

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
 Data File : BF085244.D
 Acq On : 5 Mar 2016 10:29
 Operator : SJ/IZ
 Sample : H1686-03MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Manual Integrations
 APPROVED

UMANGI
 3/7/2016 9:35:35 AM

Quant Time: Mar 07 01:11:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140837	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	498374	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	188935	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	286313	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	252674	20.00	ng	0.00
86) Perylene-d12	15.61	264	203843	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1409339	167.85	ng	0.01
7) Phenol-d6	6.61	99	1533724	139.43	ng	0.00
23) Nitrobenzene-d5	7.53	82	1011117	108.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	285453	176.57	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1463063	117.77	ng	-0.01
78) Terphenyl-d14	13.09	244	1009418	92.74	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.73	88	178463	41.56	ng	100
3) Pyridine	3.50	79	502045	46.72	ng	99
4) n-Nitrosodimethylamine	3.45	42	222159	48.30	ng	91
6) Aniline	6.64	93	232376	15.07	ng	96
8) 2-Chlorophenol	6.76	128	390664	38.65	ng	93
9) Benzaldehyde	6.52	77	146277	25.57	ng	100
10) Phenol	6.62	94	568099m	48.22	ng	
11) bis(2-Chloroethyl)ether	6.71	93	426127	43.55	ng	98
12) 1,3-Dichlorobenzene	6.92	146	465550	42.90	ng	98
13) 1,4-Dichlorobenzene	7.00	146	449182m	41.30	ng	
14) 1,2-Dichlorobenzene	7.14	146	431778	43.75	ng	99
15) Benzyl Alcohol	7.11	79	347667	43.05	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.25	45	502502	35.63	ng	97
17) 2-Methylphenol	7.22	107	360848	43.75	ng	96
18) Hexachloroethane	7.49	117	170086	42.39	ng	97
19) n-Nitroso-di-n-propylamine	7.38	70	296956	41.42	ng	# 89
20) 3+4-Methylphenols	7.37	107	408641	41.83	ng	95
22) Acetophenone	7.38	105	546393	44.92	ng	# 99
24) Nitrobenzene	7.56	77	436901	46.18	ng	99
25) Isophorone	7.80	82	823055	47.69	ng	# 97
26) 2-Nitrophenol	7.88	139	200300	43.51	ng	# 90
27) 2,4-Dimethylphenol	7.91	122	413098	49.09	ng	94
28) bis(2-Chloroethoxy)methane	8.00	93	452051	47.03	ng	98
29) 2,4-Dichlorophenol	8.12	162	334390	49.28	ng	95
30) 1,2,4-Trichlorobenzene	8.20	180	346908	47.29	ng	99
31) Naphthalene	8.29	128	1170591	47.77	ng	98
32) Benzoic acid	7.99	122	117955	21.11	ng	90
33) 4-Chloroaniline	8.32	127	134184	13.54	ng	99
34) Hexachlorobutadiene	8.40	225	197626	51.77	ng	99
35) Caprolactam	8.69	113	129711	58.53	ng	# 89
36) 4-Chloro-3-methylphenol	8.81	107	357394	46.42	ng	91
37) 2-Methylnaphthalene	8.97	142	778611	49.51	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	291882	54.02	ng	97
40) Hexachlorocyclopentadiene	9.13	237	100212	34.39	ng	96

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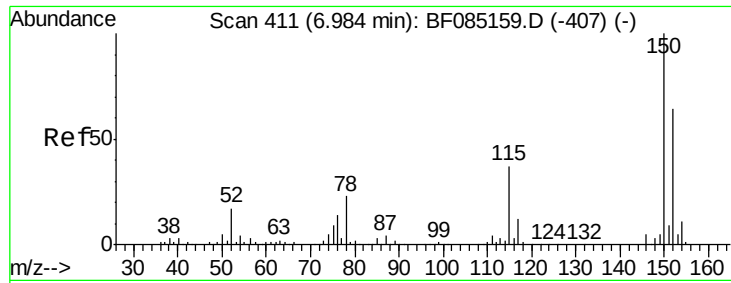
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	200171	49.77	nq	95
43) 2,4,5-Trichlorophenol	9.29	196	203722	53.42	nq	98
45) 1,1'-Biphenyl	9.44	154	820060	50.80	nq	95
46) 2-Chloronaphthalene	9.46	162	621616	50.52	nq	95
47) 2-Nitroaniline	9.56	65	213848	56.09	nq	# 83
48) Acenaphthylene	9.88	152	882789	46.10	nq	99
49) Dimethylphthalate	9.74	163	866428	59.75	nq	100
50) 2,6-Dinitrotoluene	9.80	165	144643	46.62	nq	95
51) Acenaphthene	10.05	154	519347	44.67	nq	98
52) 3-Nitroaniline	9.97	138	138171	37.23	nq	# 85
53) 2,4-Dinitrophenol	10.07	184	9308	13.35	nq	# 52
54) Dibenzofuran	10.22	168	740758	48.63	nq	97
55) 4-Nitrophenol	10.12	139	200397	68.70	nq	# 67
56) 2,4-Dinitrotoluene	10.20	165	171336	43.15	nq	# 94
57) Fluorene	10.56	166	548280	45.82	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.34	232	130231	48.61	nq	# 93
59) Diethylphthalate	10.44	149	679395	48.28	nq	97
60) 4-Chlorophenyl-phenylether	10.56	204	289548	49.73	nq	# 87
61) 4-Nitroaniline	10.57	138	124506	35.86	nq	99
62) Azobenzene	10.72	77	640169	46.17	nq	83
64) 4,6-Dinitro-2-methylphenol	10.61	198	17309	10.10	nq	# 1
65) n-Nitrosodiphenylamine	10.68	169	565347	63.48	nq	97
66) 4-Bromophenyl-phenylether	11.05	248	160937	57.89	nq	# 88
67) Hexachlorobenzene	11.12	284	170220	57.39	nq	96
68) Atrazine	11.20	200	160528	64.82	nq	97
69) Pentachlorophenol	11.30	266	153752	93.39	nq	98
70) Phenanthrene	11.53	178	786325	52.40	nq	98
71) Anthracene	11.58	178	696867	43.75	nq	98
72) Carbazole	11.73	167	621321	44.48	nq	# 97
73) Di-n-butylphthalate	12.06	149	790573	44.78	nq	99
74) Fluoranthene	12.72	202	684098	45.43	nq	99
76) Benzidine	12.84	184	240329	31.96	nq	# 93
77) Pyrene	12.95	202	689764	36.27	nq	98
79) Butylbenzylphthalate	13.56	149	340250	39.43	nq	97
80) Benzo(a)anthracene	14.14	228	695173	45.96	nq	100
81) 3,3'-Dichlorobenzidine	14.09	252	73879	15.48	nq	97
82) Chrysene	14.17	228	650058	46.52	nq	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	520558	45.84	nq	99
84) Di-n-octyl phthalate	14.73	149	925405	53.51	nq	# 88
85) Indeno(1,2,3-cd)pyrene	17.10	276	568249	52.11	nq	97
87) Benzo(b)fluoranthene	15.19	252	637430	46.92	nq	# 96
88) Benzo(k)fluoranthene	15.21	252	487330m	44.47	nq	
89) Benzo(a)pyrene	15.56	252	544493	48.36	nq	97
90) Dibenzo(a,h)anthracene	17.11	278	482961	50.25	nq	98
91) Benzo(g,h,i)perylene	17.55	276	453253	46.90	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

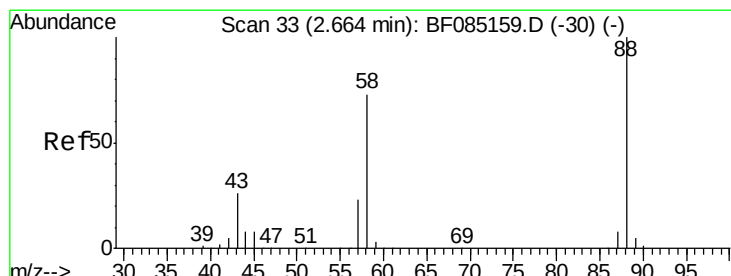
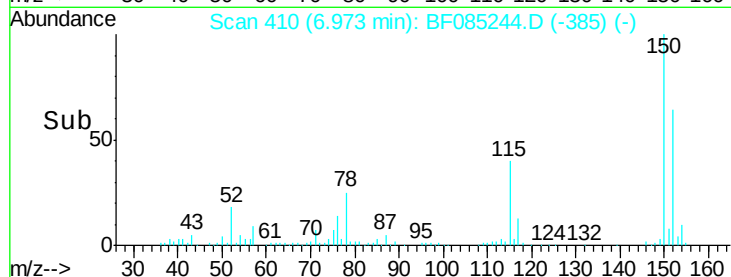
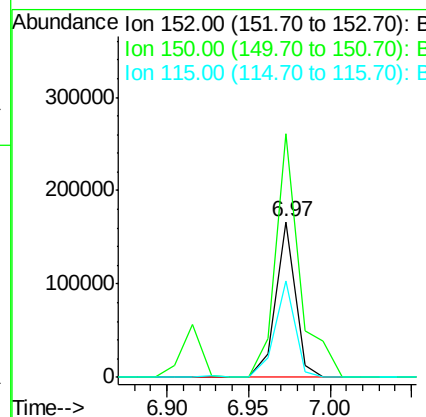
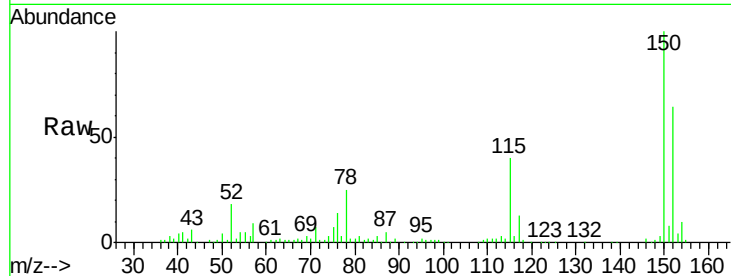
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	152	Resp:	140837
Ion Ratio	Lower	Upper	
152	100		
150	156.7	124.6	186.8
115	62.4	46.6	70.0

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#2

1,4-Dioxane

Concen: 41.56 ng

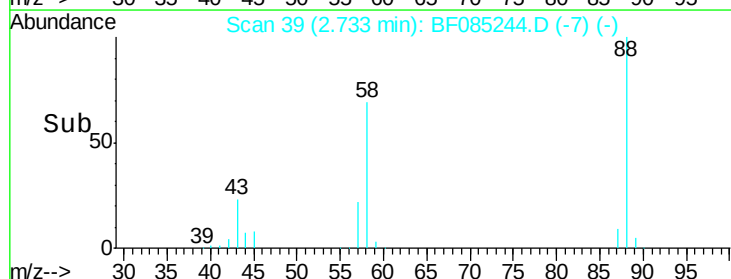
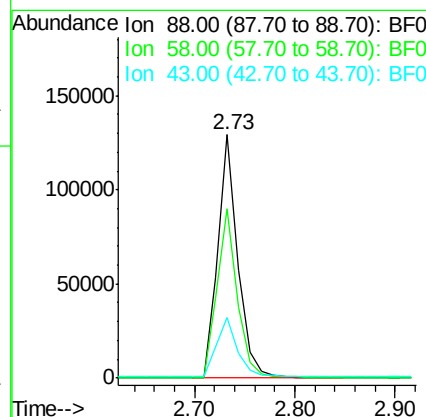
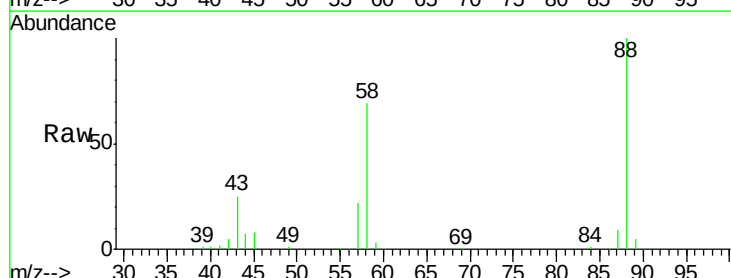
RT: 2.73 min Scan# 39

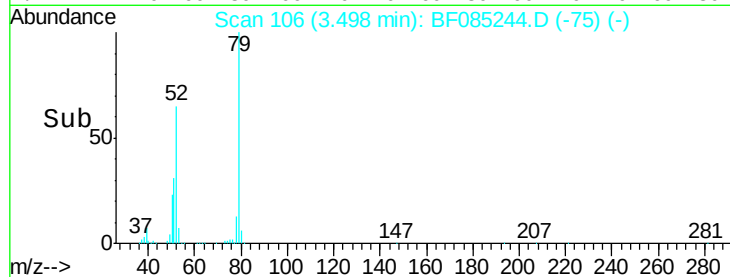
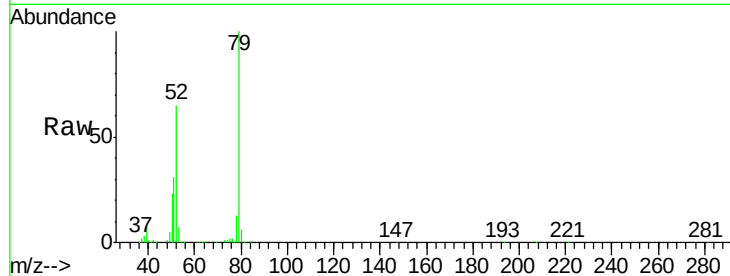
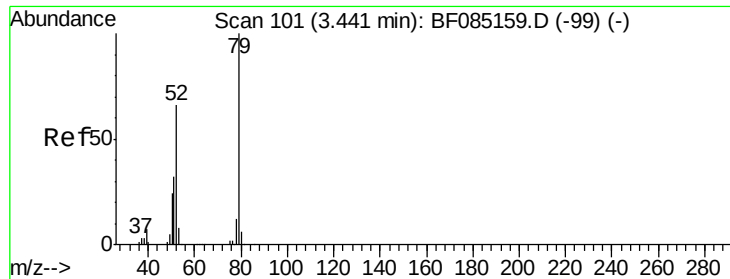
Delta R.T. 0.07 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	88	Resp:	178463
Ion Ratio	Lower	Upper	
88	100		
58	71.4	57.0	85.6
43	25.5	20.5	30.7





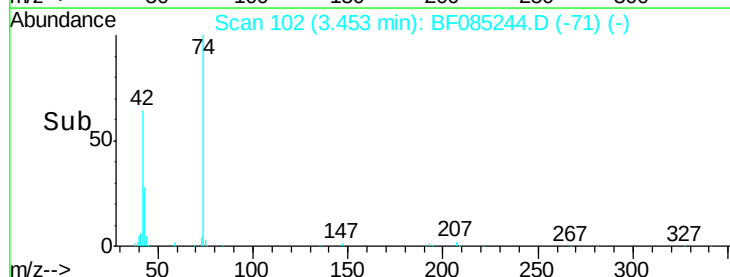
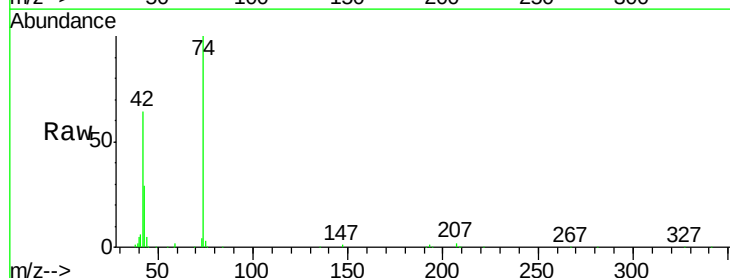
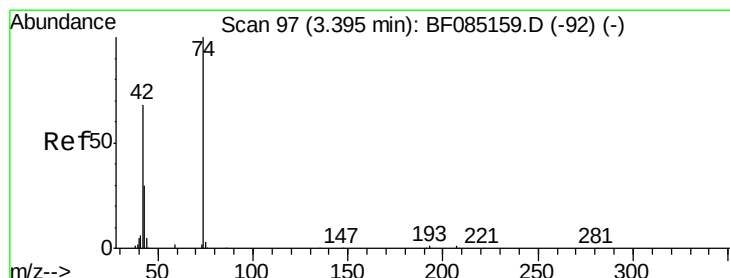
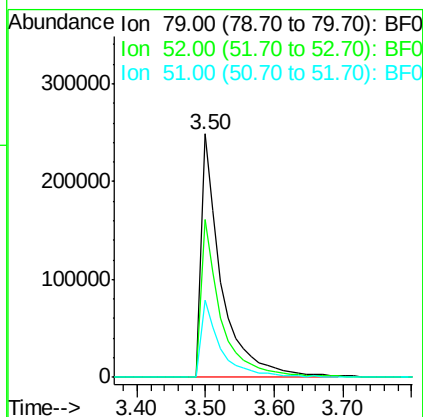
#3
 Pvridine
 Concen: 46.72 ng
 RT: 3.50 min Scan# 106
 Delta R.T. 0.06 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tot Ion	Ratio	Lower	Upper
79	100		
52	64.8	52.6	79.0
51	31.5	25.8	38.8

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

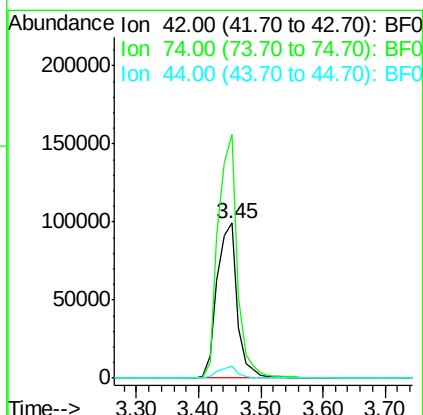
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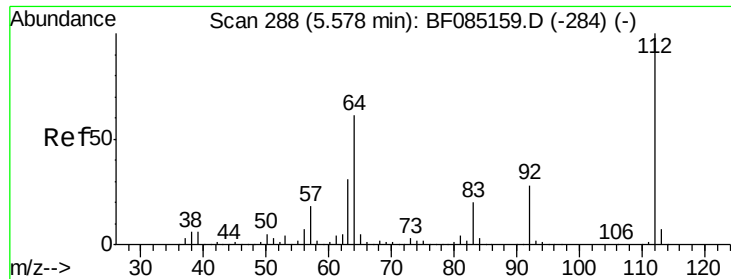
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#4
 n-Nitrosodimethylamine
 Concen: 48.30 ng
 RT: 3.45 min Scan# 102
 Delta R.T. 0.06 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
42	100		
74	157.1	116.8	175.2
44	7.5	5.5	8.3





#5

2-Fluorophenol

Concen: 167.85 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

Tot Ion: 112 Resp: 1409339

Ion Ratio Lower Upper

112 100

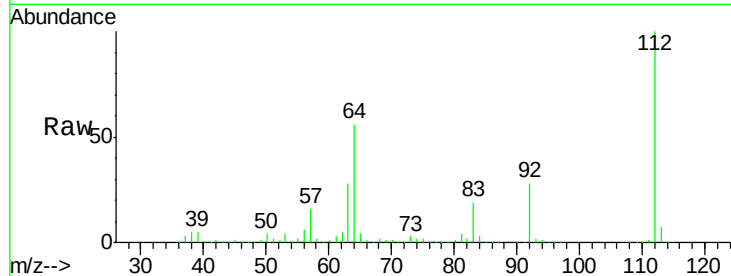
64 55.7 49.0 73.4

63 28.4 24.8 37.2

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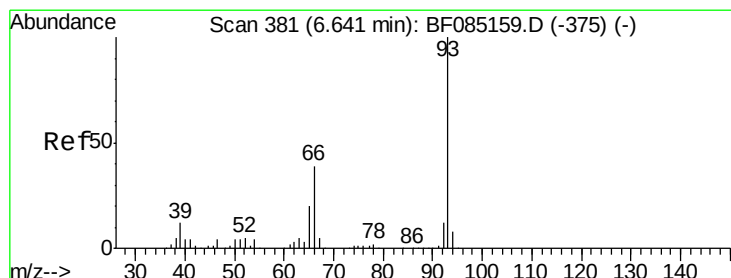
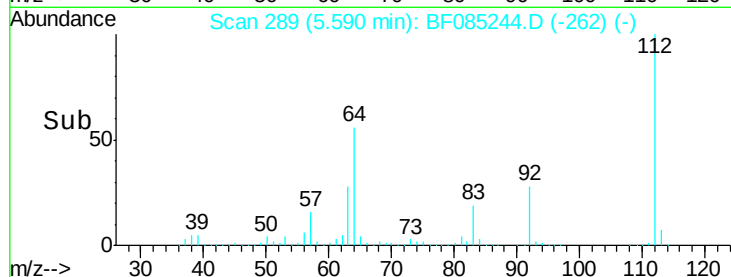
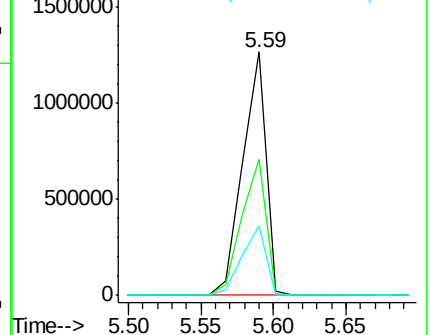
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 15.07 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

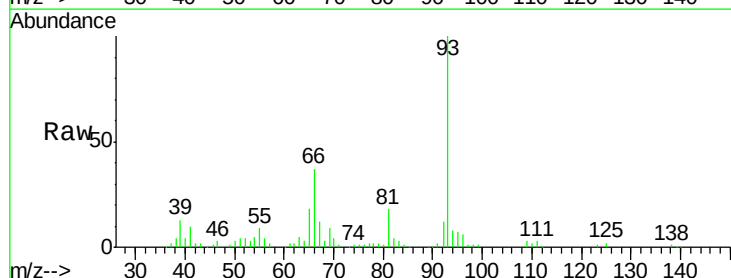
Tgt Ion: 93 Resp: 232376

Ion Ratio Lower Upper

93 100

66 36.7 31.6 47.4

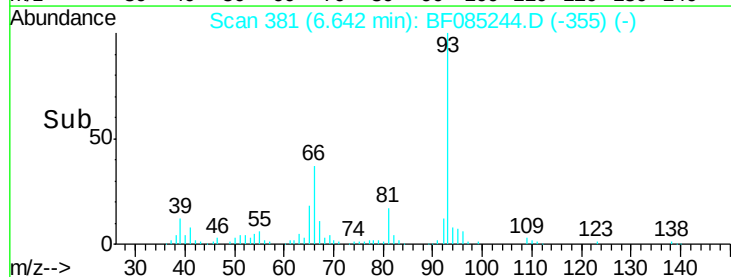
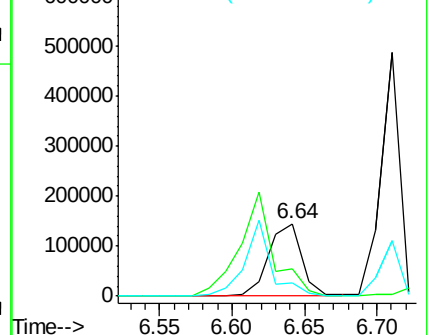
65 17.9 15.8 23.8

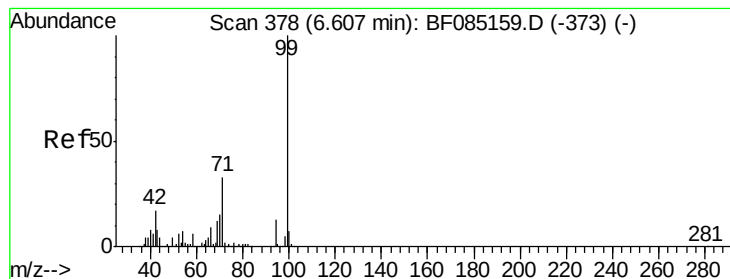


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 139.43 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

Tot Ion: 99 Resp: 1533724

Ion Ratio Lower Upper

99 100

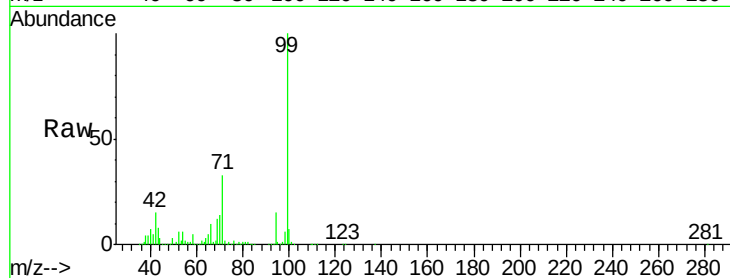
42 14.6 13.6 20.4

71 32.8 26.7 40.1

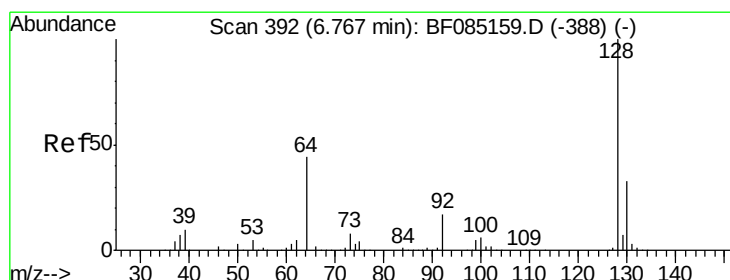
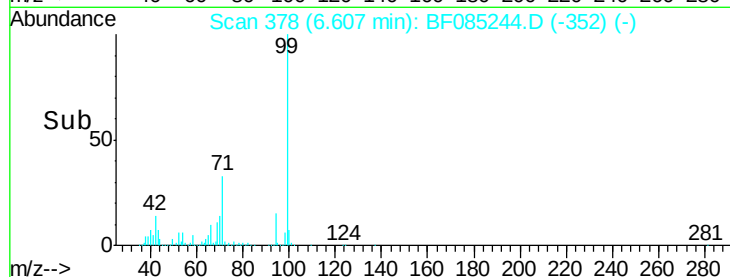
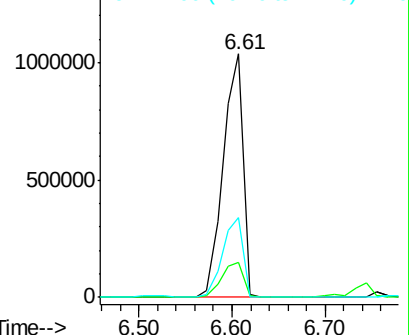
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 38.65 ng

RT: 6.76 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

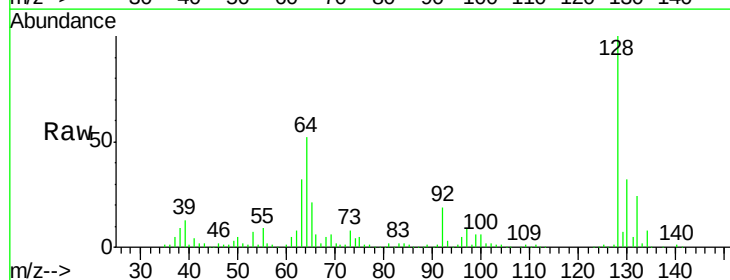
Tgt Ion:128 Resp: 390664

Ion Ratio Lower Upper

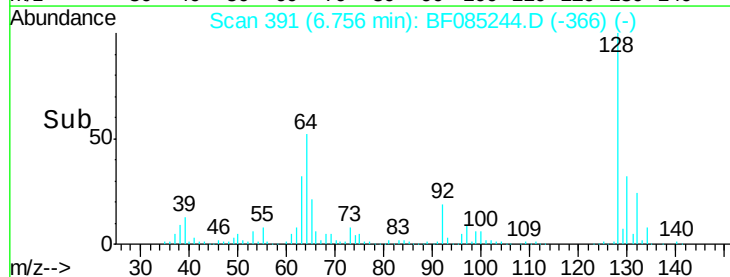
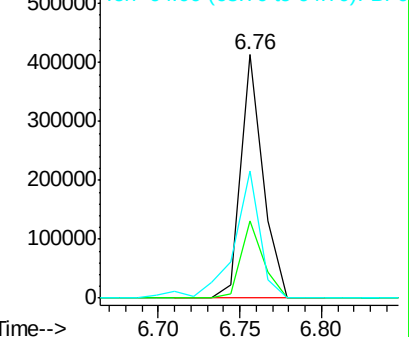
128 100

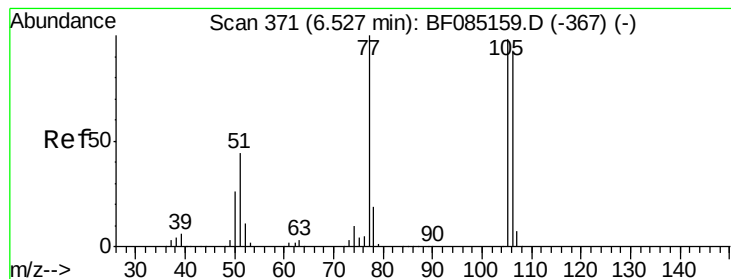
130 31.8 13.3 53.3

64 52.4 25.7 65.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.57 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

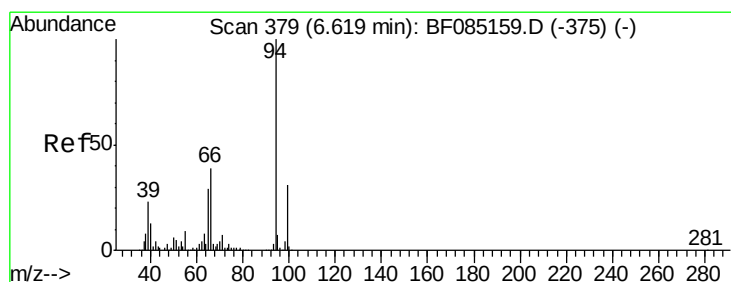
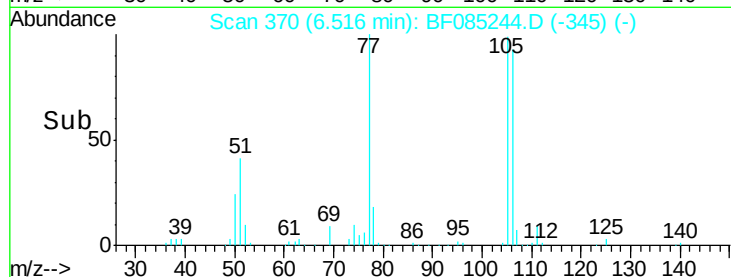
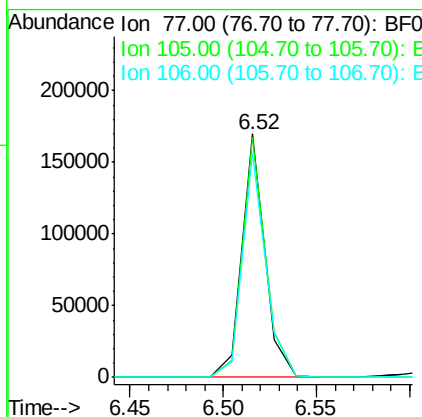
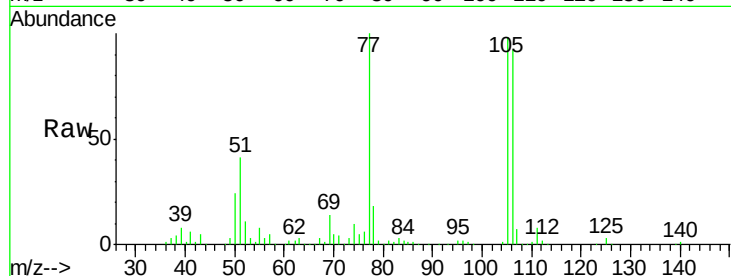
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	77	Resp:	146277
Ion Ratio	Lower	Upper	
77	100		
105	98.3	78.2	118.2
106	92.2	72.9	112.9

Manual Integrations
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#10

Phenol

Concen: 48.22 ng m

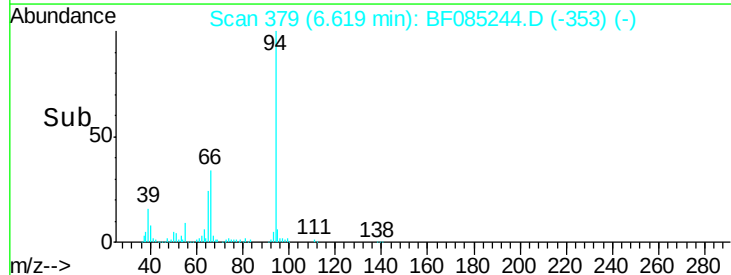
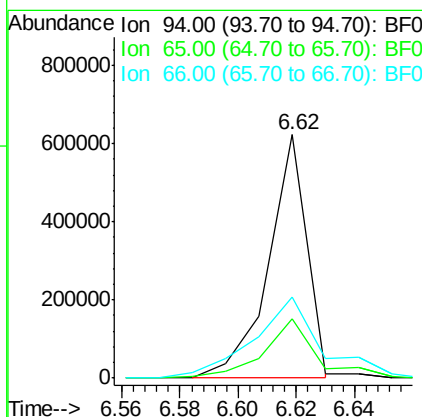
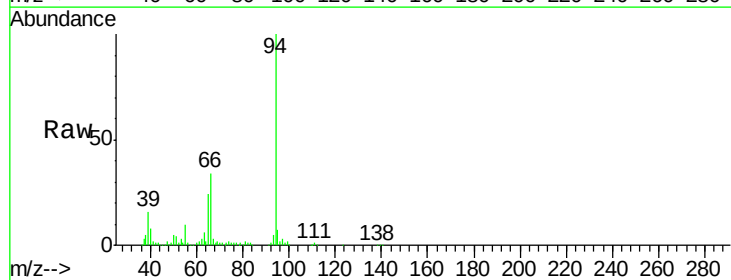
RT: 6.62 min Scan# 379

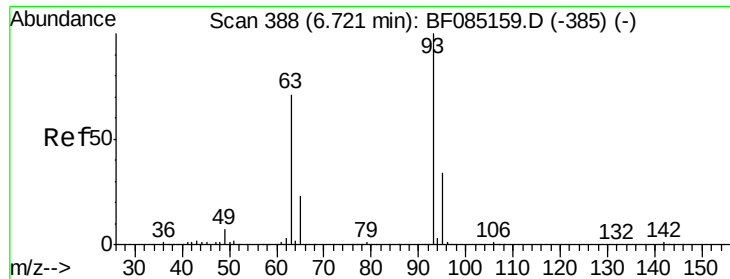
Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	94	Resp:	568099
Ion Ratio	Lower	Upper	
94	100		
65	24.4	9.1	49.1
66	33.5	19.3	59.3





#11

bis(2-Chloroethyl)ether

Concen: 43.55 ng

RT: 6.71 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

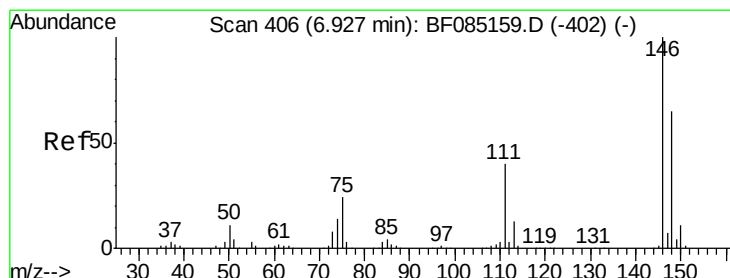
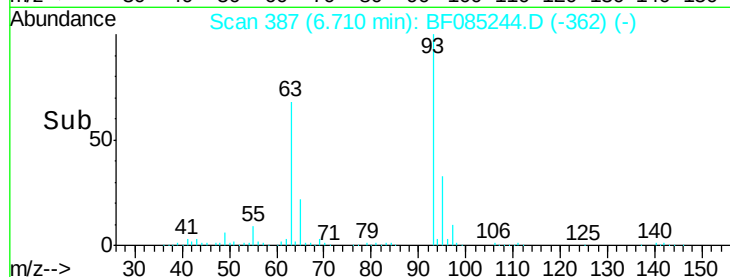
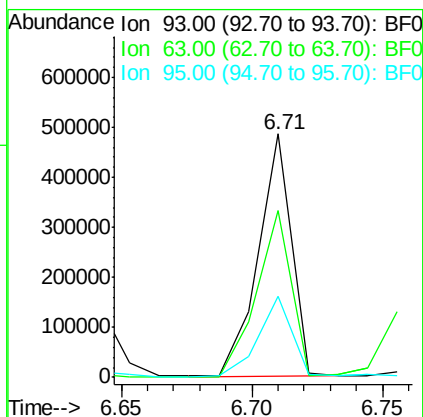
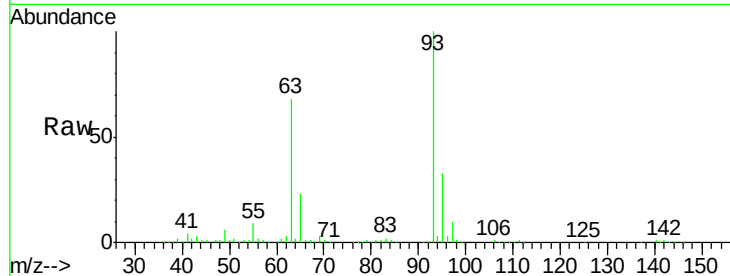
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	93	Resp:	426127
Ion Ratio	Lower	Upper	
93	100		
63	68.3	50.9	90.9
95	33.2	13.7	53.7

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 42.90 ng

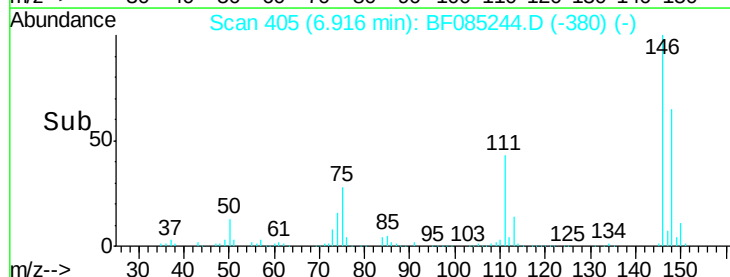
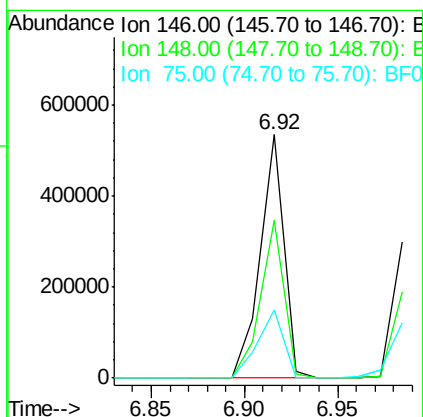
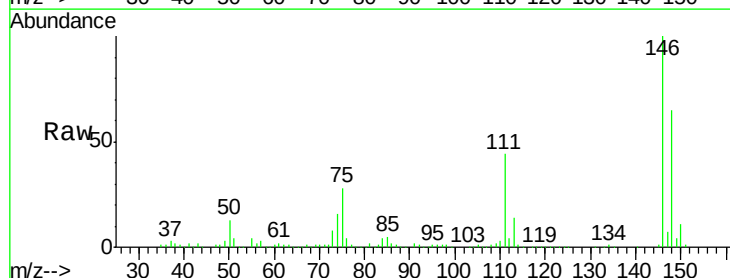
RT: 6.92 min Scan# 405

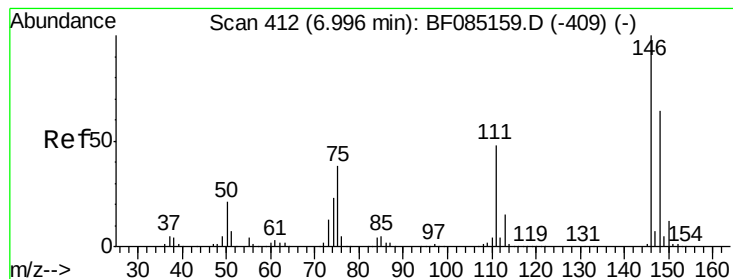
Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	146	Resp:	465550
Ion Ratio	Lower	Upper	
146	100		
148	64.8	52.1	78.1
75	27.9	19.5	29.3





#13

1,4-Dichlorobenzene

Concen: 41.30 ng/mL

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

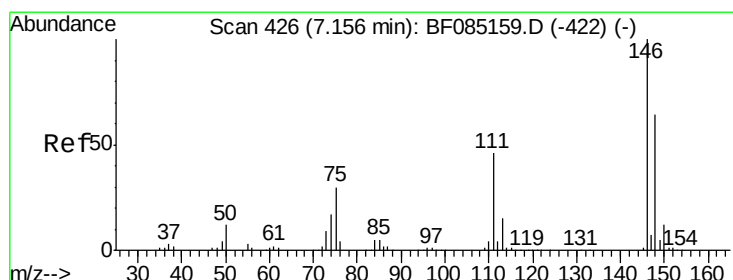
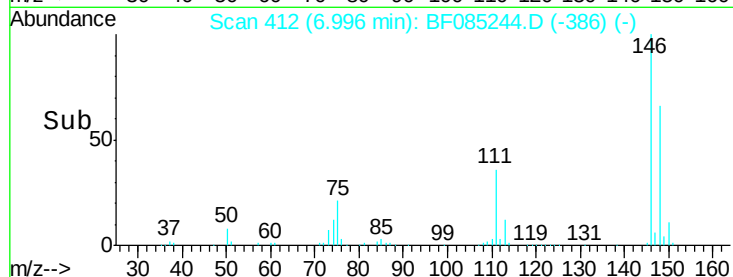
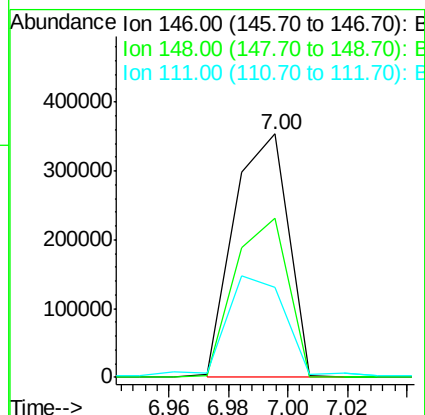
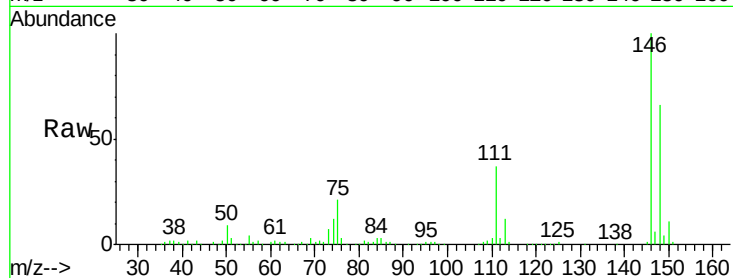
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	146	Resp:	449182
Ion Ratio	Lower	Upper	
146	100		
148	65.6	51.3	76.9
111	36.8	38.4	57.6

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 43.75 ng/mL

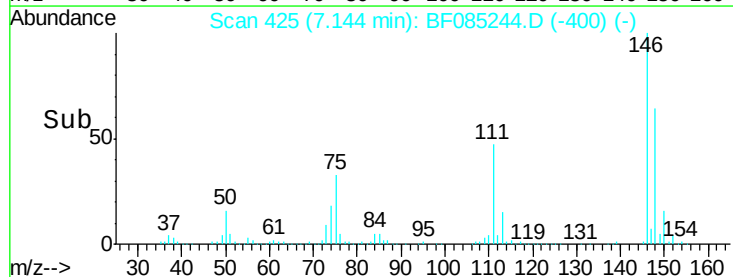
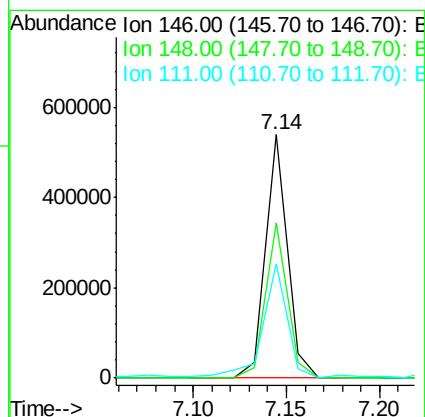
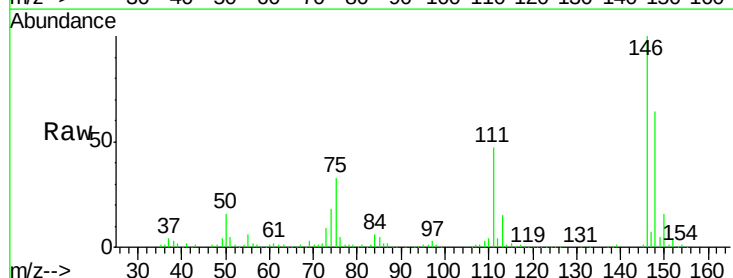
RT: 7.14 min Scan# 425

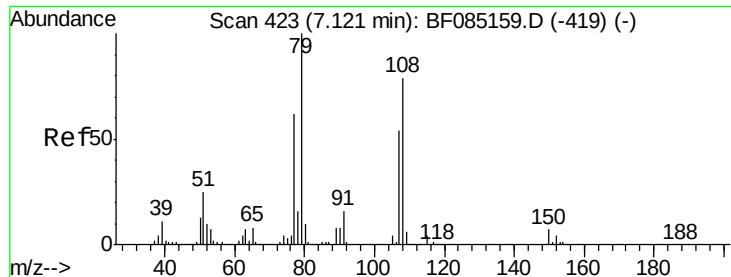
Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	146	Resp:	431778
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.4	77.2
111	46.7	36.7	55.1





#15

Benzyl Alcohol

Concen: 43.05 ng

RT: 7.11 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

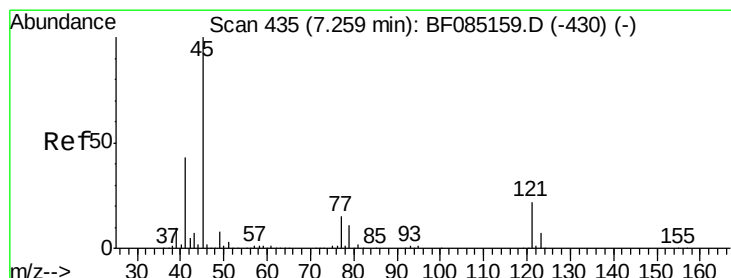
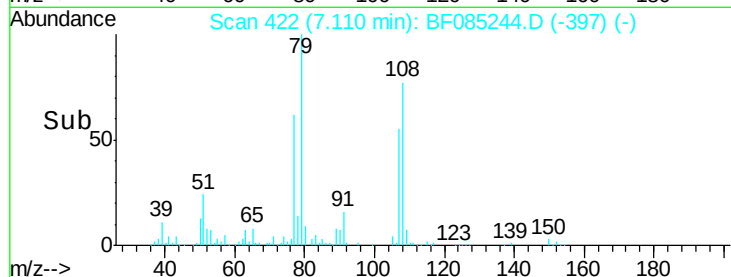
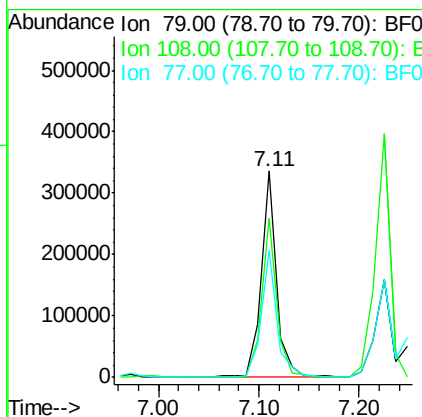
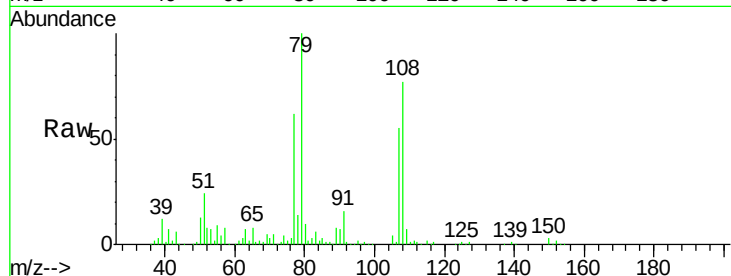
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	79	Resp:	347667
Ion Ratio	Lower	Upper	
79	100		
108	77.1	62.9	94.3
77	61.6	49.5	74.3

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.63 ng

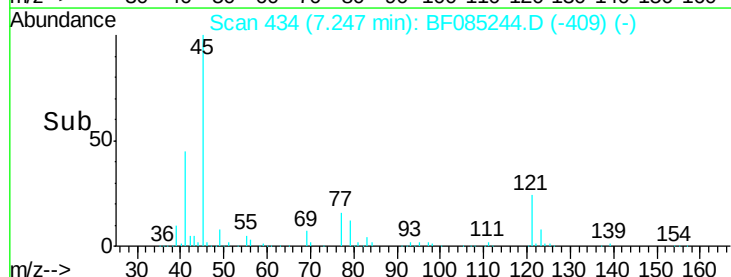
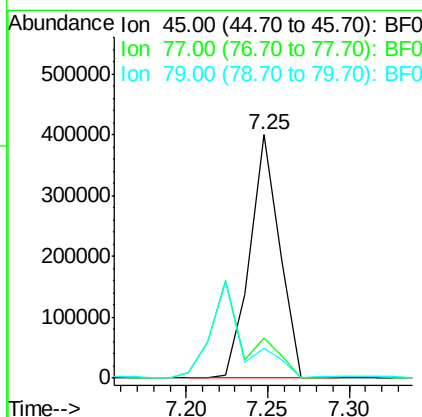
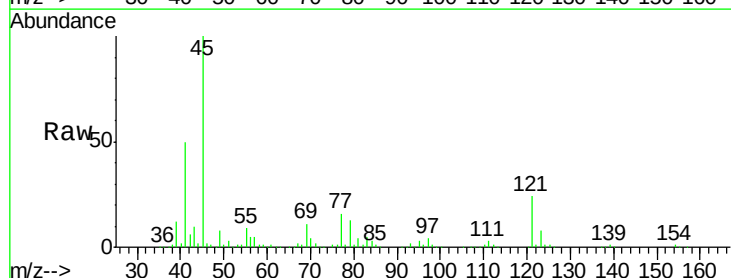
RT: 7.25 min Scan# 434

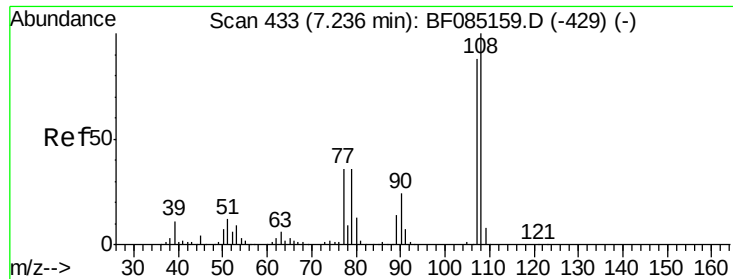
Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	45	Resp:	502502
Ion Ratio	Lower	Upper	
45	100		
77	16.4	0.0	35.1
79	12.5	0.0	31.3





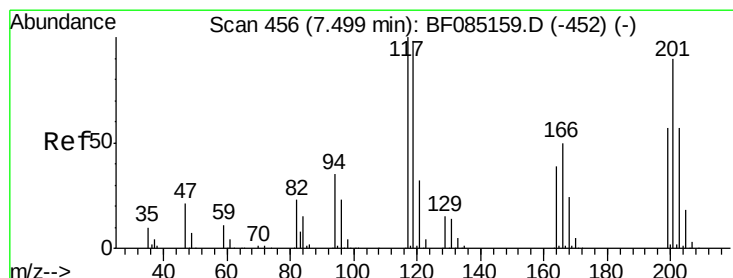
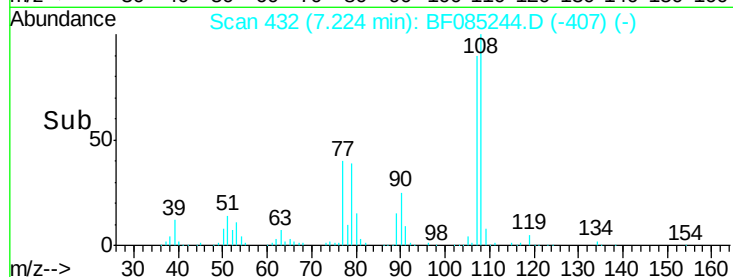
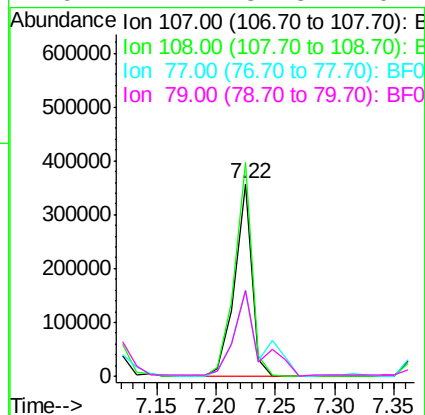
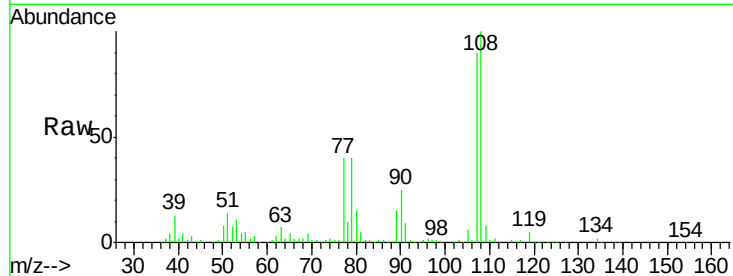
#17
2-Methylphenol
Concen: 43.75 ng
RT: 7.22 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	111.1	90.9	136.3	
77	77	44.8	32.6	48.8	
79	79	44.4	32.8	49.2	

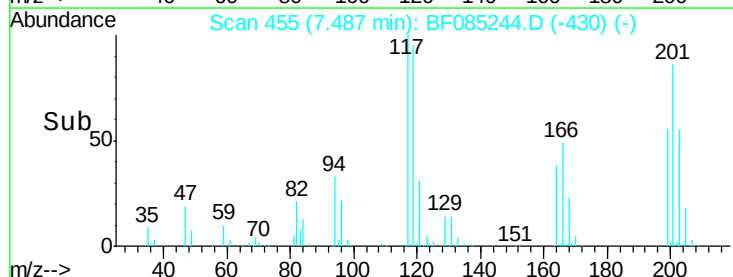
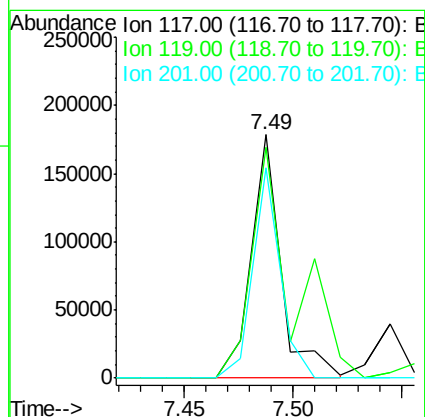
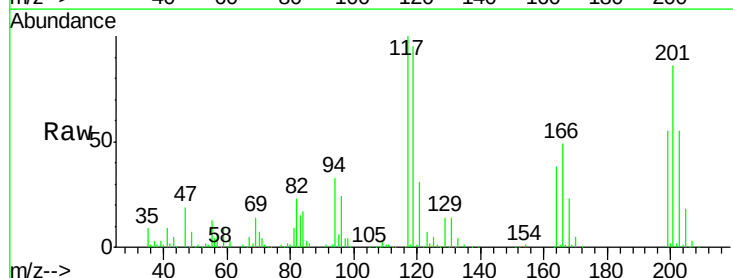
Manual Integrations
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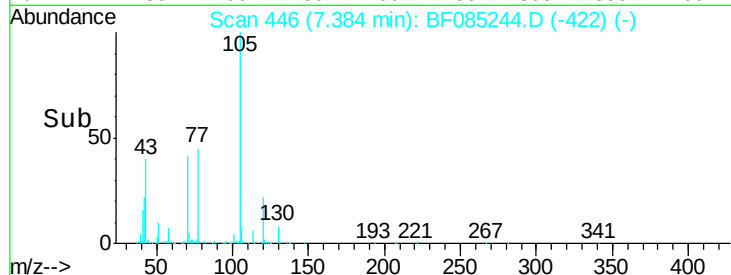
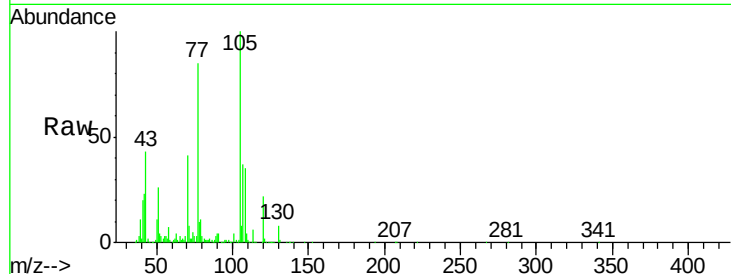
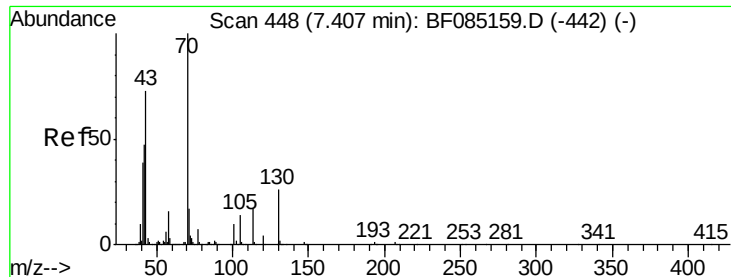
UMANGI
3/7/2016 9:35:35 AM



#18
Hexachloroethane
Concen: 42.39 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	119	94.7	78.2	117.4	
201	201	86.5	72.0	108.0	





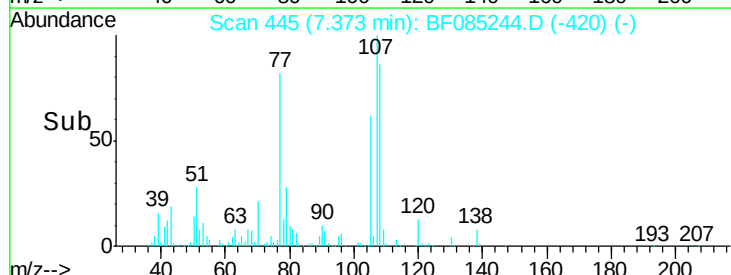
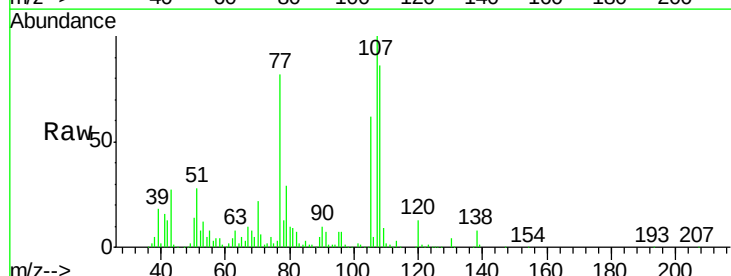
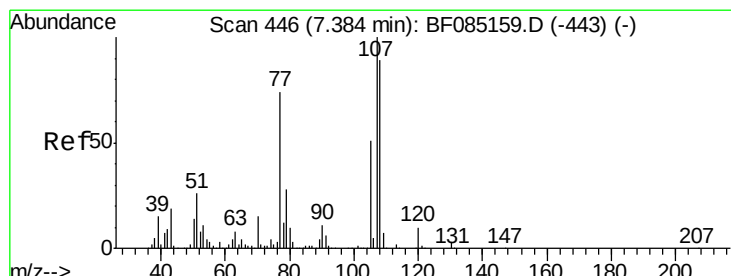
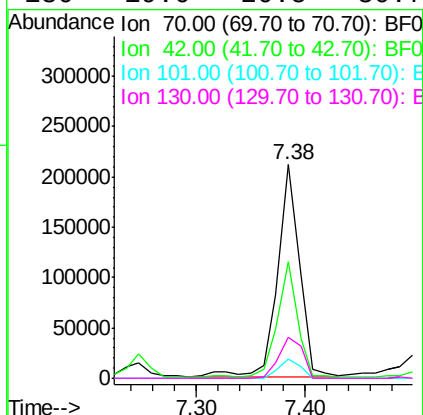
#19
n-Nitroso-di-n-propylamine
Concen: 41.42 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		296956		
42	54.6	37.7	56.5		
101	9.0	8.2	12.4		
130	19.0	20.5	30.7#		

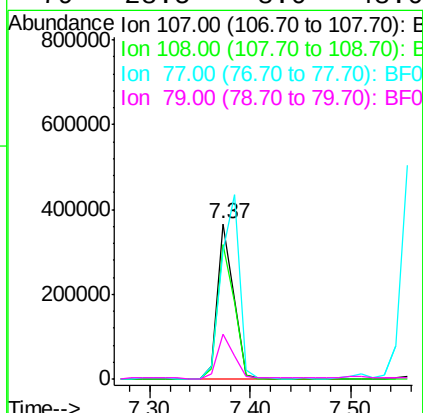
Manual Integrations
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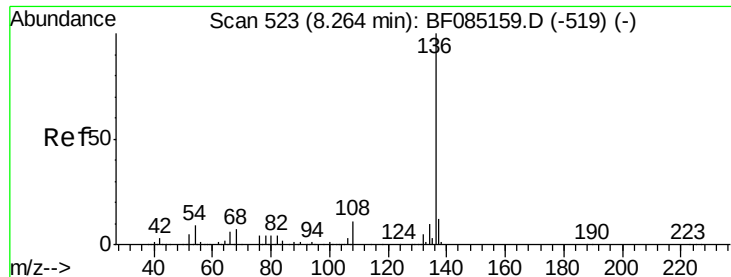
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#20
3+4-Methylphenols
Concen: 41.83 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		408641		
108	86.4	68.8	108.8		
77	82.1	53.6	93.6		
79	28.5	8.0	48.0		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085244.D

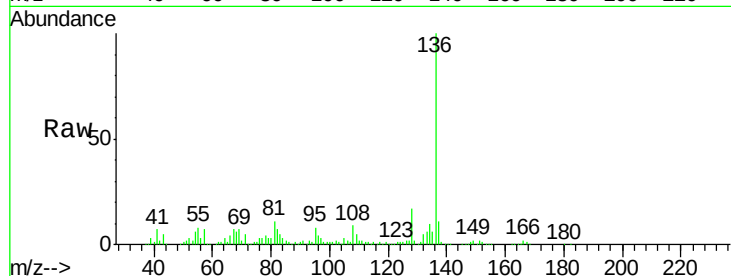
Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD



Tot Ion:136 Resp: 498374

Ion Ratio Lower Upper

136 100

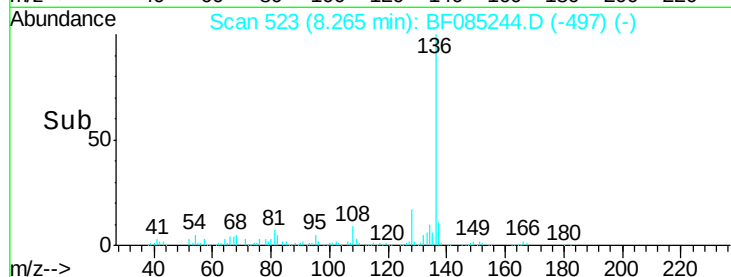
137 11.2 9.3 13.9

54 6.0 7.4 11.2#

68 6.3 6.0 9.0

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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

8.26

400000

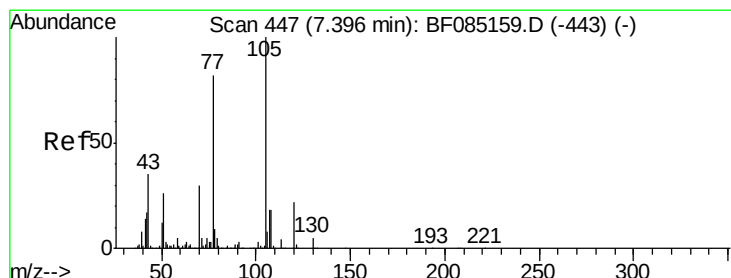
300000

200000

100000

0

Time--> 8.10 8.20 8.30



#22

Acetophenone

Concen: 44.92 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:105 Resp: 546393

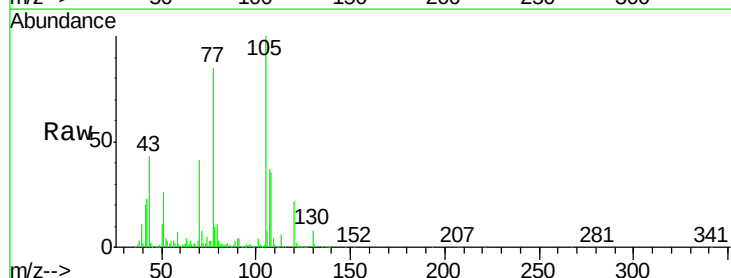
Ion Ratio Lower Upper

105 100

71 7.6 4.1 6.1#

51 25.8 21.1 31.7

120 21.7 17.3 25.9



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

7.38

800000

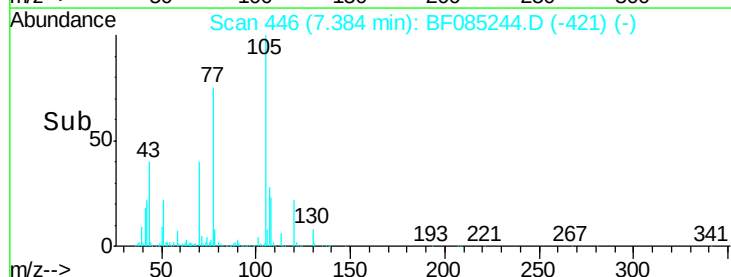
600000

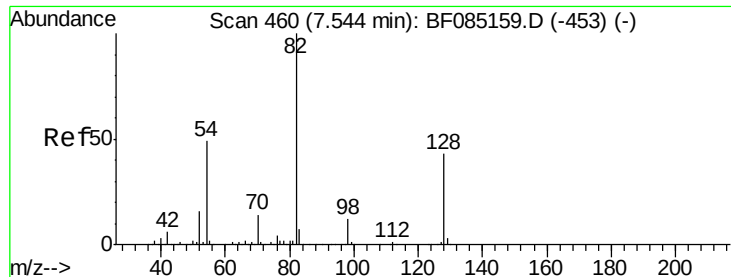
400000

200000

0

Time--> 7.30 7.35 7.40 7.45





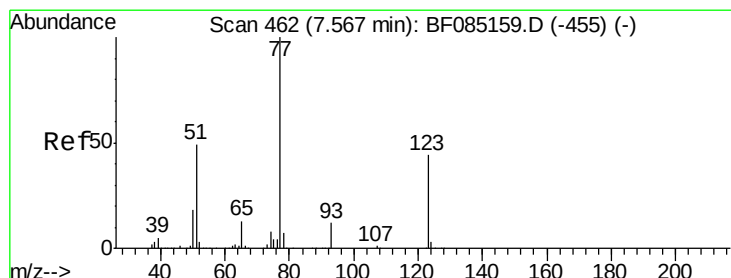
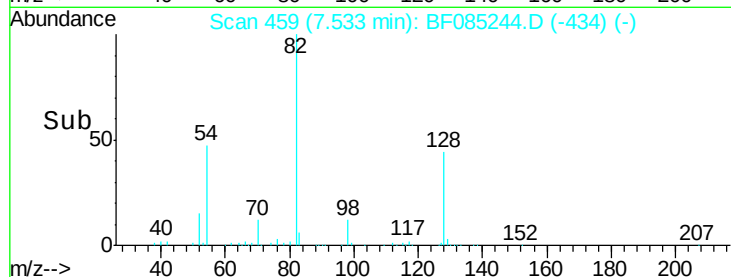
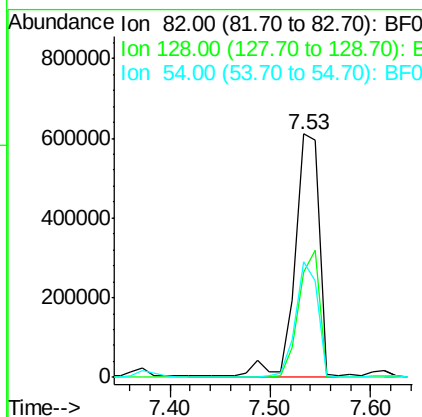
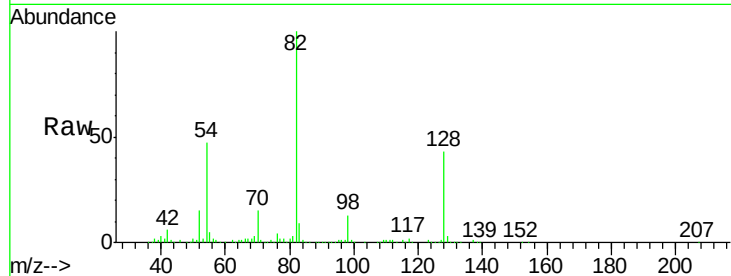
#23
 Nitrobenzene-d5
 Concen: 108.57 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	82	Resp	1011117
Ion Ratio	100	Lower	Upper
82	100		
128	43.2	34.5	51.7
54	47.3	39.3	58.9

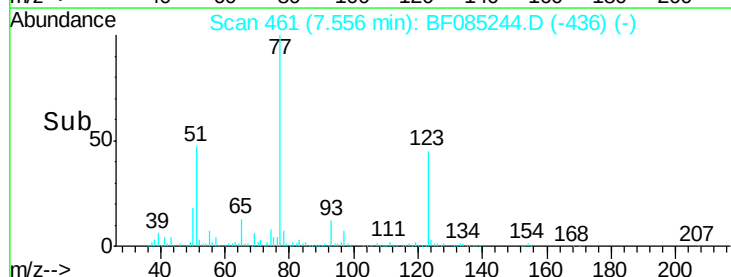
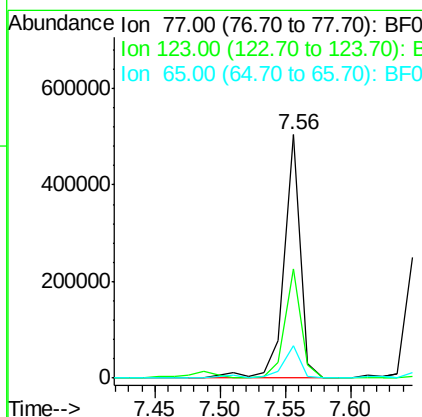
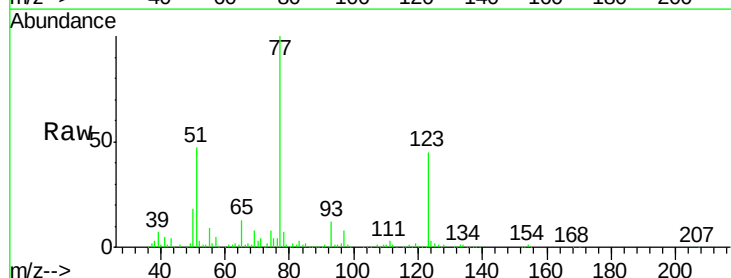
Manual Integrations
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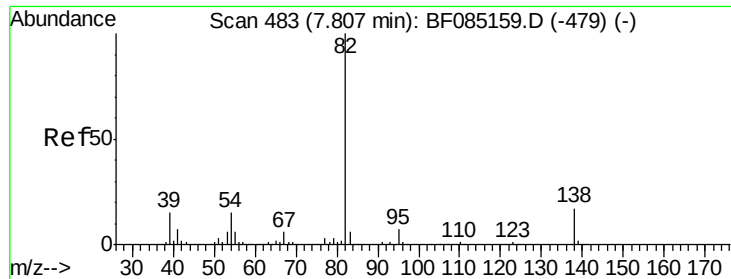
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#24
 Nitrobenzene
 Concen: 46.18 ng
 RT: 7.56 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	77	Resp	436901
Ion Ratio	100	Lower	Upper
77	100		
123	44.9	35.4	53.2
65	13.4	10.6	16.0





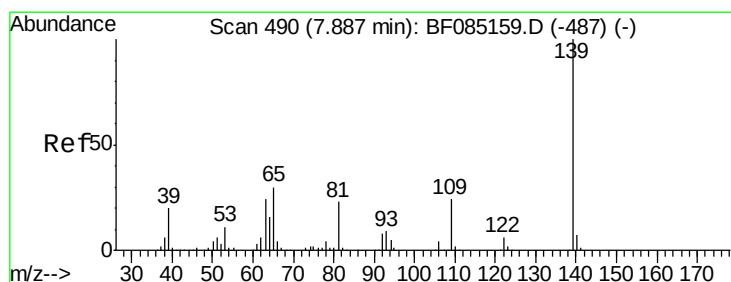
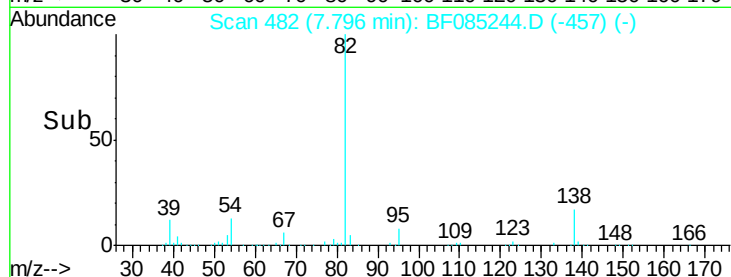
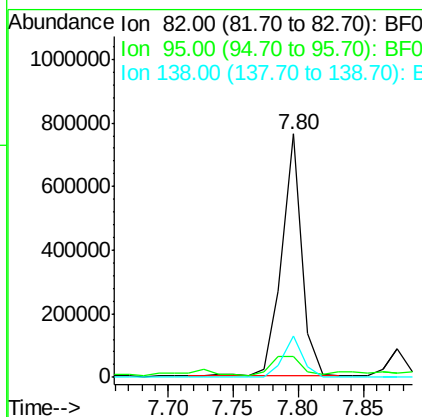
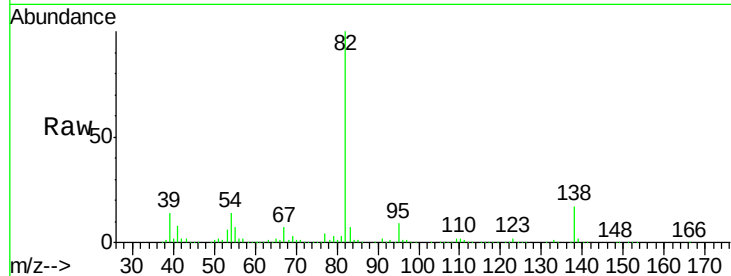
#25
Isophorone
Concen: 47.69 ng
RT: 7.80 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	8.7	5.4	8.2#	
138	17.2	13.3	19.9	

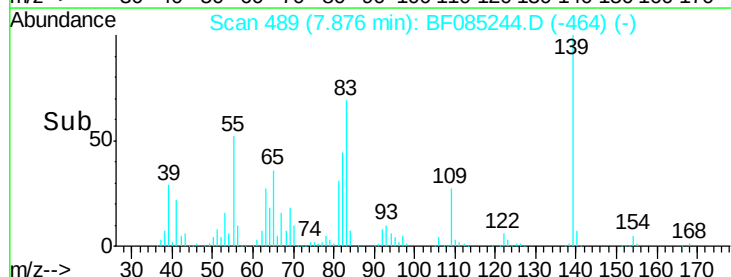
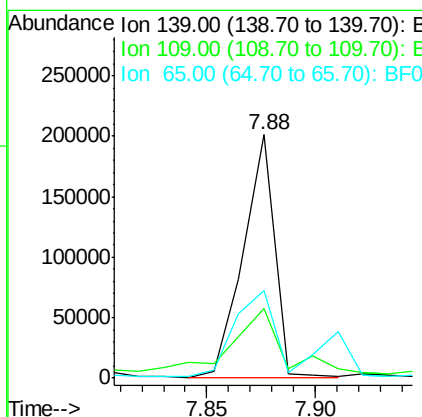
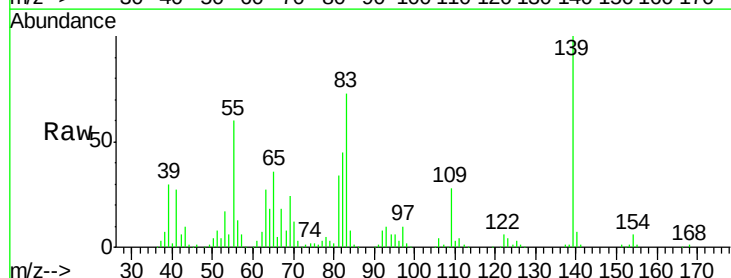
Manual Integrations
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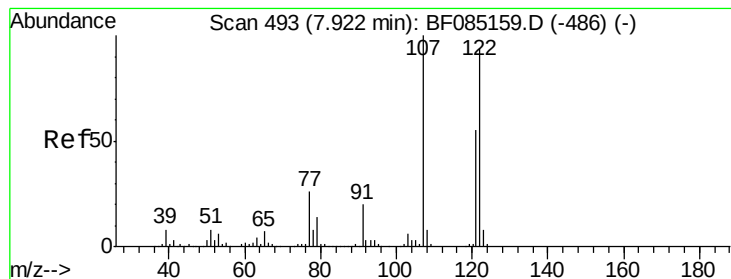
UMANGI
3/7/2016 9:35:35 AM



#26
2-Nitrophenol
Concen: 43.51 ng
RT: 7.88 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	28.3	19.1	28.7	
65	36.1	23.9	35.9#	





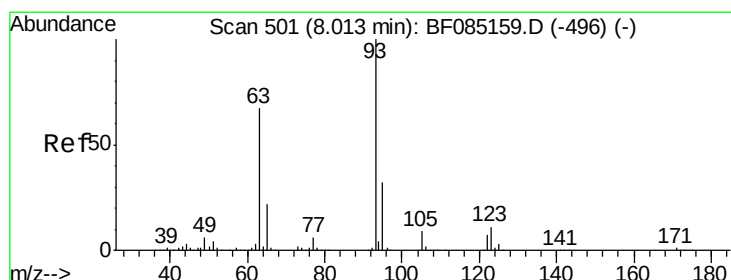
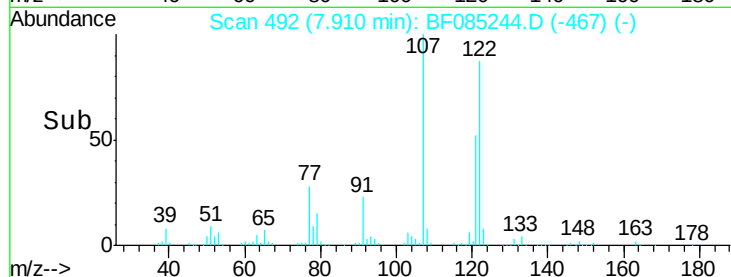
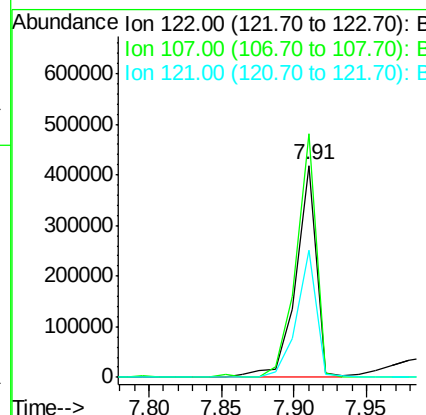
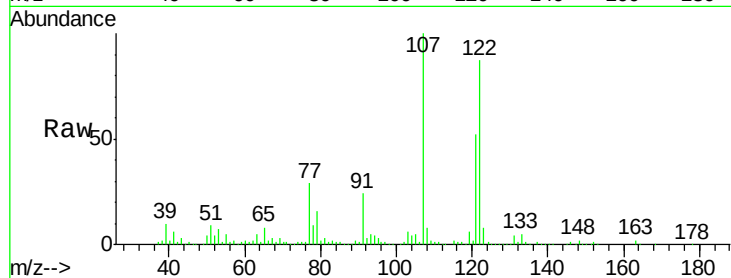
#27
2,4-Dimethylphenol
Concen: 49.09 ng
RT: 7.91 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.1	84.8	127.2
121	60.3	47.0	70.6

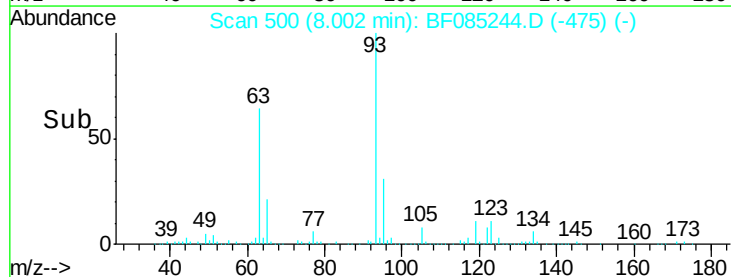
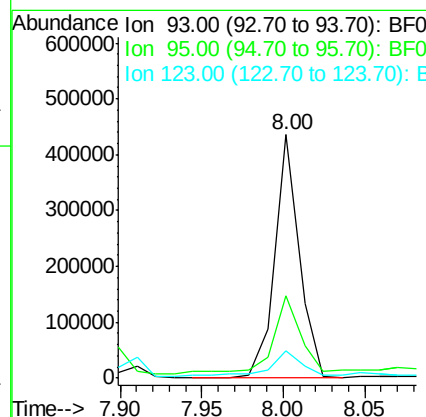
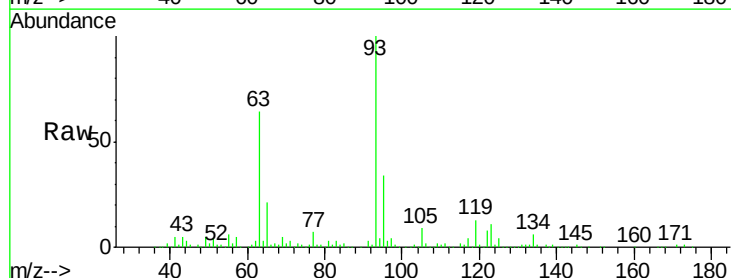
Manual Integrations
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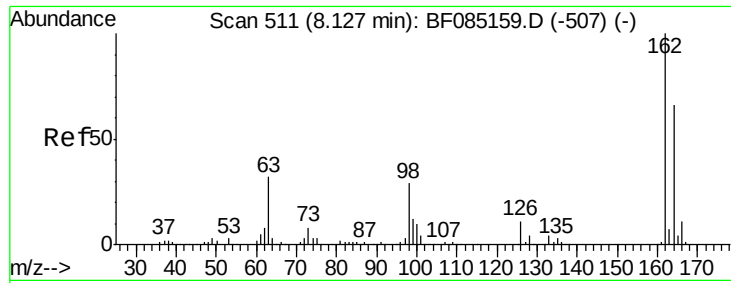
UMANGI
3/7/2016 9:35:35 AM



#28
bis(2-Chloroethoxy)methane
Concen: 47.03 ng
RT: 8.00 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.9	38.9
123	11.4	8.8	13.2





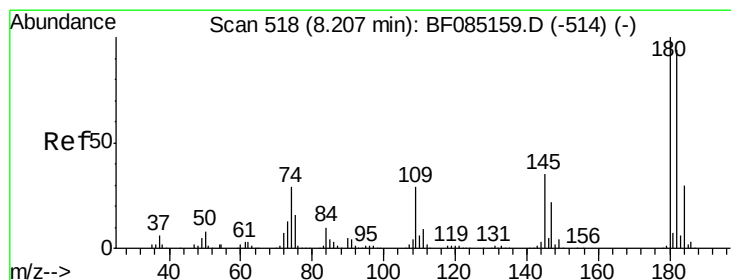
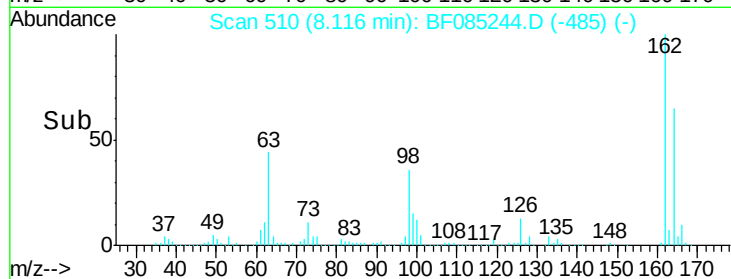
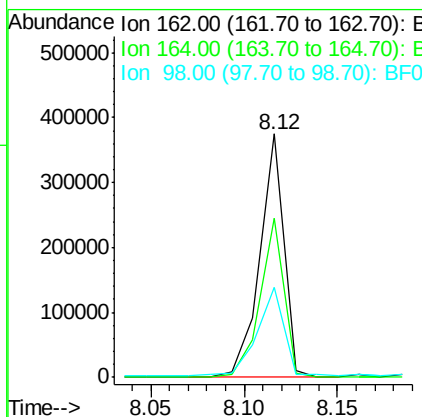
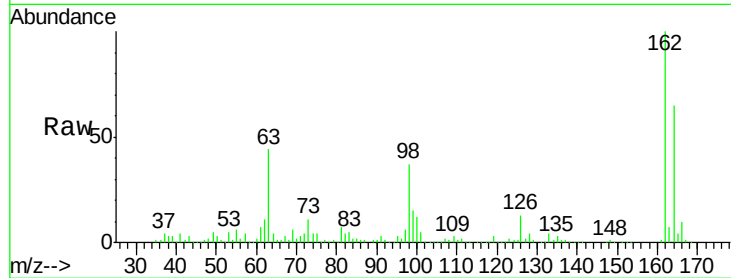
#29
2,4-Dichlorophenol
Concen: 49.28 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.1	45.7	85.7
98	36.8	9.4	49.4

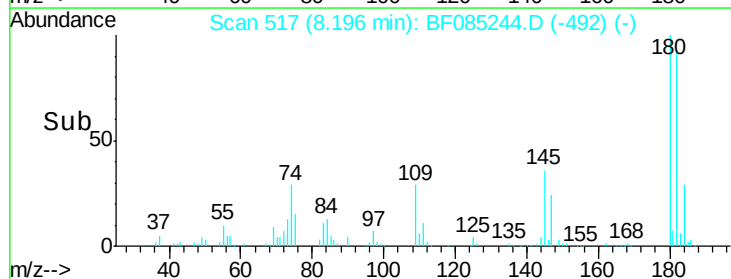
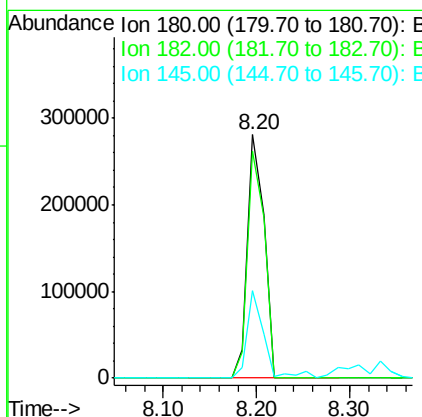
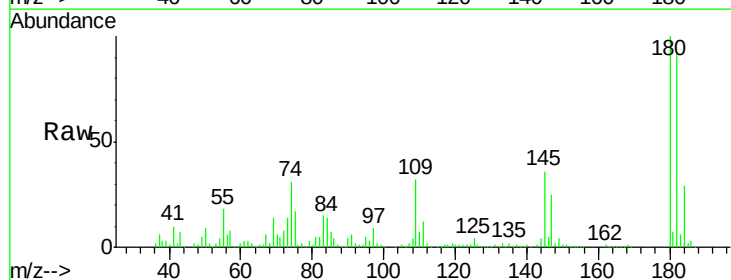
Manual Integrations
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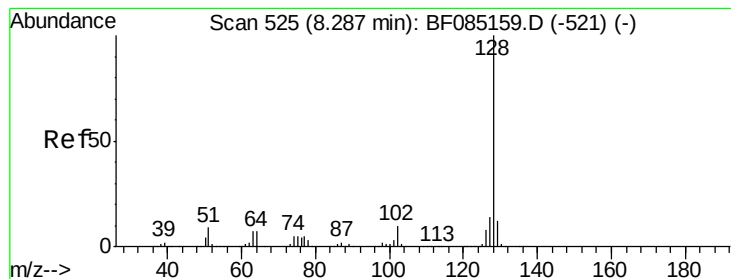
UMANGI
3/7/2016 9:35:35 AM



#30
1,2,4-Trichlorobenzene
Concen: 47.29 ng
RT: 8.20 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.4	74.9	112.3
145	35.9	27.9	41.9





#31

Naphthalene

Concen: 47.77 ng

RT: 8.29 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF085244.D

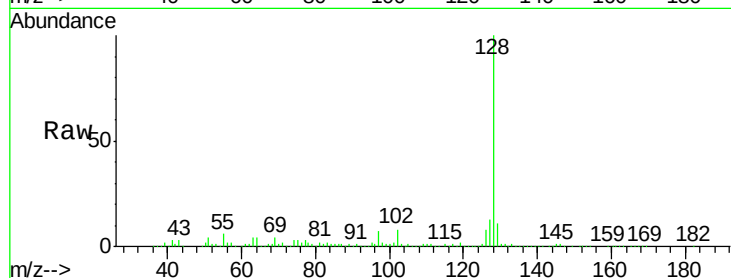
Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD



Tot Ion:128 Resp: 1170591

Ion Ratio Lower Upper

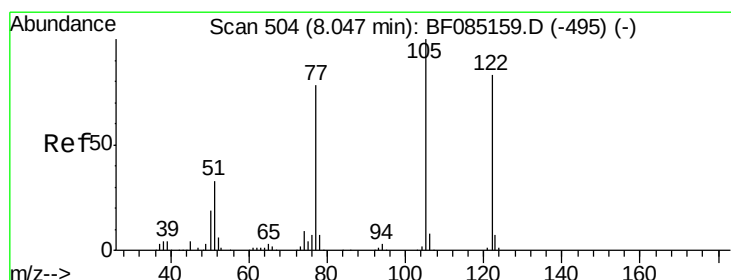
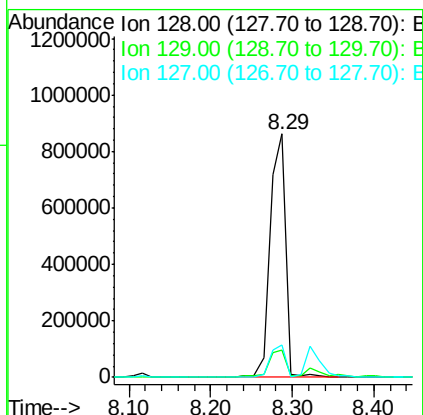
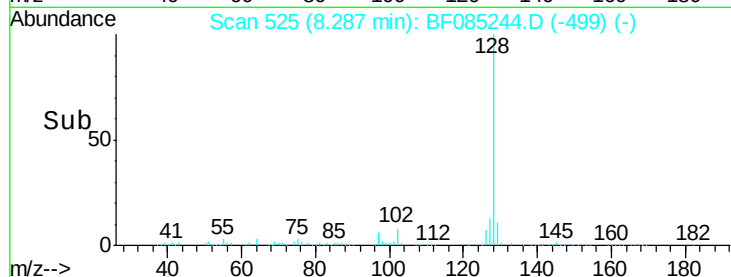
128 100

129 11.1 9.7 14.5

127 13.4 11.2 16.8

Manual Integrations
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#32

Benzoic acid

Concen: 21.11 ng

RT: 7.99 min Scan# 499

Delta R.T. -0.06 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

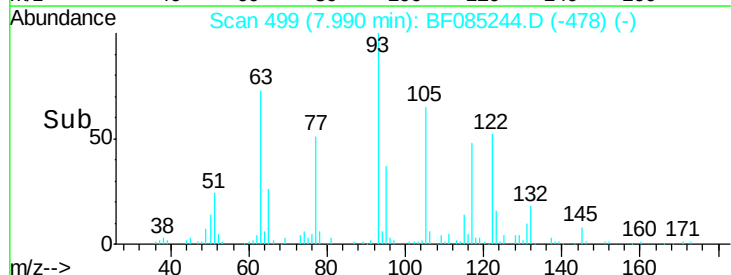
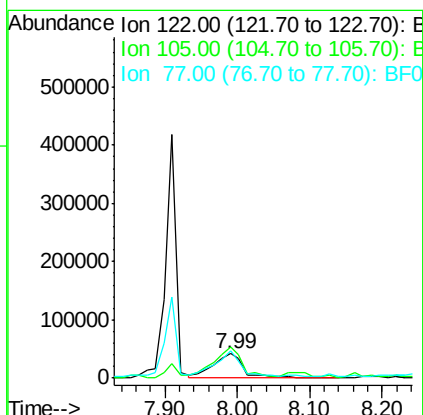
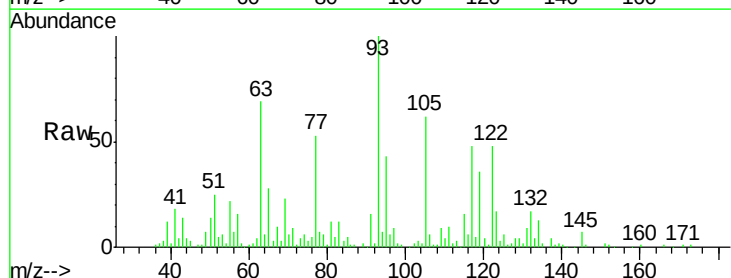
Tgt Ion:122 Resp: 117955

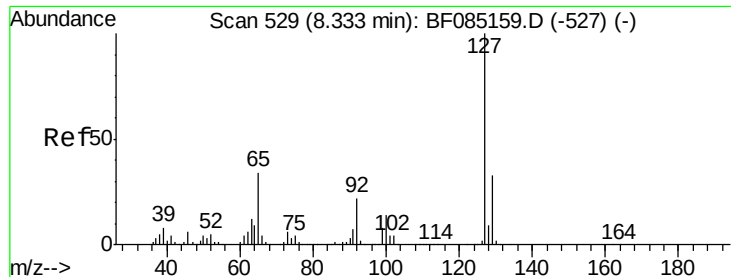
Ion Ratio Lower Upper

122 100

105 127.6 101.3 141.3

77 109.7 74.7 114.7





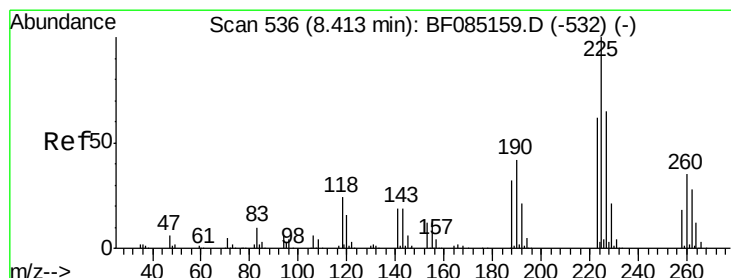
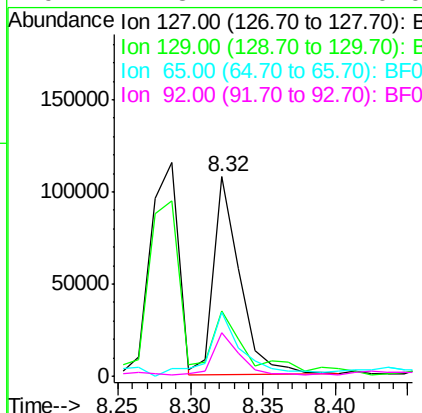
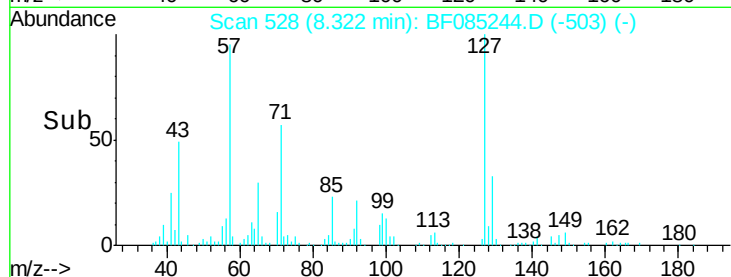
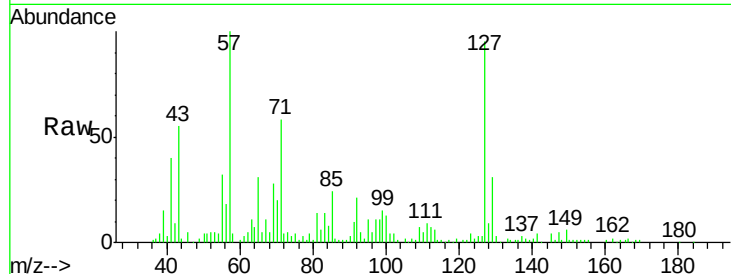
#33
4-Chloroaniline
Concen: 13.54 ng
RT: 8.32 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	26.1	39.1		
65	32.1	27.0	40.6		
92	21.8	17.4	26.0		

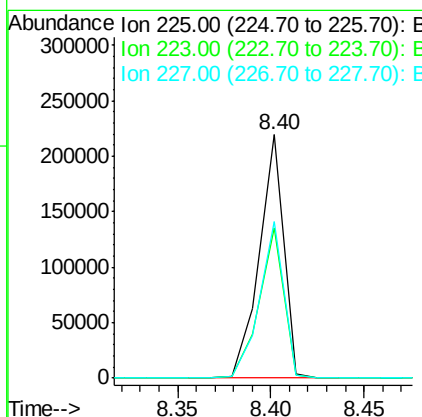
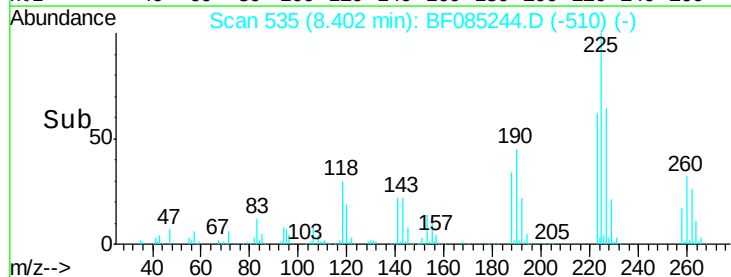
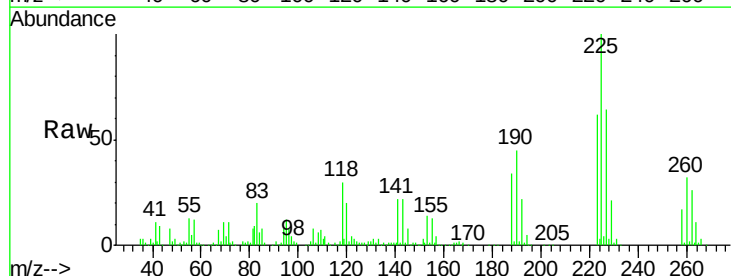
Manual Integrations
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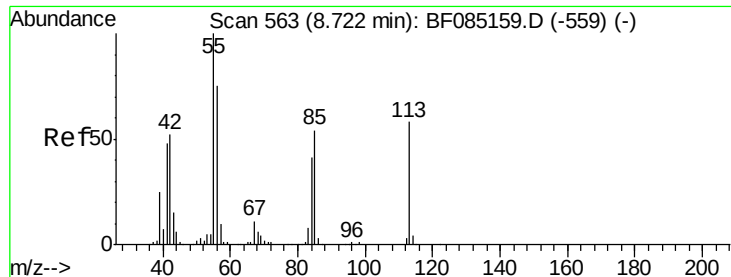
UMANGI
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#34
Hexachlorobutadiene
Concen: 51.77 ng
RT: 8.40 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.7	49.7	74.5		
227	64.2	52.2	78.4		





#35

Caprolactam

Concen: 58.53 ng

RT: 8.69 min Scan# 560

Delta R.T. -0.03 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

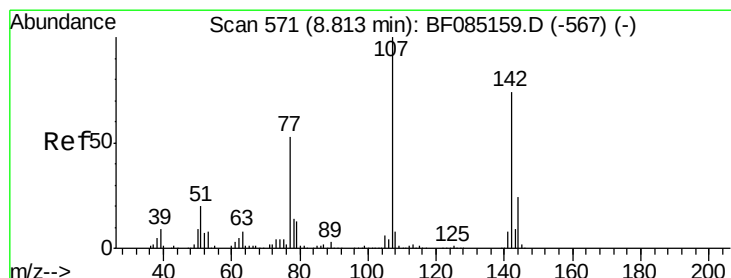
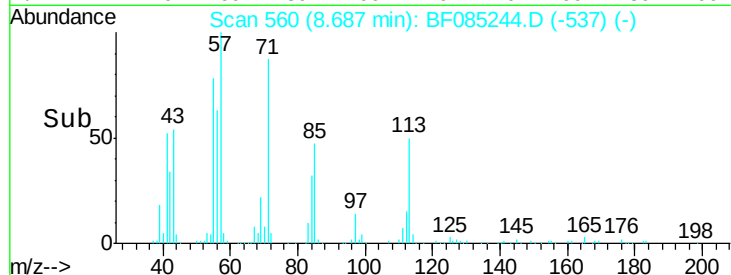
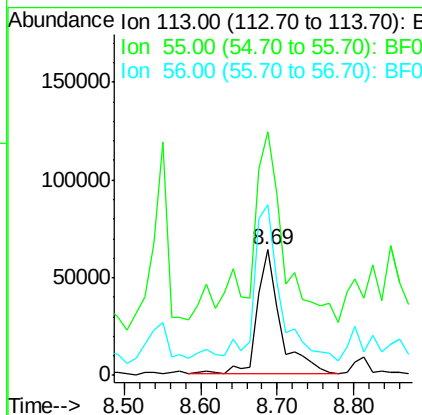
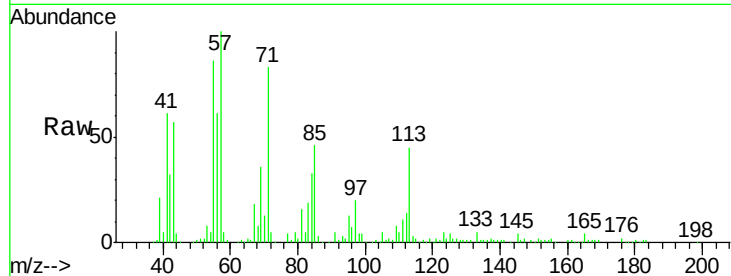
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	113	Resp:	129711
Ion Ratio	Lower	Upper	
113	100		
55	193.6	152.7	192.7#
56	136.2	109.0	149.0

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 46.42 ng

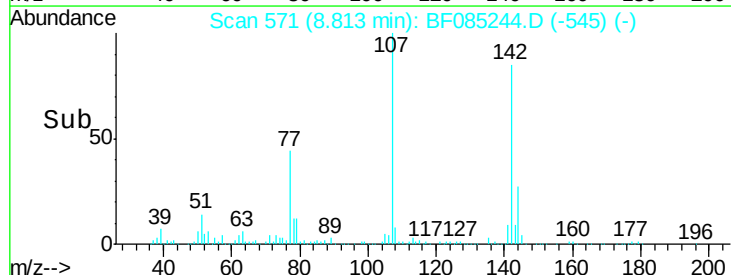
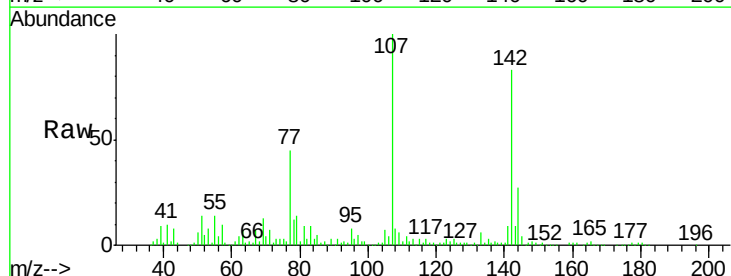
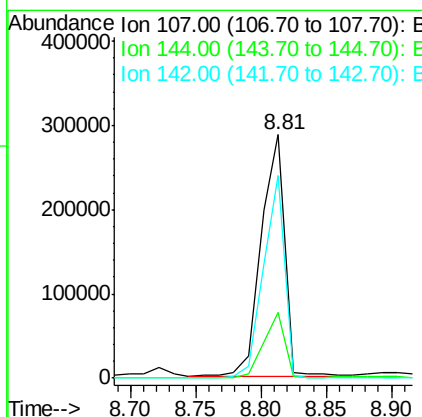
RT: 8.81 min Scan# 571

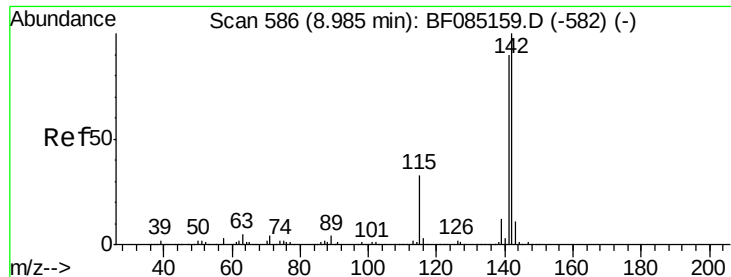
Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	107	Resp:	357394
Ion Ratio	Lower	Upper	
107	100		
144	27.0	19.4	29.2
142	83.3	59.4	89.2





#37

2-Methylnaphthalene

Concen: 49.51 ng

RT: 8.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

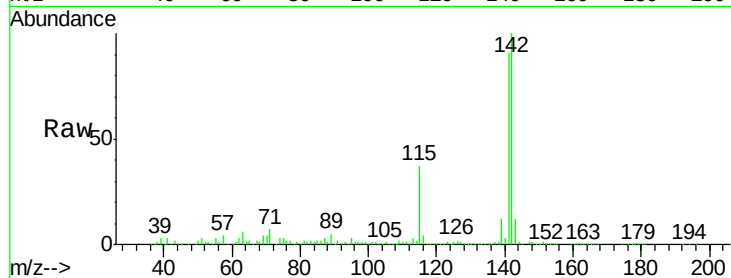
SB-43(10-12)MSD

Manual Integrations
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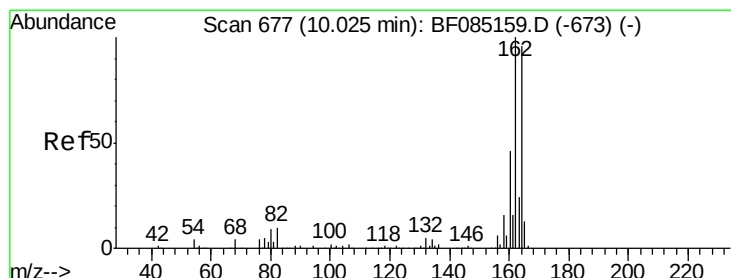
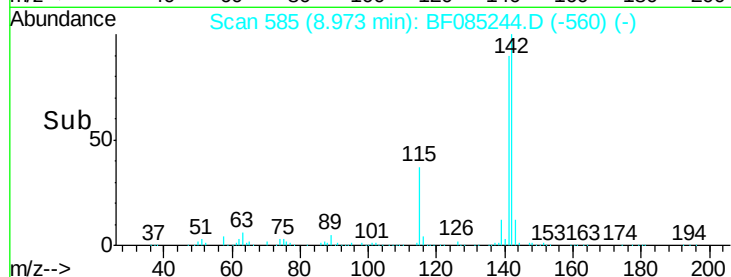
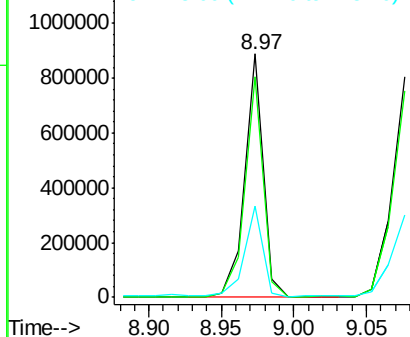
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3/7/2016 9:35:35 AM

Tot Ion:	142	Resp:	778611
Ion Ratio	Lower	Upper	
142	100		
141	90.6	71.7	107.5
115	37.5	26.2	39.4



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

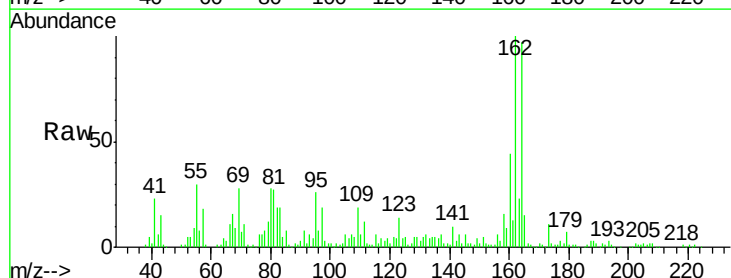
RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

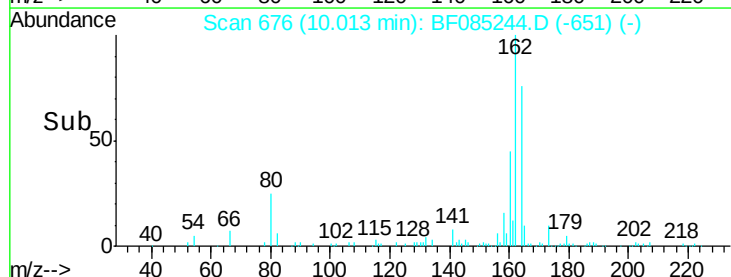
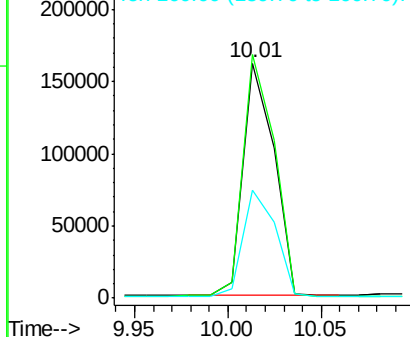
Lab File: BF085244.D

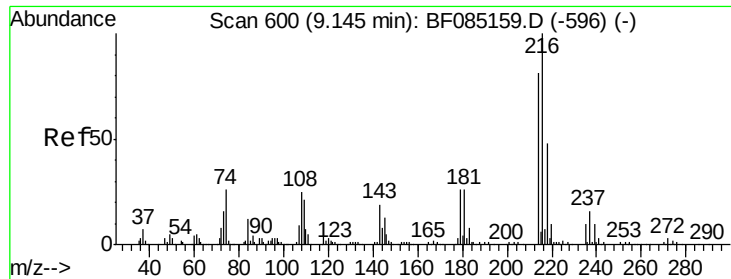
Acq: 5 Mar 2016 10:29

Tgt Ion:	164	Resp:	188935
Ion Ratio	Lower	Upper	
164	100		
162	103.6	83.3	124.9
160	46.1	37.9	56.9



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





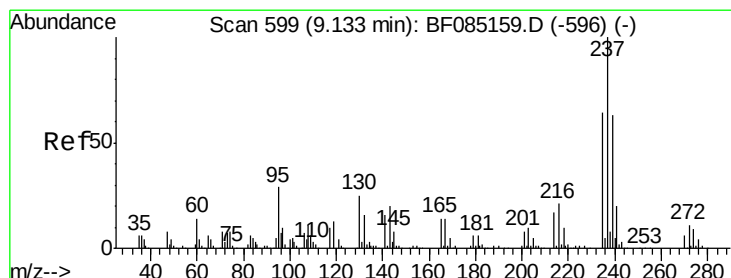
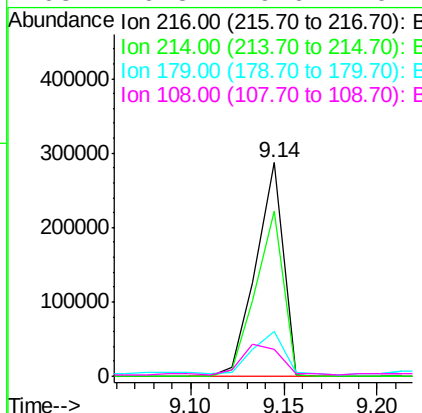
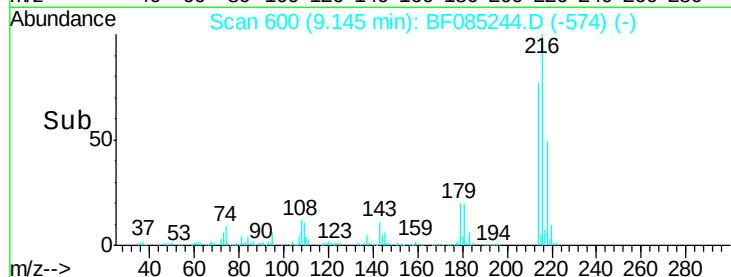
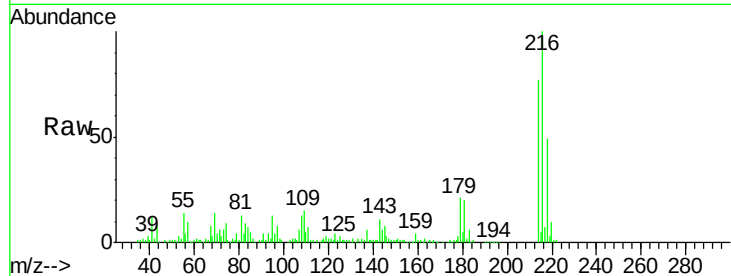
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 54.02 ng
 RT: 9.14 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		291882		
214	78.6	63.8	95.6		
179	26.5	19.6	29.4		
108	20.3	19.6	29.4		

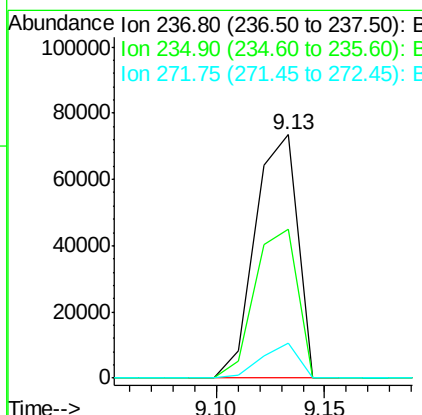
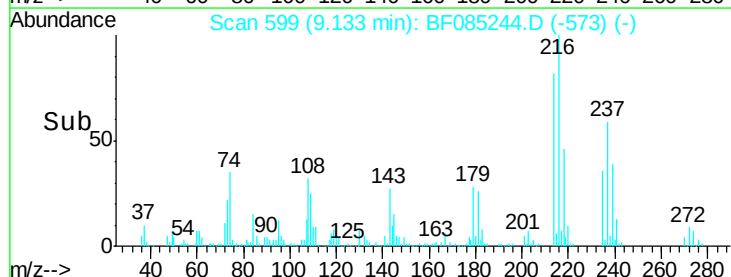
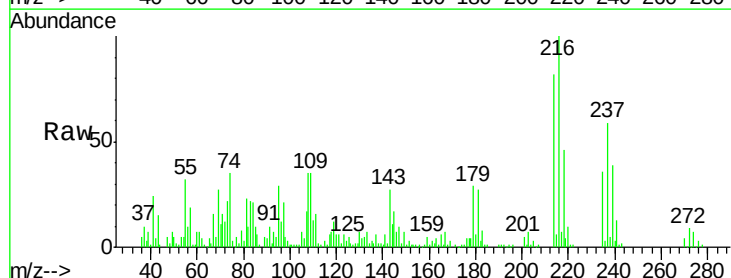
Manual Integrations
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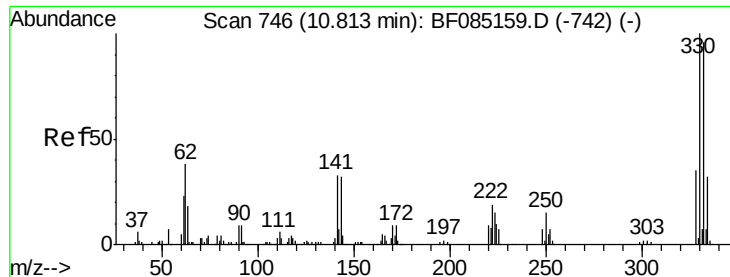
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#40
 Hexachlorocyclopentadiene
 Concen: 34.39 ng
 RT: 9.13 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		100212		
235	61.3	43.7	83.7		
272	14.6	0.0	31.5		





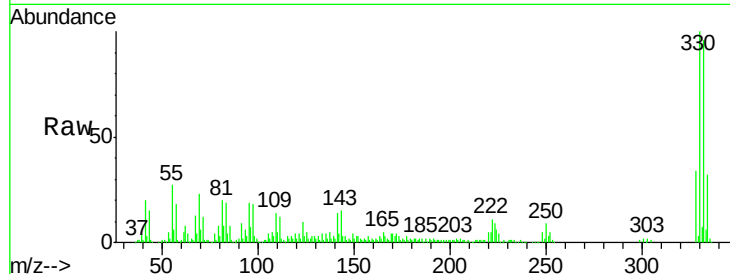
#41
 2,4,6-Tribromophenol
 Concen: 176.57 ng
 RT: 10.81 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

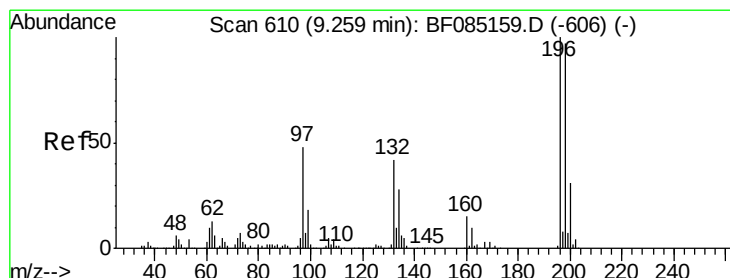
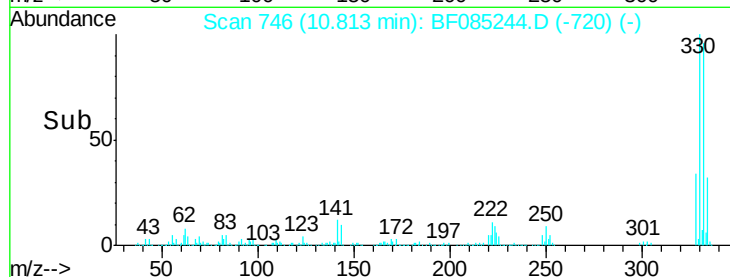
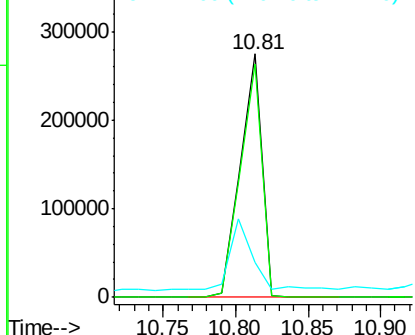
Tot Ion	Ratio	Resp	Lower	Upper
330	100	285453		
332	96.1		77.1	115.7
141	34.3		35.0	52.6

Manual Integrations
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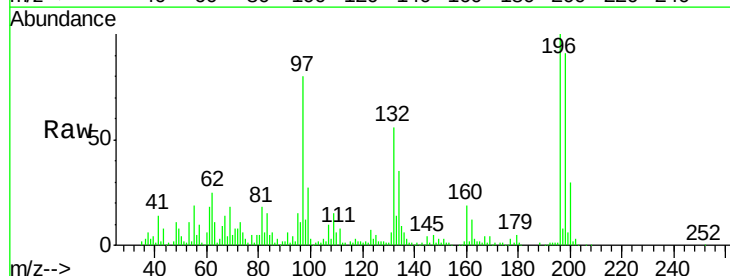


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

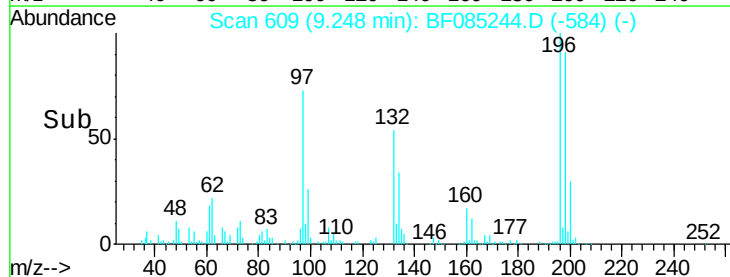
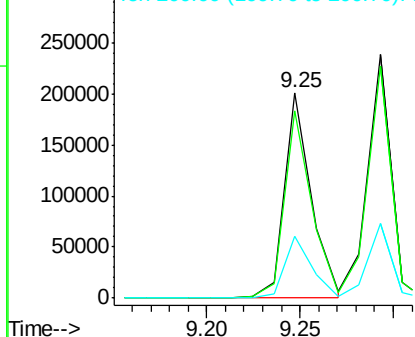


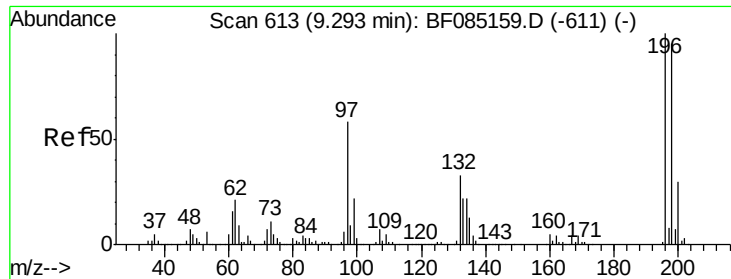
#42
 2,4,6-Trichlorophenol
 Concen: 49.77 ng
 RT: 9.25 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	200171		
198	91.1		77.8	116.6
200	29.9		25.0	37.6



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





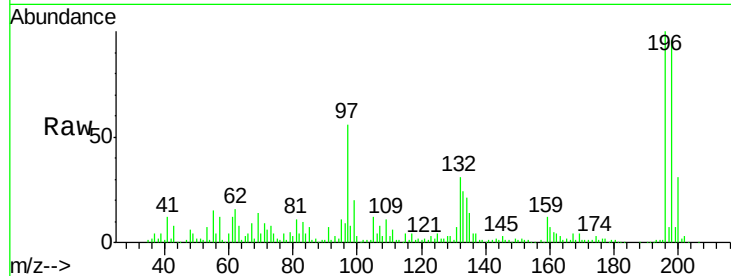
#43
 2,4,5-Trichlorophenol
 Concen: 53.42 ng
 RT: 9.29 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

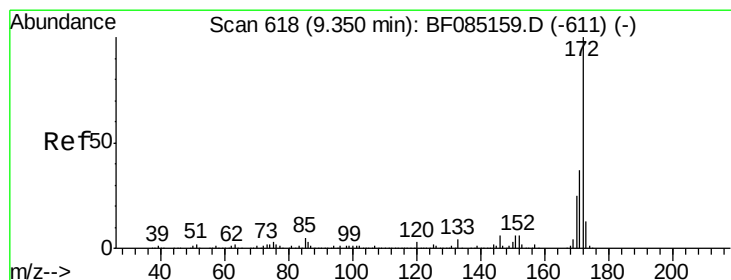
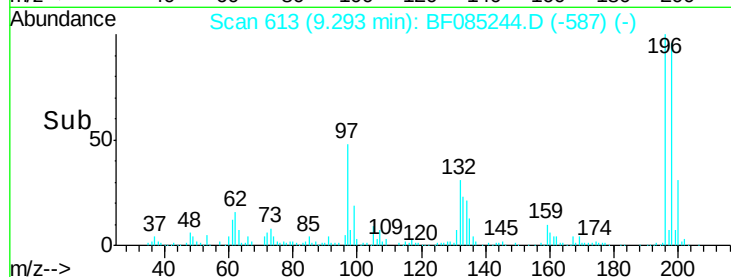
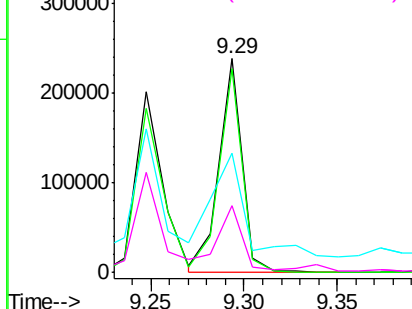
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		203722		
198	95.6	75.7	113.5		
97	55.9	46.4	69.6		
132	31.0	26.2	39.4		

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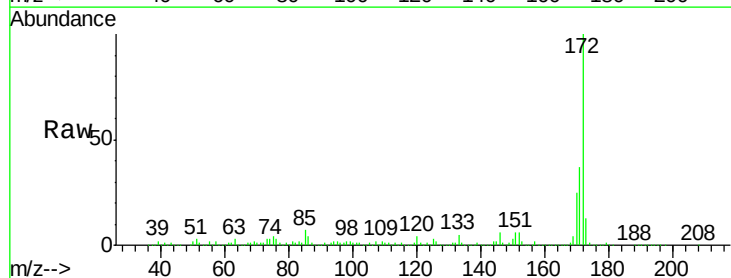


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

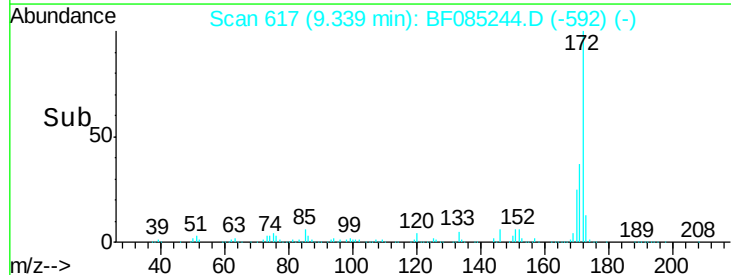
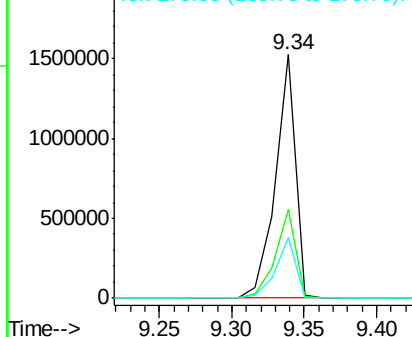


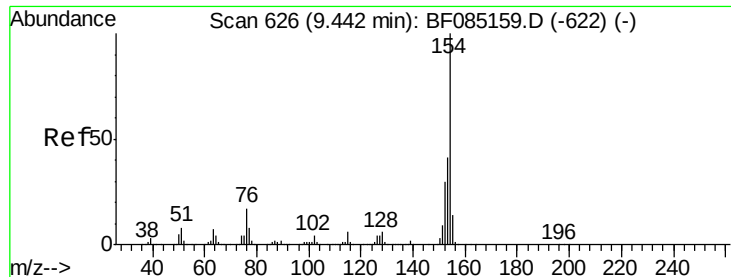
#44
 2-Fluorobiphenyl
 Concen: 117.77 ng
 RT: 9.34 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1463063		
171	36.7	29.3	43.9		
170	24.9	20.0	30.0		



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 50.80 ng

RT: 9.44 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

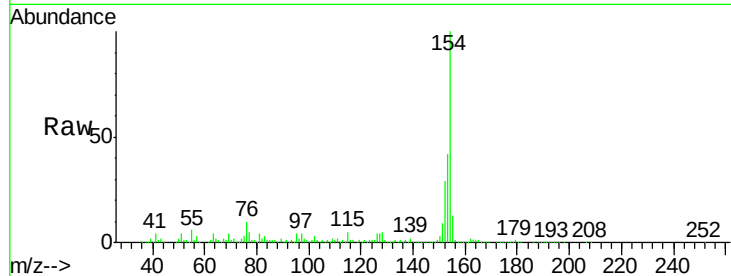
ClientSampleId :

SB-43(10-12)MSD

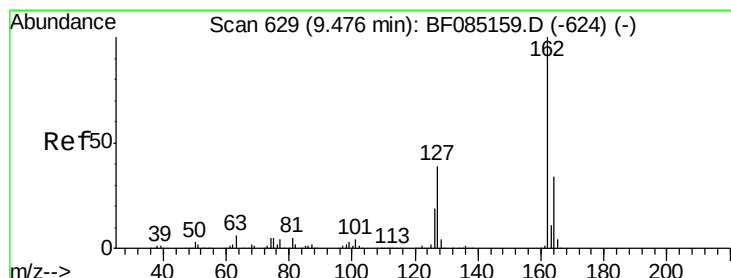
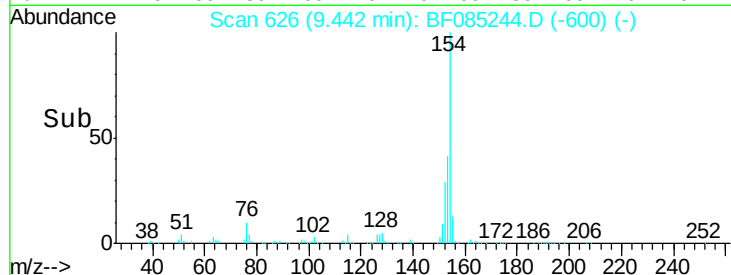
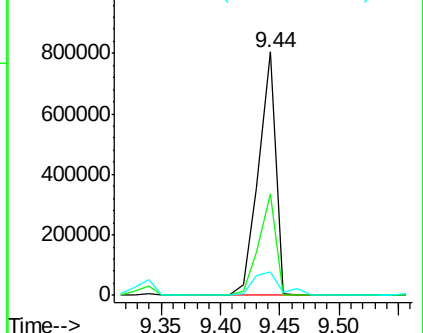
Tot Ion:	154	Resp:	820060
Ion Ratio	Lower	Upper	
154	100		
153	41.5	21.4	61.4
76	9.7	0.0	37.5

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



#46

2-Chloronaphthalene

Concen: 50.52 ng

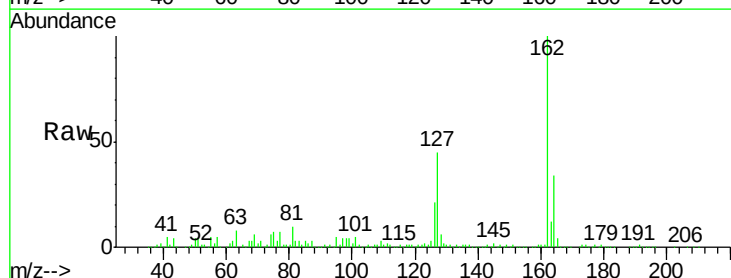
RT: 9.46 min Scan# 628

Delta R.T. -0.01 min

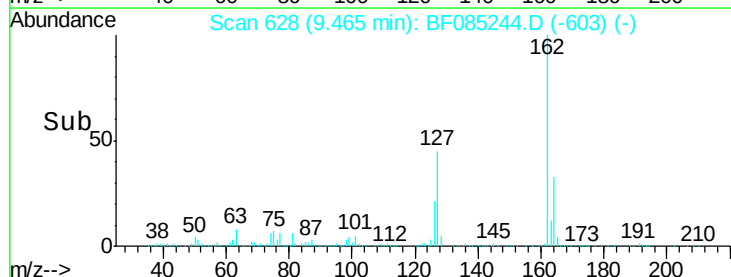
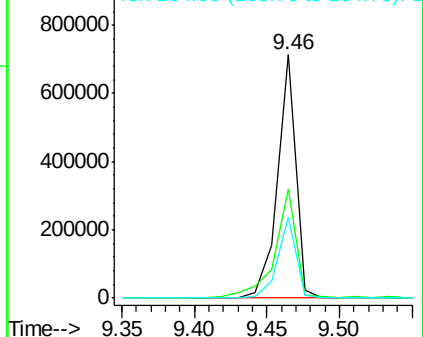
Lab File: BF085244.D

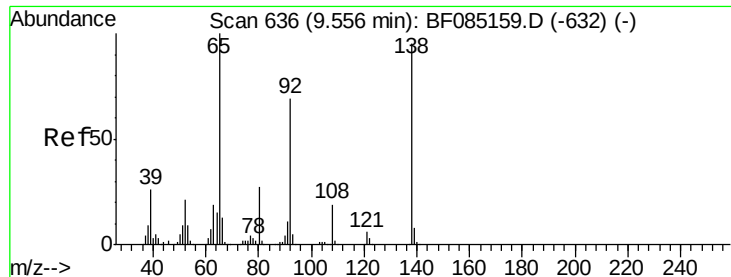
Acq: 5 Mar 2016 10:29

Tgt Ion:	162	Resp:	621616
Ion Ratio	Lower	Upper	
162	100		
127	44.9	31.6	47.4
164	33.5	27.1	40.7



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





#47

2-Nitroaniline

Concen: 56.09 ng

RT: 9.56 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

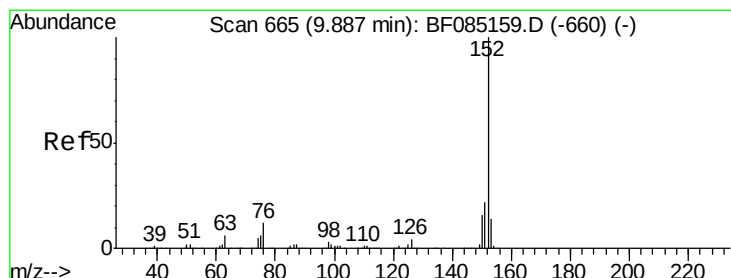
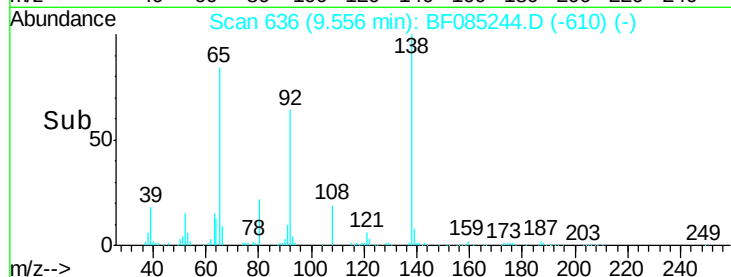
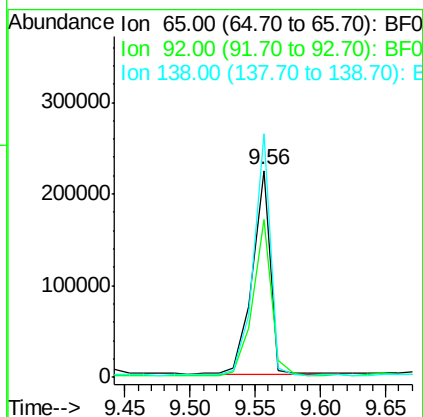
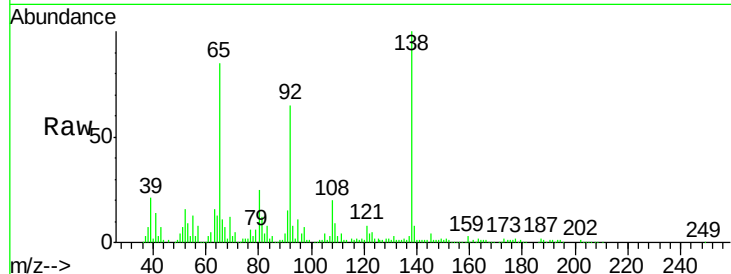
SB-43(10-12)MSD

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Tot Ion	Ratio	Lower	Upper
65	100		
92	76.5	55.4	83.2
138	117.7	75.7	113.5



#48

Acenaphthylene

Concen: 46.10 ng

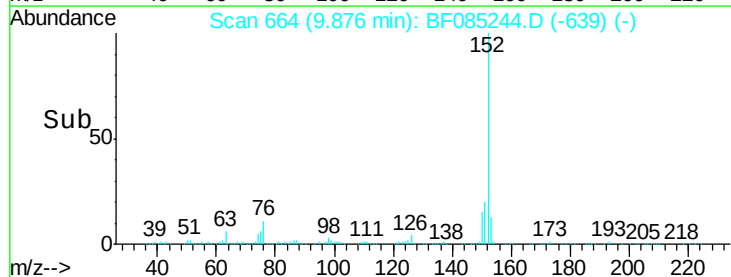
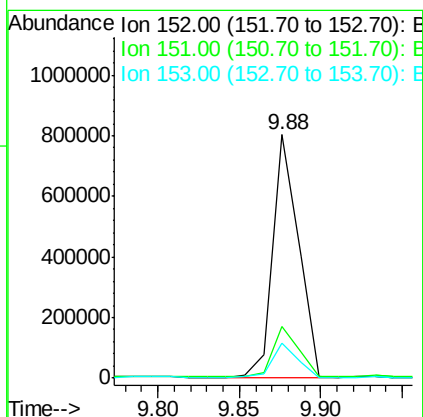
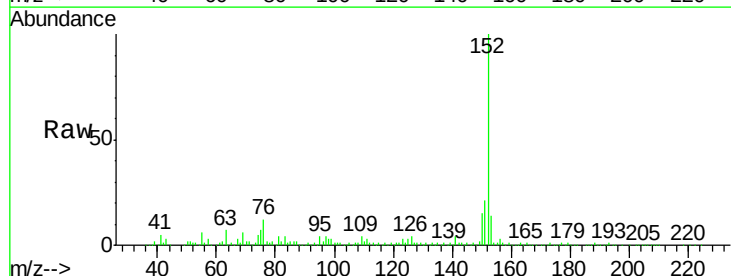
RT: 9.88 min Scan# 664

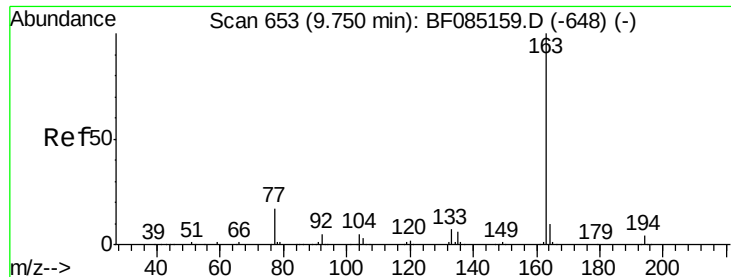
Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.5	26.3
153	14.2	11.3	16.9





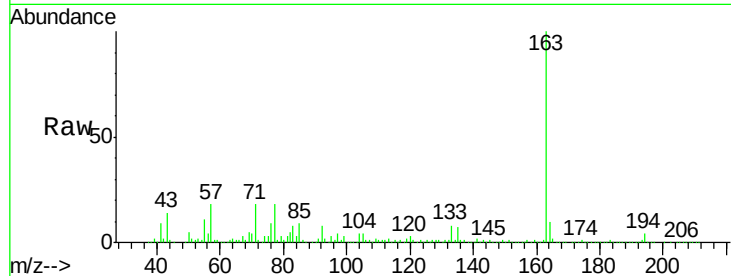
#49
Dimethylphthalate
Concen: 59.75 ng
RT: 9.74 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

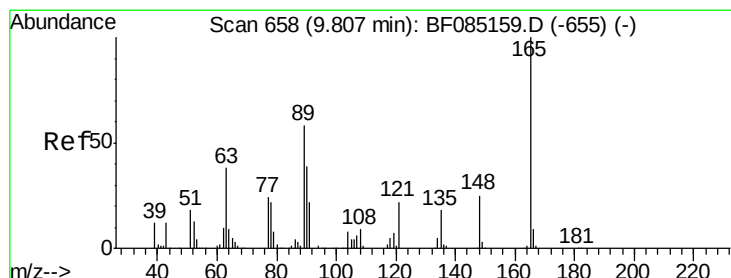
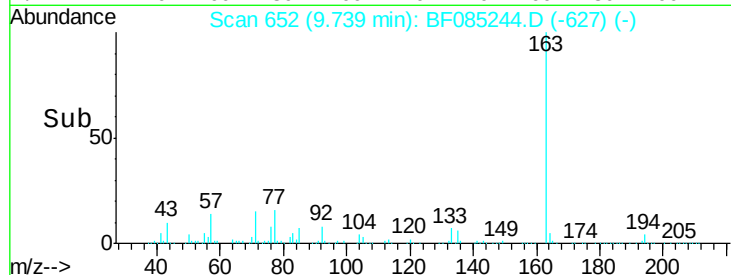
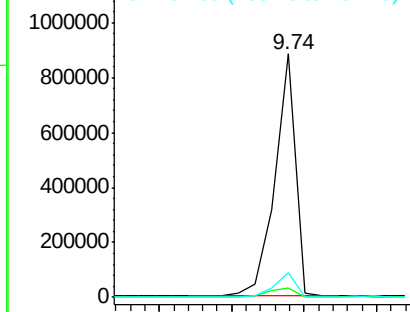
Tot Ion:	163	Resp:	866428
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	10.2	8.2	12.4

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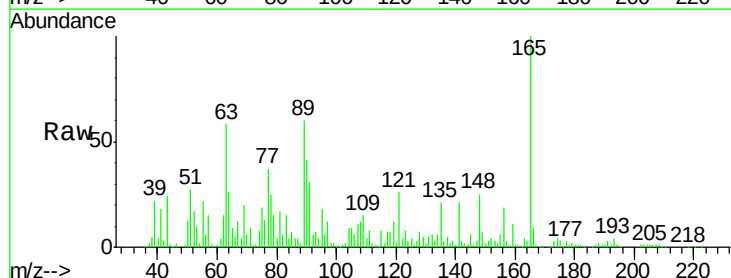


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

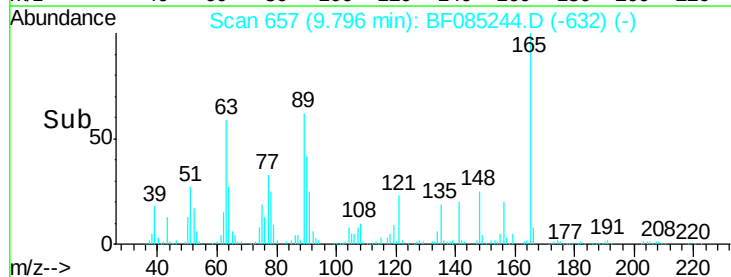
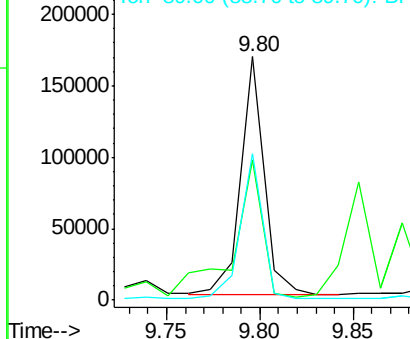


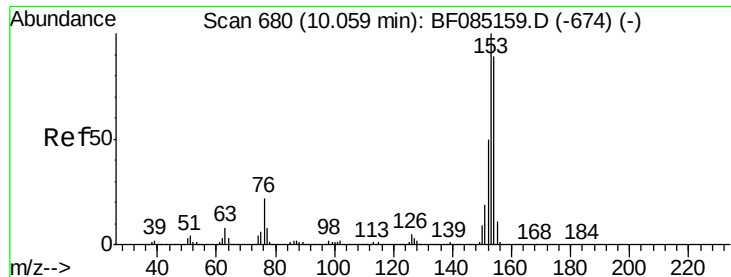
#50
2,6-Dinitrotoluene
Concen: 46.62 ng
RT: 9.80 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:	165	Resp:	144643
Ion Ratio	Lower	Upper	
165	100		
63	57.5	41.8	62.8
89	59.9	46.7	70.1



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: 44.67 ng

RT: 10.05 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

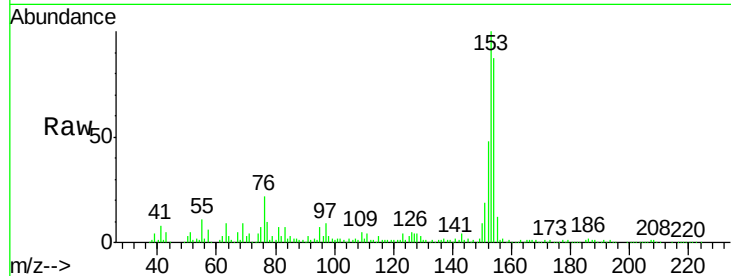
ClientSampleId :

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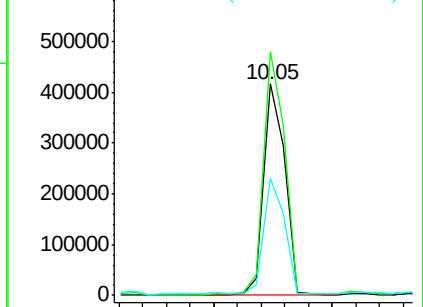
Tot Ion:	154	Resp:	519347
Ion Ratio	Lower	Upper	
154	100		
153	115.1	89.8	134.8
152	55.5	44.6	66.8

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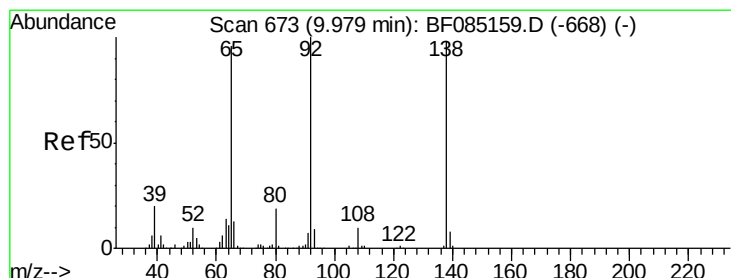
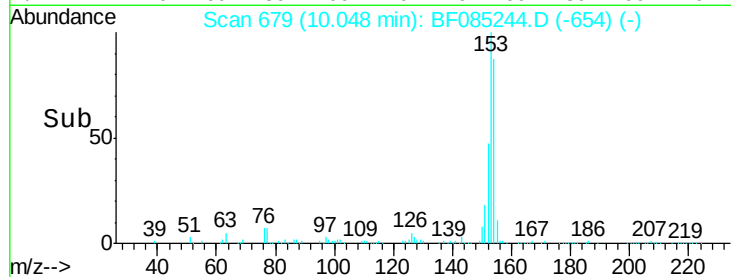
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#52

3-Nitroaniline

Concen: 37.23 ng

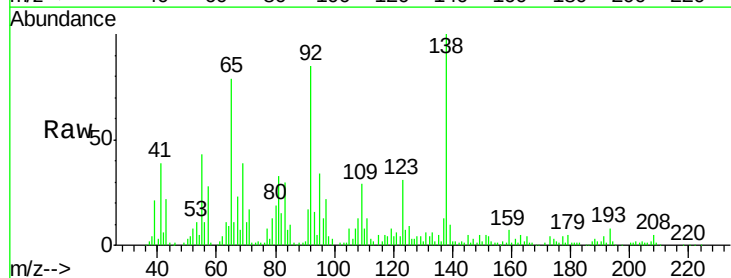
RT: 9.97 min Scan# 672

Delta R.T. -0.01 min

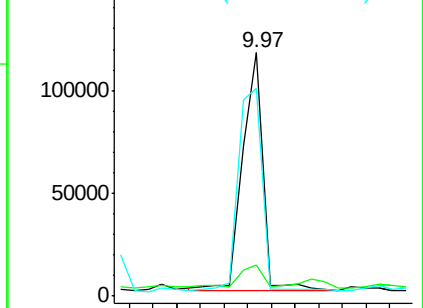
Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

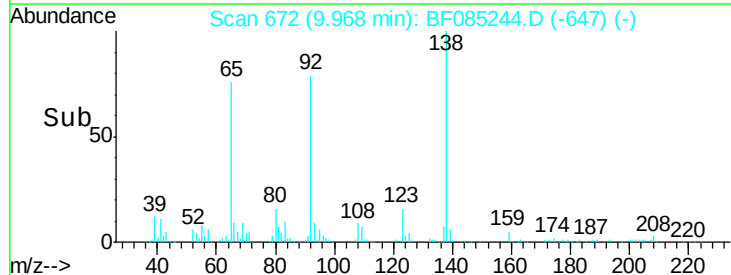
Tgt Ion:	138	Resp:	138171
Ion Ratio	Lower	Upper	
138	100		
108	12.5	7.8	11.6#
92	85.4	81.3	121.9

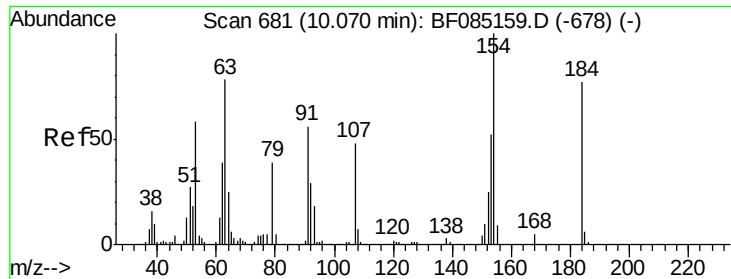


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0



Time-->





#53

2,4-Dinitrophenol

Concen: 13.35 na

RT: 10.07 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:184 Resp: 9308

Ion Ratio Lower Upper

184 100

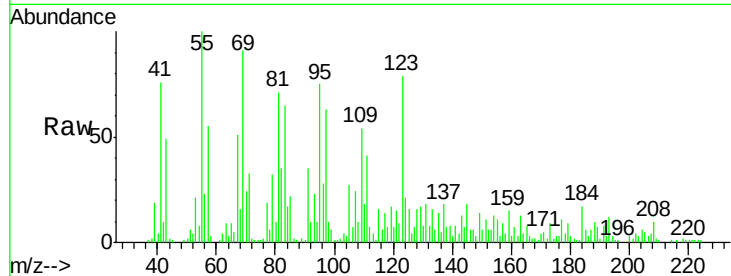
63 56.3 82.2 123.4#

154 77.1 108.9 163.3#

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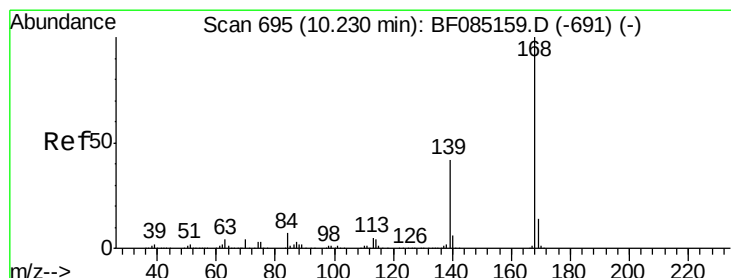
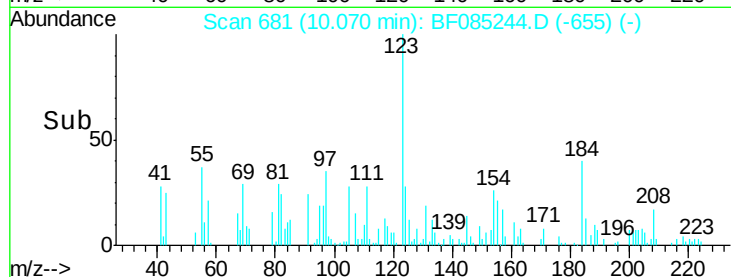
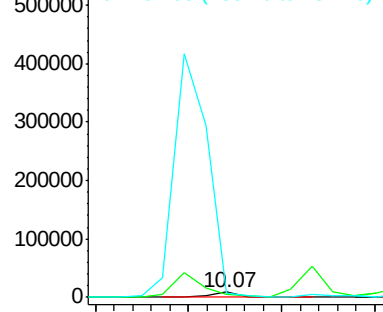
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 48.63 ng

RT: 10.22 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

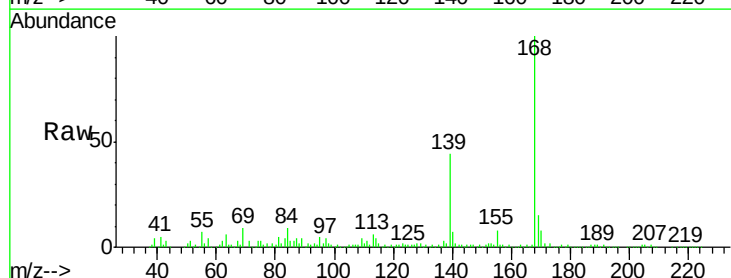
Tgt Ion:168 Resp: 740758

Ion Ratio Lower Upper

168 100

139 43.6 33.6 50.4

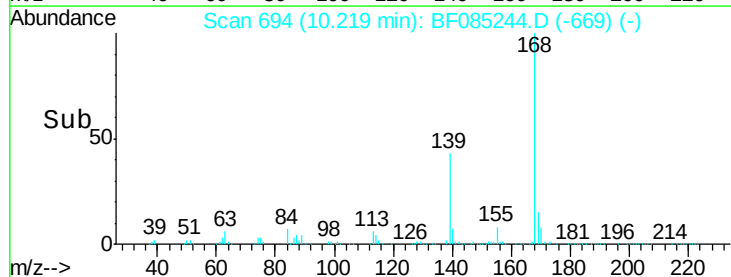
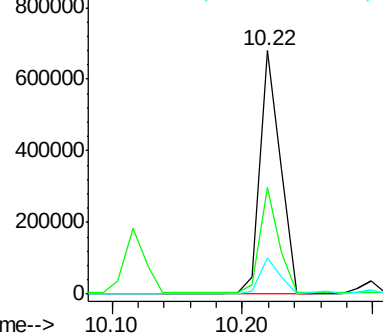
169 15.2 11.2 16.8

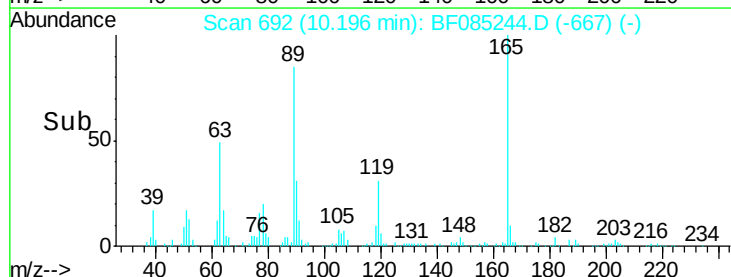
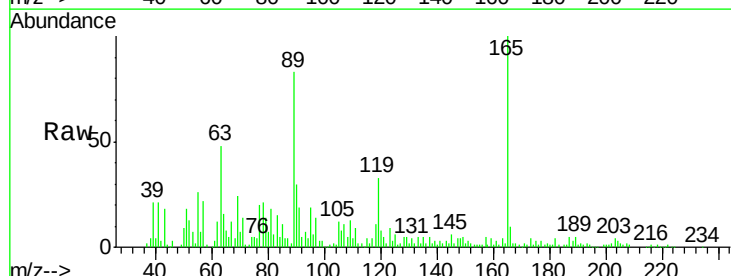
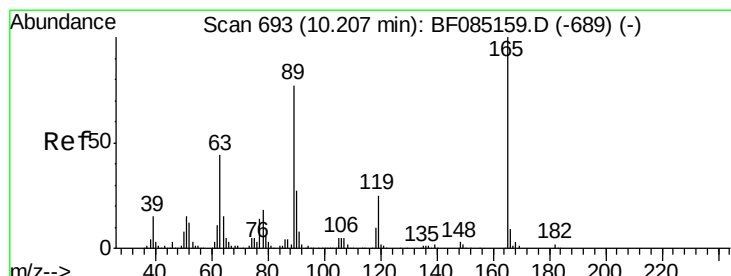
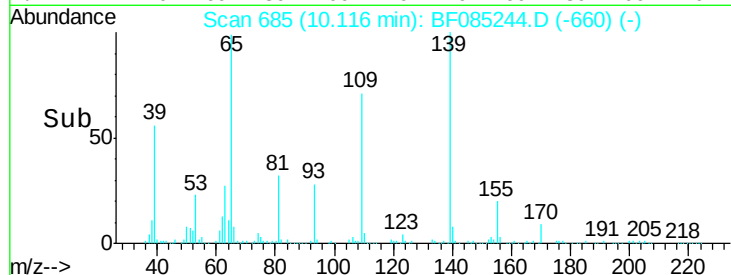
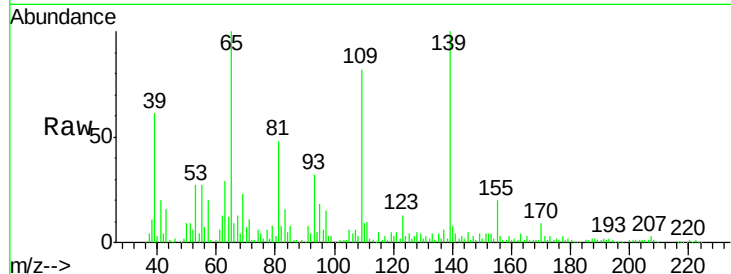
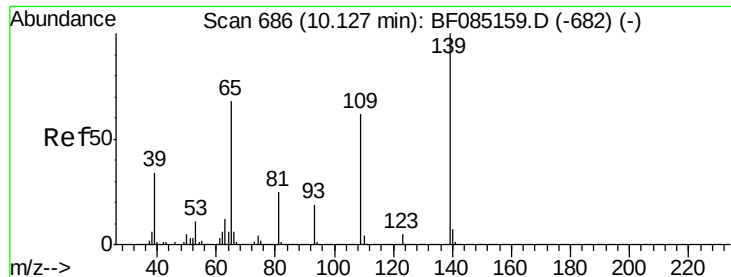


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





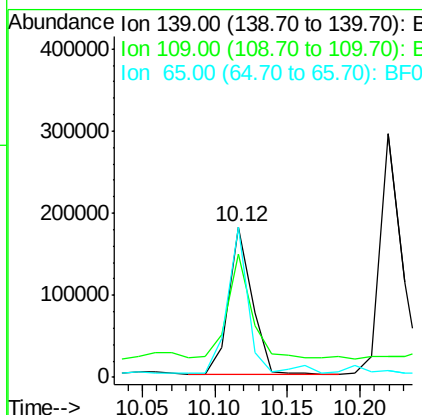
#55
4-Nitrophenol
Concen: 68.70 ng
RT: 10.12 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tot Ion	Ratio	Resp Lower	Upper
139	100		
109	82.3	41.9	81.9#
65	99.6	48.3	88.3#

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

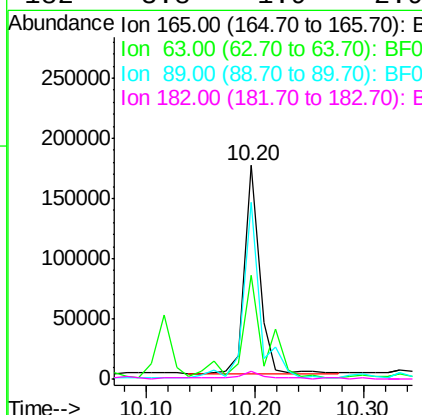
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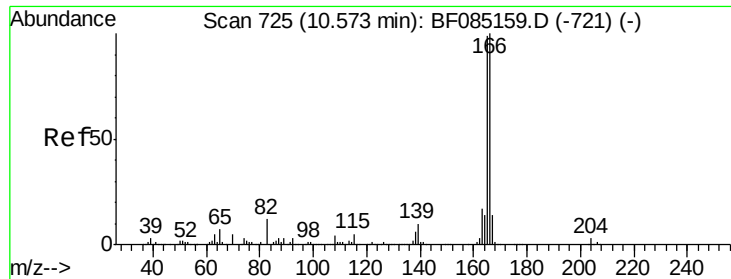
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#56
2,4-Dinitrotoluene
Concen: 43.15 ng
RT: 10.20 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	48.4	35.4	53.0
89	82.7	61.9	92.9
182	3.8	1.9	2.9#





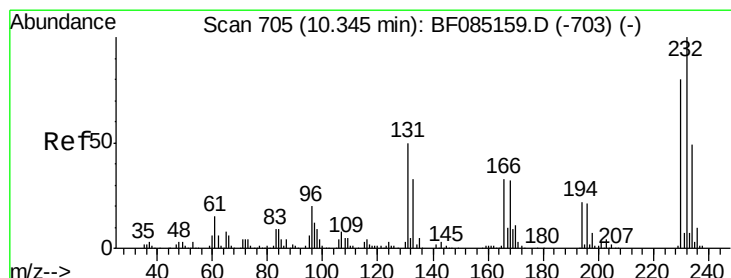
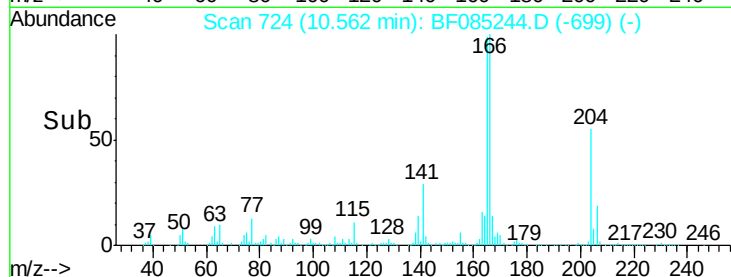
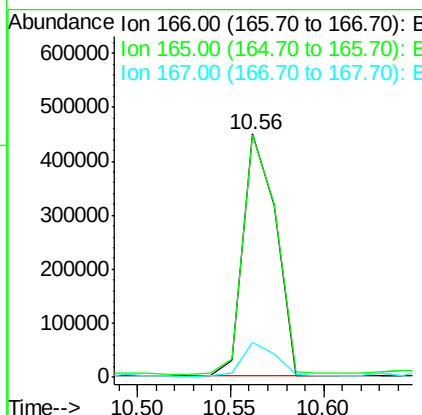
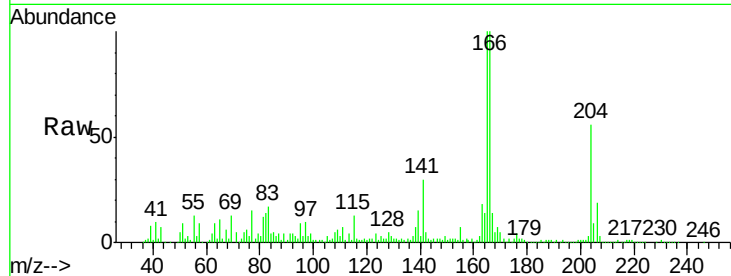
#57
 Fluorene
 Concen: 45.82 ng
 RT: 10.56 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.7	79.4	119.0	
167	14.5	11.0	16.6	

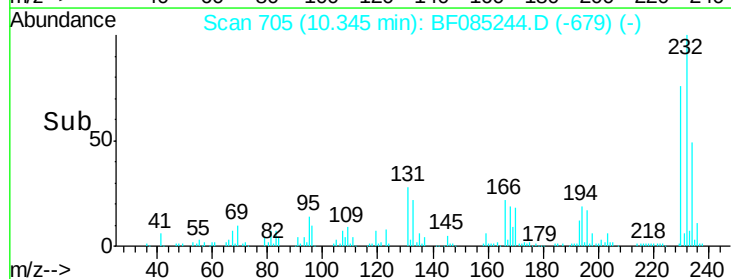
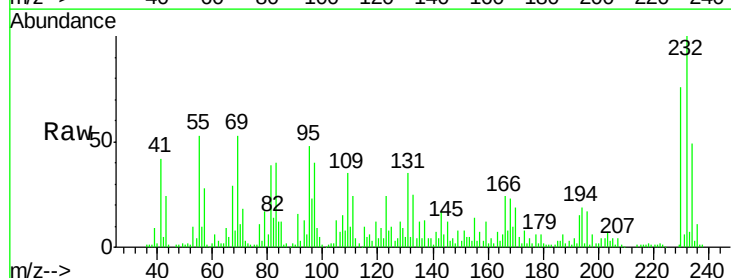
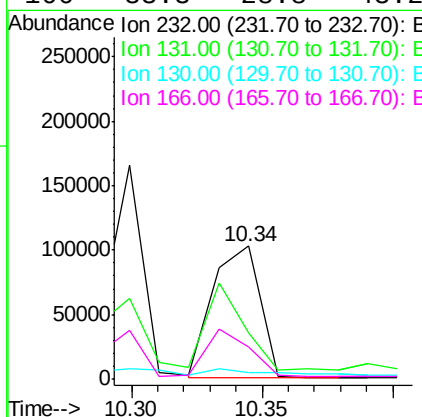
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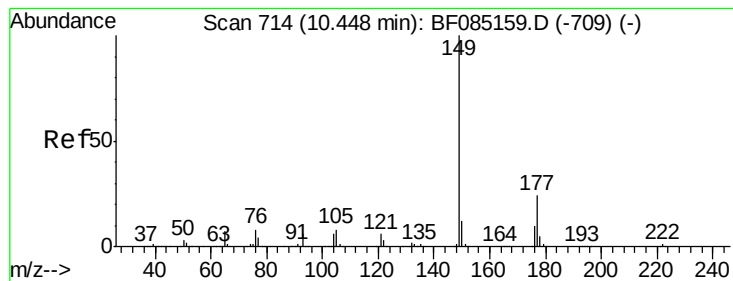
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 48.61 ng
 RT: 10.34 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	51.7	46.0	69.0	
130	6.9	2.2	3.4	
166	33.3	28.8	43.2	





#59

Diethylphthalate

Concen: 48.28 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

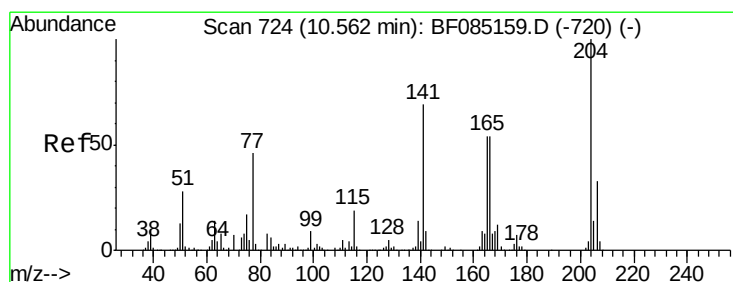
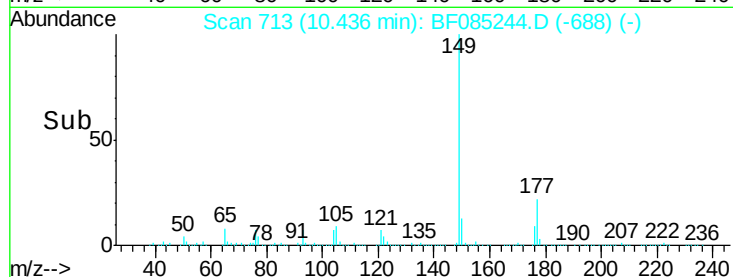
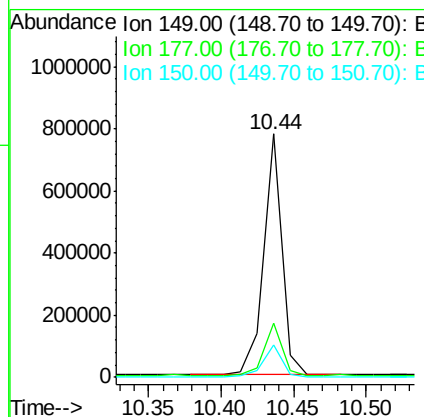
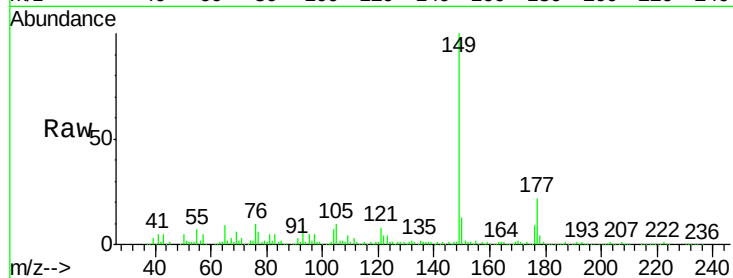
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	149	Resp:	679395
Ion Ratio	Lower	Upper	
149	100		
177	22.1	19.2	28.8
150	13.1	9.9	14.9

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#60

4-Chlorophenyl-phenylether

Concen: 49.73 ng

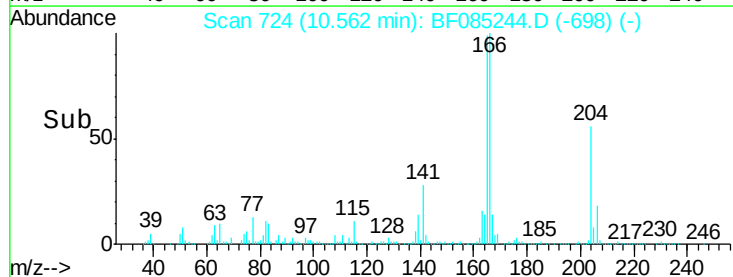
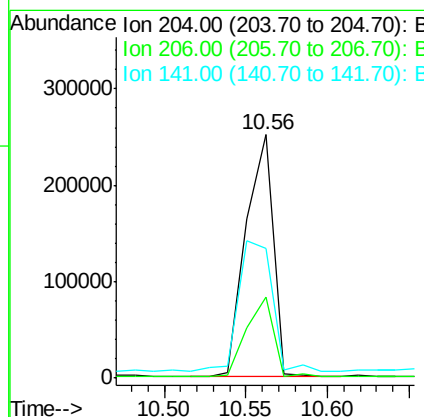
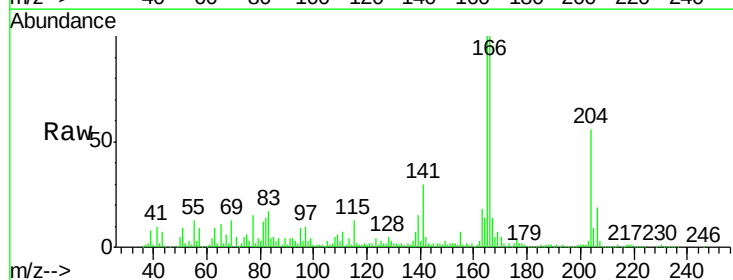
RT: 10.56 min Scan# 724

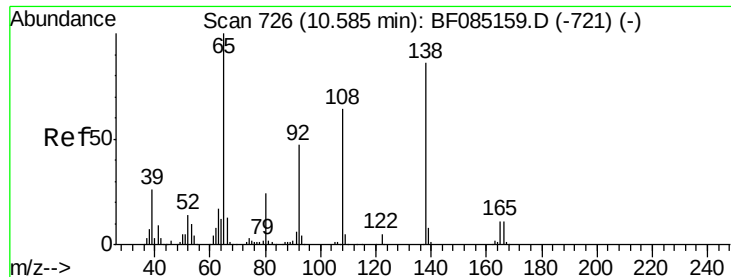
Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	204	Resp:	289548
Ion Ratio	Lower	Upper	
204	100		
206	33.5	26.5	39.7
141	53.4	55.4	83.2#





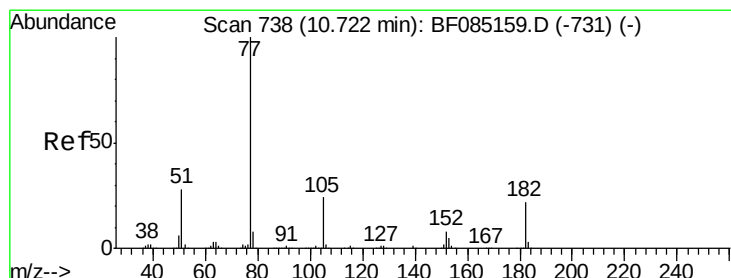
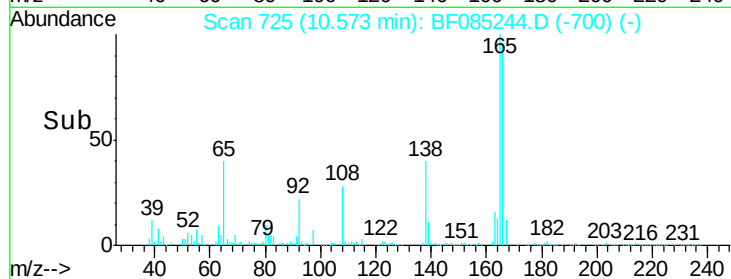
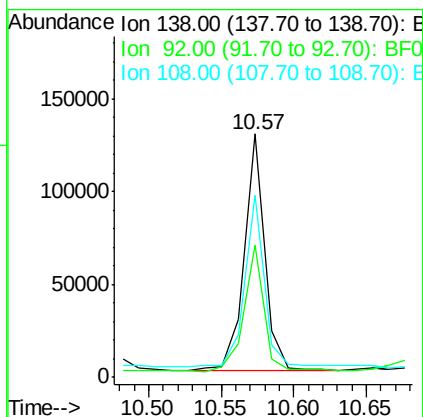
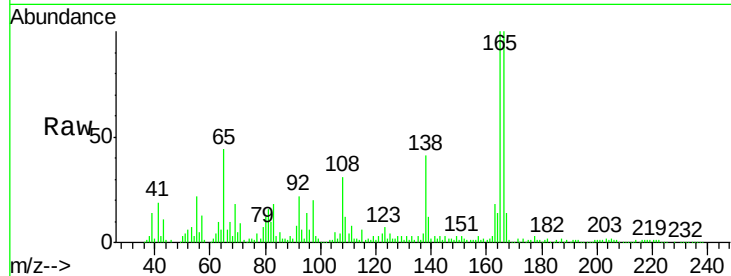
#61
4-Nitroaniline
Concen: 35.86 ng
RT: 10.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	54.4	34.2	74.2	
108	74.6	53.9	93.9	

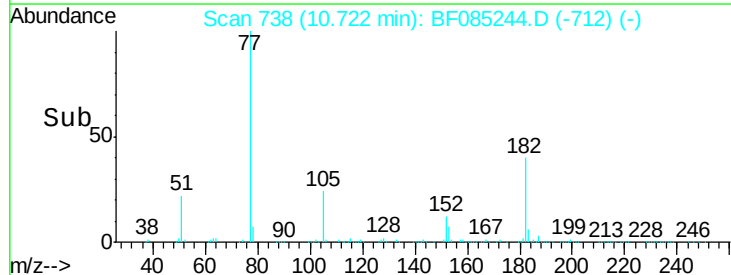
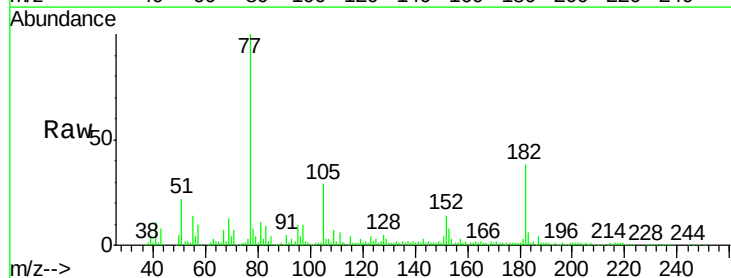
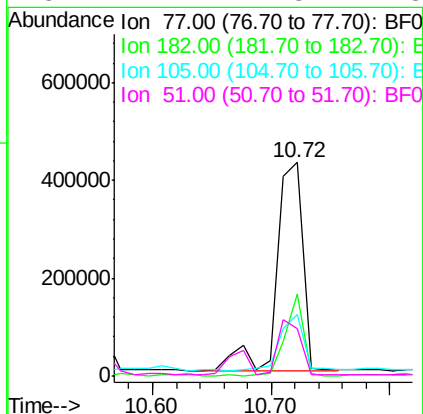
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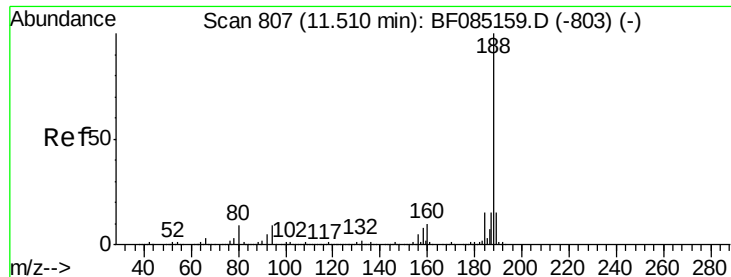
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#62
Azobenzene
Concen: 46.17 ng
RT: 10.72 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	38.3	2.1	42.1	
105	29.0	3.8	43.8	
51	22.4	7.8	47.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

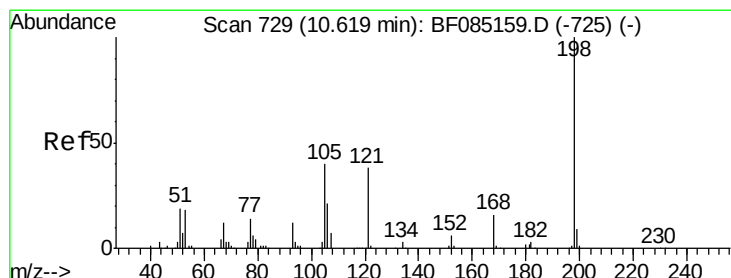
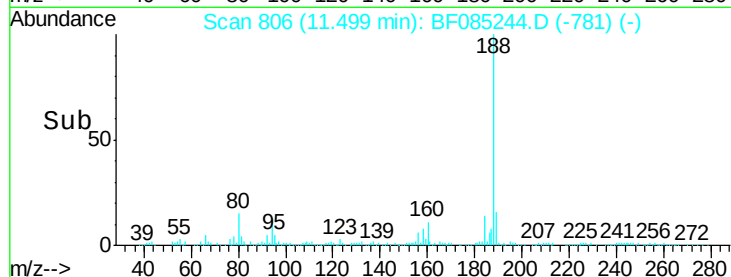
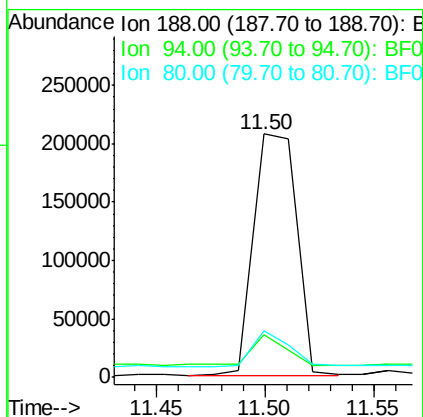
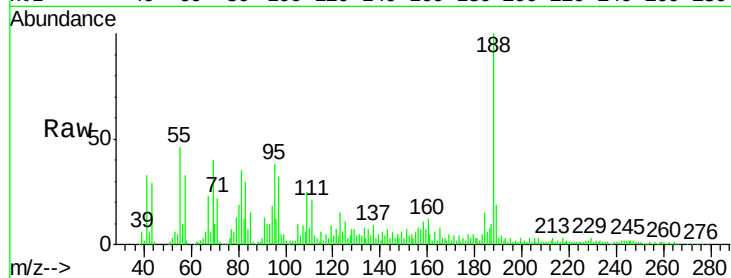
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	188	Resp:	286313
Ion Ratio		Lower	Upper
188	100		
94	17.6	7.0	10.6#
80	19.2	7.4	11.0#

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#64

4,6-Dinitro-2-methylphenol

Concen: 10.10 ng

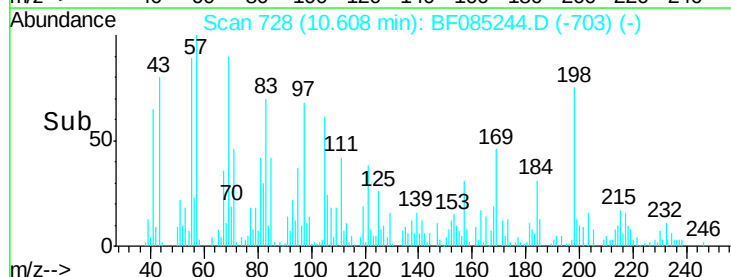
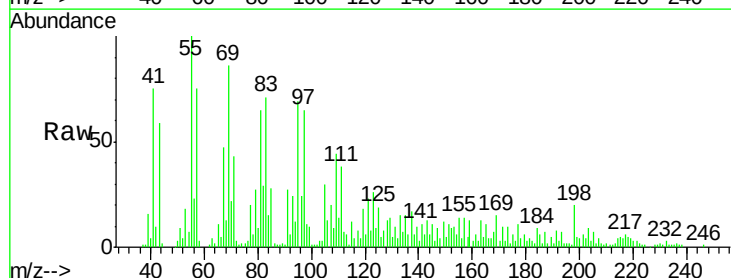
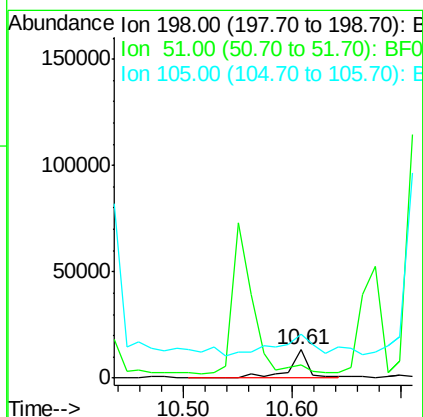
RT: 10.61 min Scan# 728

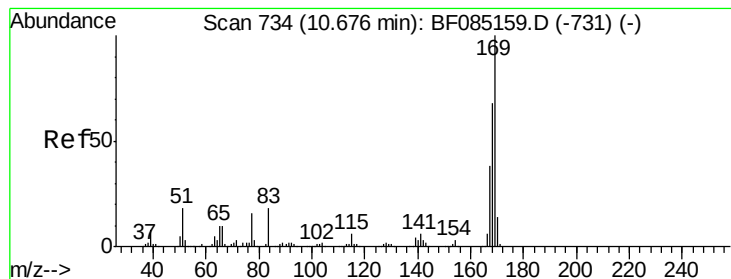
Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	198	Resp:	17309
Ion Ratio		Lower	Upper
198	100		
51	46.8	9.5	49.5
105	152.1	20.5	60.5#





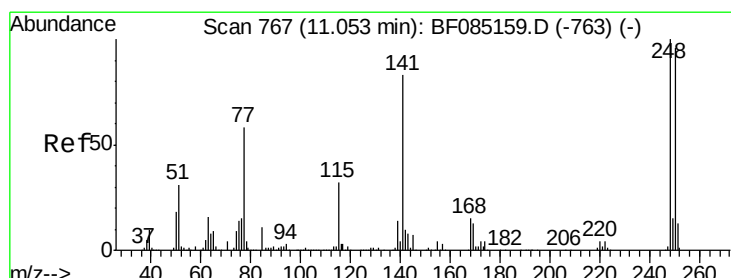
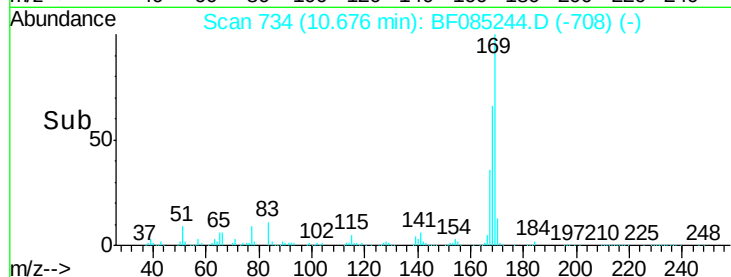
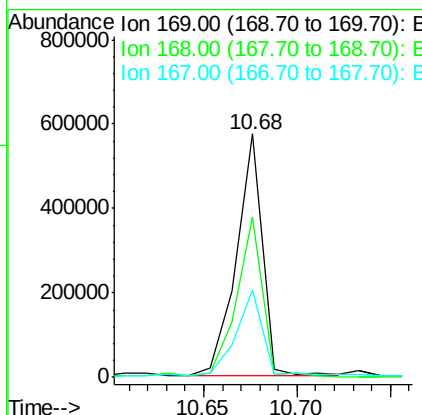
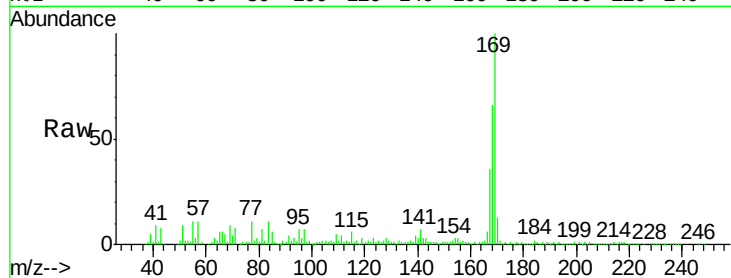
#65
n-Nitrosodiphenylamine
Concen: 63.48 ng
RT: 10.68 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		565347		
168	66.0	54.8	82.2		
167	36.1	30.3	45.5		

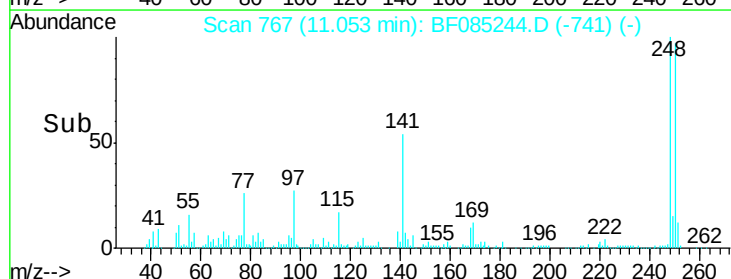
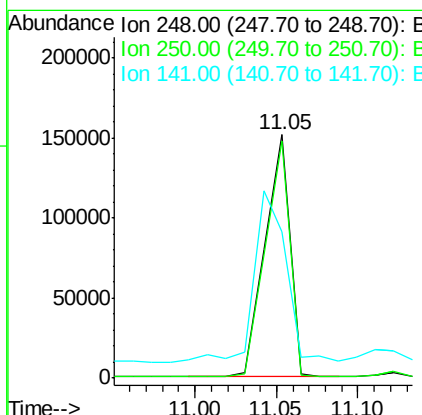
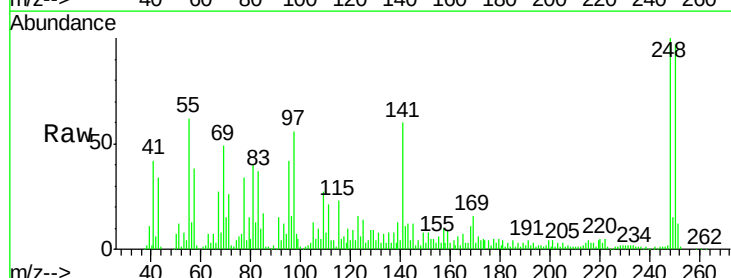
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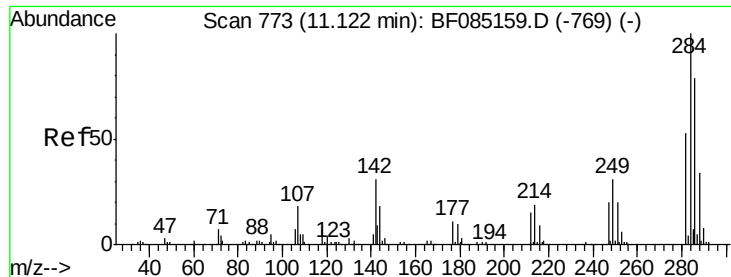
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#66
4-Bromophenyl-phenylether
Concen: 57.89 ng
RT: 11.05 min Scan# 767
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		160937		
250	97.4	77.1	115.7		
141	59.9	66.2	99.2#		





#67

Hexachlorobenzene

Concen: 57.39 ng

RT: 11.12 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF085244.D

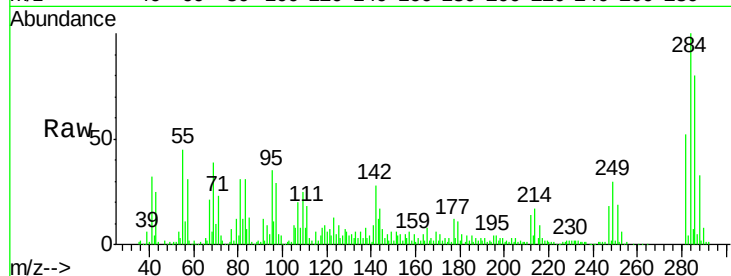
Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

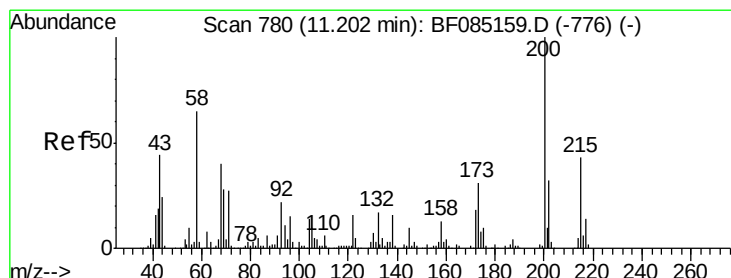
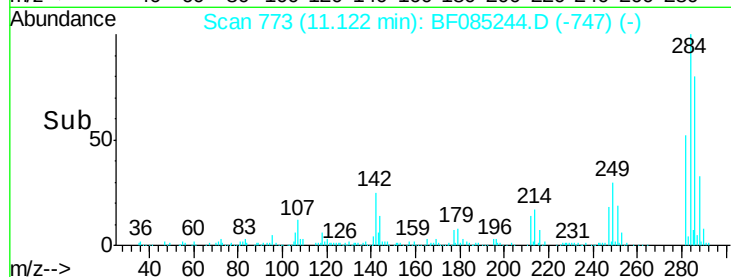
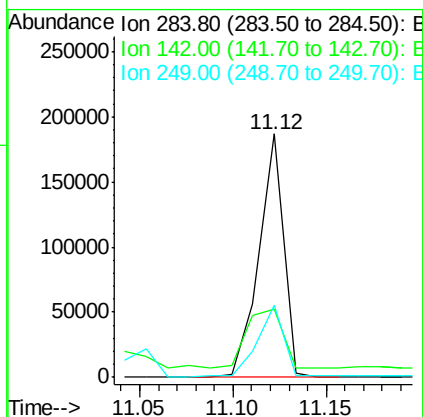
SB-43(10-12)MSD



Tot Ion:	284	Resp:	170220
Ion Ratio	Lower	Upper	
284	100		
142	28.2	24.9	37.3
249	29.7	25.0	37.4

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#68

Atrazine

Concen: 64.82 ng

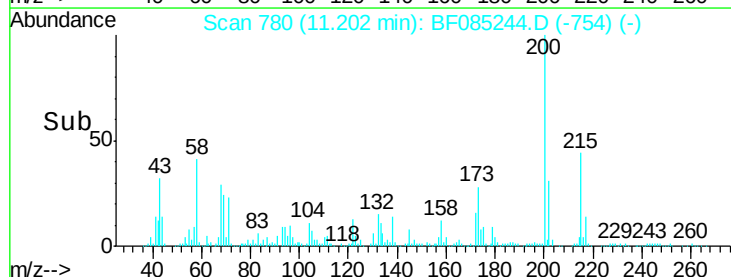
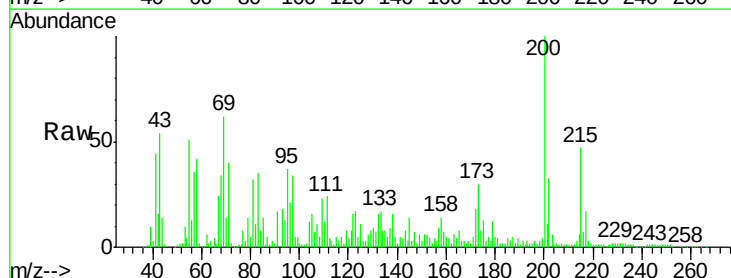
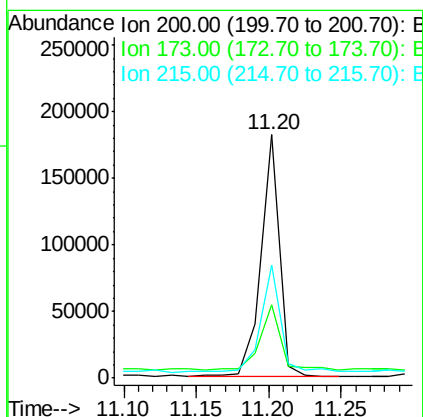
RT: 11.20 min Scan# 780

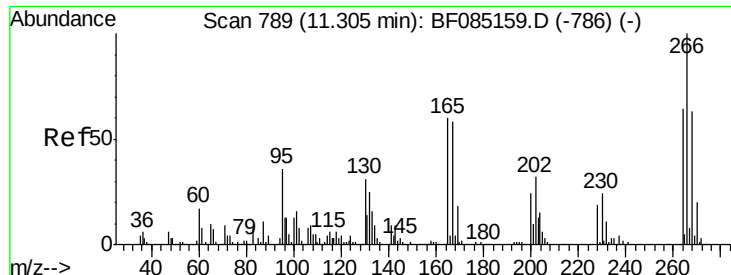
Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	200	Resp:	160528
Ion Ratio	Lower	Upper	
200	100		
173	30.3	10.5	50.5
215	46.5	23.4	63.4





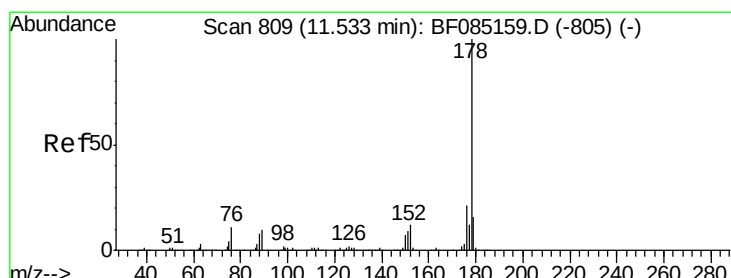
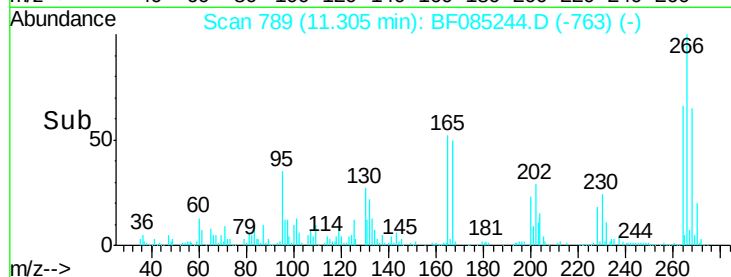
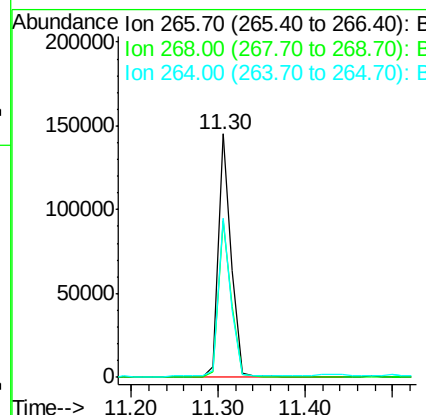
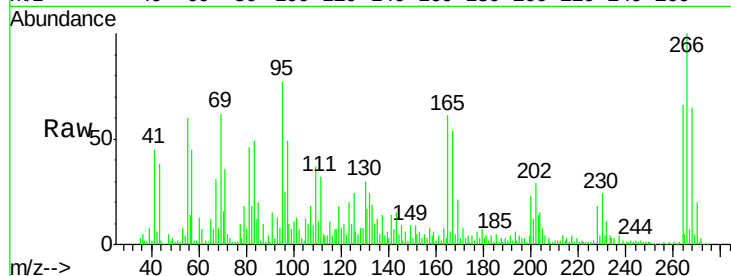
#69
 Pentachlorophenol
 Concen: 93.39 ng
 RT: 11.30 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	153752		
268	64.5	50.0	75.0	
264	65.5	51.4	77.2	

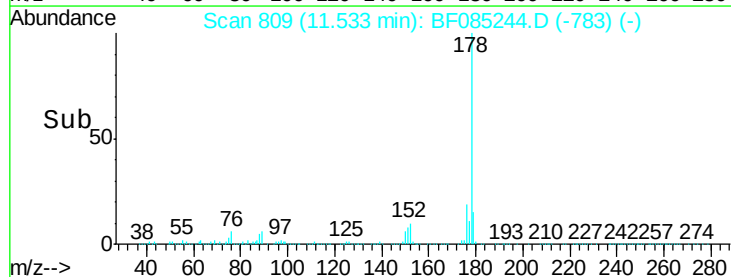
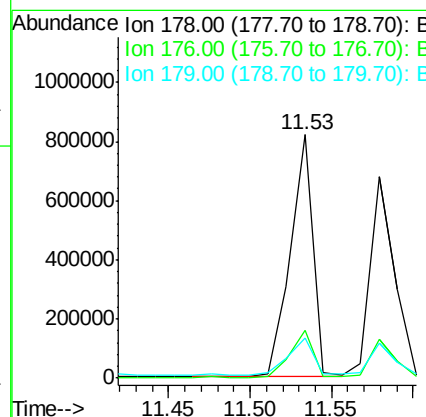
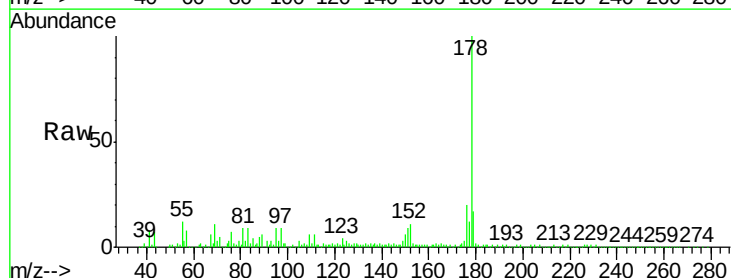
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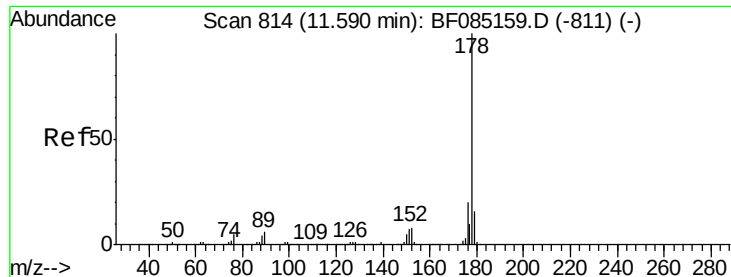
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#70
 Phenanthrene
 Concen: 52.40 ng
 RT: 11.53 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	786325		
176	19.7	16.8	25.2	
179	16.5	13.1	19.7	





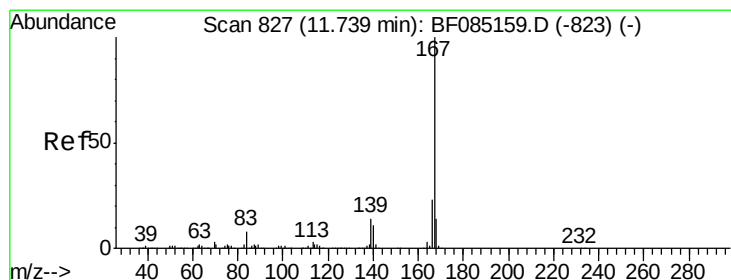
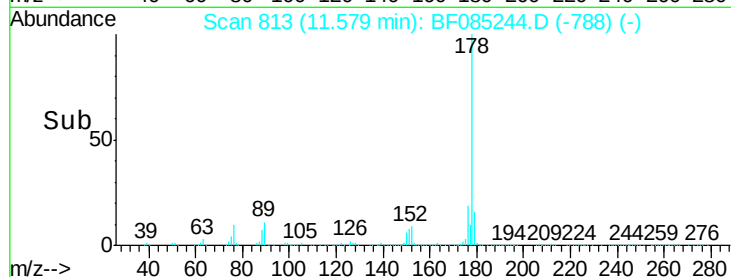
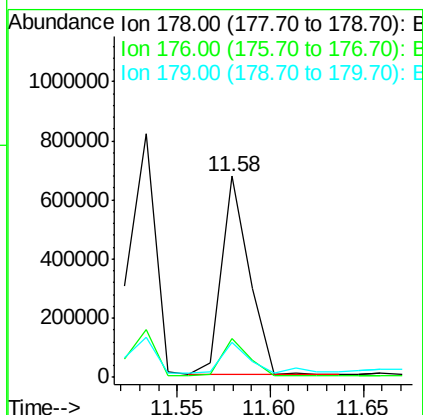
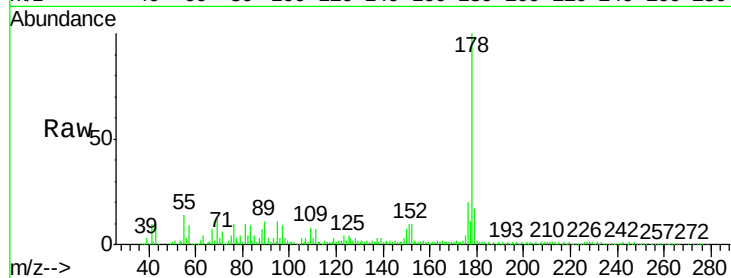
#71
 Anthracene
 Concen: 43.75 ng
 RT: 11.58 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	17.3	12.5	18.7

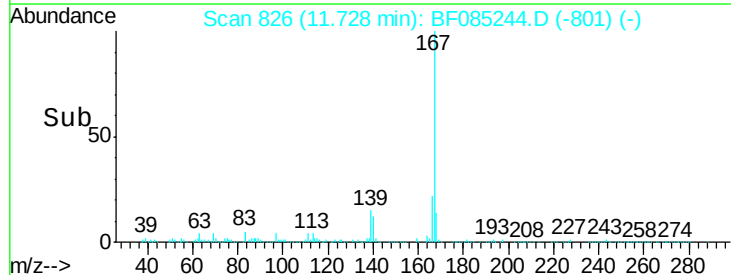
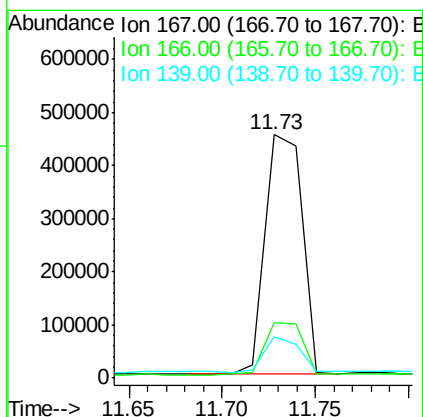
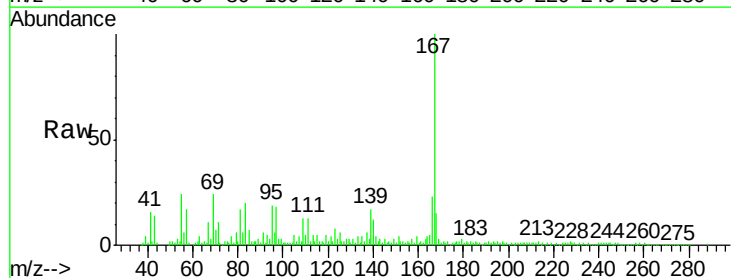
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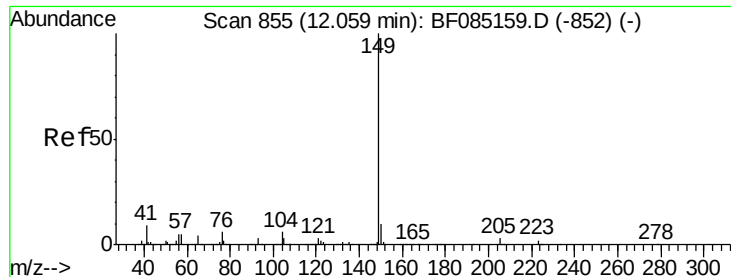
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#72
 Carbazole
 Concen: 44.48 ng
 RT: 11.73 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.2	27.2
139	17.3	11.4	17.0





#73

Di-n-butylphthalate

Concen: 44.78 ng

RT: 12.06 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

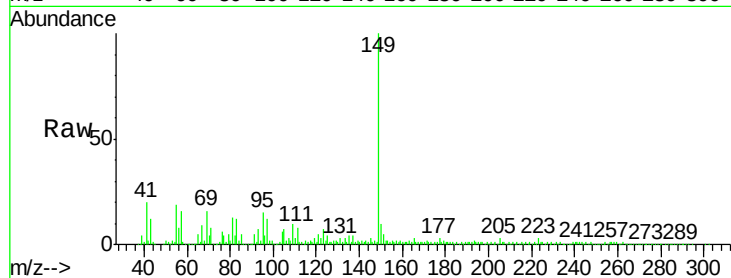
ClientSampleId :

SB-43(10-12)MSD

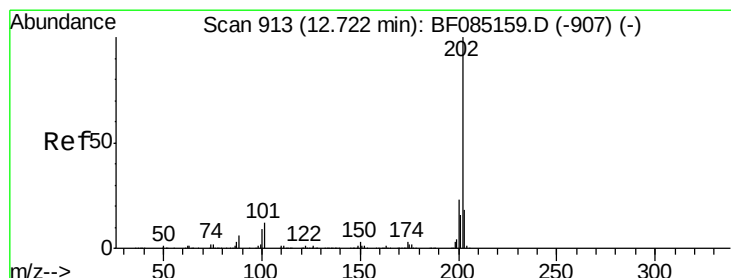
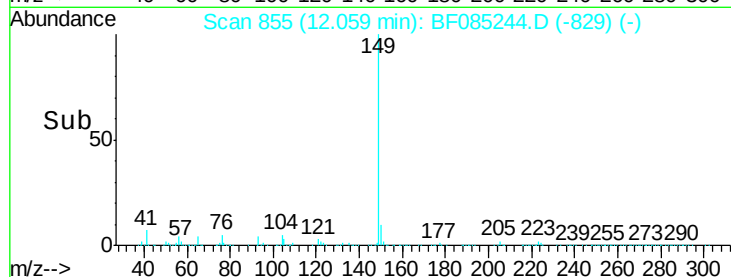
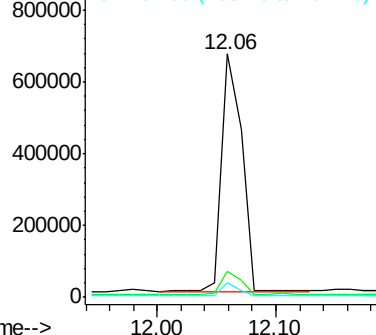
Tot Ion:	149	Resp:	790573
Ion Ratio	Lower	Upper	
149	100		
150	10.4	7.8	11.6
104	5.7	4.7	7.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.43 ng

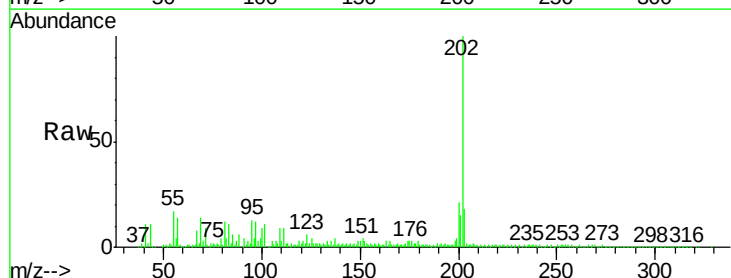
RT: 12.72 min Scan# 913

Delta R.T. 0.00 min

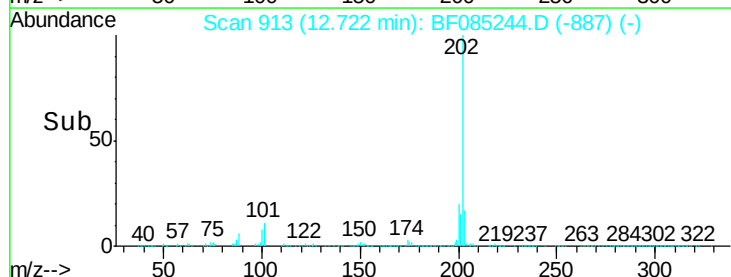
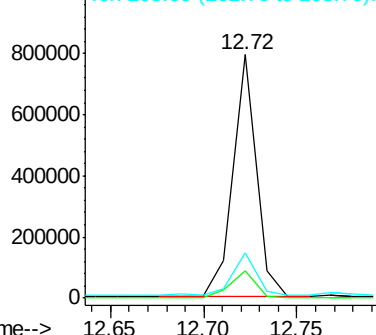
Lab File: BF085244.D

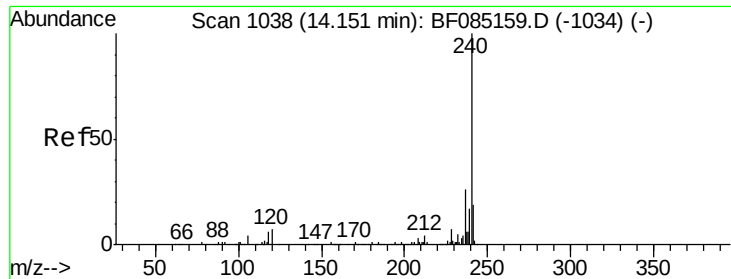
Acq: 5 Mar 2016 10:29

Tgt Ion:	202	Resp:	684098
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.8
203	18.5	0.0	38.4



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: 14.15 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

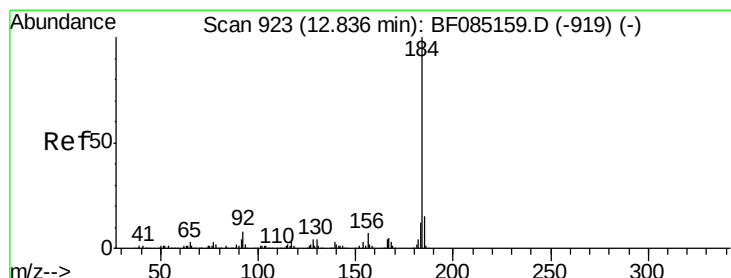
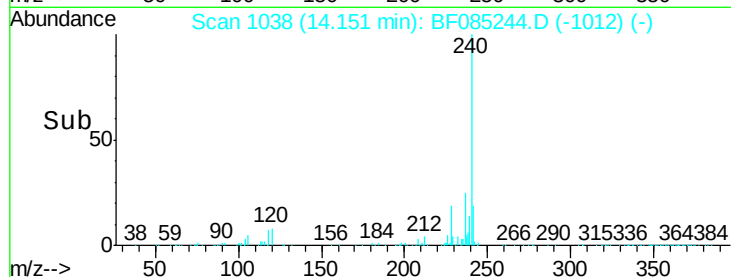
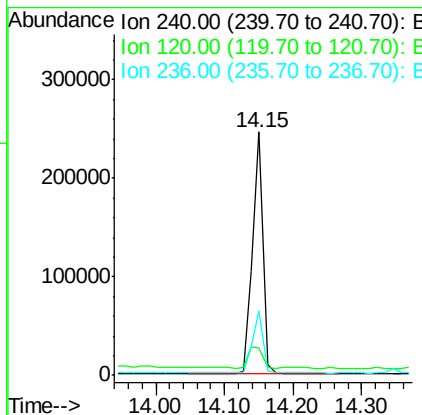
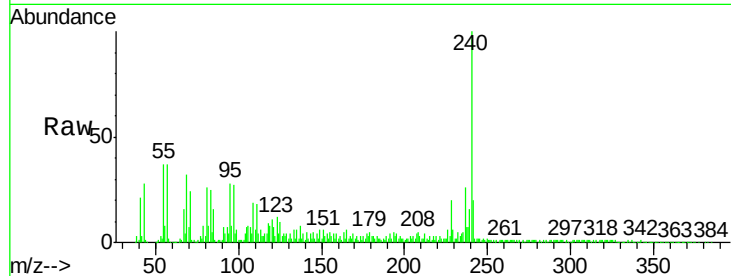
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	240	Resp:	252674
Ion Ratio	Lower	Upper	
240	100		
120	11.3	5.3	7.9#
236	26.4	20.7	31.1

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#76

Benzidine

Concen: 31.96 ng

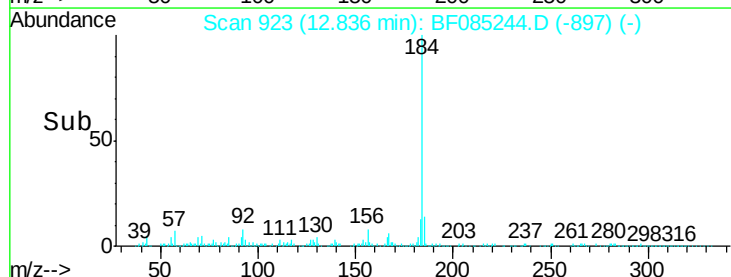
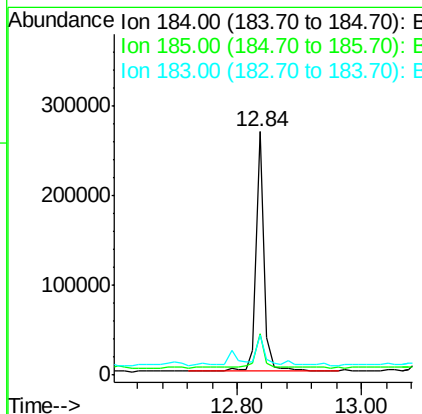
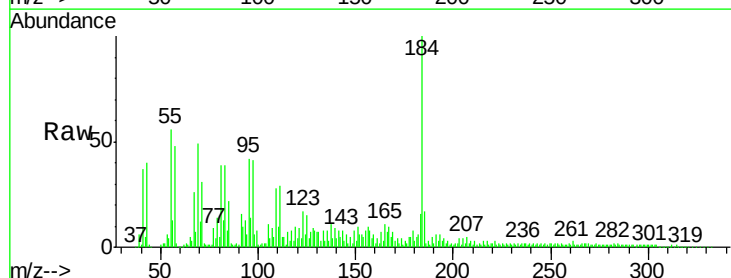
RT: 12.84 min Scan# 923

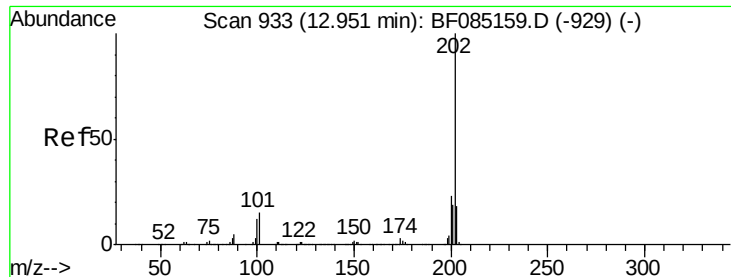
Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	184	Resp:	240329
Ion Ratio	Lower	Upper	
184	100		
185	17.2	12.4	18.6
183	16.3	9.4	14.2#





#77

Pvrene

Concen: 36.27 ng

RT: 12.95 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

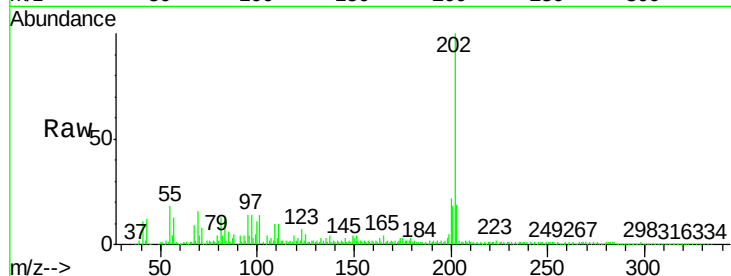
ClientSampleId :

SB-43(10-12)MSD

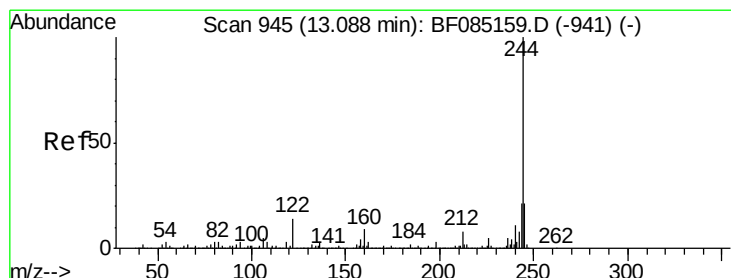
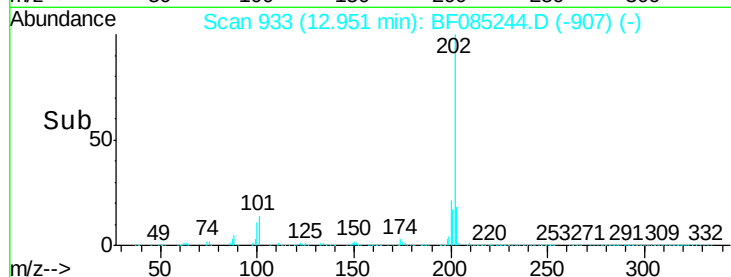
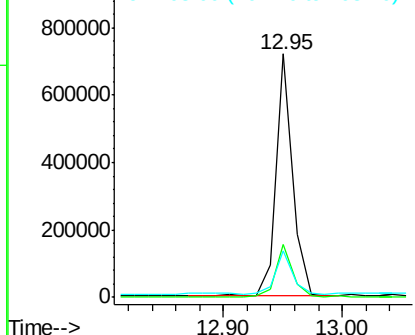
Tot Ion	Ratio	Resp	Lower	Upper
202	100	689764		
200	21.5	18.2	27.4	
203	19.0	14.7	22.1	

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



#78

Terphenyl-d14

Concen: 92.74 ng

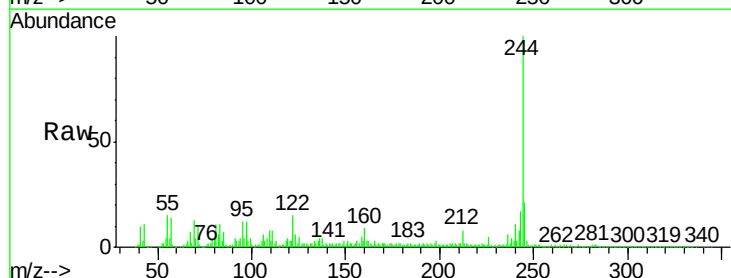
RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

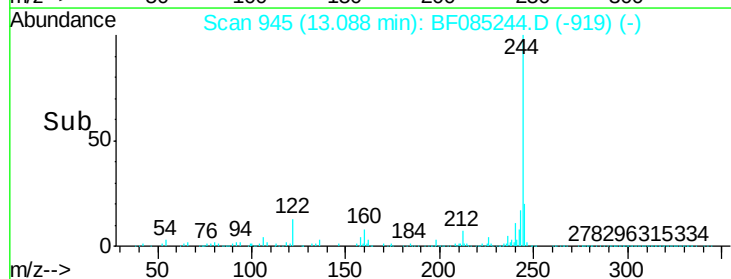
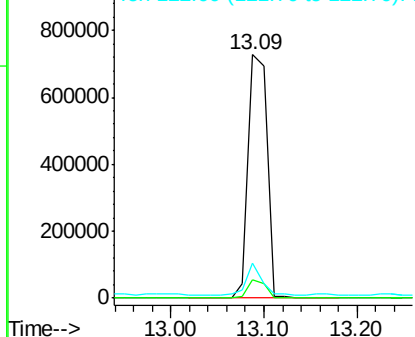
Lab File: BF085244.D

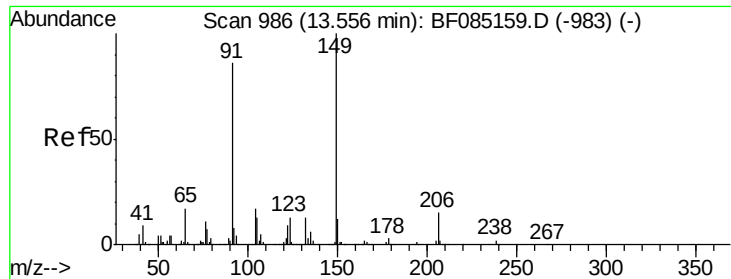
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1009418		
212	7.7	6.4	9.6	
122	14.5	11.4	17.2	



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





#79

Butylbenzylphthalate

Concen: 39.43 ng

RT: 13.56 min Scan# 986

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

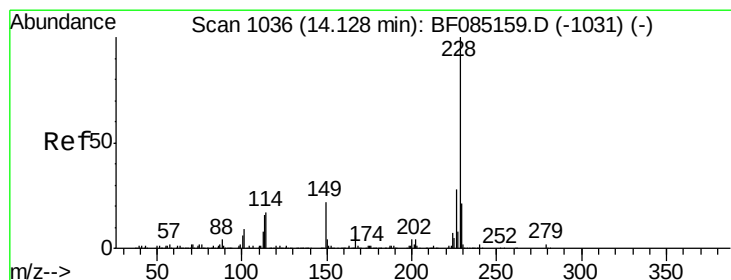
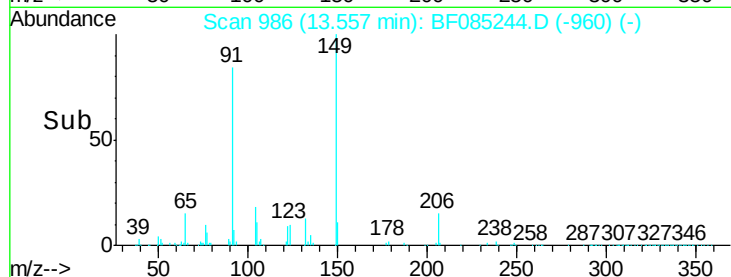
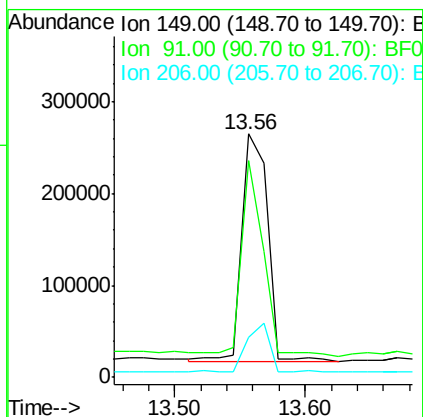
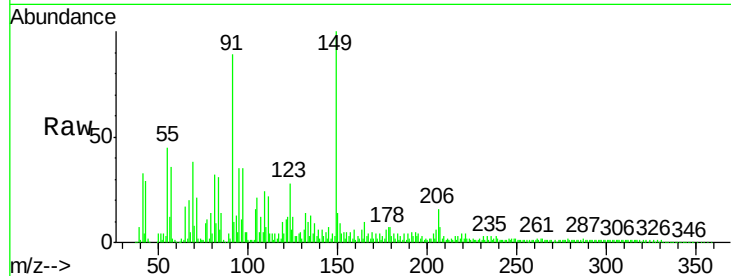
ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	149	Resp:	340250
Ion Ratio	Lower	Upper	
149	100		
91	89.0	69.0	103.4
206	16.4	12.3	18.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 45.96 ng

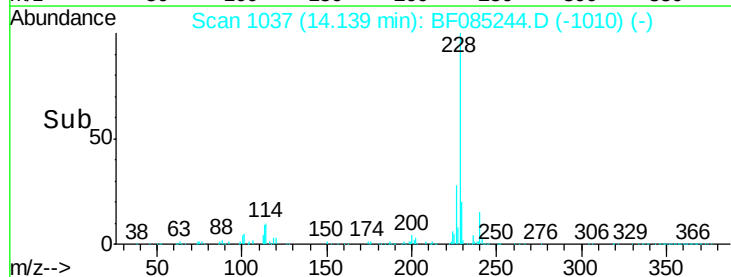
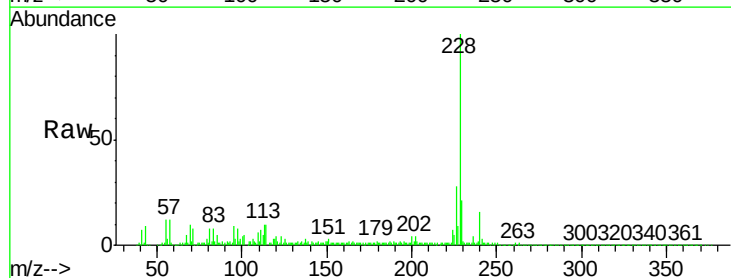
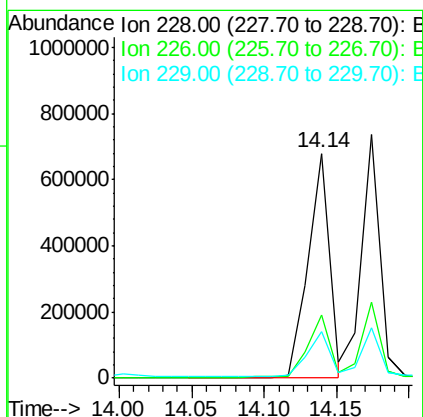
RT: 14.14 min Scan# 1037

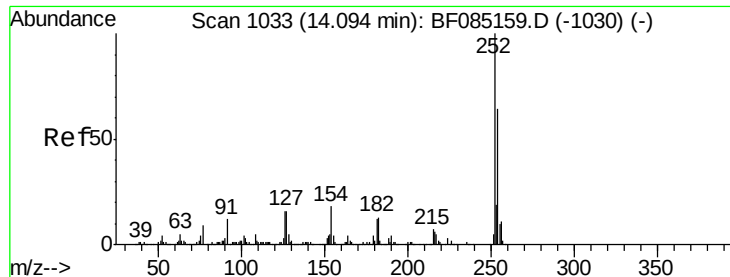
Delta R.T. 0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:	228	Resp:	695173
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.8	34.2
229	20.7	16.6	24.8





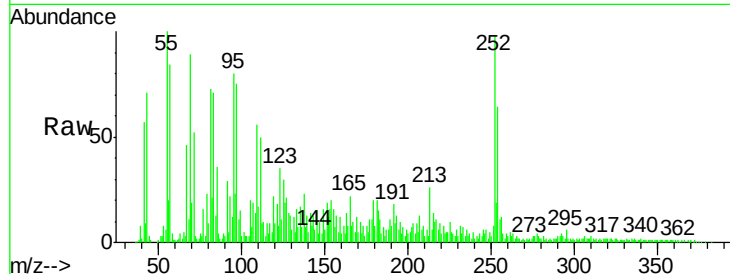
#81
 3,3'-Dichlorobenzidine
 Concen: 15.48 ng
 RT: 14.09 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.4	77.0
126	19.0	12.9	19.3

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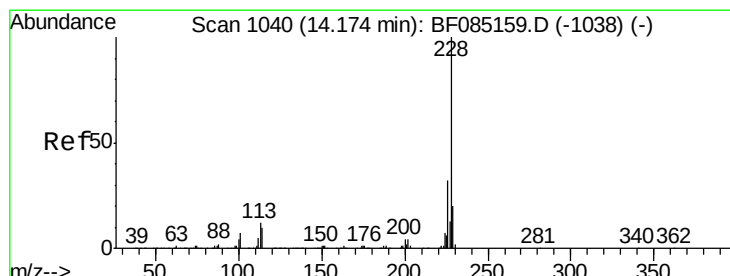
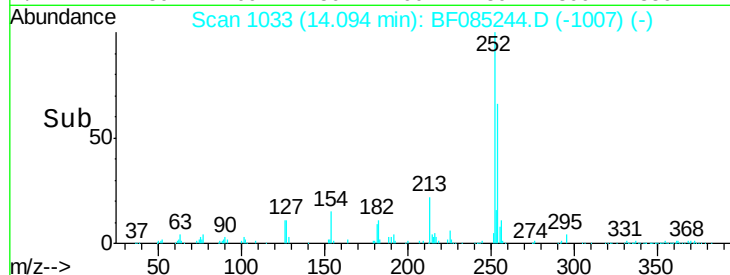
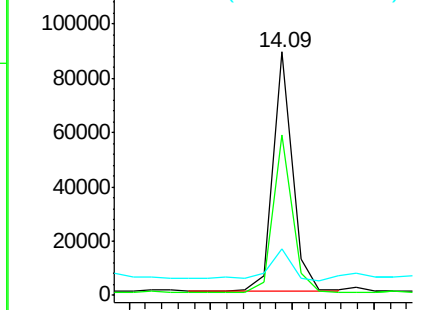


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 46.52 ng
 RT: 14.17 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

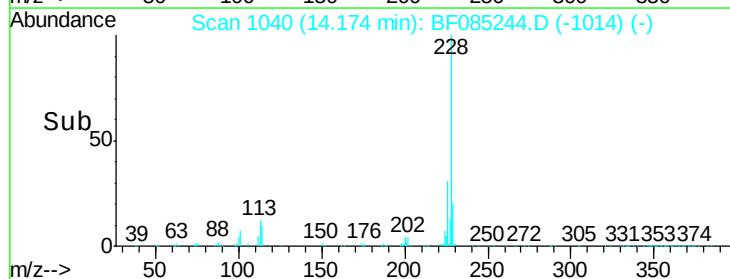
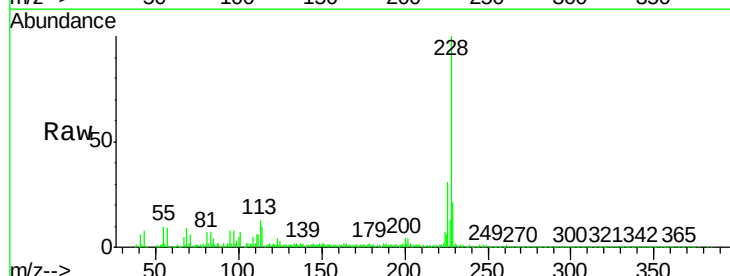
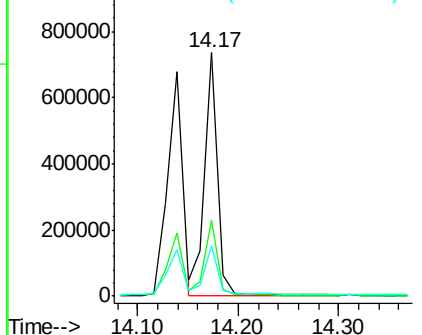
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.2	37.8
229	20.8	16.0	24.0

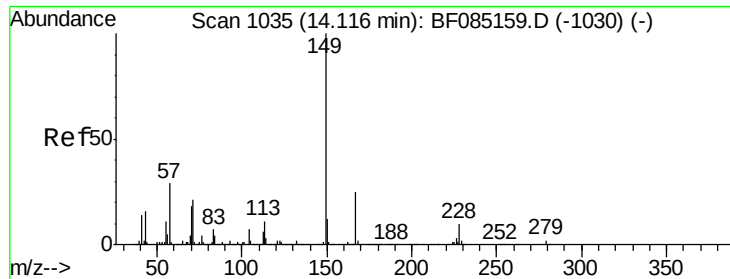
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





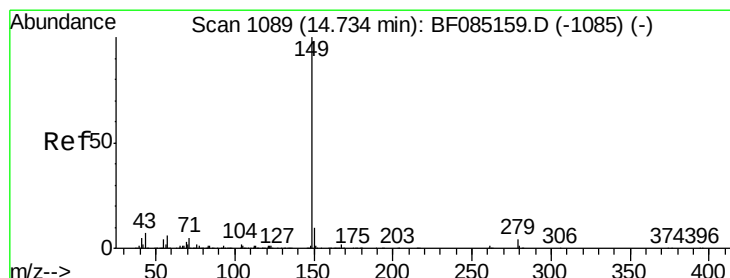
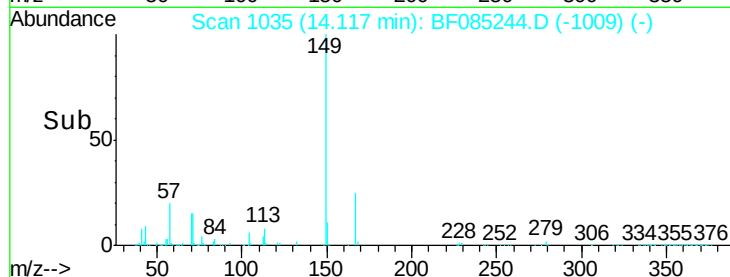
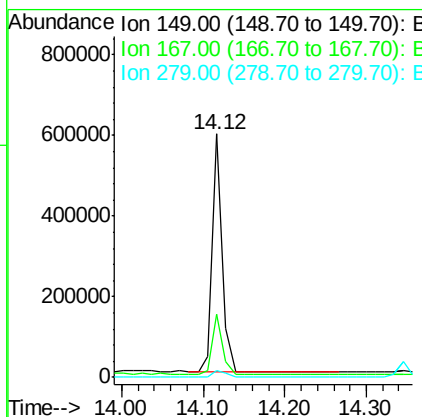
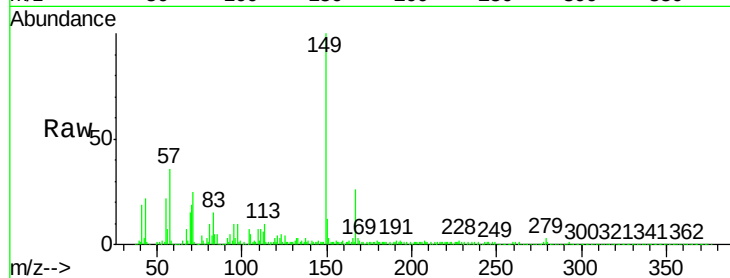
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.84 ng
 RT: 14.12 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.3	30.5
279	2.9	1.9	2.9

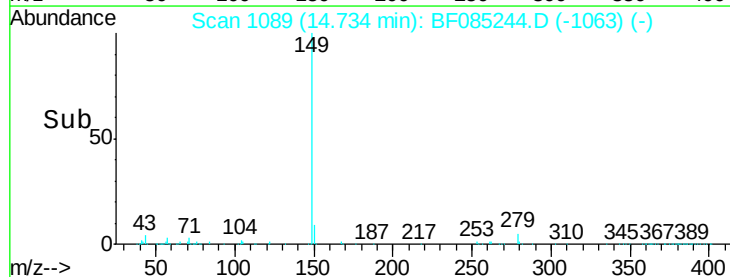
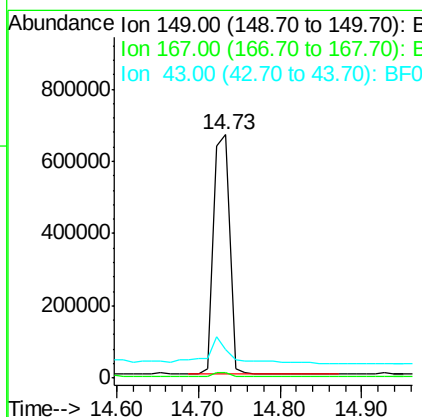
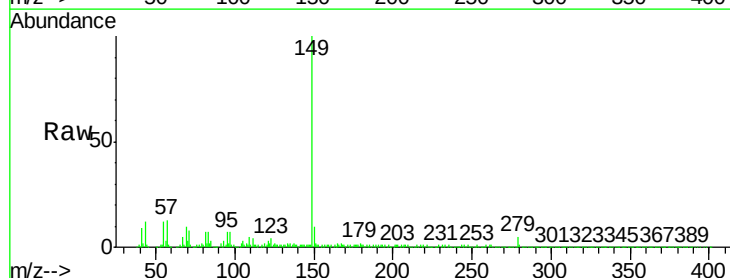
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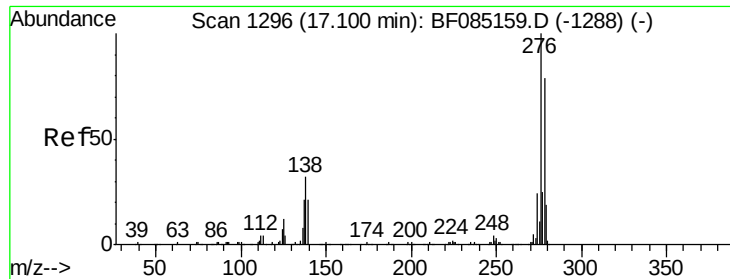
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#84
 Di-n-octyl phthalate
 Concen: 53.51 ng
 RT: 14.73 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	14.9	7.8	11.8#





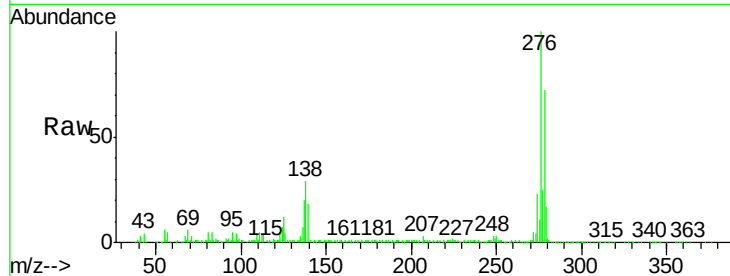
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.11 ng
RT: 17.10 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	26.4	39.6
277	25.3	20.2	30.2

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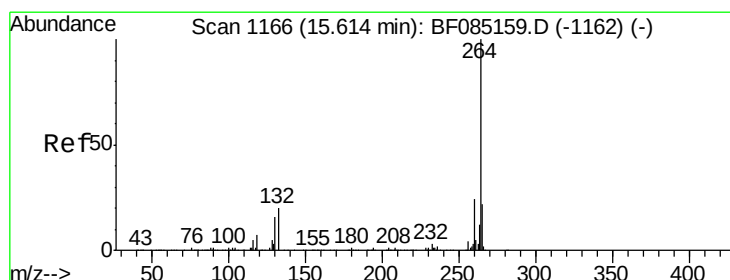
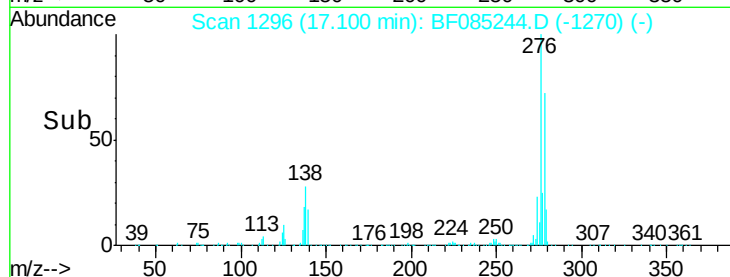
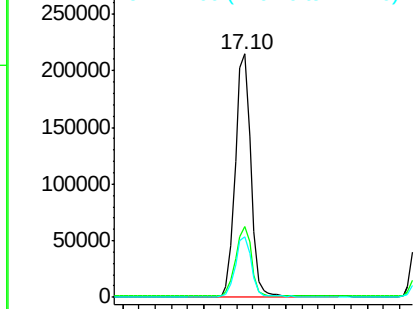


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

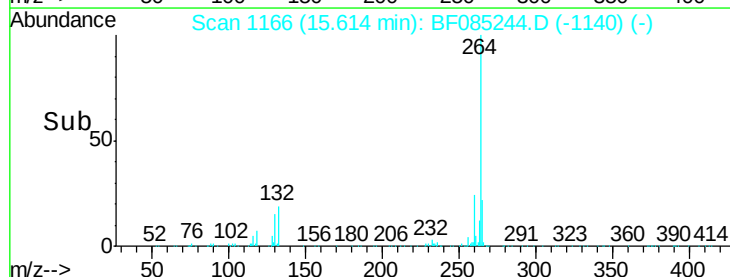
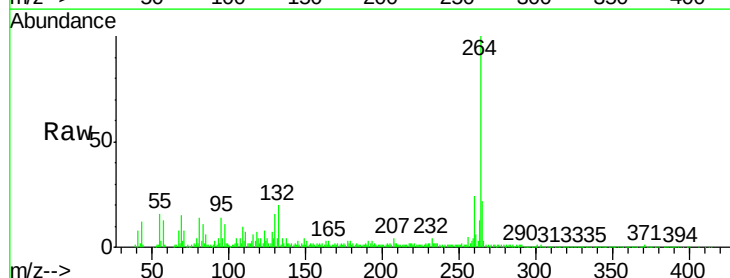
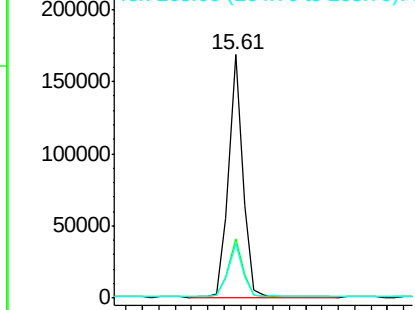
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.3	25.9

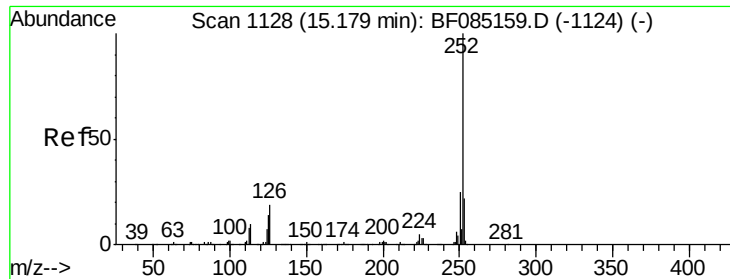
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





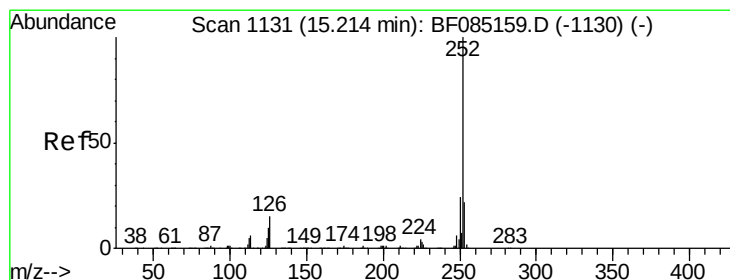
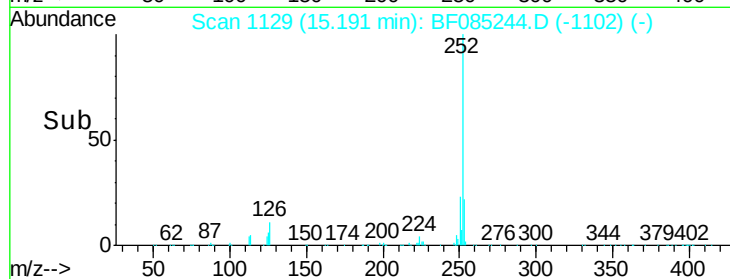
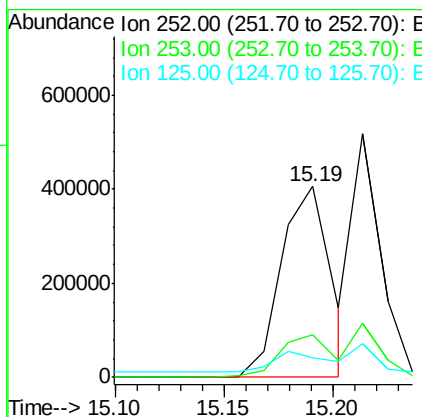
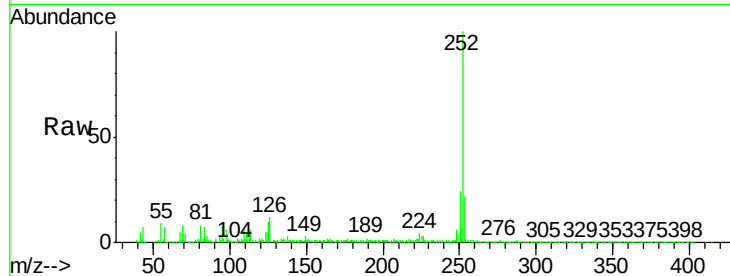
#87
Benzo(b)fluoranthene
Concen: 46.92 ng
RT: 15.19 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.4	11.3	16.9

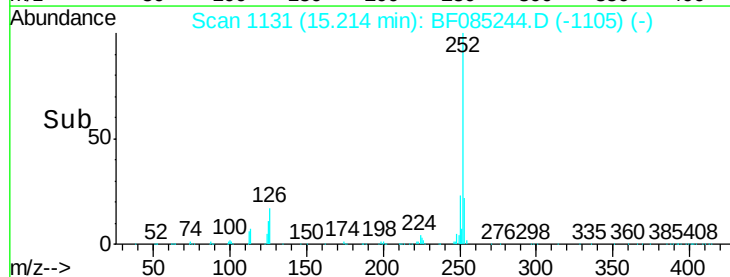
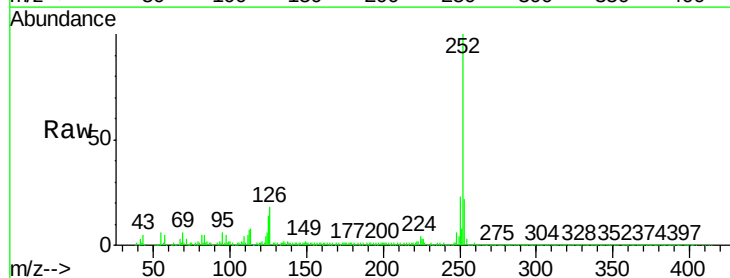
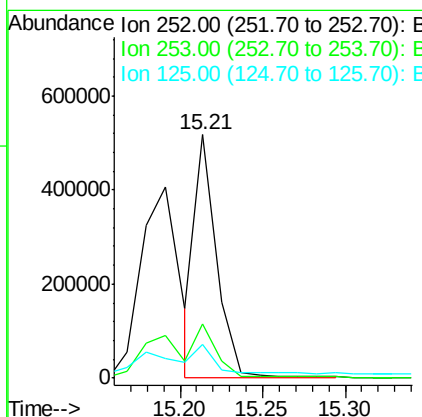
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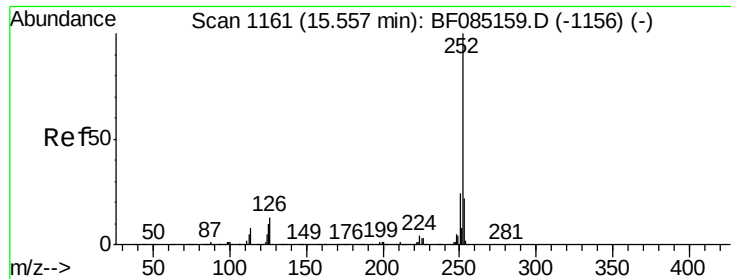
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#88
Benzo(k)fluoranthene
Concen: 44.47 ng m
RT: 15.21 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.8	26.6
125	13.9	10.4	15.6





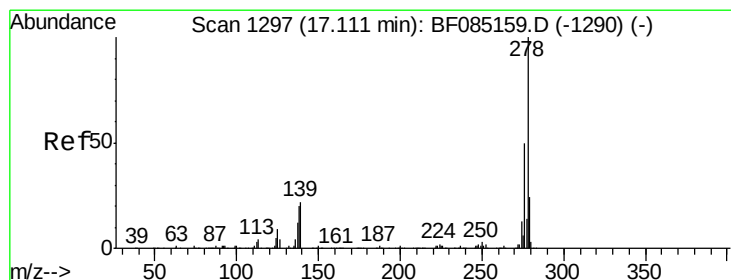
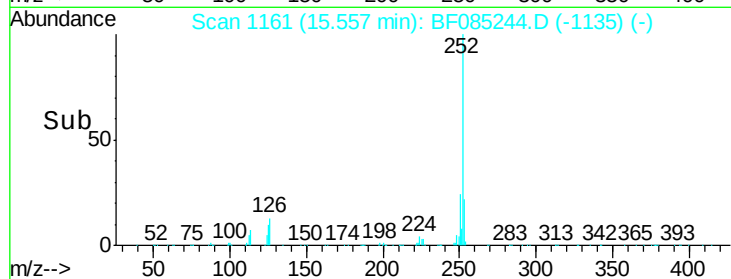
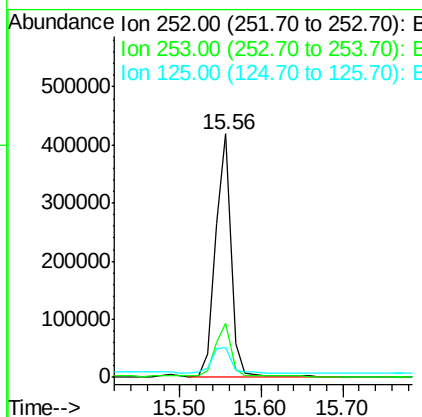
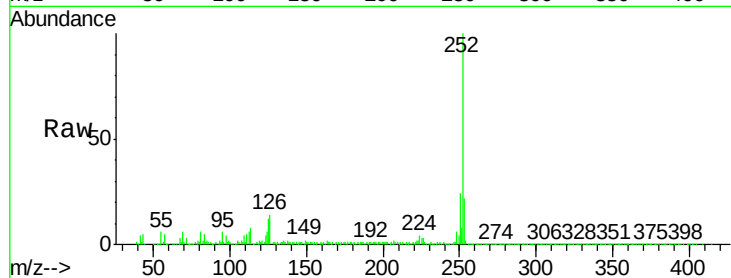
#89
Benzo(a)pyrene
Concen: 48.36 ng
RT: 15.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	12.2	8.2	12.4

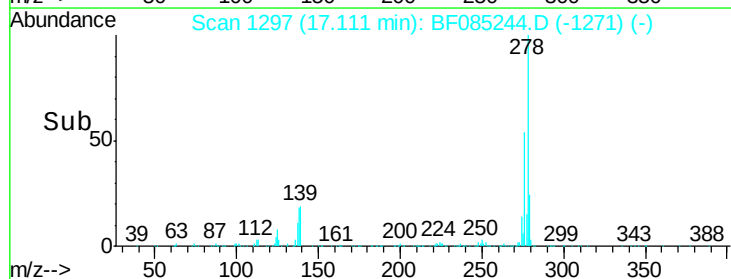
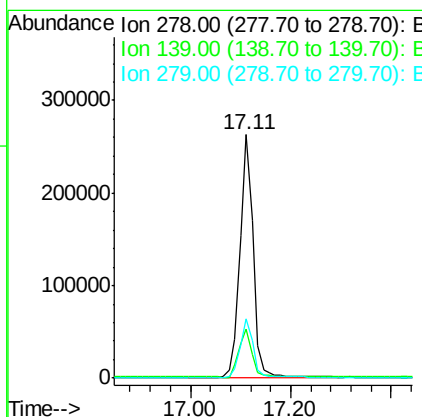
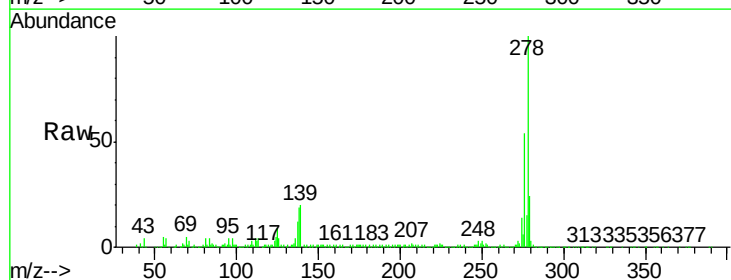
Manual Integrations
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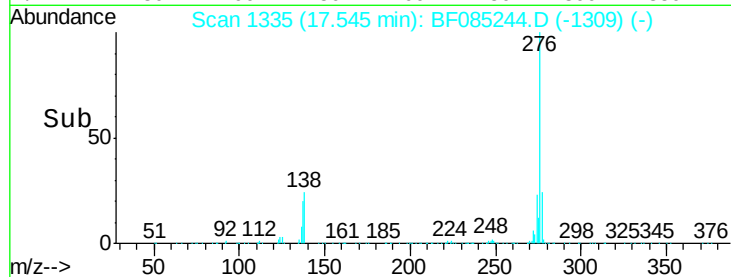
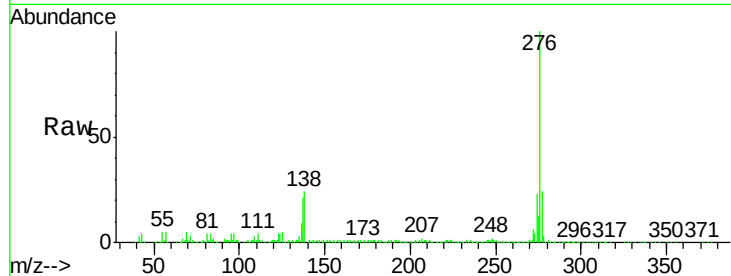
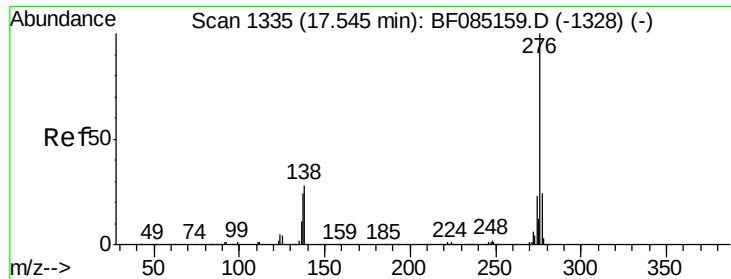
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#90
Dibenzo(a,h)anthracene
Concen: 50.25 ng
RT: 17.11 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	17.3	25.9
279	24.3	19.2	28.8





#91

Benzo(a,h,i)perylene

Concen: 46.90 ng

RT: 17.55 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

Tot Ion:	276	Resp:	453253
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.0	28.4
138	24.1	22.5	33.7

Manual Integrations
APPROVED

UMANGI
3/7/2016 9:35:35 AM

