

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101717.D
 Acq On : 26 Dec 2017 16:00
 Operator : SJ/JU
 Sample : I6845-03DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01DL

Quant Time: Dec 26 16:35:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	141981	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	544200	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	230635	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	366653	20.00	ng	0.00
75) Chrysene-d12	13.97	240	294457	20.00	ng	0.00
86) Perylene-d12	15.43	264	282166	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	125181	13.13	ng	0.02
7) Phenol-d6	6.43	99	142789	12.04	ng	0.00
23) Nitrobenzene-d5	7.36	82	112072	11.46	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	28987	13.04	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	219398	14.76	ng	0.00
78) Terphenyl-d14	12.89	244	171450	14.04	ng	0.00

Target Compounds

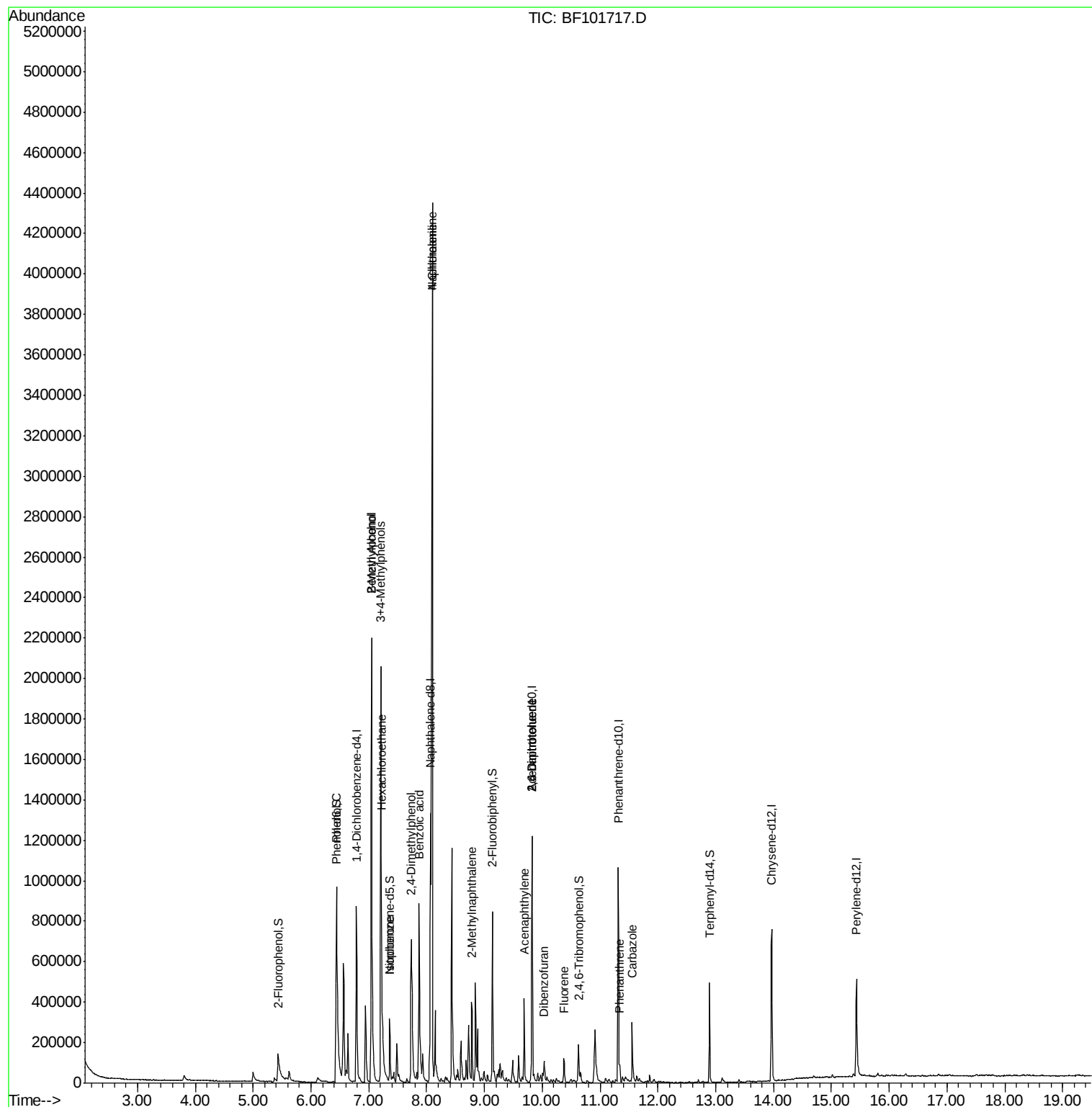
						Qvalue
10) Phenol	6.45	94	531309	39.297	ng	98
15) Benzyl Alcohol	7.05	79	111688	13.679	ng	# 1
17) 2-Methylphenol	7.05	107	264027	28.627	ng	99
18) Hexachloroethane	7.22	117	27529	6.852	ng	# 2
20) 3+4-Methylphenols	7.21	107	688314	70.426	ng	85
25) Isophorone	7.36	82	112072	5.715	ng	# 64
27) 2,4-Dimethylphenol	7.73	122	232282	29.414	ng	99
31) Naphthalene	8.10	128	2270526	82.875	ng	99
32) Benzoic acid	7.87	122	227326	43.598	ng	# 14
33) 4-Chloroaniline	8.10	127	313053	26.290	ng	# 36
37) 2-Methylnaphthalene	8.78	142	110070	6.166	ng	99
48) Acenaphthylene	9.69	152	154019	6.231	ng	99
50) 2,6-Dinitrotoluene	9.82	165	28705	7.613	ng	# 27
54) Dibenzofuran	10.03	168	42406	2.247	ng	98
56) 2,4-Dinitrotoluene	9.82	165	28705	6.757	ng	# 25
57) Fluorene	10.37	166	38083	2.385	ng	99
70) Phenanthrene	11.34	178	40865	2.004	ng	98
72) Carbazole	11.56	167	111135	5.699	ng	98

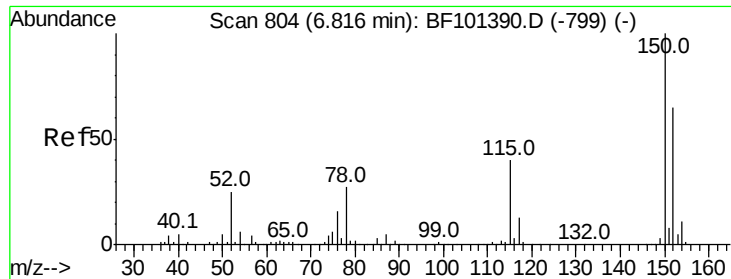
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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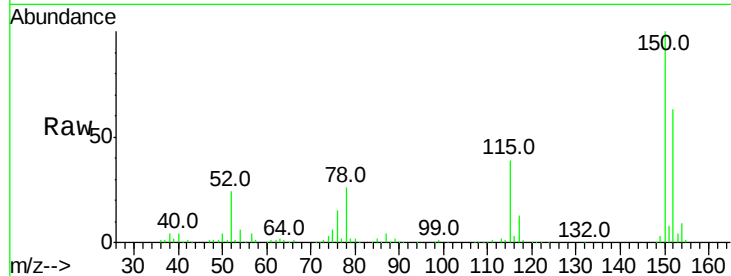


#1

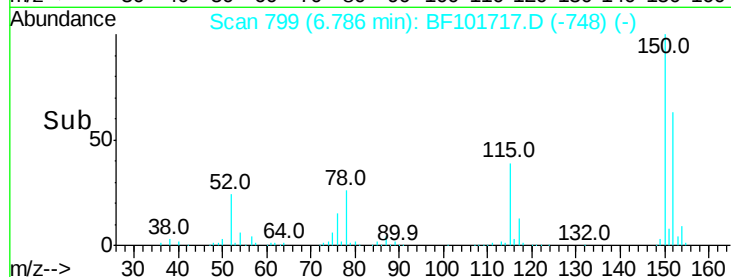
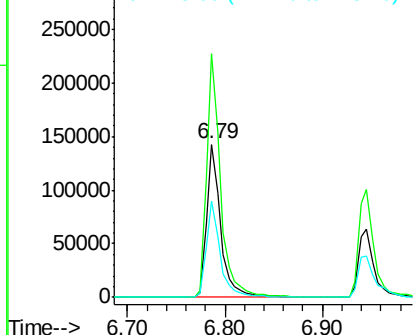
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Instrument :
BNA_F
ClientSampleId :
WC-10257-01DL

Tot Ion:152 Resp: 141981
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 62.8 50.1 75.1



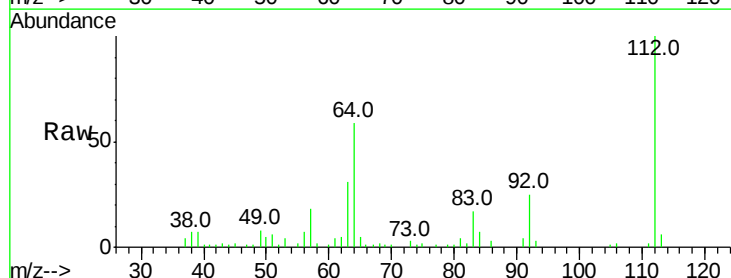
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



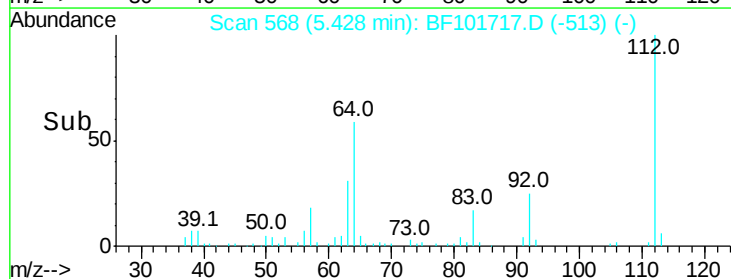
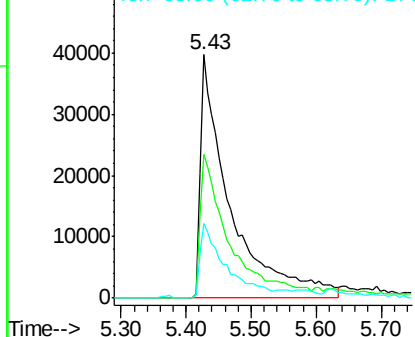
#5

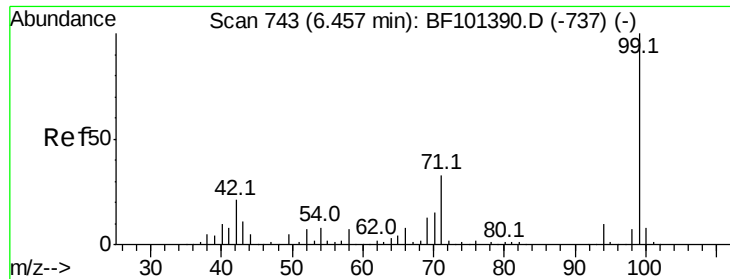
2-Fluorophenol
Concen: 13.133 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Tgt Ion:112 Resp: 125181
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 12.037 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

Instrument :

BNA_F

ClientSampleId :

WC-10257-01DL

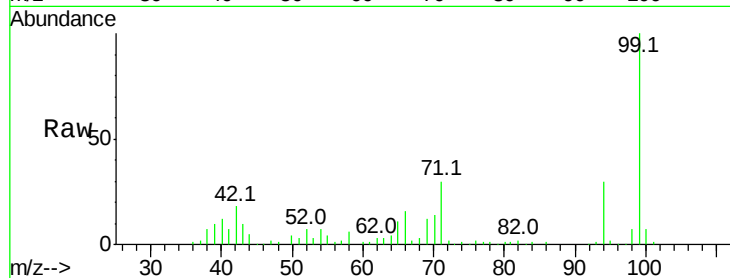
Tot Ion: 99 Resp: 142789

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	30.2	25.4	38.0

99 100

42 18.3 14.5 21.7

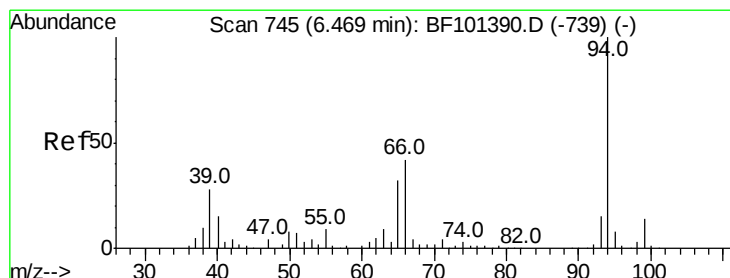
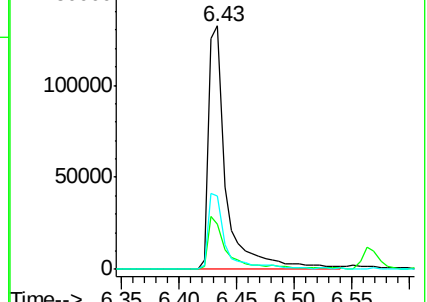
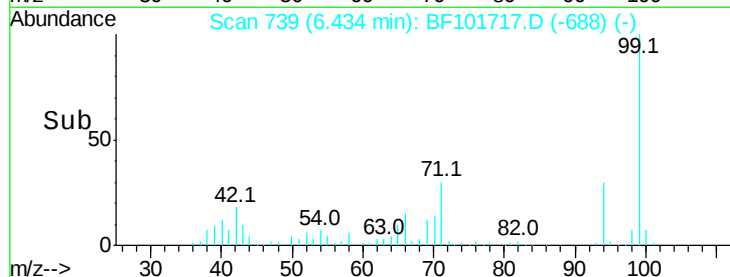
71 30.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 39.297 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

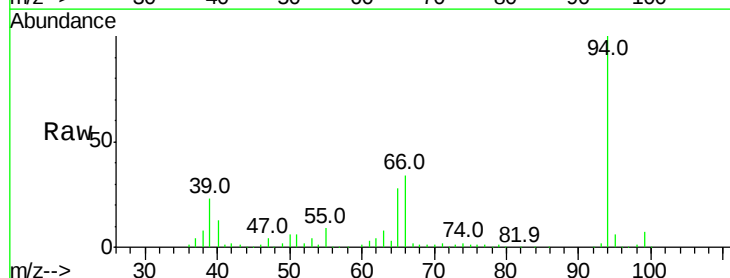
Tgt Ion: 94 Resp: 531309

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.9	47.9
66	34.2	16.2	56.2

94 100

65 27.6 7.9 47.9

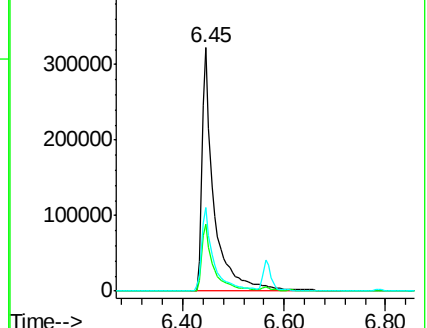
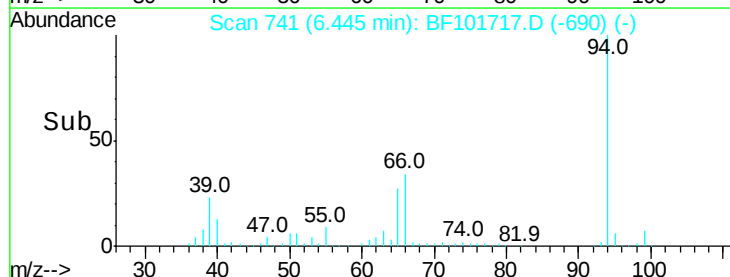
66 34.2 16.2 56.2

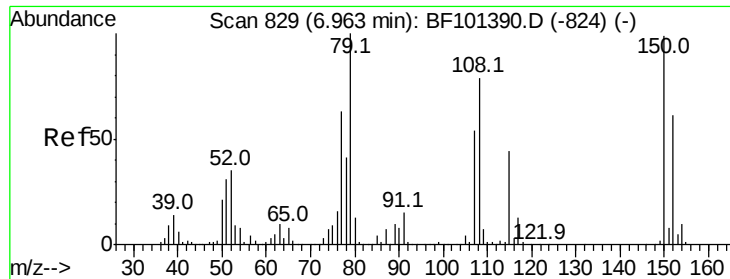


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

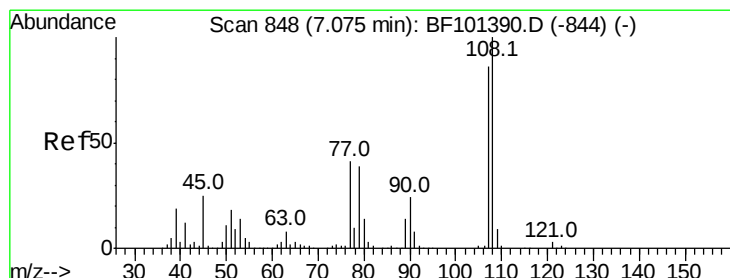
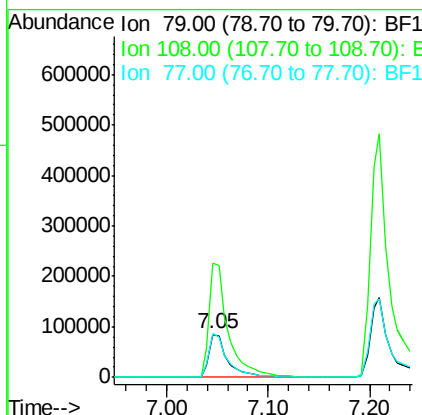
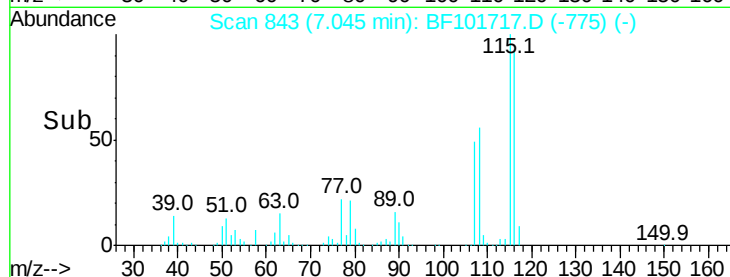
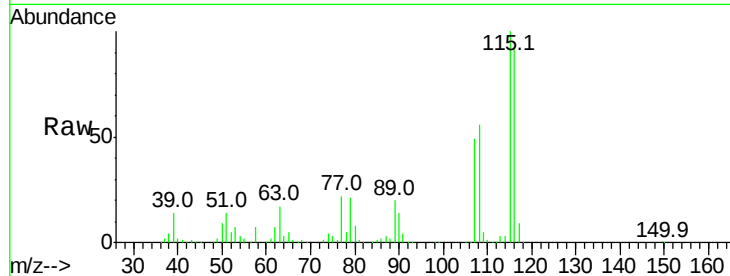




#15
Benzyl Alcohol
Concen: 13.679 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.10 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

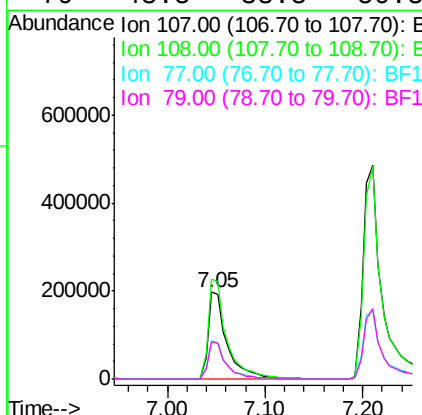
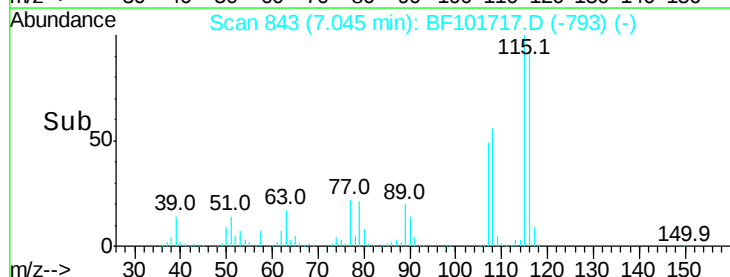
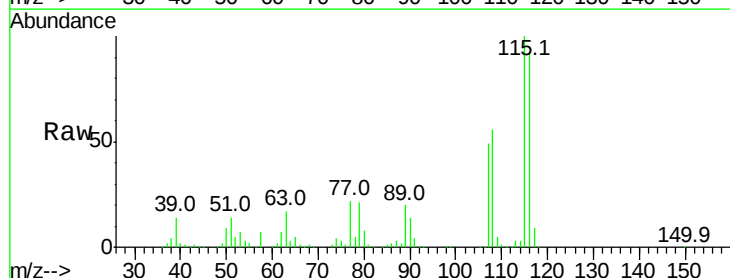
Instrument :
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WC-10257-01DL

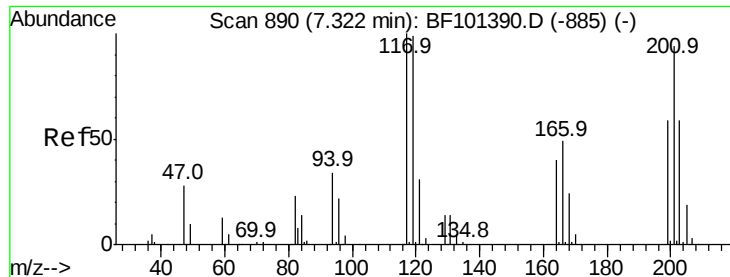
Tot Ion: 79 Resp: 111688
Ion Ratio Lower Upper
79 100
108 263.6 65.1 97.7#
77 102.1 50.6 75.8#



#17
2-Methylphenol
Concen: 28.627 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Tgt Ion: 107 Resp: 264027
Ion Ratio Lower Upper
107 100
108 114.6 91.7 137.5
77 44.4 33.8 50.8
79 43.5 33.8 50.8

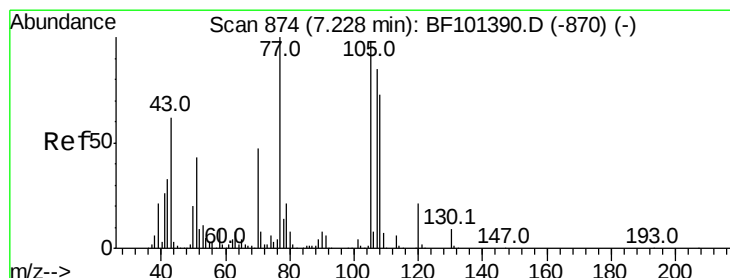
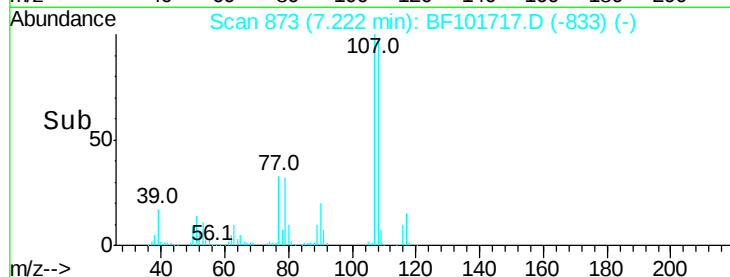
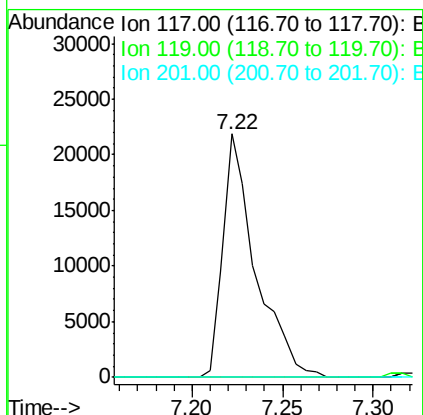
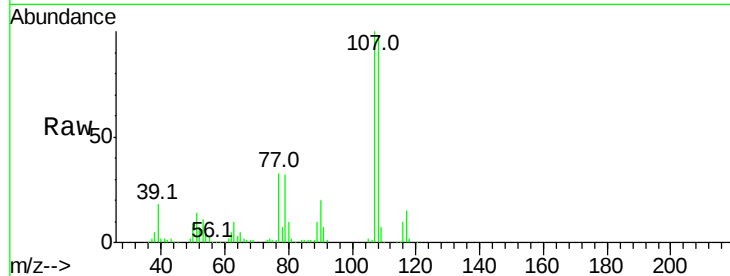




#18
Hexachloroethane
Concen: 6.852 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.06 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

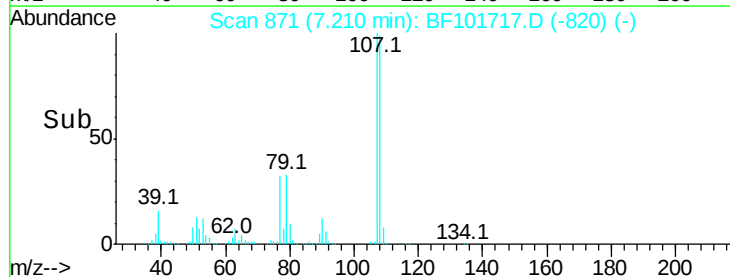
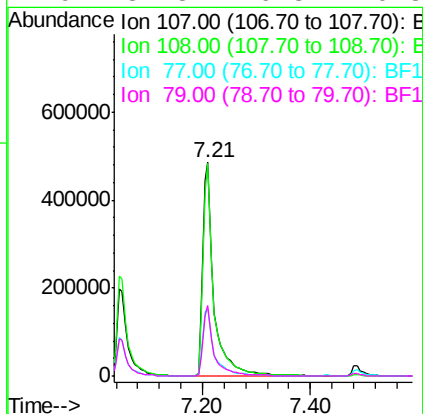
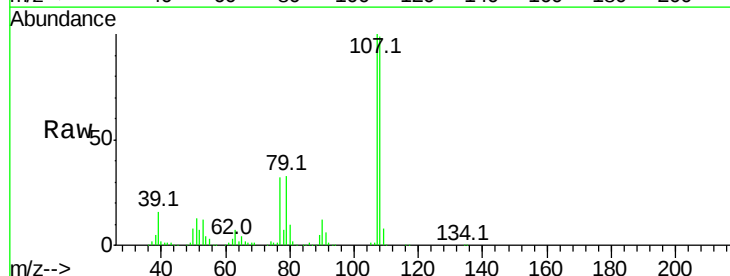
Instrument :
BNA_F
ClientSampleId :
WC-10257-01DL

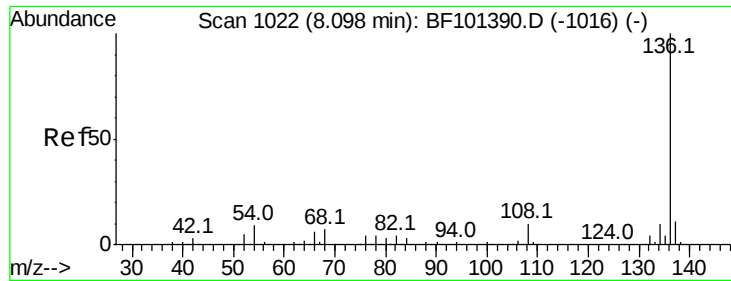
Tot Ion:117 Resp: 27529
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 75.7 113.5#



#20
3+4-Methylphenols
Concen: 70.426 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Tgt Ion:107 Resp: 688314
Ion Ratio Lower Upper
107 100
108 99.4 68.2 108.2
77 31.9 26.7 66.7
79 32.8 6.3 46.3

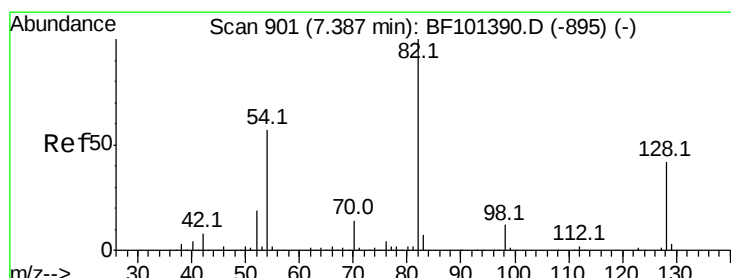
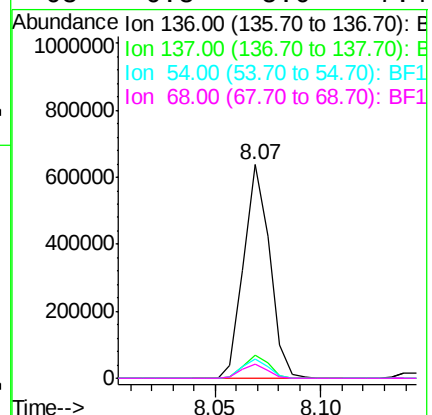
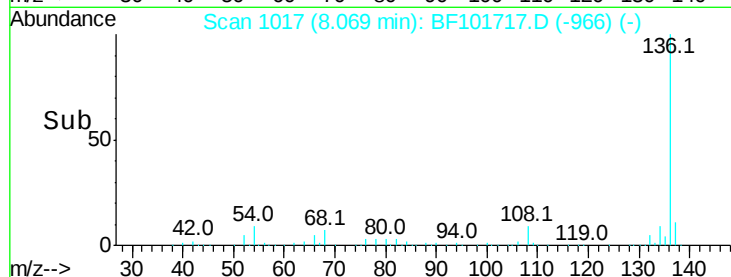
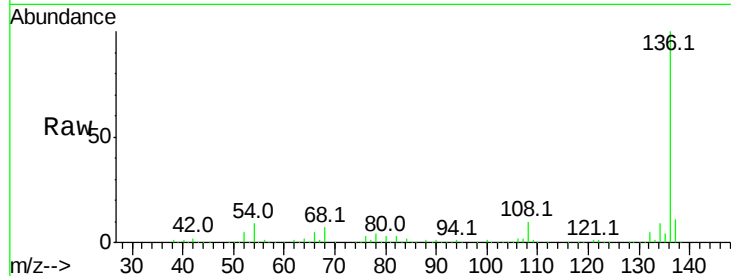




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

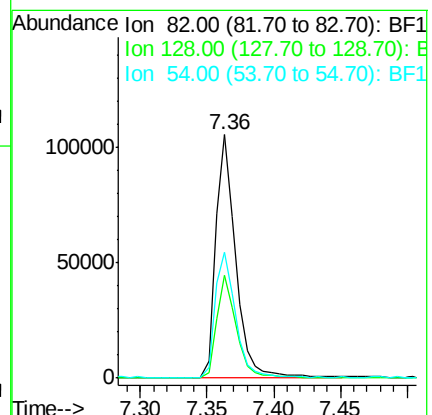
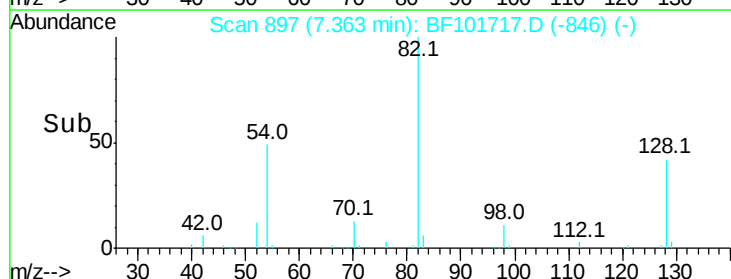
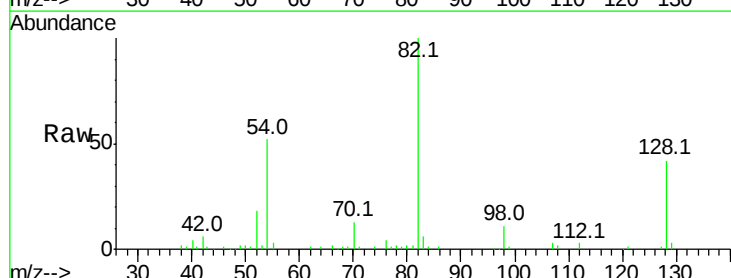
Instrument :
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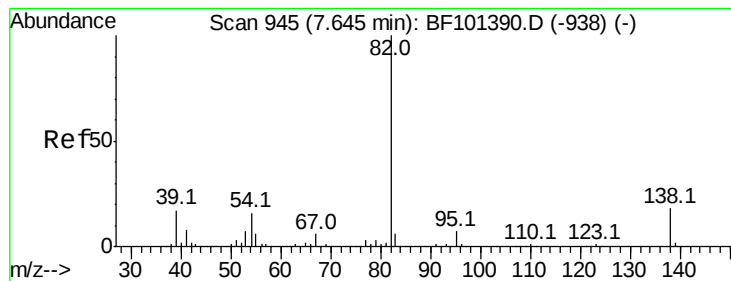
Tot Ion:	136	Resp:	544200
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	6.6	9.8
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 11.464 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Tgt Ion:	82	Resp:	112072
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	51.8	41.4	62.2





#25

Isophorone

Concen: 5.715 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

Instrument :

BNA_F

ClientSampleId :

WC-10257-01DL

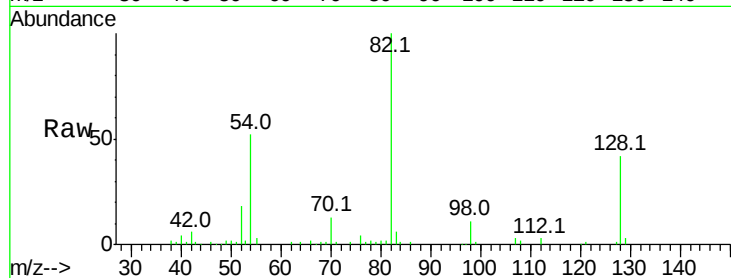
Tot Ion: 82 Resp: 112072

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

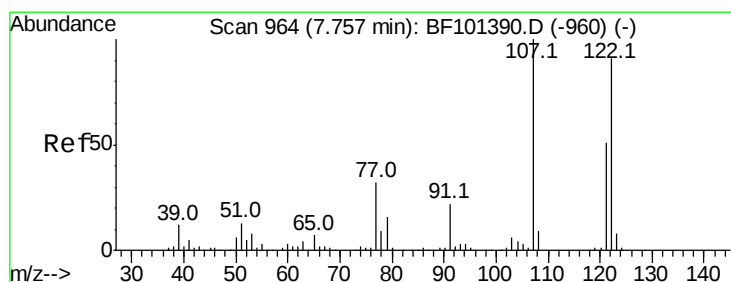
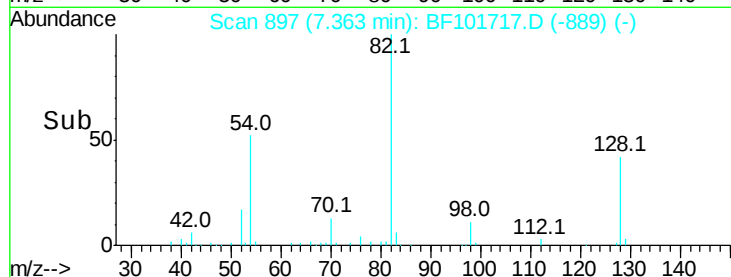
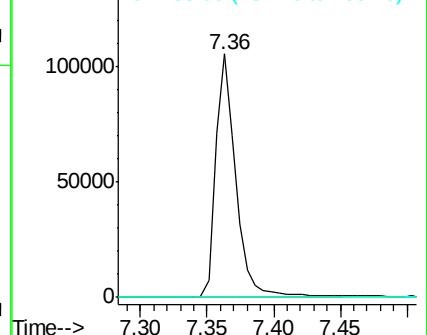
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#27

2,4-Dimethylphenol

Concen: 29.414 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

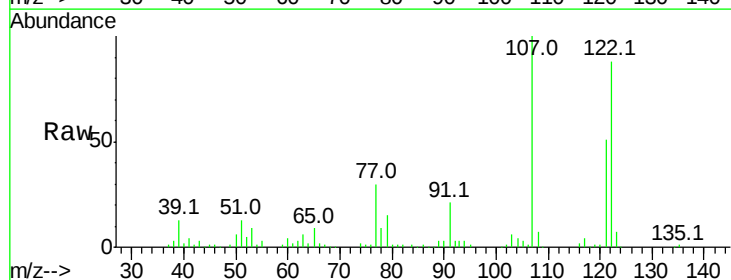
Tgt Ion:122 Resp: 232282

Ion Ratio Lower Upper

122 100

107 114.1 91.2 136.8

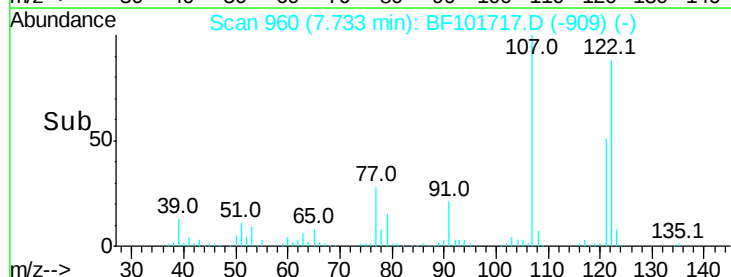
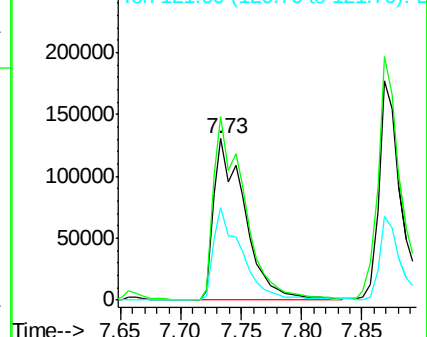
121 57.7 47.2 70.8

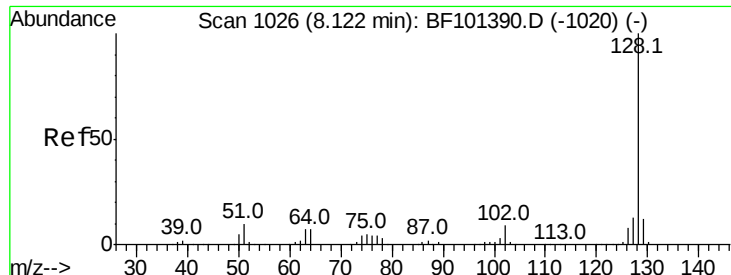


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

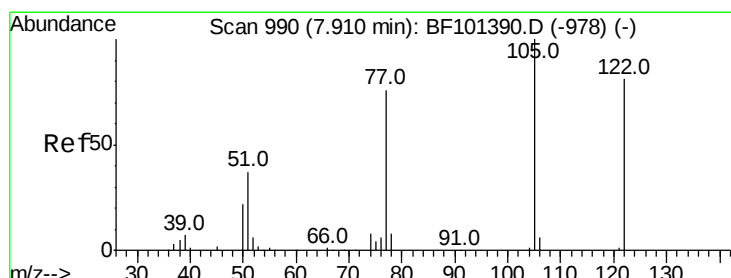
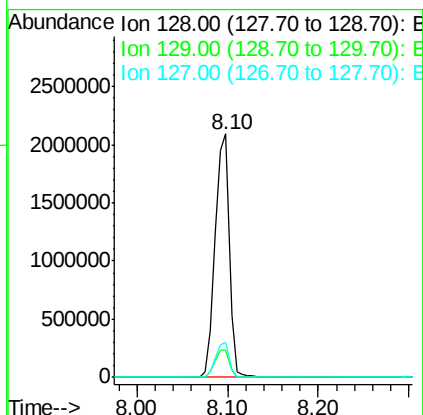
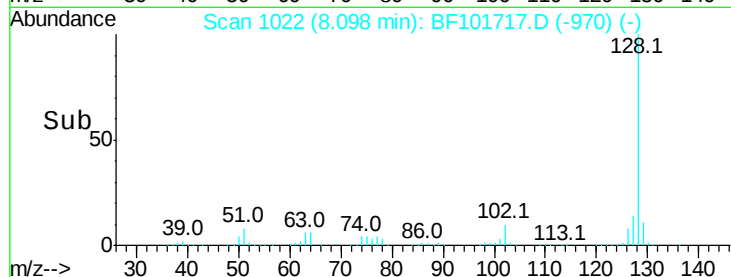
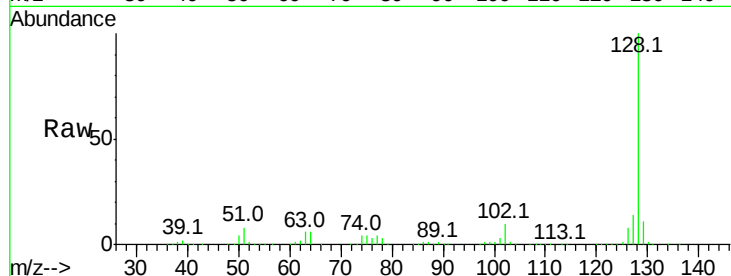




#31
Naphthalene
Concen: 82.875 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

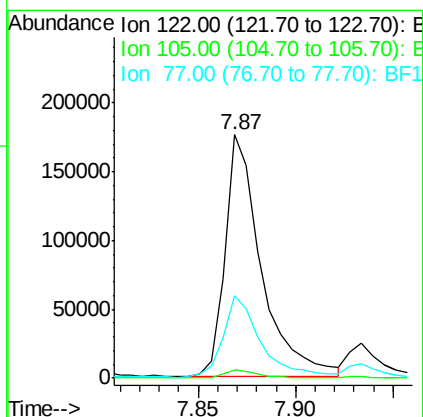
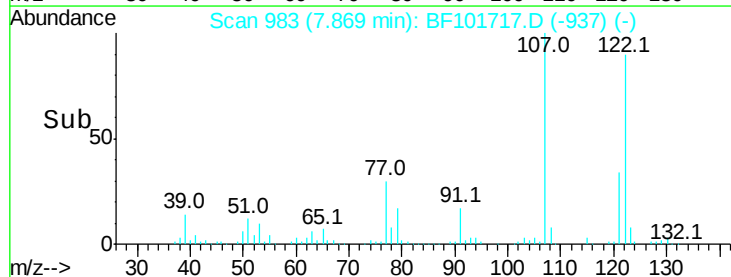
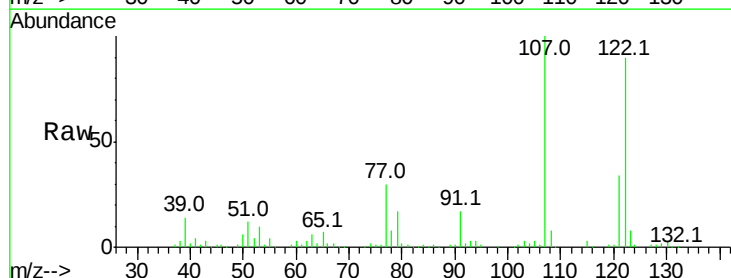
Instrument :
BNA_F
ClientSampleId :
WC-10257-01DL

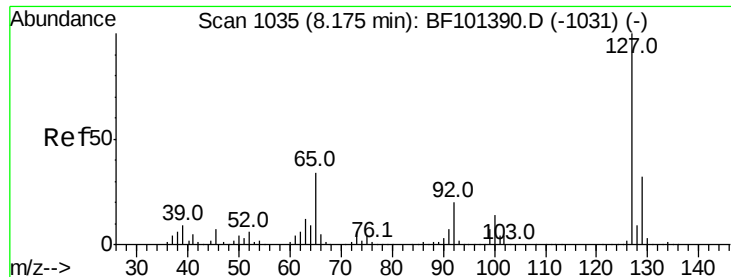
Tot Ion:128 Resp: 2270526
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 14.2 10.9 16.3



#32
Benzoic acid
Concen: 43.598 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Tgt Ion:122 Resp: 227326
Ion Ratio Lower Upper
122 100
105 3.2 101.1 141.1#
77 33.6 70.7 110.7#

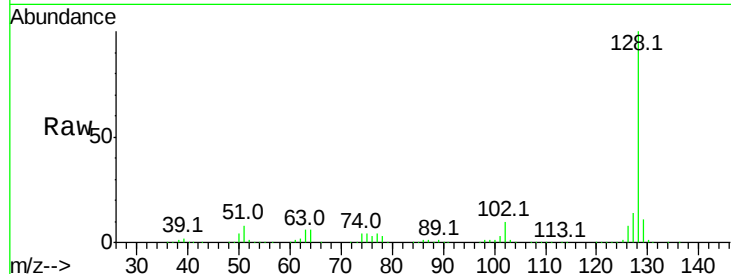




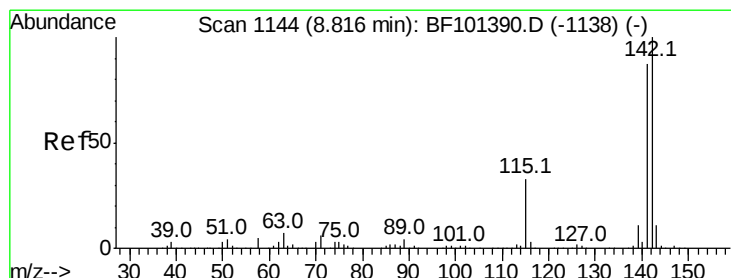
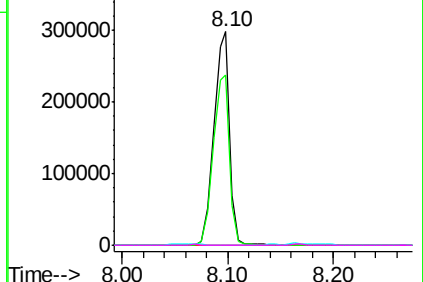
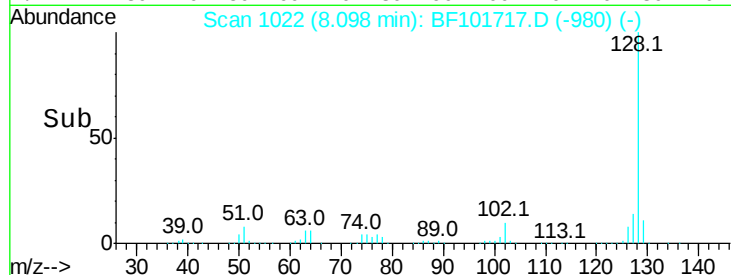
#33
 4-Chloroaniline
 Concen: 26.290 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. -0.05 min
 Lab File: BF101717.D
 Acq: 26 Dec 2017 16:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01DL

Tot Ion:	127	Resp:	313053
Ion	Ratio	Lower	Upper
127	100		
129	79.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

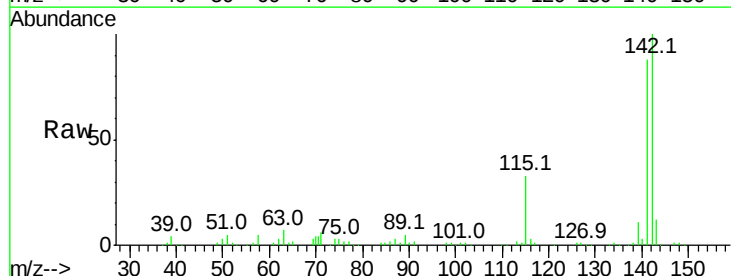


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

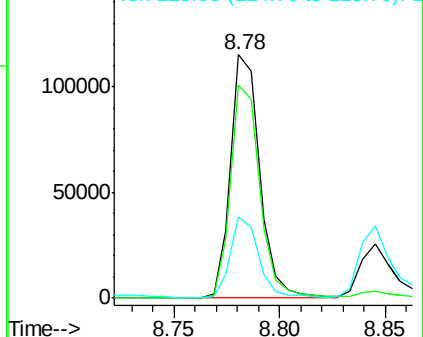
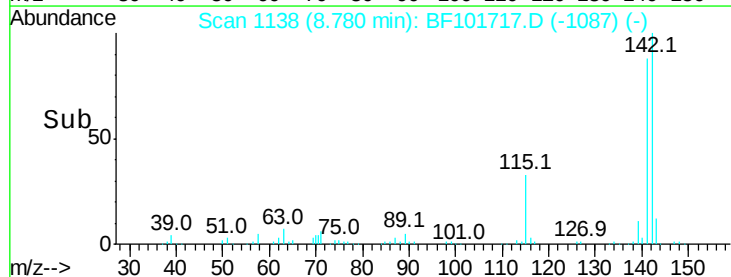


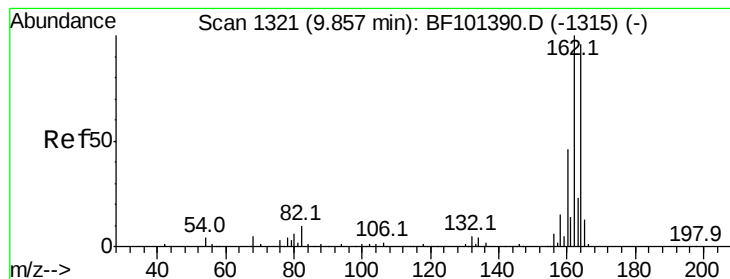
#37
 2-Methylnaphthalene
 Concen: 6.166 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BF101717.D
 Acq: 26 Dec 2017 16:00

Tgt Ion:	142	Resp:	110070
Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	33.0	26.1	39.1



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: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

Instrument :

BNA_F

ClientSampleId :

WC-10257-01DL

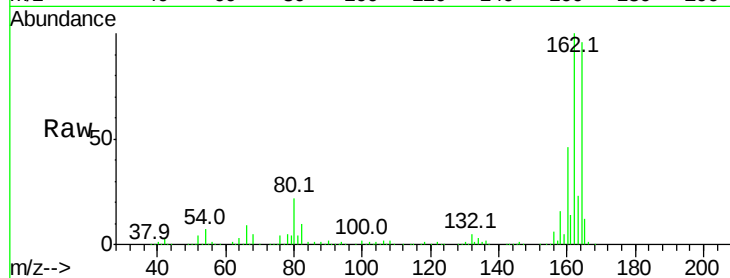
Tot Ion:164 Resp: 230635

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

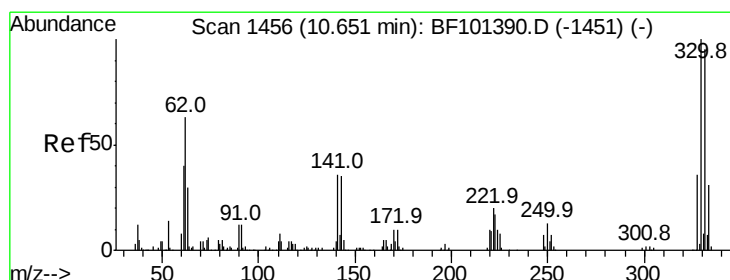
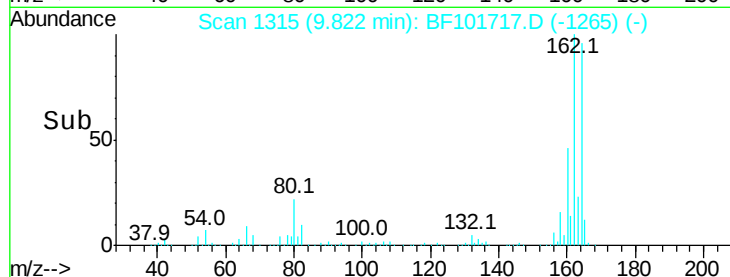
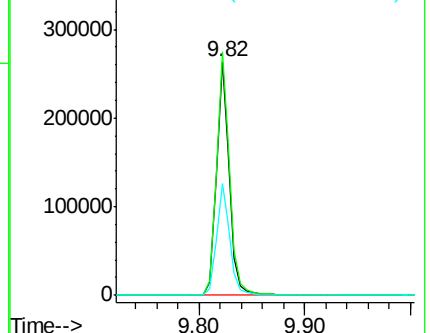
160 47.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 13.043 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

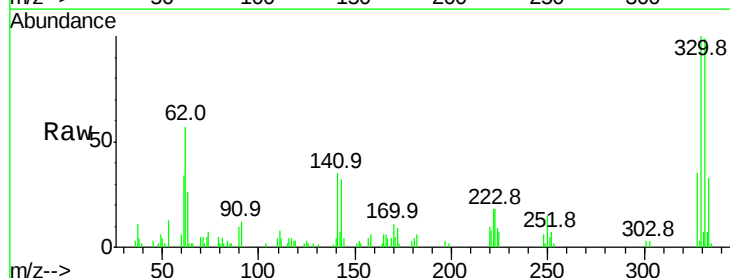
Tgt Ion:330 Resp: 28987

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

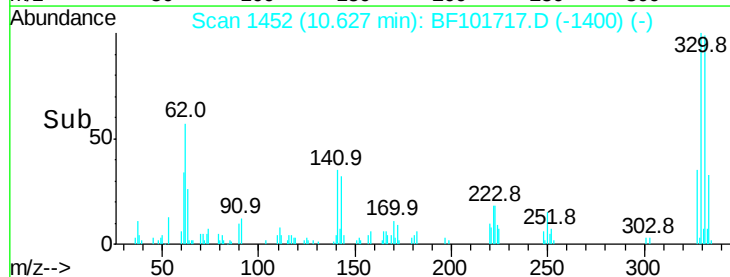
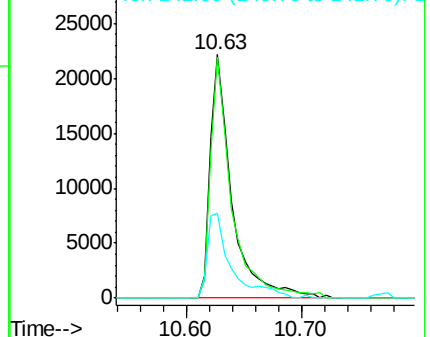
141 38.4 29.9 44.9

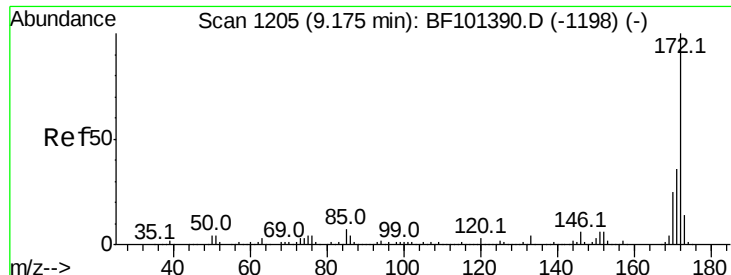


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

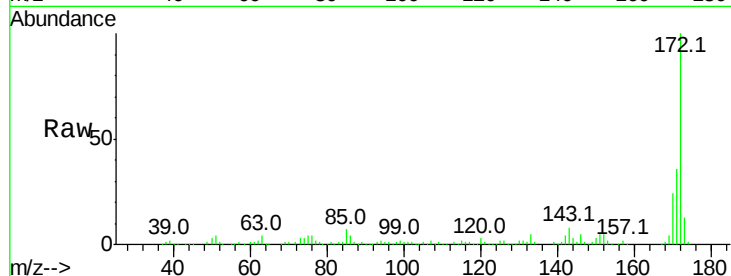




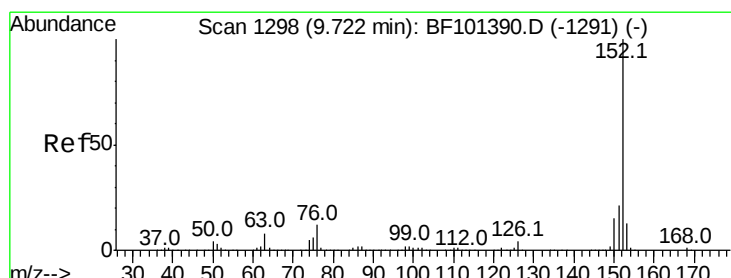
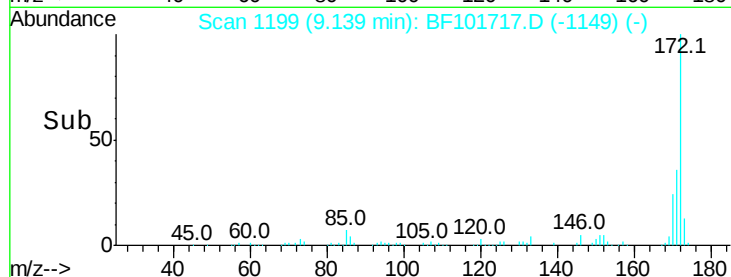
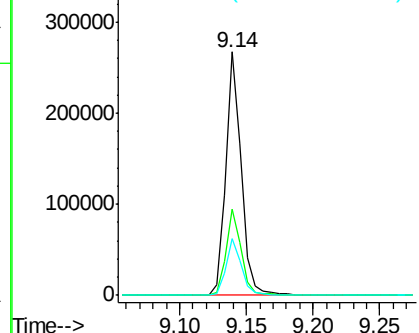
#44
 2-Fluorobiphenyl
 Concen: 14.757 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101717.D
 Acq: 26 Dec 2017 16:00

Instrument :
 BNA_F
 ClientSampleID :
 WC-10257-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.5	19.6	29.4

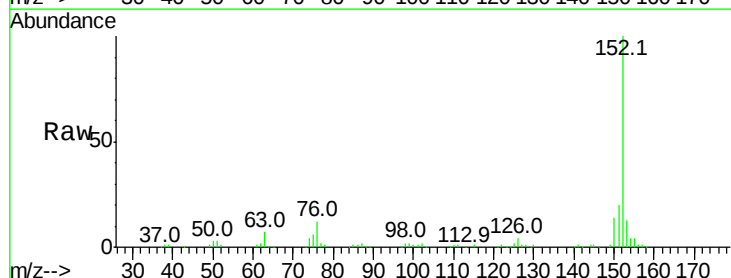


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

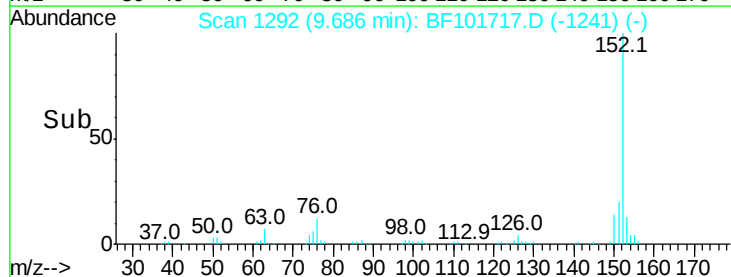
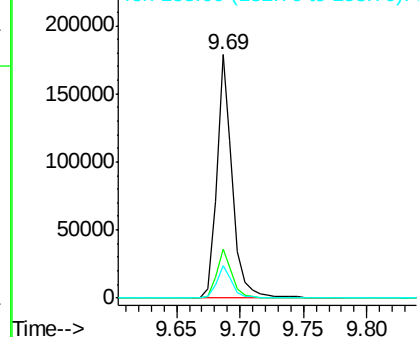


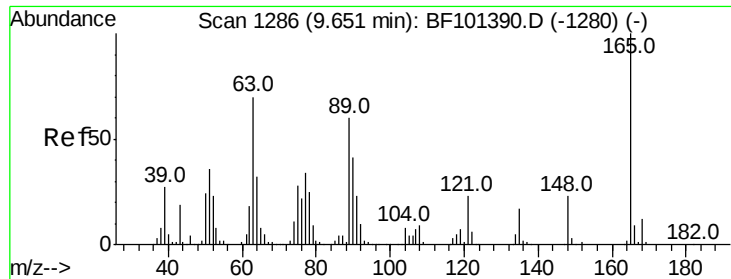
#48
 Acenaphthylene
 Concen: 6.231 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF101717.D
 Acq: 26 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.4	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

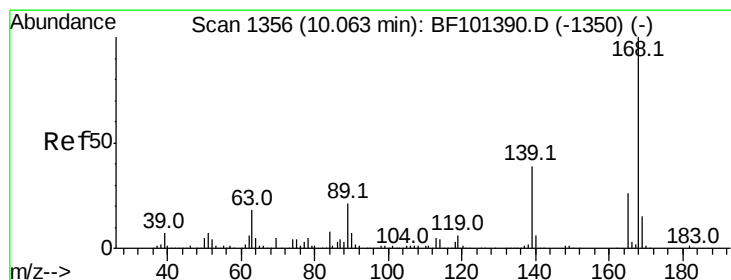
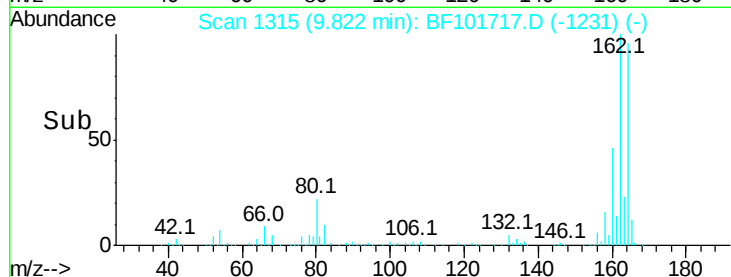
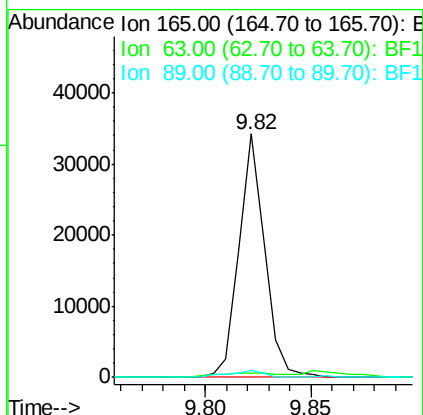
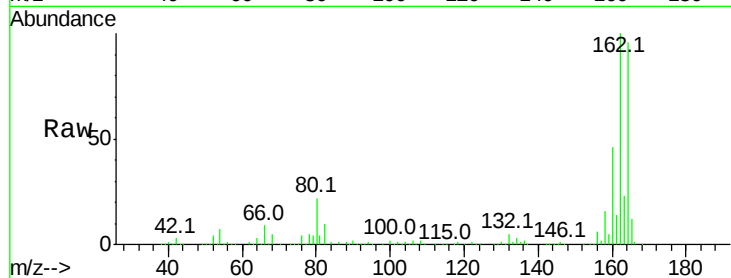




#50
 2,6-Dinitrotoluene
 Concen: 7.613 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101717.D
 Acq: 26 Dec 2017 16:00

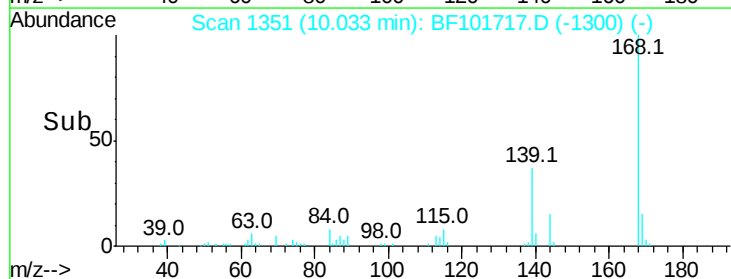
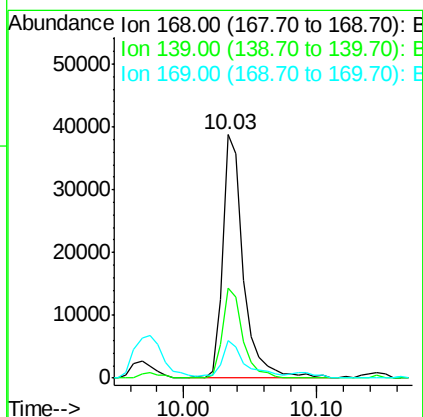
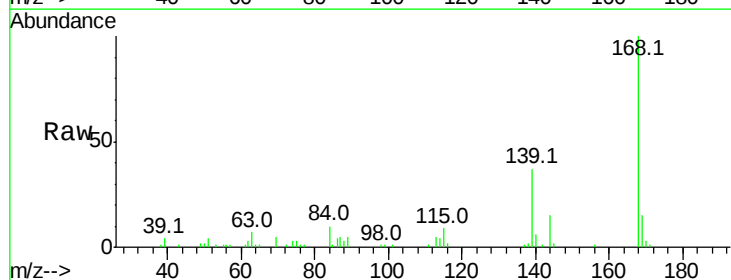
Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01DL

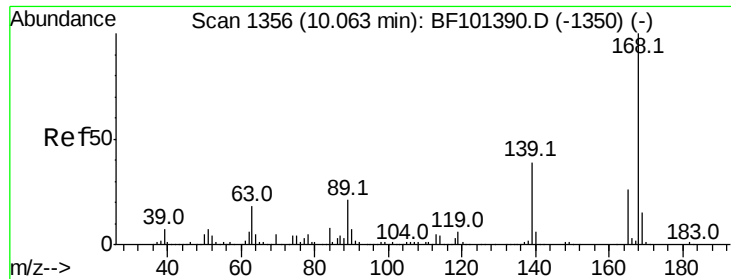
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	2.9	44.0	66.0#



#54
 Dibenzofuran
 Concen: 2.247 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: BF101717.D
 Acq: 26 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.1	45.1
169	15.2	10.9	16.3

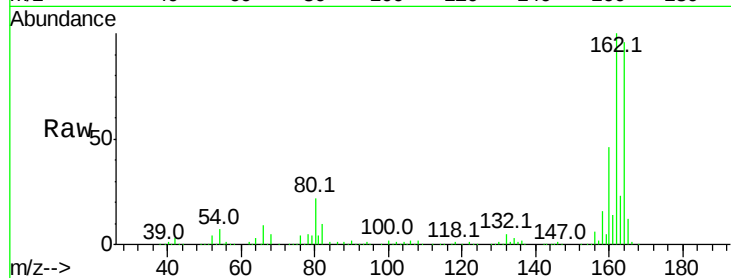




#56
2,4-Dinitrotoluene
Concen: 6.757 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

Instrument :
BNA_F
ClientSampleId :
WC-10257-01DL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	2.9	57.8	86.6#
182	0.0	1.6	2.4#

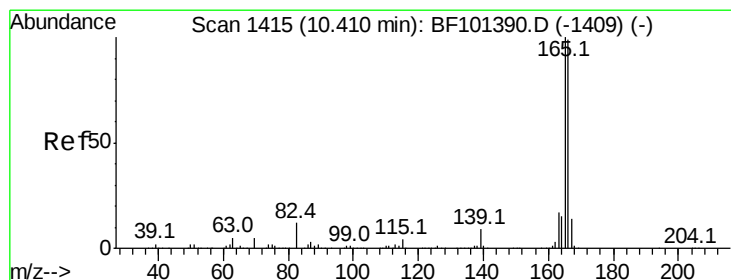
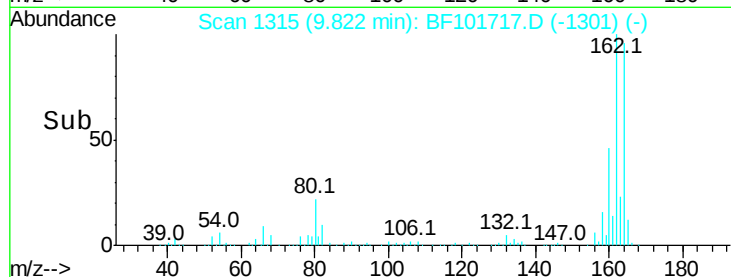
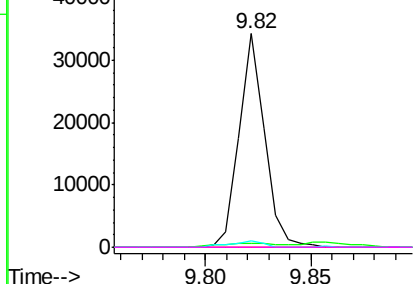


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

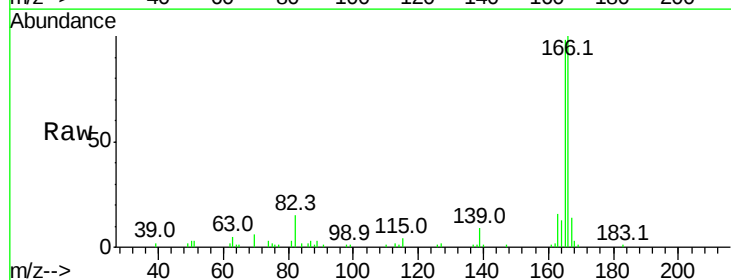
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 2.385 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BF101717.D
Acq: 26 Dec 2017 16:00

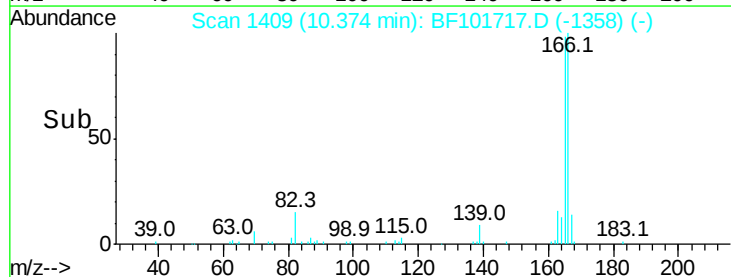
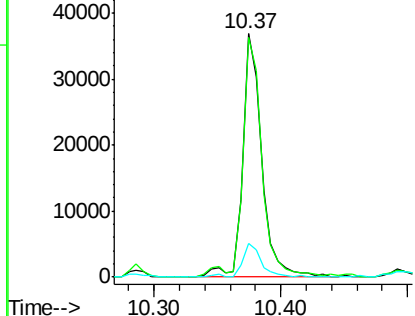
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.8	119.8
167	13.8	10.6	16.0

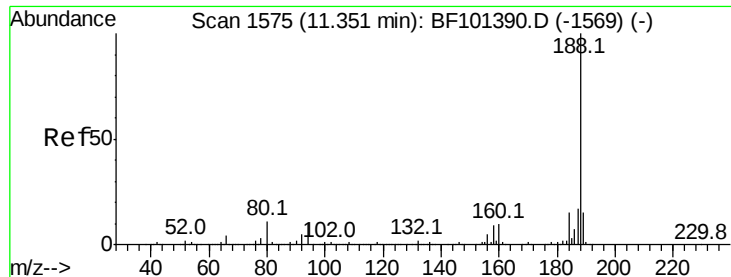


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

Instrument :

BNA_F

ClientSampleId :

WC-10257-01DL

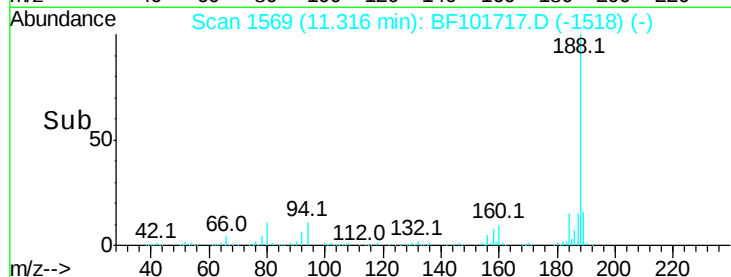
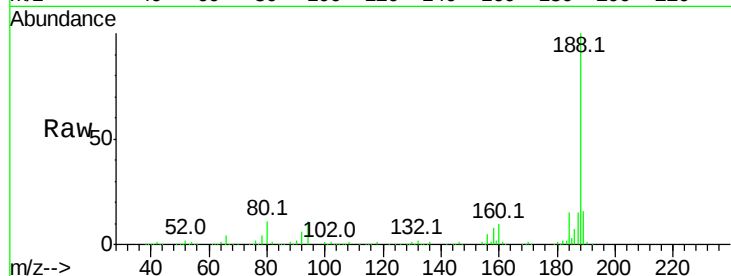
Tot Ion:188 Resp: 366653

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

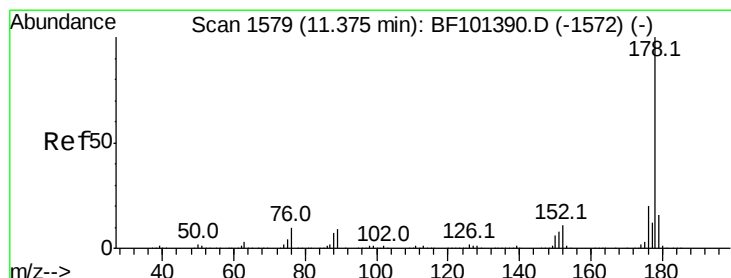
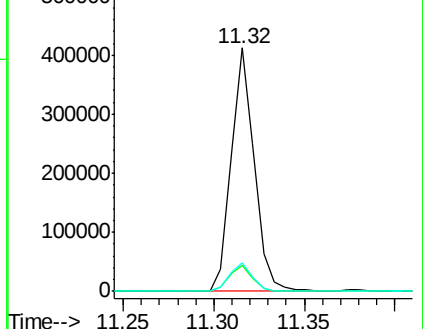
80 11.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 2.004 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

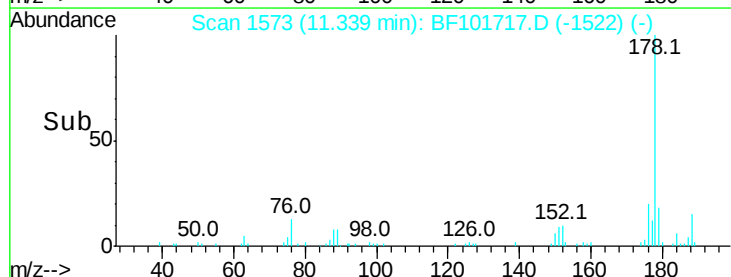
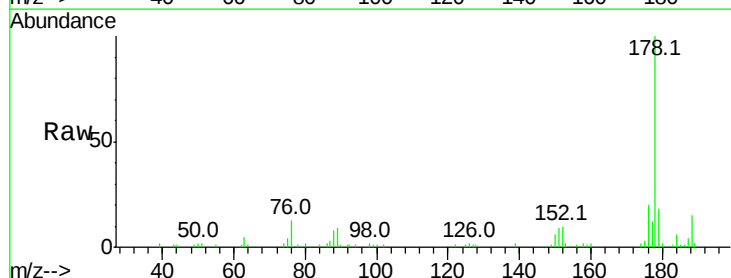
Tgt Ion:178 Resp: 40865

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

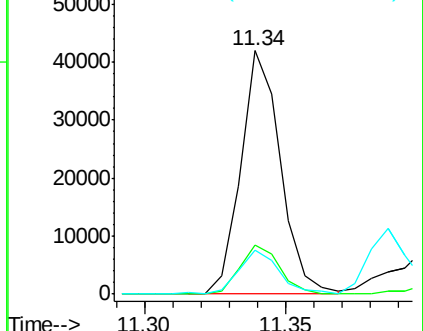
179 18.0 13.0 19.6

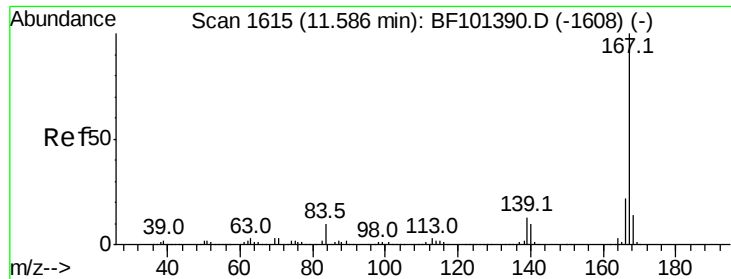


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.699 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

Instrument :

BNA_F

ClientSampleId :

WC-10257-01DL

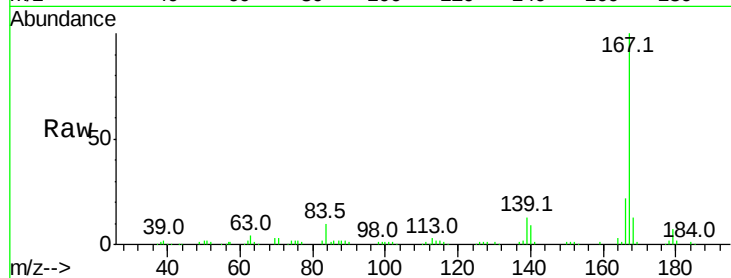
Tot Ion:167 Resp: 111135

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

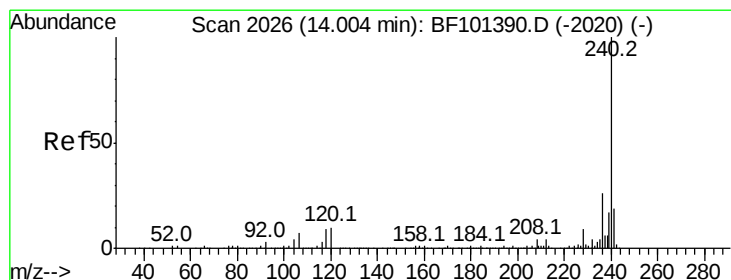
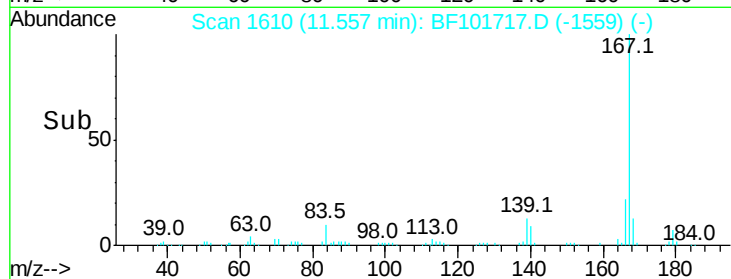
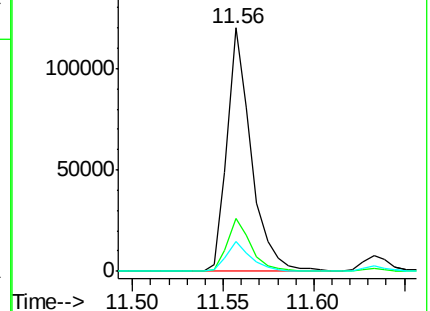
139 12.5 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

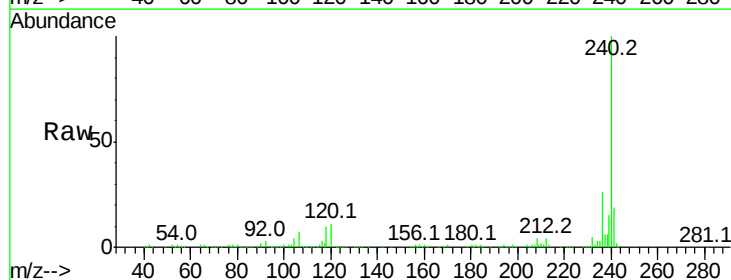
Tgt Ion:240 Resp: 294457

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

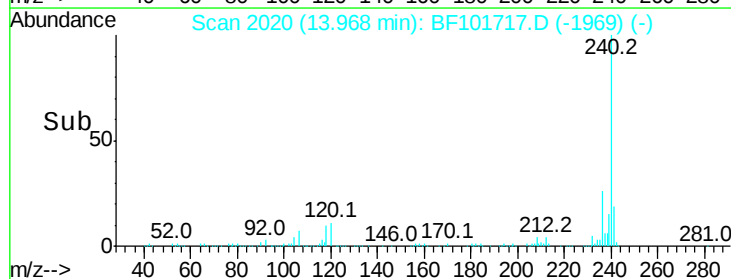
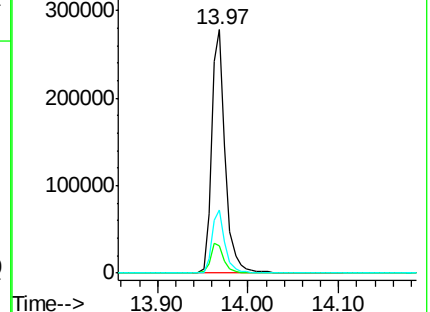
236 26.0 20.7 31.1

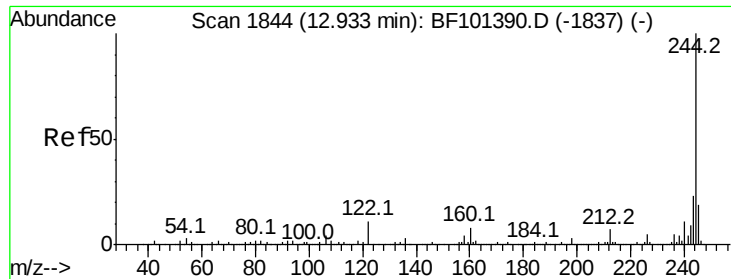


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 14.037 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

Instrument :

BNA_F

ClientSampleId :

WC-10257-01DL

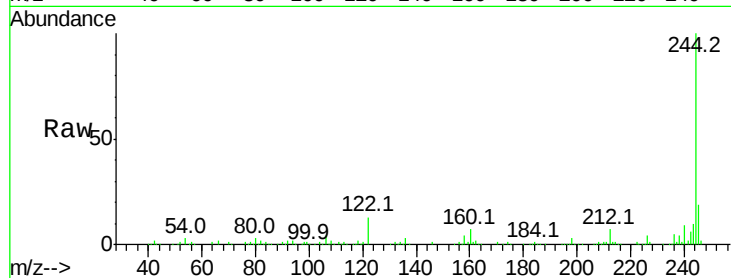
Tot Ion:244 Resp: 171450

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

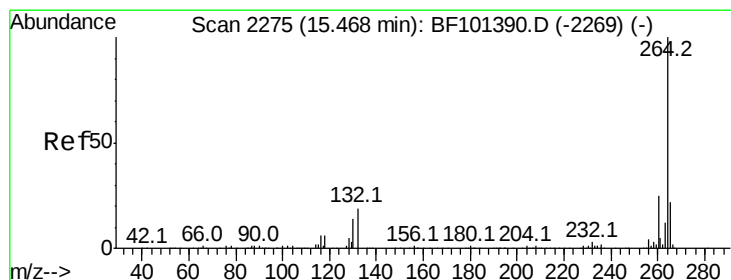
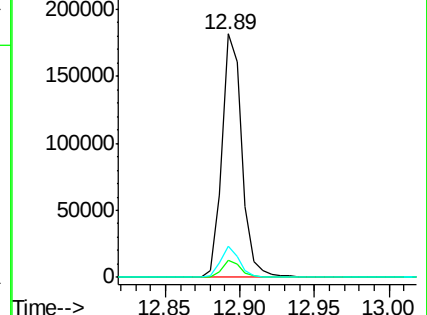
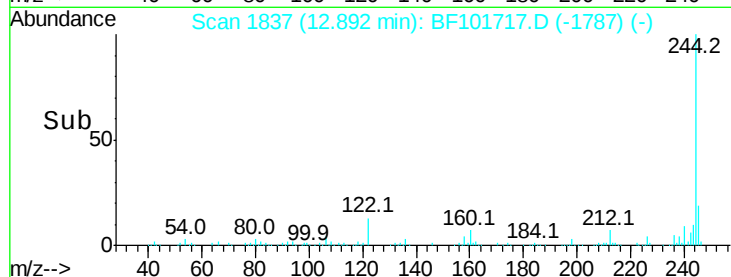
122 12.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF101717.D

Acq: 26 Dec 2017 16:00

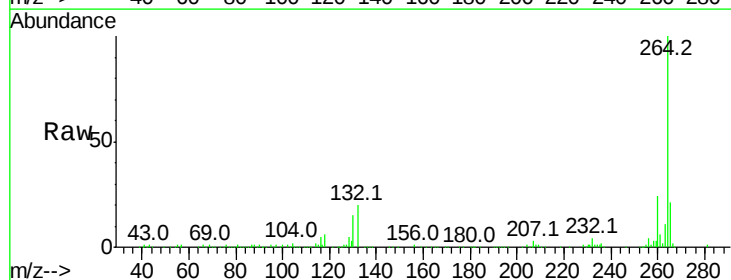
Tgt Ion:264 Resp: 282166

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.6 17.5 26.3



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

