

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123015\
 Data File : BF084171.D
 Acq On : 31 Dec 2015 2:44
 Operator : UM/SJ
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:41:34 PM

Quant Time: Dec 31 06:16:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 04:29:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	312183	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1299176	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	598749	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	1071327	20.00	ng	0.00
75) Chrysene-d12	14.07	240	799016	20.00	ng	0.00
86) Perylene-d12	15.51	264	589249	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1628003	83.63	ng	0.00
7) Phenol-d6	6.52	99	1856125	73.66	ng	0.00
23) Nitrobenzene-d5	7.47	82	1927955	87.69	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	445317	74.51	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2677884	73.92	ng	0.00
78) Terphenyl-d14	13.01	244	2430272	71.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	365734	39.19	ng	98
3) Pyridine	3.25	79	1041949	40.66	ng	98
4) n-Nitrosodimethylamine	3.21	42	530139	41.61	ng	94
6) Aniline	6.57	93	1421111	39.47	ng	98
8) 2-Chlorophenol	6.68	128	869190	39.23	ng	98
9) Benzaldehyde	6.44	77	585309	37.17	ng	99
10) Phenol	6.53	94	1026024	34.35	ng	97
11) bis(2-Chloroethyl)ether	6.64	93	833704	38.79	ng	99
12) 1,3-Dichlorobenzene	6.84	146	895201	39.11	ng	98
13) 1,4-Dichlorobenzene	6.92	146	934703	40.87	ng	99
14) 1,2-Dichlorobenzene	7.07	146	798914	40.06	ng	98
15) Benzyl Alcohol	7.05	79	835515	39.73	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.18	45	1527180	38.31	ng	99
17) 2-Methylphenol	7.15	107	729658	39.60	ng	98
18) Hexachloroethane	7.42	117	367126	40.70	ng	98
19) n-Nitroso-di-n-propylamine	7.32	70	663011	39.97	ng	97
20) 3+4-Methylphenols	7.31	107	932629	41.91	ng	93
22) Acetophenone	7.31	105	1148888	36.26	ng	95
24) Nitrobenzene	7.48	77	842622	37.21	ng	97
25) Isophorone	7.73	82	1768996	39.51	ng	99
26) 2-Nitrophenol	7.80	139	429996	43.67	ng	99
27) 2,4-Dimethylphenol	7.84	122	791002m	37.62	ng	
28) bis(2-Chloroethoxy)methane	7.94	93	1031535	38.01	ng	98
29) 2,4-Dichlorophenol	8.04	162	732400	40.91	ng	100
30) 1,2,4-Trichlorobenzene	8.13	180	781121	41.16	ng	99
31) Naphthalene	8.21	128	2463882	41.52	ng	99
32) Benzoic acid	7.95	122	639369m	40.91	ng	
33) 4-Chloroaniline	8.26	127	1153206	42.55	ng	99
34) Hexachlorobutadiene	8.34	225	426210	39.40	ng	98
35) Caprolactam	8.64	113	255695	41.22	ng	# 80
36) 4-Chloro-3-methylphenol	8.74	107	823937	40.16	ng	96
37) 2-Methylnaphthalene	8.90	142	1505623	35.82	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	732442	43.11	ng	99
40) Hexachlorocyclopentadiene	9.06	237	455058	42.26	ng	99

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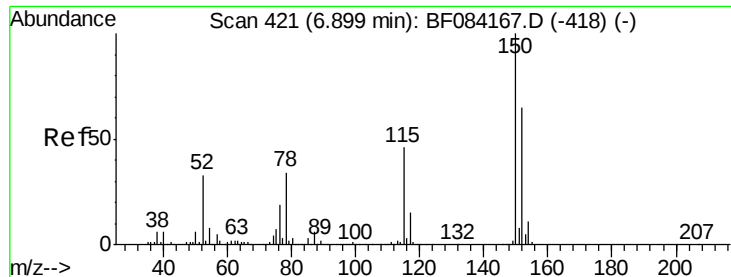
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	475616	37.80	nq	100
43) 2,4,5-Trichlorophenol	9.21	196	475694	37.93	nq	98
45) 1,1'-Biphenyl	9.37	154	1918066	40.53	nq	99
46) 2-Chloronaphthalene	9.39	162	1410777	38.48	nq	98
47) 2-Nitroaniline	9.48	65	508896	44.53	nq	96
48) Acenaphthylene	9.80	152	2228554	36.25	nq	100
49) Dimethylphthalate	9.68	163	1730258	40.23	nq	100
50) 2,6-Dinitrotoluene	9.72	165	366261	37.72	nq	# 23
51) Acenaphthene	9.97	154	1526924	39.34	nq	100
52) 3-Nitroaniline	9.89	138	443265	41.27	nq	100
53) 2,4-Dinitrophenol	10.00	184	184231	55.10	nq	90
54) Dibenzofuran	10.14	168	2003483	37.47	nq	# 89
55) 4-Nitrophenol	10.04	139	390303	47.12	nq	97
56) 2,4-Dinitrotoluene	10.12	165	489901	40.14	nq	# 26
57) Fluorene	10.49	166	1439857	36.94	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	410259	37.57	nq	98
59) Diethylphthalate	10.37	149	1768111	43.78	nq	99
60) 4-Chlorophenyl-phenylether	10.49	204	731201	44.06	nq	97
61) 4-Nitroaniline	10.50	138	436126	43.47	nq	88
62) Azobenzene	10.65	77	1996779	42.37	nq	98
64) 4,6-Dinitro-2-methylphenol	10.53	198	260157	55.98	nq	86
65) n-Nitrosodiphenylamine	10.60	169	1298694	38.24	nq	99
66) 4-Bromophenyl-phenylether	10.98	248	501625	43.63	nq	94
67) Hexachlorobenzene	11.04	284	473634	37.96	nq	96
68) Atrazine	11.13	200	406552	36.26	nq	99
69) Pentachlorophenol	11.23	266	330922	43.52	nq	97
70) Phenanthrene	11.45	178	2246354	37.15	nq	99
71) Anthracene	11.50	178	2365158	42.68	nq	100
72) Carbazole	11.65	167	1954319	37.06	nq	99
73) Di-n-butylphthalate	12.00	149	2600022	44.24	nq	99
74) Fluoranthene	12.64	202	2200064	41.99	nq	99
76) Benzidine	12.76	184	1221784	39.10	nq	99
77) Pyrene	12.87	202	2252768	37.29	nq	100
79) Butylbenzylphthalate	13.49	149	1115336	42.45	nq	92
80) Benzo(a)anthracene	14.05	228	1875351	40.66	nq	100
81) 3,3'-Dichlorobenzidine	14.02	252	712390	40.92	nq	99
82) Chrysene	14.09	228	1456612	34.27	nq	99
83) Bis(2-ethylhexyl)phthalate	14.05	149	1263353	39.44	nq	100
84) Di-n-octyl phthalate	14.67	149	2063242	39.93	nq	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	1369172	38.75	nq	99
87) Benzo(b)fluoranthene	15.08	252	1700575m	44.26	nq	
88) Benzo(k)fluoranthene	15.12	252	1099150m	34.29	nq	
89) Benzo(a)pyrene	15.44	252	1319945	39.97	nq	100
90) Dibenzo(a,h)anthracene	16.95	278	1119064	41.57	nq	99
91) Benzo(g,h,i)perylene	17.35	276	1136229	40.80	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

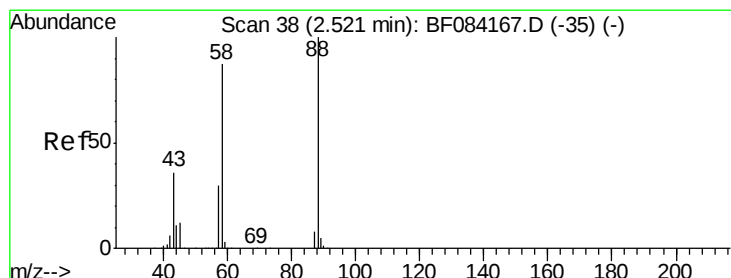
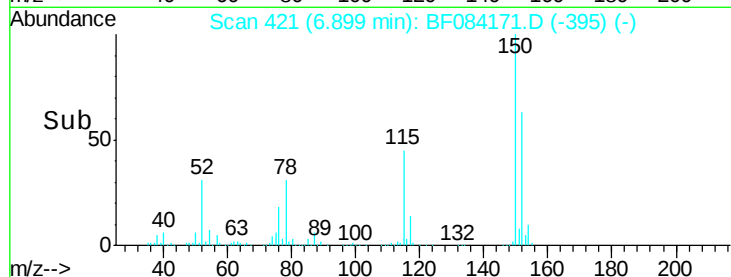
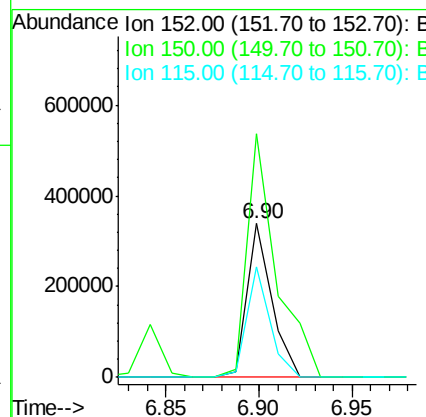
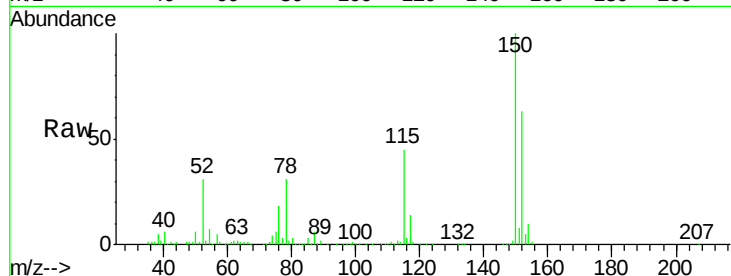
ClientSampleId :

ICVBF123015

Tot Ion:	152	Resp:	312183
Ion Ratio	Lower	Upper	
152	100		
150	158.6	123.8	185.8
115	72.1	57.1	85.7

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#2

1,4-Dioxane

Concen: 39.19 ng

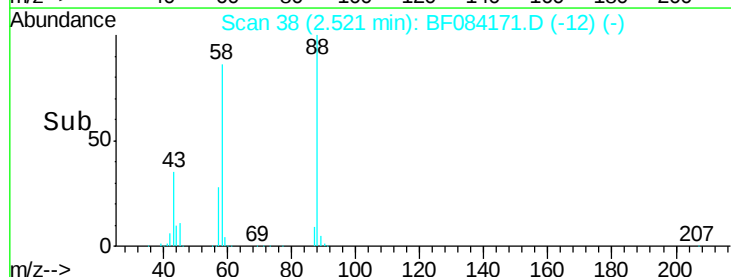
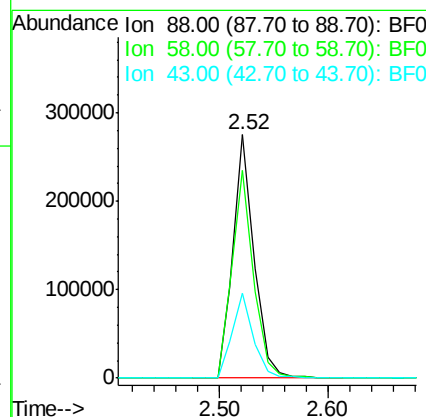
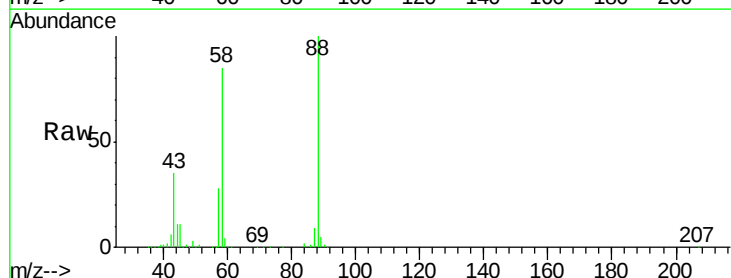
RT: 2.52 min Scan# 38

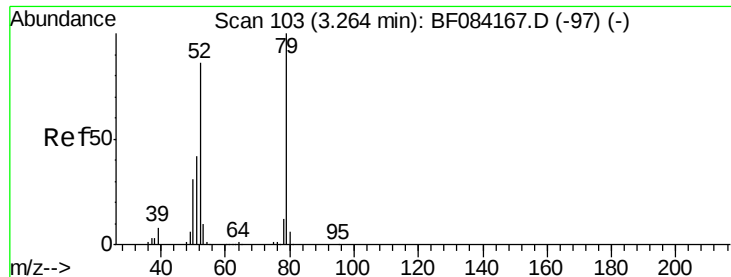
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	88	Resp:	365734
Ion Ratio	Lower	Upper	
88	100		
58	87.0	67.8	101.6
43	34.8	27.8	41.8





#3

Pvridine

Concen: 40.66 ng

RT: 3.25 min Scan# 102

Delta R.T. -0.01 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion: 79 Resp: 1041949

Ion Ratio Lower Upper

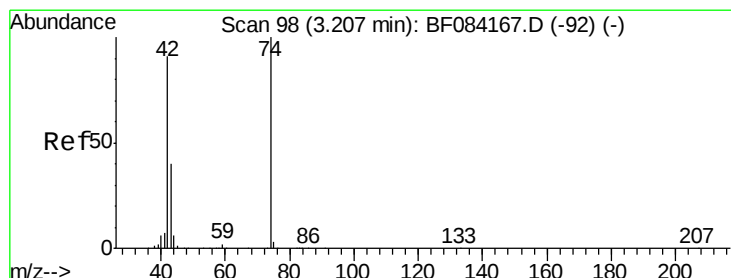
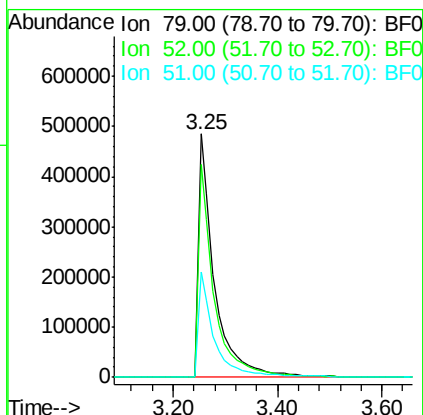
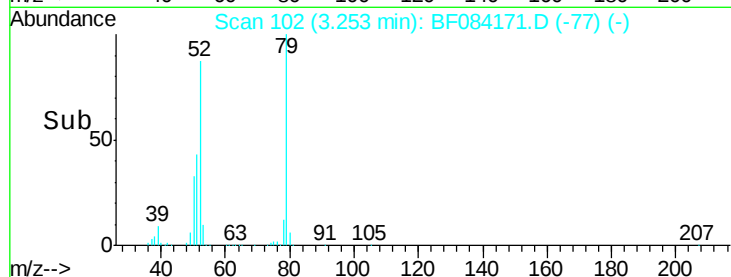
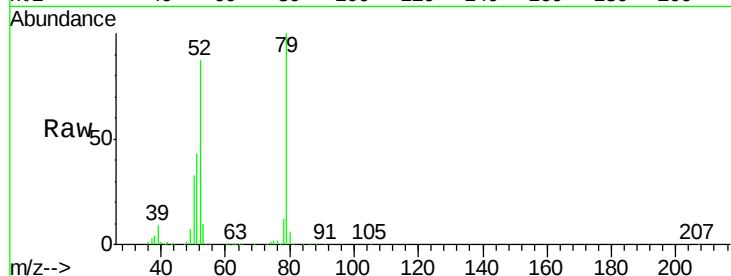
79 100

52 87.5 68.5 102.7

51 43.4 33.7 50.5

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 41.61 ng

RT: 3.21 min Scan# 98

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

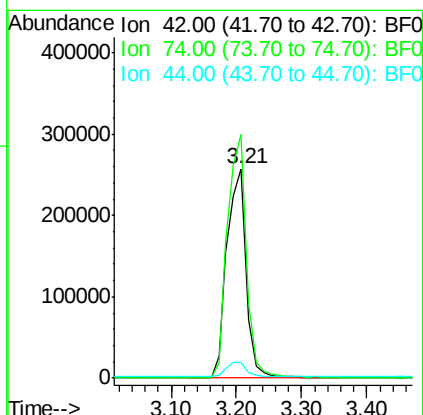
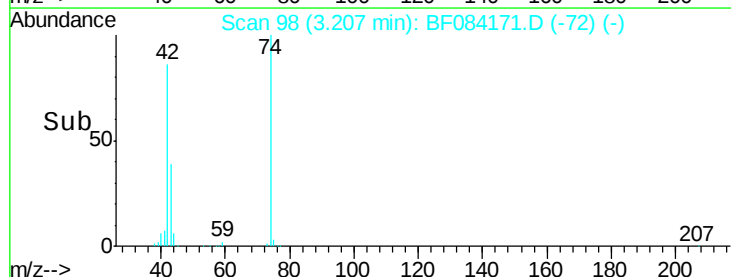
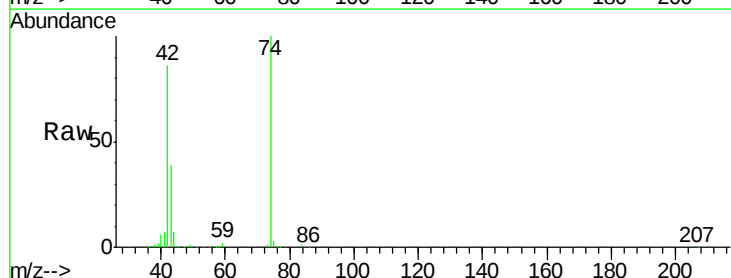
Tgt Ion: 42 Resp: 530139

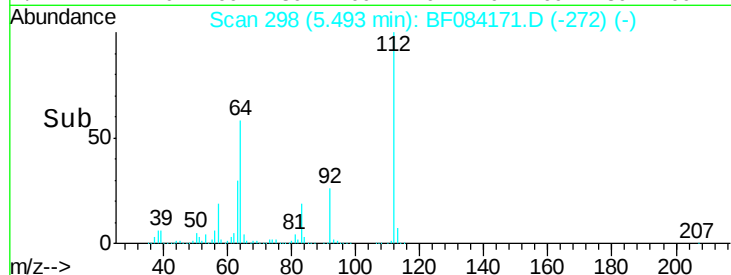
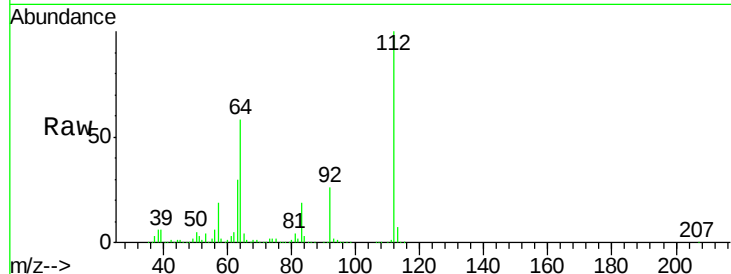
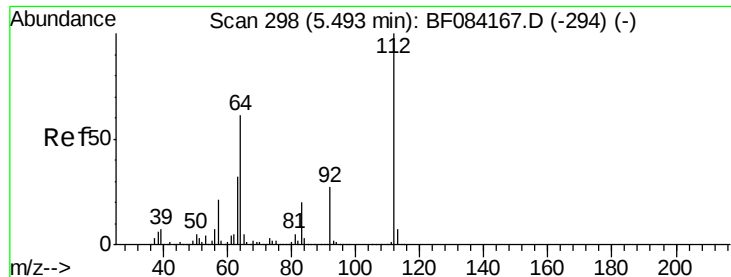
Ion Ratio Lower Upper

42 100

74 116.2 87.8 131.8

44 7.6 6.3 9.5





#5

2-Fluorophenol

Concen: 83.63 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084171.D

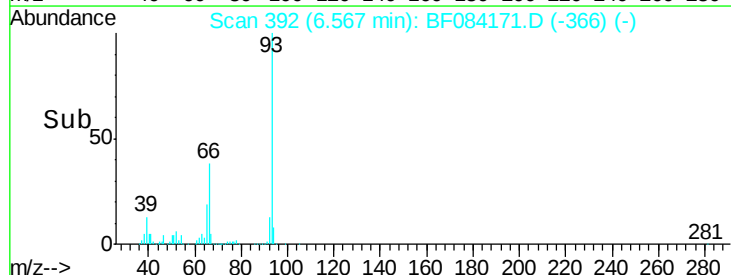
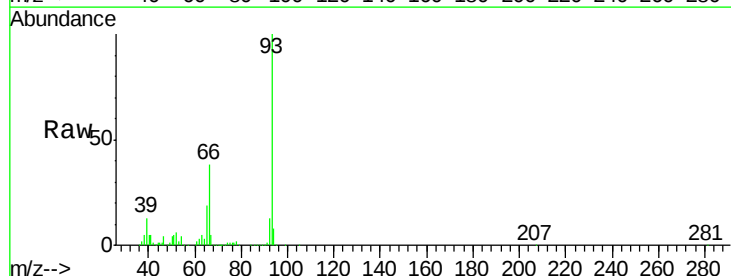
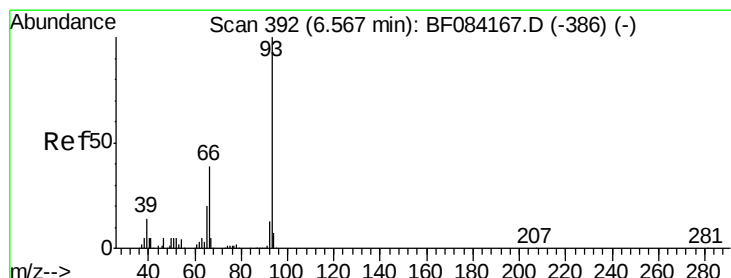
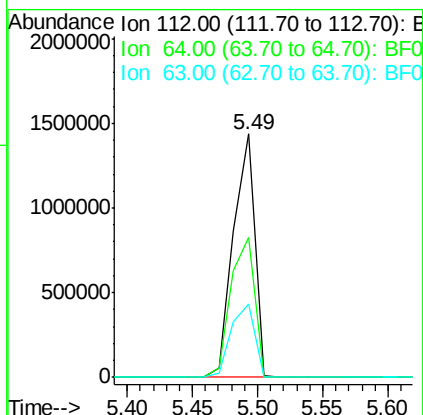
Acq: 31 Dec 2015 2:44

Tot Ion:	112	Resp:	1628003
Ion	Ratio	Lower	Upper
112	100		
64	57.5	48.7	73.1
63	30.1	25.9	38.9

Instrument :
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#6

Aniline

Concen: 39.47 ng

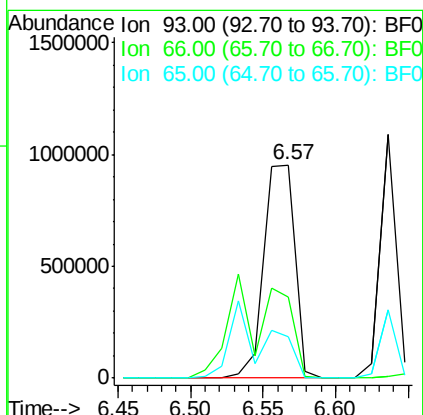
RT: 6.57 min Scan# 392

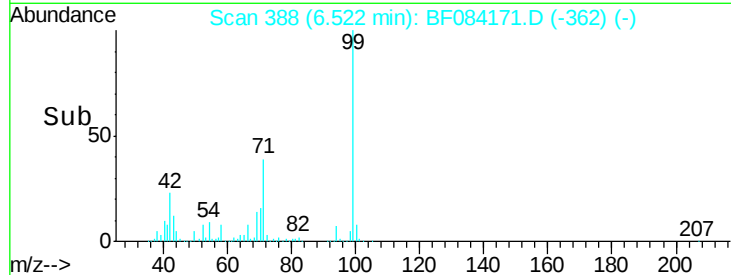
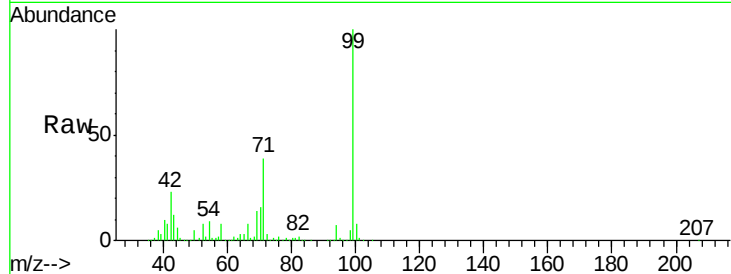
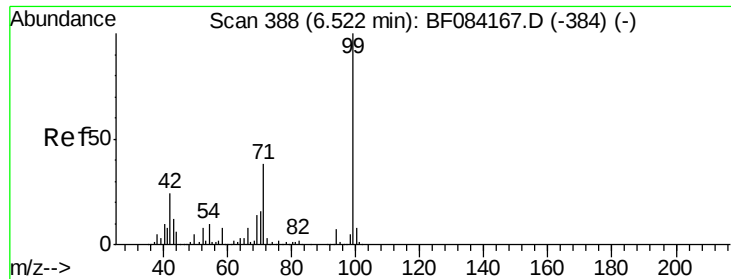
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	93	Resp:	1421111
Ion	Ratio	Lower	Upper
93	100		
66	37.8	31.2	46.8
65	19.5	16.2	24.4





#7

Phenol-d6

Concen: 73.66 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tot Ion: 99 Resp: 1856125

Ion Ratio Lower Upper

99 100

42 23.5 19.2 28.8

71 38.7 30.4 45.6

Instrument :

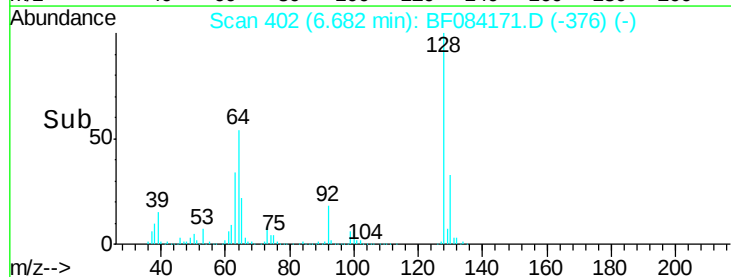
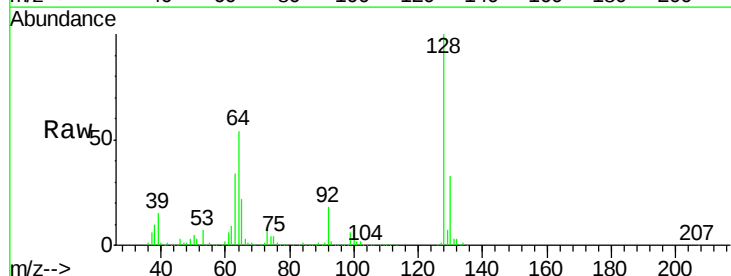
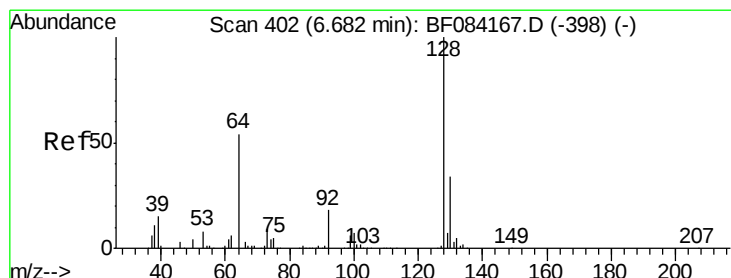
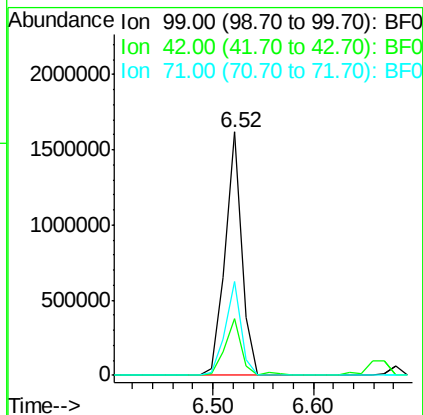
BNA_F

ClientSampleId :

ICVBF123015

Manual Integrations
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#8

2-Chlorophenol

Concen: 39.23 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

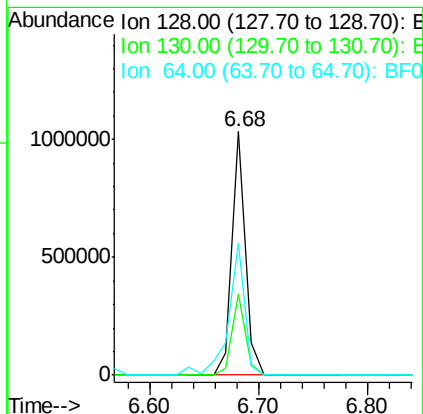
Tgt Ion: 128 Resp: 869190

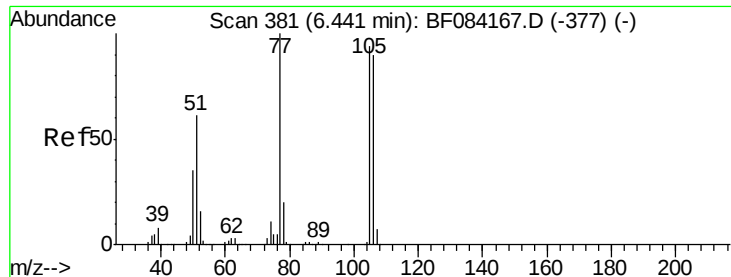
Ion Ratio Lower Upper

128 100

130 33.4 13.5 53.5

64 54.1 36.9 76.9





#9

Benzaldehyde

Concen: 37.17 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

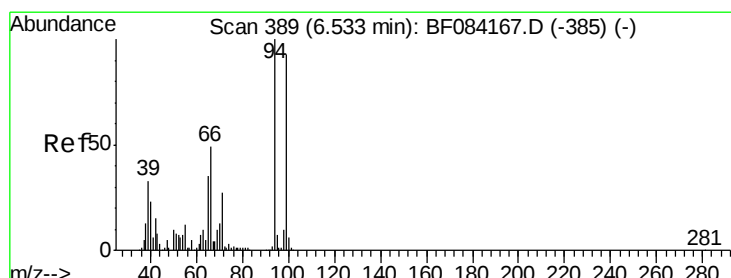
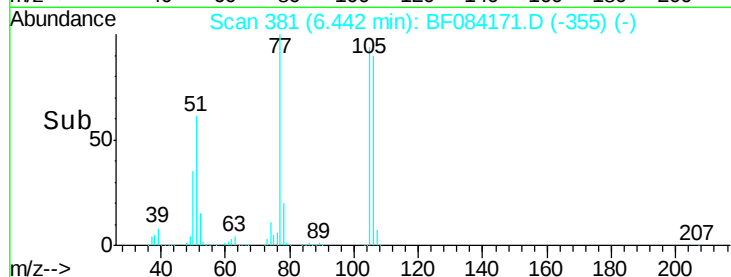
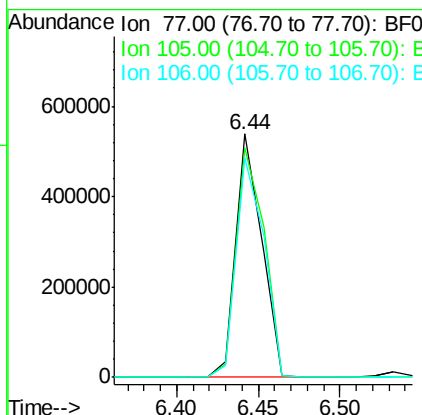
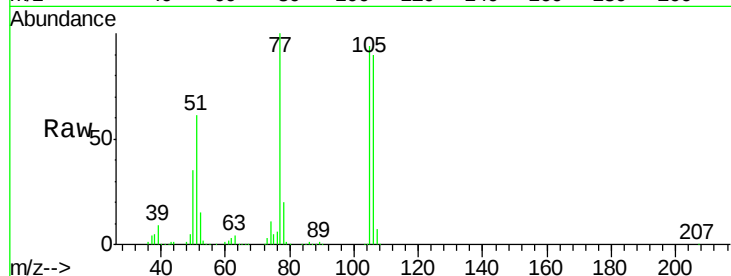
ClientSampleId :

ICVBF123015

Tot Ion:	77	Resp:	585309
Ion Ratio	Lower	Upper	
77	100		
105	94.1	73.7	113.7
106	90.1	69.5	109.5

Manual Integrations
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#10

Phenol

Concen: 34.35 ng

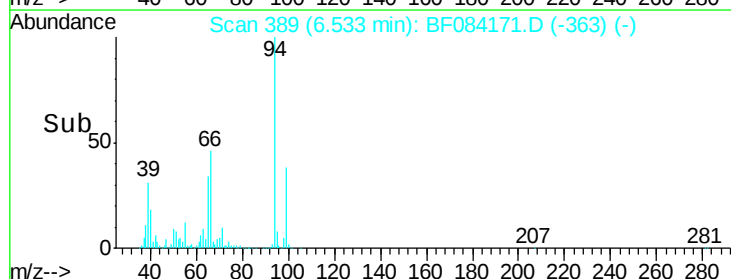
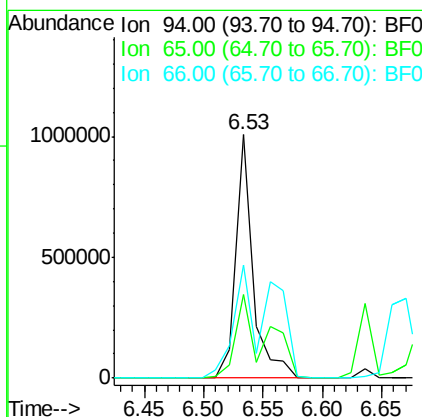
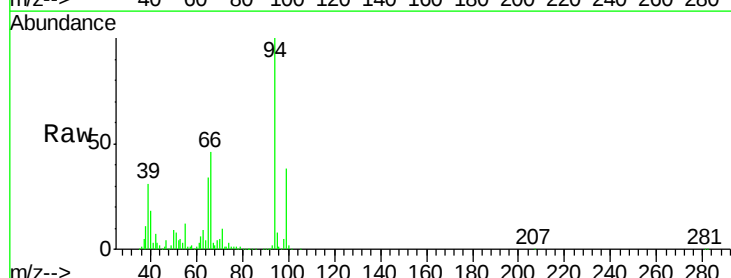
RT: 6.53 min Scan# 389

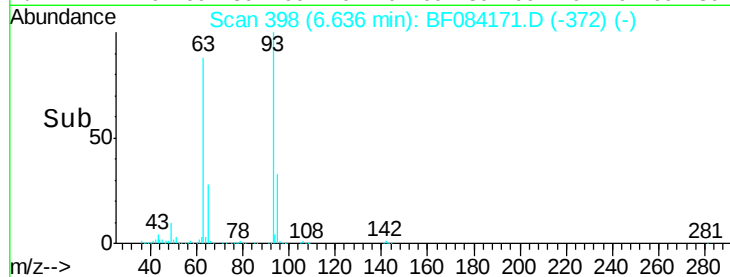
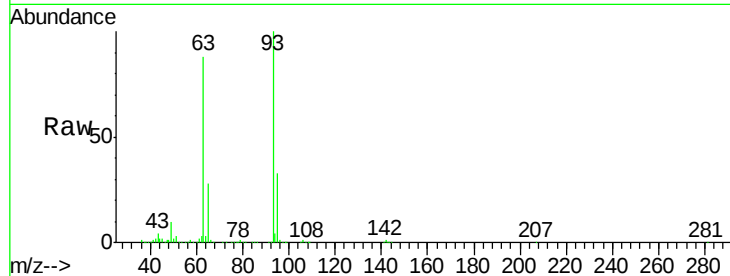
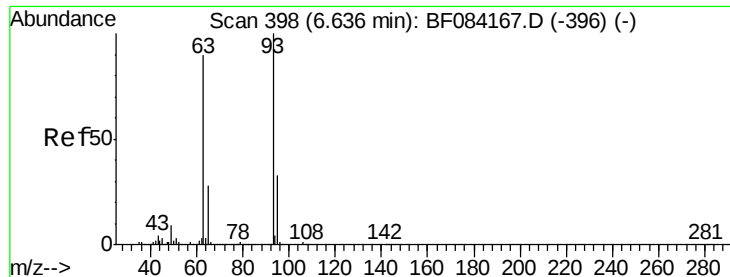
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	94	Resp:	1026024
Ion Ratio	Lower	Upper	
94	100		
65	34.3	15.2	55.2
66	46.4	29.0	69.0





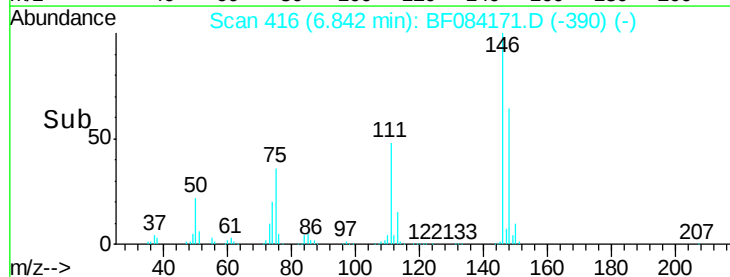
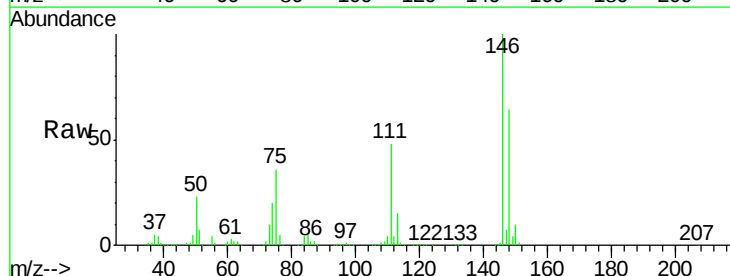
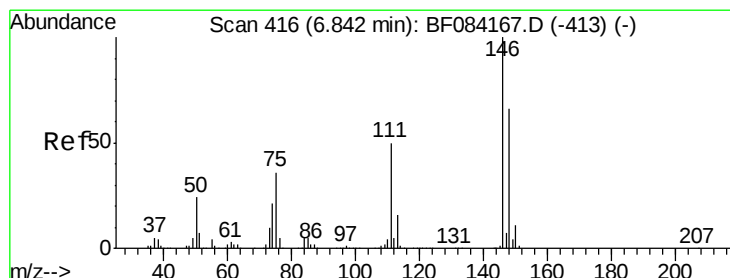
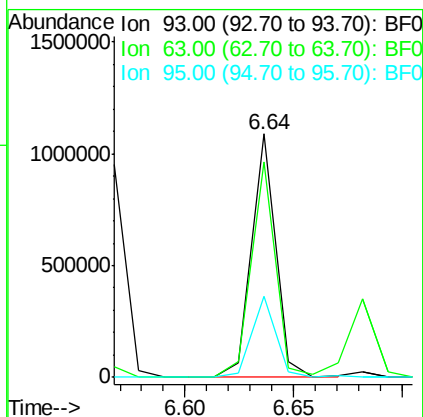
#11
bis(2-Chloroethyl)ether
Concen: 38.79 ng
RT: 6.64 min Scan# 398
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tot Ion:	93	Resp:	833704
Ion Ratio	Lower	Upper	
93	100		
63	88.3	69.5	109.5
95	33.2	13.5	53.5

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

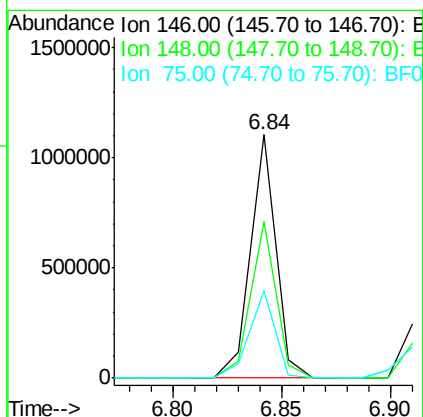
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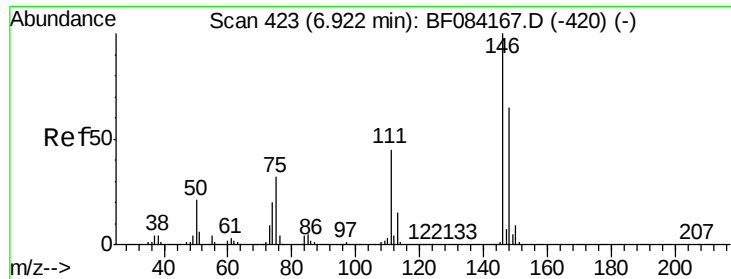
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#12
1,3-Dichlorobenzene
Concen: 39.11 ng
RT: 6.84 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion:	146	Resp:	895201
Ion Ratio	Lower	Upper	
146	100		
148	64.1	52.6	79.0
75	35.8	29.2	43.8





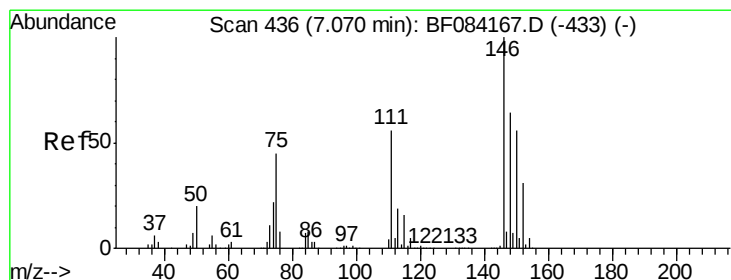
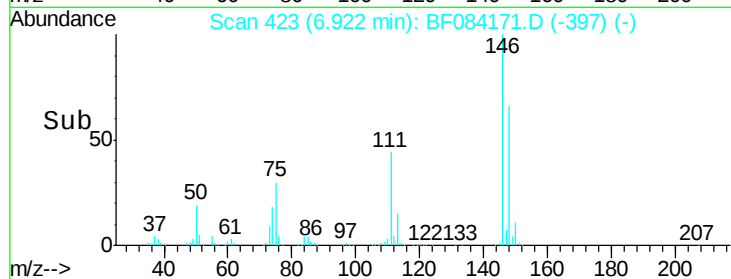
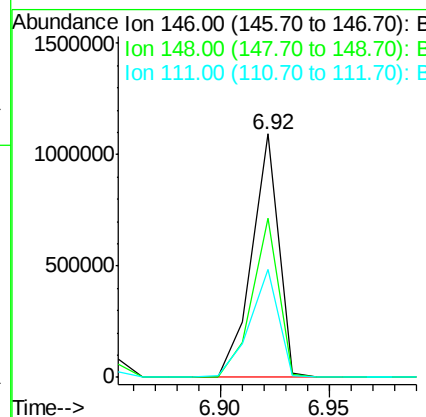
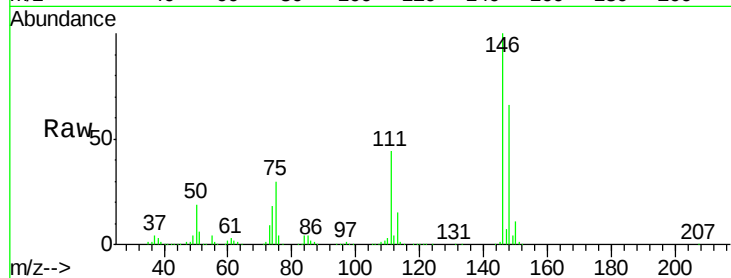
#13
 1,4-Dichlorobenzene
 Concen: 40.87 ng
 RT: 6.92 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		934703		
148	65.6	52.2	78.2		
111	44.2	36.2	54.2		

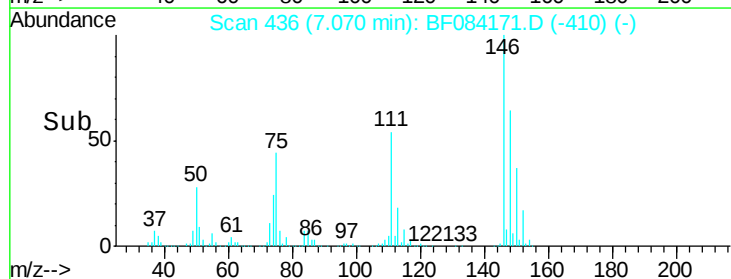
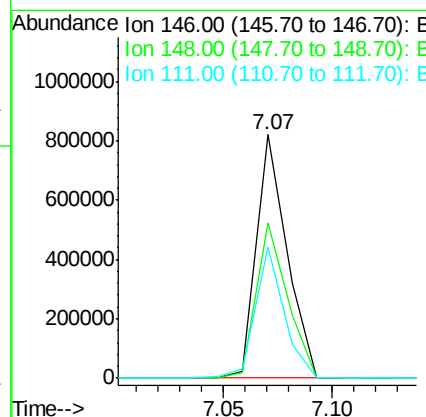
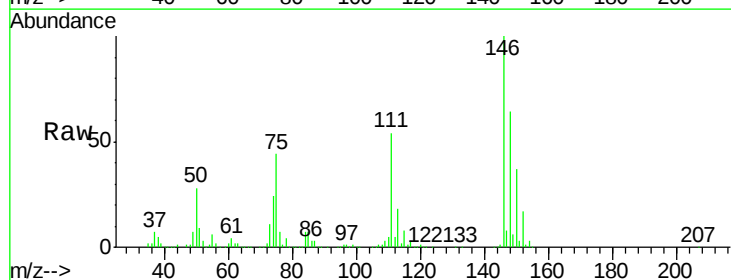
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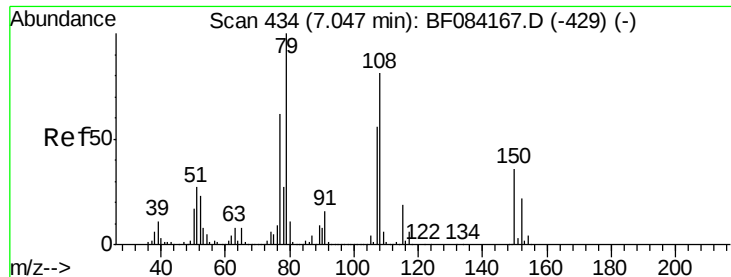
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#14
 1,2-Dichlorobenzene
 Concen: 40.06 ng
 RT: 7.07 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		798914		
148	63.7	51.3	76.9		
111	54.0	45.0	67.4		





#15

Benzyl Alcohol

Concen: 39.73 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

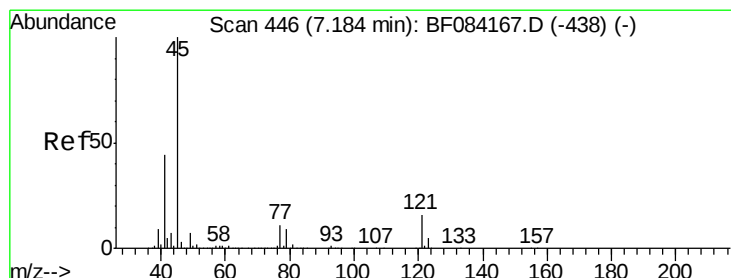
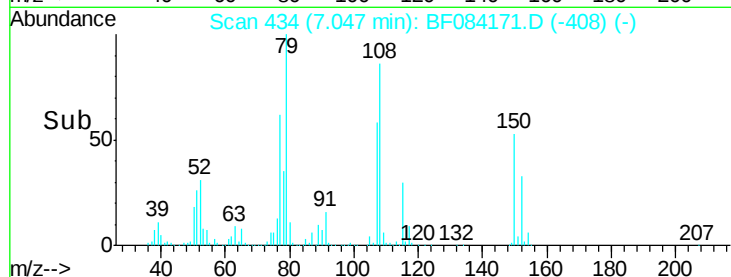
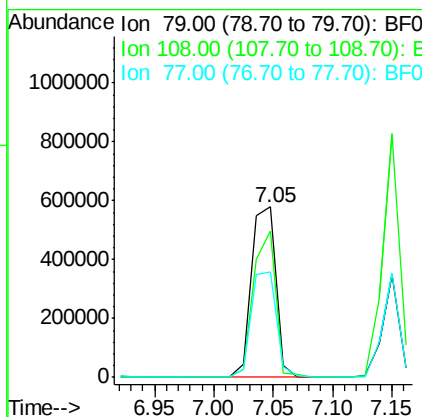
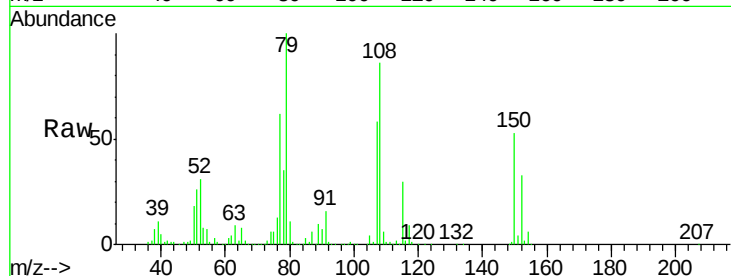
ClientSampleId :

ICVBF123015

Tot Ion:	79	Resp:	835515
Ion Ratio	Lower	Upper	
79	100		
108	85.8	65.1	97.7
77	62.3	49.8	74.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.31 ng

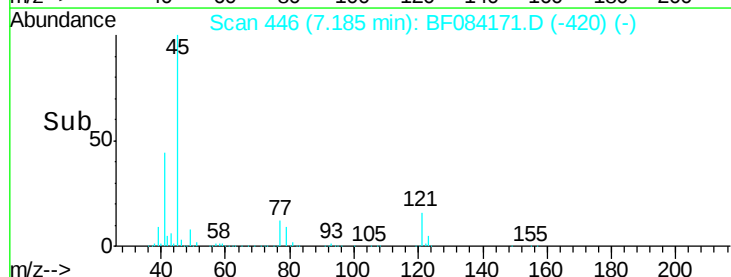
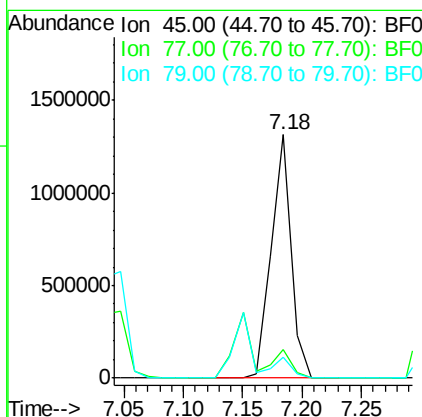
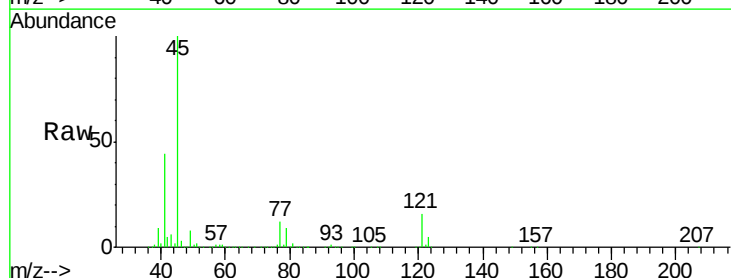
RT: 7.18 min Scan# 446

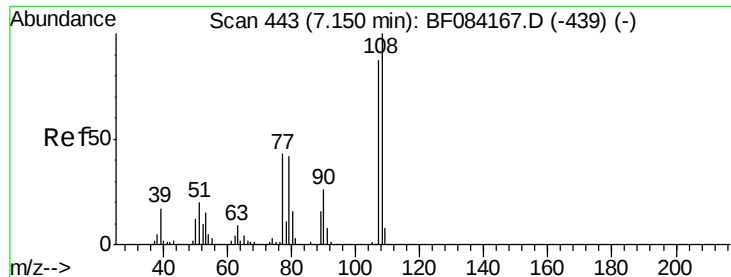
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	45	Resp:	1527180
Ion Ratio	Lower	Upper	
45	100		
77	11.7	0.0	31.2
79	8.6	0.0	28.8





#17

2-Methylphenol

Concen: 39.60 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

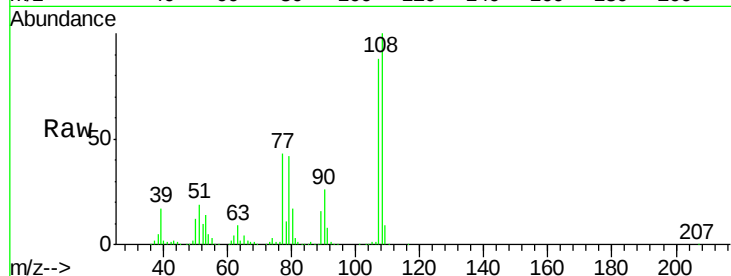
ClientSampleId :

ICVBF123015

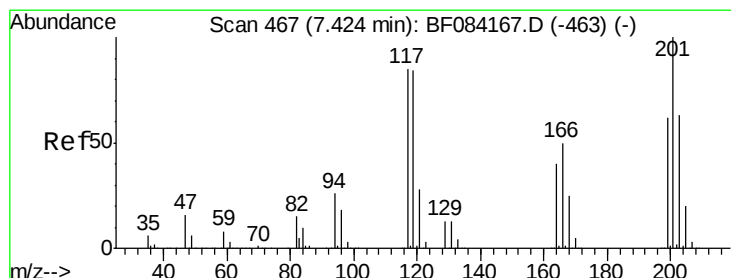
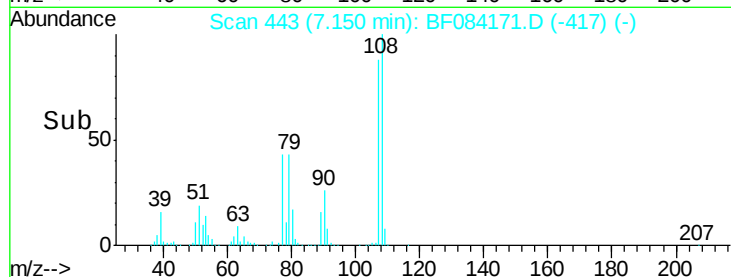
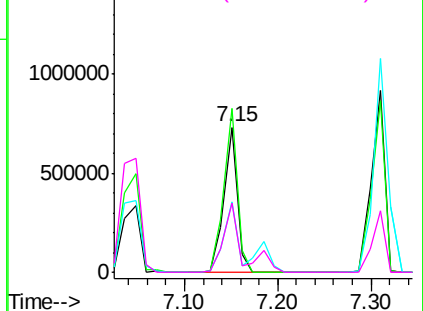
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.0	92.2	138.2	
77	48.4	39.6	59.4	
79	48.0	38.9	58.3	

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 40.70 ng

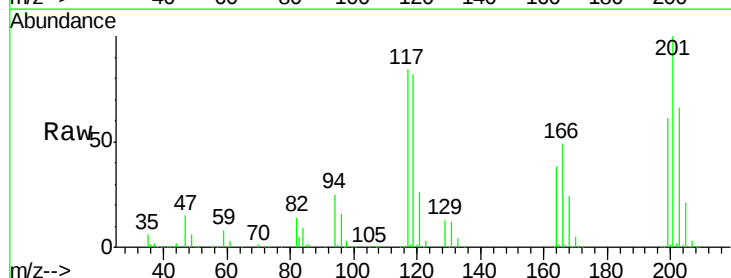
RT: 7.42 min Scan# 467

Delta R.T. 0.00 min

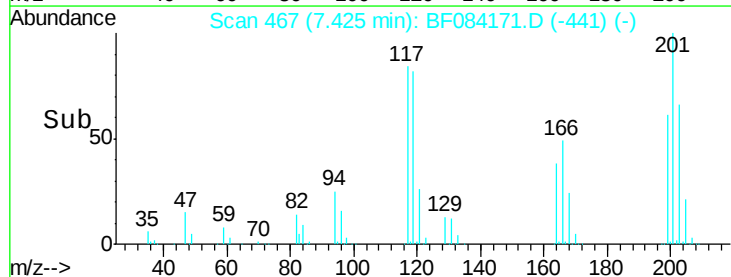
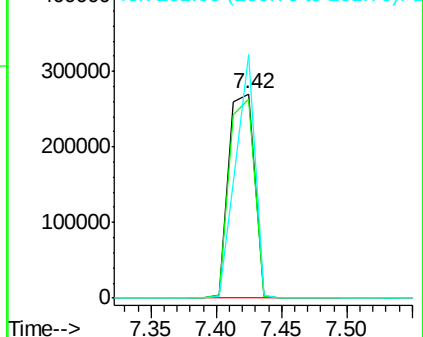
Lab File: BF084171.D

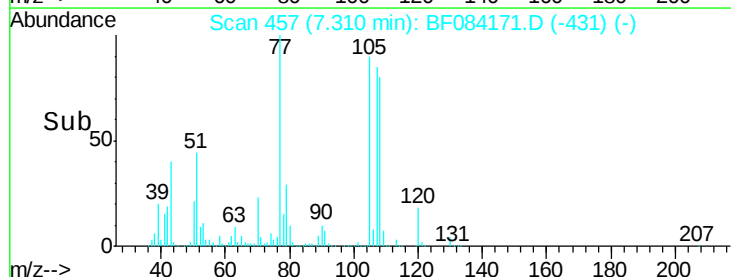
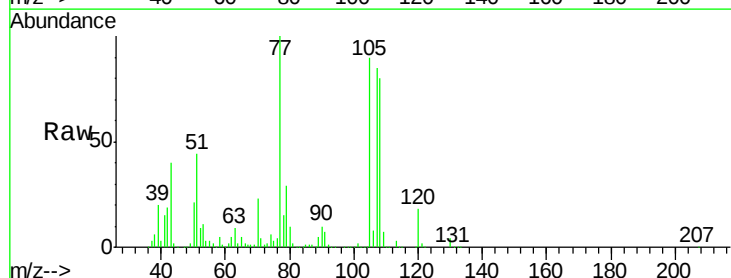
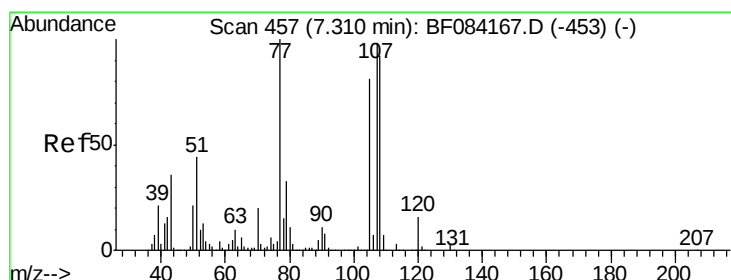
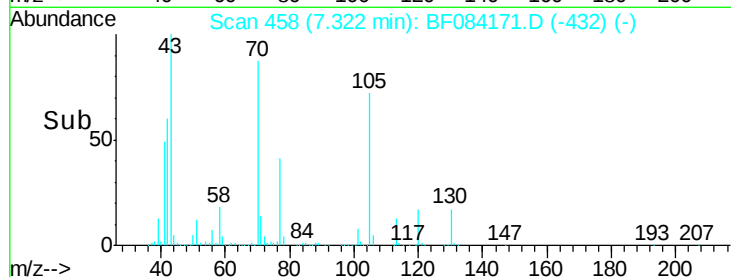
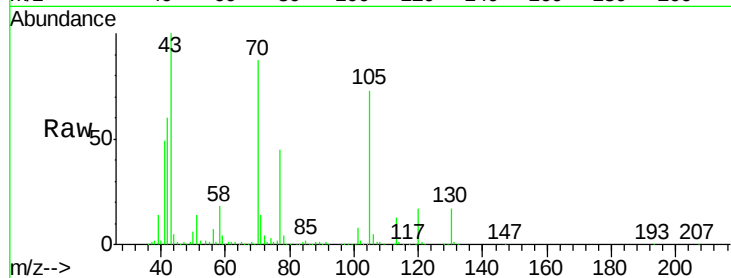
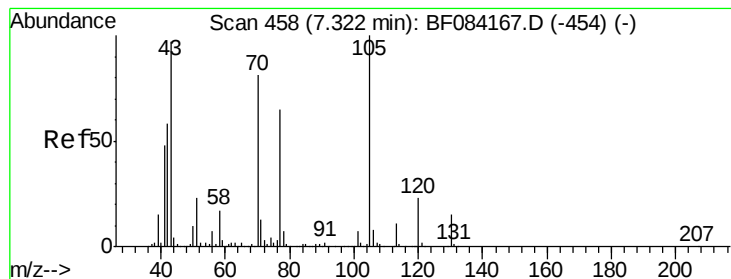
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.4	79.2	118.8	
201	119.4	93.9	140.9	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 39.97 ng

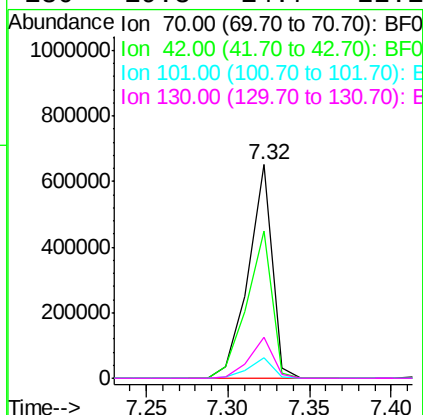
RT: 7.32 min Scan# 458

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	69.0		57.4	86.0	
101	9.4		7.3	10.9	
130	19.3		14.7	22.1	



Instrument :

BNA_F

ClientSampleId :

ICVBF123015

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#20

3+4-Methylphenols

Concen: 41.91 ng

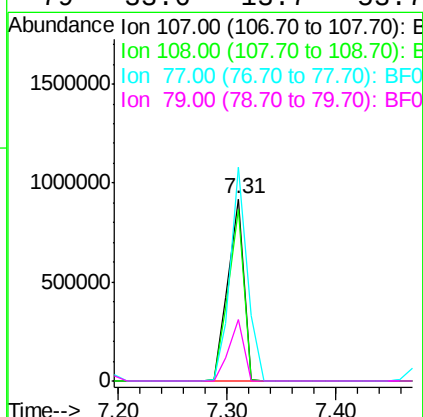
RT: 7.31 min Scan# 457

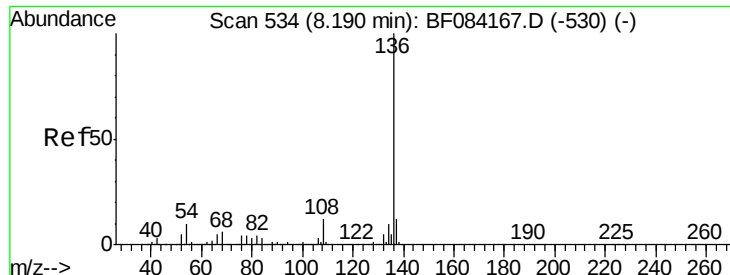
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	94.2		74.5	114.5	
77	117.2		82.4	122.4	
79	33.6		13.7	53.7	





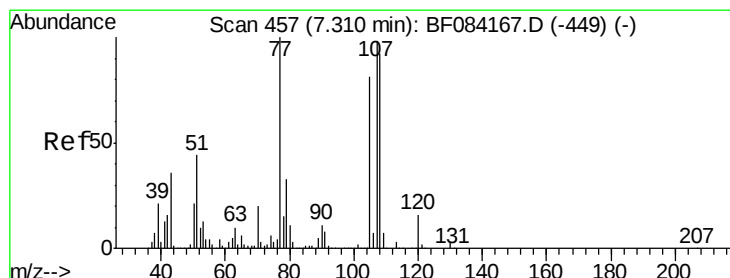
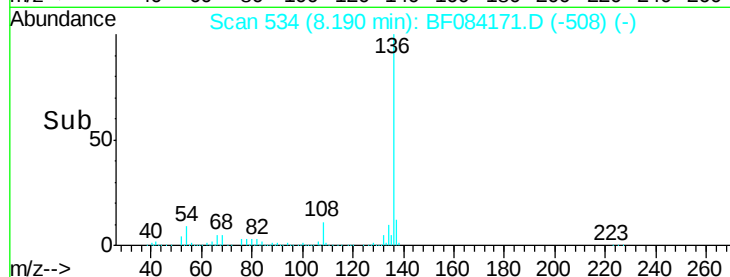
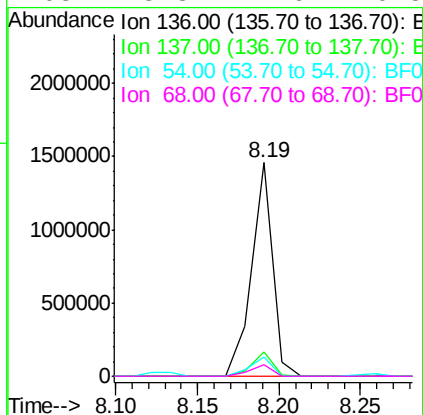
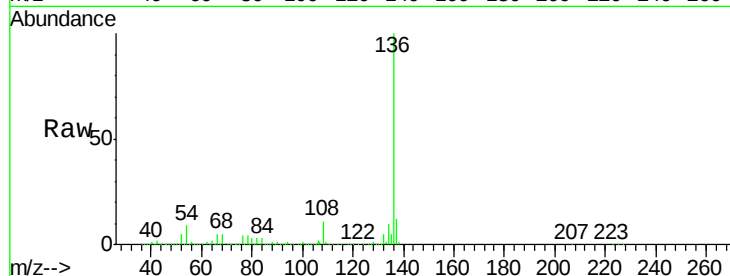
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	136	Resp	1299176
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	9.1	7.6	11.4
68	5.3	4.6	6.8

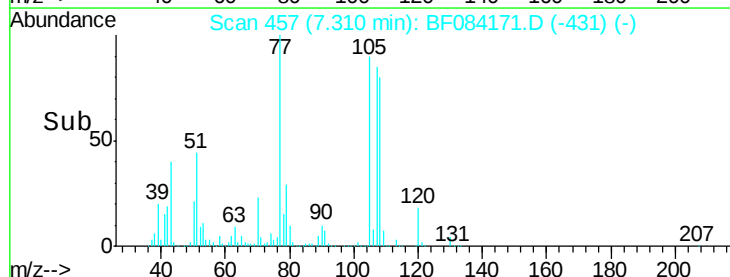
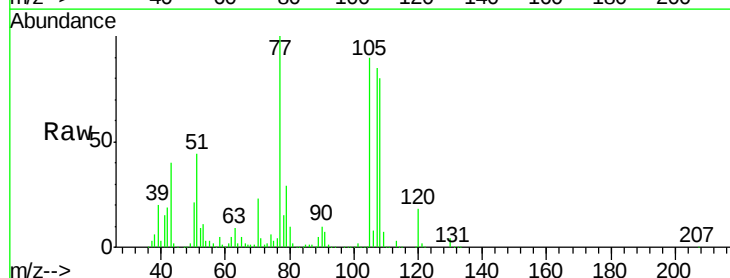
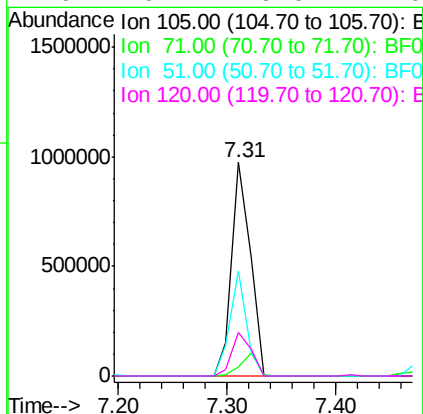
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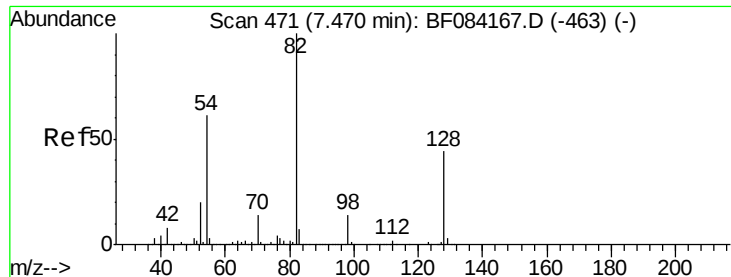
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#22
Acetophenone
Concen: 36.26 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	105	Resp	1148888
Ion	Ratio	Lower	Upper
105	100		
71	4.3	3.2	4.8
51	49.1	43.2	64.8
120	20.1	16.0	24.0





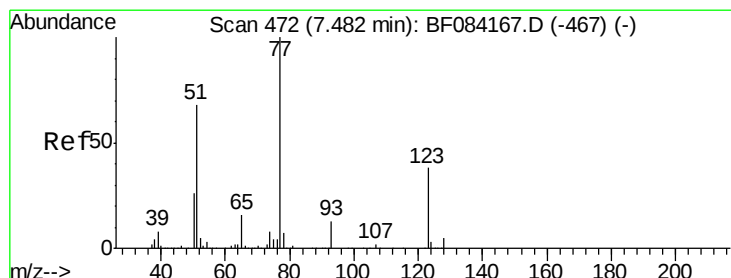
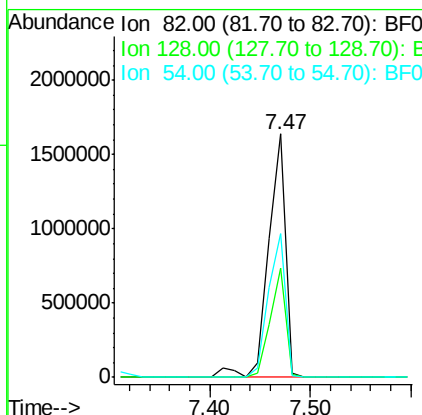
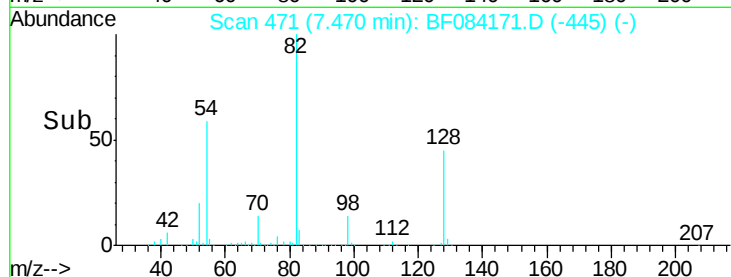
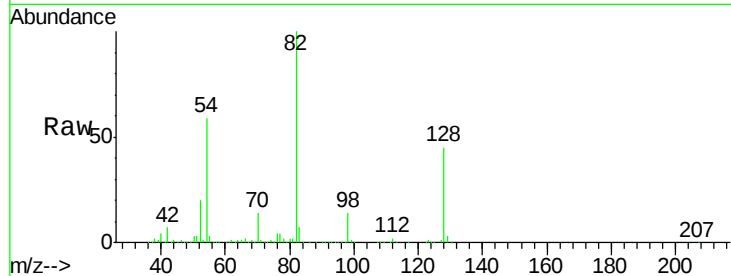
#23
Nitrobenzene-d5
Concen: 87.69 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.0	52.4
54	59.1	48.5	72.7

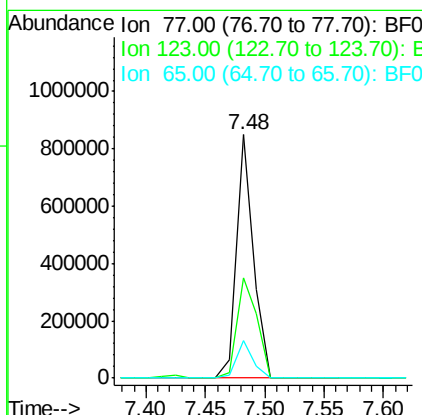
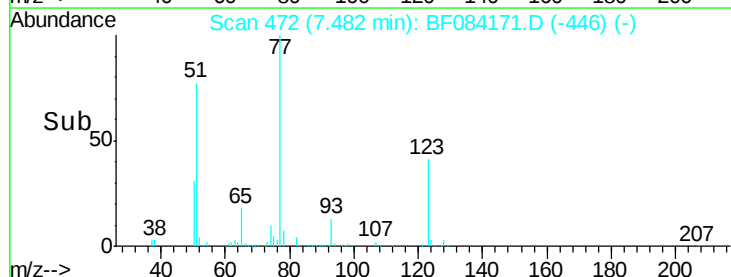
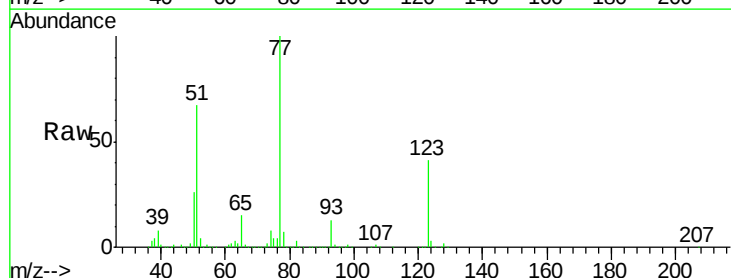
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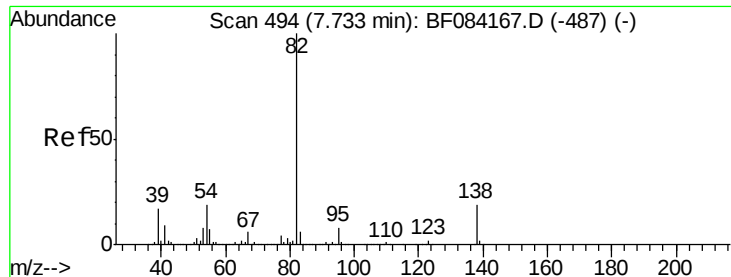
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#24
Nitrobenzene
Concen: 37.21 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.0	31.3	46.9
65	15.2	12.6	19.0





#25

Isophorone

Concen: 39.51 ng

RT: 7.73 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion: 82 Resp: 1768996

Ion Ratio Lower Upper

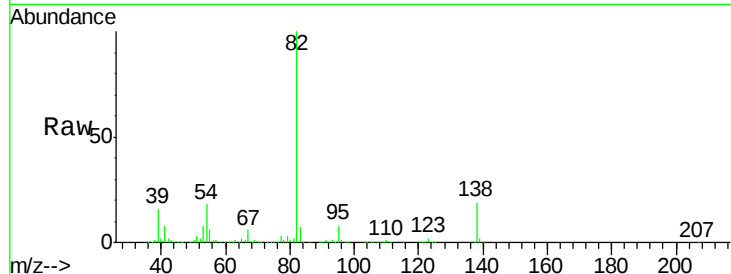
82 100

95 7.8 6.5 9.7

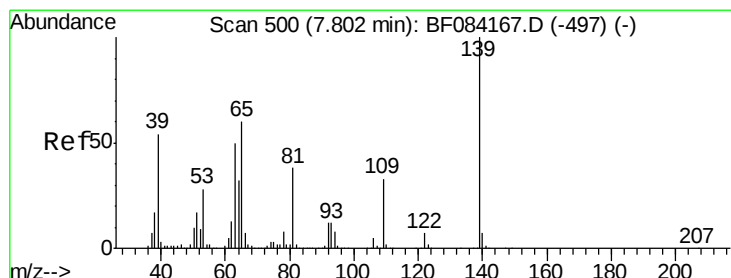
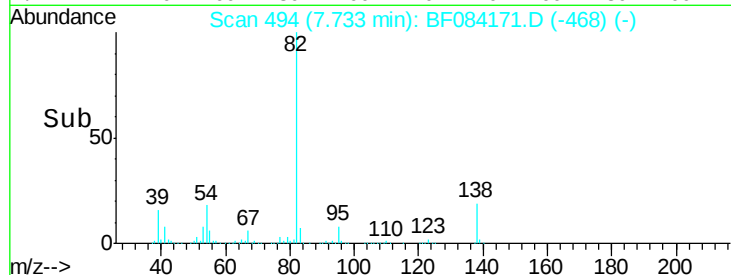
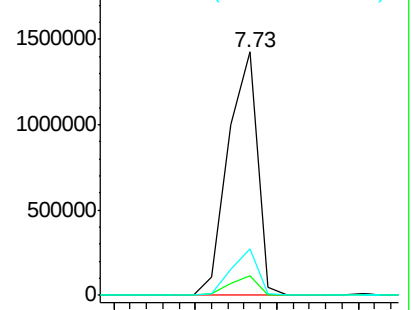
138 19.3 15.1 22.7

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 43.67 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

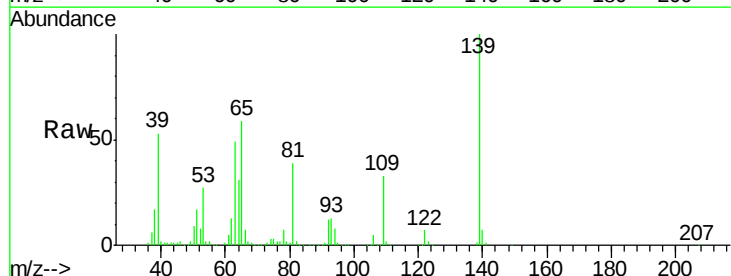
Tgt Ion: 139 Resp: 429996

Ion Ratio Lower Upper

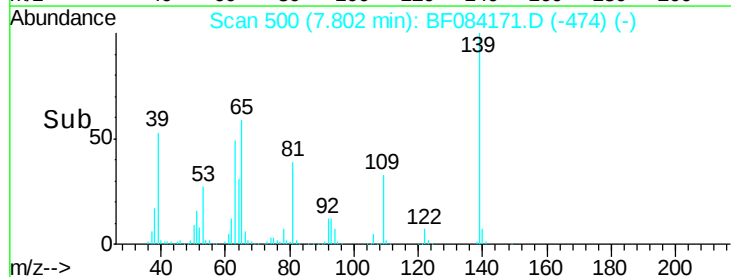
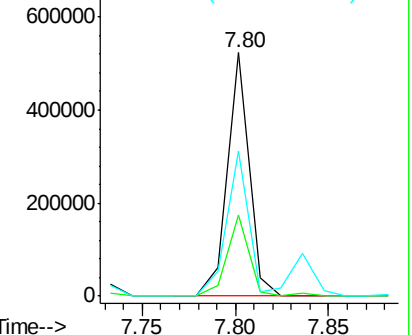
139 100

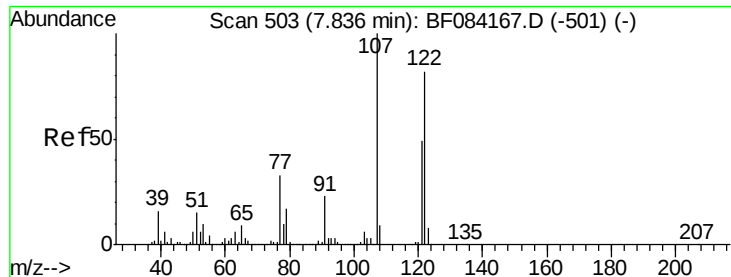
109 33.1 26.2 39.4

65 59.5 48.2 72.4



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 37.62 ng/ml

RT: 7.84 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

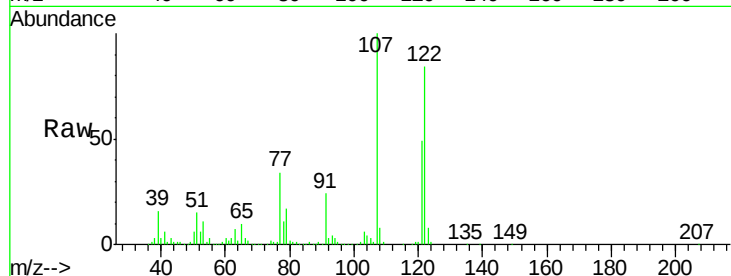
ClientSampleId :

ICVBF123015

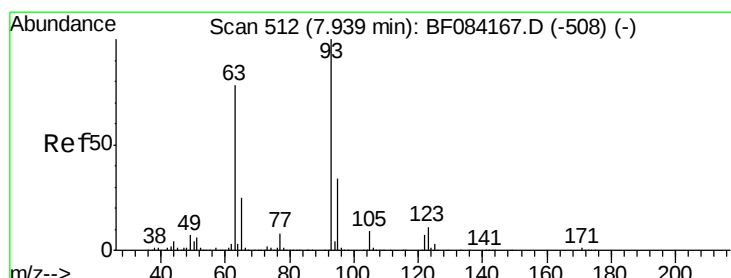
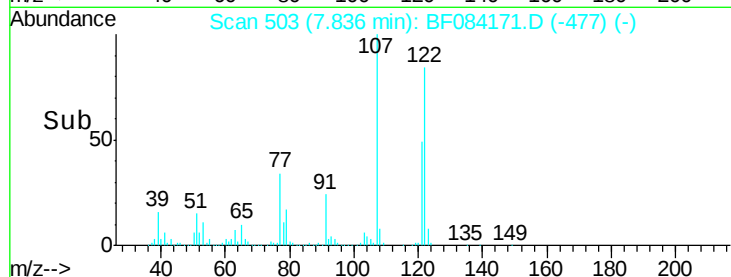
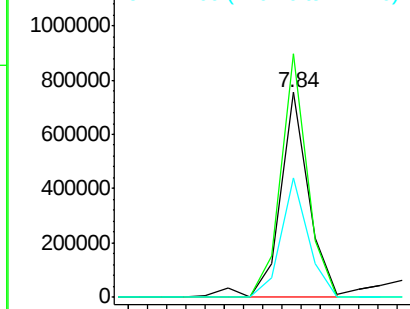
Tot Ion:	122	Resp:	791002
Ion Ratio	Lower	Upper	
122	100		
107	118.7	96.8	145.2
121	58.2	47.0	70.6

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.01 ng/ml

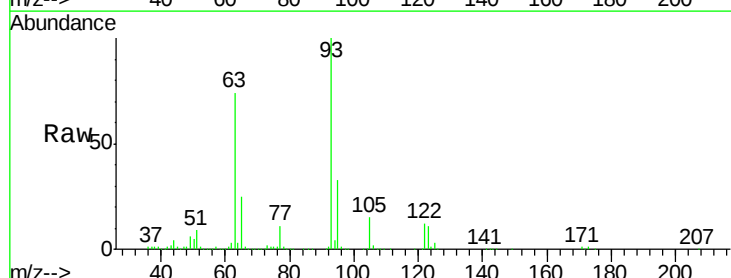
RT: 7.94 min Scan# 512

Delta R.T. 0.00 min

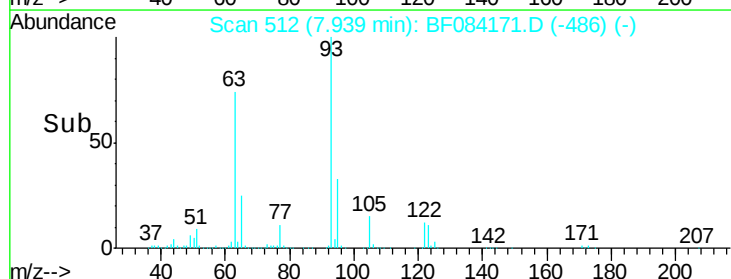
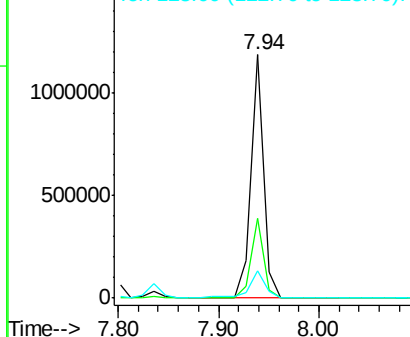
Lab File: BF084171.D

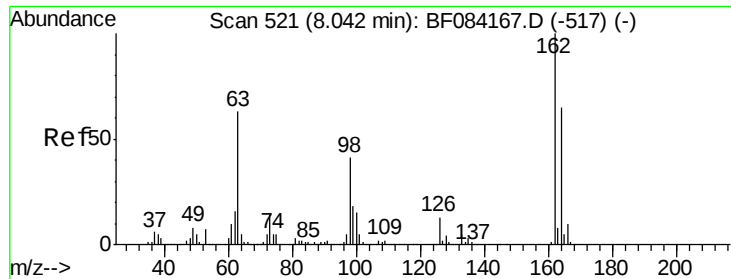
Acq: 31 Dec 2015 2:44

Tgt Ion:	93	Resp:	1031535
Ion Ratio	Lower	Upper	
93	100		
95	32.7	27.1	40.7
123	11.3	8.8	13.2



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 40.91 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

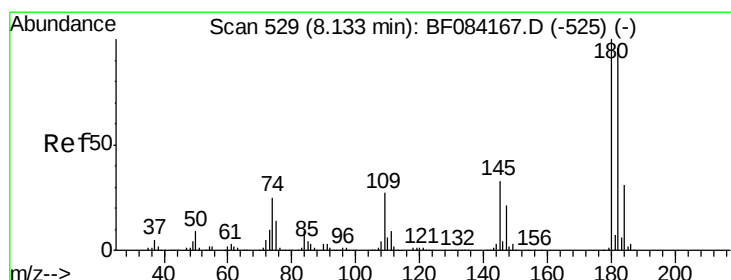
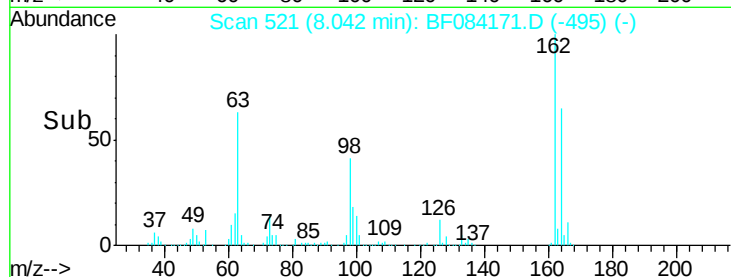
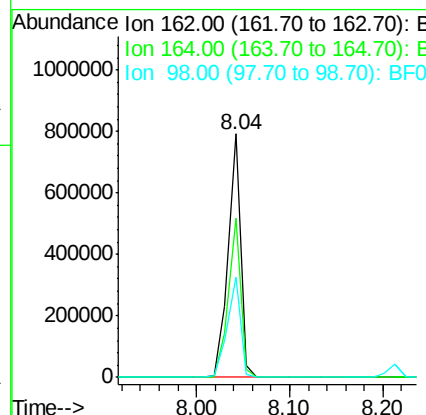
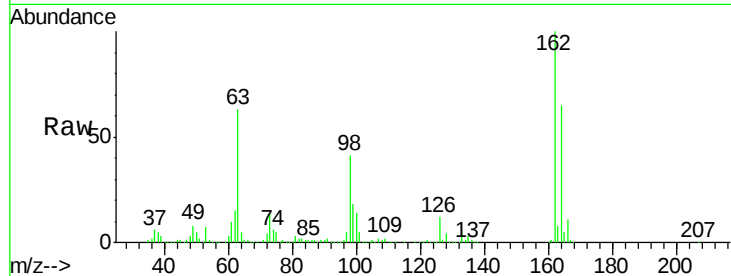
ClientSampleId :

ICVBF123015

Tot Ion:	162	Resp:	732400
Ion Ratio	Lower	Upper	
162	100		
164	65.4	45.2	85.2
98	41.4	21.4	61.4

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 41.16 ng

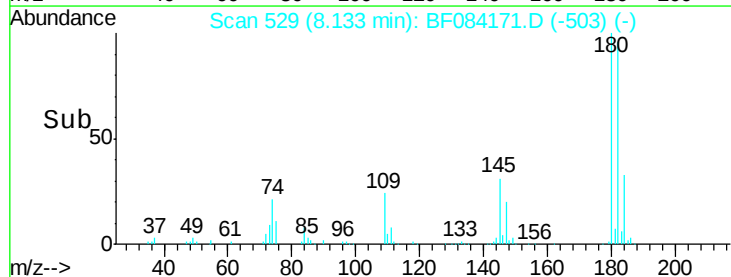
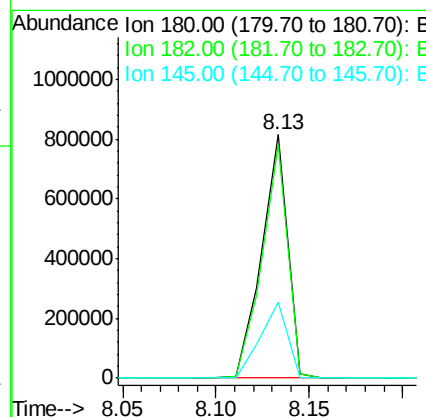
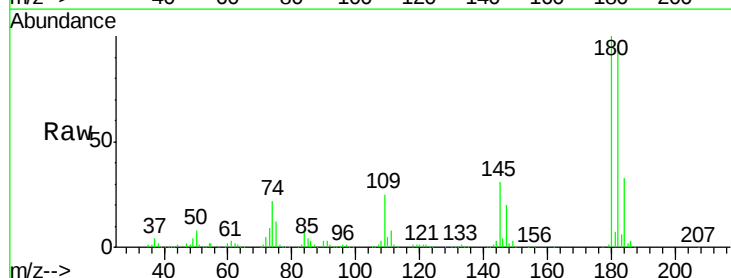
RT: 8.13 min Scan# 529

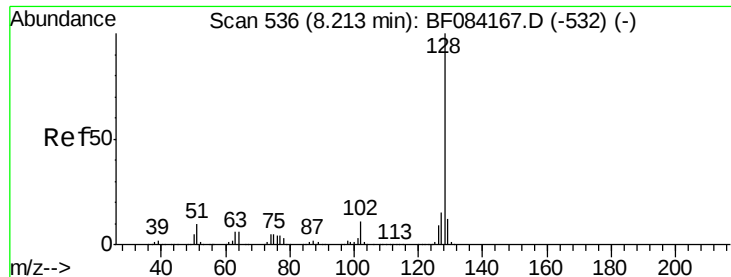
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	180	Resp:	781121
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.6	114.8
145	31.5	26.2	39.4





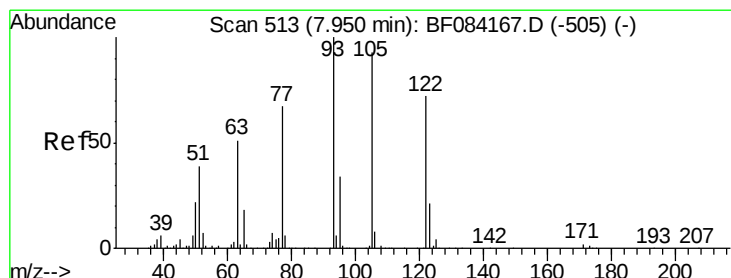
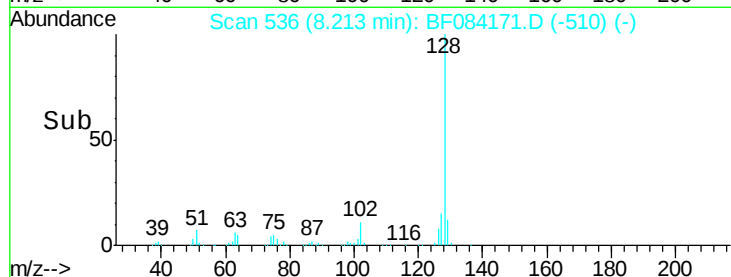
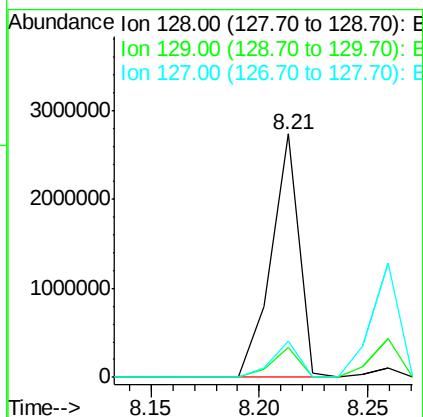
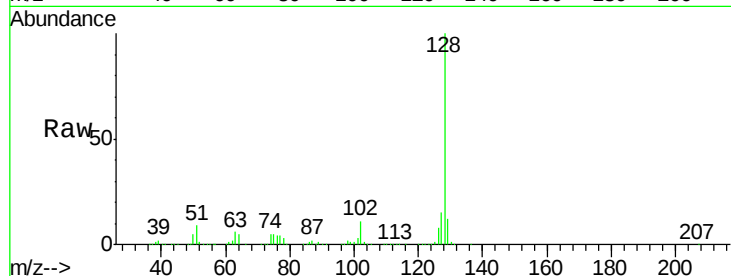
#31
Naphthalene
Concen: 41.52 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	10.0	15.0
127	14.8	12.0	18.0

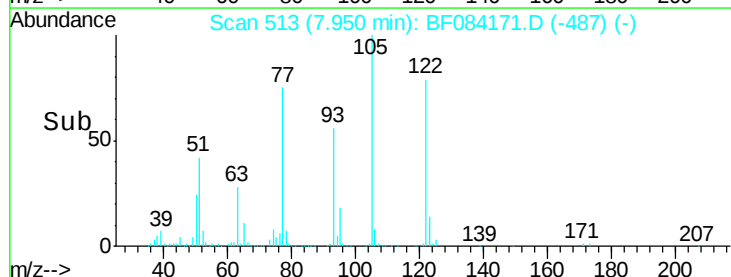
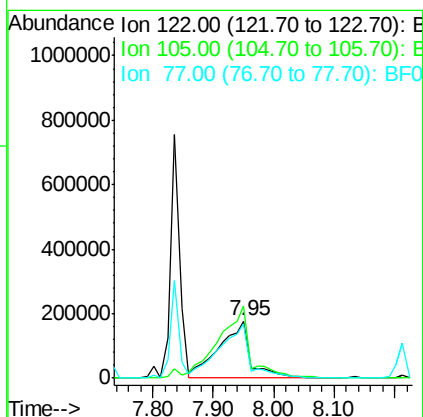
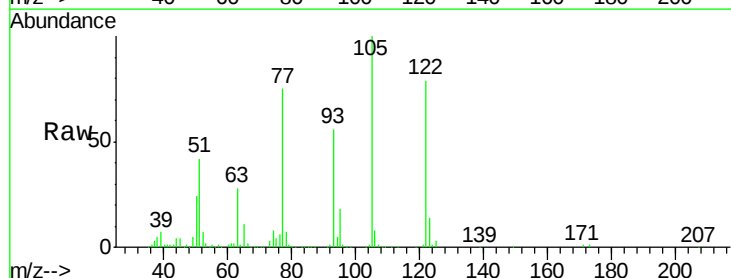
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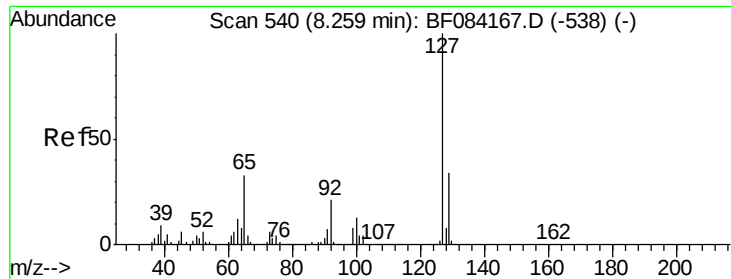
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#32
Benzoic acid
Concen: 40.91 ng m
RT: 7.95 min Scan# 513
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.0	108.6	148.6
77	95.3	74.1	114.1





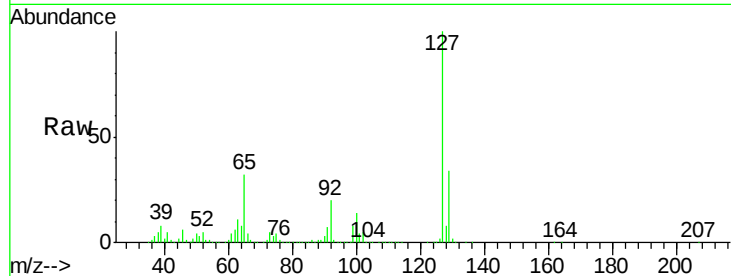
#33
4-Chloroaniline
Concen: 42.55 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

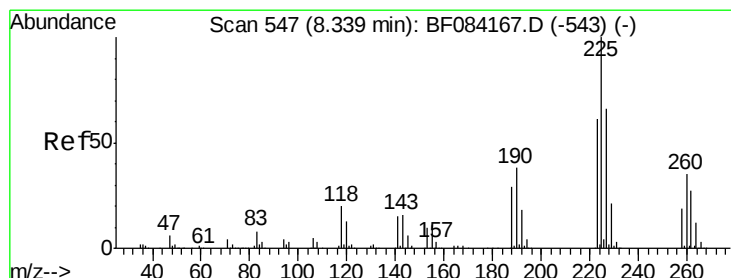
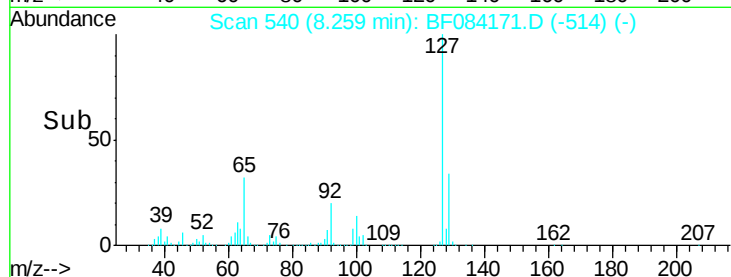
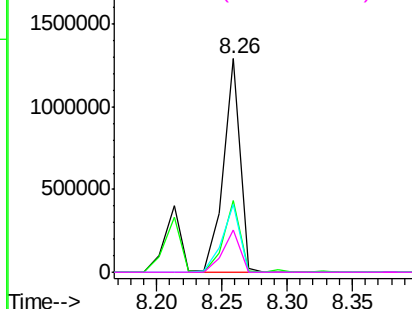
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		1153206		
129	33.8	27.0	40.6		
65	31.8	26.6	40.0		
92	20.0	16.5	24.7		

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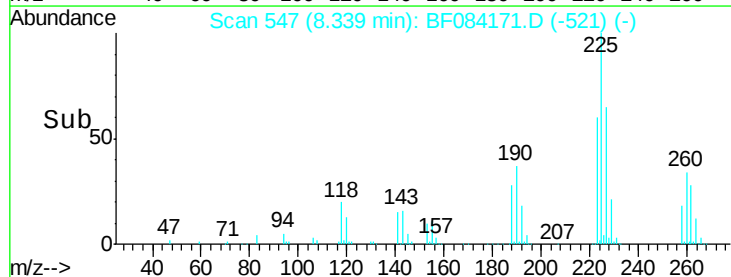
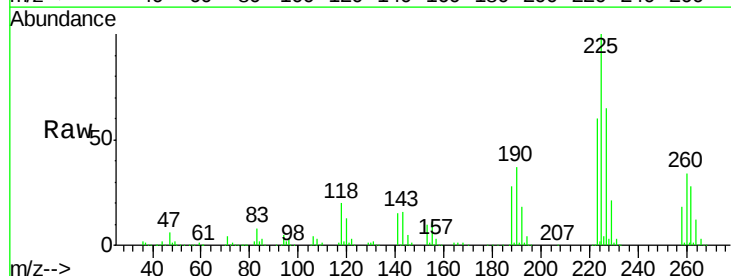
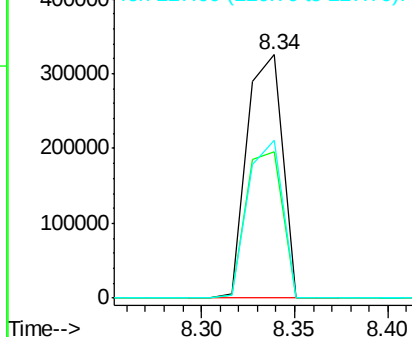
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

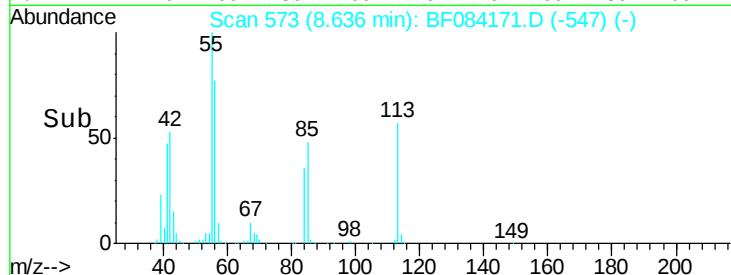
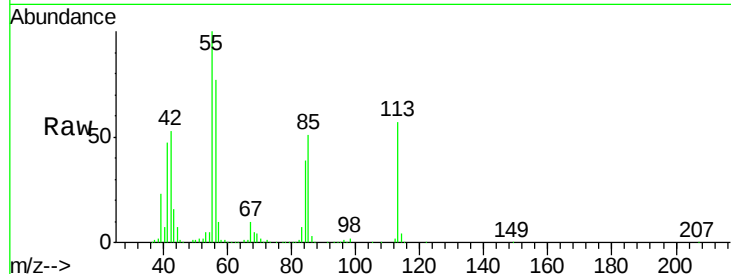
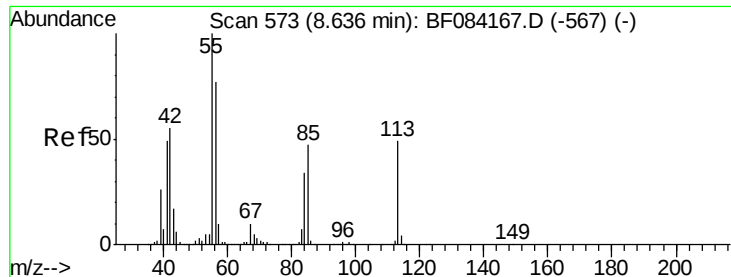


#34
Hexachlorobutadiene
Concen: 39.40 ng
RT: 8.34 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		426210		
223	60.1	49.0	73.6		
227	64.6	53.0	79.4		

Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 41.22 ng

RT: 8.64 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tot Ion:	113	Resp:	255695
Ion Ratio	Lower	Upper	
113	100		
55	174.7	186.0	226.0#
56	133.9	138.7	178.7#

Instrument :

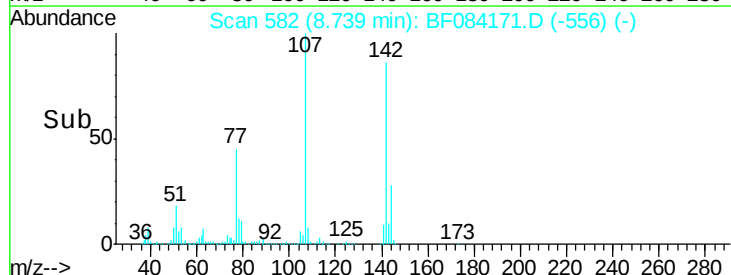
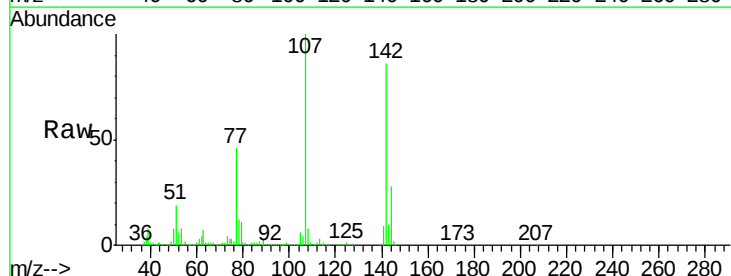
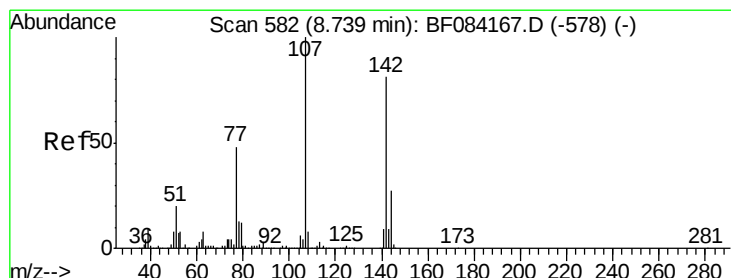
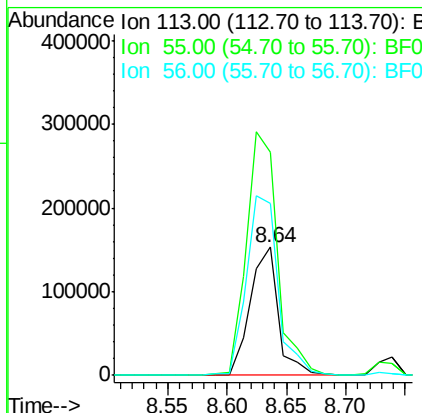
BNA_F

ClientSampleId :

ICVBF123015

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#36

4-Chloro-3-methylphenol

Concen: 40.16 ng

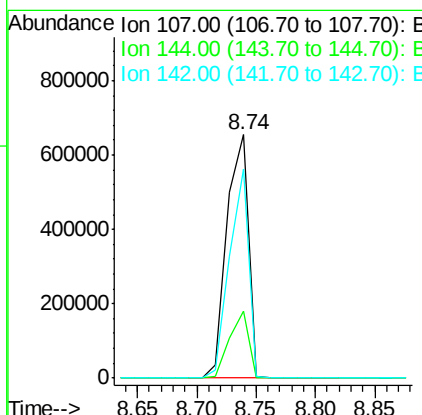
RT: 8.74 min Scan# 582

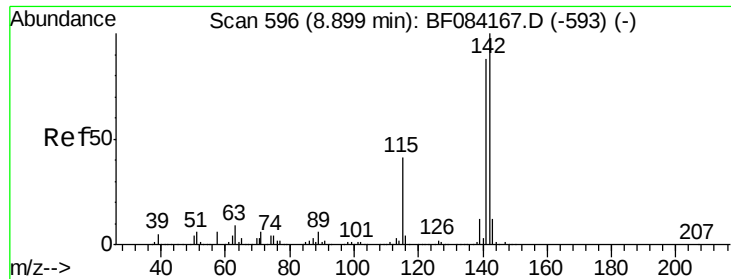
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	107	Resp:	823937
Ion Ratio	Lower	Upper	
107	100		
144	27.7	21.4	32.2
142	85.8	65.0	97.4





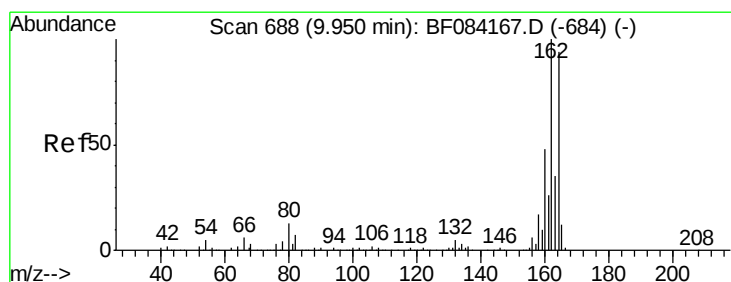
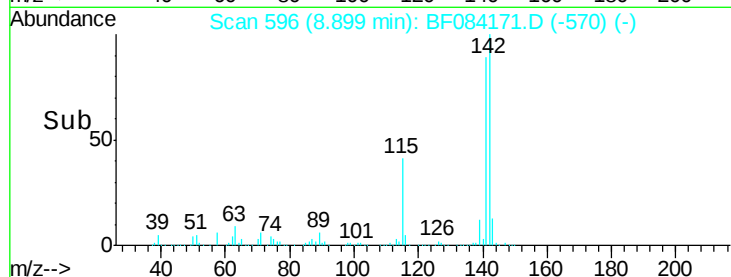
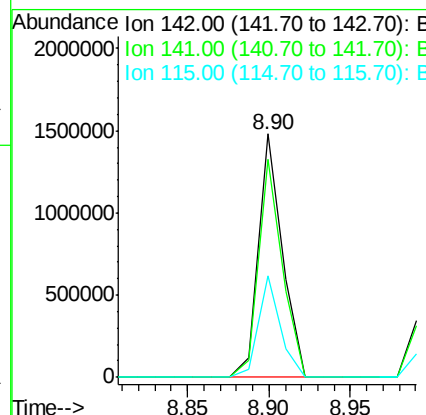
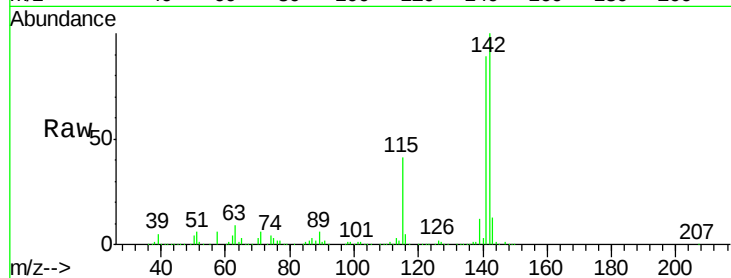
#37
2-Methylnaphthalene
Concen: 35.82 ng
RT: 8.90 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.7	106.1
115	41.5	33.2	49.8

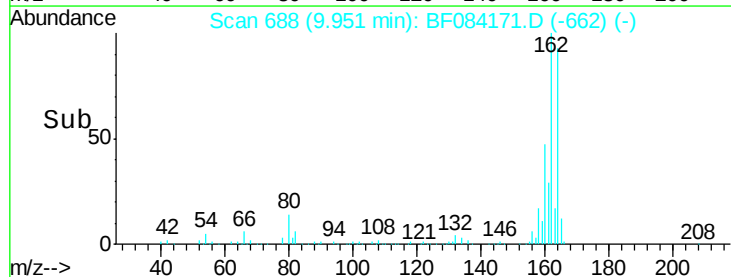
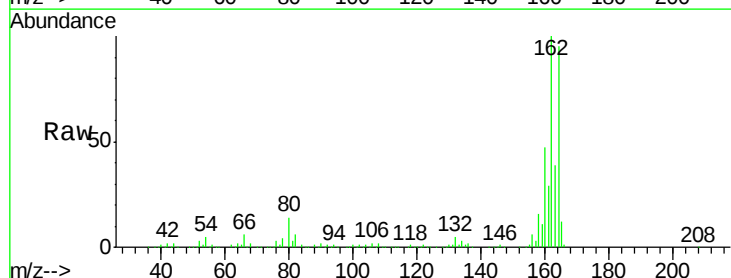
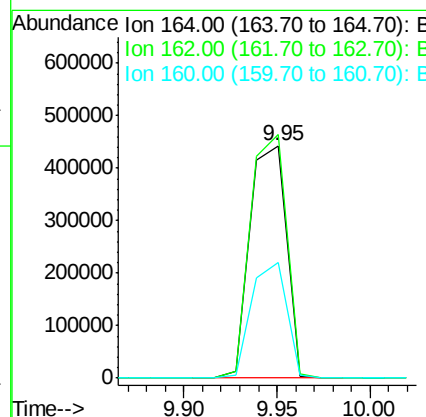
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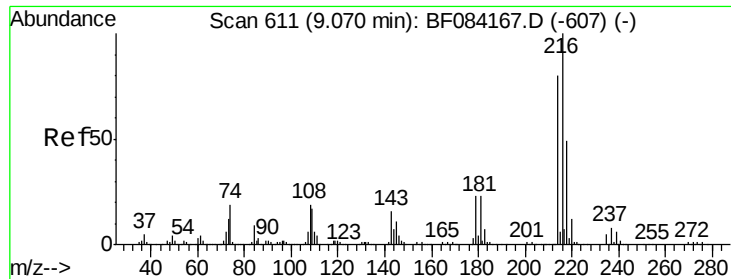
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	84.8	127.2
160	49.7	40.4	60.6





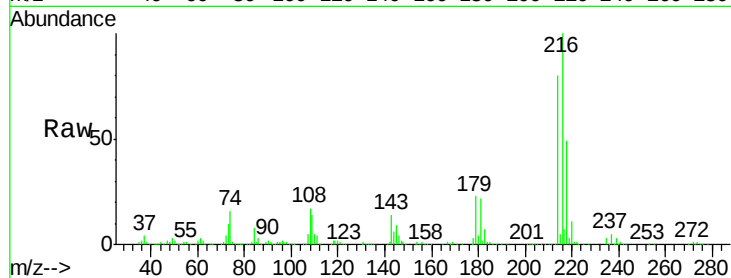
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.11 ng
 RT: 9.07 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

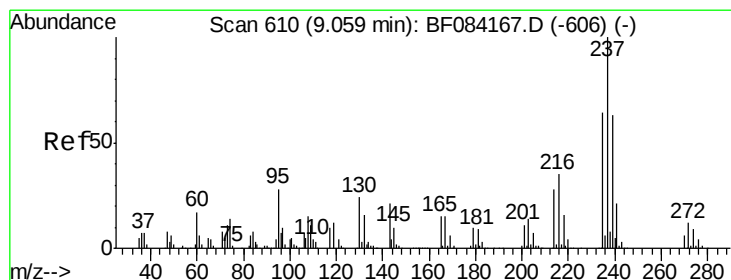
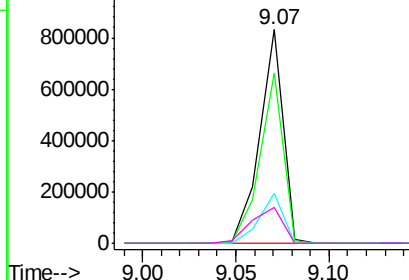
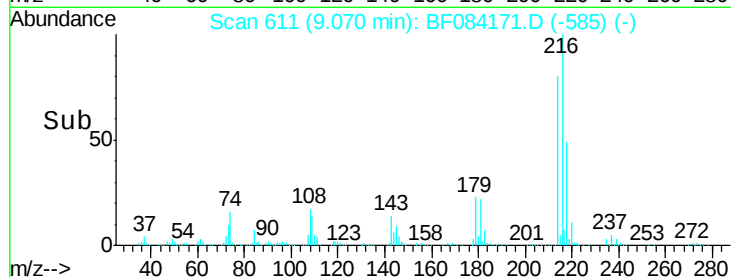
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		732442		
214	79.4	63.7	95.5		
179	23.8	19.1	28.7		
108	22.1	18.9	28.3		

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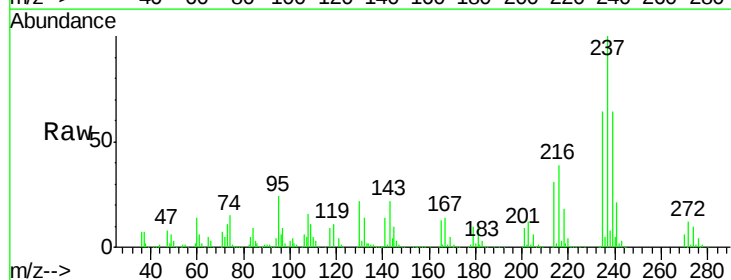


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

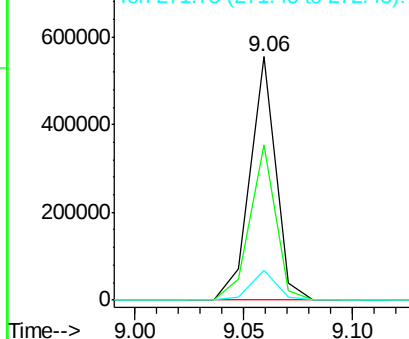
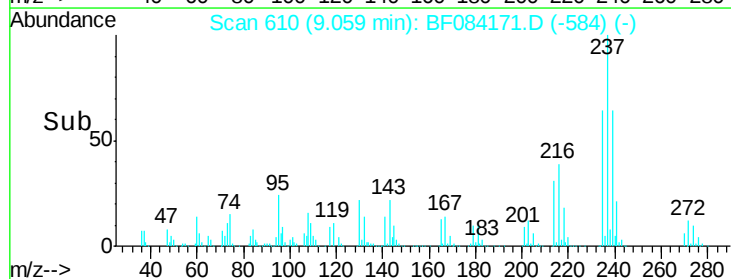


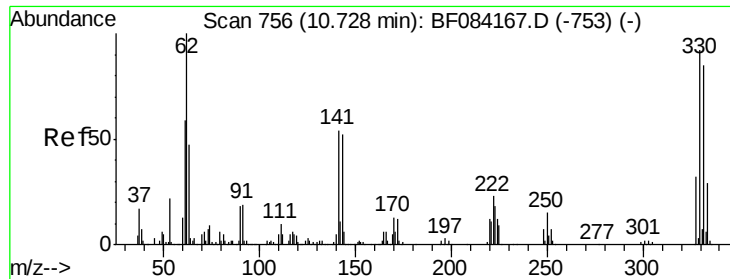
#40
 Hexachlorocyclopentadiene
 Concen: 42.26 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		455058		
235	64.0	44.4	84.4		
272	12.5	0.0	31.9		



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





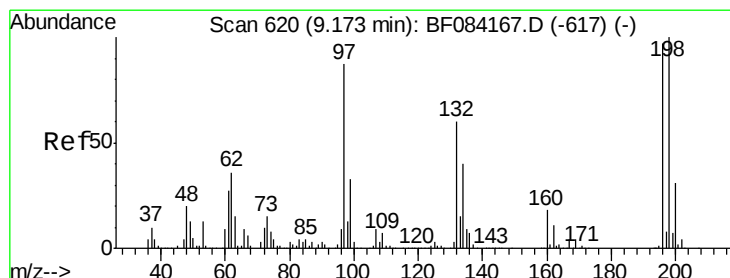
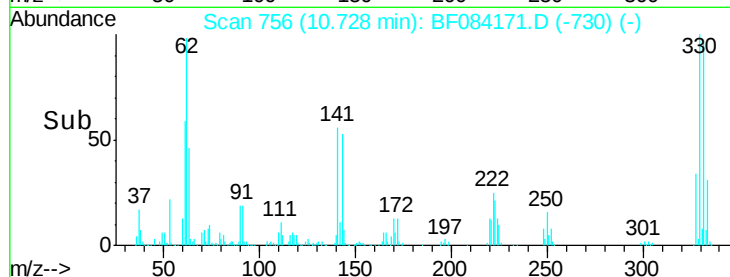
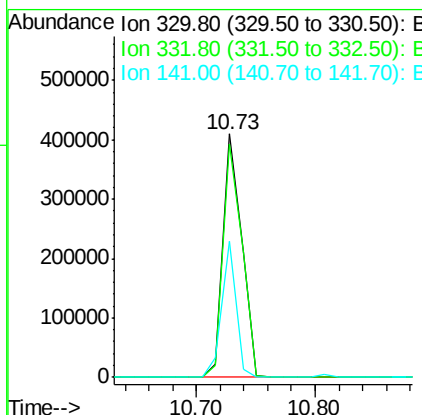
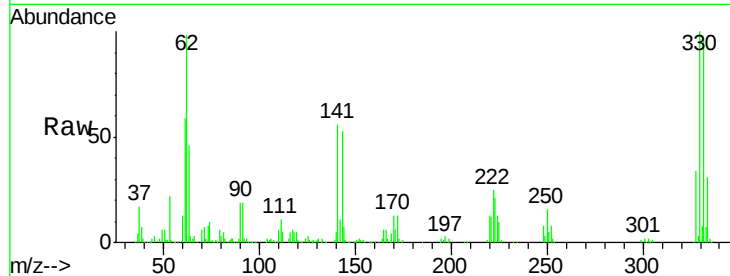
#41
 2,4,6-Tribromophenol
 Concen: 74.51 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

Tot Ion	Ratio	Resp	Lower	Upper
330	100	445317		
332	97.2	76.2	114.2	
141	42.8	31.3	46.9	

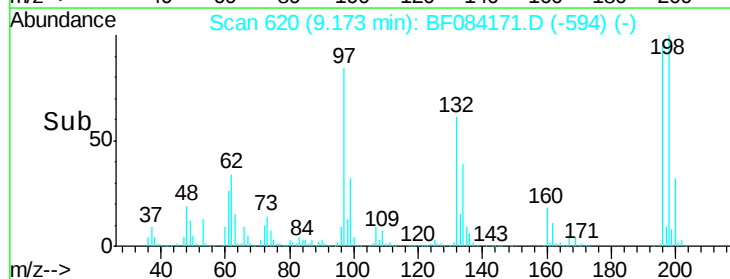
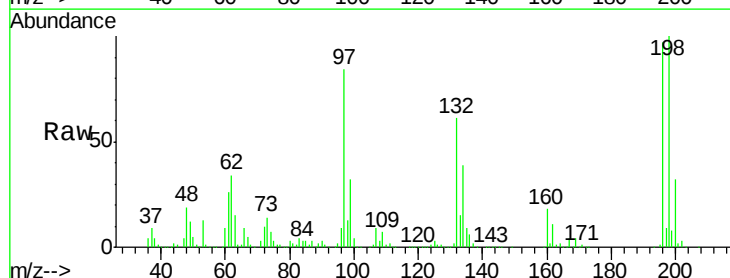
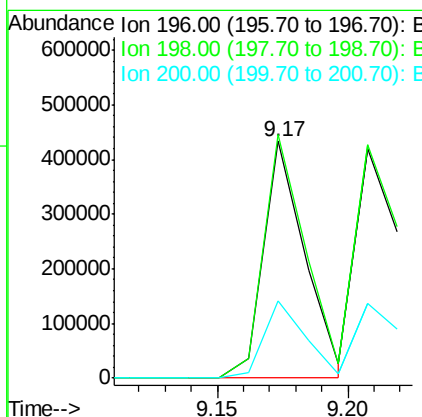
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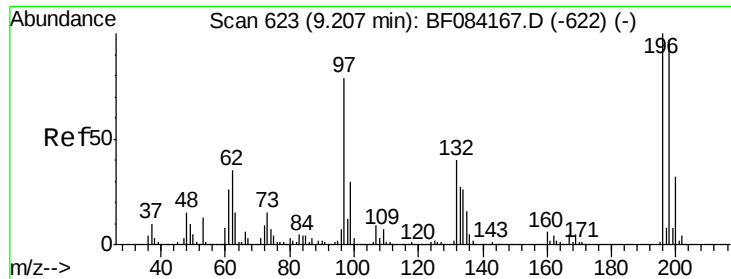
Sohil
 12/31/2015 6:41:34 PM



#42
 2,4,6-Trichlorophenol
 Concen: 37.80 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	475616		
198	102.7	82.5	123.7	
200	32.6	25.8	38.8	





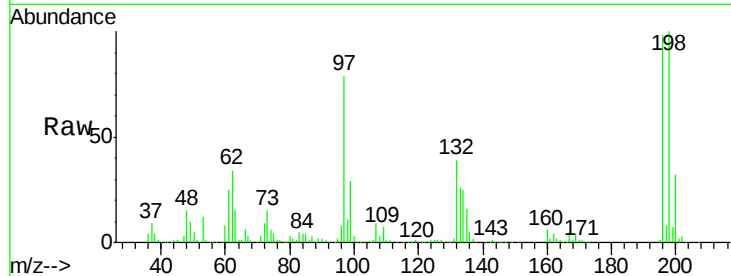
#43
 2,4,5-Trichlorophenol
 Concen: 37.93 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		475694		
198	101.7	78.2	117.4		
97	79.9	64.9	97.3		
132	39.9	32.3	48.5		

Manual Integrations
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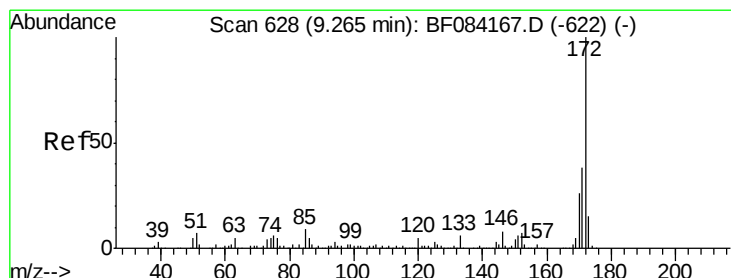
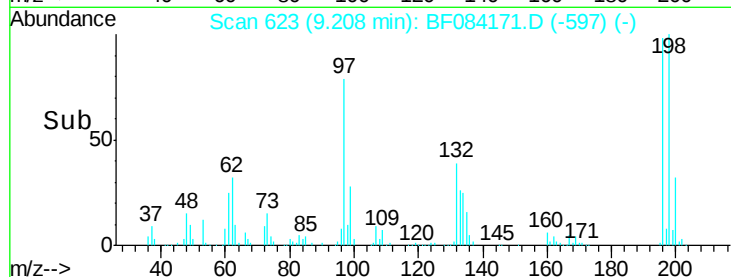
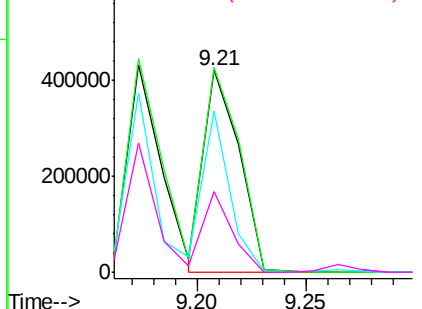
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.92 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

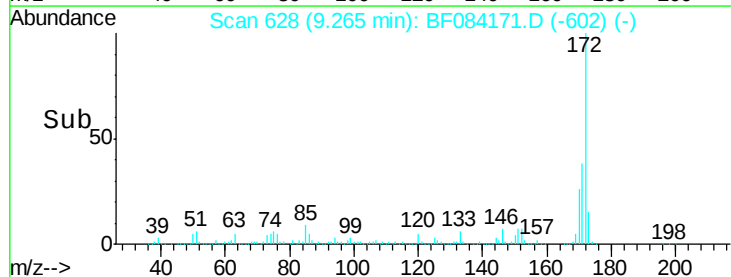
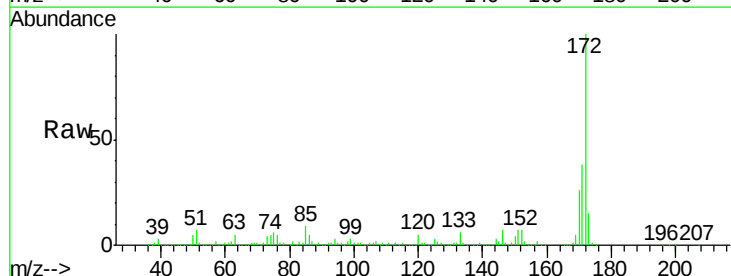
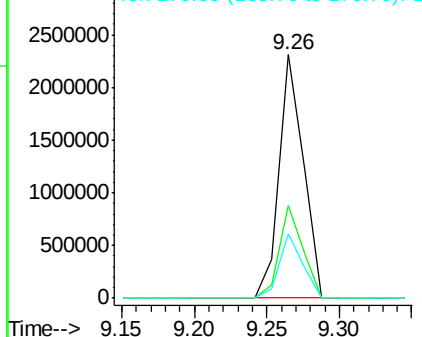
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		2677884		
171	38.2	30.6	46.0		
170	26.2	20.6	30.8		

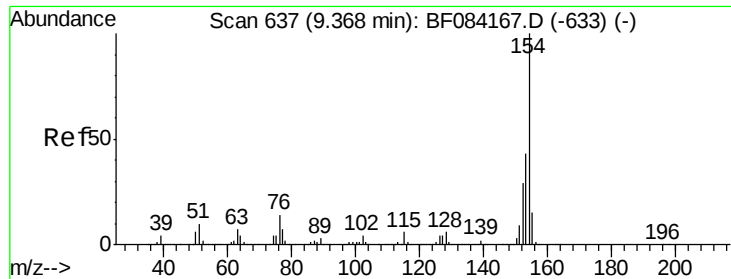
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 40.53 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:154 Resp: 1918066

Ion Ratio Lower Upper

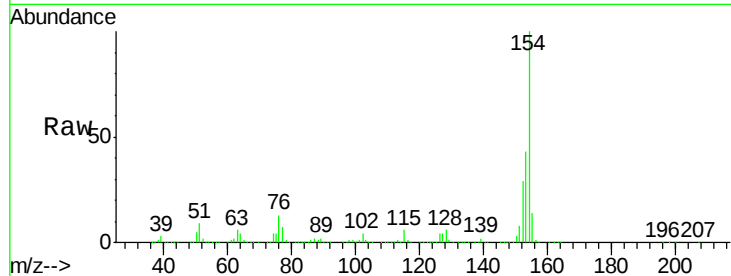
154 100

153 42.7 23.4 63.4

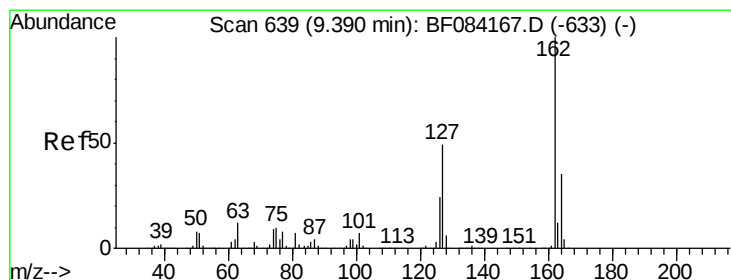
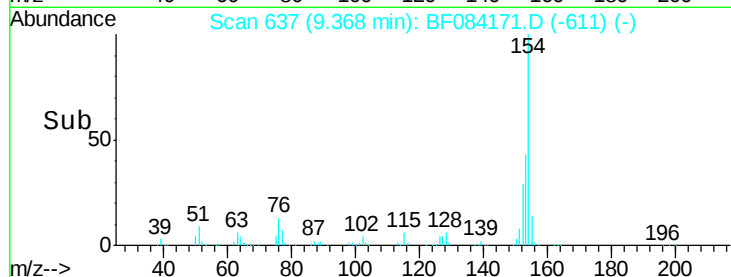
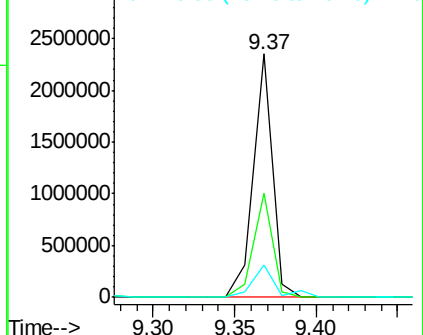
76 13.2 0.0 34.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 38.48 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

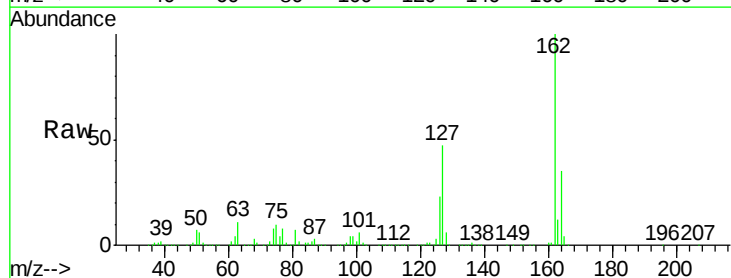
Tgt Ion:162 Resp: 1410777

Ion Ratio Lower Upper

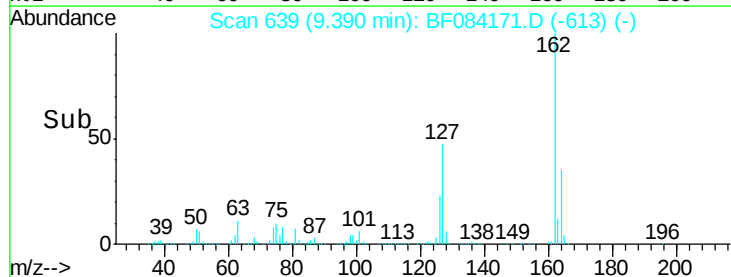
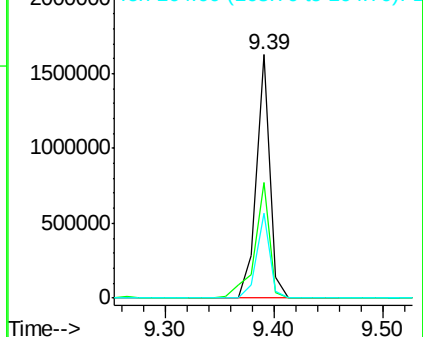
162 100

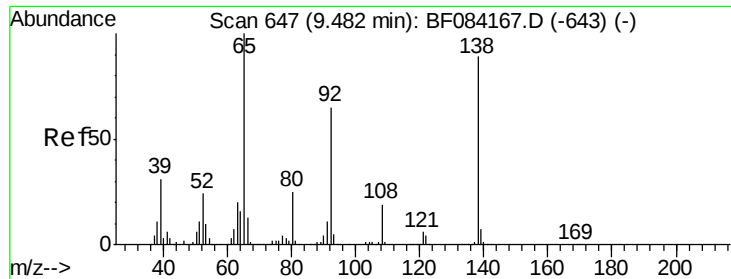
127 47.4 39.4 59.0

164 34.7 27.8 41.6



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





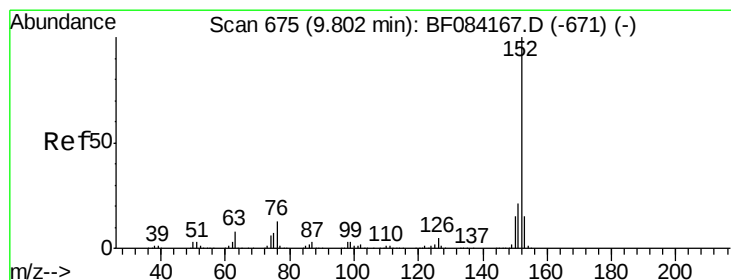
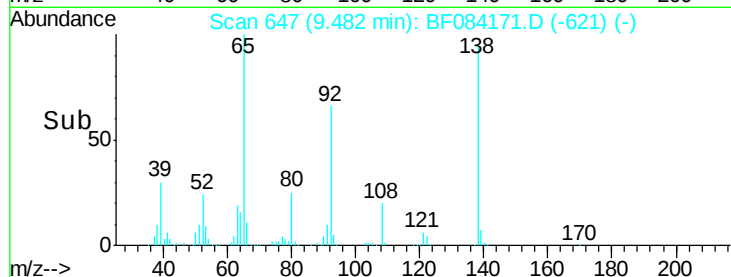
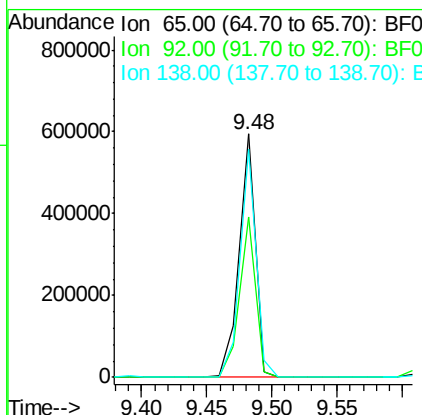
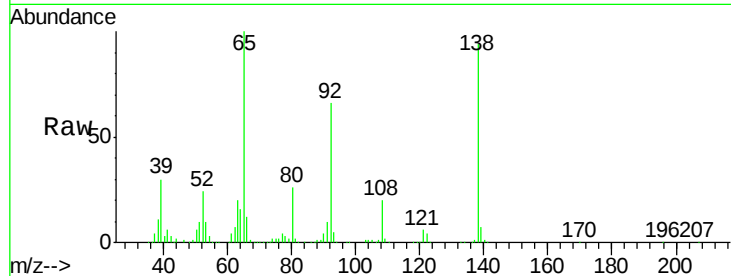
#47
2-Nitroaniline
Concen: 44.53 ng
RT: 9.48 min Scan# 647
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.9	51.8	77.8
138	93.5	70.9	106.3

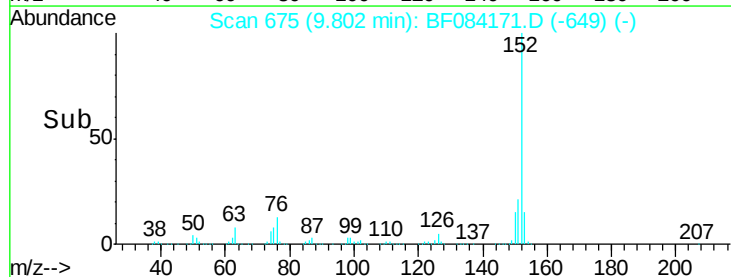
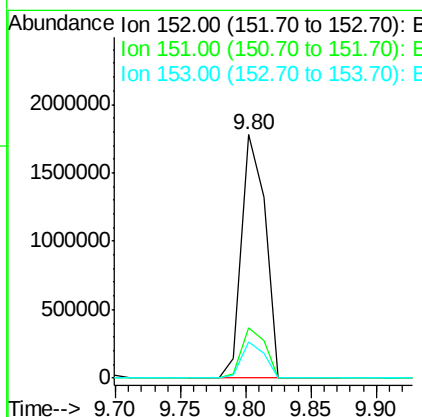
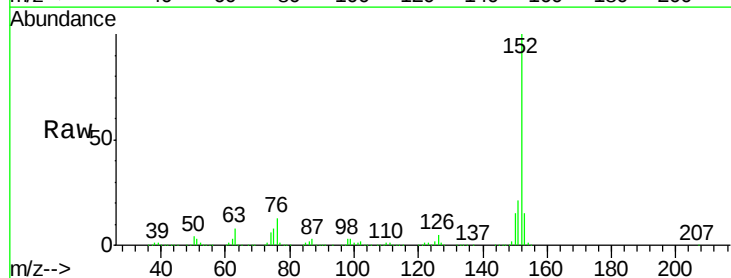
Manual Integrations
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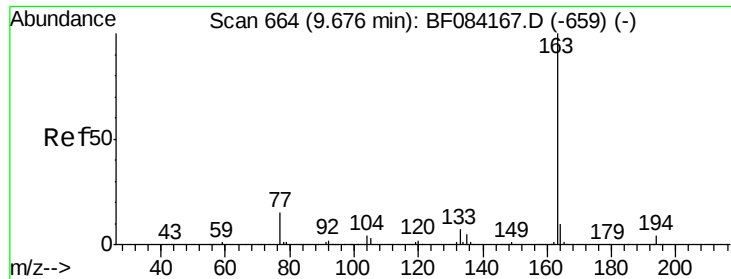
Sohil
12/31/2015 6:41:34 PM



#48
Acenaphthylene
Concen: 36.25 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	15.0	12.2	18.2





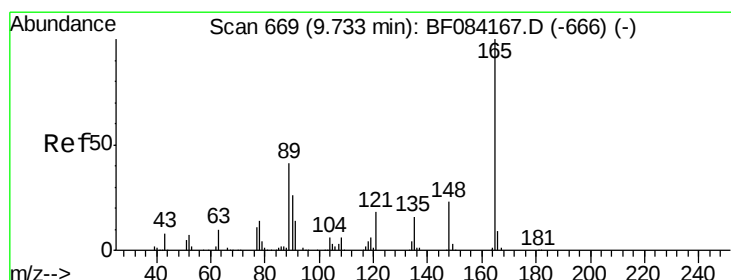
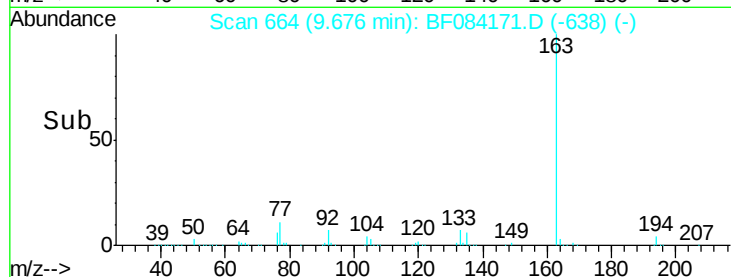
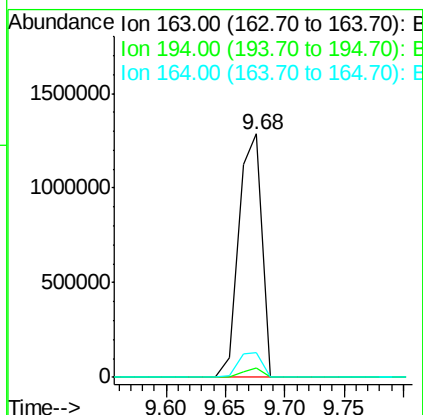
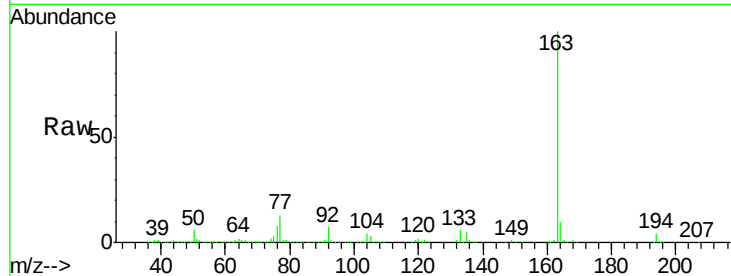
#49
Dimethylphthalate
Concen: 40.23 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion:163 Resp: 1730258
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.1 8.2 12.4

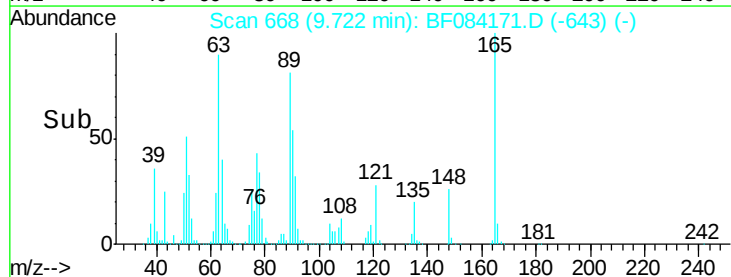
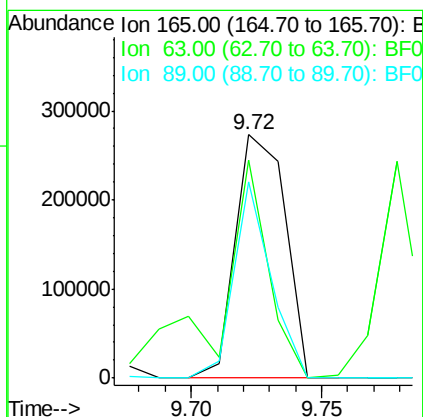
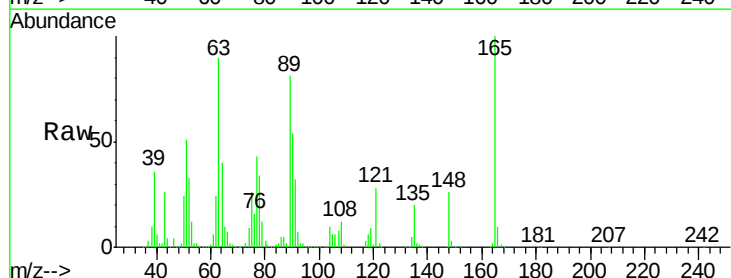
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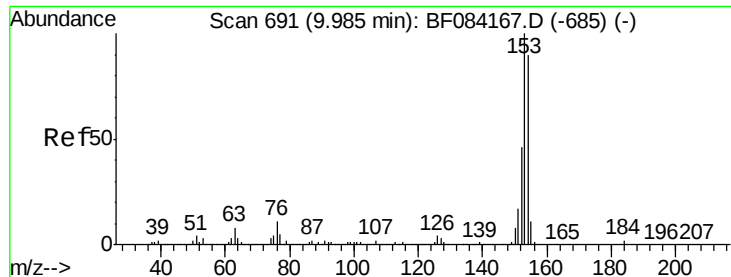
Sohil
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#50
2,6-Dinitrotoluene
Concen: 37.72 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion:165 Resp: 366261
Ion Ratio Lower Upper
165 100
63 89.7 28.8 43.2#
89 80.5 32.7 49.1#





#51

Acenaphthene

Concen: 39.34 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:154 Resp: 1526924

Ion Ratio Lower Upper

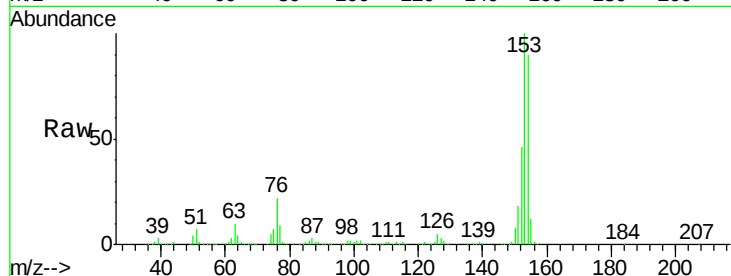
154 100

153 111.4 89.2 133.8

152 51.8 41.2 61.8

Manual Integrations
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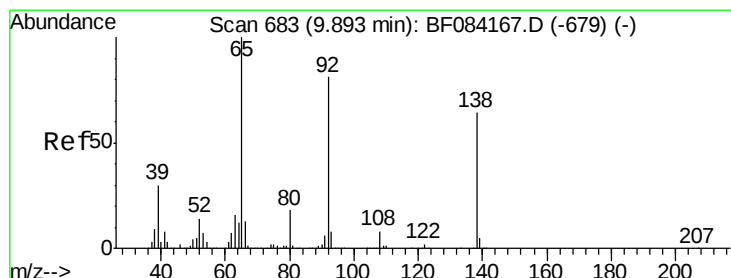
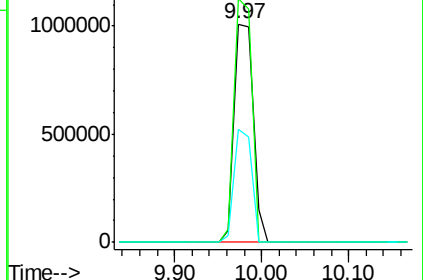
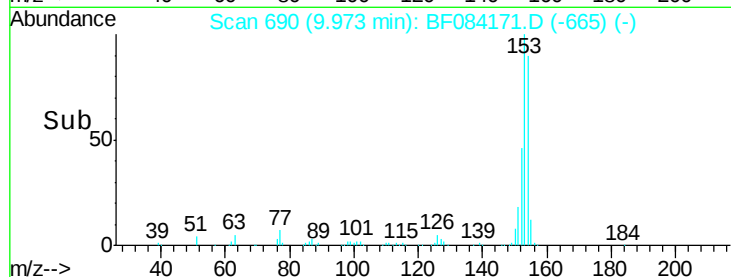
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 41.27 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

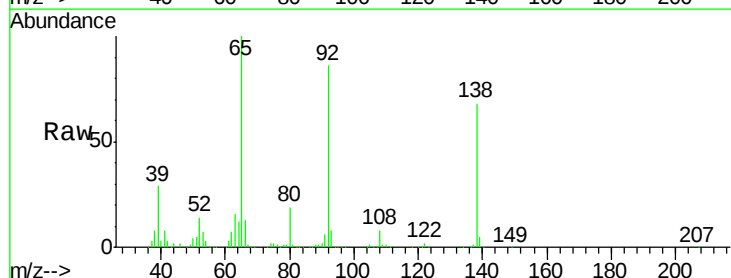
Tgt Ion:138 Resp: 443265

Ion Ratio Lower Upper

138 100

108 12.2 10.2 15.4

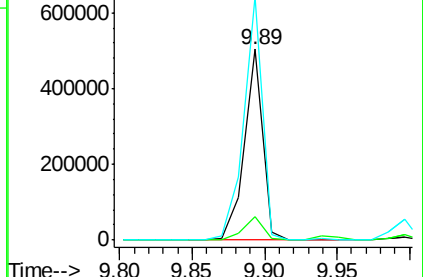
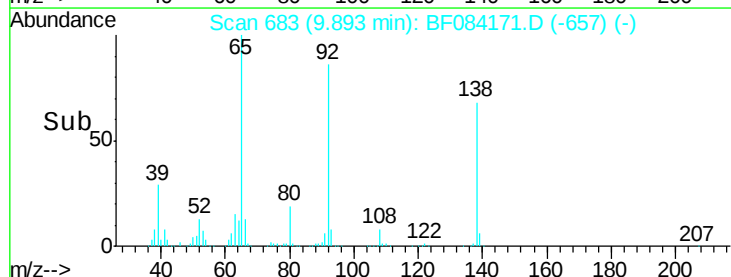
92 127.5 101.9 152.9

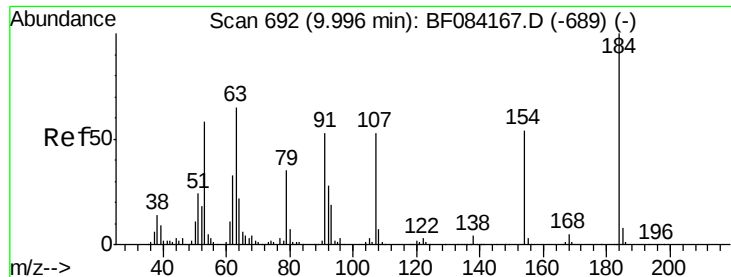


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





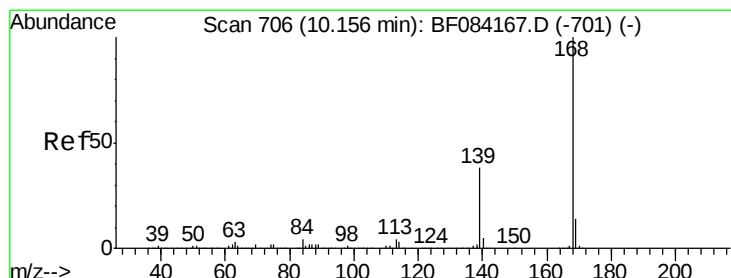
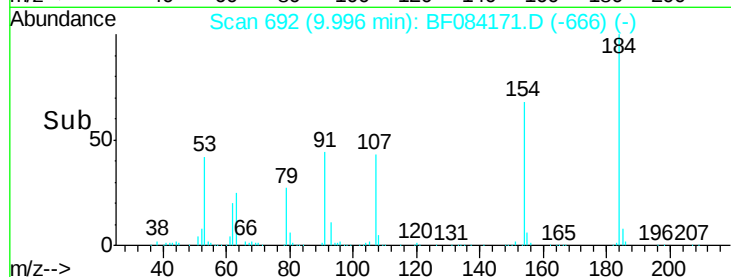
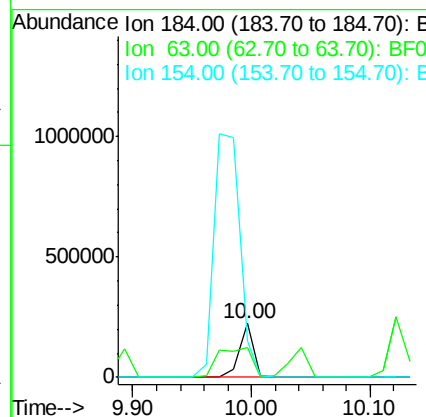
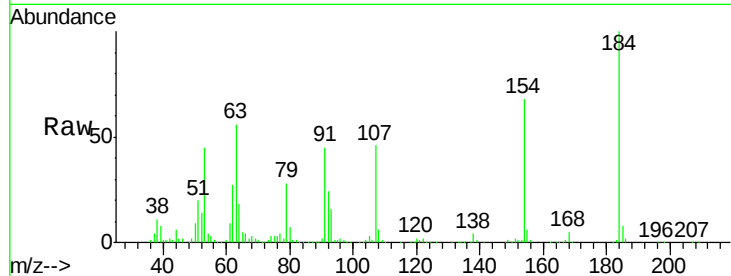
#53
2,4-Dinitrophenol
Concen: 55.10 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Resp	Lower	Upper
184	100	184231		
63	56.0		54.2	81.4
154	67.8		58.2	87.4

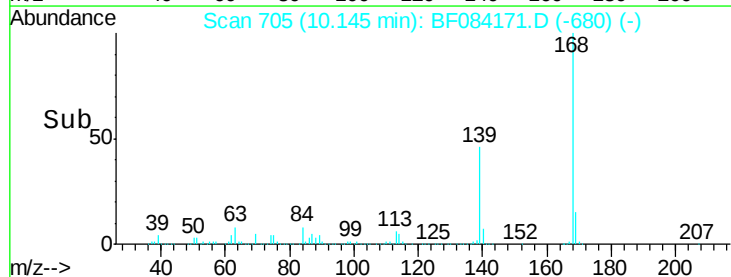
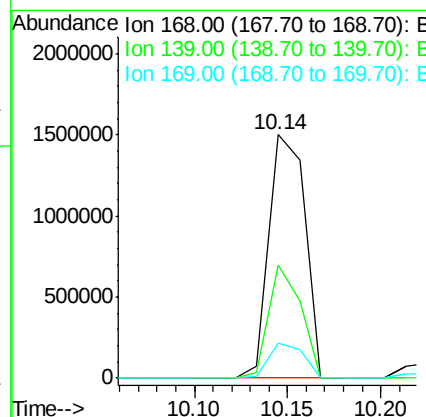
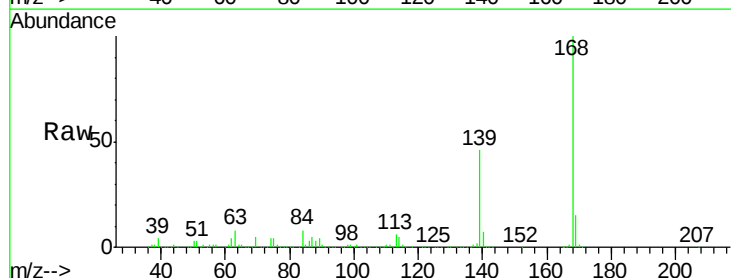
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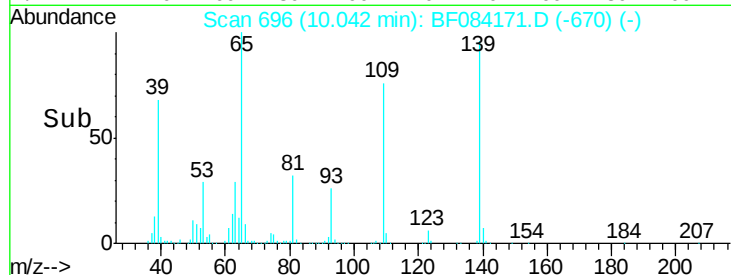
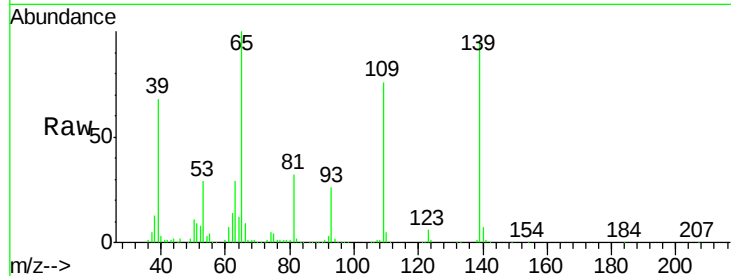
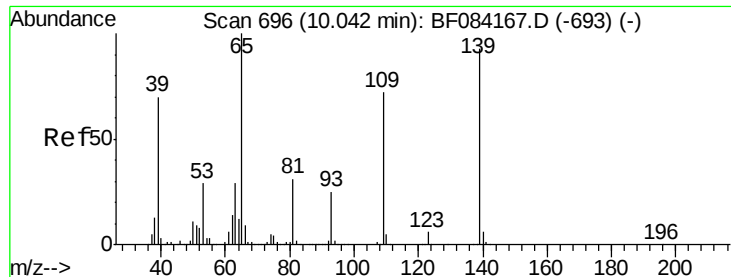
Sohil
12/31/2015 6:41:34 PM



#54
Dibenzofuran
Concen: 37.47 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	2003483		
139	46.5		30.5	45.7#
169	14.5		11.1	16.7





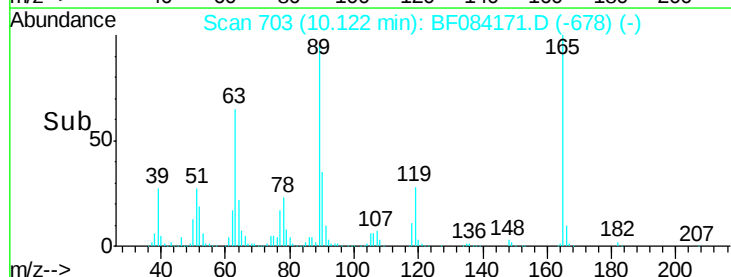
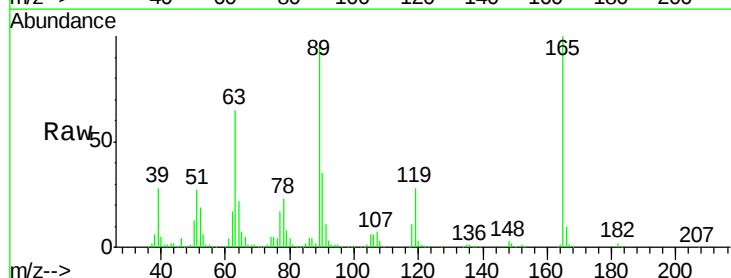
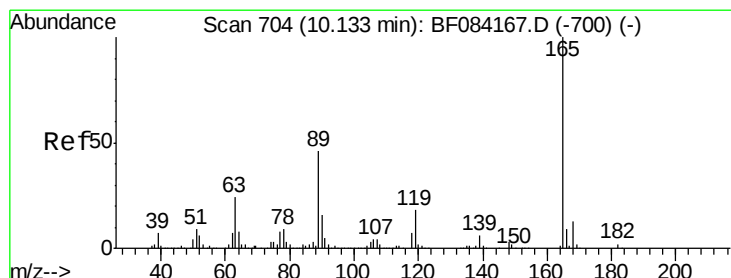
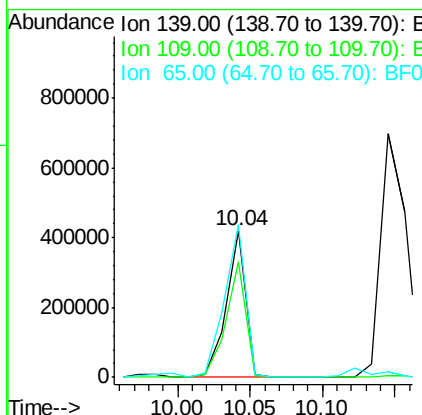
#55
4-Nitrophenol
Concen: 47.12 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tot Ion	Ratio	Resp	Lower	Upper
139	100	390303		
109	79.1	57.3	97.3	
65	104.0	88.4	128.4	

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

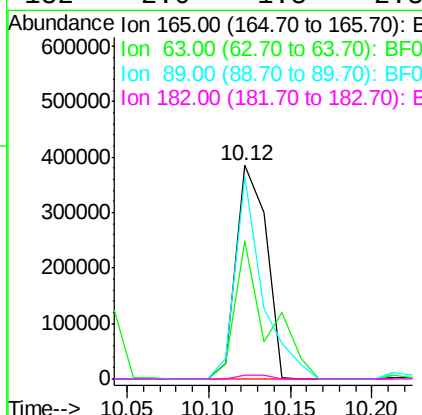
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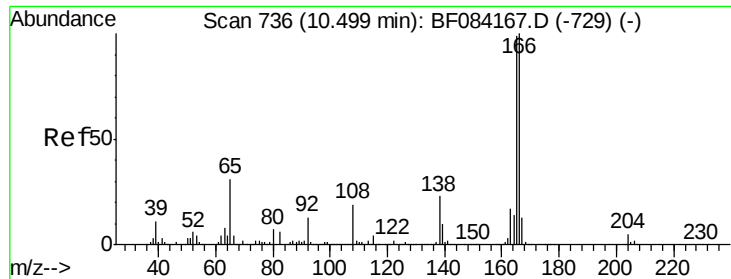
Sohil
12/31/2015 6:41:34 PM



#56
2,4-Dinitrotoluene
Concen: 40.14 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	489901		
63	64.8	19.4	29.2#	
89	94.6	37.0	55.6#	
182	2.0	1.8	2.8	





#57

Fluorene

Concen: 36.94 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:166 Resp: 1439857

Ion Ratio Lower Upper

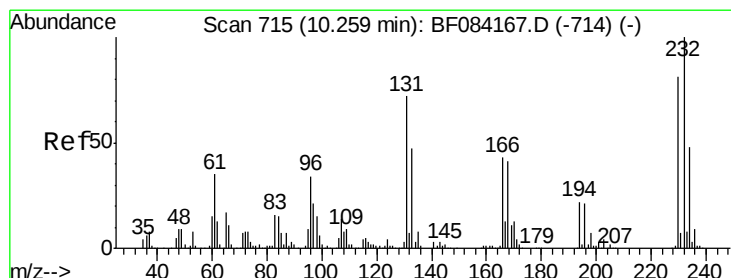
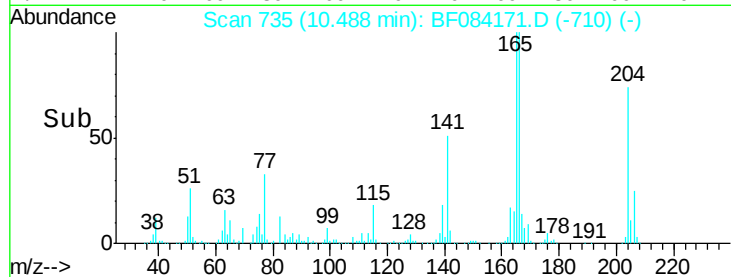
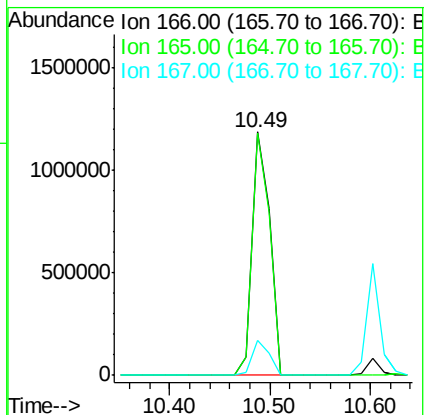
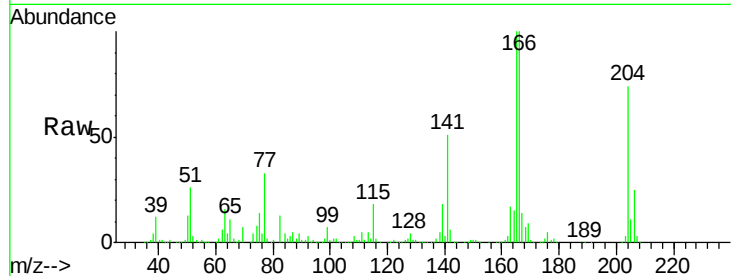
166 100

165 99.6 79.0 118.4

167 14.3 10.6 15.8

Manual Integrations
APPROVED

Sohil
12/31/2015 6:41:34 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 37.57 ng

RT: 10.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:232 Resp: 410259

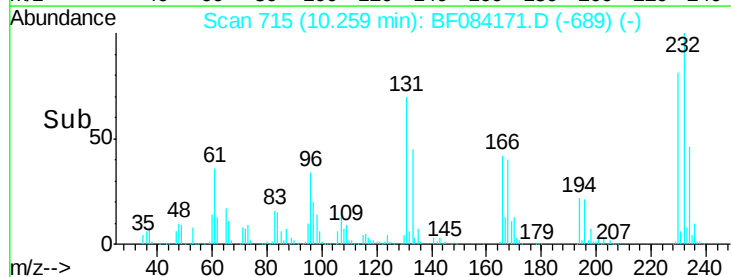
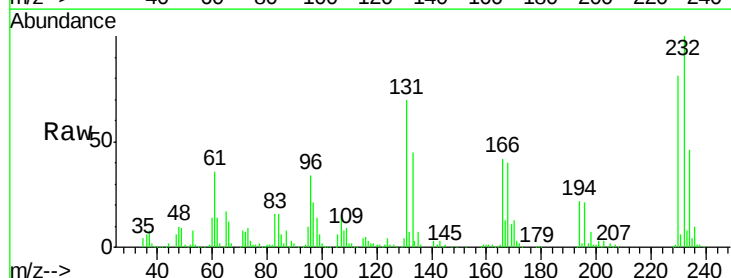
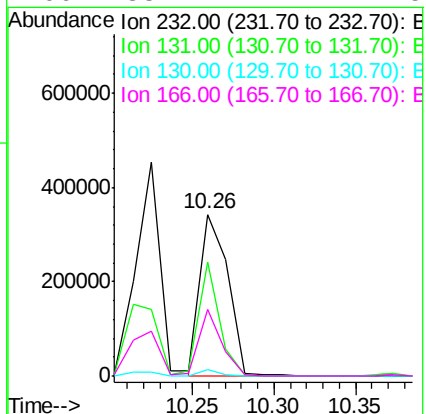
Ion Ratio Lower Upper

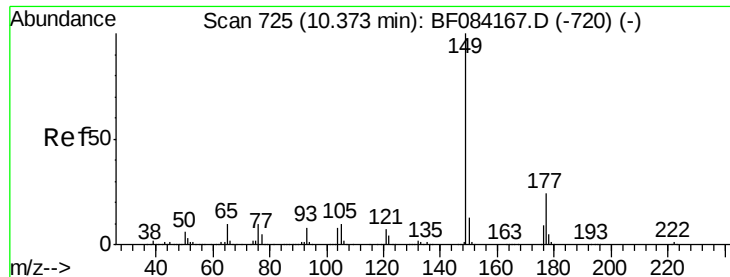
232 100

131 52.5 42.9 64.3

130 2.6 2.0 3.0

166 33.4 27.7 41.5





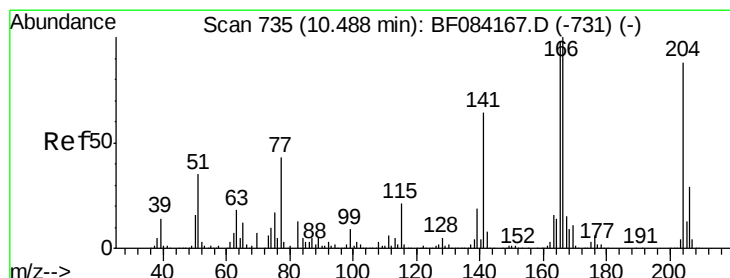
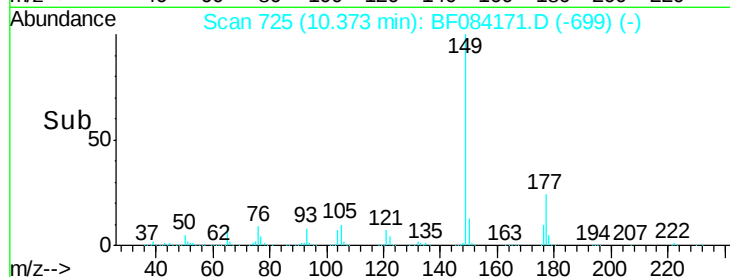
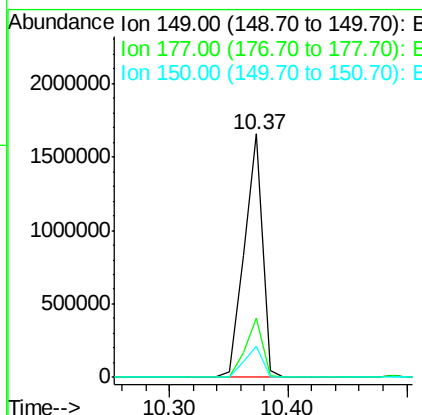
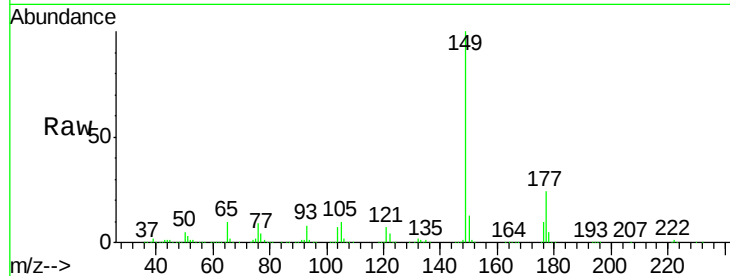
#59
Diethylphthalate
Concen: 43.78 ng
RT: 10.37 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
149	100		
177	24.4	19.1	28.7
150	12.9	10.6	15.8

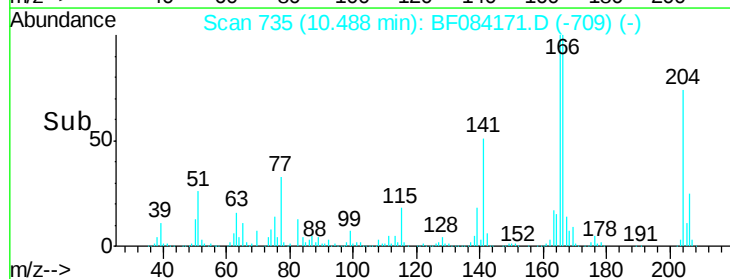
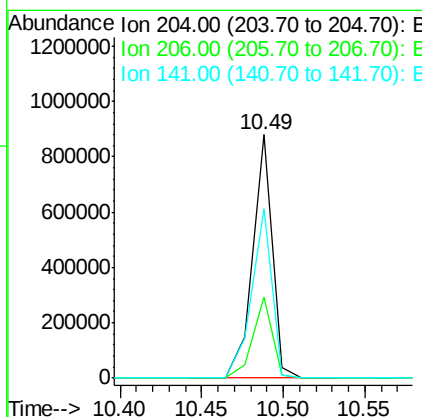
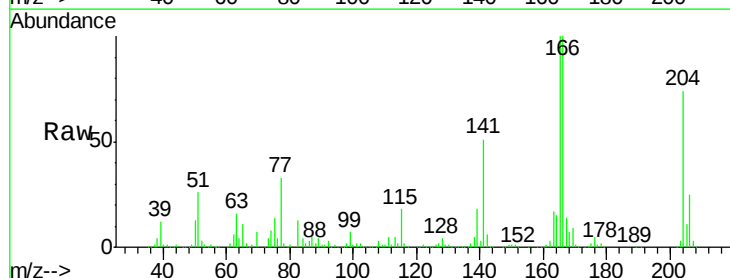
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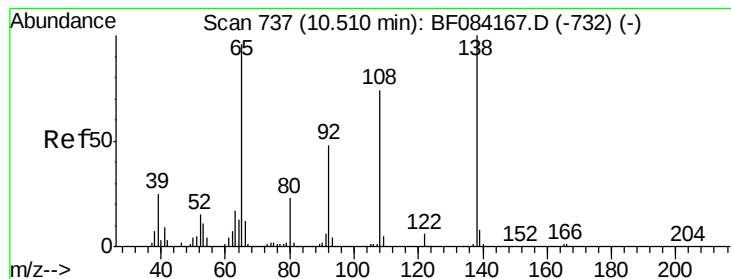
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 44.06 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.4	39.6
141	69.3	58.0	87.0





#61

4-Nitroaniline

Concen: 43.47 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF084171.D

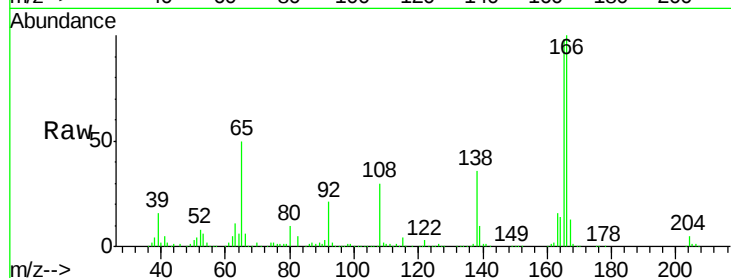
Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

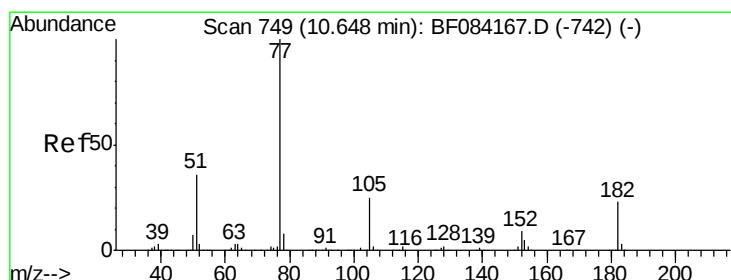
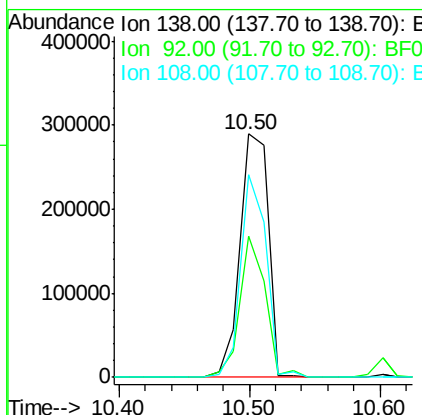
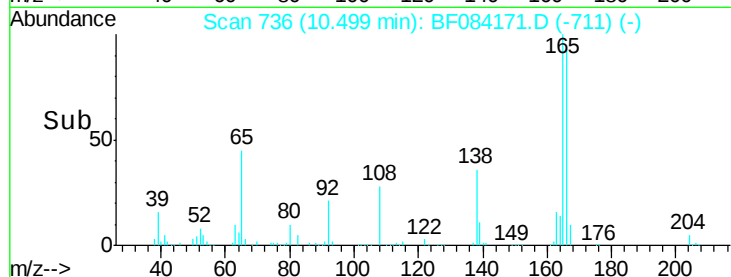
ICVBF123015



Tot Ion:	138	Resp:	436126
Ion Ratio	Lower	Upper	
138	100		
92	57.8	28.4	68.4
108	83.4	54.0	94.0

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#62

Azobenzene

Concen: 42.37 ng

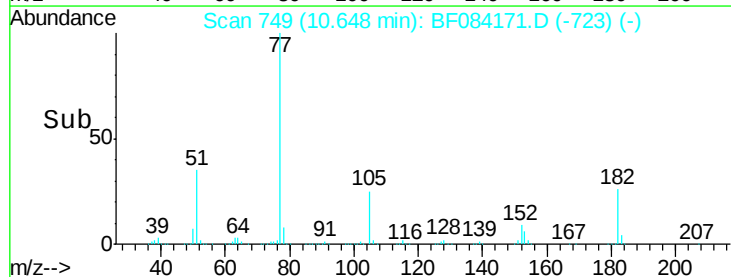
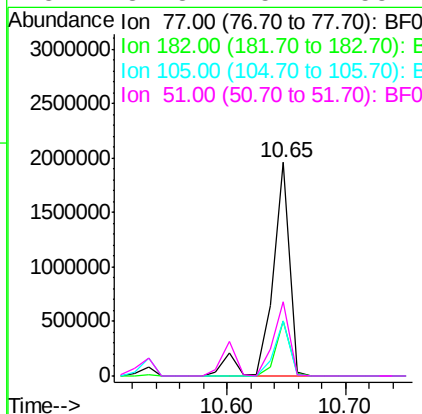
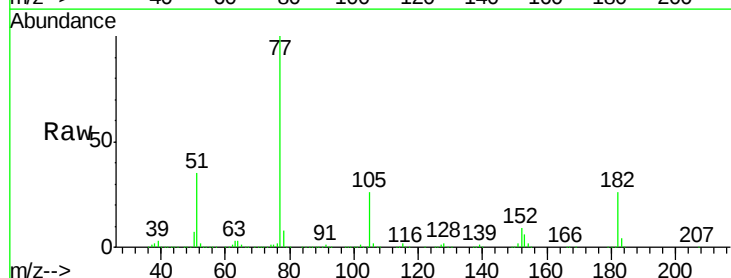
RT: 10.65 min Scan# 749

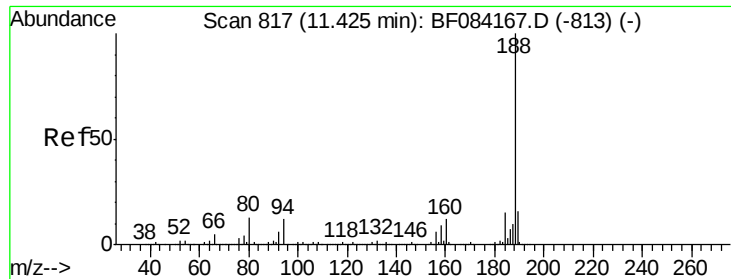
Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tgt Ion:	77	Resp:	1996779
Ion Ratio	Lower	Upper	
77	100		
182	25.8	3.2	43.2
105	25.6	5.1	45.1
51	34.8	15.7	55.7





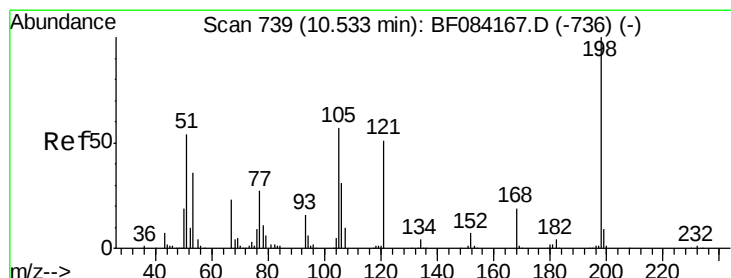
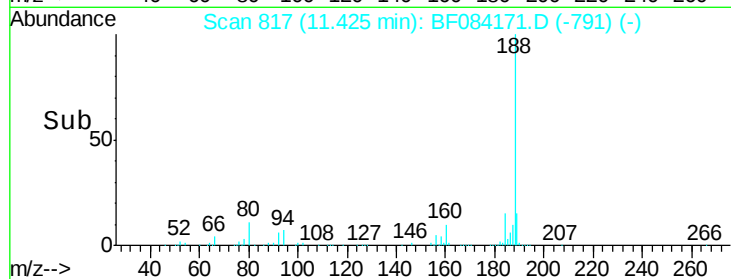
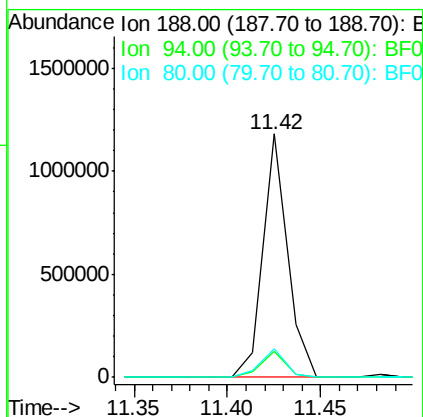
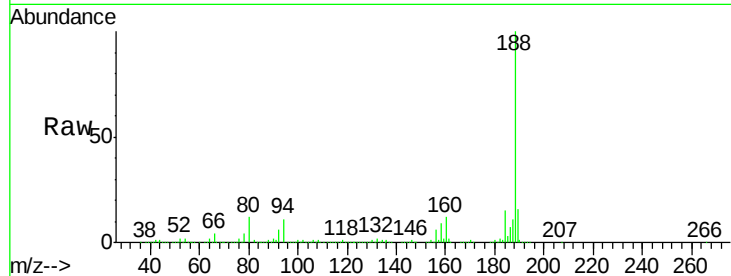
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.2	13.8
80	11.5	10.1	15.1

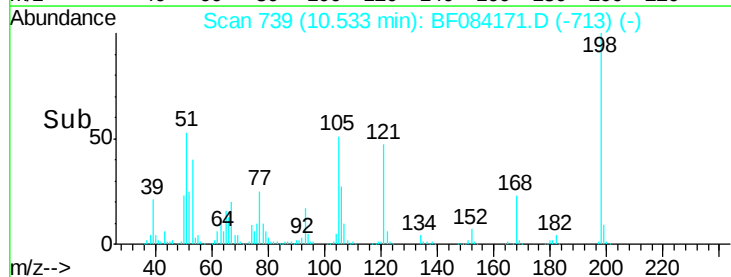
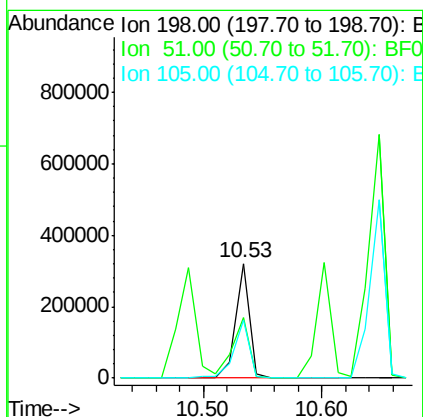
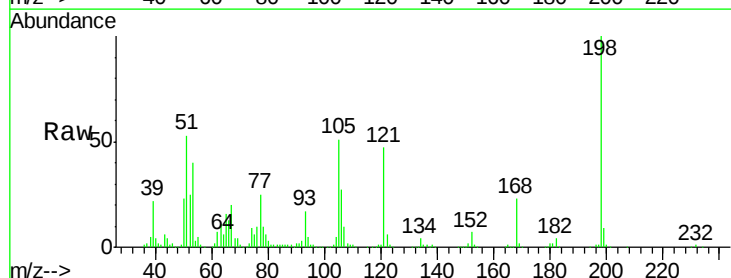
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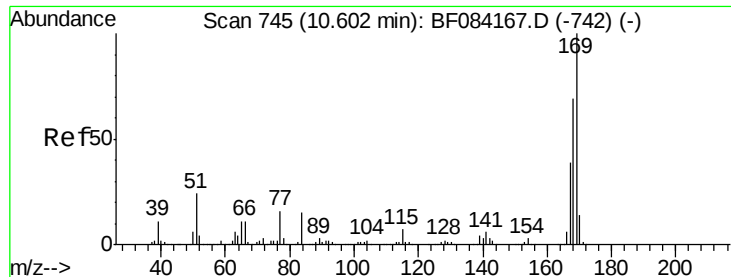
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#64
4,6-Dinitro-2-methylphenol
Concen: 55.98 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
198	100		
51	52.7	46.4	86.4
105	50.6	38.5	78.5





#65

n-Nitrosodiphenylamine

Concen: 38.24 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:169 Resp: 1298694

Ion Ratio Lower Upper

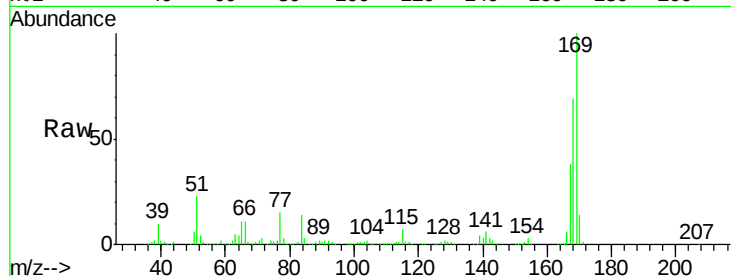
169 100

168 69.3 55.2 82.8

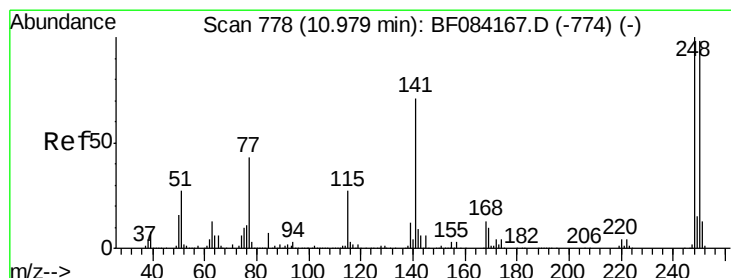
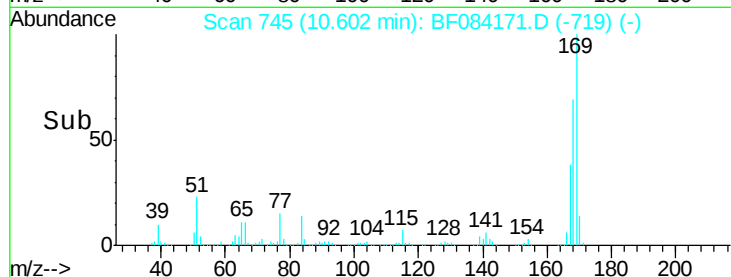
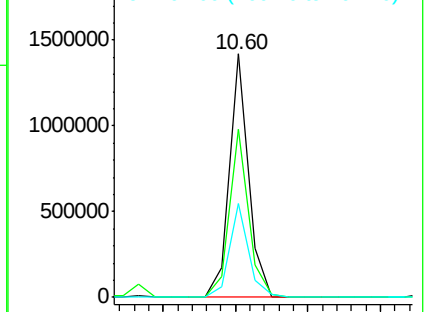
167 38.4 31.1 46.7

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.63 ng

RT: 10.98 min Scan# 778

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

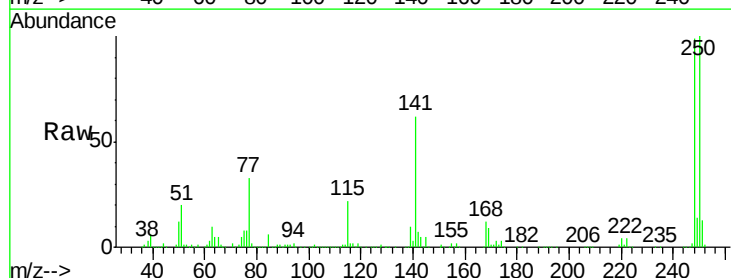
Tgt Ion:248 Resp: 501625

Ion Ratio Lower Upper

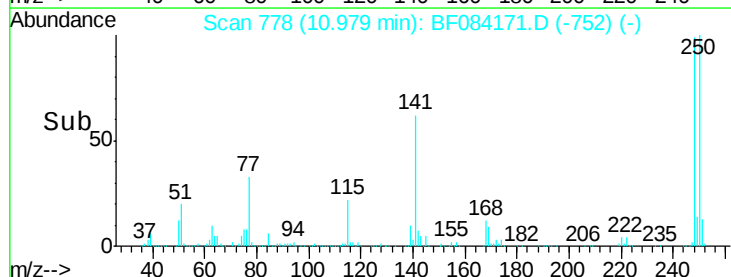
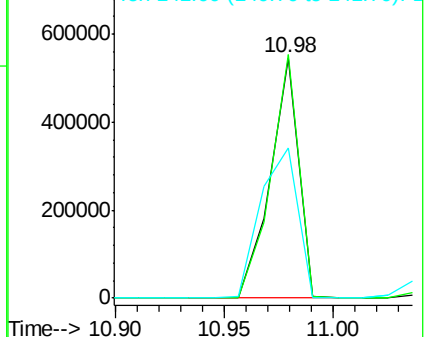
248 100

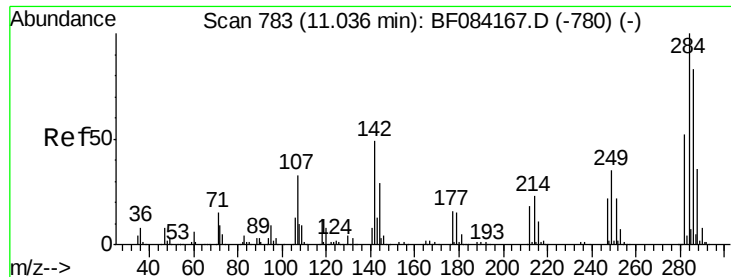
250 101.5 78.7 118.1

141 62.7 57.1 85.7



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





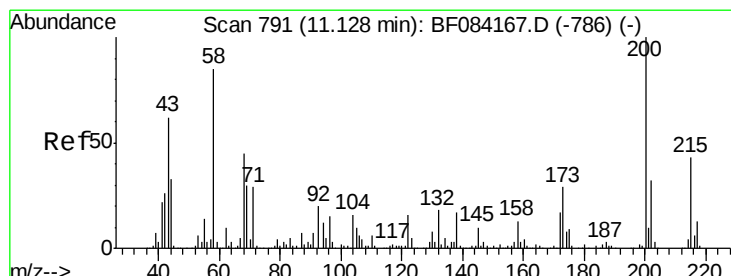
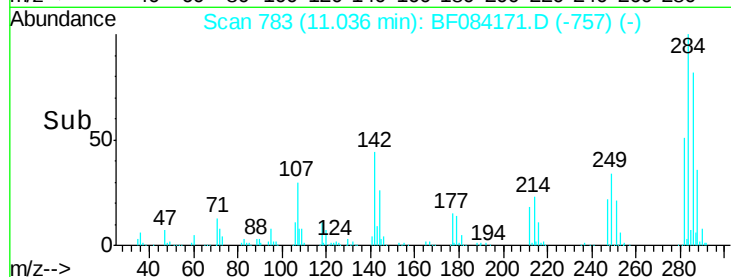
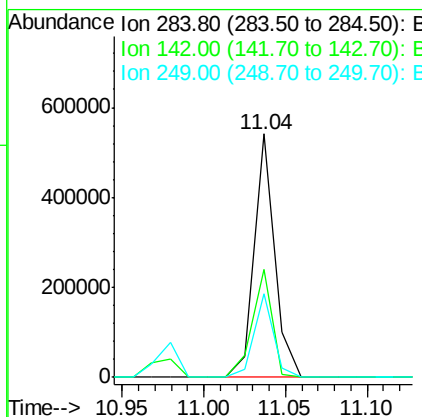
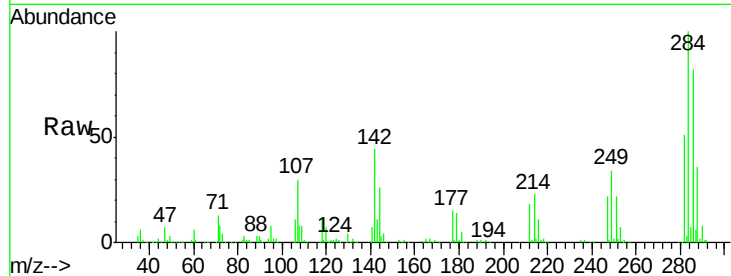
#67
Hexachlorobenzene
Concen: 37.96 ng
RT: 11.04 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Resp	Lower	Upper
284	100	473634		
142	44.5	39.4	59.2	
249	34.3	27.8	41.6	

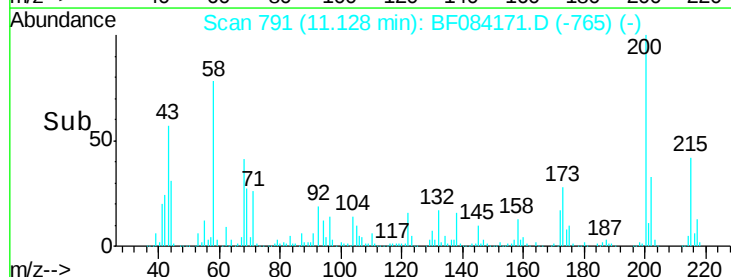
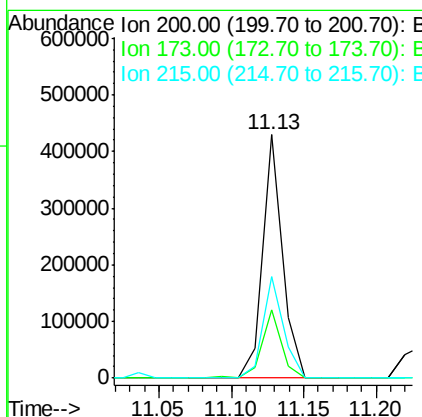
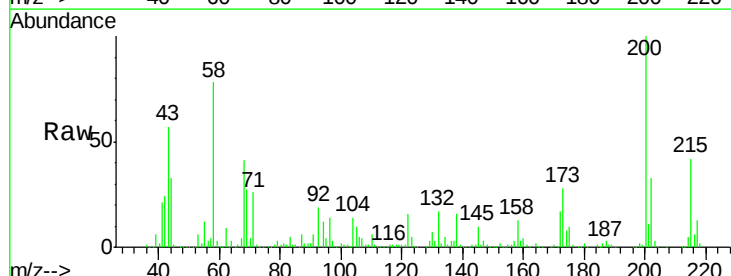
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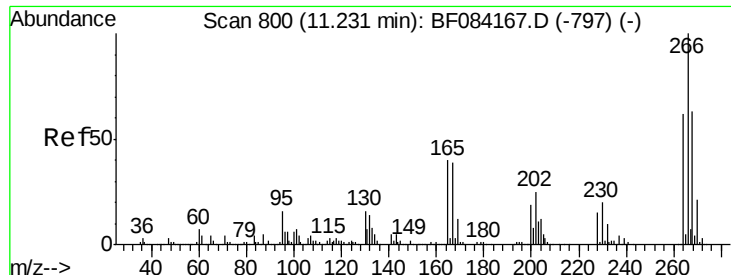
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#68
Atrazine
Concen: 36.26 ng
RT: 11.13 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	406552		
173	28.0	8.5	48.5	
215	41.9	22.7	62.7	





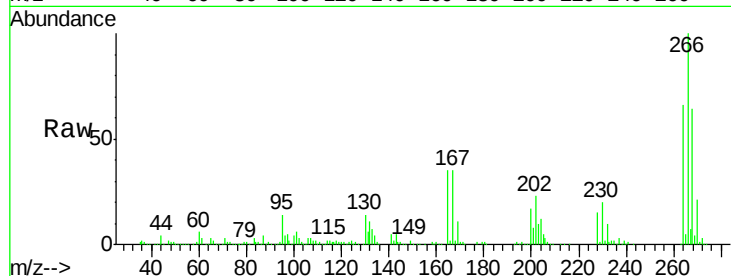
#69
 Pentachlorophenol
 Concen: 43.52 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

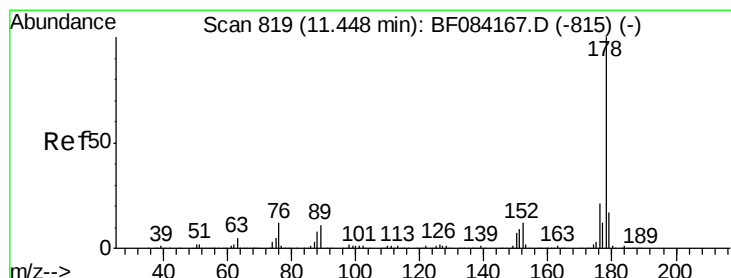
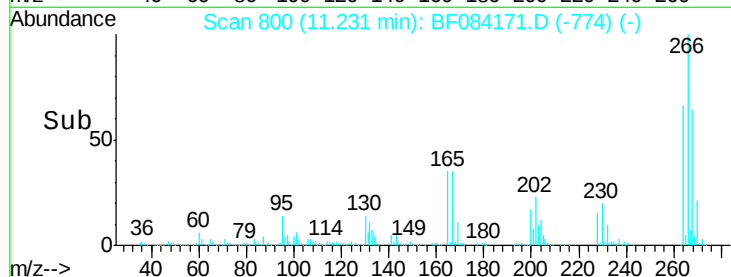
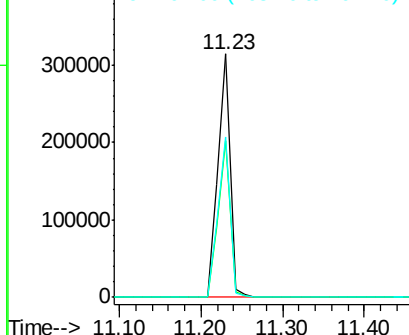
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.7	76.1
264	65.8	49.9	74.9

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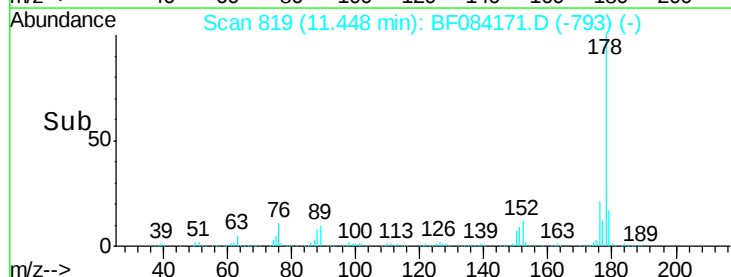
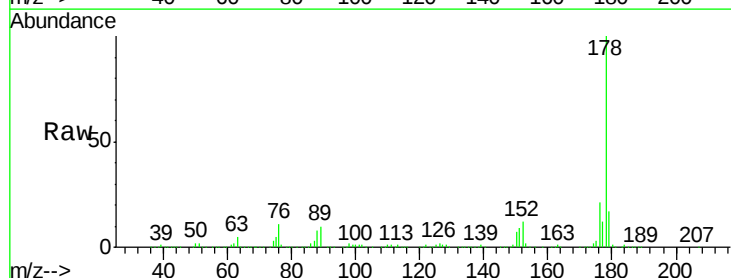
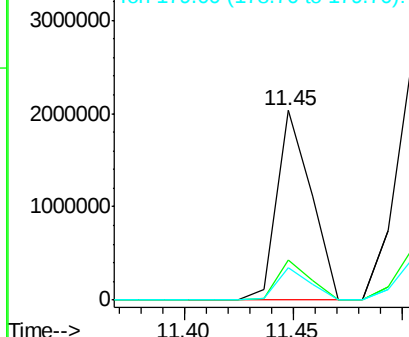
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

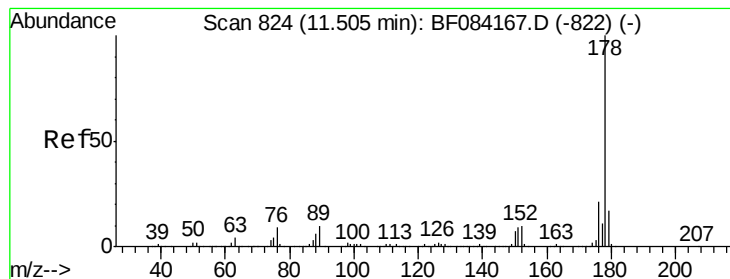


#70
 Phenanthrene
 Concen: 37.15 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.6	25.0
179	17.0	13.4	20.0

Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 42.68 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:178 Resp: 2365158

Ion Ratio Lower Upper

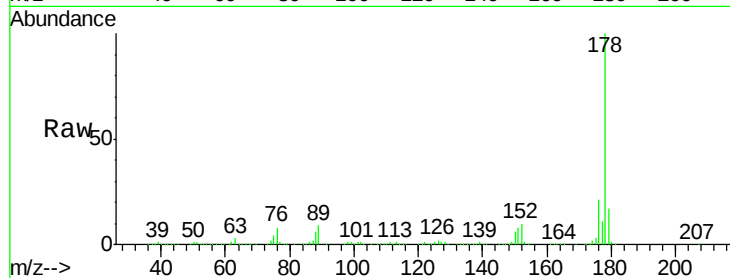
178 100

176 21.5 17.1 25.7

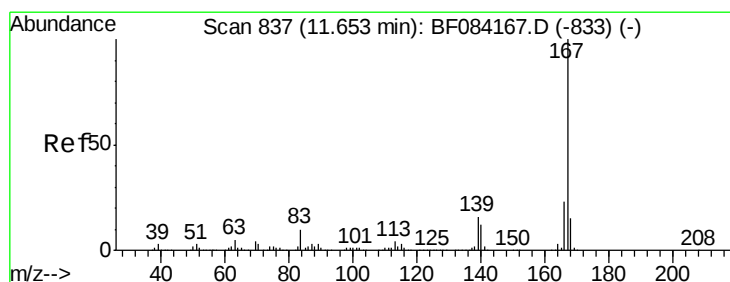
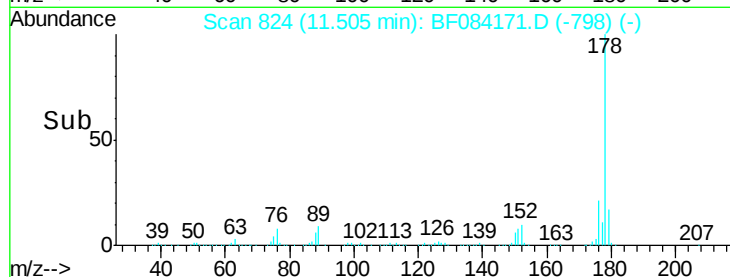
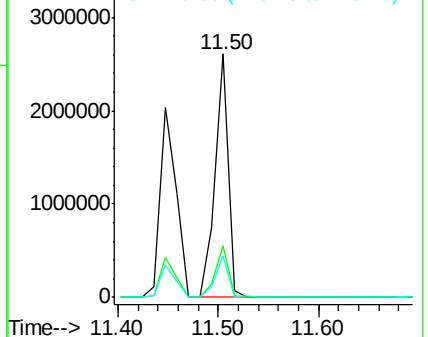
179 17.3 13.9 20.9

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 37.06 ng

RT: 11.65 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

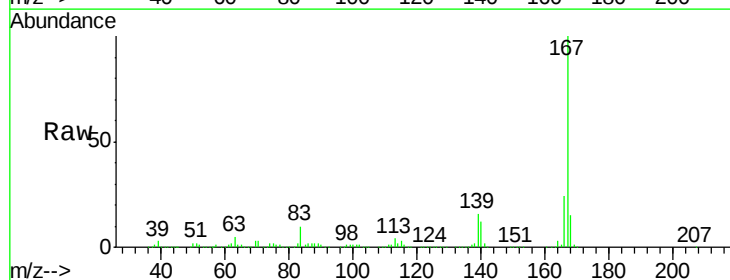
Tgt Ion:167 Resp: 1954319

Ion Ratio Lower Upper

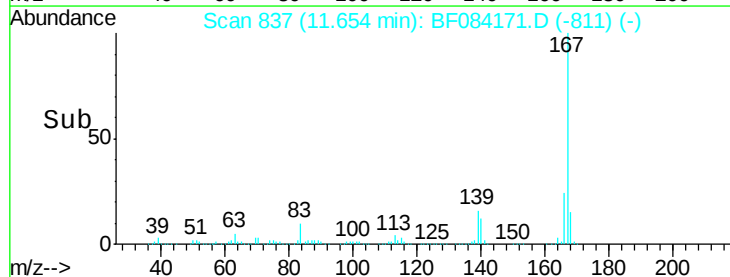
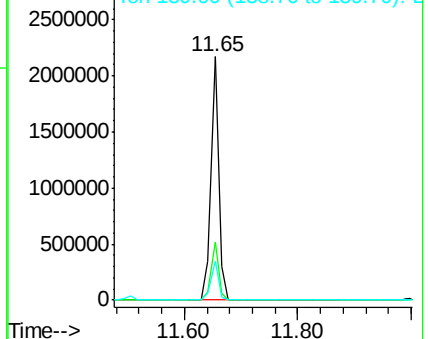
167 100

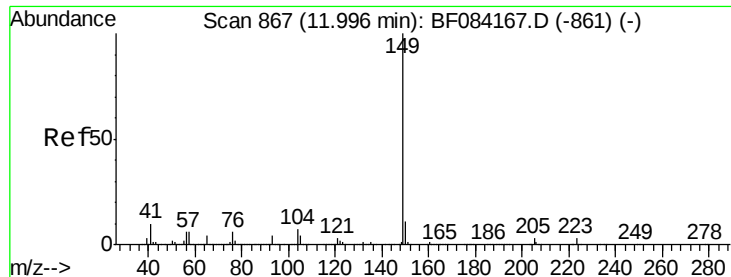
166 23.6 18.6 28.0

139 15.9 13.0 19.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 44.24 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:149 Resp: 2600022

Ion Ratio Lower Upper

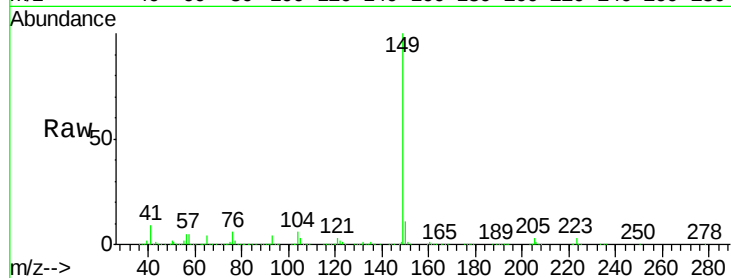
149 100

150 10.8 8.5 12.7

104 5.9 5.2 7.8

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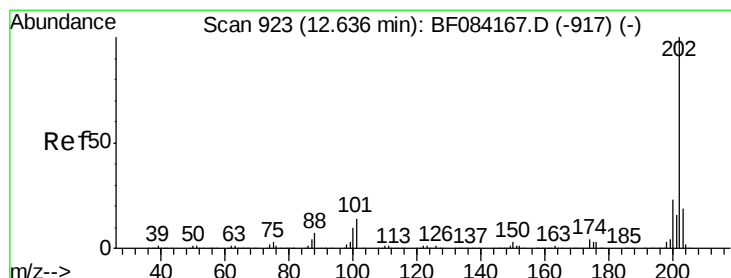
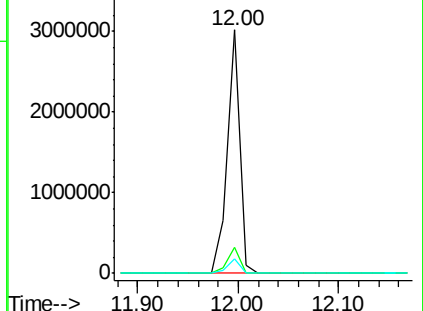
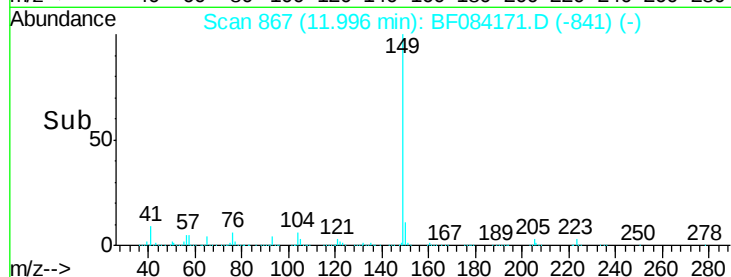
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.99 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

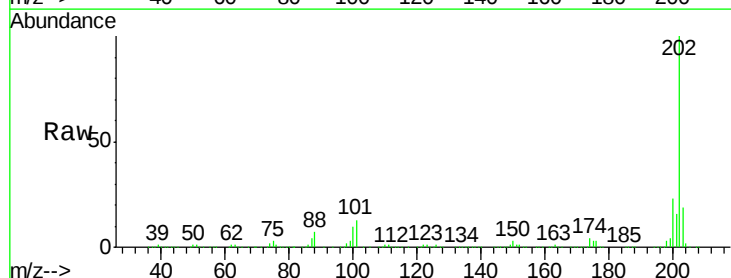
Tgt Ion:202 Resp: 2200064

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.0

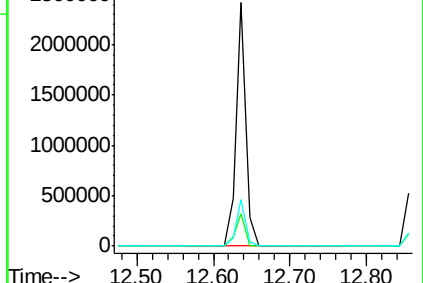
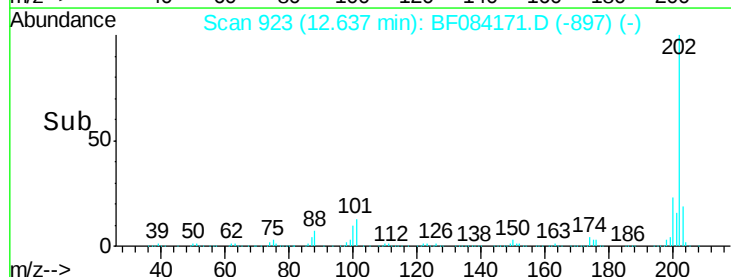
203 19.3 0.0 39.2

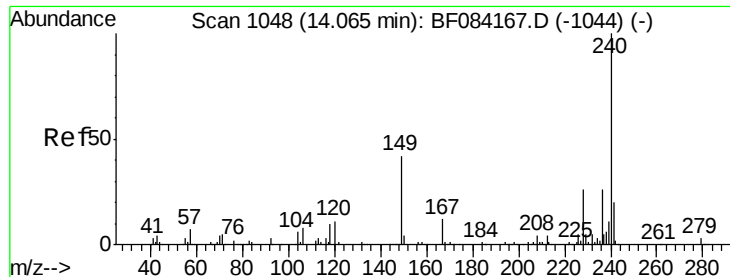


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

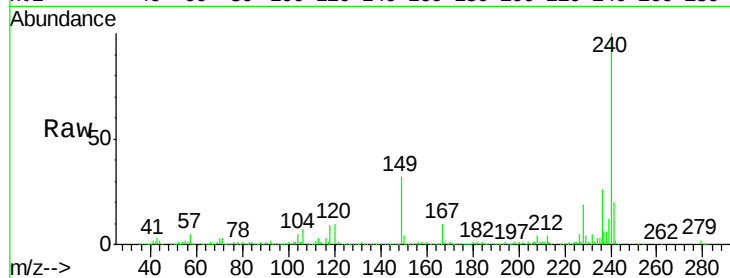
ClientSampleId :

ICVBF123015

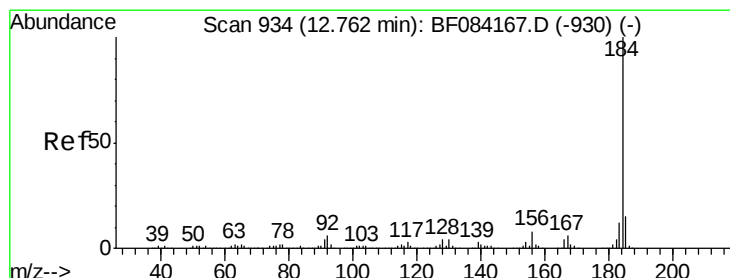
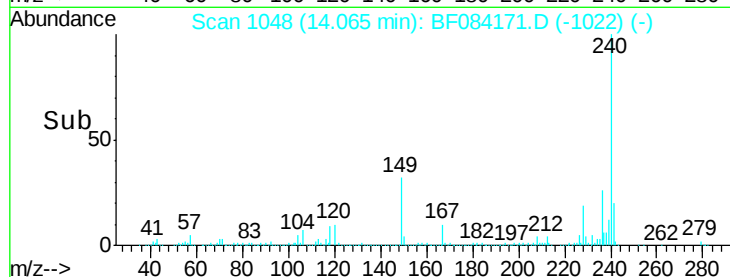
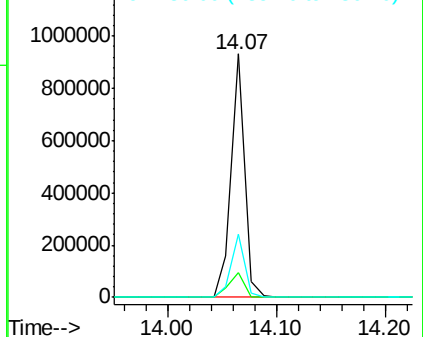
Tot Ion:	240	Resp:	799016
Ion Ratio		Lower	Upper
240	100		
120	10.0	8.8	13.2
236	25.7	20.8	31.2

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 39.10 ng

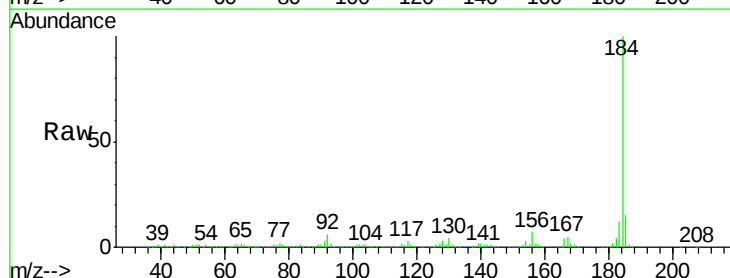
RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

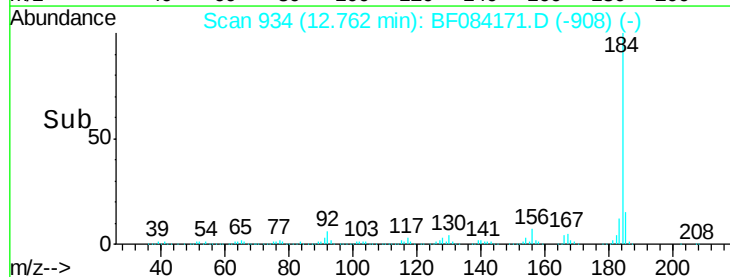
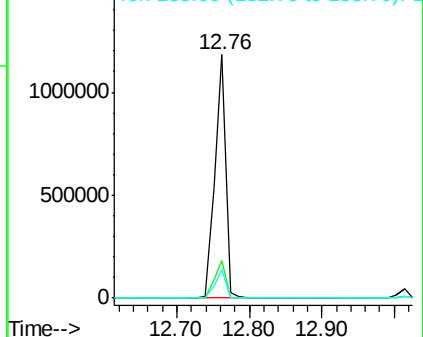
Lab File: BF084171.D

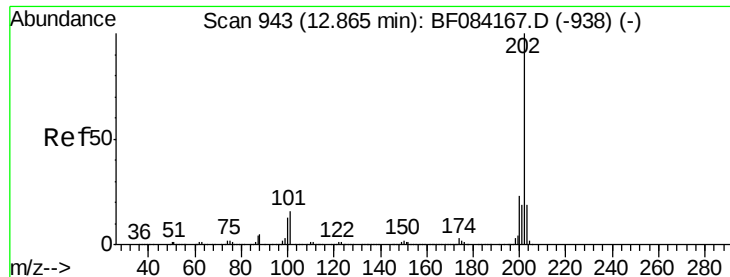
Acq: 31 Dec 2015 2:44

Tgt Ion:	184	Resp:	1221784
Ion Ratio		Lower	Upper
184	100		
185	15.3	11.9	17.9
183	11.7	9.5	14.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 37.29 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Tot Ion:202 Resp: 2252768

Ion Ratio Lower Upper

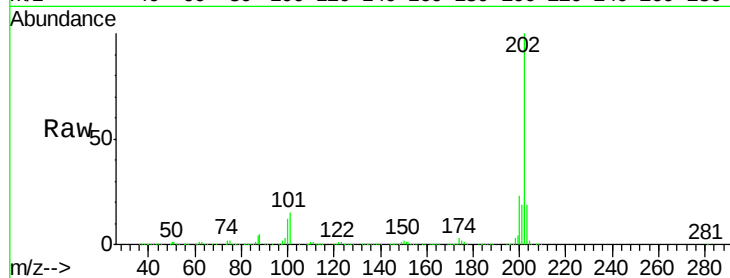
202 100

200 23.4 18.7 28.1

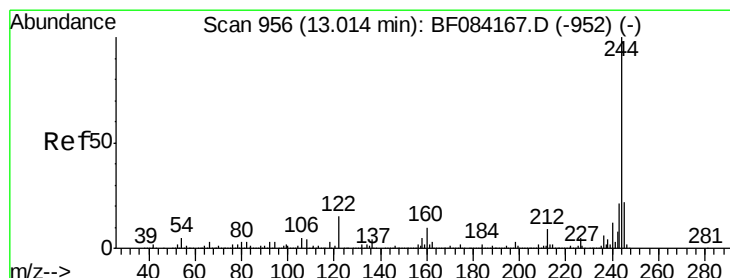
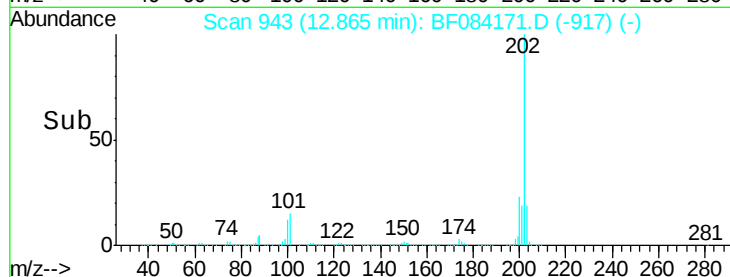
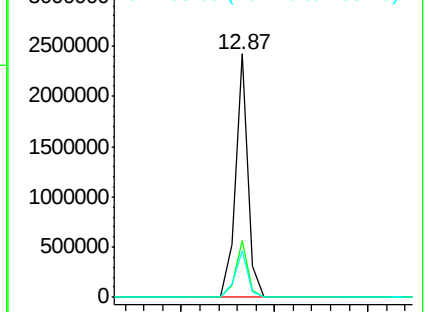
203 19.2 15.2 22.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.64 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

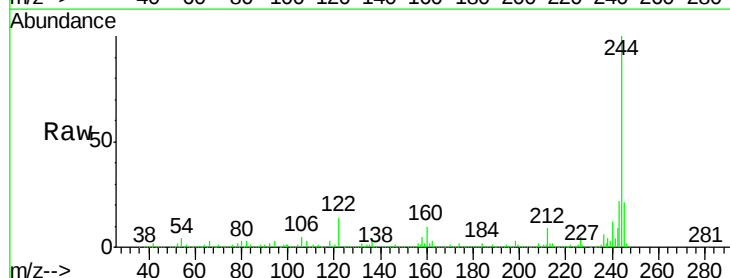
Tgt Ion:244 Resp: 2430272

Ion Ratio Lower Upper

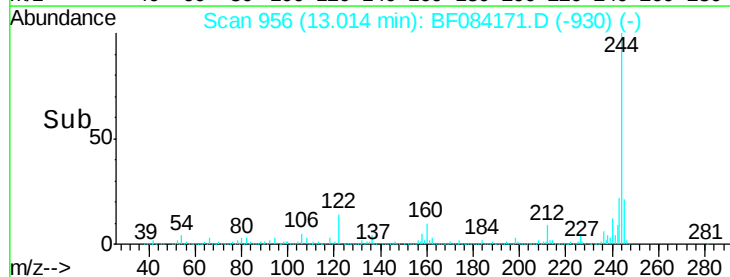
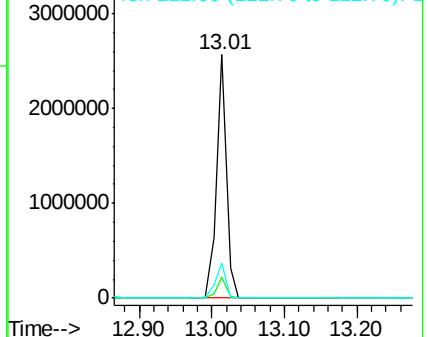
244 100

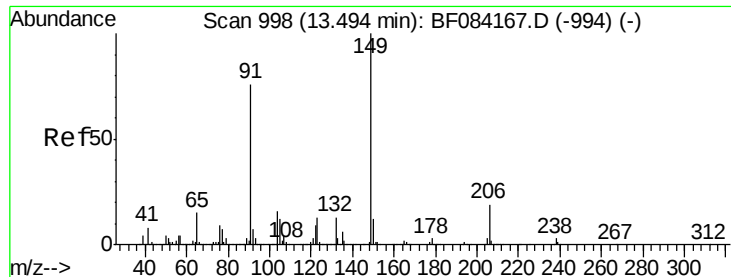
212 8.5 7.0 10.4

122 14.5 11.9 17.9



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





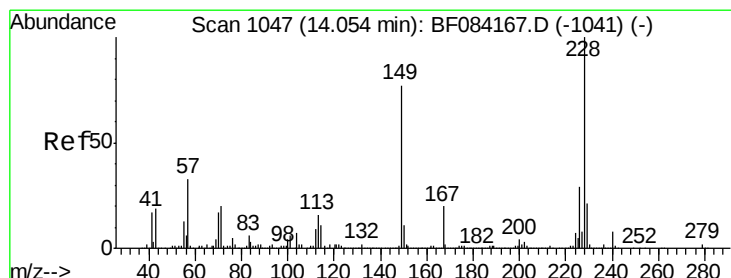
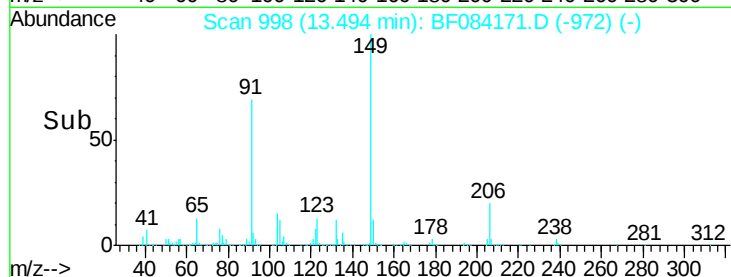
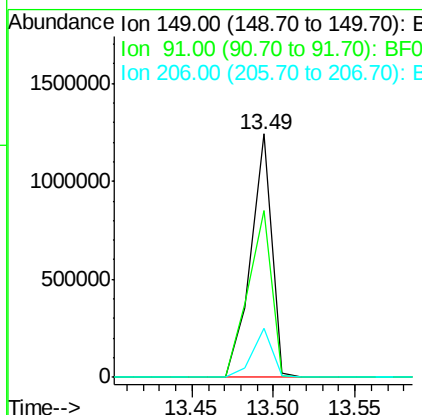
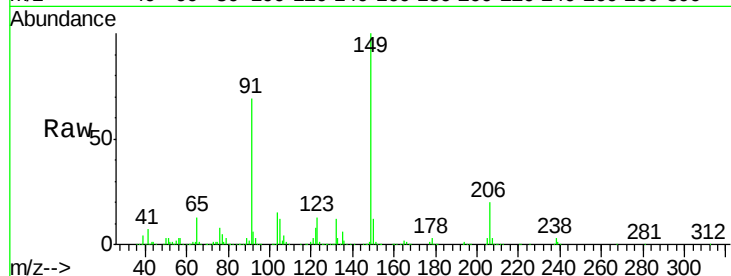
#79
Butylbenzylphthalate
Concen: 42.45 ng
RT: 13.49 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.7	61.1	91.7
206	20.0	15.3	22.9

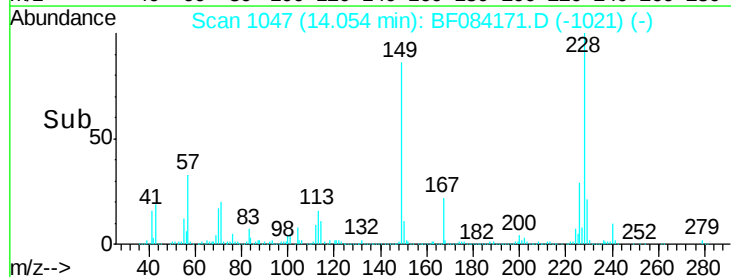
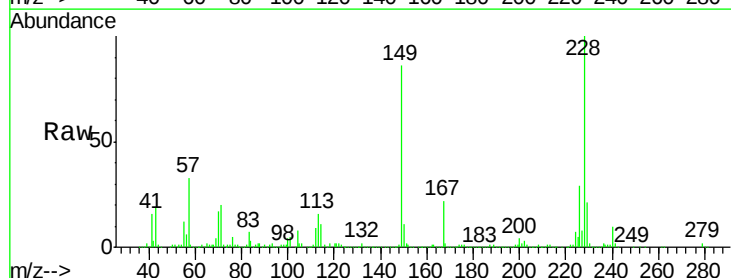
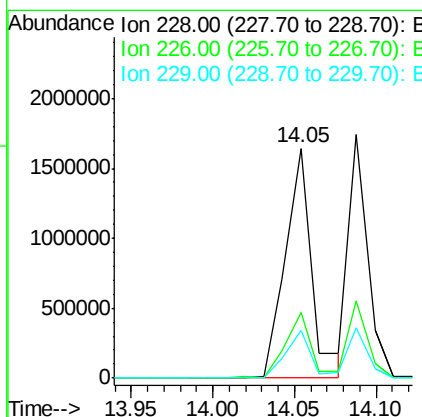
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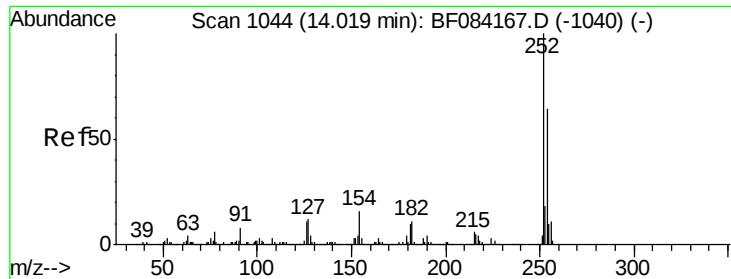
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#80
Benzo(a)anthracene
Concen: 40.66 ng
RT: 14.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.1	34.7
229	20.8	16.6	25.0





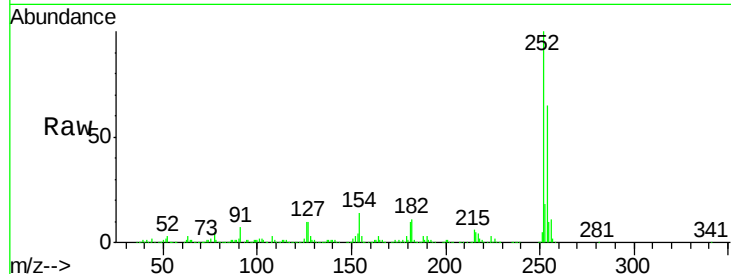
#81
 3,3'-Dichlorobenzidine
 Concen: 40.92 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

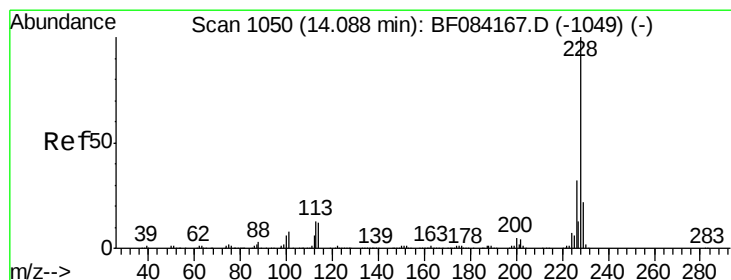
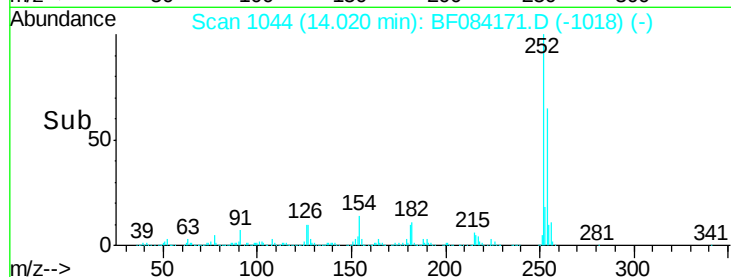
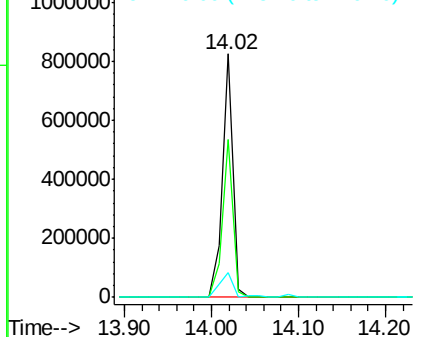
Tot Ion	Ratio	Resp	Lower	Upper
252	100	712390		
254	65.0	51.4	77.0	
126	10.2	9.0	13.6	

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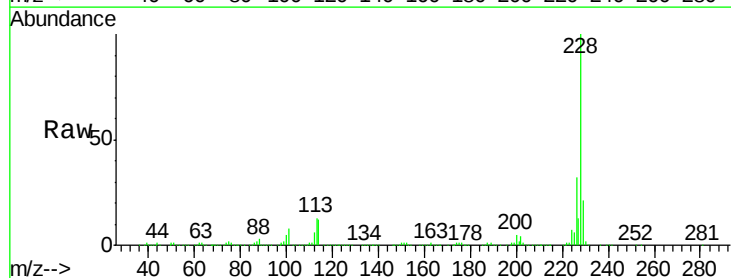


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

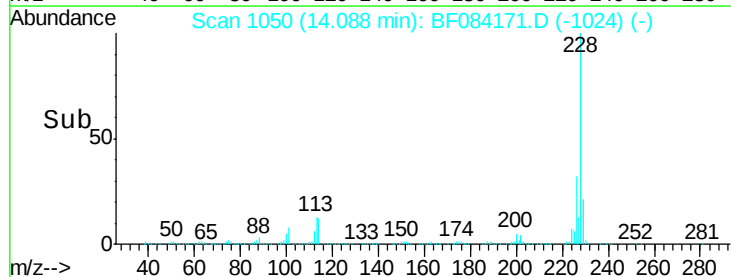
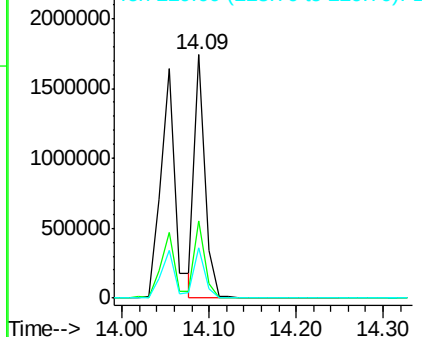


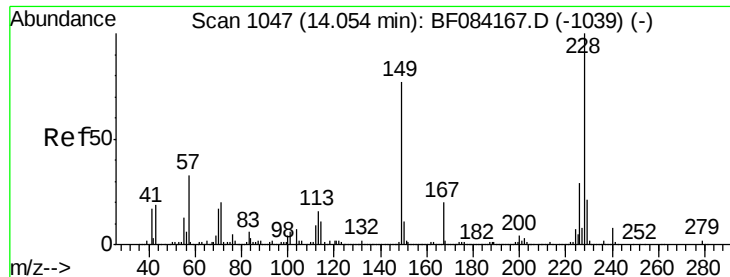
#82
 Chrysene
 Concen: 34.27 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1456612		
226	31.9	25.4	38.2	
229	20.9	17.4	26.2	



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





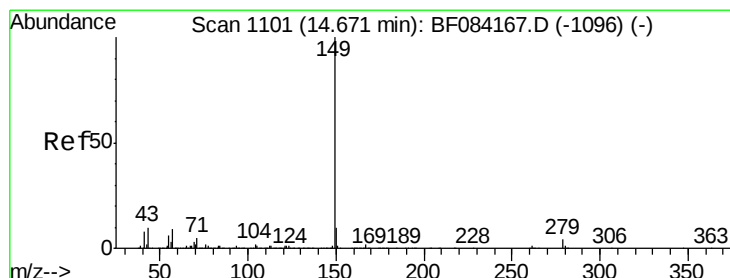
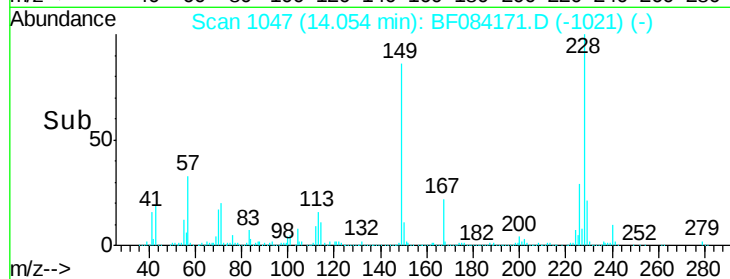
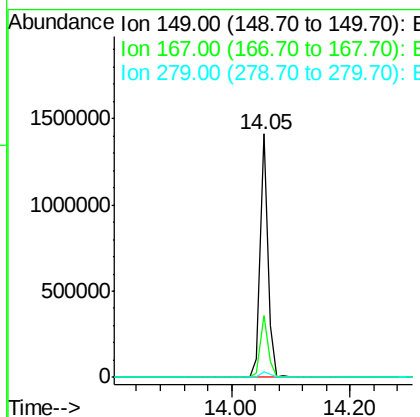
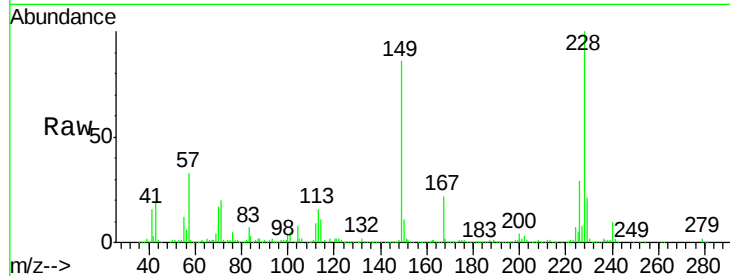
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.44 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF123015

Tot Ion:149 Resp: 1263353
 Ion Ratio Lower Upper
 149 100
 167 25.6 20.6 30.8
 279 2.2 1.6 2.4

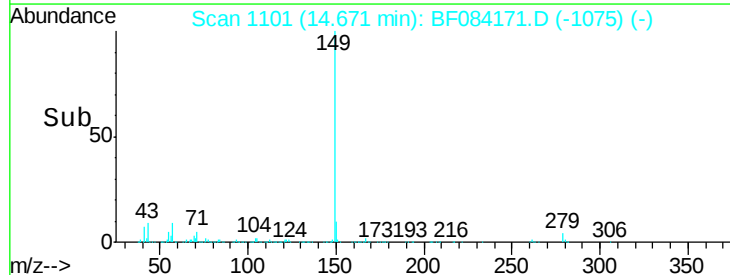
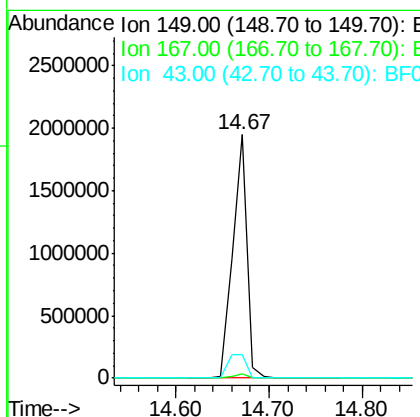
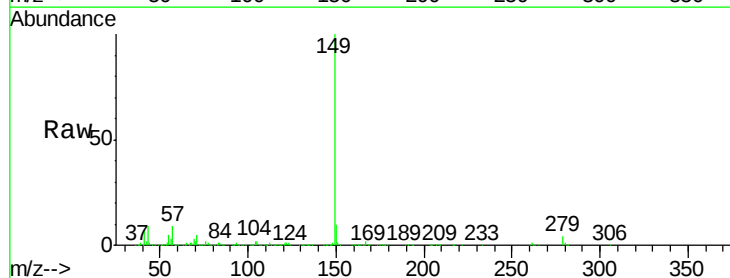
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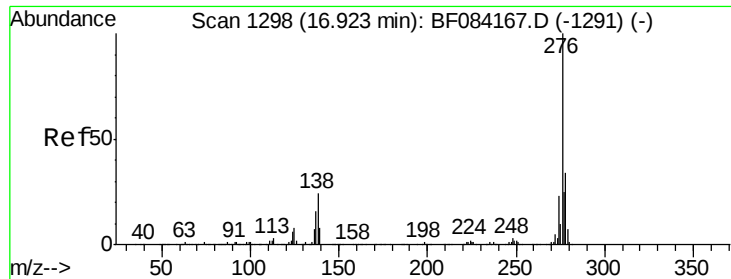
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#84
 Di-n-octyl phthalate
 Concen: 39.93 ng
 RT: 14.67 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: BF084171.D
 Acq: 31 Dec 2015 2:44

Tgt Ion:149 Resp: 2063242
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 12.5 10.5 15.7





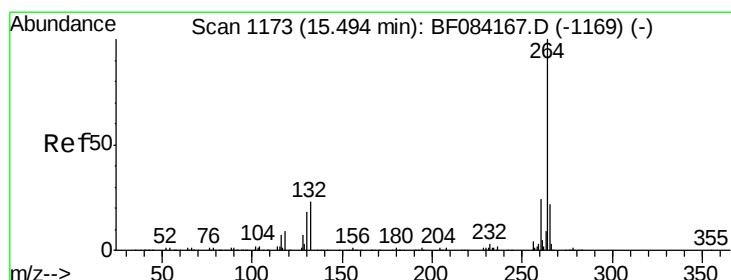
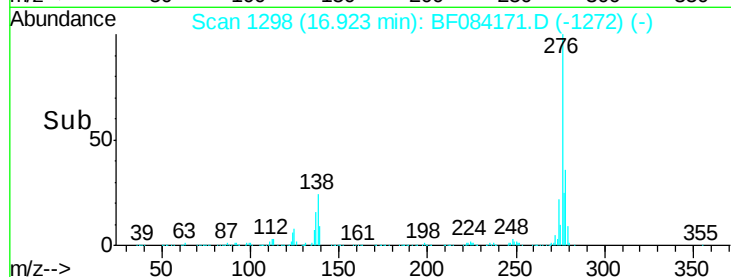
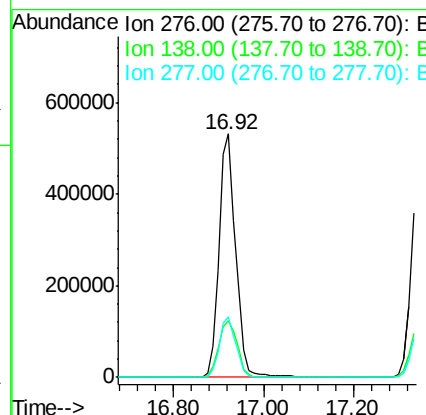
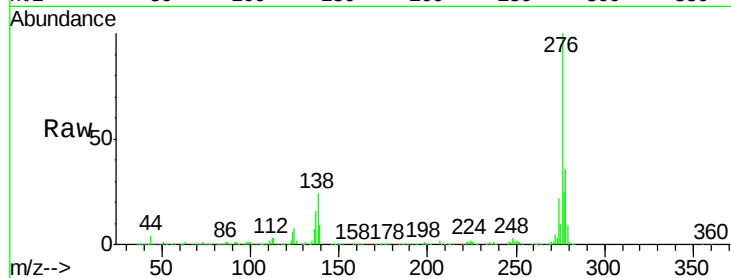
#85
Indeno(1,2,3-cd)pyrene
Concen: 38.75 ng
RT: 16.92 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.8	32.6
277	25.0	19.7	29.5

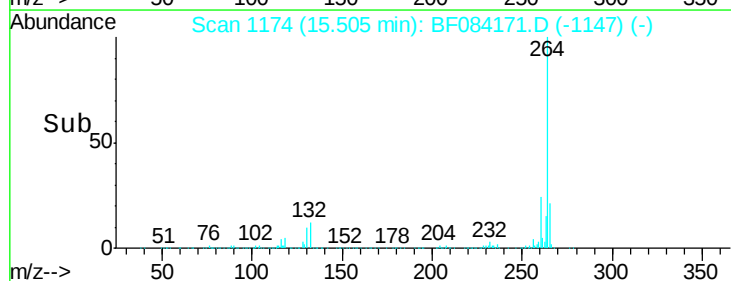
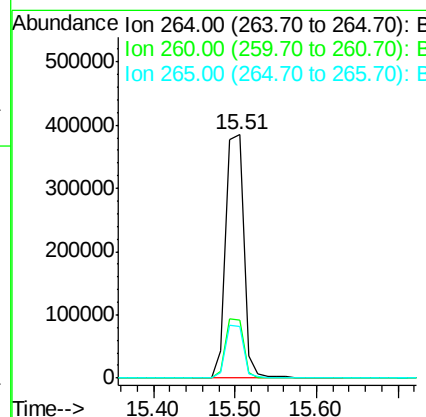
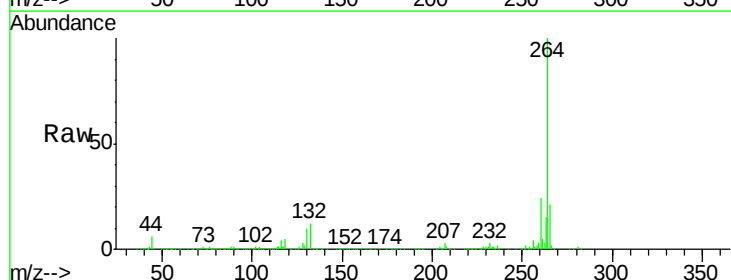
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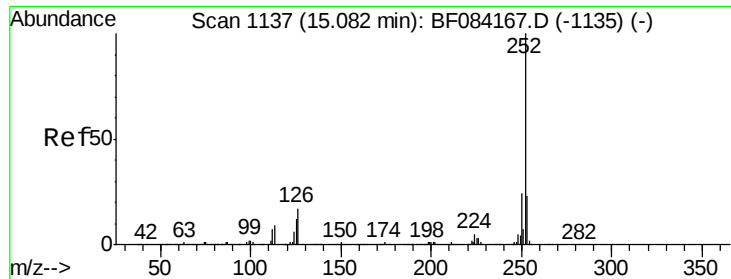
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.1	18.0	27.0





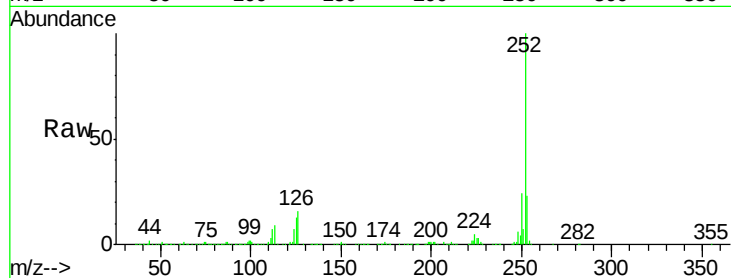
#87
Benzo(b)fluoranthene
Concen: 44.26 ng m
RT: 15.08 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

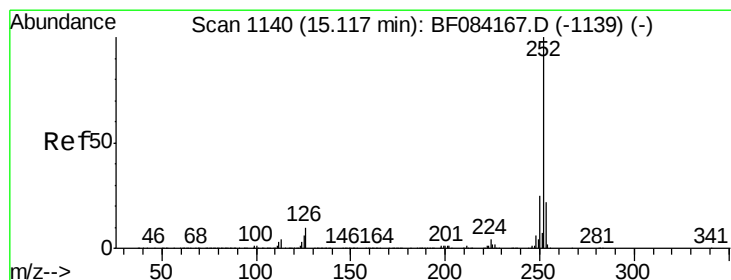
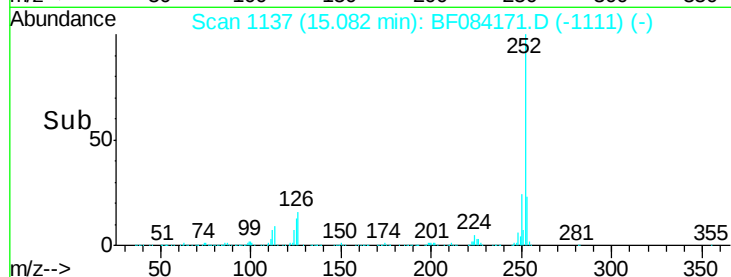
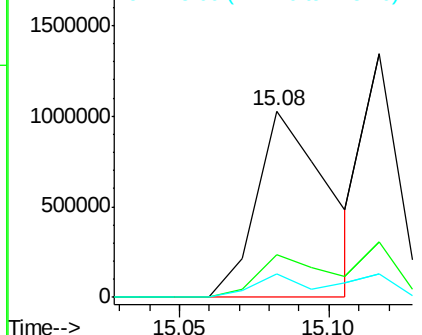
Tot Ion:252 Resp: 1700575
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 12.5 9.8 14.6

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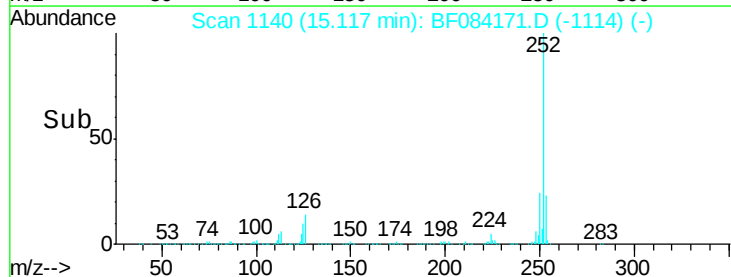
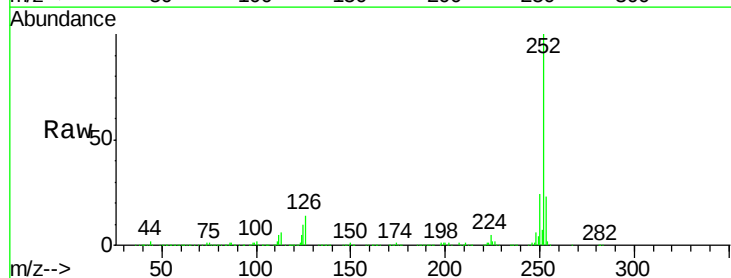
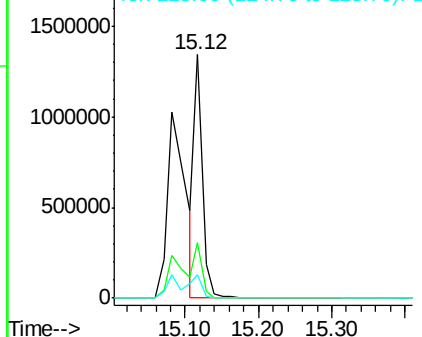
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

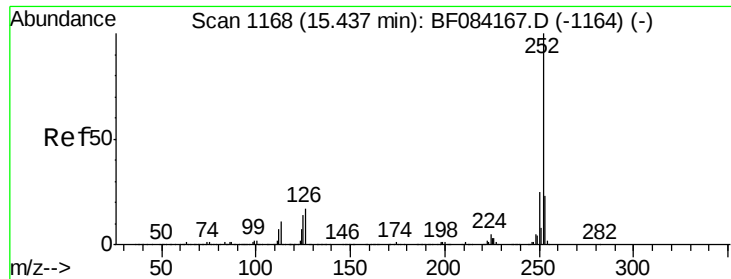


#88
Benzo(k)fluoranthene
Concen: 34.29 ng m
RT: 15.12 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Tgt Ion:252 Resp: 1099150
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 9.7 8.2 12.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





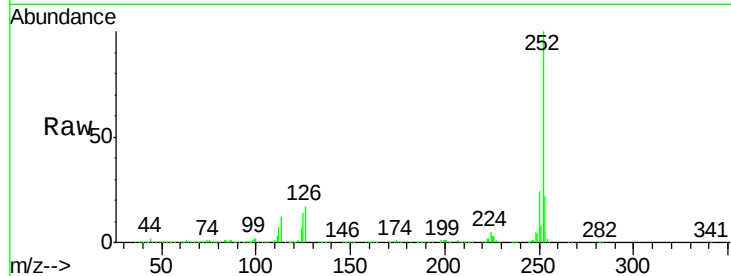
#89
Benzo(a)pyrene
Concen: 39.97 ng
RT: 15.44 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

Instrument :
BNA_F
ClientSampleId :
ICVBF123015

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	14.1	11.1	16.7

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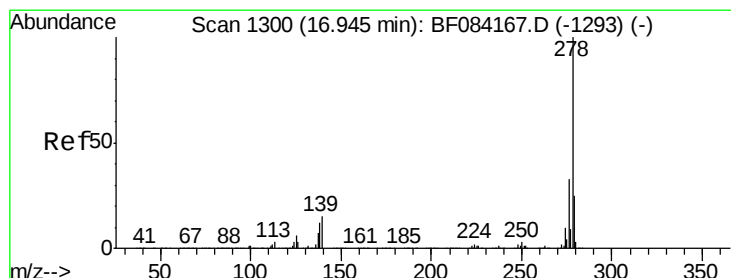
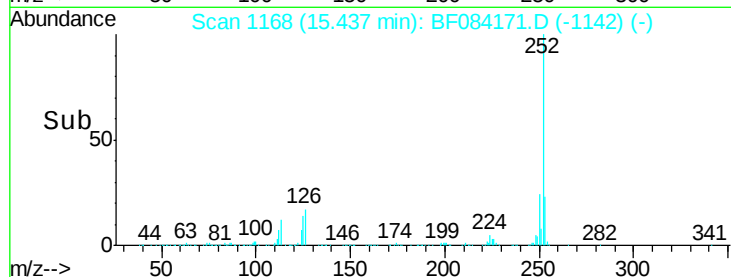
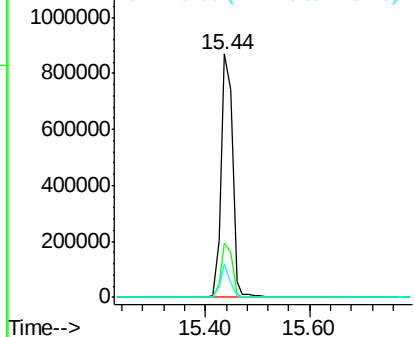


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 41.57 ng
RT: 16.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF084171.D
Acq: 31 Dec 2015 2:44

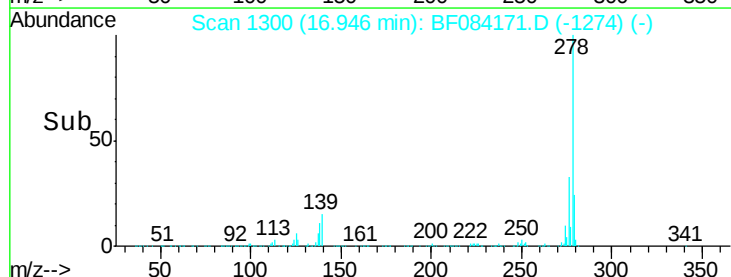
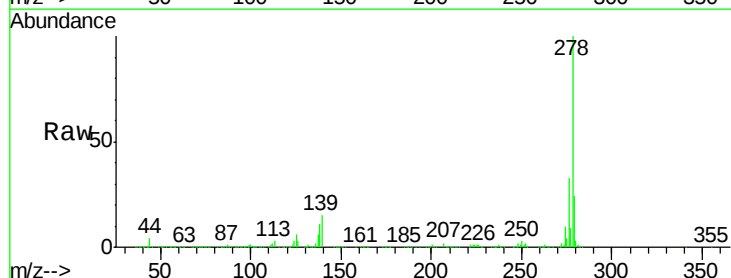
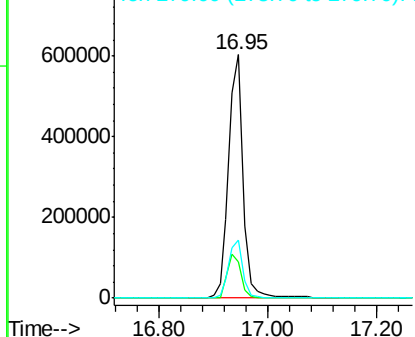
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.9	17.9
279	23.8	19.7	29.5

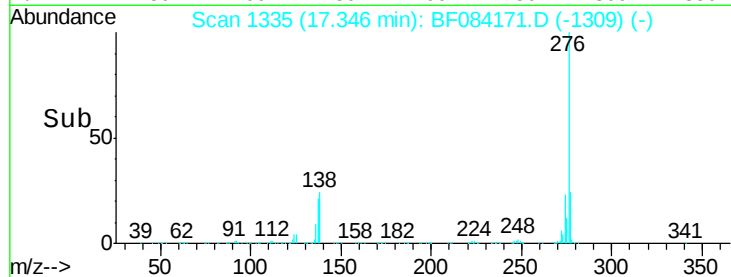
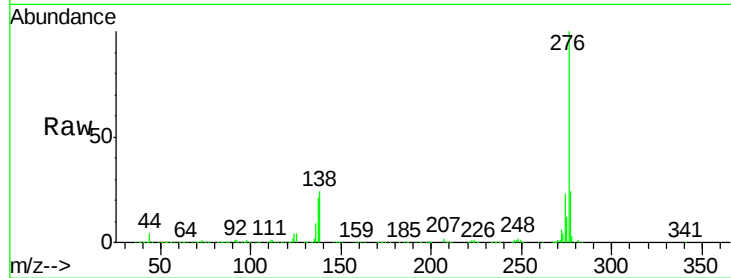
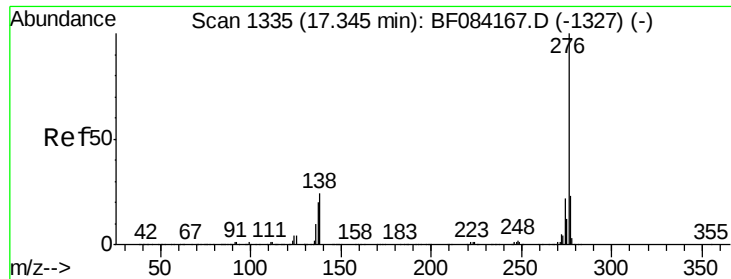
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 40.80 ng

RT: 17.35 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF084171.D

Acq: 31 Dec 2015 2:44

Tot Ion:	276	Resp:	1136229
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.7	28.1
138	23.6	19.4	29.2

Instrument :

BNA_F

ClientSampleId :

ICVBF123015

Manual Integrations
APPROVED

Sohil
12/31/2015 6:41:34 PM

