

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086294.D
 Acq On : 18 Apr 2016 21:03
 Operator : UM/SJ
 Sample : H2413-11MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Manual Integrations
 APPROVED

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 4/19/2016 6:25:16 PM

Quant Time: Apr 19 02:27:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	297637	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1169455	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	468175	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	724220	20.00	ng	0.00
75) Chrysene-d12	14.05	240	432173	20.00	ng	0.00
86) Perylene-d12	15.48	264	420775	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1895236	104.33	ng	0.01
7) Phenol-d6	6.52	99	2314191	101.85	ng	0.00
23) Nitrobenzene-d5	7.46	82	1632196	80.50	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	376402	100.12	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1820989	71.77	ng	-0.01
78) Terphenyl-d14	13.00	244	1381670	80.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	324170	32.36	ng	97
3) Pyridine	3.32	79	980183	37.52	ng	98
4) n-Nitrosodimethylamine	3.26	42	387273	41.03	ng	# 73
6) Aniline	6.56	93	636779	19.44	ng	95
8) 2-Chlorophenol	6.67	128	721803	35.12	ng	98
9) Benzaldehyde	6.43	77	262975	16.31	ng	89
10) Phenol	6.53	94	803819	29.71	ng	91
11) bis(2-Chloroethyl)ether	6.62	93	737166	36.21	ng	84
12) 1,3-Dichlorobenzene	6.83	146	775570	35.57	ng	96
13) 1,4-Dichlorobenzene	6.91	146	812383	39.11	ng	97
14) 1,2-Dichlorobenzene	7.06	146	703278m	38.14	ng	
15) Benzyl Alcohol	7.04	79	671723	41.67	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1169460	36.87	ng	99
17) 2-Methylphenol	7.15	107	696843	40.70	ng	94
18) Hexachloroethane	7.40	117	245104	31.28	ng	# 86
19) n-Nitroso-di-n-propylamine	7.31	70	536828	36.92	ng	# 90
20) 3+4-Methylphenols	7.30	107	646177	33.69	ng	# 86
22) Acetophenone	7.30	105	891397	39.80	ng	# 83
24) Nitrobenzene	7.47	77	780508	35.21	ng	92
25) Isophorone	7.72	82	1553333	38.61	ng	95
26) 2-Nitrophenol	7.79	139	356124	36.84	ng	# 85
27) 2,4-Dimethylphenol	7.84	122	725237	37.15	ng	97
28) bis(2-Chloroethoxy)methane	7.93	93	953629	40.32	ng	99
29) 2,4-Dichlorophenol	8.03	162	574432	38.71	ng	99
30) 1,2,4-Trichlorobenzene	8.12	180	613765	39.52	ng	98
31) Naphthalene	8.20	128	2133673	40.86	ng	99
32) Benzoic acid	7.89	122	50970	4.08	ng	97
33) 4-Chloroaniline	8.25	127	344634	14.76	ng	# 92
34) Hexachlorobutadiene	8.32	225	281471	36.17	ng	98
35) Caprolactam	8.61	113	216506	40.29	ng	# 70
36) 4-Chloro-3-methylphenol	8.73	107	626320	36.42	ng	95
37) 2-Methylnaphthalene	8.89	142	1222550	36.21	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	489403	50.49	ng	98
40) Hexachlorocyclopentadiene	9.05	237	176901	32.05	ng	98

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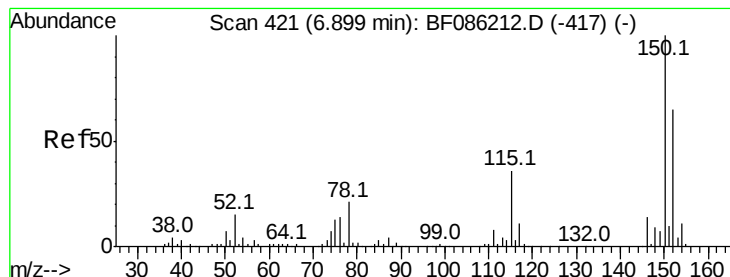
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	381683	41.38	nq	99
43) 2,4,5-Trichlorophenol	9.21	196	360970	40.52	nq	# 90
45) 1,1'-Biphenyl	9.36	154	1426577	42.33	nq	98
46) 2-Chloronaphthalene	9.38	162	1094181	39.76	nq	98
47) 2-Nitroaniline	9.47	65	405463	45.49	nq	93
48) Acenaphthylene	9.79	152	1673117	38.21	nq	99
49) Dimethylphthalate	9.65	163	1604247	47.13	nq	98
50) 2,6-Dinitrotoluene	9.71	165	265418	35.24	nq	# 62
51) Acenaphthene	9.96	154	973919	37.24	nq	99
52) 3-Nitroaniline	9.88	138	322921	35.28	nq	87
53) 2,4-Dinitrophenol	9.98	184	43508	19.07	nq	# 69
54) Dibenzofuran	10.13	168	1396282	40.42	nq	92
55) 4-Nitrophenol	10.04	139	533538	74.51	nq	# 82
56) 2,4-Dinitrotoluene	10.11	165	334442	34.68	nq	# 59
57) Fluorene	10.48	166	883570	36.76	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.25	232	250475	38.71	nq	# 96
59) Diethylphthalate	10.35	149	1350760	38.44	nq	96
60) 4-Chlorophenyl-phenylether	10.48	204	450610	46.06	nq	89
61) 4-Nitroaniline	10.49	138	296193	37.44	nq	91
62) Azobenzene	10.64	77	1418701	41.27	nq	88
64) 4,6-Dinitro-2-methylphenol	10.52	198	44915	13.03	nq	# 57
65) n-Nitrosodiphenylamine	10.59	169	959784	43.27	nq	100
66) 4-Bromophenyl-phenylether	10.96	248	280085	41.50	nq	# 73
67) Hexachlorobenzene	11.02	284	272019	38.46	nq	94
68) Atrazine	11.12	200	263649	38.79	nq	98
69) Pentachlorophenol	11.22	266	305349	71.19	nq	99
70) Phenanthrene	11.44	178	1349210	39.00	nq	100
71) Anthracene	11.49	178	1492803	46.65	nq	98
72) Carbazole	11.64	167	1298135	39.46	nq	99
73) Di-n-butylphthalate	11.97	149	1837050	41.30	nq	99
74) Fluoranthene	12.62	202	1441380	48.90	nq	97
76) Benzidine	12.74	184	672346	40.11	nq	95
77) Pyrene	12.85	202	1424885	42.98	nq	99
79) Butylbenzylphthalate	13.47	149	673495	43.97	nq	# 78
80) Benzo(a)anthracene	14.04	228	1006043	42.41	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	323357	23.51	nq	96
82) Chrysene	14.08	228	1083951	42.85	nq	98
83) Bis(2-ethylhexyl)phthalate	14.03	149	788418	47.67	nq	# 98
84) Di-n-octyl phthalate	14.65	149	1628733	51.09	nq	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	913821	43.95	nq	96
87) Benzo(b)fluoranthene	15.07	252	1054256m	40.61	nq	
88) Benzo(k)fluoranthene	15.09	252	870018m	36.76	nq	
89) Benzo(a)pyrene	15.43	252	914066	40.65	nq	98
90) Dibenzo(a,h)anthracene	16.91	278	767219	38.61	nq	96
91) Benzo(g,h,i)perylene	17.32	276	763842	36.15	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

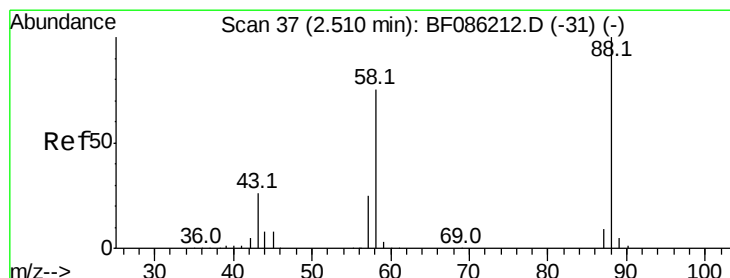
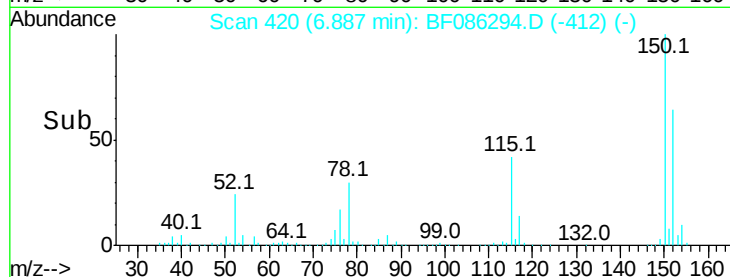
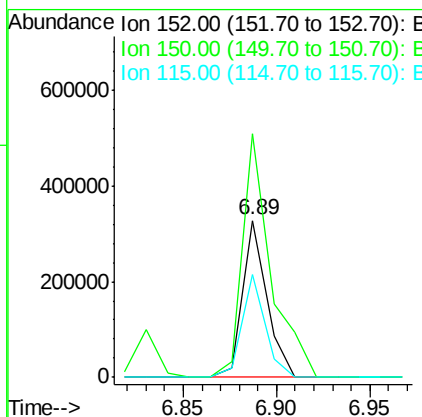
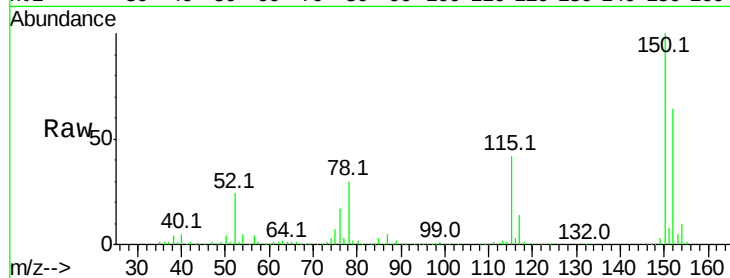
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	152	Resp:	297637
Ion Ratio	Lower	Upper	
152	100		
150	155.5	124.1	186.1
115	65.5	43.9	65.9

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#2

1,4-Dioxane

Concen: 32.36 ng

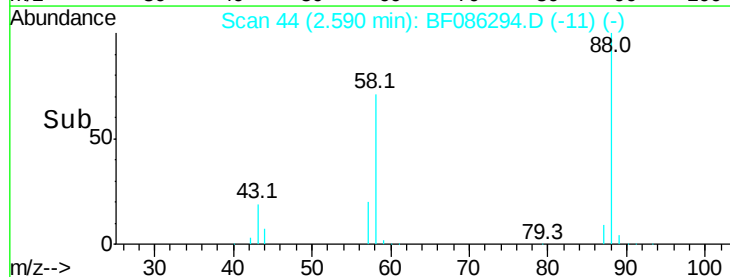
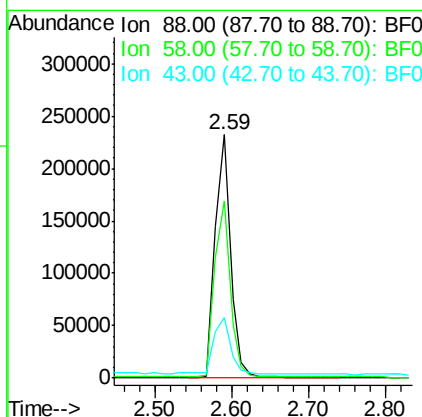
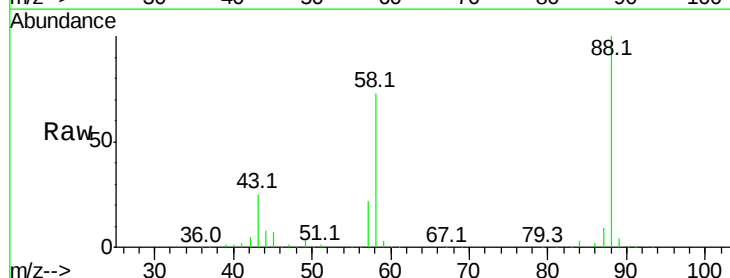
RT: 2.59 min Scan# 44

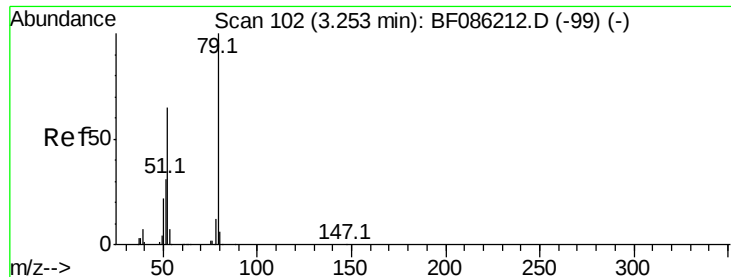
Delta R.T. 0.08 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	88	Resp:	324170
Ion Ratio	Lower	Upper	
88	100		
58	73.8	58.4	87.6
43	25.5	23.3	34.9





#3

Pvridine

Concen: 37.52 ng

RT: 3.32 min Scan# 108

Delta R.T. 0.07 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

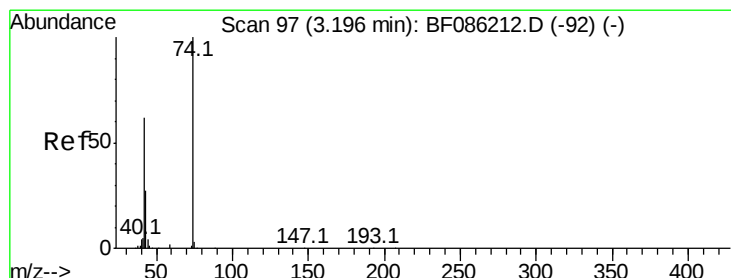
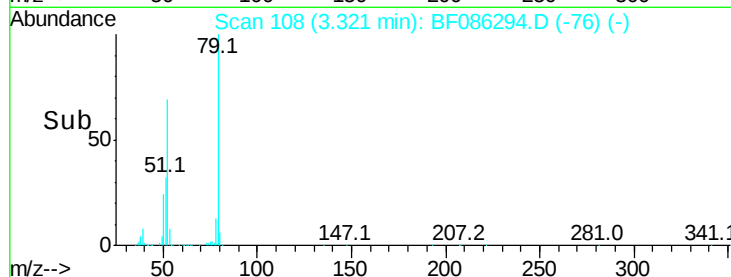
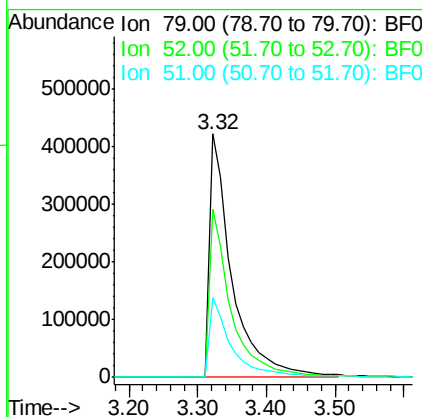
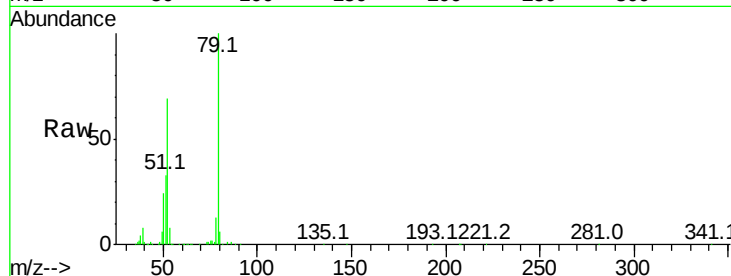
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	79	Resp:	980183
Ion Ratio	Lower	Upper	
79	100		
52	69.2	55.4	83.2
51	32.5	28.1	42.1

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#4

n-Nitrosodimethylamine

Concen: 41.03 ng

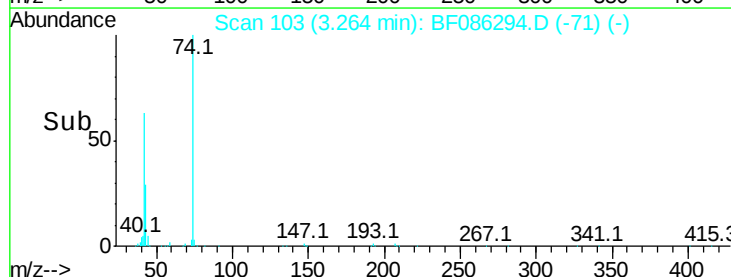
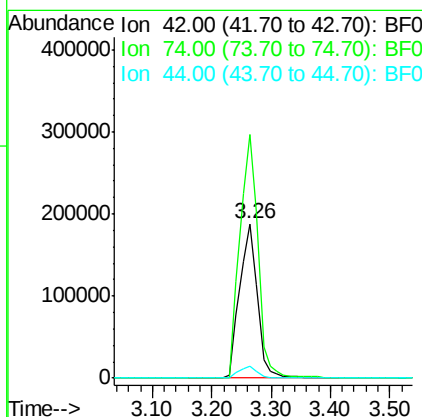
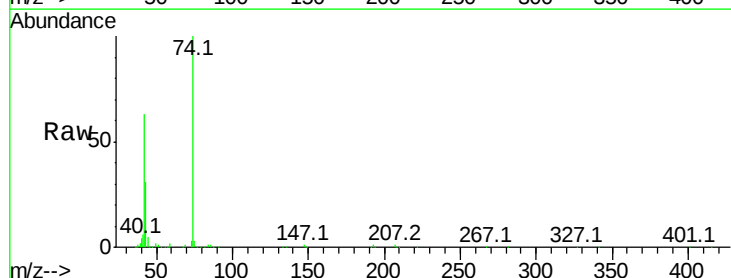
RT: 3.26 min Scan# 103

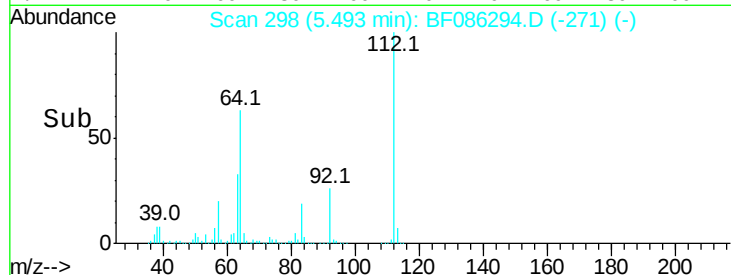
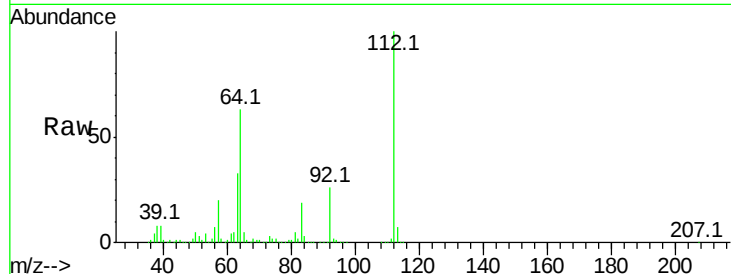
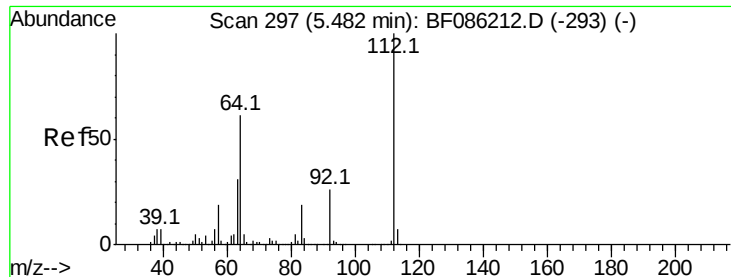
Delta R.T. 0.07 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	42	Resp:	387273
Ion Ratio	Lower	Upper	
42	100		
74	157.8	100.5	150.7#
44	7.8	5.4	8.0





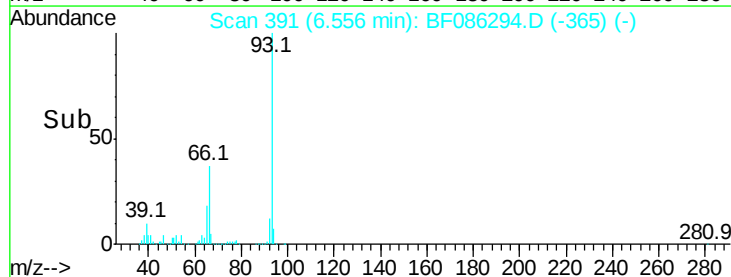
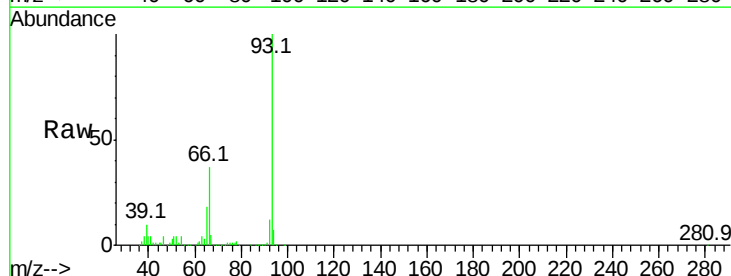
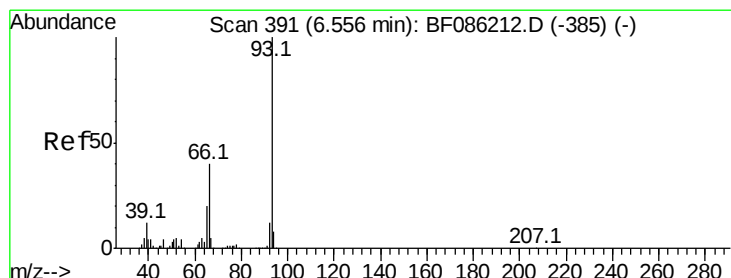
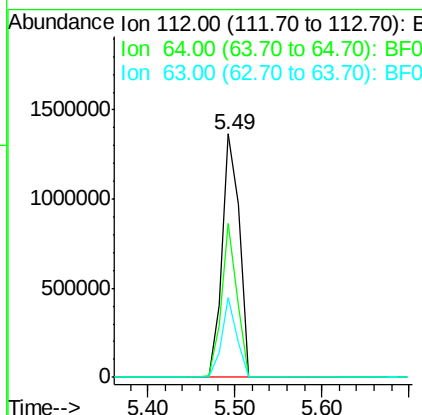
#5
2-Fluorophenol
Concen: 104.33 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tot Ion	Ratio	Resp	Lower	Upper
112	100	1895236		
64	63.1		48.1	72.1
63	32.5		25.5	38.3

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

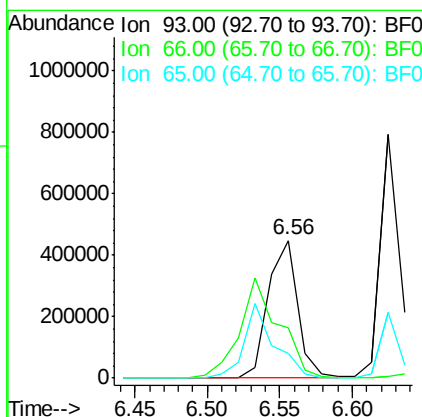
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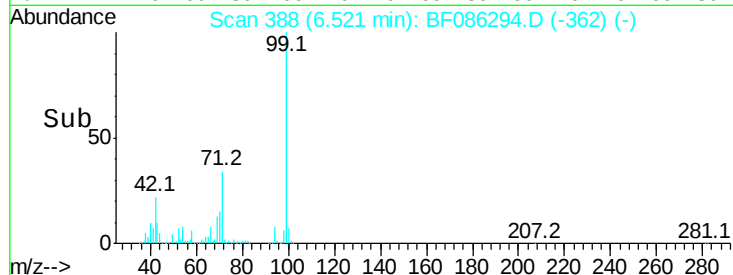
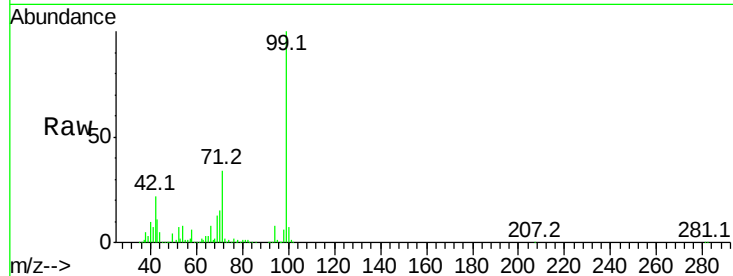
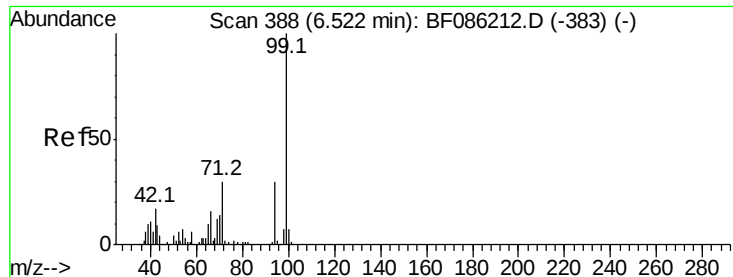
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#6
Aniline
Concen: 19.44 ng
RT: 6.56 min Scan# 391
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	636779		
66	36.8		32.2	48.2
65	18.1		16.4	24.6





#7

Phenol-d6

Concen: 101.85 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tot Ion: 99 Resp: 2314191

Ion Ratio Lower Upper

99 100

42 21.6 15.4 23.2

71 34.1 25.6 38.4

Instrument :

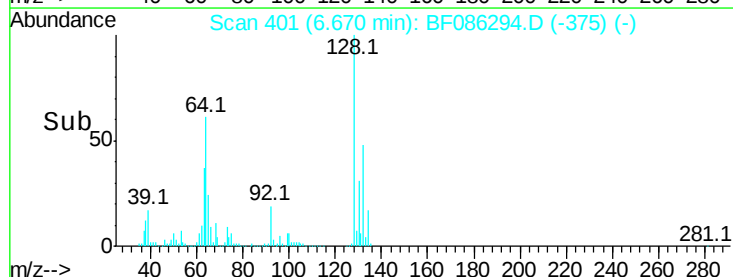
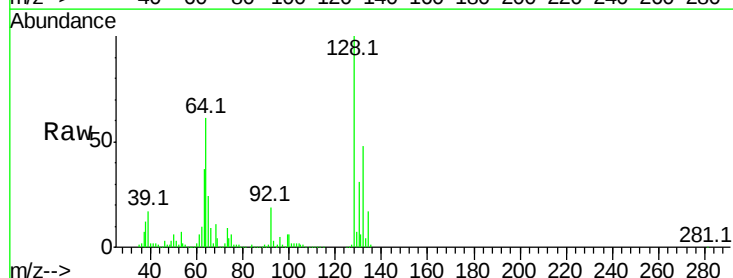
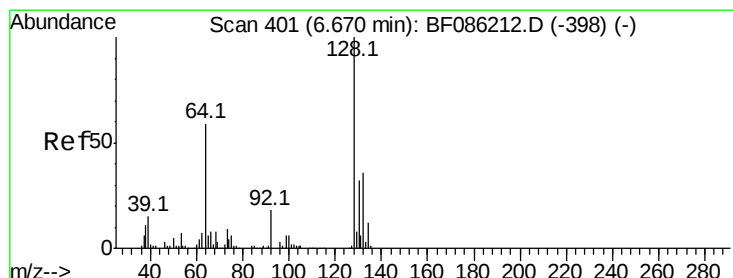
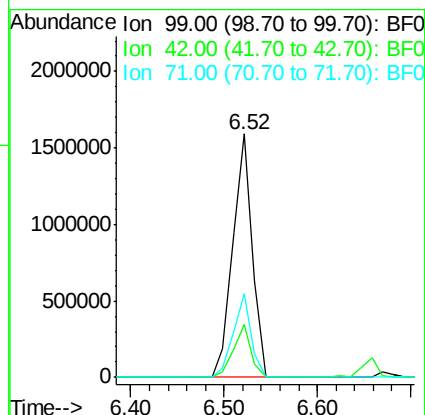
BNA_F

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SP-1-A(0-2)MSD

Manual Integrations
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#8

2-Chlorophenol

Concen: 35.12 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

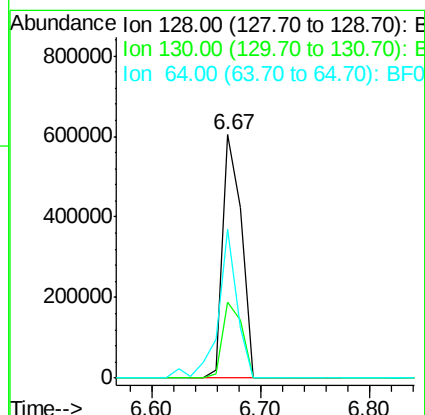
Tgt Ion:128 Resp: 721803

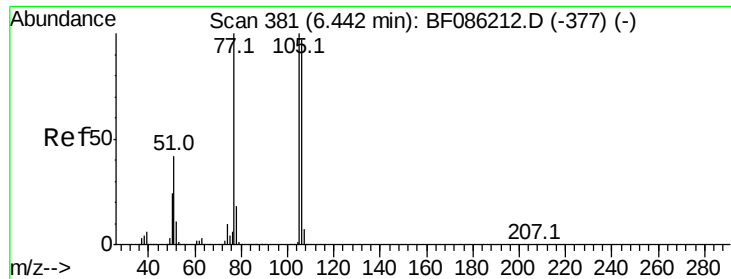
Ion Ratio Lower Upper

128 100

130 31.3 11.8 51.8

64 61.3 39.5 79.5





#9

Benzaldehyde

Concen: 16.31 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

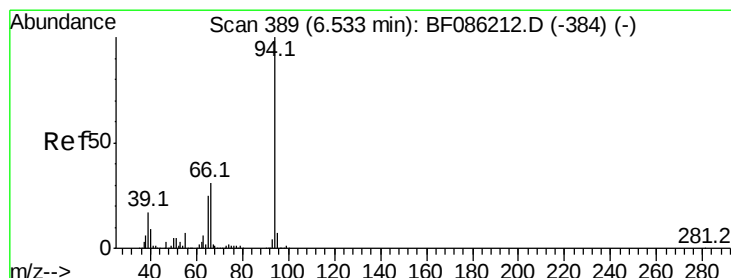
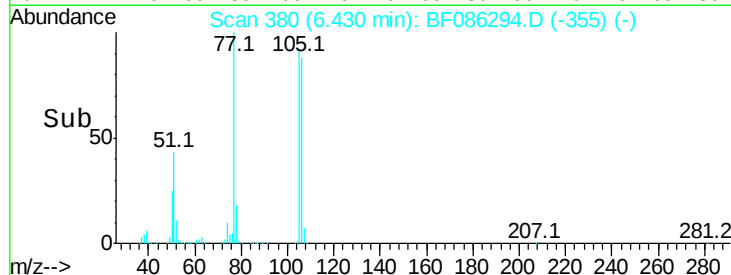
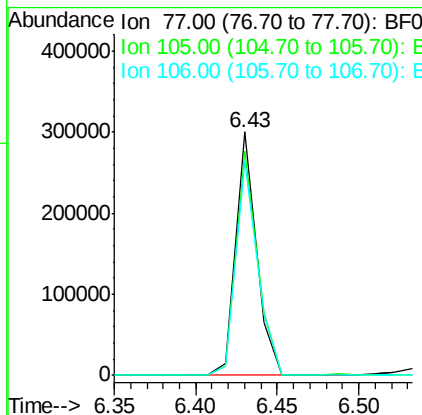
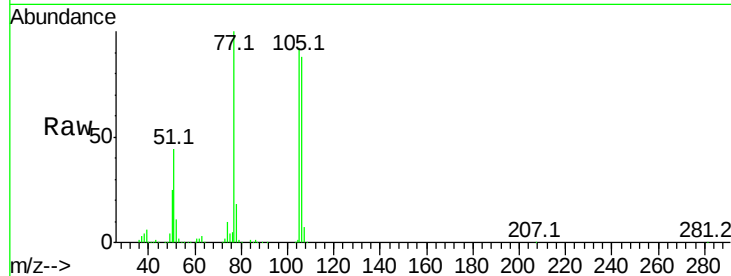
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	77	Resp:	262975
Ion Ratio	Lower	Upper	
77	100		
105	92.2	84.6	124.6
106	88.1	78.6	118.6

Manual Integrations
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#10

Phenol

Concen: 29.71 ng

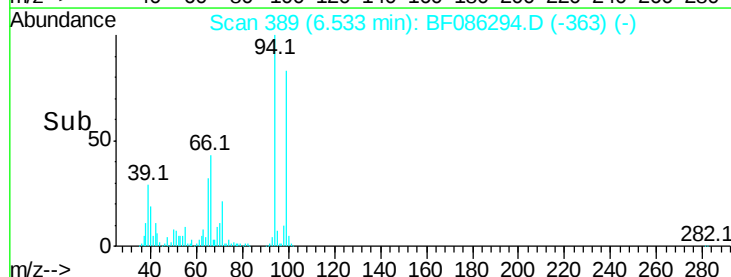
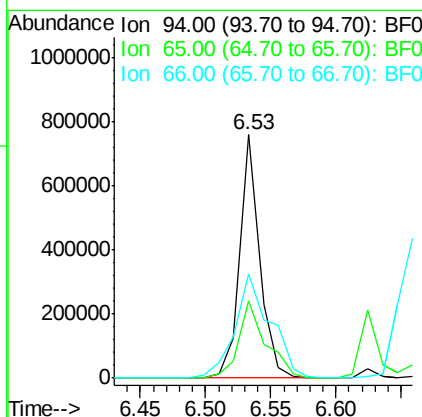
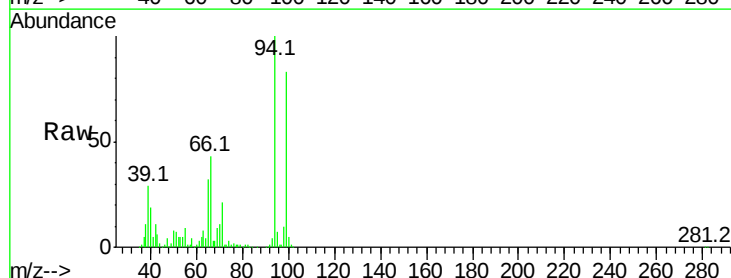
RT: 6.53 min Scan# 389

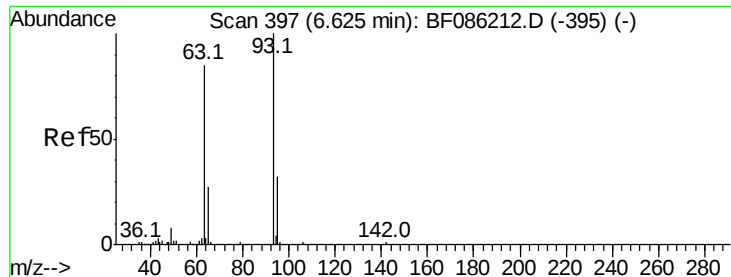
Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	94	Resp:	803819
Ion Ratio	Lower	Upper	
94	100		
65	31.7	7.9	47.9
66	42.7	16.5	56.5





#11

bis(2-Chloroethyl)ether

Concen: 36.21 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

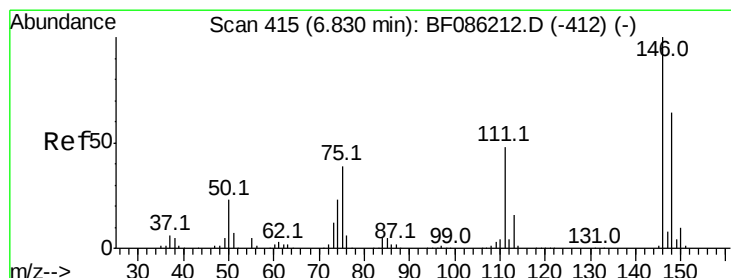
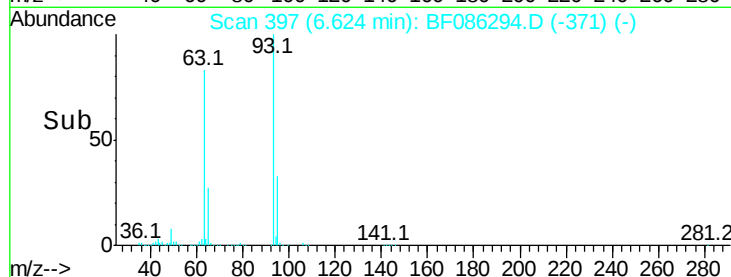
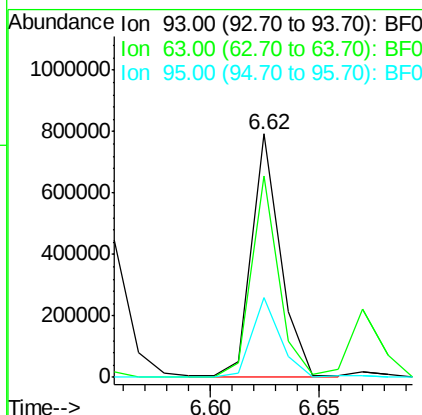
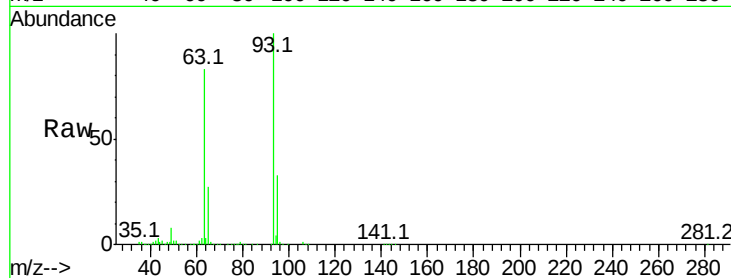
ClientSampled :

SP-1-A(0-2)MSD

Tot Ion:	93	Resp:	737166
Ion Ratio	Lower	Upper	
93	100		
63	82.7	44.4	84.4
95	32.7	13.1	53.1

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 35.57 ng

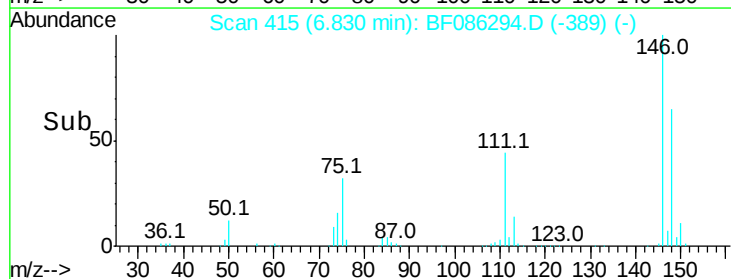
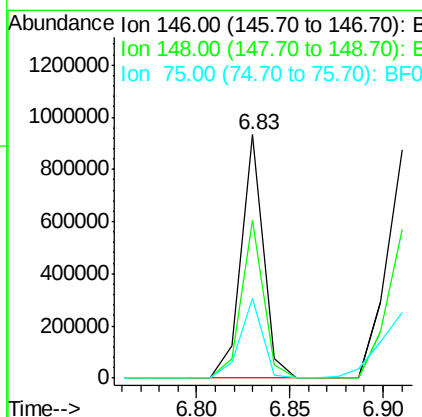
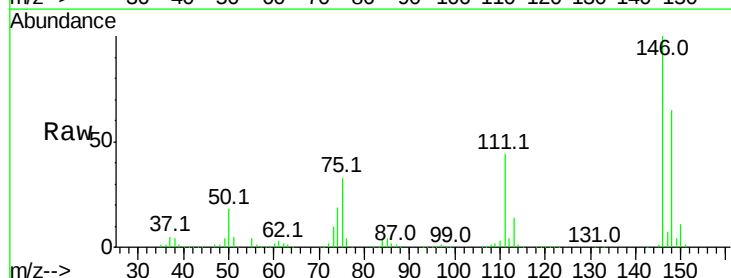
RT: 6.83 min Scan# 415

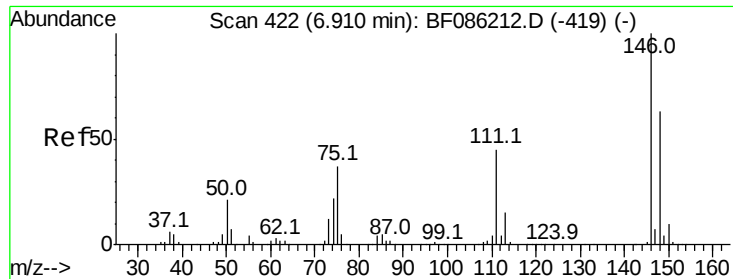
Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	146	Resp:	775570
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.0	76.4
75	32.6	29.9	44.9





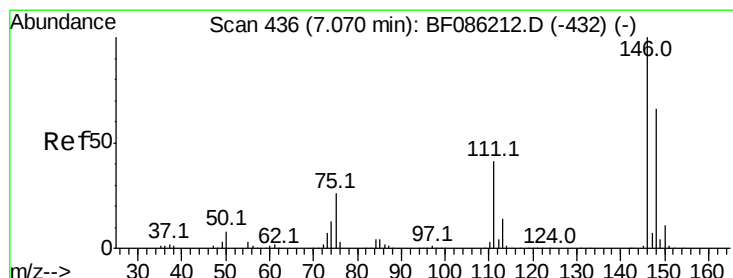
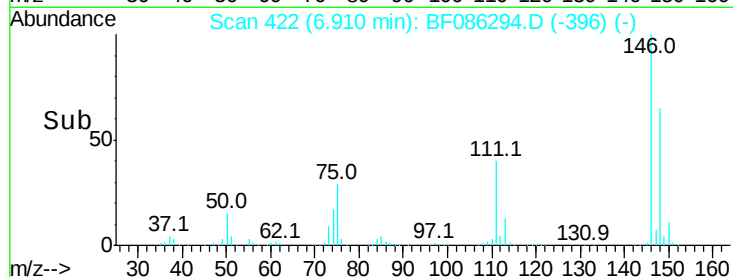
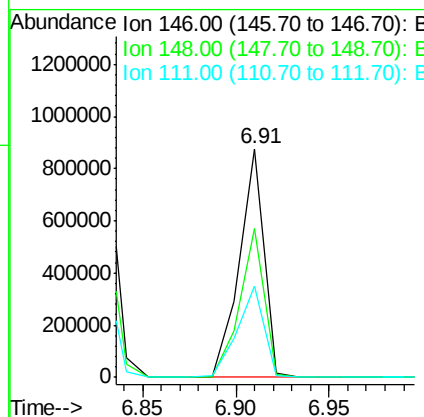
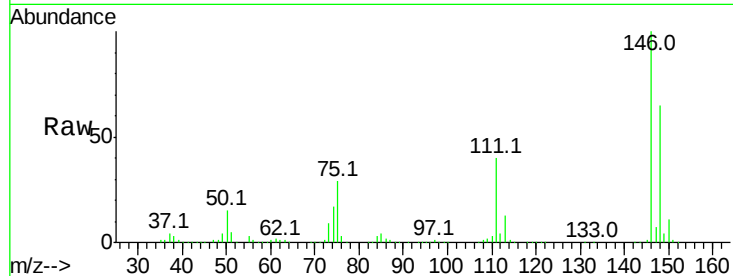
#13
 1,4-Dichlorobenzene
 Concen: 39.11 ng
 RT: 6.91 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.6
111	39.8	34.9	52.3

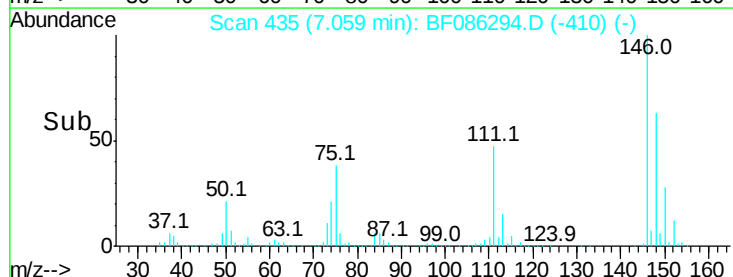
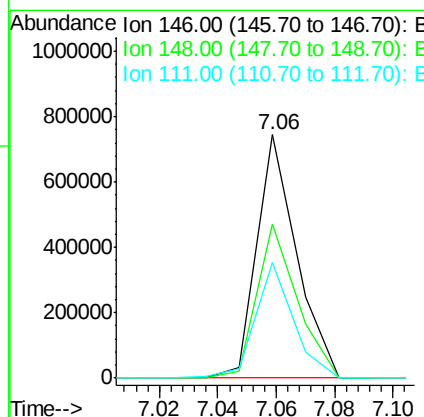
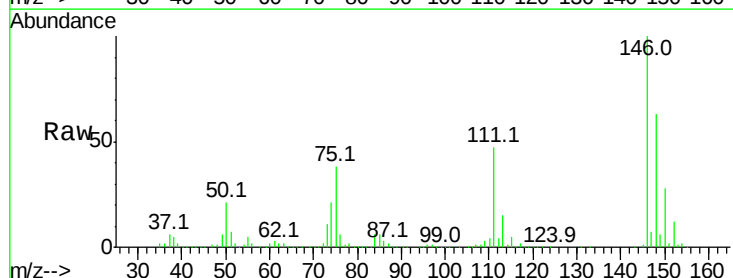
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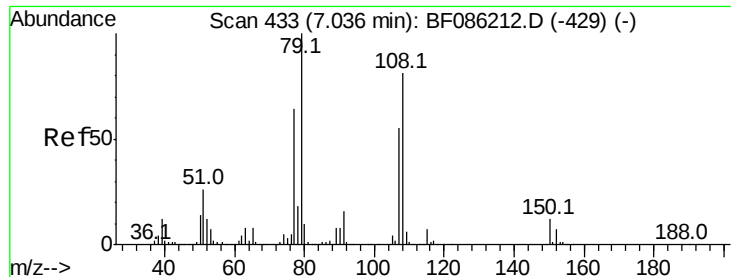
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 38.14 ng m
 RT: 7.06 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.2	78.2
111	47.4	31.0	46.4#





#15

Benzyl Alcohol

Concen: 41.67 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion: 79 Resp: 671723

Ion Ratio Lower Upper

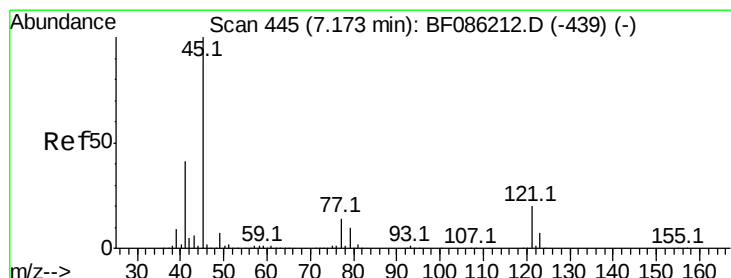
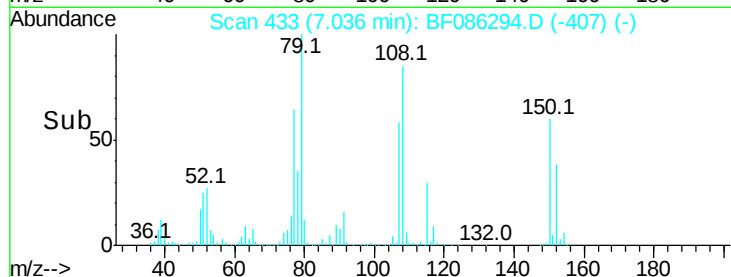
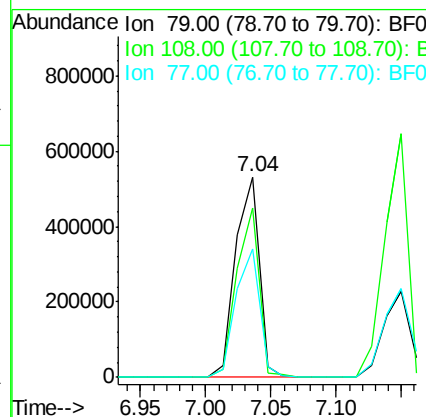
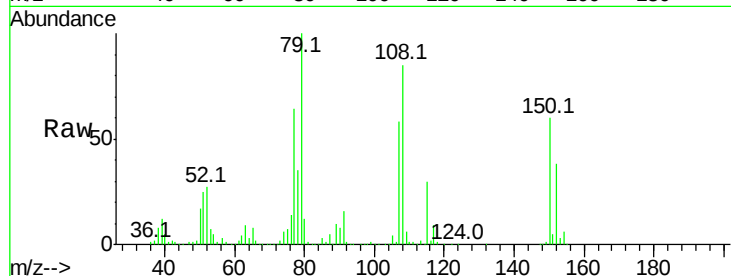
79 100

108 84.7 64.8 97.2

77 64.0 51.9 77.9

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.87 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

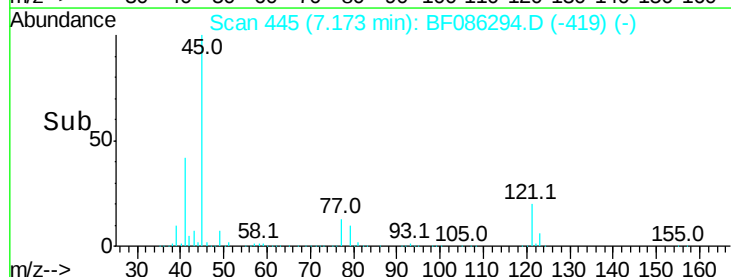
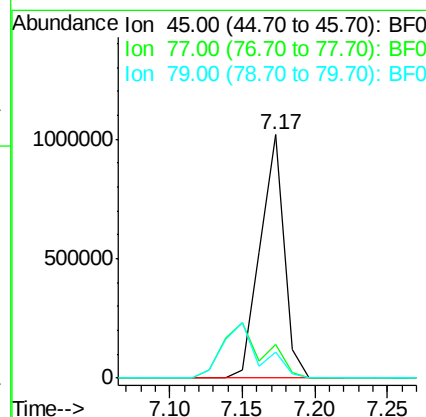
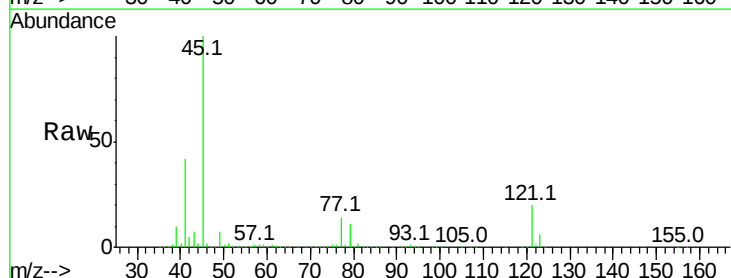
Tgt Ion: 45 Resp: 1169460

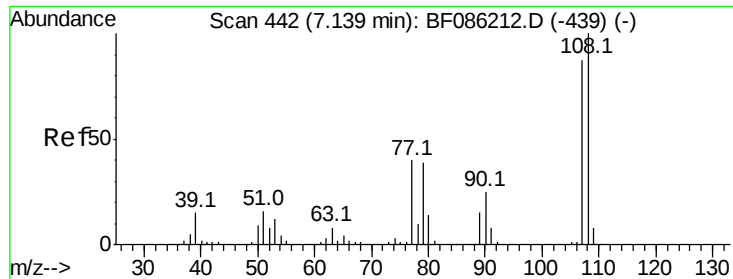
Ion Ratio Lower Upper

45 100

77 13.7 0.0 33.7

79 10.5 0.0 30.1





#17

2-Methylphenol

Concen: 40.70 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

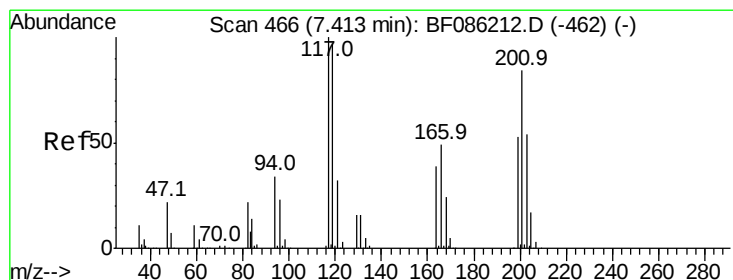
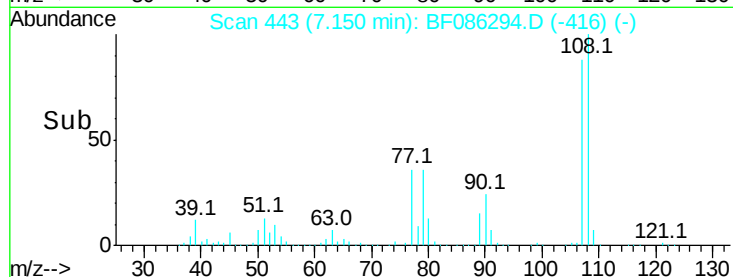
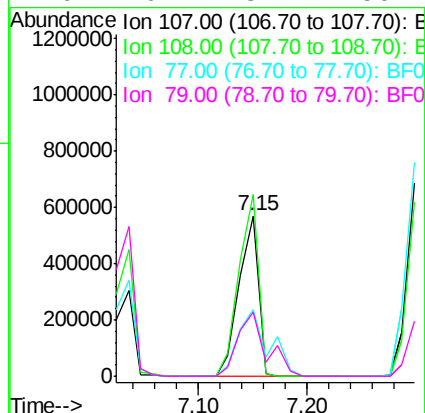
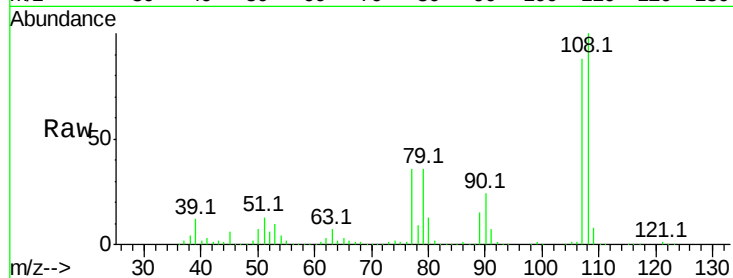
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	107	Resp:	696843
Ion Ratio	Lower	Upper	
107	100		
108	113.2	92.7	139.1
77	41.1	39.6	59.4
79	40.2	37.4	56.2

Manual Integrations
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#18

Hexachloroethane

Concen: 31.28 ng

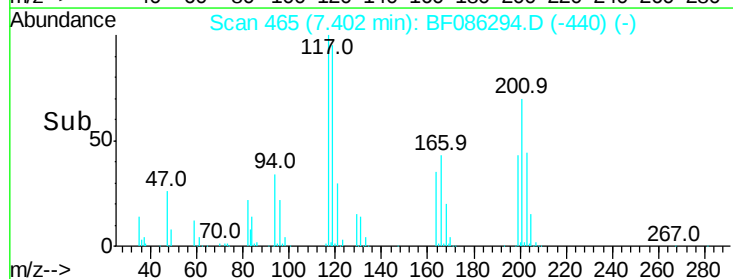
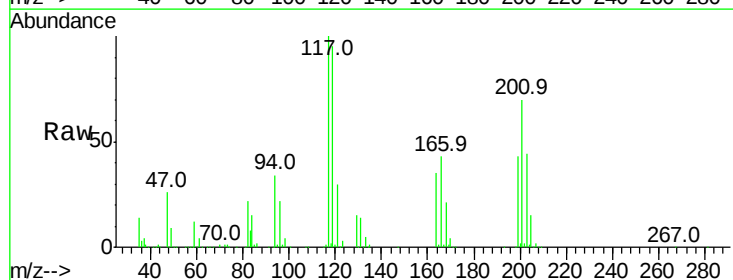
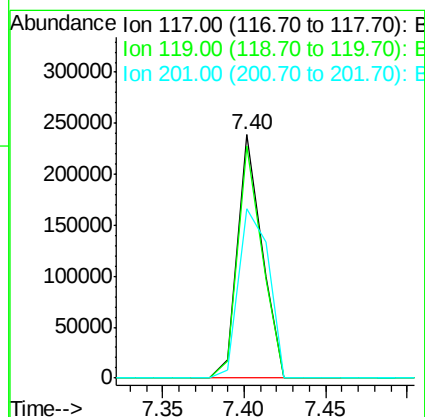
RT: 7.40 min Scan# 465

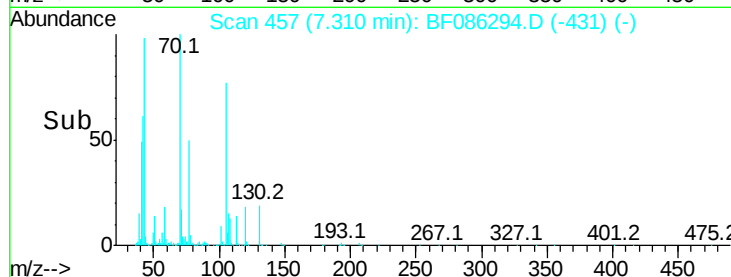
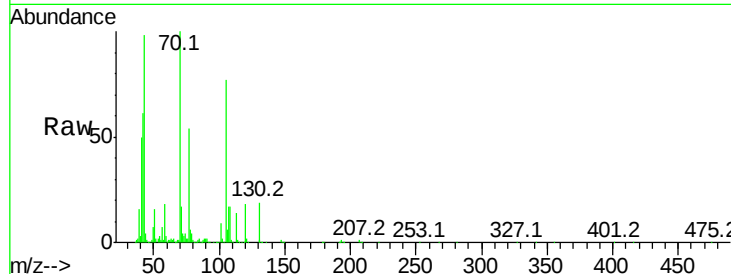
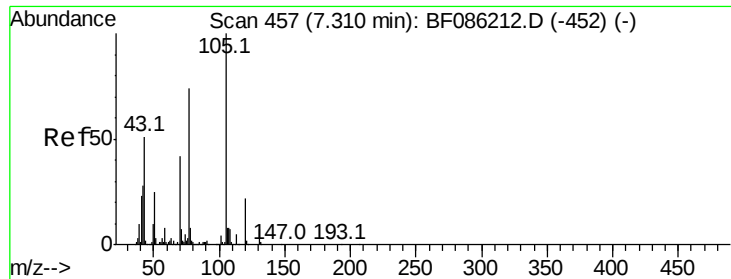
Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	117	Resp:	245104
Ion Ratio	Lower	Upper	
117	100		
119	95.2	78.2	117.4
201	69.7	75.7	113.5#





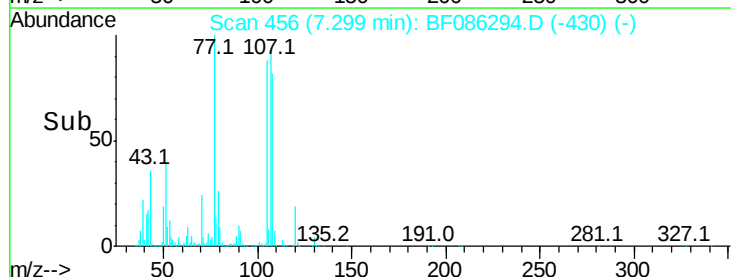
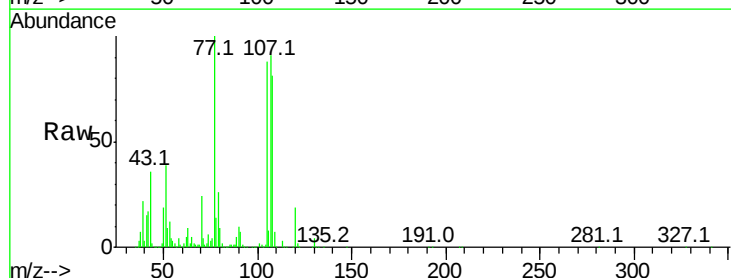
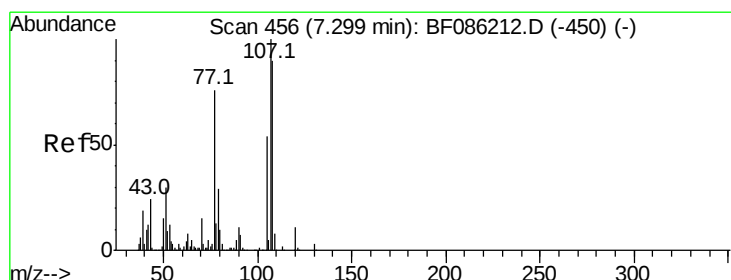
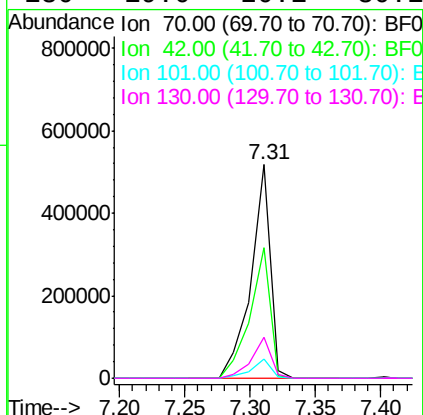
#19
n-Nitroso-di-n-propylamine
Concen: 36.92 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.1	43.0	64.4
101	9.0	8.1	12.1
130	19.0	20.1	30.1#

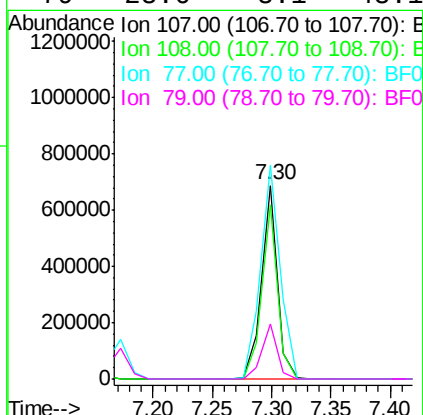
Manual Integrations
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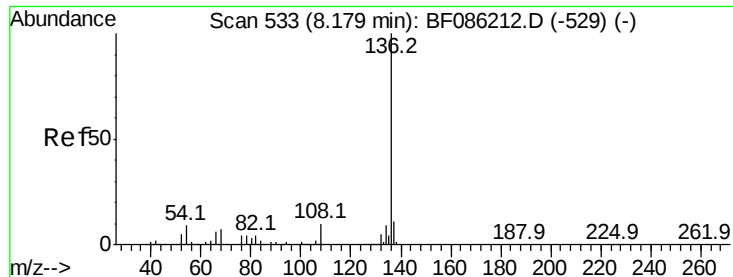
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#20
3+4-Methylphenols
Concen: 33.69 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.7	109.7
77	110.1	60.5	100.5#
79	28.6	8.1	48.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

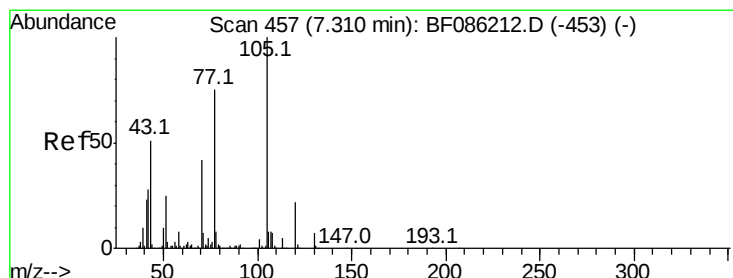
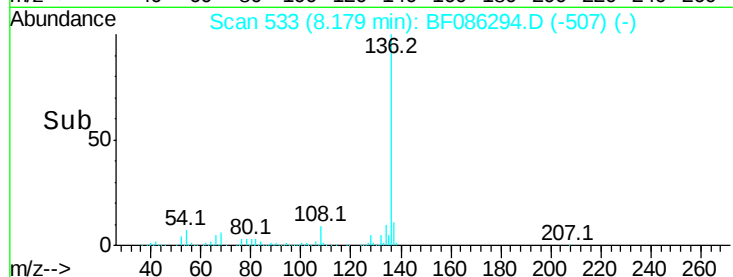
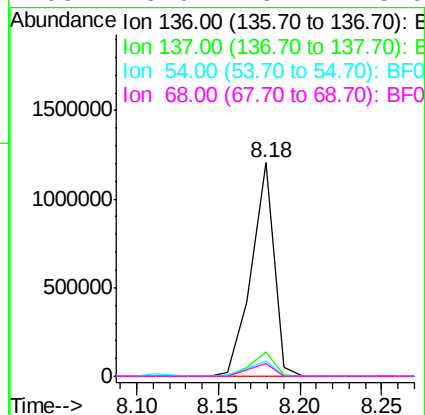
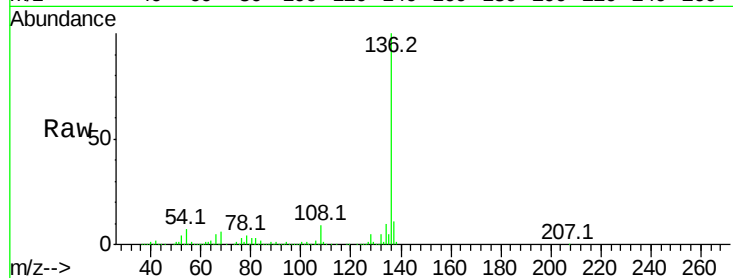
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	1169455		
137	11.2		9.1	13.7
54	7.4		7.3	10.9
68	5.9		5.7	8.5

Manual Integrations
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#22

Acetophenone

Concen: 39.80 ng

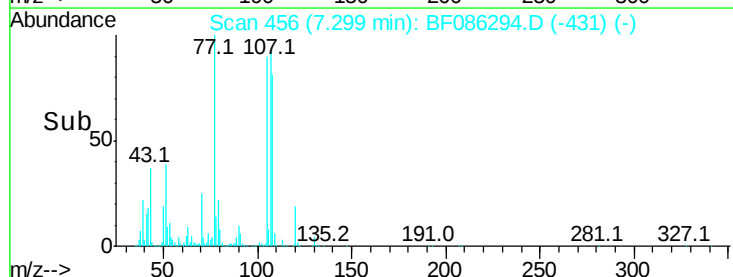
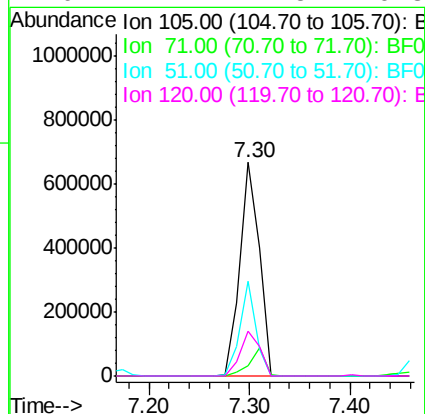
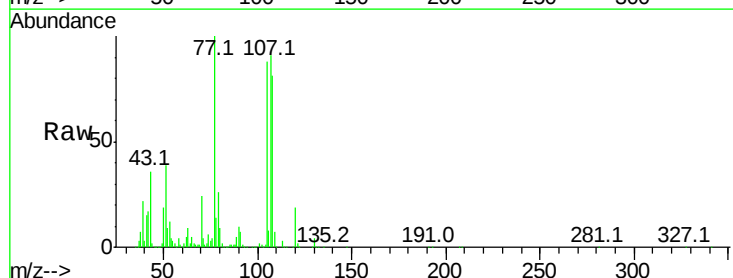
RT: 7.30 min Scan# 456

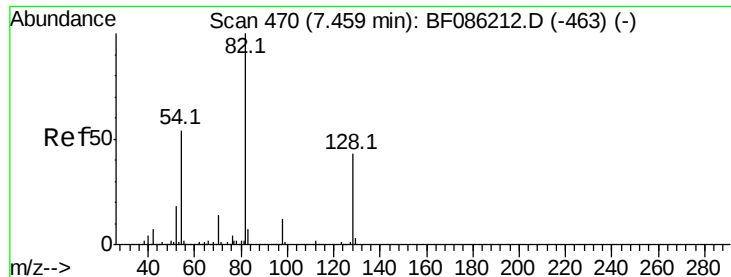
Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	891397		
71	4.6		4.0	6.0
51	44.6		22.0	33.0#
120	21.1		17.5	26.3





#23

Nitrobenzene-d5

Concen: 80.50 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion: 82 Resp: 1632196

Ion Ratio Lower Upper

82 100

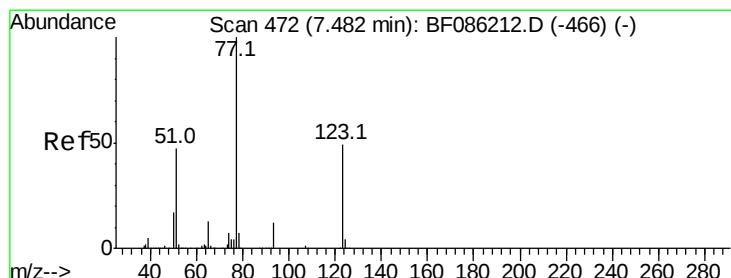
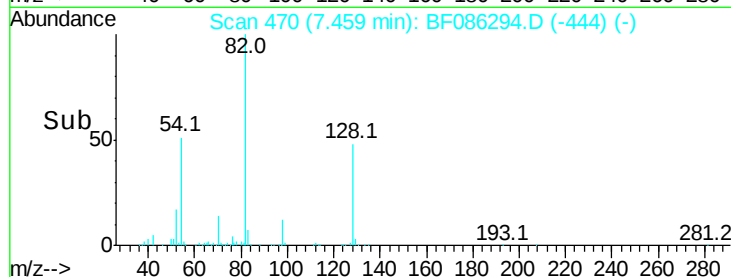
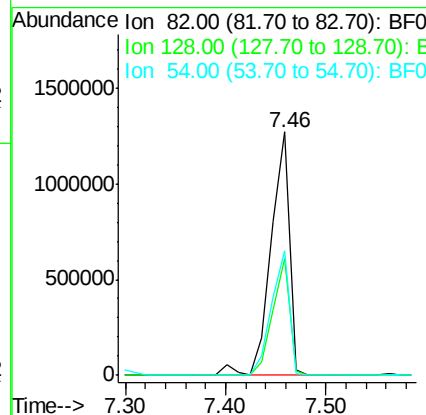
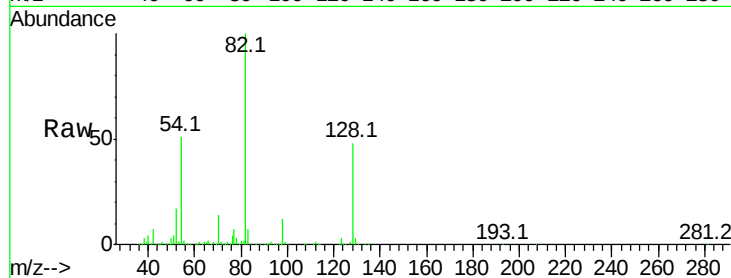
128 48.0 35.4 53.2

54 51.0 43.4 65.0

Manual Integrations
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#24

Nitrobenzene

Concen: 35.21 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

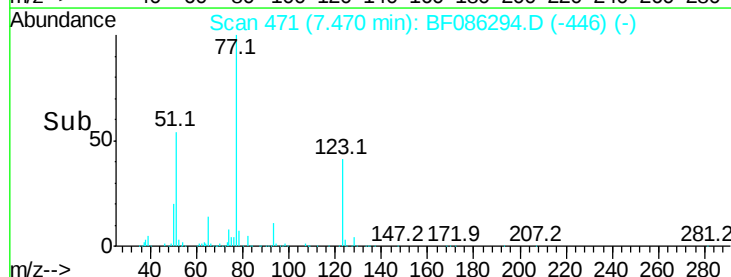
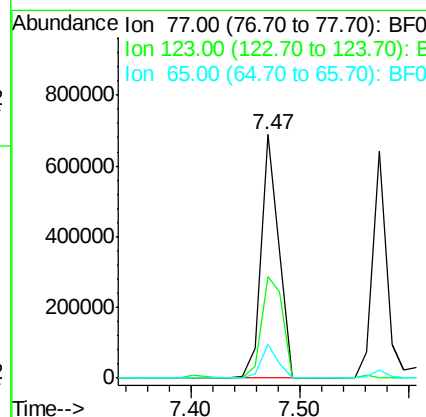
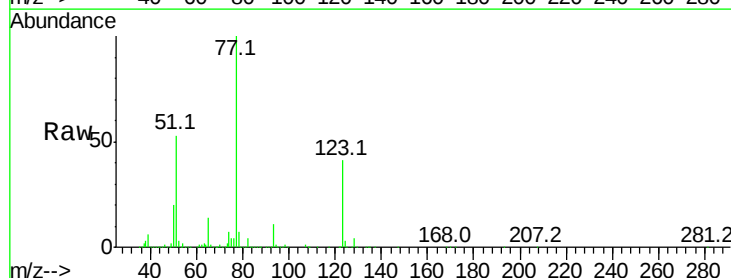
Tgt Ion: 77 Resp: 780508

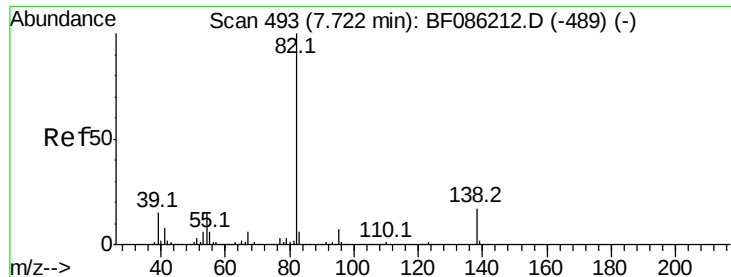
Ion Ratio Lower Upper

77 100

123 41.5 38.3 57.5

65 13.7 11.3 16.9





#25

Isophorone

Concen: 38.61 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion: 82 Resp: 155333

Ion Ratio Lower Upper

82 100

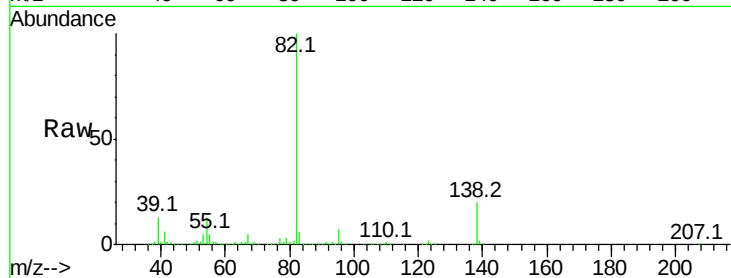
95 6.6 5.4 8.2

138 19.9 13.4 20.2

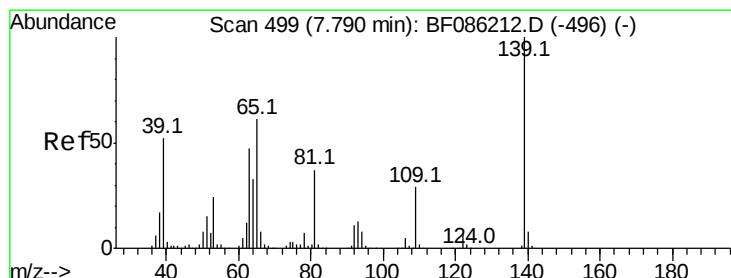
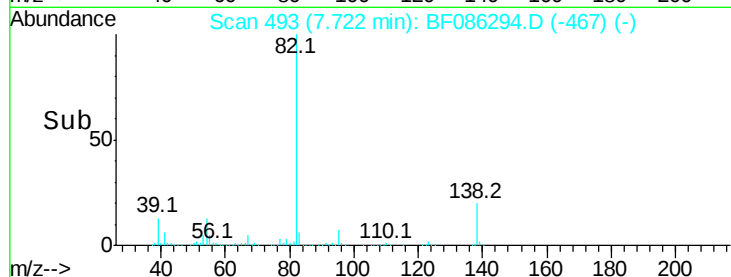
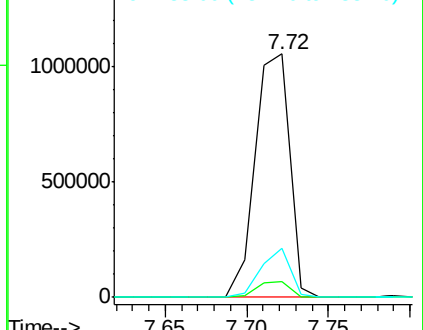
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 36.84 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

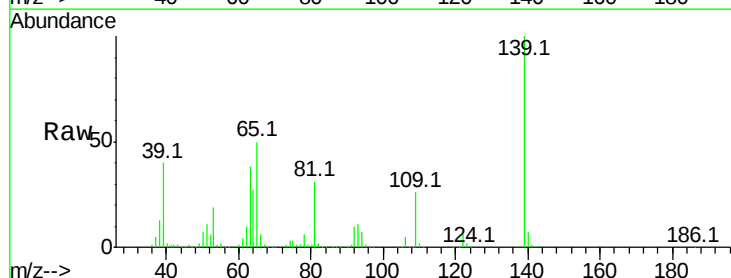
Tgt Ion: 139 Resp: 356124

Ion Ratio Lower Upper

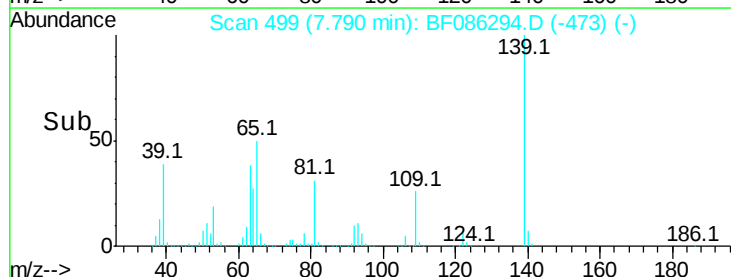
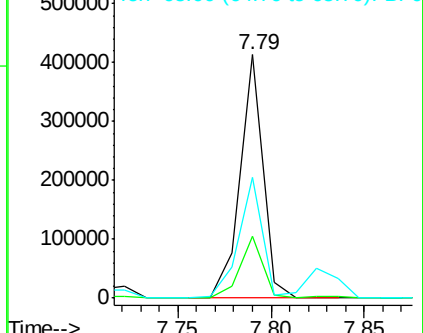
139 100

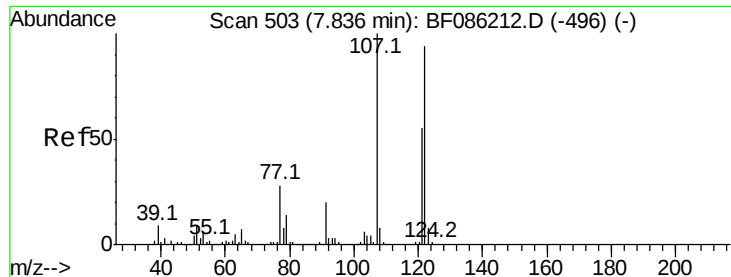
109 25.6 25.8 38.8#

65 49.6 50.2 75.2#



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: 37.15 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

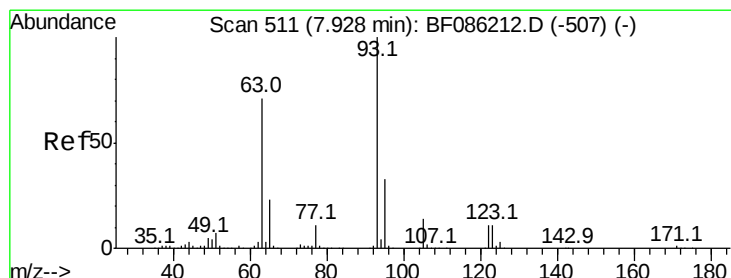
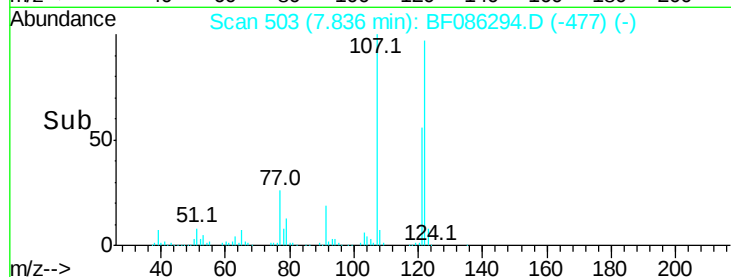
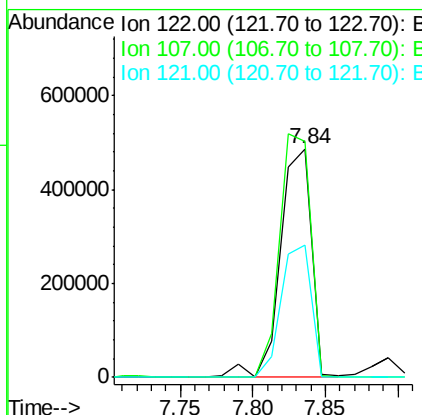
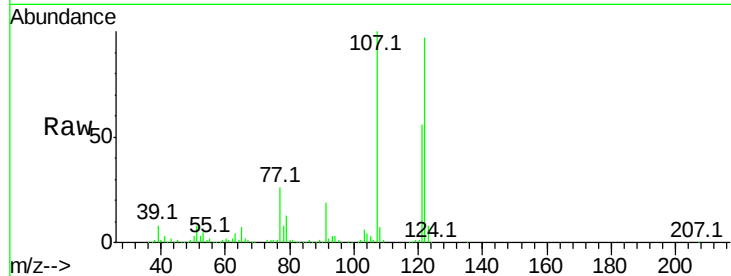
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	122	Resp:	725237
Ion Ratio	Lower	Upper	
122	100		
107	103.1	85.8	128.6
121	57.7	47.1	70.7

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#28

bis(2-Chloroethoxy)methane

Concen: 40.32 ng

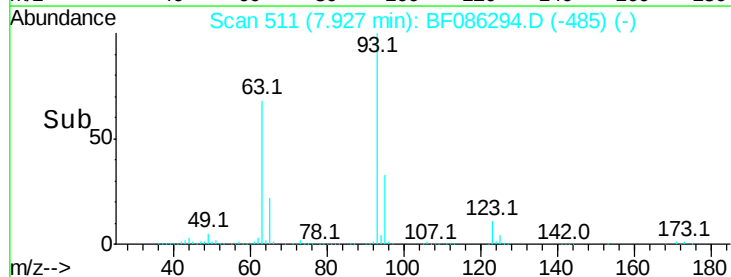
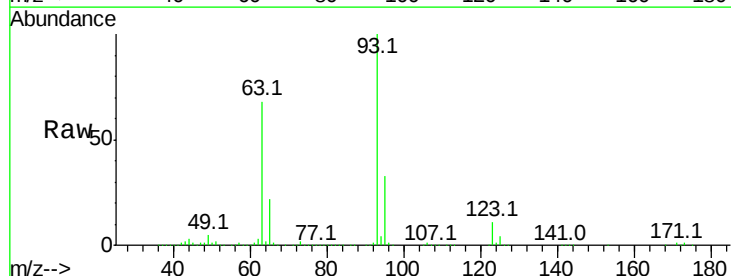
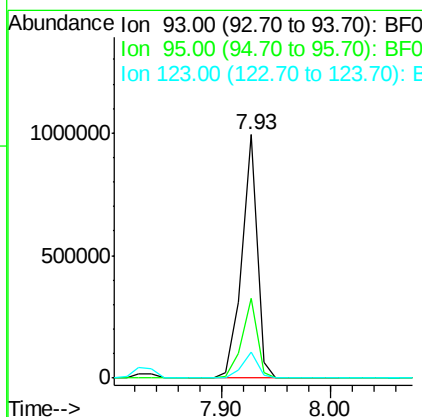
RT: 7.93 min Scan# 511

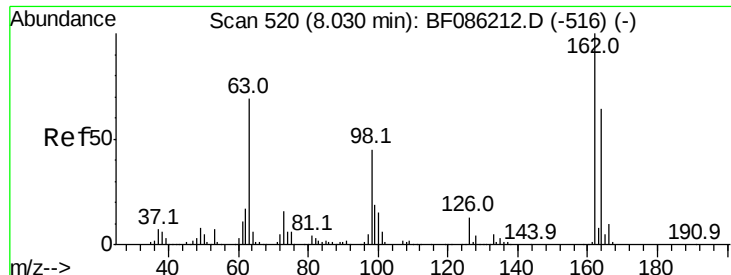
Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	93	Resp:	953629
Ion Ratio	Lower	Upper	
93	100		
95	32.9	25.8	38.8
123	10.6	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 38.71 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

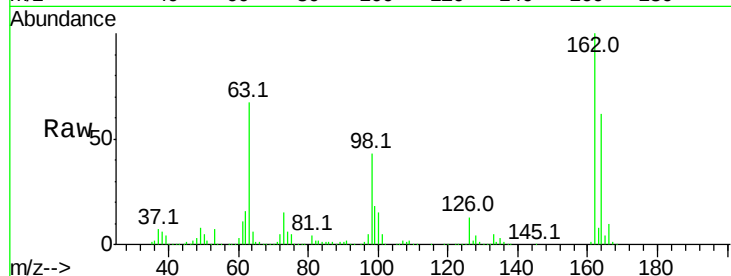
ClientSampleId :

SP-1-A(0-2)MSD

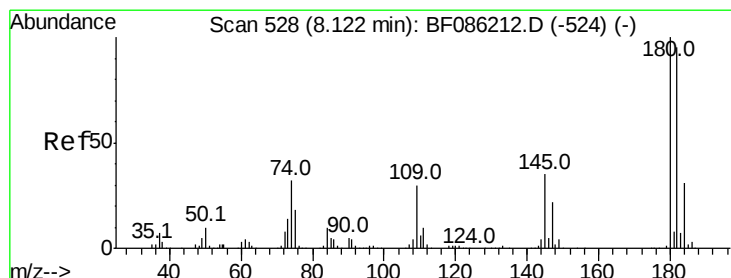
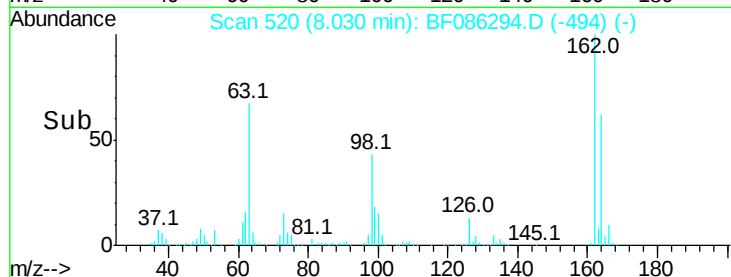
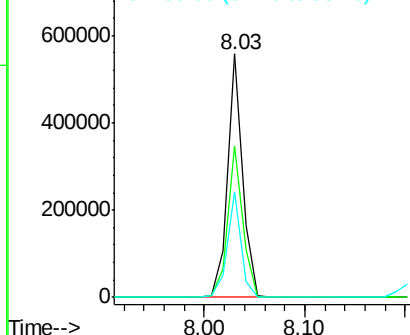
Tot Ion:	162	Resp:	574432
Ion Ratio	Lower	Upper	
162	100		
164	62.3	43.3	83.3
98	43.2	22.9	62.9

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E



#30

1,2,4-Trichlorobenzene

Concen: 39.52 ng

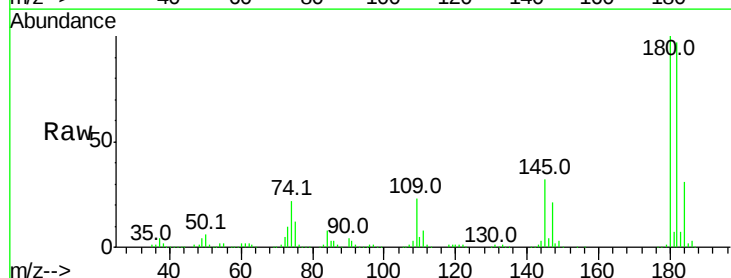
RT: 8.12 min Scan# 528

Delta R.T. -0.00 min

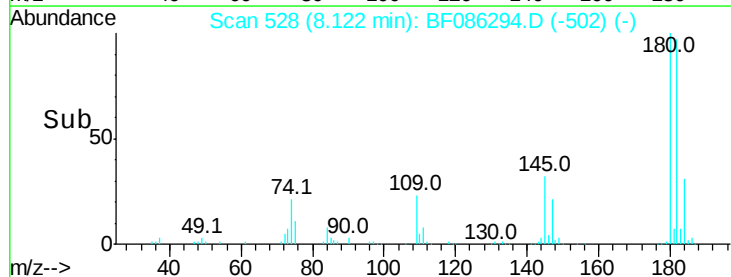
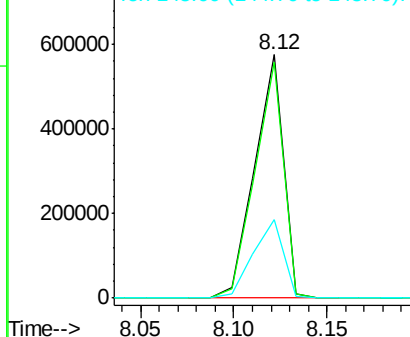
Lab File: BF086294.D

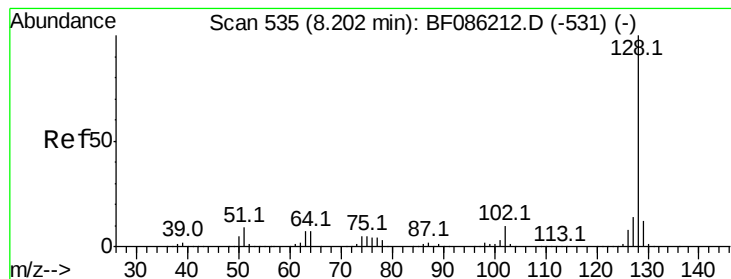
Acq: 18 Apr 2016 21:03

Tgt Ion:	180	Resp:	613765
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.3	114.5
145	32.5	27.4	41.2



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.86 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:128 Resp: 2133673

Ion Ratio Lower Upper

128 100

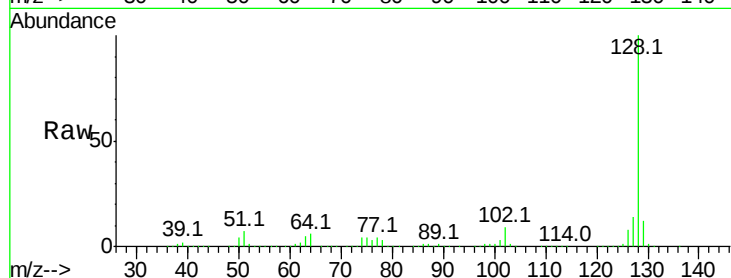
129 11.7 9.6 14.4

127 14.1 11.4 17.2

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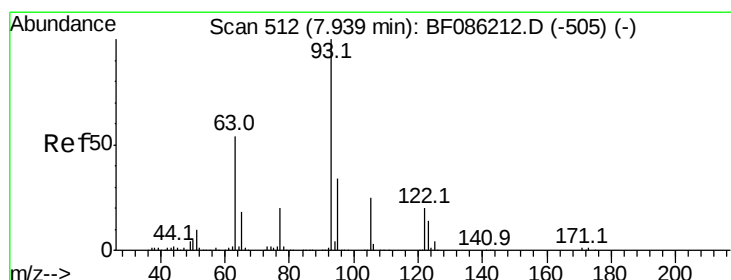
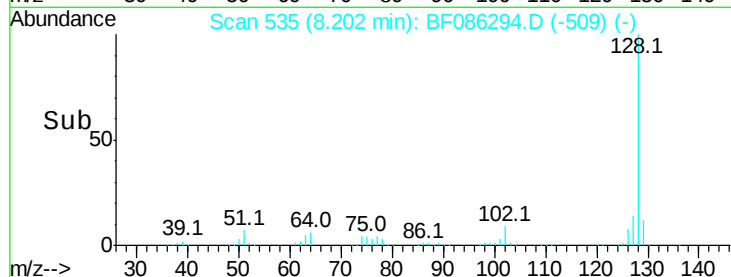
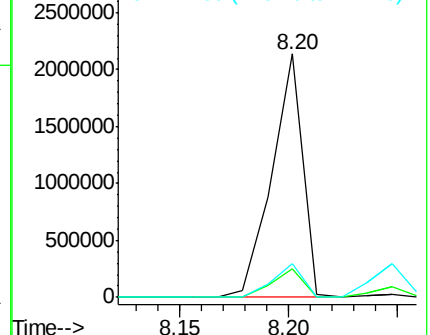
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.08 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.05 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

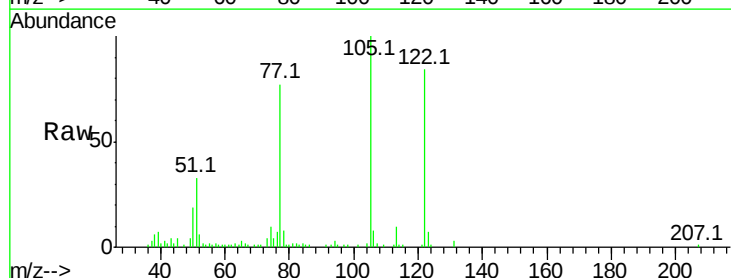
Tgt Ion:122 Resp: 50970

Ion Ratio Lower Upper

122 100

105 119.5 103.7 143.7

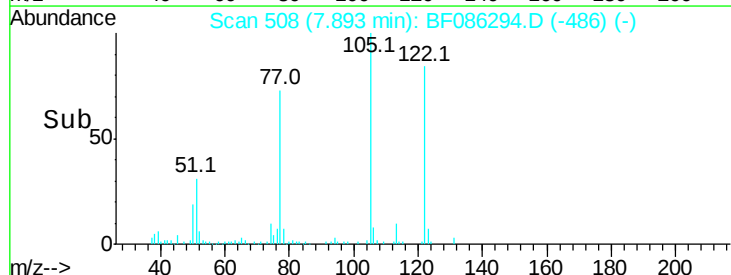
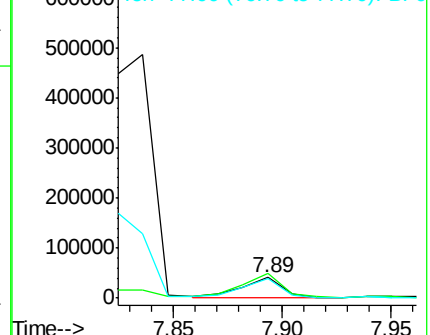
77 91.8 74.9 114.9

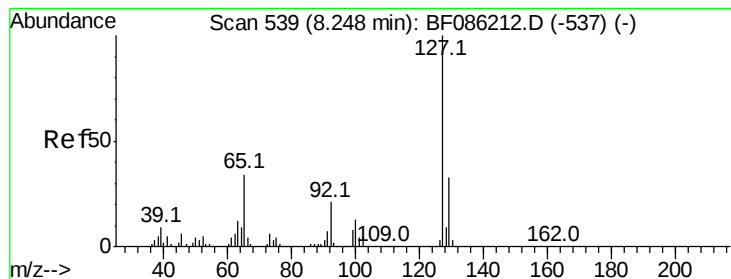


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





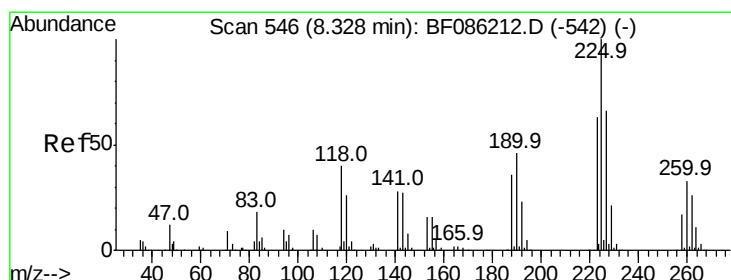
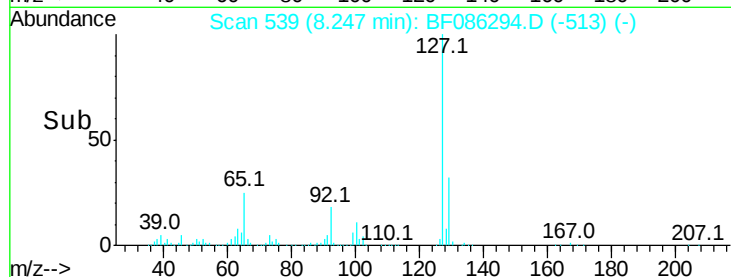
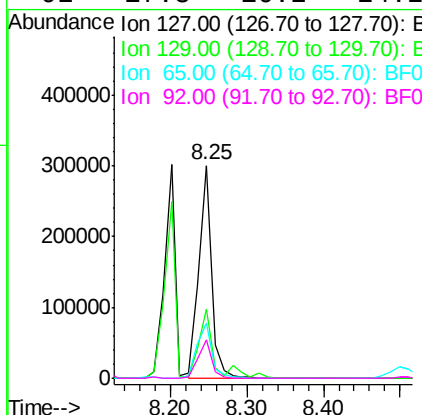
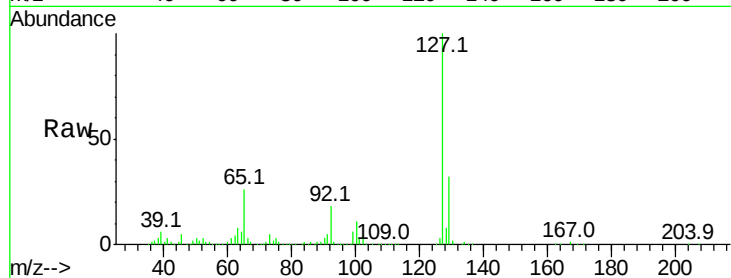
#33
 4-Chloroaniline
 Concen: 14.76 ng
 RT: 8.25 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.8	40.2	
65	25.6	27.1	40.7	
92	17.8	16.2	24.2	

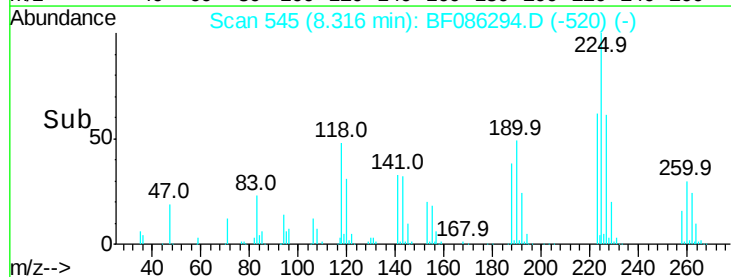
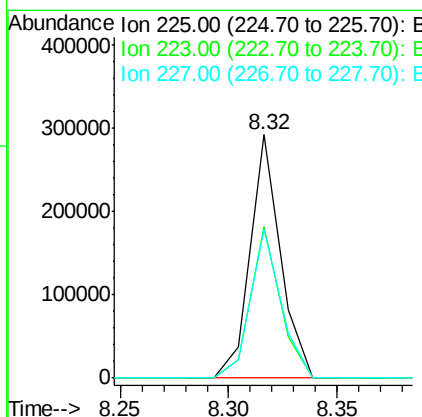
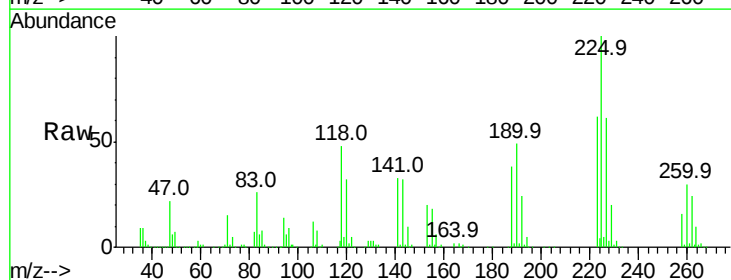
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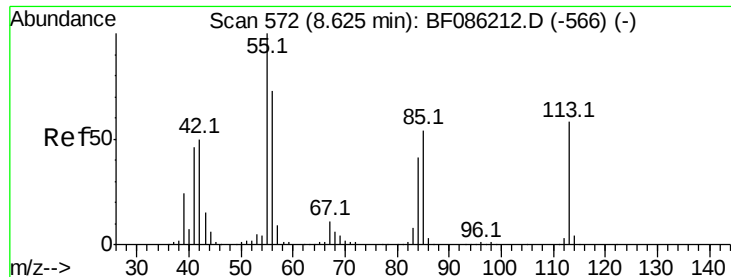
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#34
 Hexachlorobutadiene
 Concen: 36.17 ng
 RT: 8.32 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	49.4	74.0	
227	61.3	51.1	76.7	





#35

Caprolactam

Concen: 40.29 ng

RT: 8.61 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

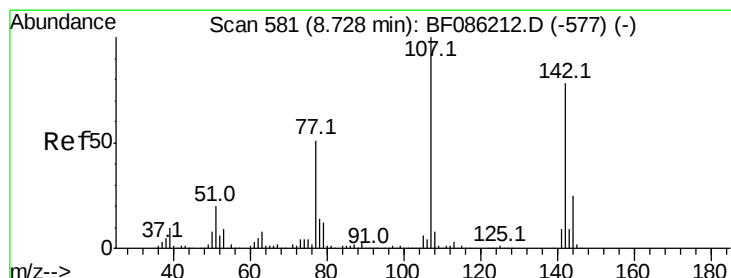
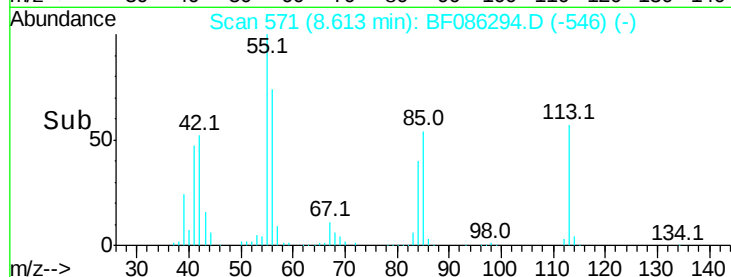
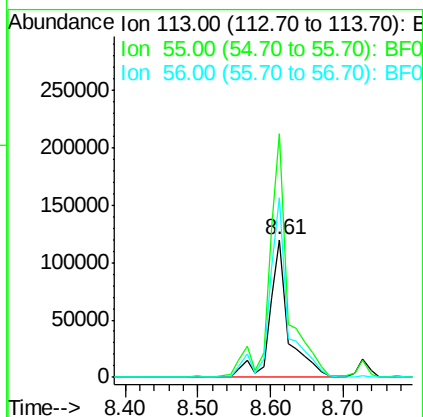
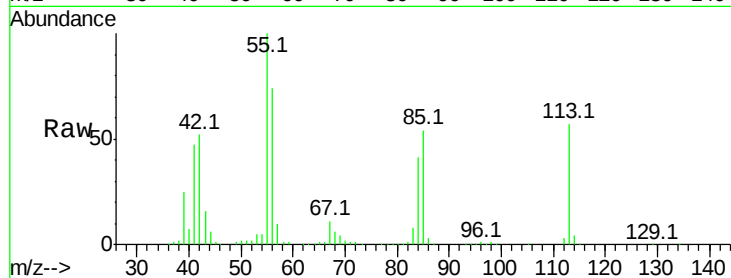
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	113	Resp:	216506
Ion Ratio	Lower	Upper	
113	100		
55	176.9	117.5	157.5#
56	130.1	82.5	122.5#

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#36

4-Chloro-3-methylphenol

Concen: 36.42 ng

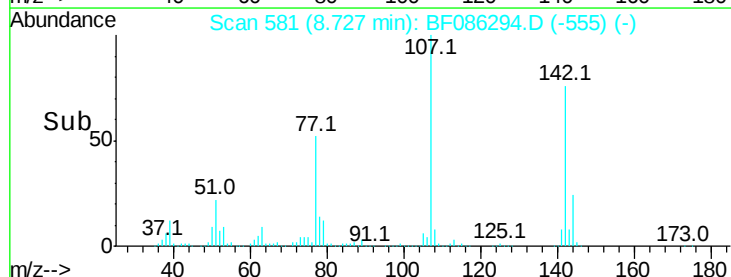
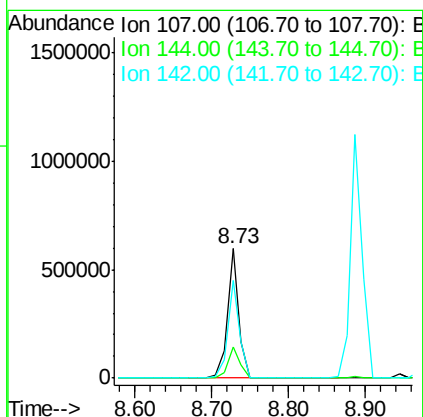
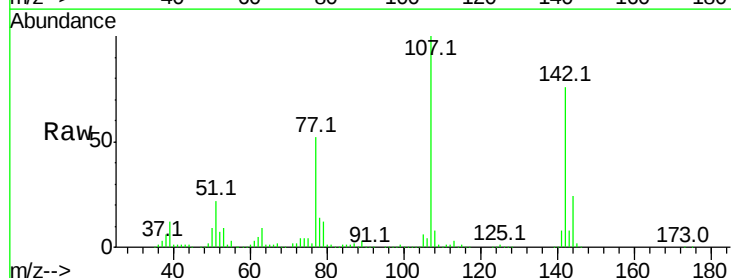
RT: 8.73 min Scan# 581

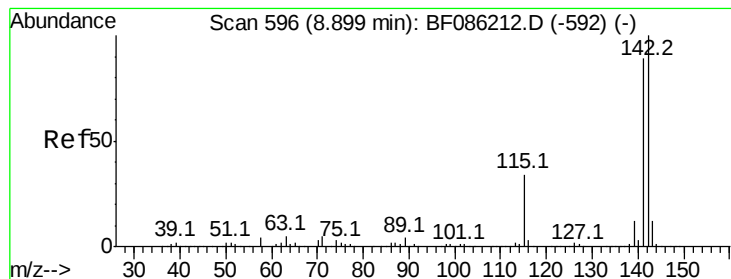
Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	107	Resp:	626320
Ion Ratio	Lower	Upper	
107	100		
144	24.4	20.7	31.1
142	75.8	64.5	96.7





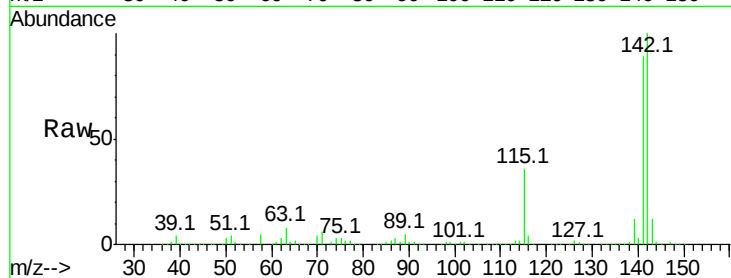
#37
 2-Methylnaphthalene
 Concen: 36.21 ng
 RT: 8.89 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

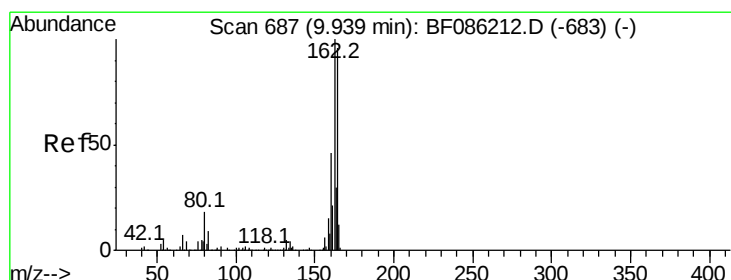
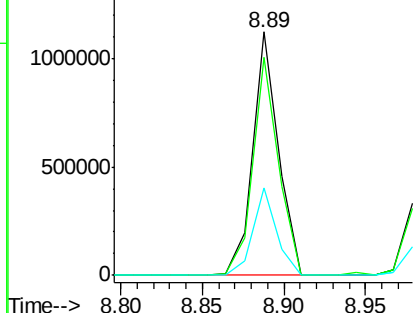
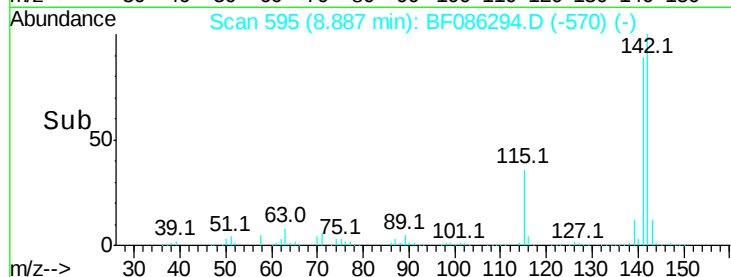
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.1	106.7
115	35.9	25.1	37.7

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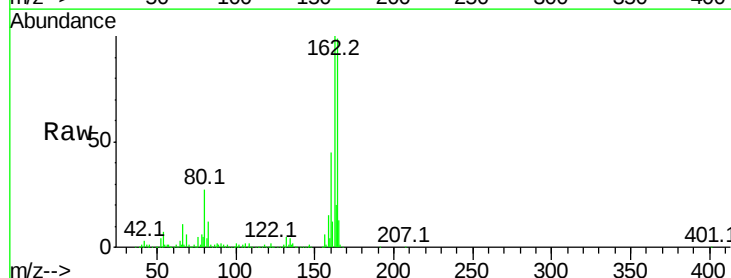


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

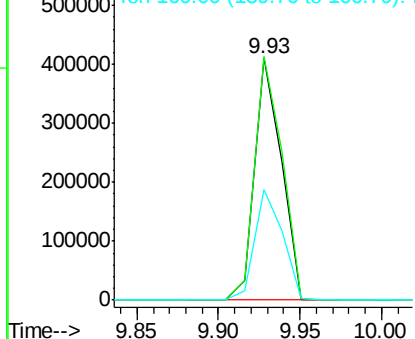
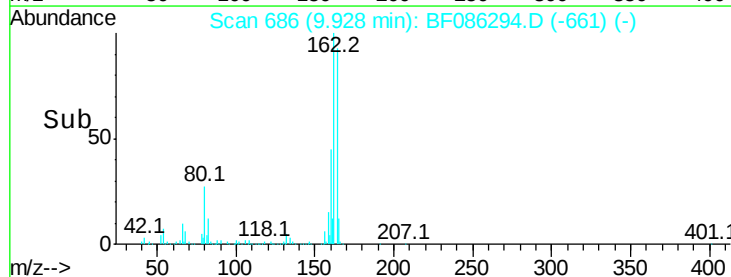


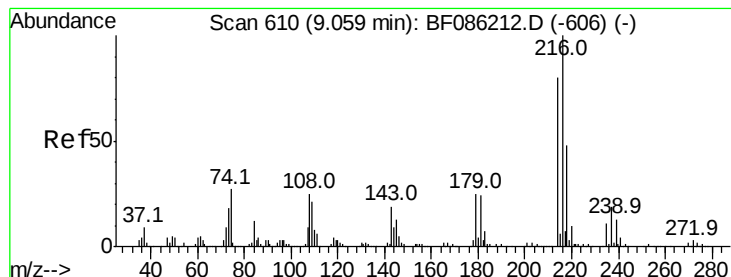
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.8	124.2
160	45.4	38.9	58.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 50.49 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

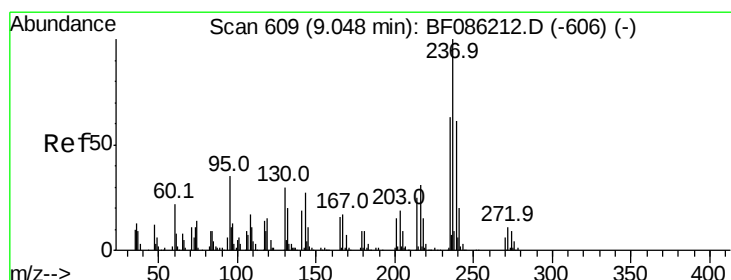
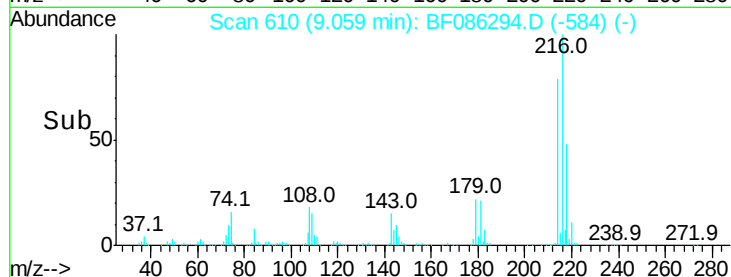
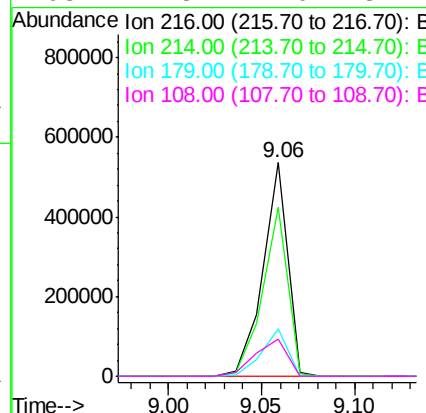
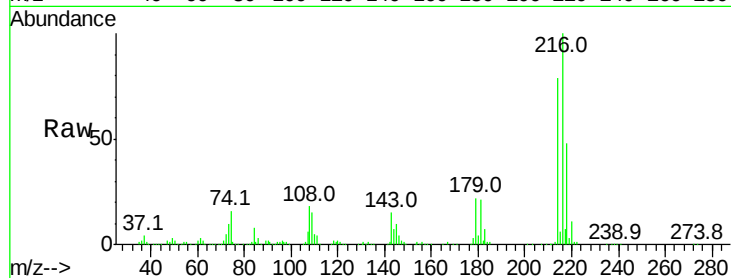
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		489403		
214	80.2		64.9	97.3	
179	23.4		19.8	29.6	
108	22.8		21.0	31.4	

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#40

Hexachlorocyclopentadiene

Concen: 32.05 ng

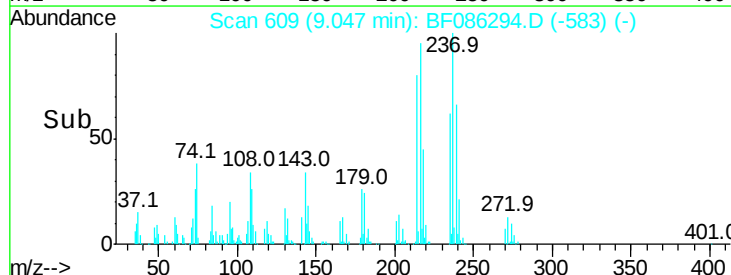
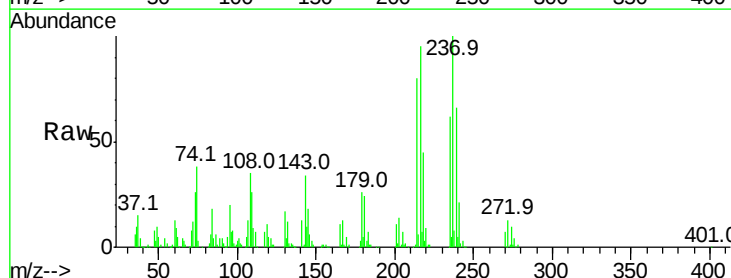
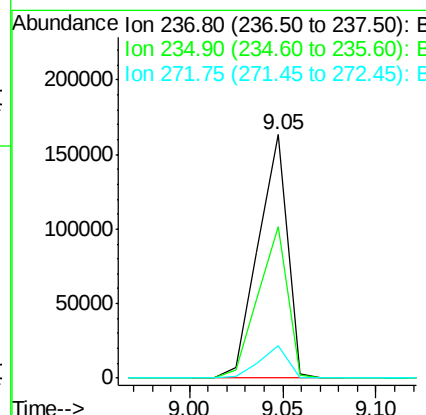
RT: 9.05 min Scan# 609

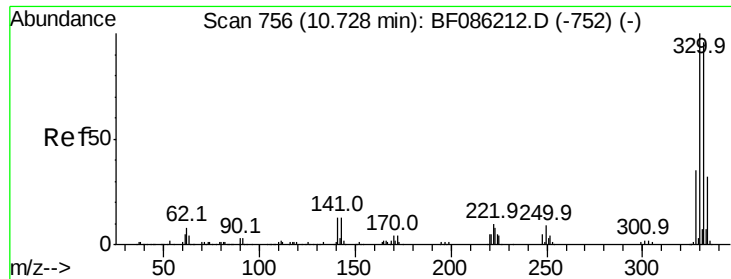
Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		176901		
235	62.4		44.0	84.0	
272	13.1		0.0	32.4	





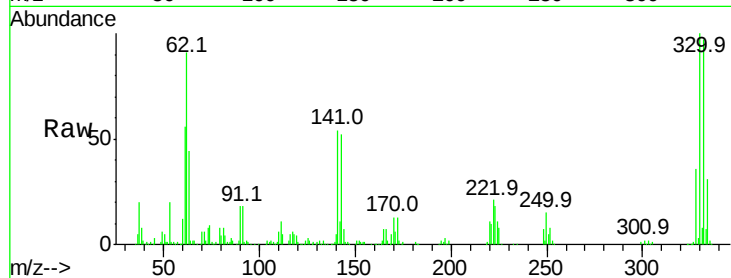
#41
 2,4,6-Tribromophenol
 Concen: 100.12 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

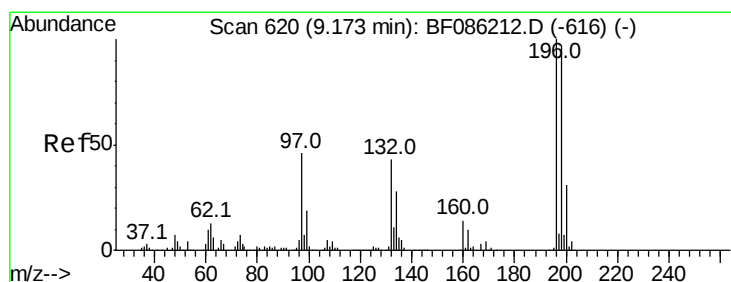
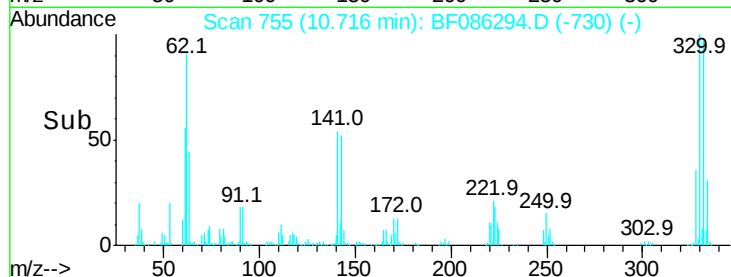
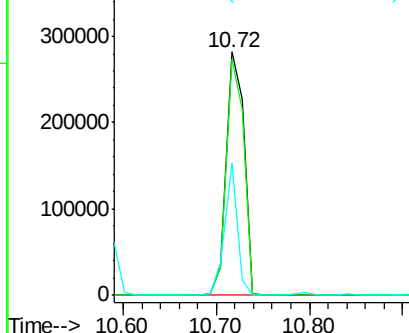
Tot Ion	Ratio	Resp	Lower	Upper
330	100	376402		
332	95.9	78.7	118.1	
141	38.5	28.6	42.8	

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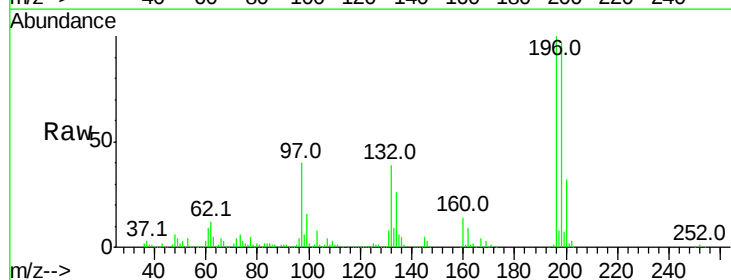


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

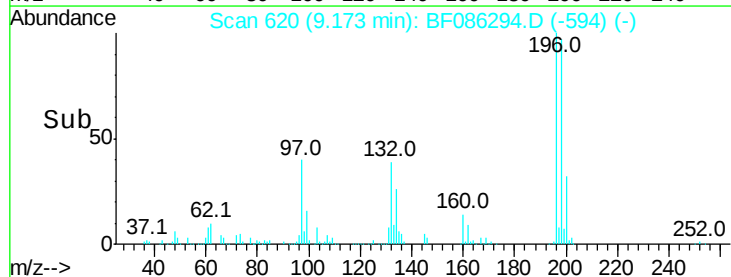
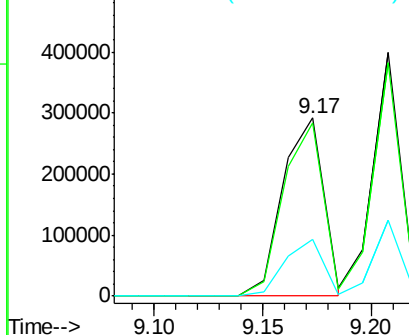


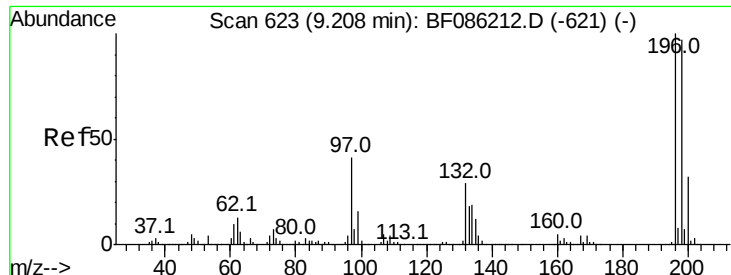
#42
 2,4,6-Trichlorophenol
 Concen: 41.38 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	381683		
198	97.0	76.6	115.0	
200	31.8	25.3	37.9	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





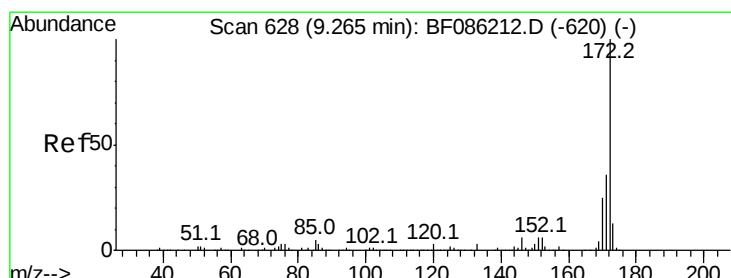
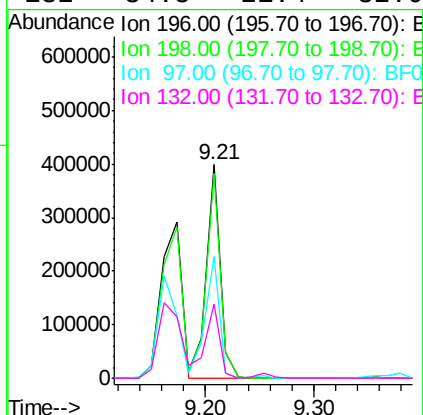
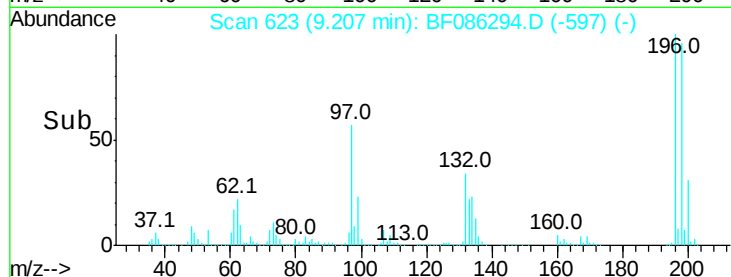
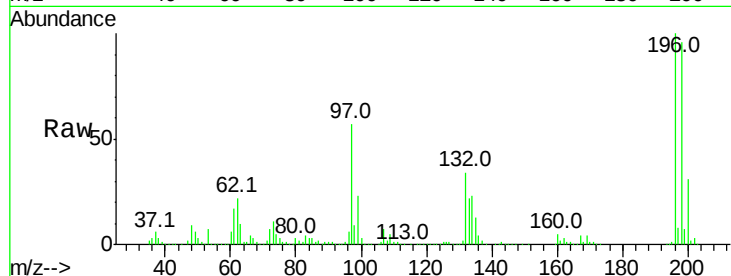
#43
 2,4,5-Trichlorophenol
 Concen: 40.52 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		360970		
198	95.8	77.7	116.5		
97	57.1	32.6	48.8#		
132	34.5	21.4	32.0#		

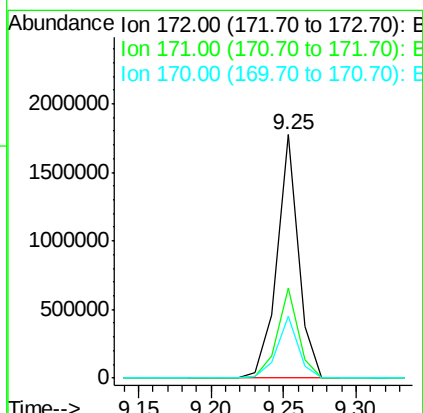
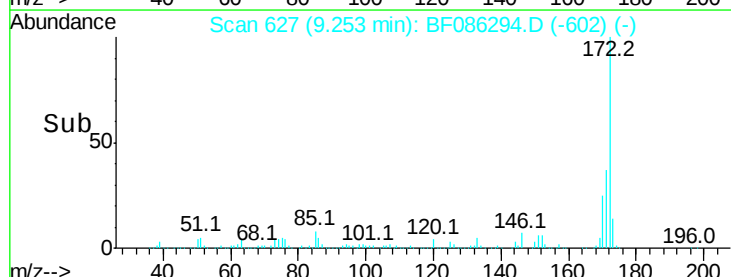
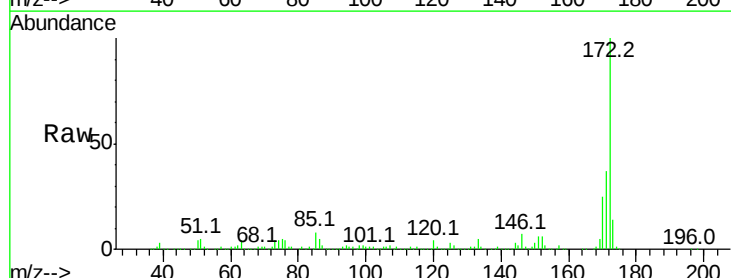
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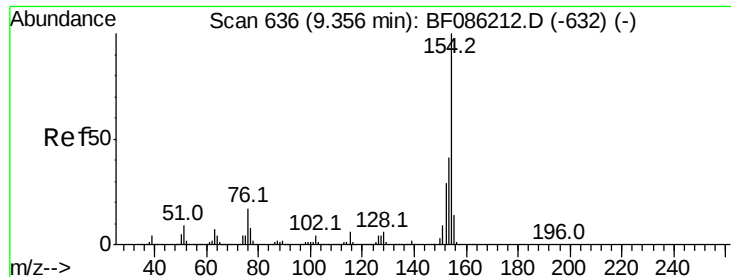
Sohil
 4/19/2016 6:25:16 PM



#44
 2-Fluorobiphenyl
 Concen: 71.77 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1820989		
171	36.9	29.1	43.7		
170	25.2	19.9	29.9		





#45

1,1'-Biphenyl

Concen: 42.33 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:154 Resp: 1426577

Ion Ratio Lower Upper

154 100

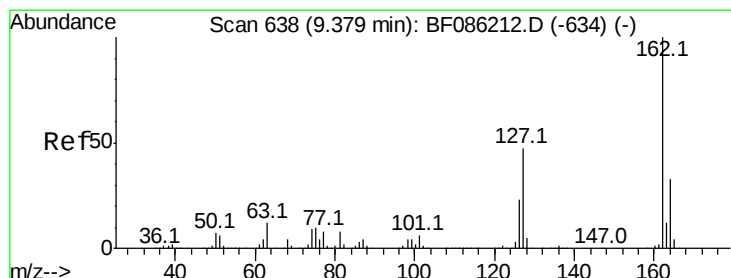
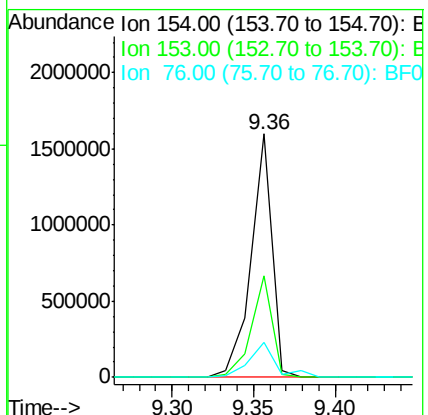
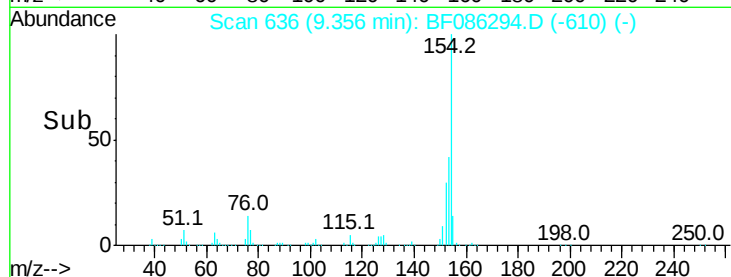
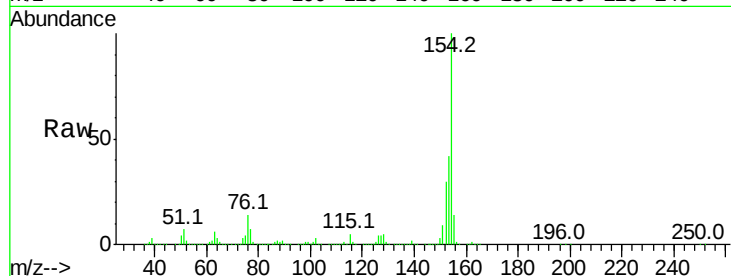
153 41.7 21.3 61.3

76 14.2 0.0 36.4

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4/19/2016 6:25:16 PM



#46

2-Chloronaphthalene

Concen: 39.76 ng

RT: 9.38 min Scan# 638

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

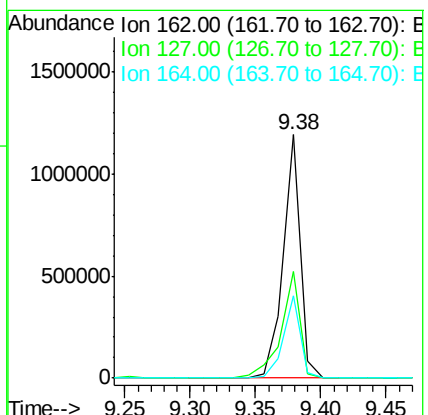
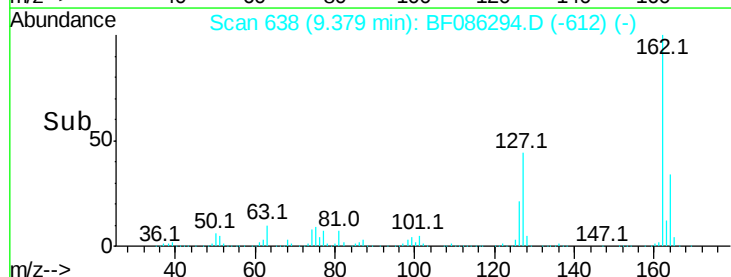
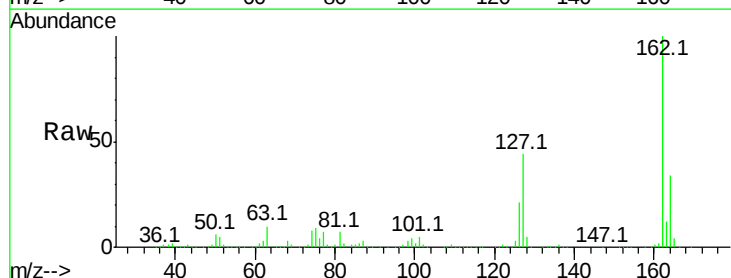
Tgt Ion:162 Resp: 1094181

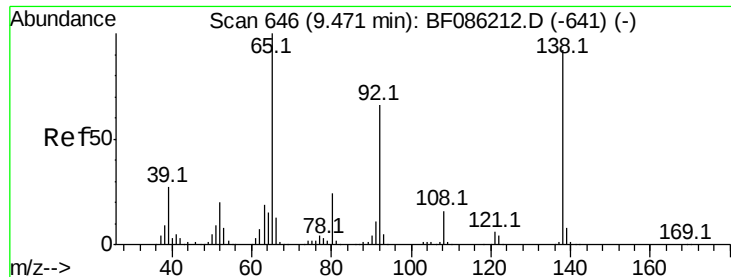
Ion Ratio Lower Upper

162 100

127 43.8 36.7 55.1

164 33.8 26.4 39.6





#47

2-Nitroaniline

Concen: 45.49 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

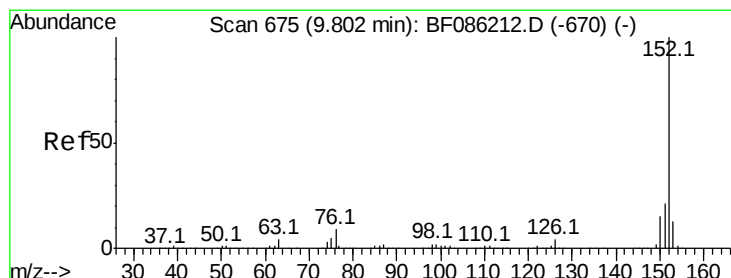
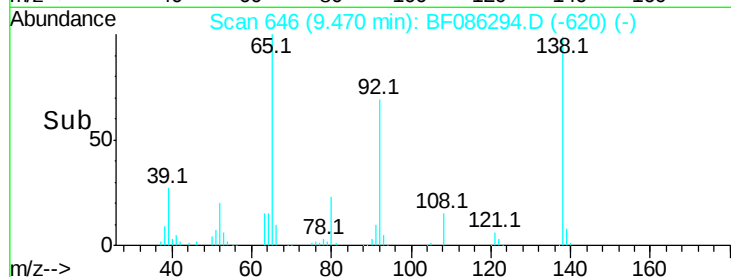
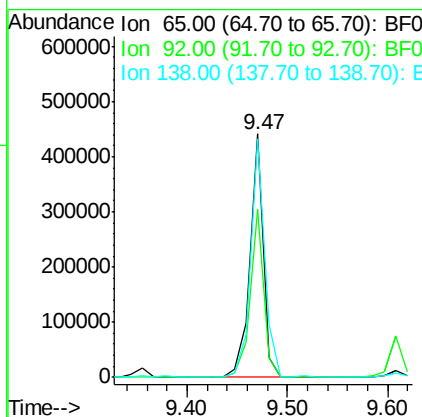
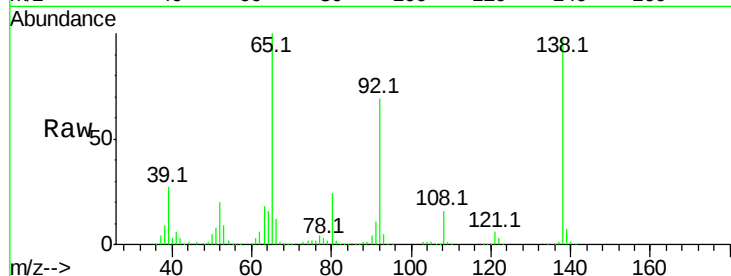
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	65	Resp:	405463
Ion Ratio	Lower	Upper	
65	100		
92	68.8	51.9	77.9
138	98.1	72.6	108.8

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#48

Acenaphthylene

Concen: 38.21 ng

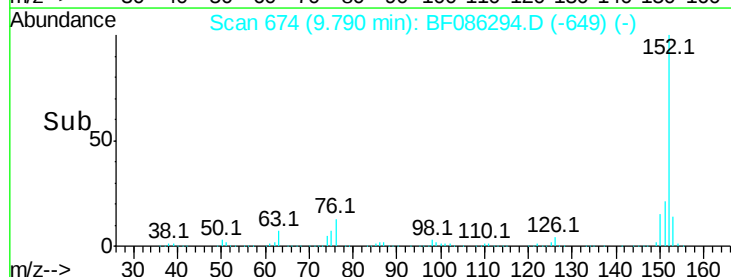
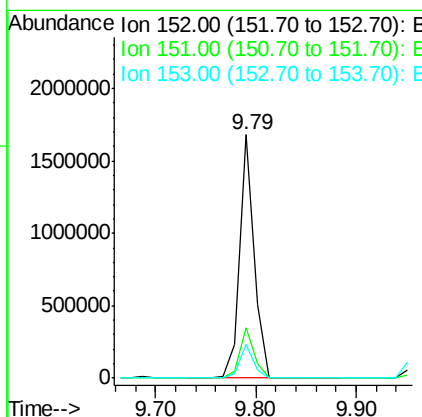
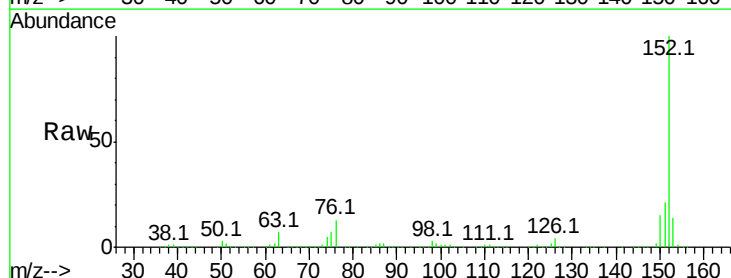
RT: 9.79 min Scan# 674

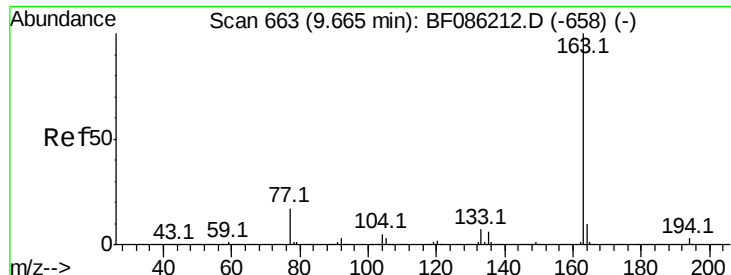
Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	152	Resp:	1673117
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.2	25.8
153	13.7	10.7	16.1





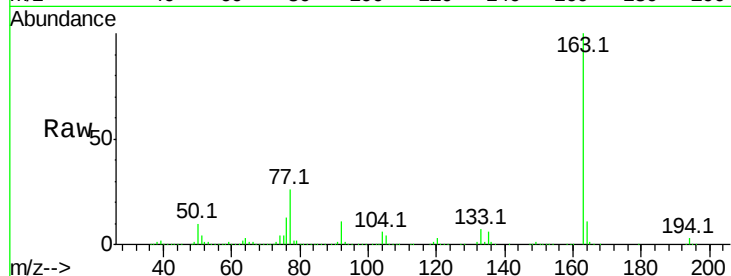
#49
Dimethylphthalate
Concen: 47.13 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

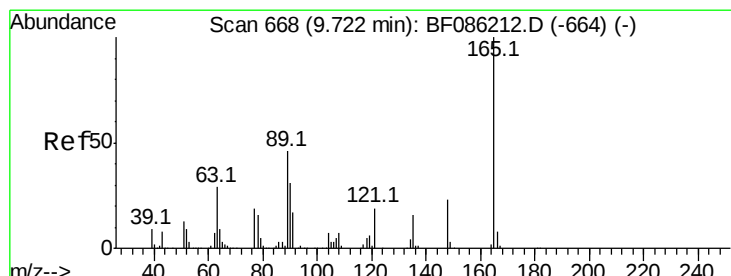
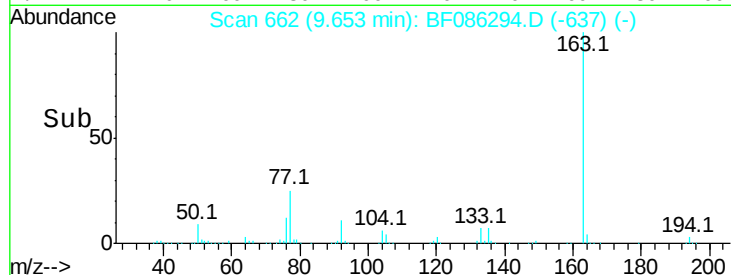
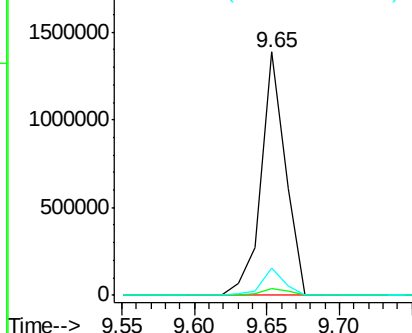
Tot Ion:163 Resp: 1604247
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 11.1 8.4 12.6

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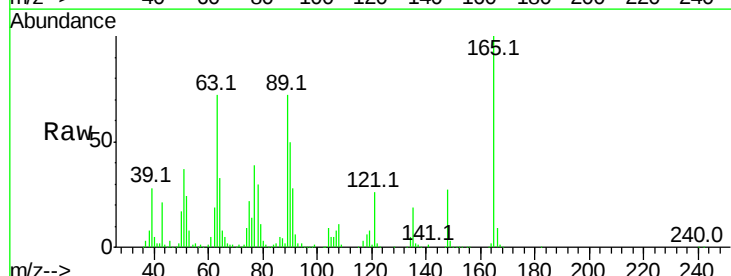


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

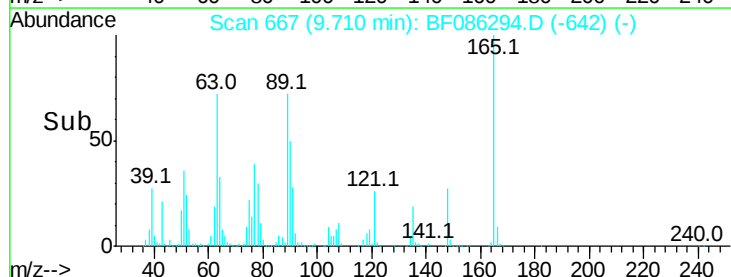
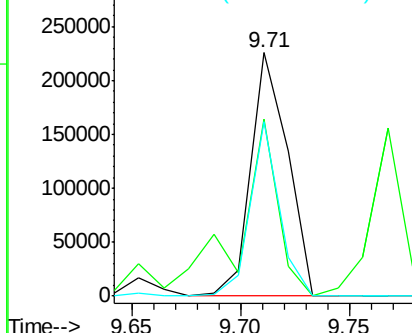


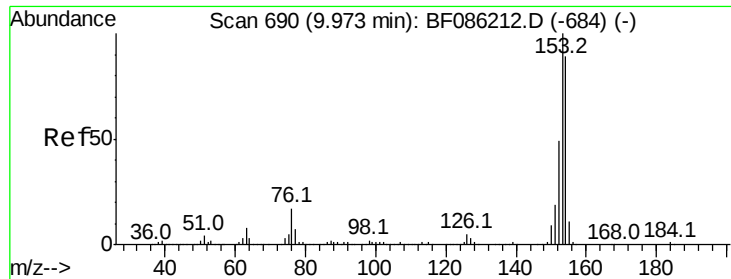
#50
2,6-Dinitrotoluene
Concen: 35.24 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion:165 Resp: 265418
Ion Ratio Lower Upper
165 100
63 72.5 35.1 52.7#
89 71.8 39.8 59.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.24 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

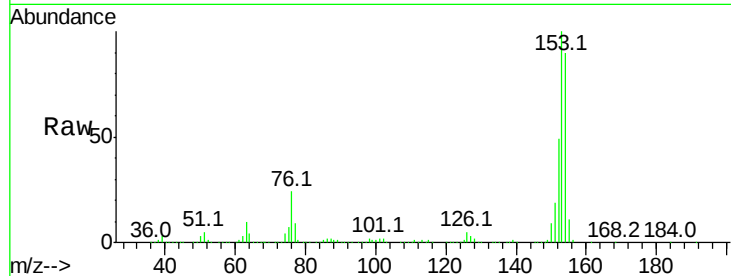
ClientSampleId :

SP-1-A(0-2)MSD

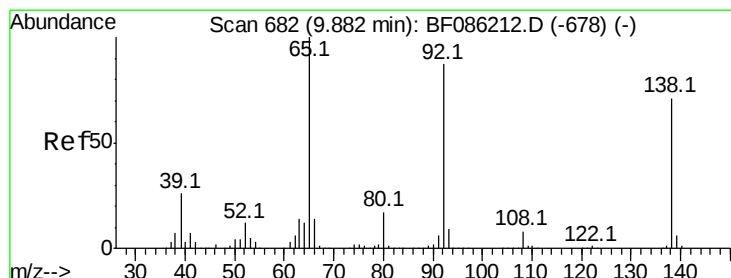
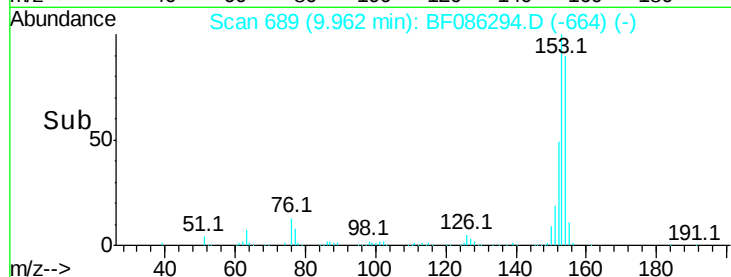
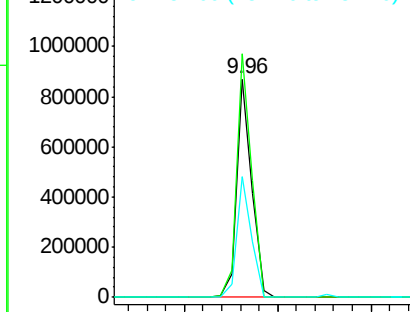
Tot Ion:	154	Resp:	973919
Ion Ratio	Lower	Upper	
154	100		
153	111.7	90.0	135.0
152	55.2	44.3	66.5

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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: 35.28 ng

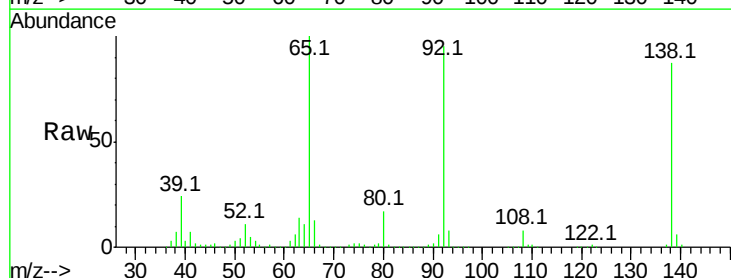
RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

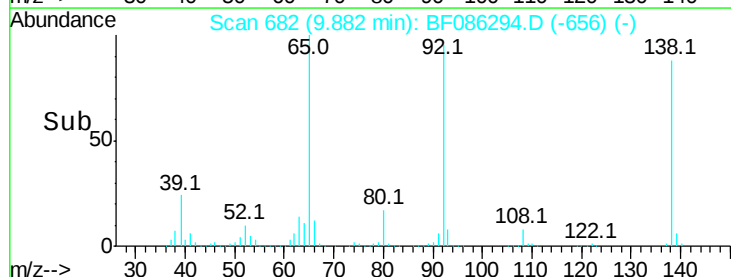
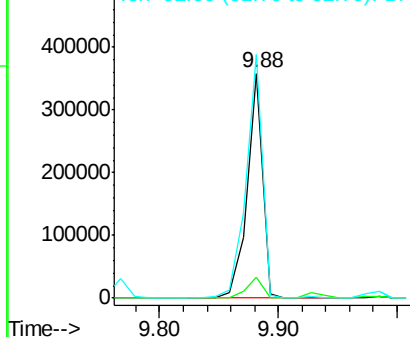
Lab File: BF086294.D

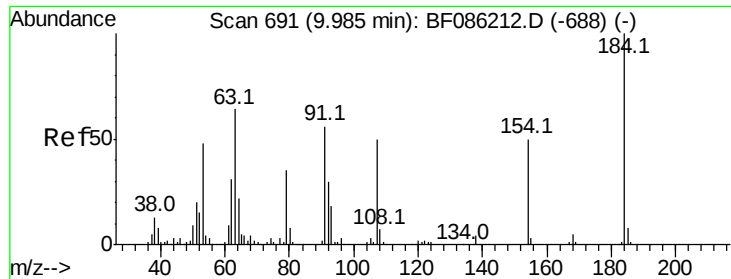
Acq: 18 Apr 2016 21:03

Tgt Ion:	138	Resp:	322921
Ion Ratio	Lower	Upper	
138	100		
108	9.6	9.0	13.4
92	108.5	99.3	148.9



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





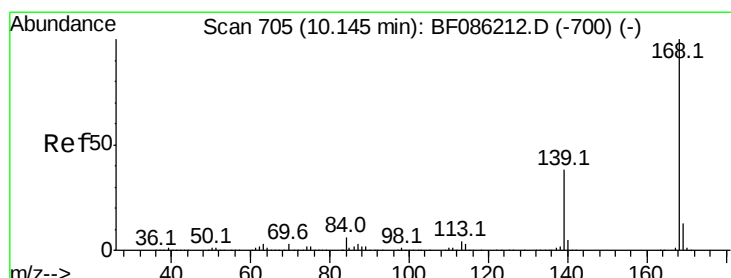
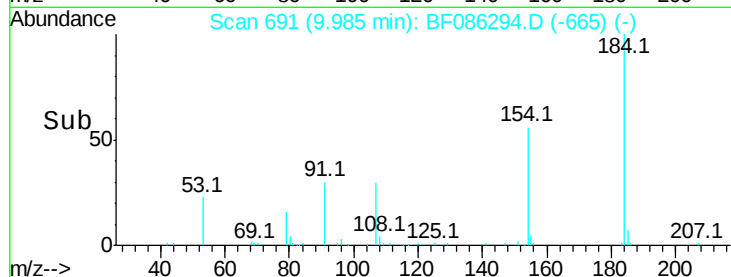
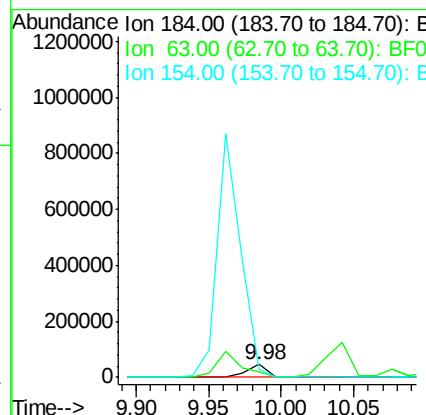
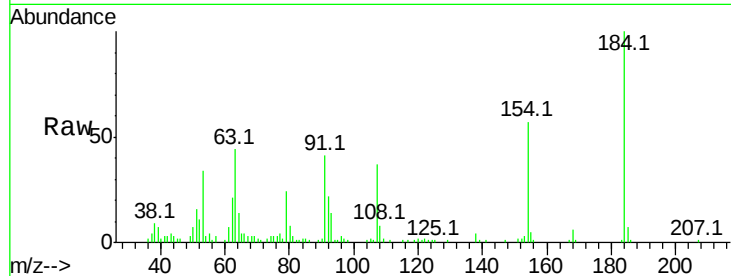
#53
2,4-Dinitrophenol
Concen: 19.07 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	44.0	64.7	97.1#	
154	57.3	59.4	89.2#	

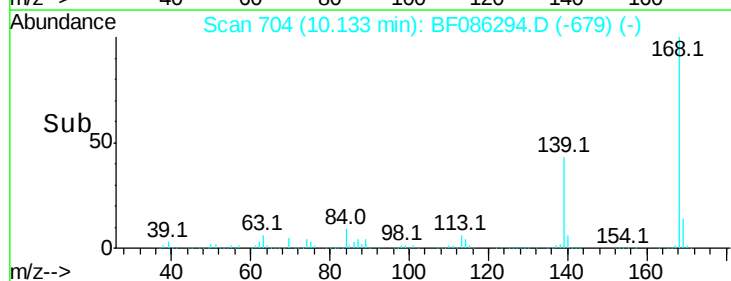
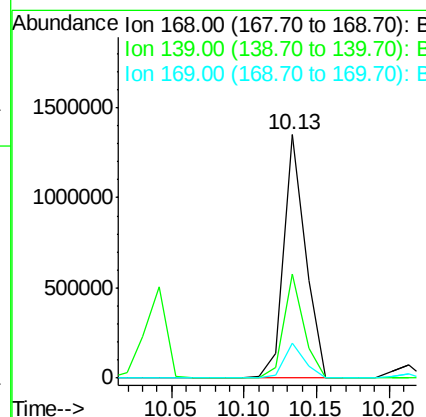
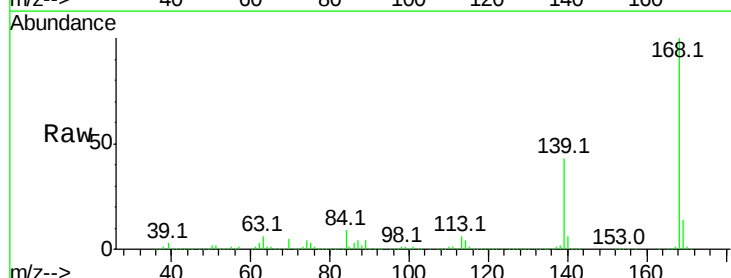
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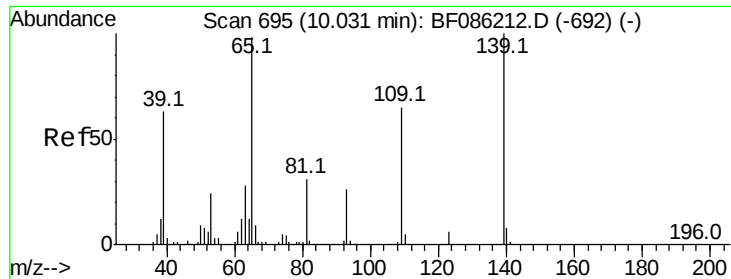
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#54
Dibenzofuran
Concen: 40.42 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	42.6	29.5	44.3	
169	14.2	10.6	16.0	





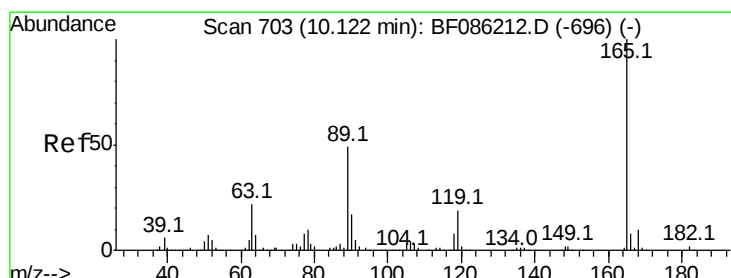
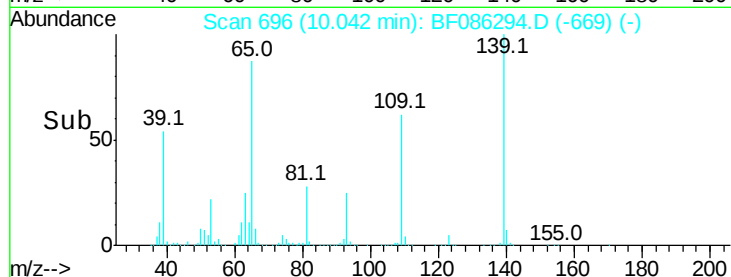
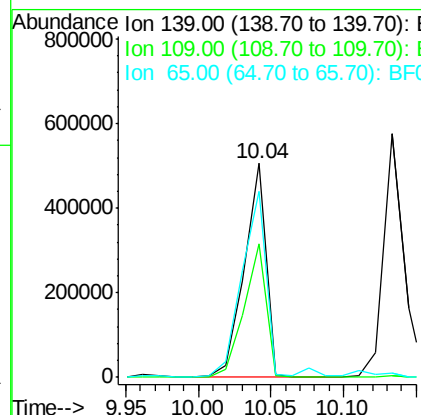
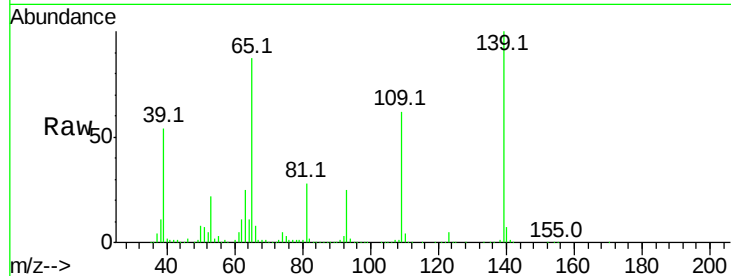
#55
4-Nitrophenol
Concen: 74.51 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	62.1	55.0	95.0	
65	87.1	87.3	127.3	

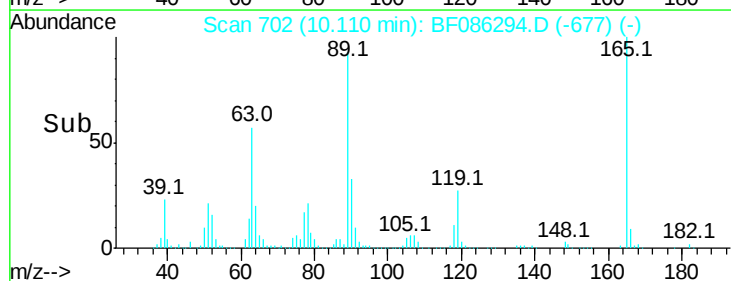
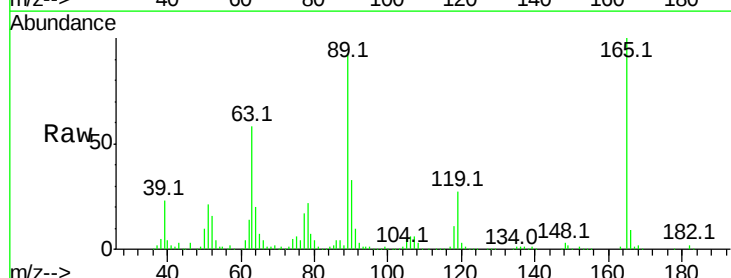
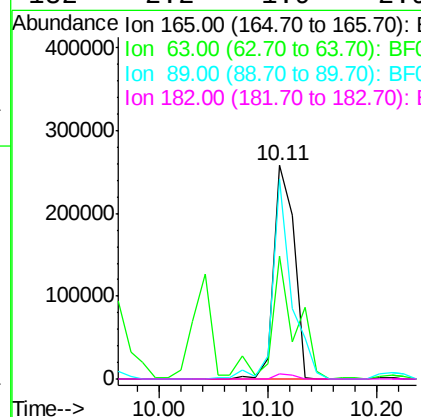
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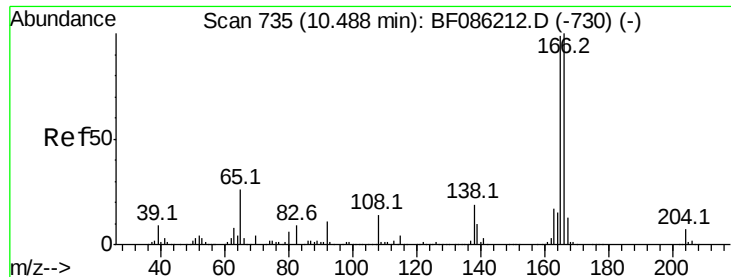
Sohil
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#56
2,4-Dinitrotoluene
Concen: 34.68 ng
RT: 10.11 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	57.5	26.6	40.0	
89	93.4	49.5	74.3	
182	2.2	1.9	2.9	





#57

Fluorene

Concen: 36.76 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

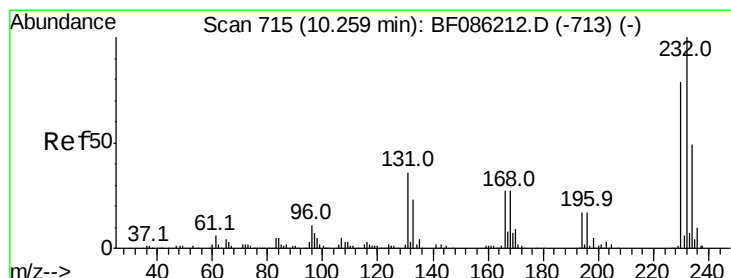
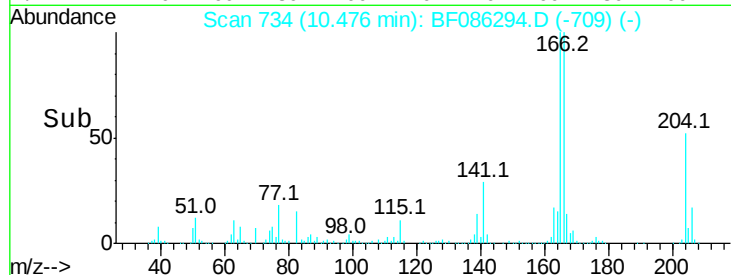
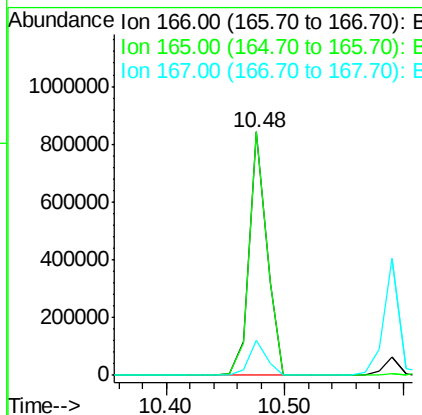
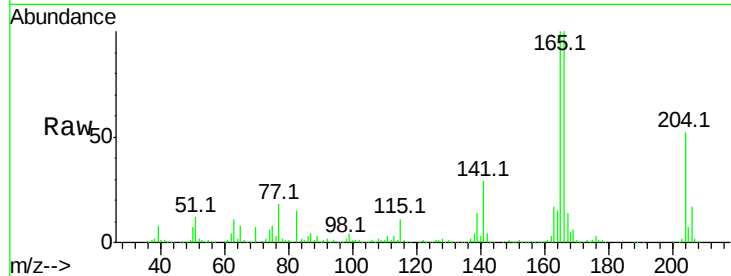
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	166	Resp:	883570
Ion Ratio	Lower	Upper	
166	100		
165	100.0	78.6	117.8
167	14.2	10.4	15.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 38.71 ng

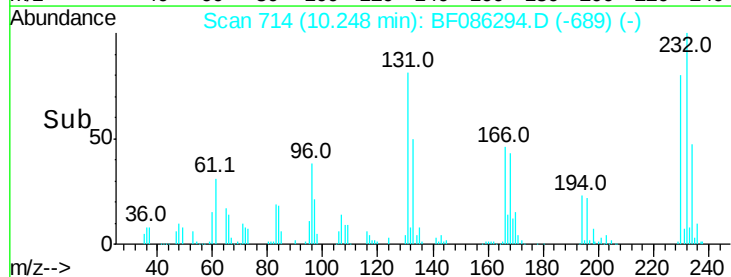
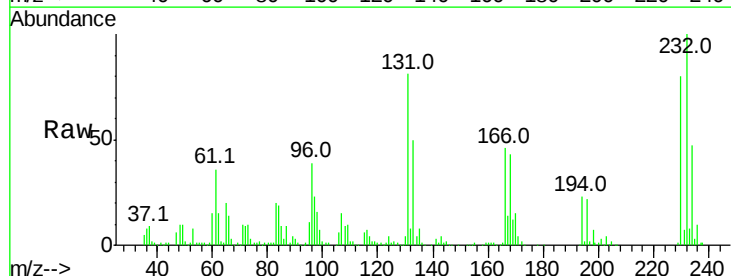
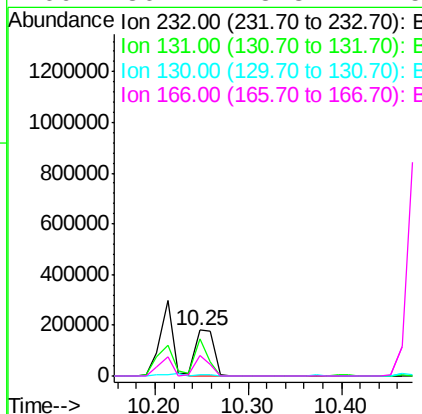
RT: 10.25 min Scan# 714

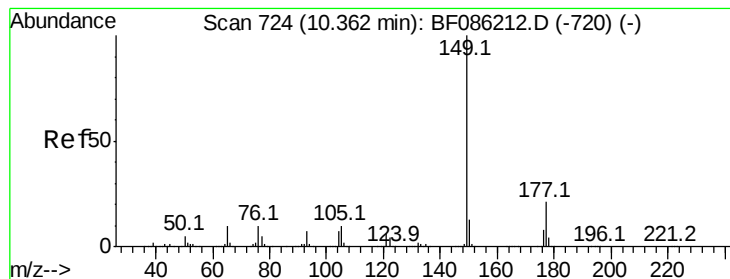
Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	232	Resp:	250475
Ion Ratio	Lower	Upper	
232	100		
131	54.8	46.6	70.0
130	0.0	2.5	3.7#
166	36.7	28.3	42.5





#59

Diethylphthalate

Concen: 38.44 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:149 Resp: 1350760

Ion Ratio Lower Upper

149 100

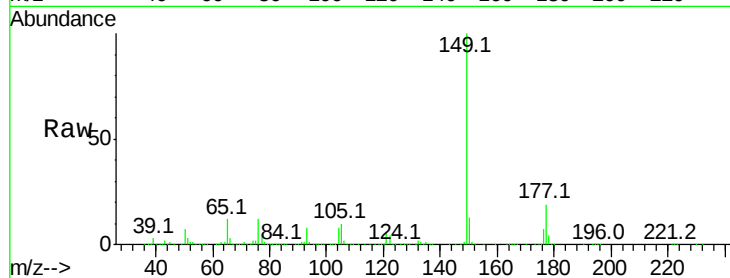
177 18.7 17.0 25.6

150 13.2 10.2 15.4

Manual Integrations
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Sohil

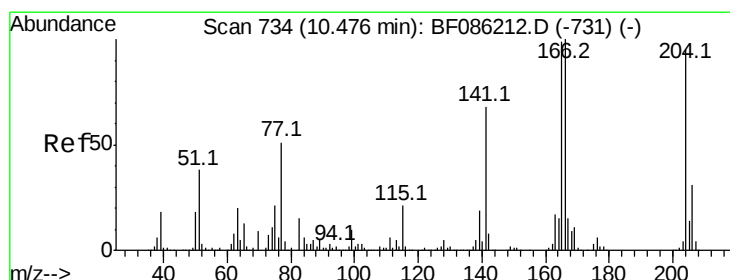
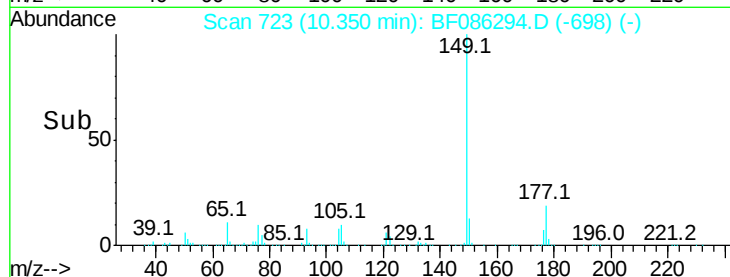
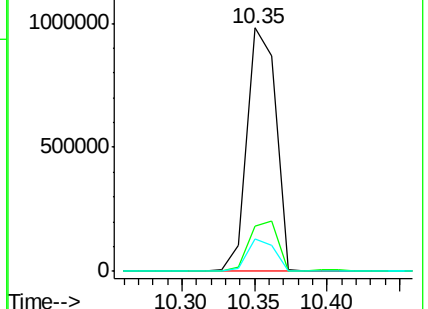
4/19/2016 6:25:16 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.06 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

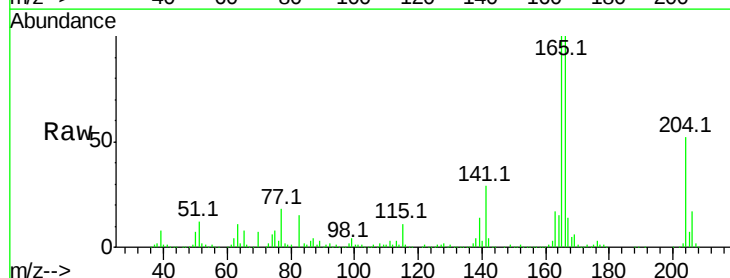
Tgt Ion:204 Resp: 450610

Ion Ratio Lower Upper

204 100

206 32.9 26.2 39.2

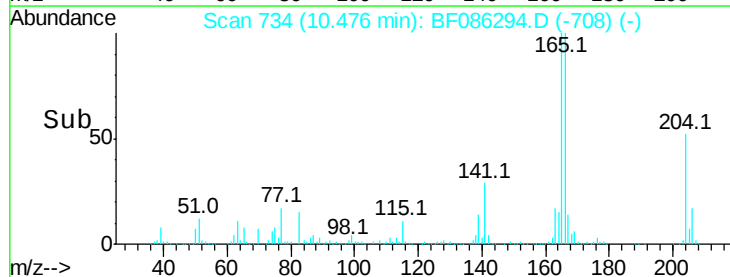
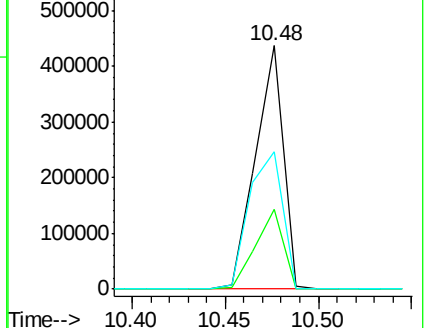
141 56.2 55.4 83.0

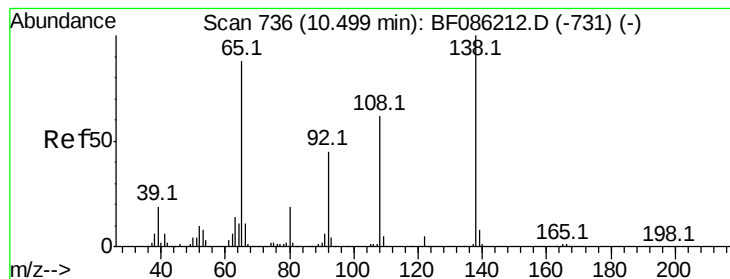


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





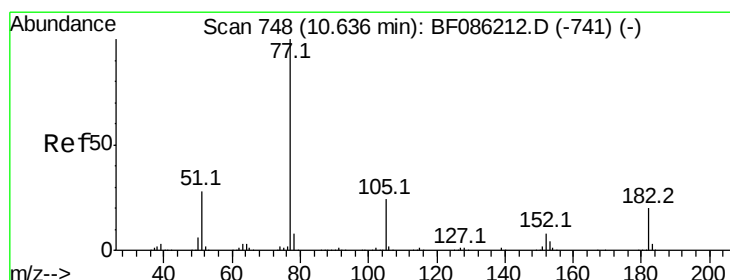
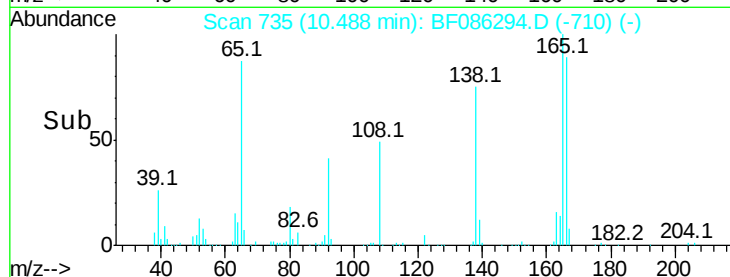
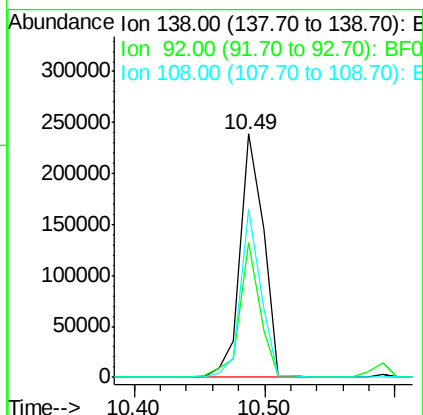
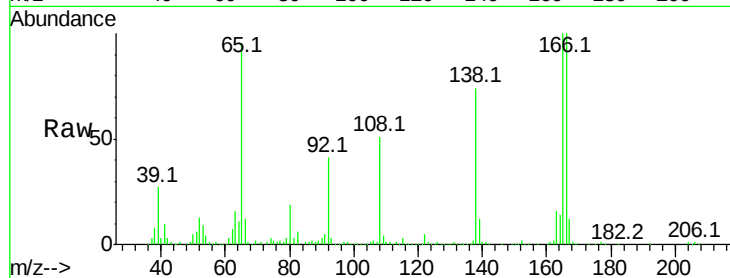
#61
4-Nitroaniline
Concen: 37.44 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	296193		
92	55.5	31.9	71.9	
108	69.3	58.7	98.7	

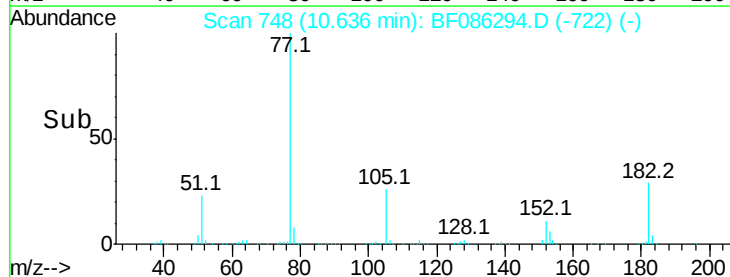
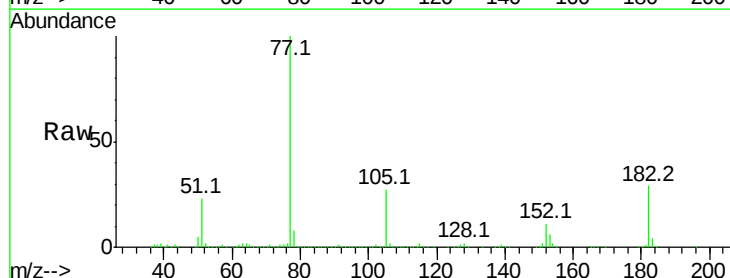
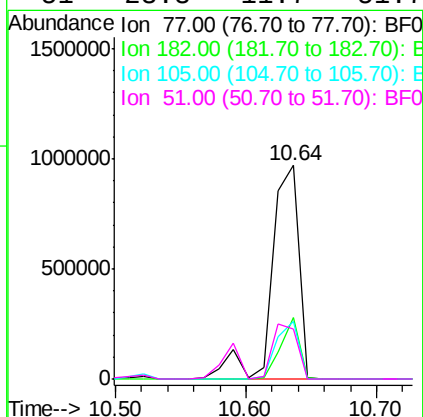
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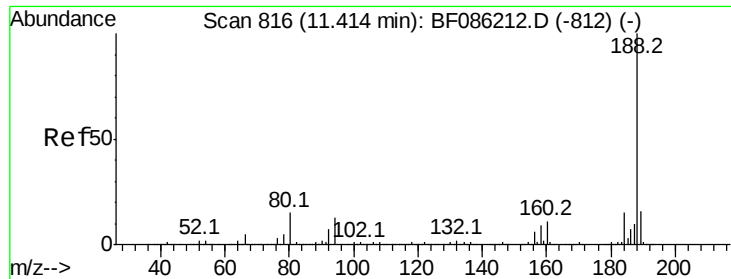
Sohil
4/19/2016 6:25:16 PM



#62
Azobenzene
Concen: 41.27 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1418701		
182	28.9	2.3	42.3	
105	26.8	3.4	43.4	
51	23.3	11.7	51.7	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

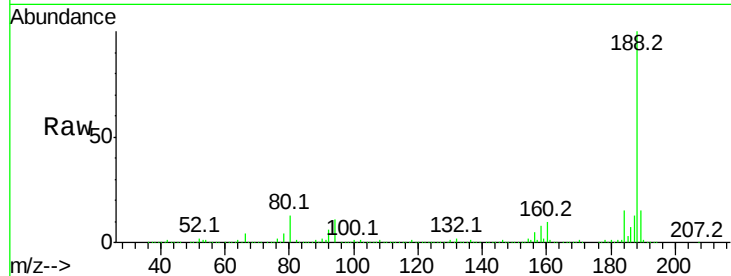
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	188	Resp:	724220
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.8	14.8
80	12.5	10.5	15.7

Manual Integrations
APPROVED

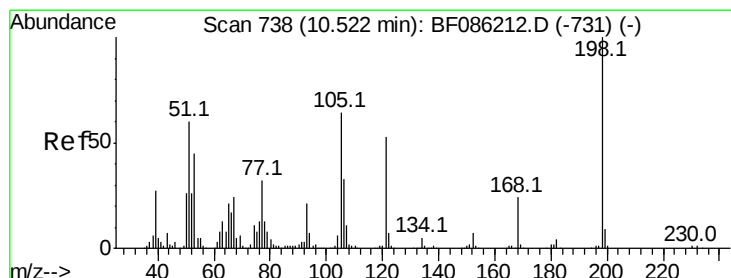
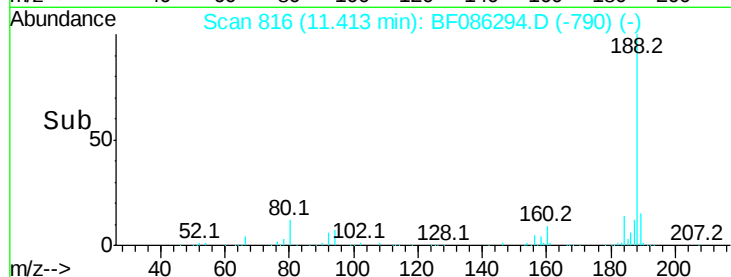
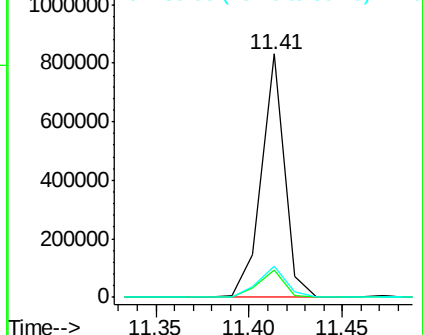
Sohil
4/19/2016 6:25:16 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 13.03 ng

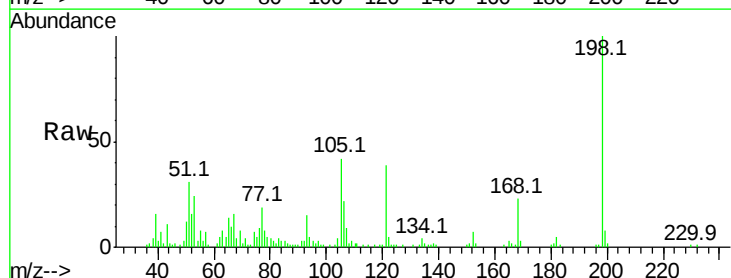
RT: 10.52 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

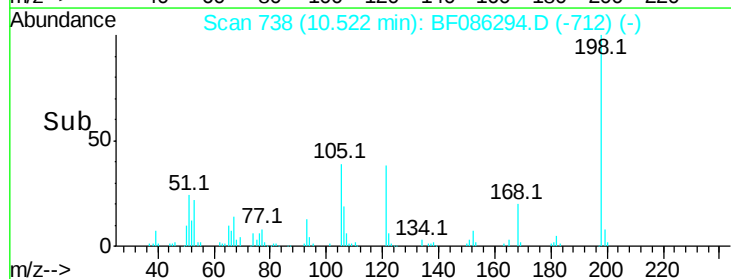
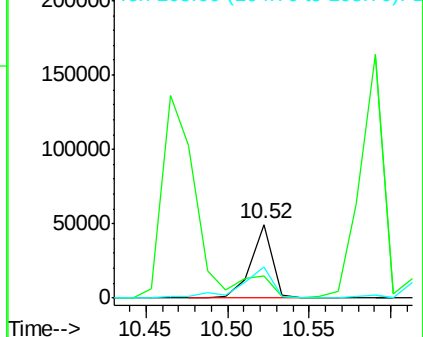
Tgt Ion:	198	Resp:	44915
Ion Ratio	Lower	Upper	
198	100		
51	30.6	56.5	96.5#
105	41.9	48.0	88.0#

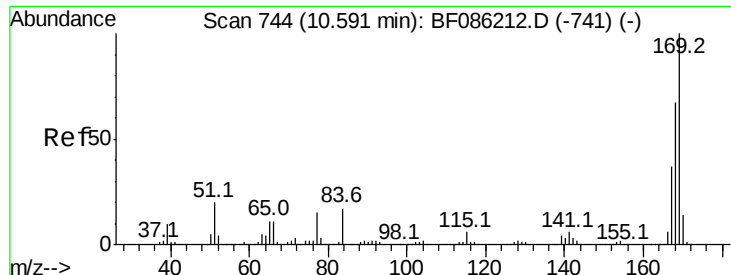


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 43.27 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

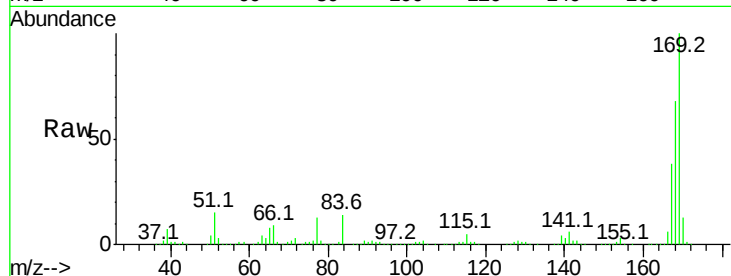
ClientSampleId :

SP-1-A(0-2)MSD

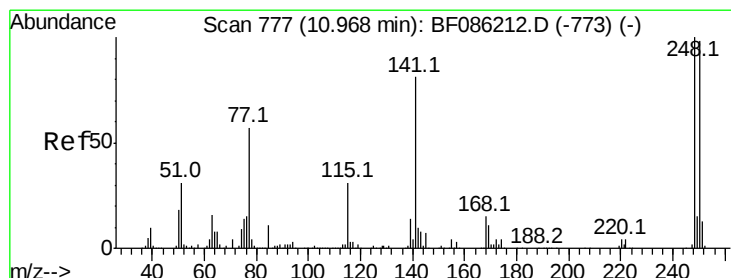
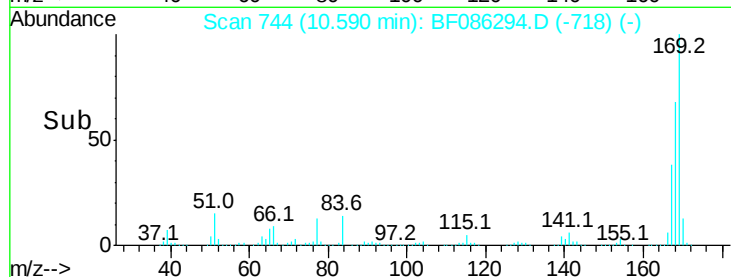
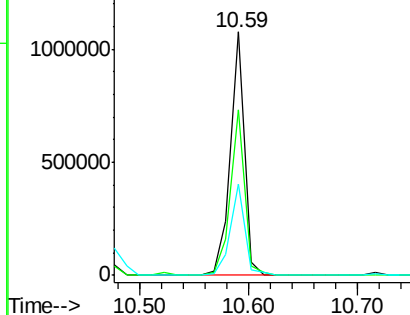
Tot Ion:	169	Resp:	959784
Ion Ratio	Lower	Upper	
169	100		
168	67.8	54.3	81.5
167	37.5	30.2	45.2

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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: 41.50 ng

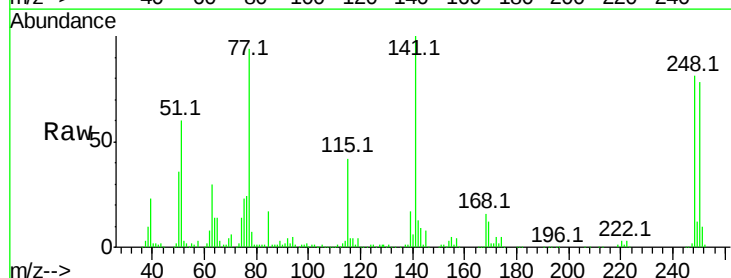
RT: 10.96 min Scan# 776

Delta R.T. -0.01 min

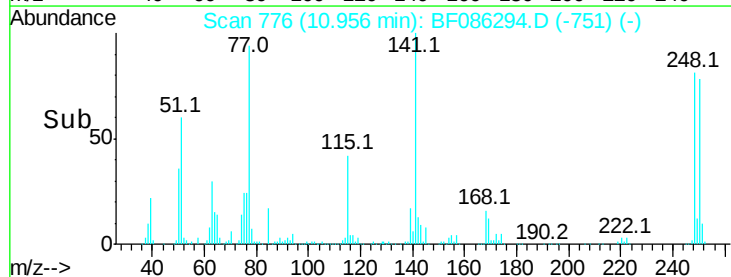
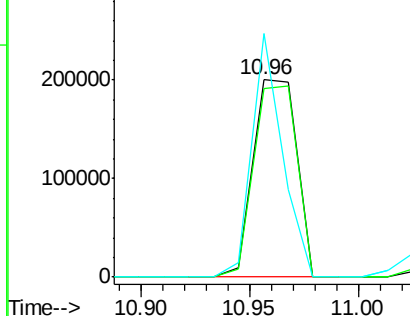
Lab File: BF086294.D

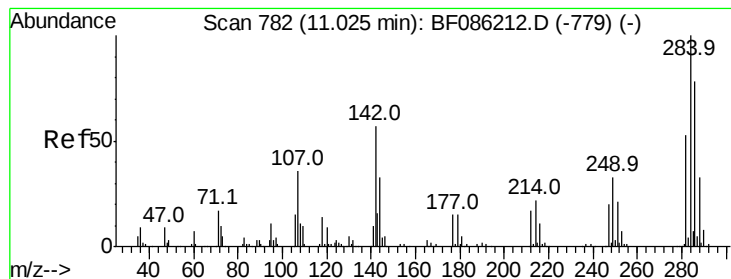
Acq: 18 Apr 2016 21:03

Tgt Ion:	248	Resp:	280085
Ion Ratio	Lower	Upper	
248	100		
250	95.7	78.6	118.0
141	123.5	57.9	86.9#



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





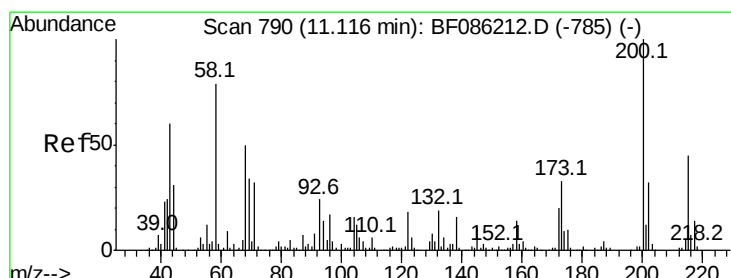
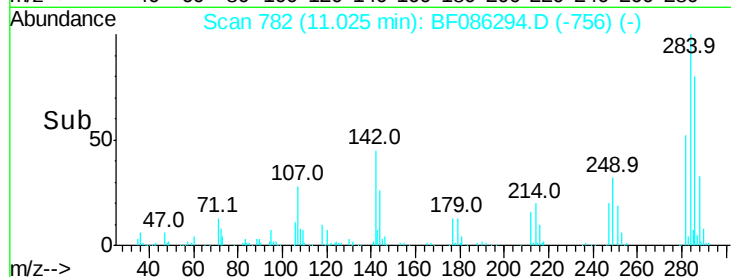
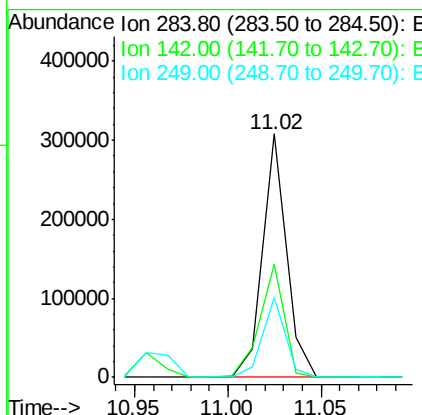
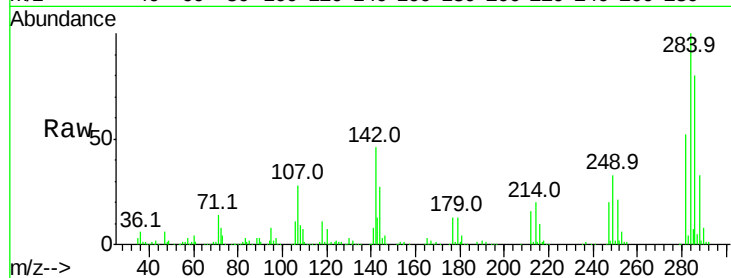
#67
Hexachlorobenzene
Concen: 38.46 ng
RT: 11.02 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	272019		
142	46.4	42.6	64.0	
249	32.5	25.9	38.9	

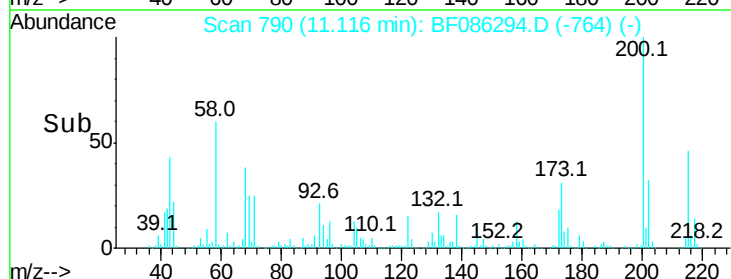
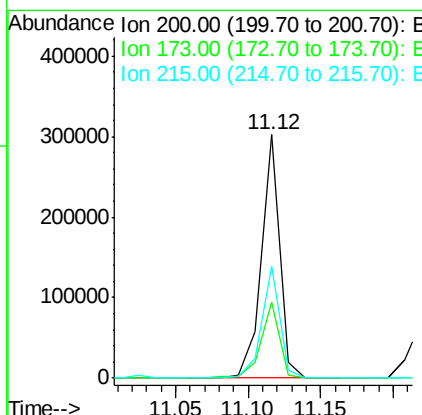
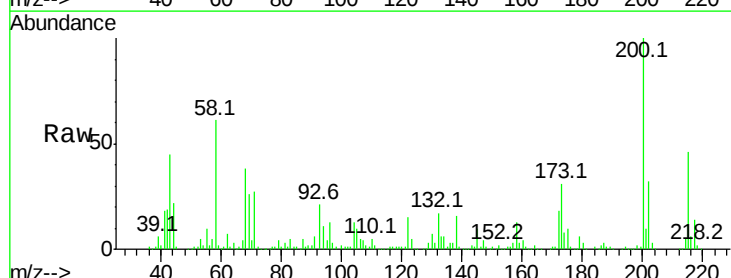
Manual Integrations
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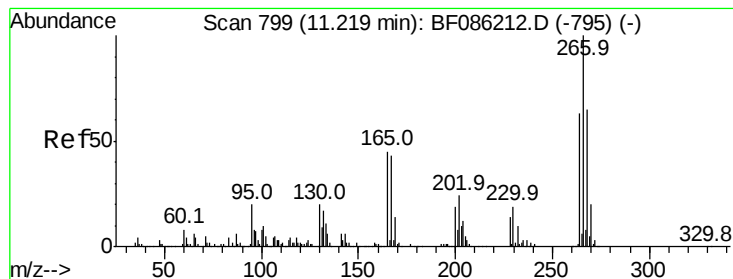
Sohil
4/19/2016 6:25:16 PM



#68
Atrazine
Concen: 38.79 ng
RT: 11.12 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	263649		
173	31.1	11.2	51.2	
215	46.1	24.0	64.0	





#69

Pentachlorophenol

Concen: 71.19 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

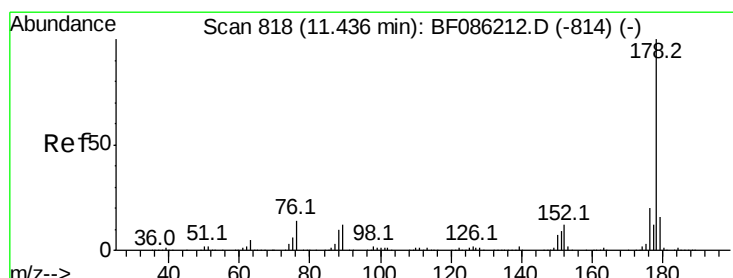
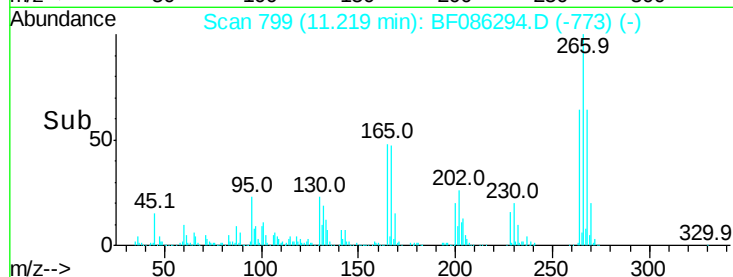
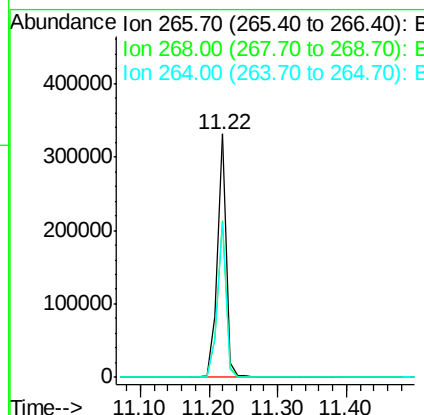
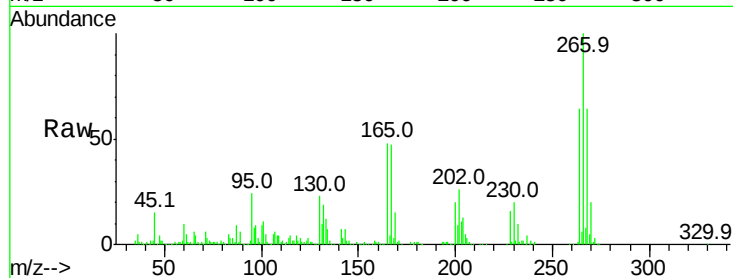
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:	266	Resp:	305349
Ion Ratio	Lower	Upper	
266	100		
268	64.3	53.0	79.4
264	63.8	51.3	76.9

Manual Integrations
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#70

Phenanthrene

Concen: 39.00 ng

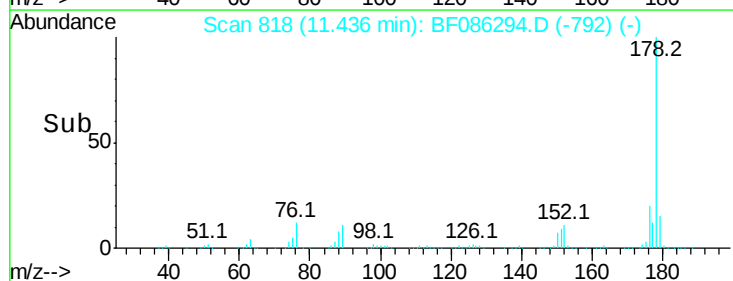
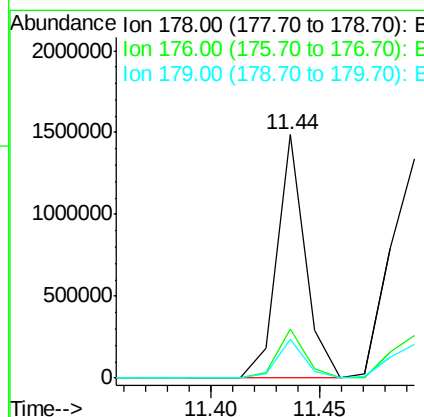
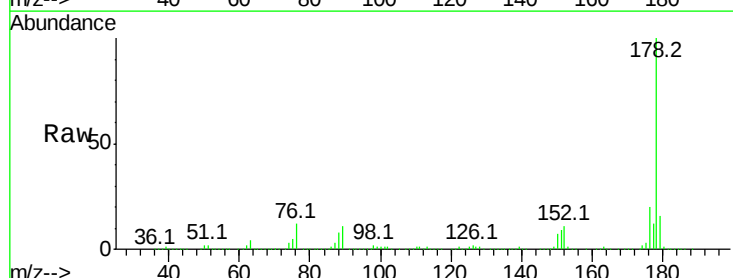
RT: 11.44 min Scan# 818

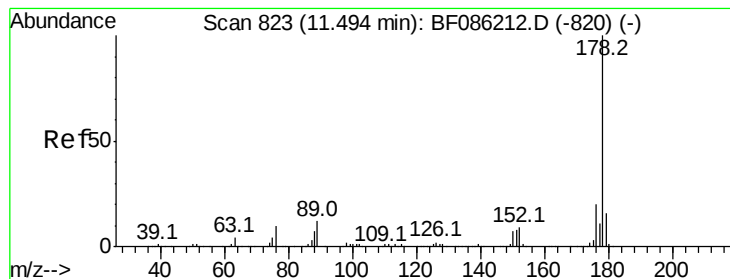
Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:	178	Resp:	1349210
Ion Ratio	Lower	Upper	
178	100		
176	20.3	16.3	24.5
179	16.1	13.0	19.6





#71

Anthracene

Concen: 46.65 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:178 Resp: 1492803

Ion Ratio Lower Upper

178 100

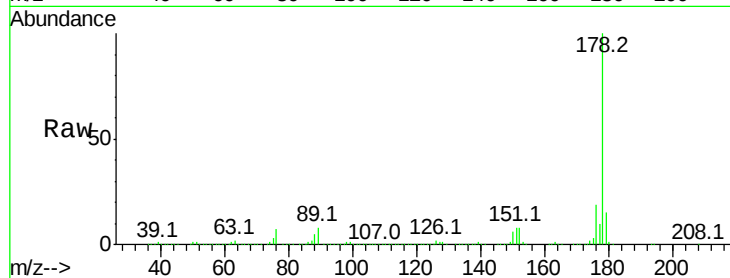
176 19.4 16.2 24.4

179 15.4 13.2 19.8

Manual Integrations
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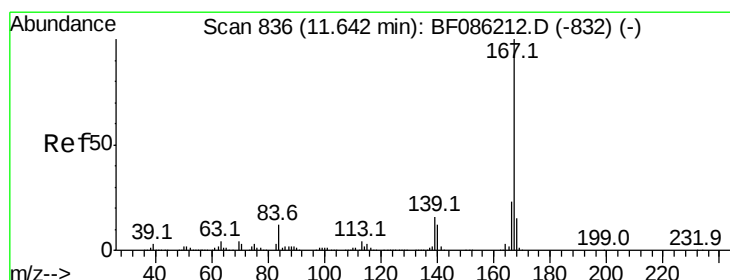
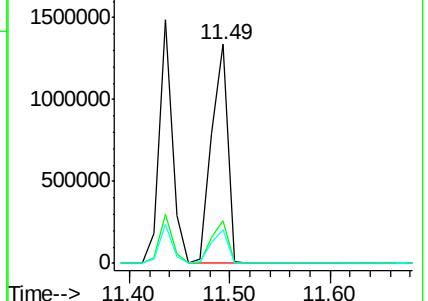
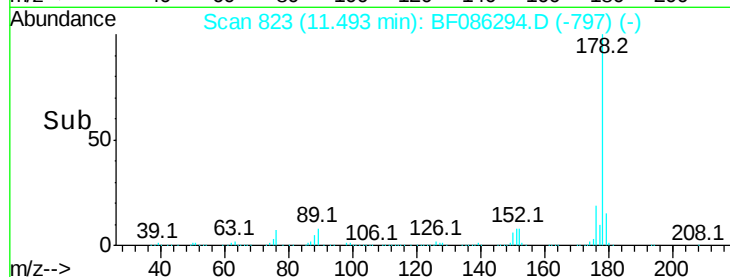
4/19/2016 6:25:16 PM



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: 39.46 ng

RT: 11.64 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

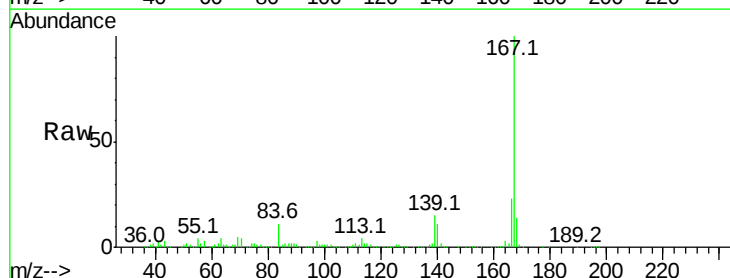
Tgt Ion:167 Resp: 1298135

Ion Ratio Lower Upper

167 100

166 22.6 18.3 27.5

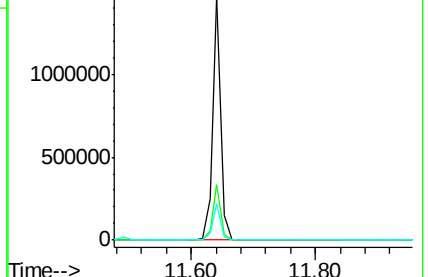
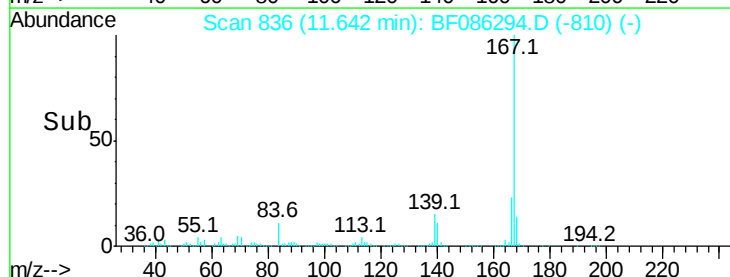
139 15.0 12.3 18.5

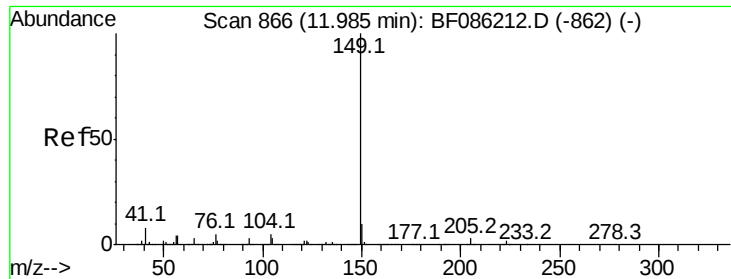


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 41.30 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:149 Resp: 1837050

Ion Ratio Lower Upper

149 100

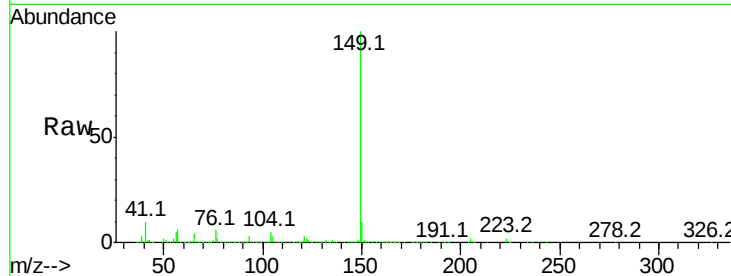
150 9.9 7.8 11.8

104 5.4 4.1 6.1

Manual Integrations
APPROVED

Sohil

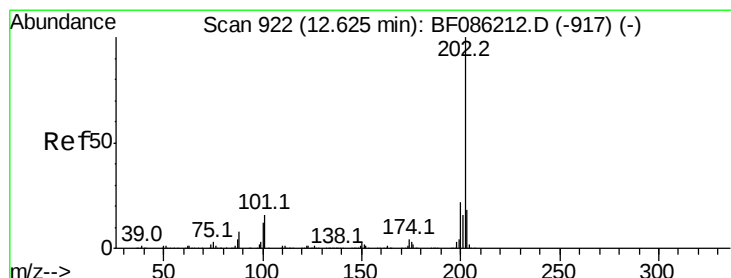
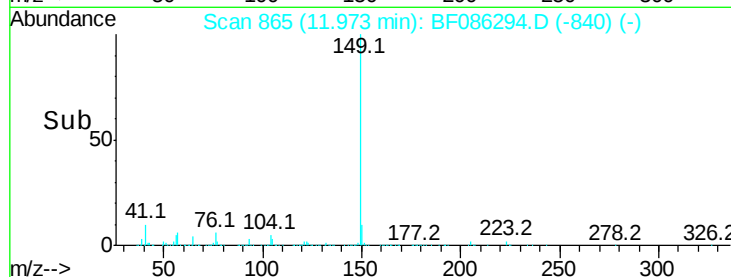
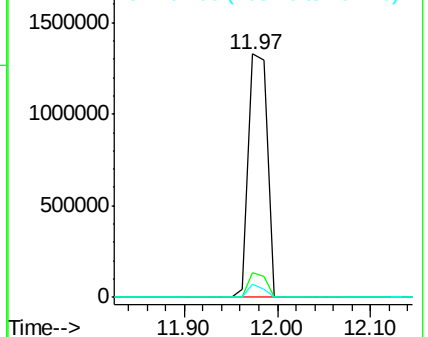
4/19/2016 6:25:16 PM



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: 48.90 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

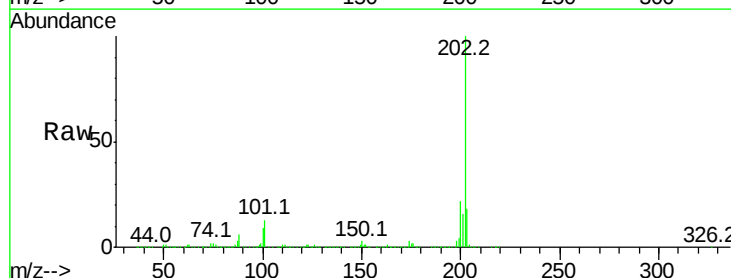
Tgt Ion:202 Resp: 1441380

Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.2

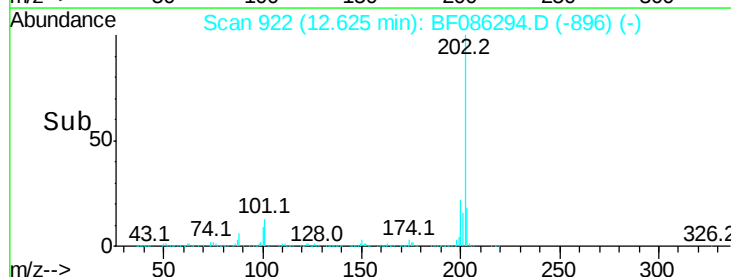
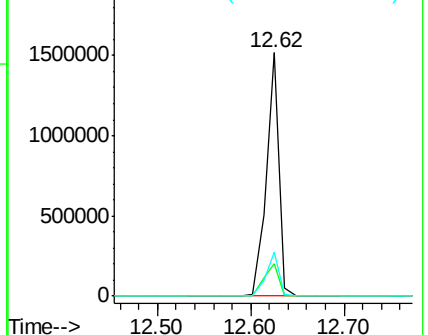
203 17.8 0.0 38.2

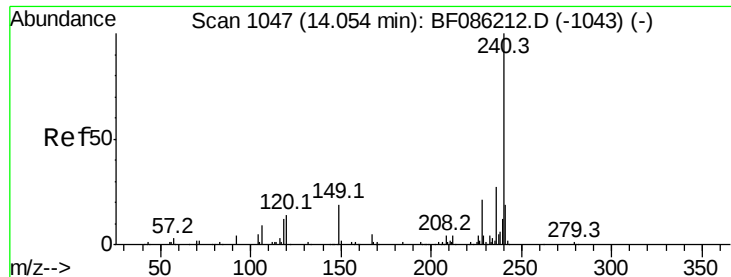


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

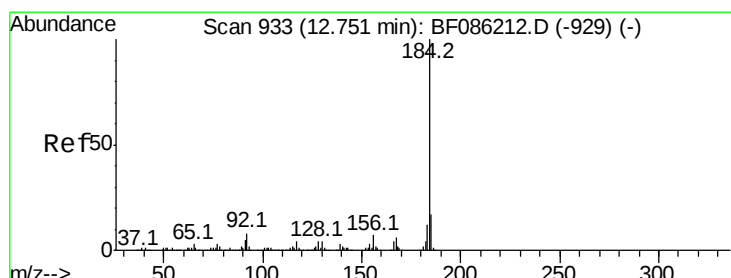
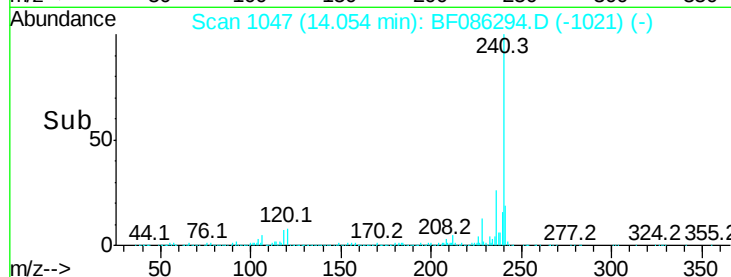
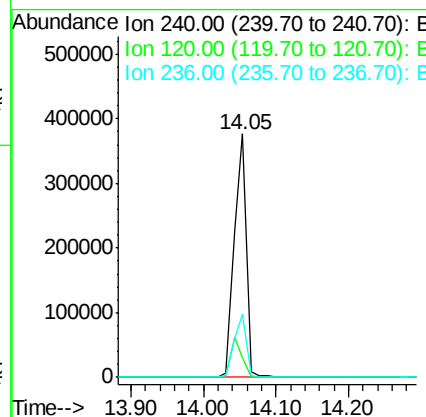
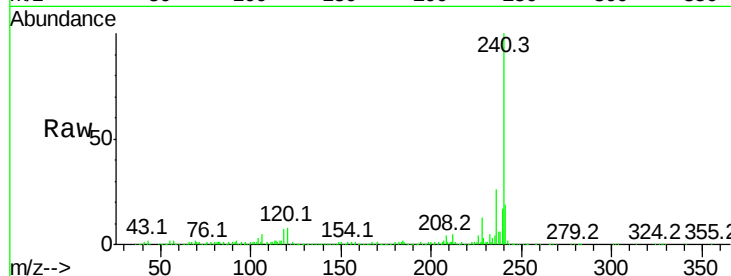
ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	9.3	13.9#
236	26.0	21.1	31.7

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#76

Benzidine

Concen: 40.11 ng

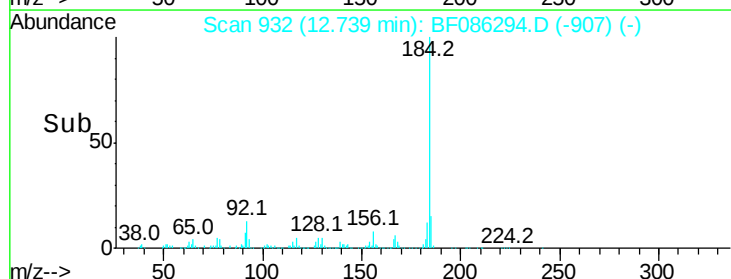
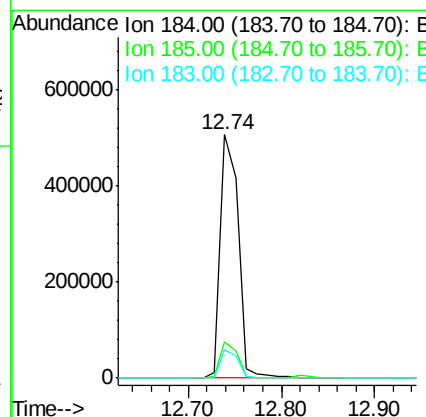
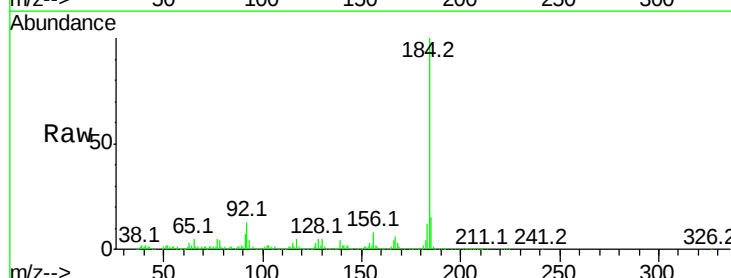
RT: 12.74 min Scan# 932

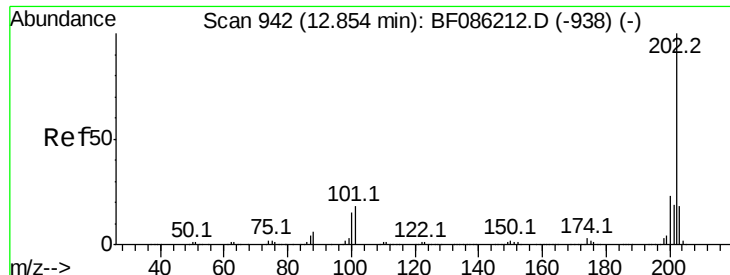
Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.7	14.2	21.2
183	11.7	9.8	14.6





#77

Pvrene

Concen: 42.98 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:202 Resp: 1424885

Ion Ratio Lower Upper

202 100

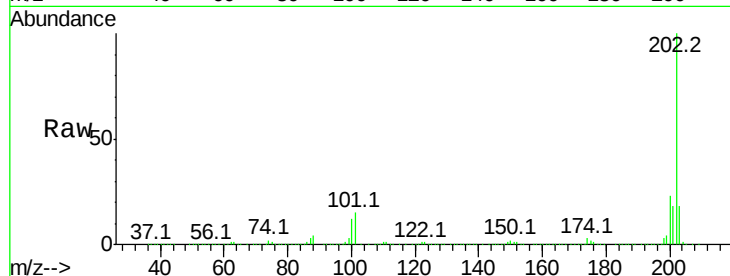
200 22.7 18.3 27.5

203 18.0 14.9 22.3

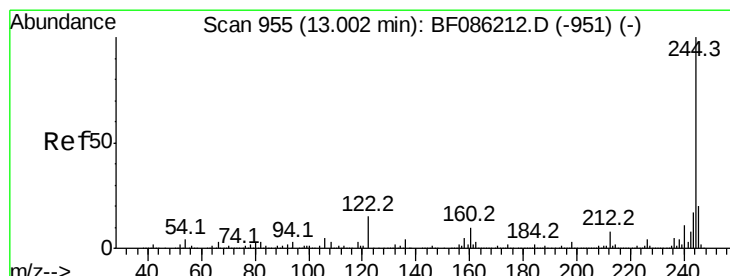
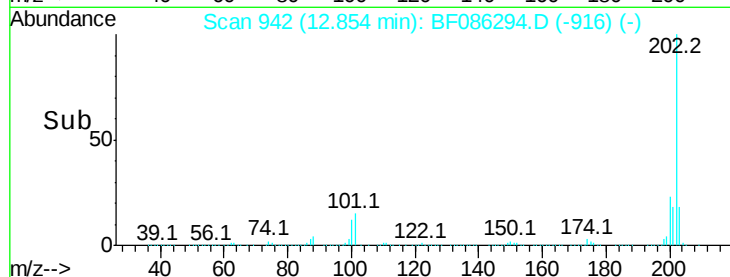
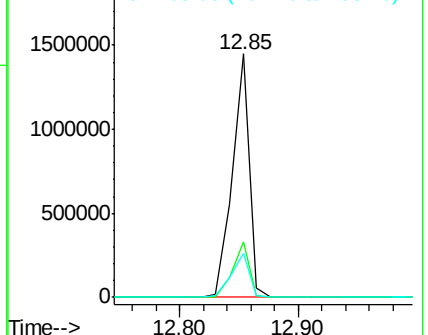
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
2000000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.39 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

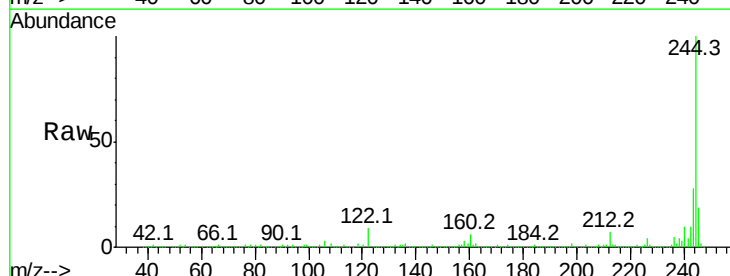
Tgt Ion:244 Resp: 1381670

Ion Ratio Lower Upper

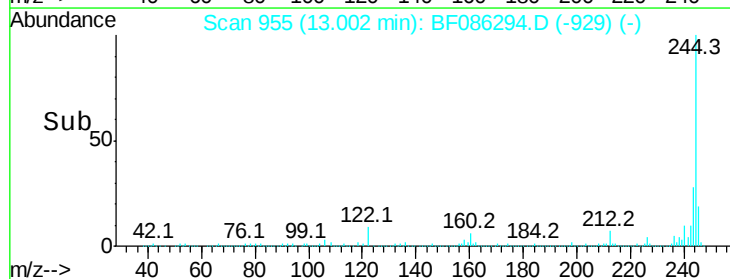
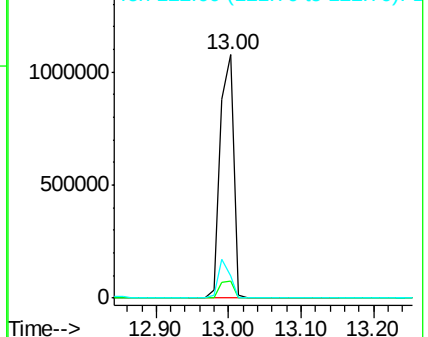
244 100

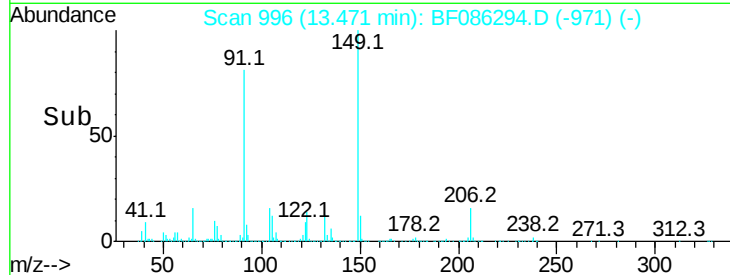
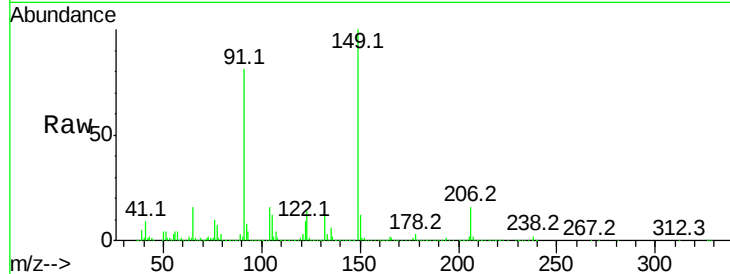
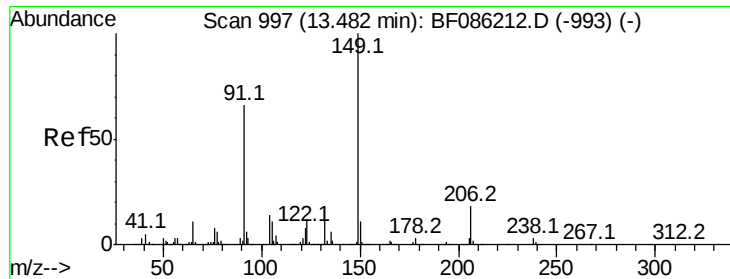
212 6.9 6.4 9.6

122 8.9 11.7 17.5#



Abundance Ion 244.00 (243.70 to 244.70): E
1500000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





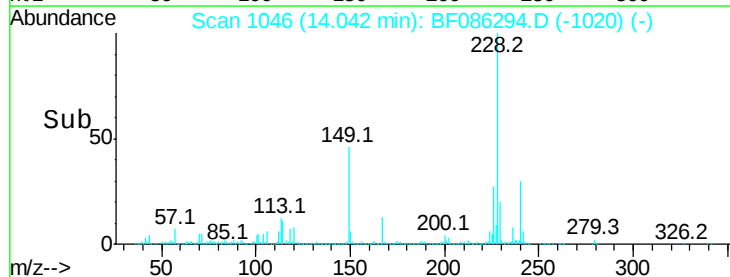
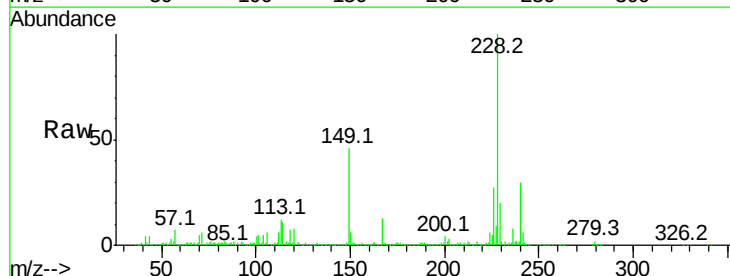
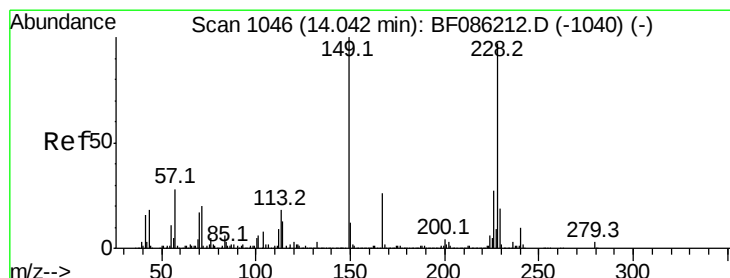
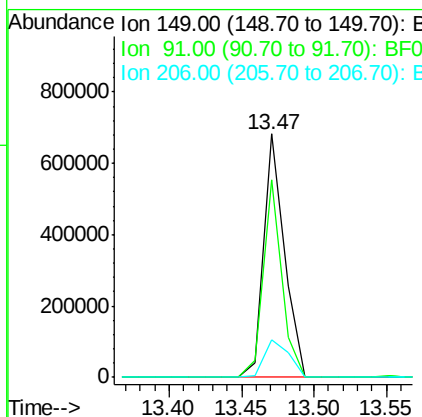
#79
Butylbenzylphthalate
Concen: 43.97 ng
RT: 13.47 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tot Ion	Ratio	Resp	Lower	Upper
149	100	673495		
91	81.3	48.7	73.1#	
206	15.6	15.7	23.5#	

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

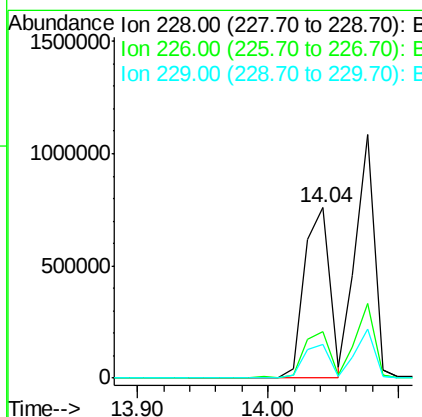
Manual Integrations
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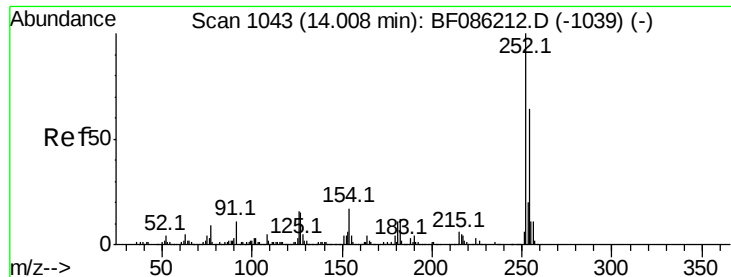
Sohil
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#80
Benzo(a)anthracene
Concen: 42.41 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1006043		
226	27.5	22.5	33.7	
229	19.7	16.2	24.2	





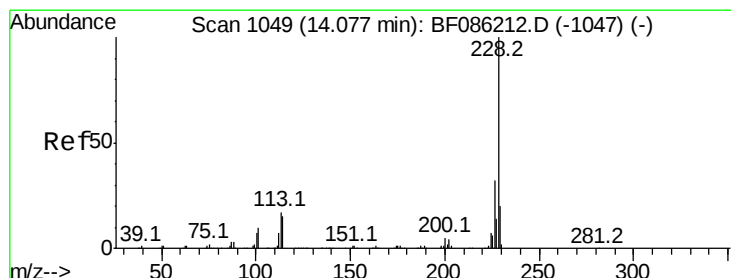
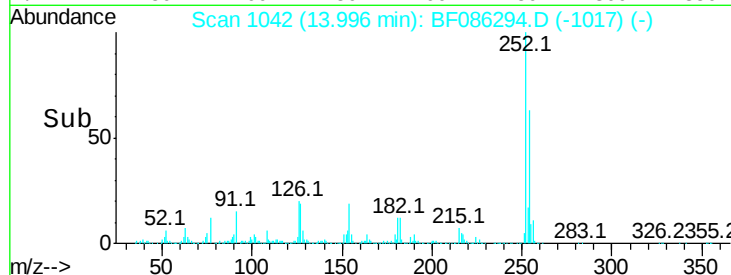
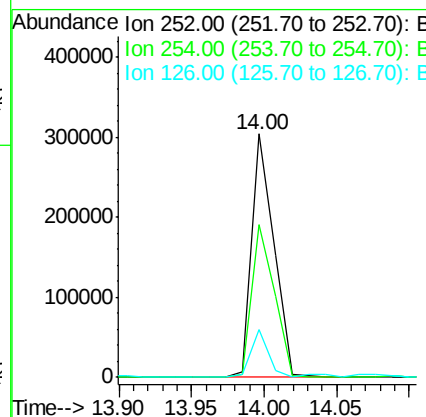
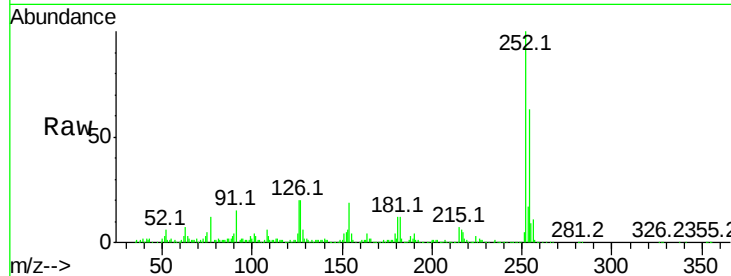
#81
3,3'-Dichlorobenzidine
Concen: 23.51 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.8	52.1	78.1
126	19.7	13.2	19.8

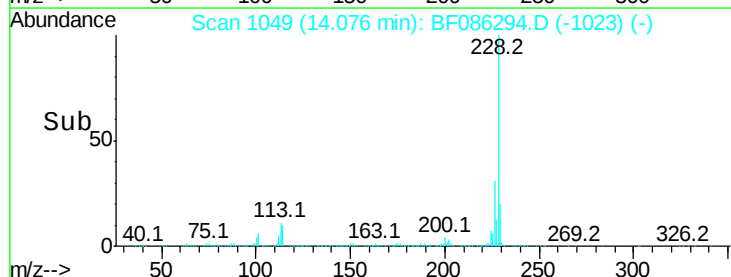
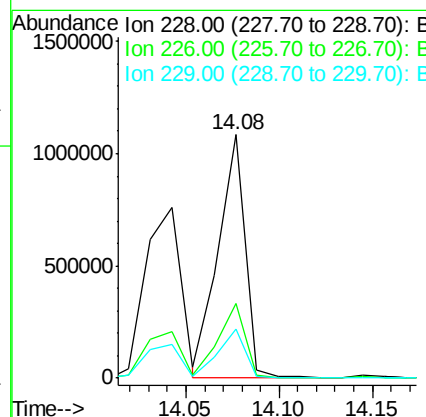
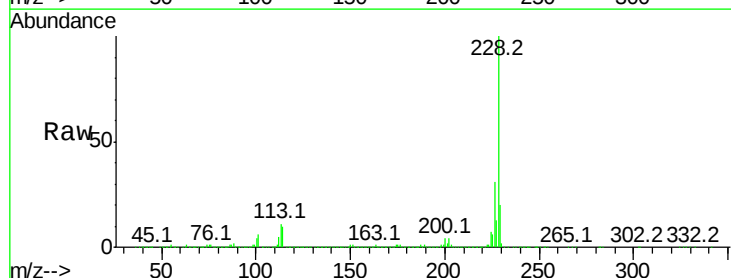
Manual Integrations
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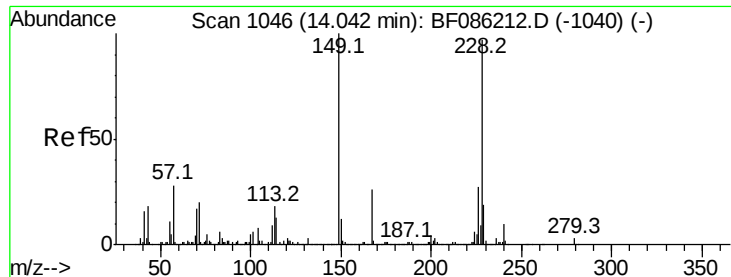
Sohil
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#82
Chrysene
Concen: 42.85 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.2
229	20.2	16.5	24.7





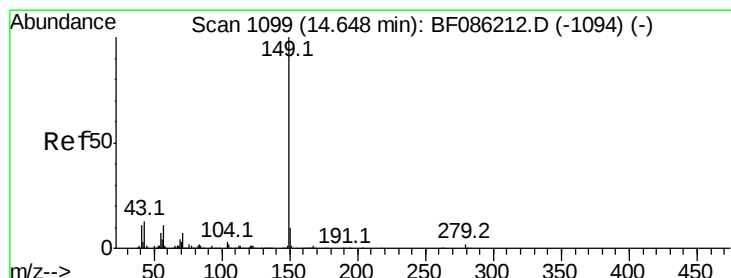
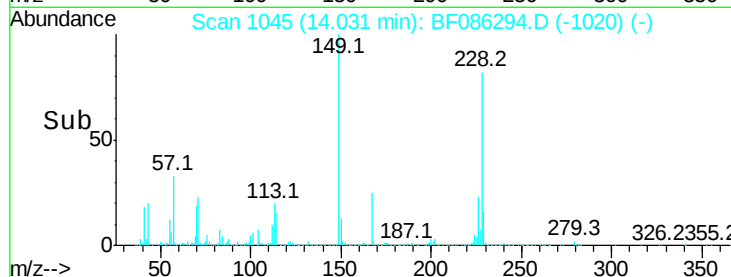
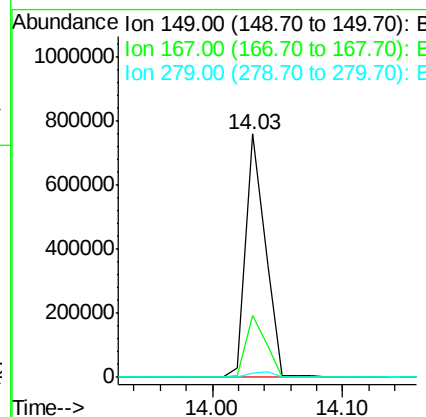
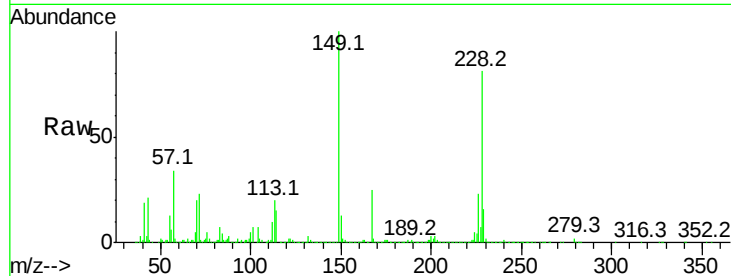
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.67 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	25.3	21.0	31.4	
279	1.9	2.4	3.6	

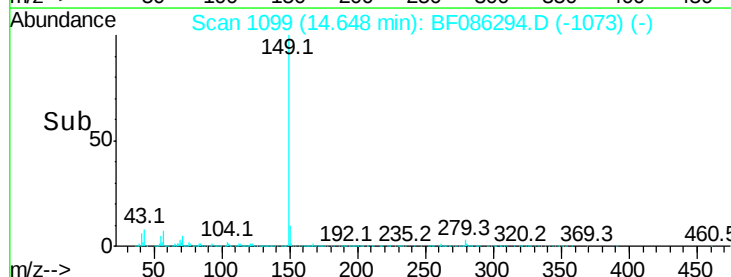
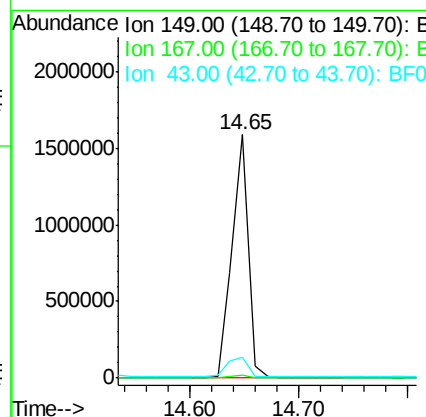
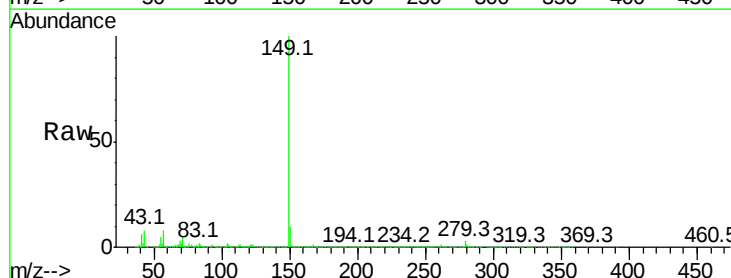
Manual Integrations
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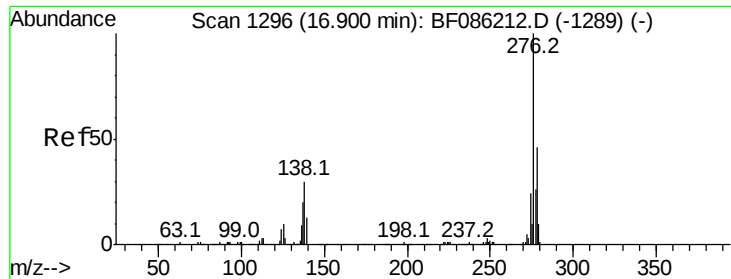
Sohil
 4/19/2016 6:25:16 PM



#84
 Di-n-octyl phthalate
 Concen: 51.09 ng
 RT: 14.65 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.4	1.1	1.7	
43	10.7	9.1	13.7	





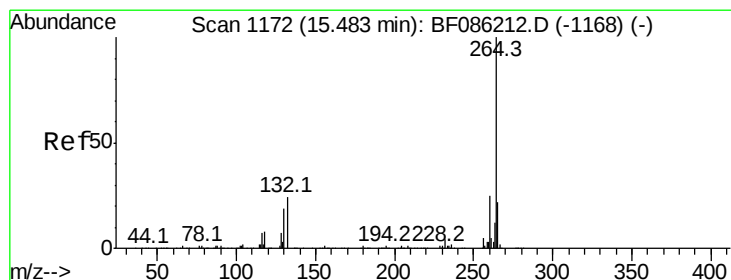
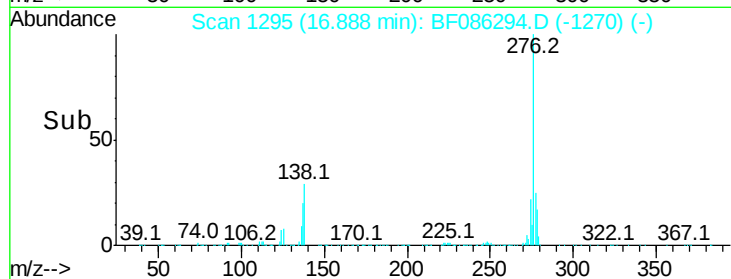
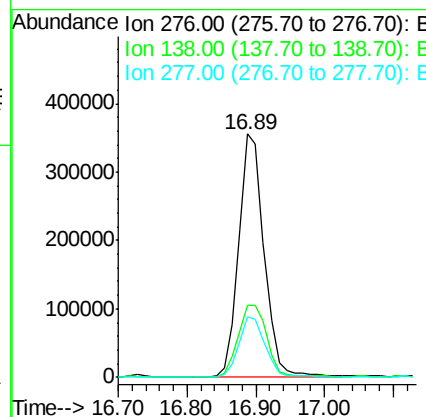
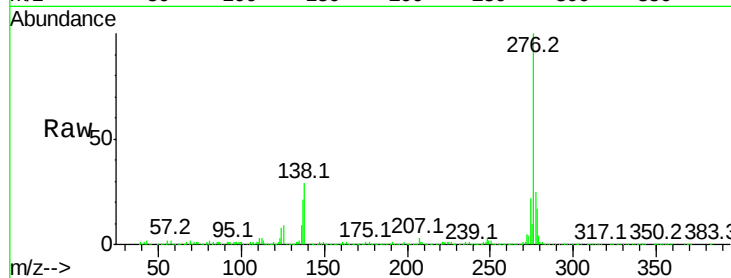
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.95 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Tot Ion:	276	Resp:	913821
Ion Ratio	Lower	Upper	
276	100		
138	33.2	23.8	35.6
277	25.7	20.2	30.2

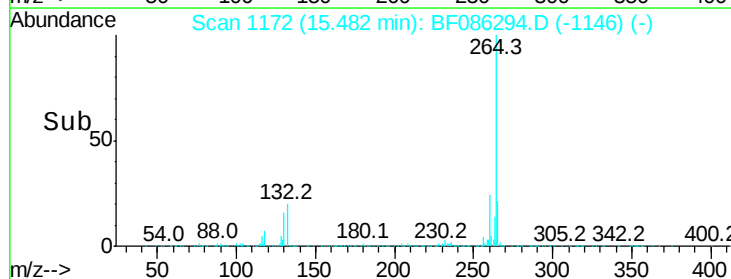
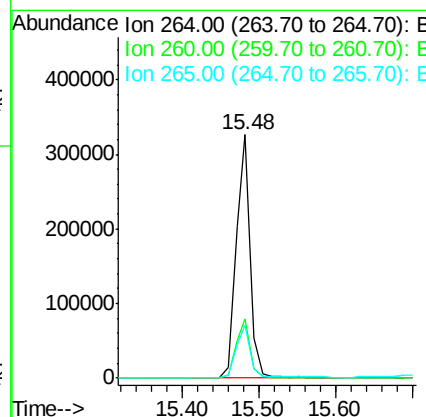
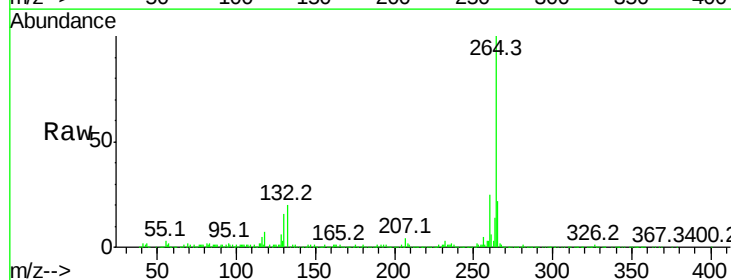
Manual Integrations
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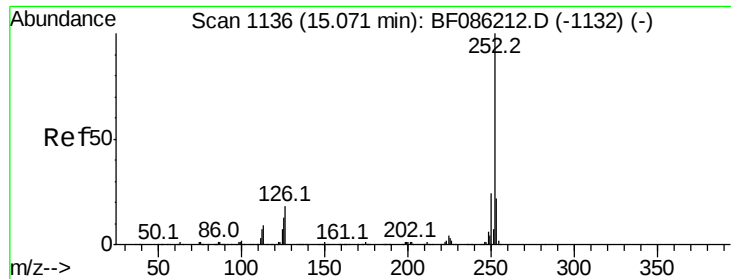
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Tgt Ion:	264	Resp:	420775
Ion Ratio	Lower	Upper	
264	100		
260	24.5	20.0	30.0
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 40.61 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)MSD

Tot Ion:252 Resp: 1054256

Ion Ratio Lower Upper

252 100

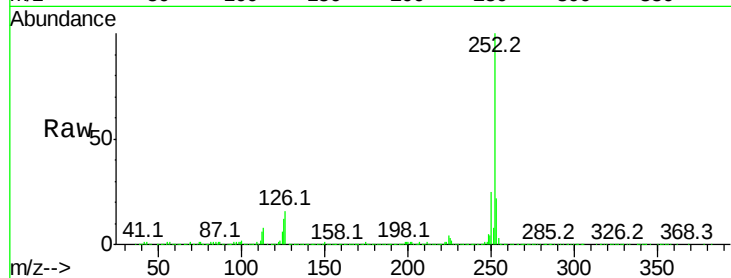
253 22.4 17.7 26.5

125 11.8 10.3 15.5

Manual Integrations
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Sohil

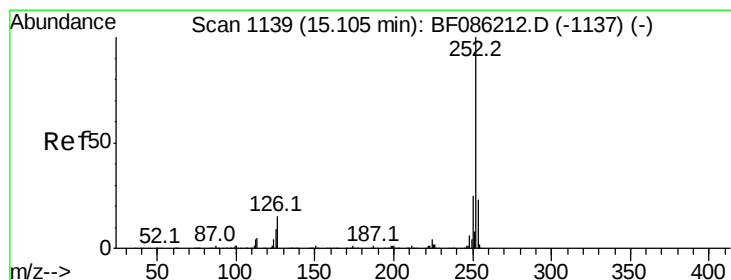
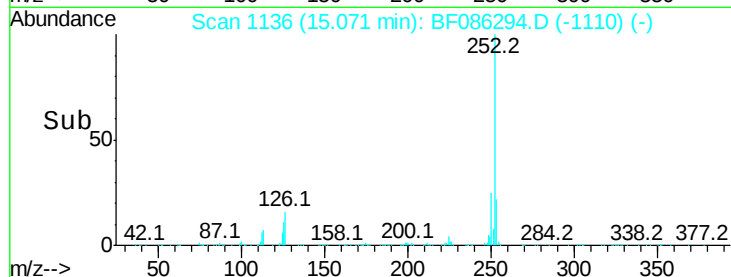
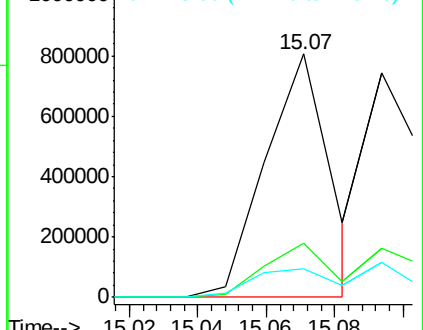
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 36.76 ng m

RT: 15.09 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

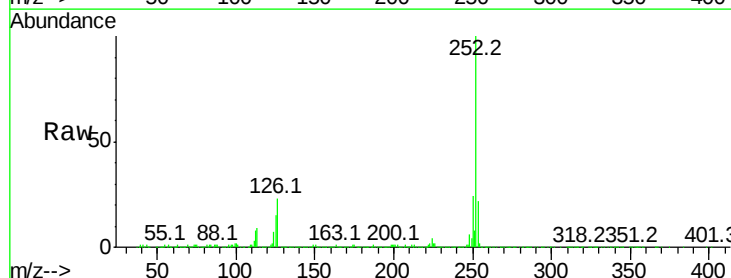
Tgt Ion:252 Resp: 870018

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

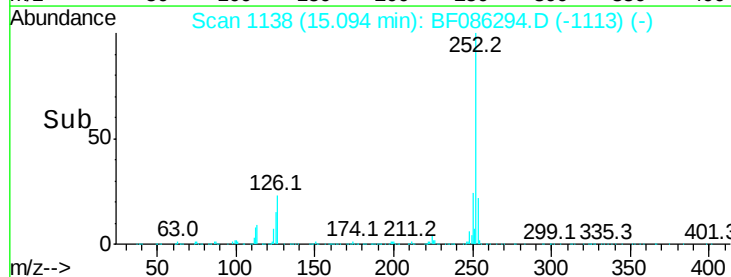
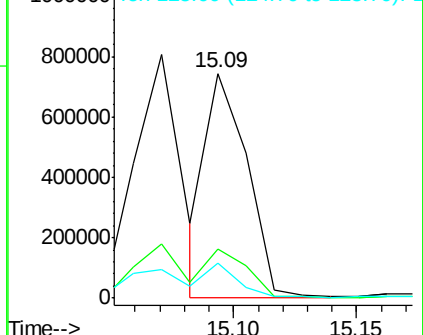
125 15.4 7.8 11.6#

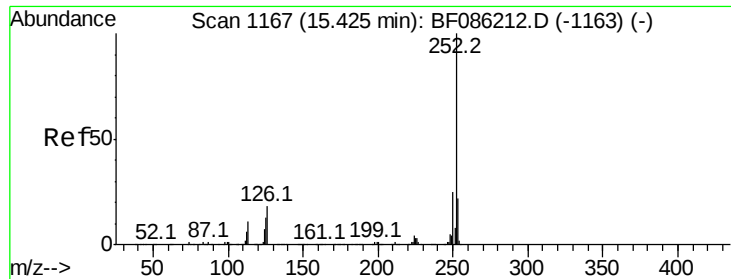


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





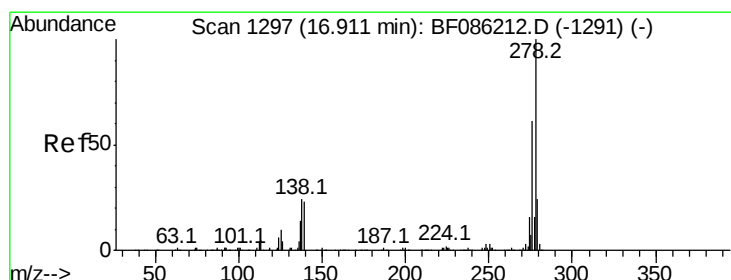
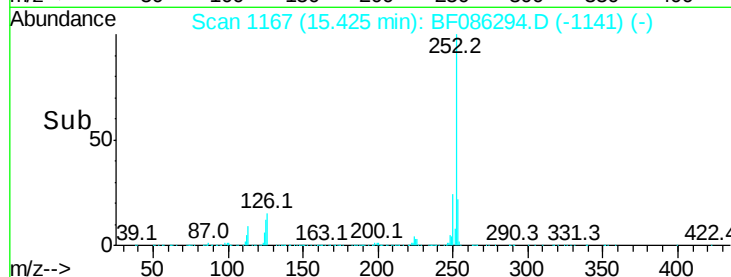
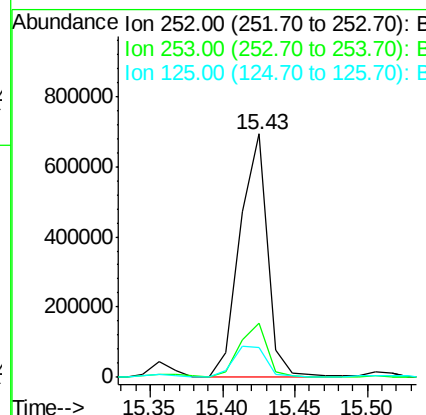
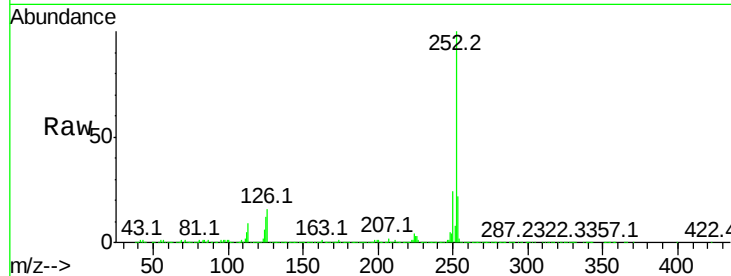
#89
Benzo(a)pyrene
Concen: 40.65 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.1	11.2	16.8

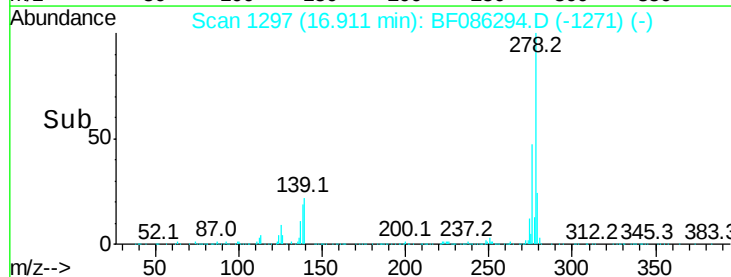
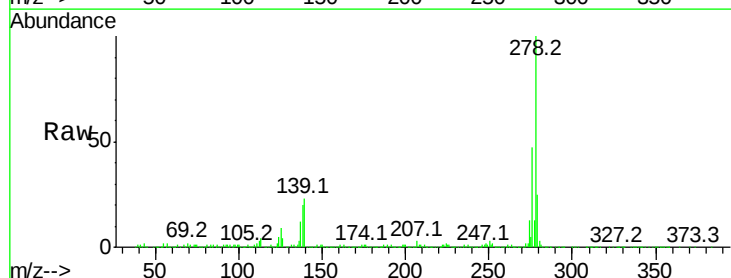
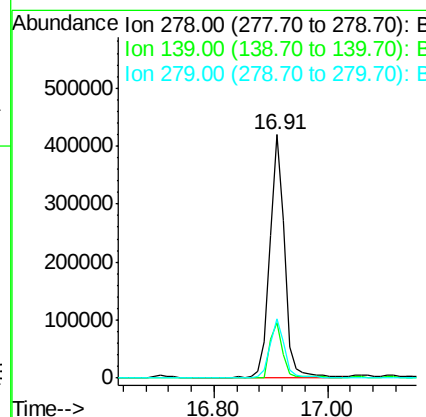
Manual Integrations
APPROVED

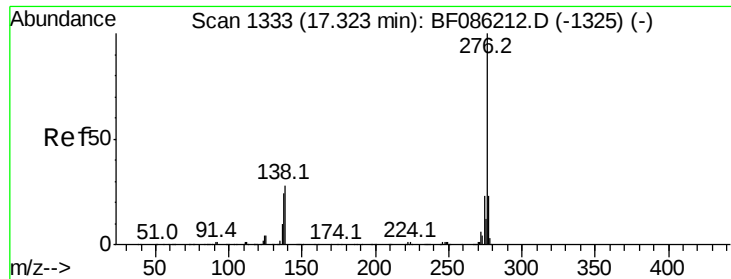
Sohil
4/19/2016 6:25:16 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.61 ng
RT: 16.91 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF086294.D
Acq: 18 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.6	15.3	22.9
279	24.6	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 36.15 ng
 RT: 17.32 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BF086294.D
 Acq: 18 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)MSD

Tot Ion:	276	Resp:	763842
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.6
138	26.3	19.6	29.4

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