

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103767.D
 Acq On : 19 Mar 2018 20:30
 Operator : JU/SJ
 Sample : J1971-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ES-6-SA-3-WW@4.5

Manual Integrations
 APPROVED

Sohil
 3/20/2018 6:26:44 PM

Quant Time: Mar 20 01:44:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155939	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	613177	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	257554	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	399029	20.00	ng	0.00
75) Chrysene-d12	14.16	240	316902	20.00	ng	0.00
86) Perylene-d12	15.69	264	240518	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1298258	126.63	ng	0.02
7) Phenol-d6	6.60	99	1609098	128.29	ng	0.01
23) Nitrobenzene-d5	7.54	82	968349	110.13	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	310824	140.36	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1345189	83.31	ng	0.00
78) Terphenyl-d14	13.10	244	1103539	80.83	ng	0.01

Target Compounds

						Qvalue
10) Phenol	6.61	94	53020	3.978	ng	92
31) Naphthalene	8.27	128	128939	4.163	ng	99
37) 2-Methylnaphthalene	8.96	142	56617	2.882	ng	98
49) Dimethylphthalate	9.72	163	140072	7.128	ng	99
57) Fluorene	10.56	166	42851	2.462	ng	98
70) Phenanthrene	11.53	178	512935	23.499	ng	98
71) Anthracene	11.58	178	108242	4.882	ng	98
72) Carbazole	11.73	167	69683	3.234	ng	99
74) Fluoranthene	12.73	202	598795	26.628	ng	98
77) Pyrene	12.96	202	521903	22.425	ng	99
80) Benzo(a)anthracene	14.14	228	241699	12.049	ng	99
82) Chrysene	14.18	228	250350	13.092	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	82726	4.954	ng	95
87) Benzo(b)fluoranthene	15.24	252	247883m	16.313	ng	
88) Benzo(k)fluoranthene	15.26	252	67932m	4.651	ng	
89) Benzo(a)pyrene	15.63	252	148354	10.764	ng	96
91) Benzo(a,h,i)perylene	17.74	276	76291	6.571	ng	97

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

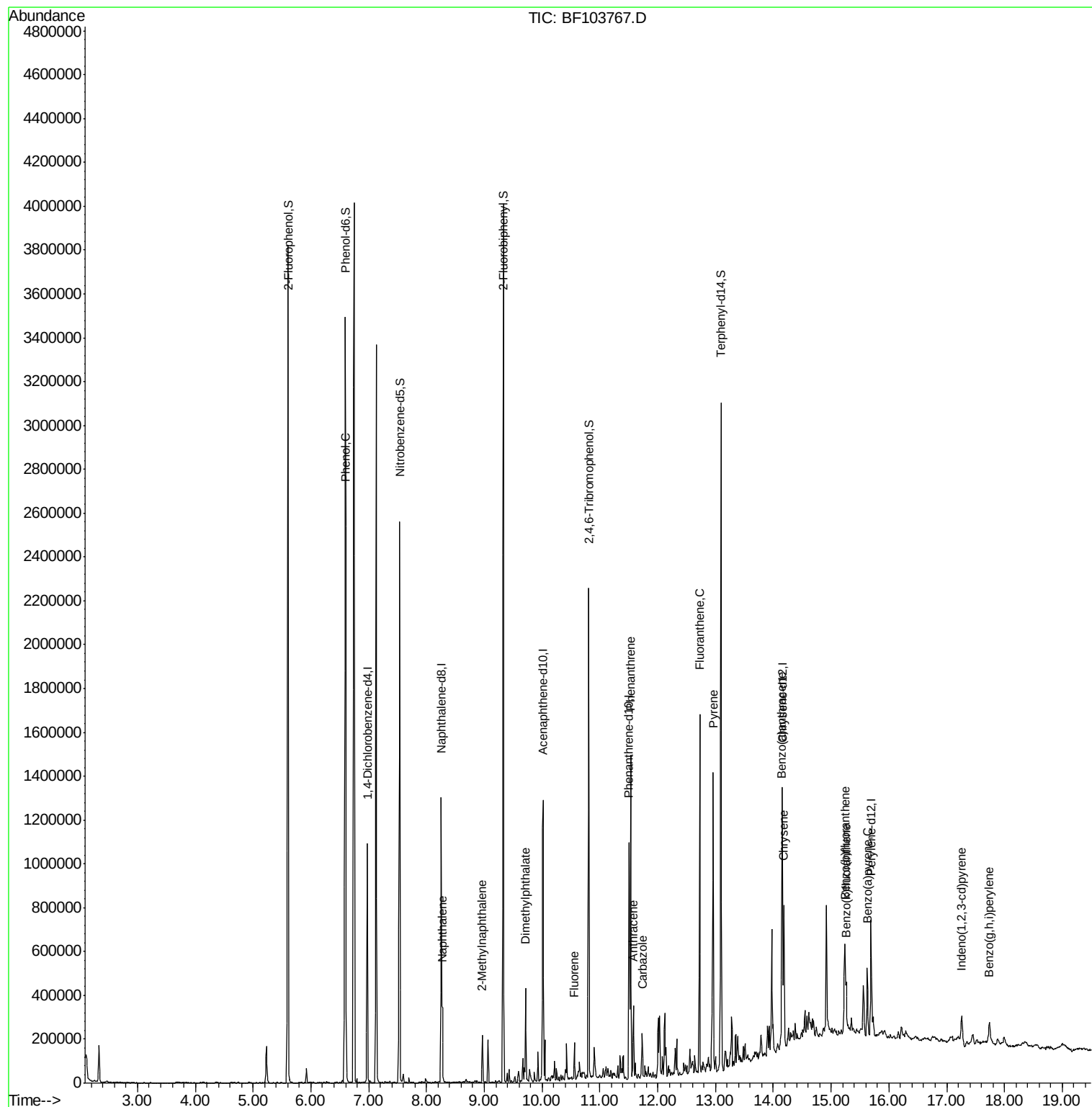
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
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Sample : J1971-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

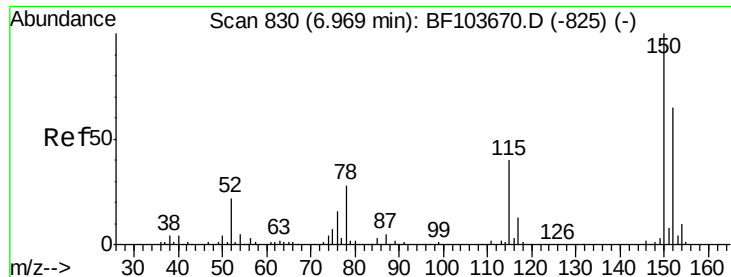
Instrument :
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#1

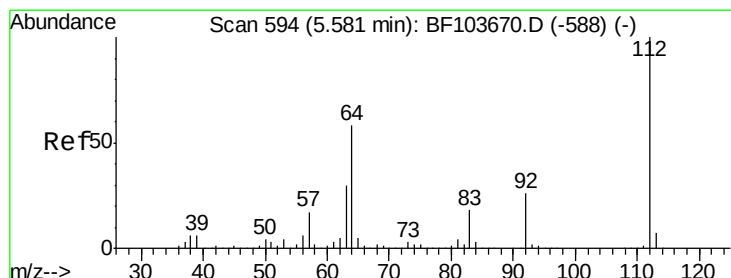
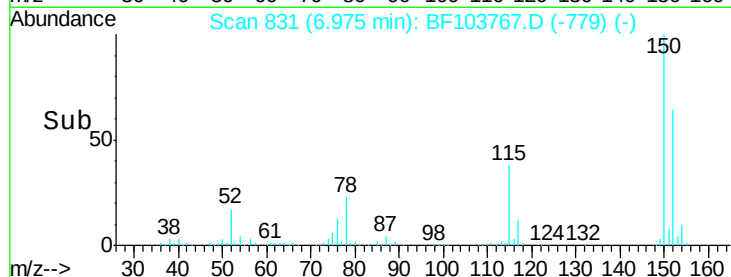
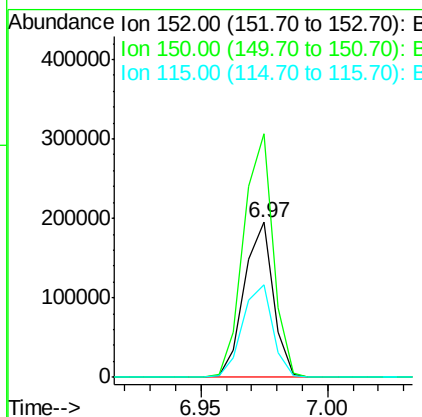
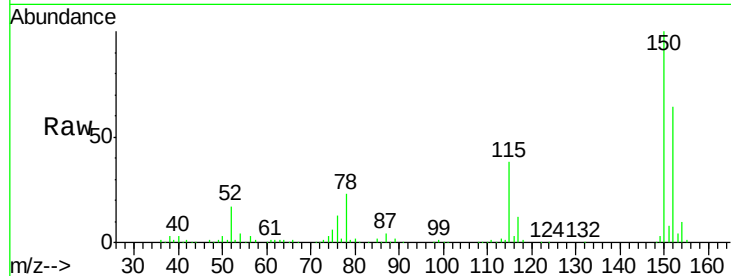
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.8	50.1	75.1

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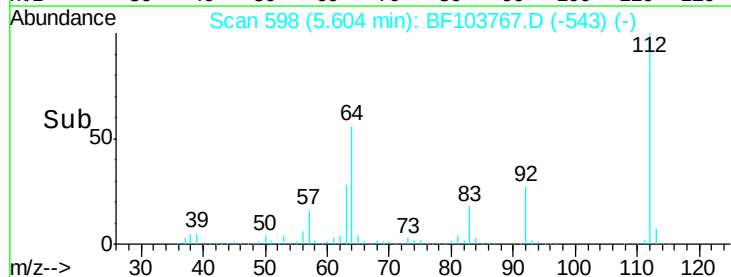
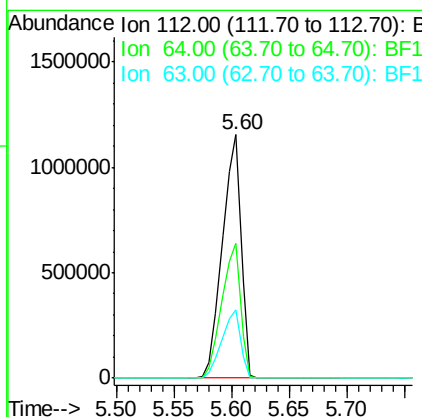
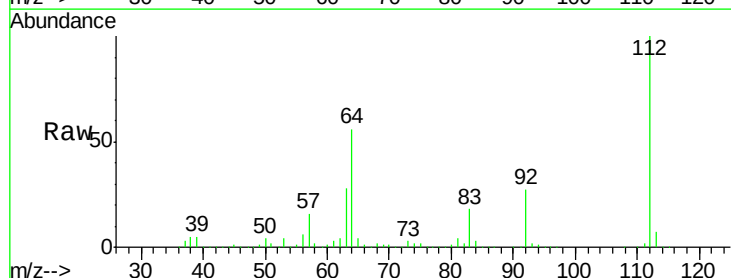
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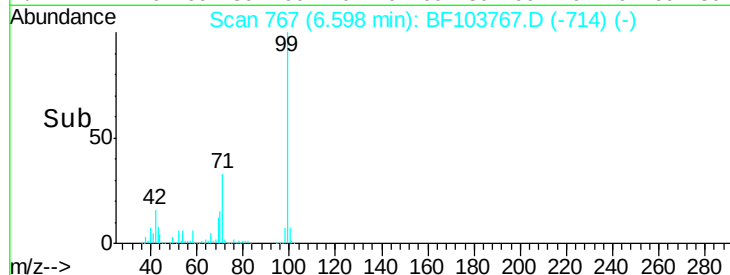
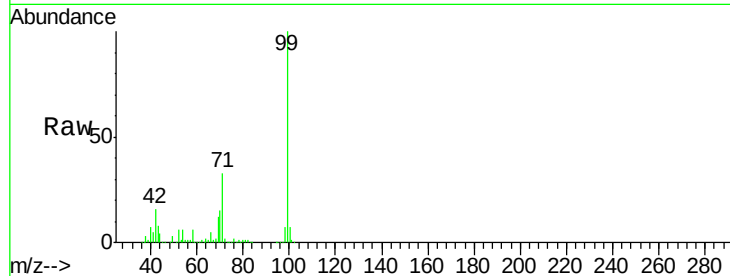
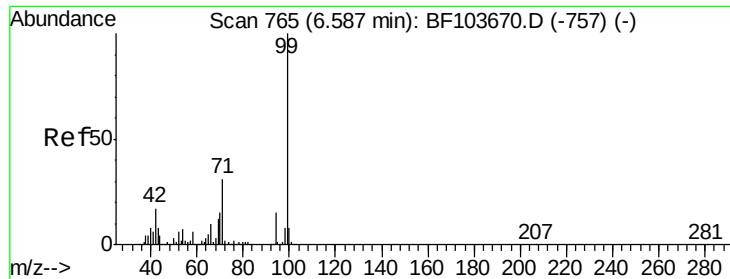


#5

2-Fluorophenol
Concen: 126.629 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 128.285 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Tot Ion: 99 Resp: 1609098

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.3 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

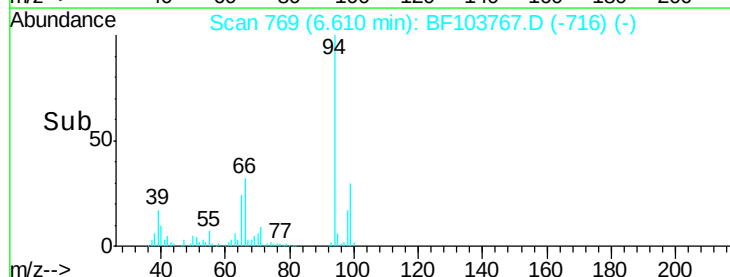
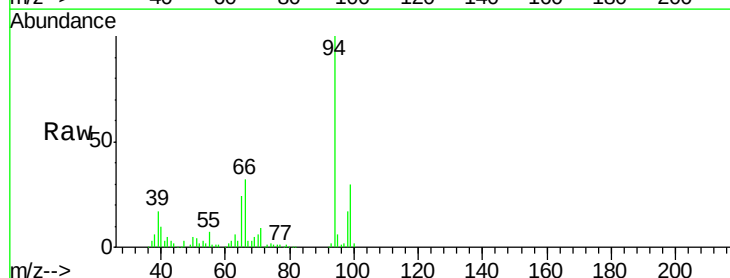
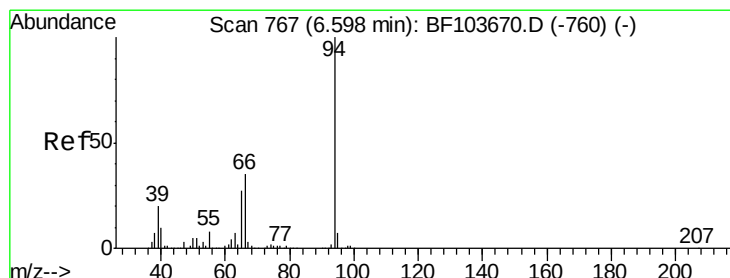
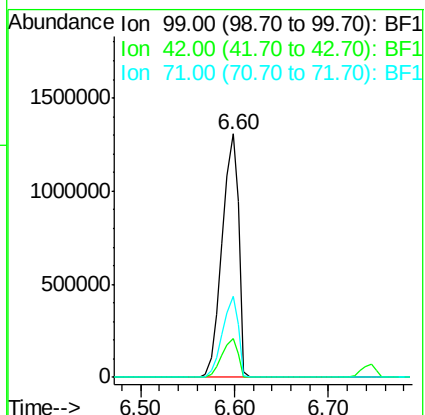
ES-6-SA-3-WW@4.5

Manual Integrations

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#10

Phenol

Concen: 3.978 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

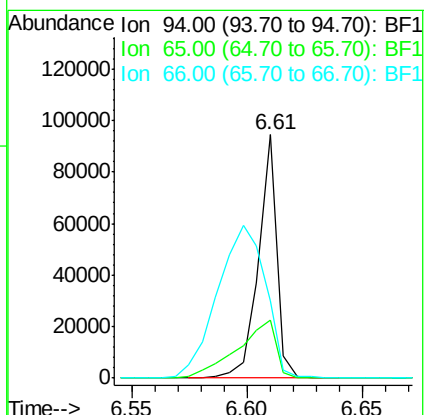
Tgt Ion: 94 Resp: 53020

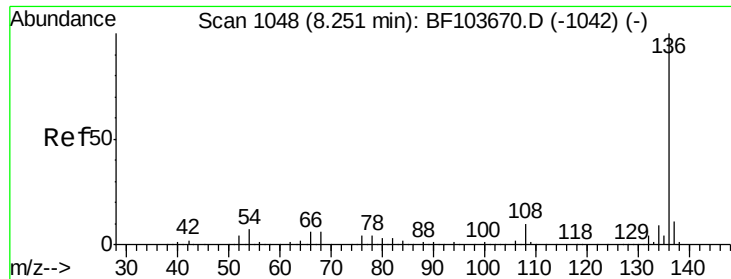
Ion Ratio Lower Upper

94 100

65 23.8 7.9 47.9

66 31.7 16.2 56.2





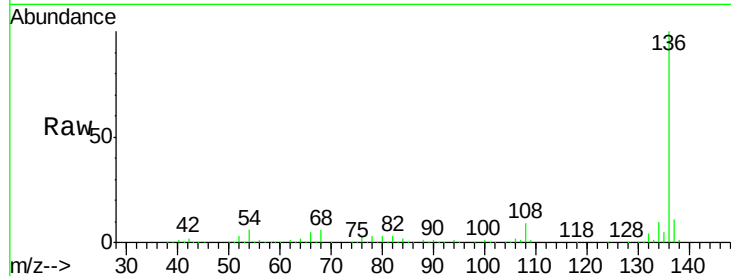
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

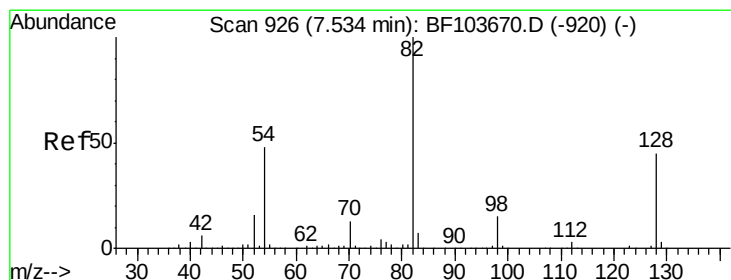
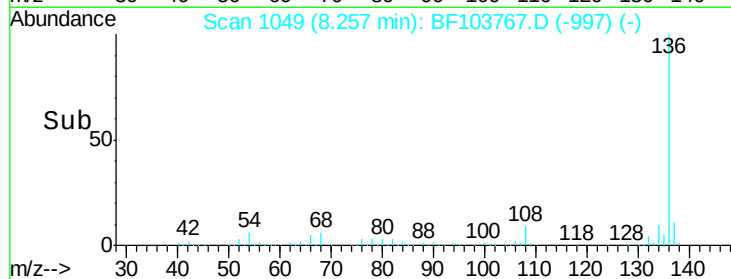
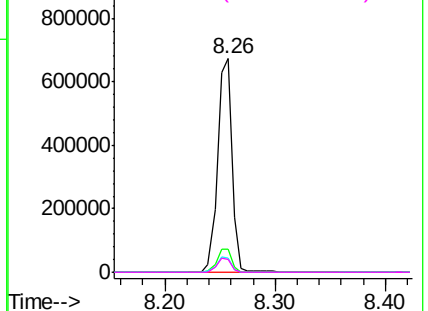
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.3	6.6	9.8
68	5.8	5.0	7.4

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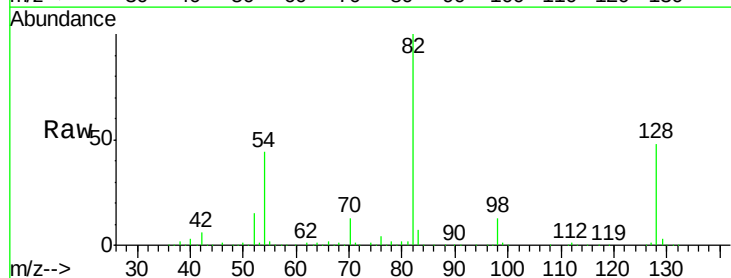


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

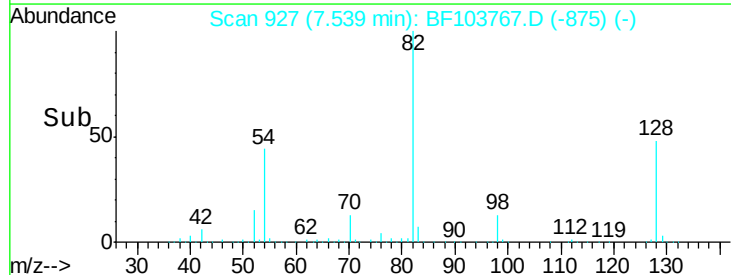
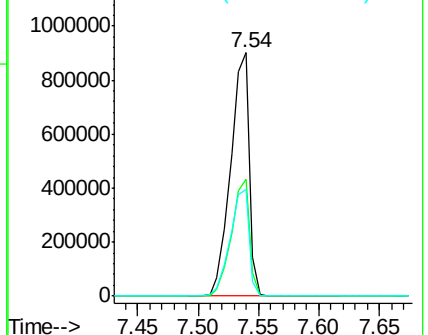


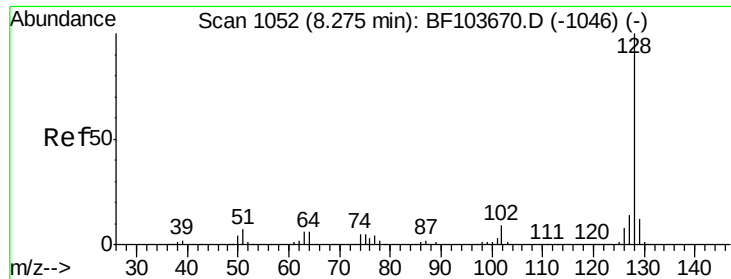
#23
Nitrobenzene-d5
Concen: 110.129 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	44.1	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 4.163 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Instrument :

BNA_F

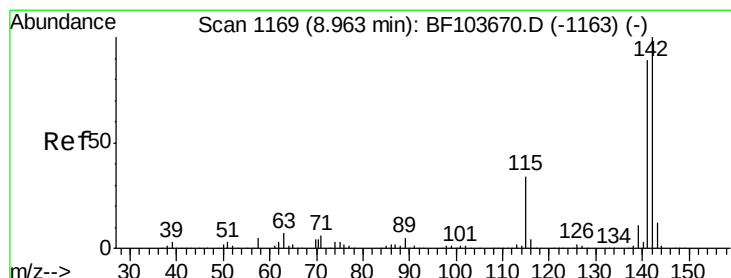
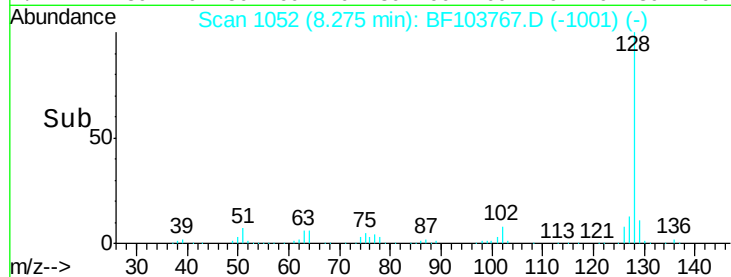
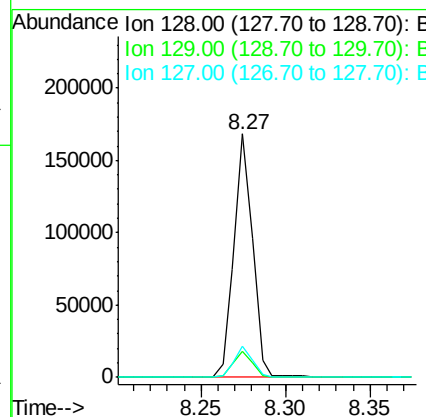
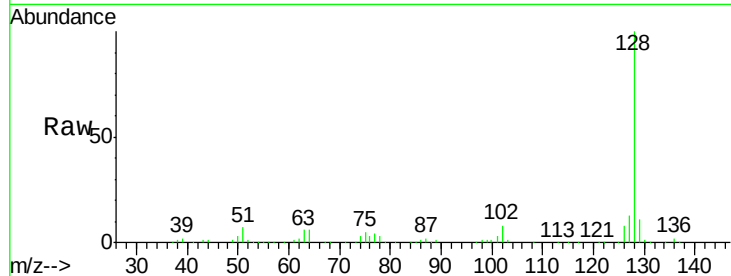
ClientSampleId :

ES-6-SA-3-WW@4.5

Tot Ion:	128	Resp:	128939
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	12.9	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 2.882 ng

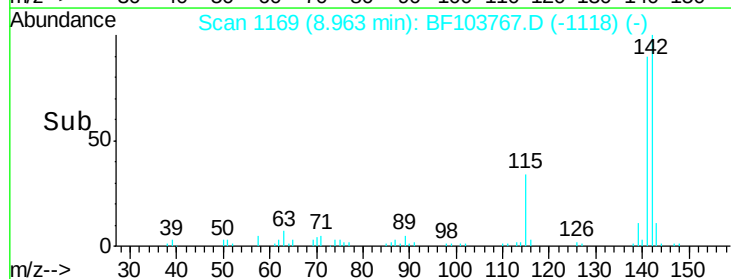
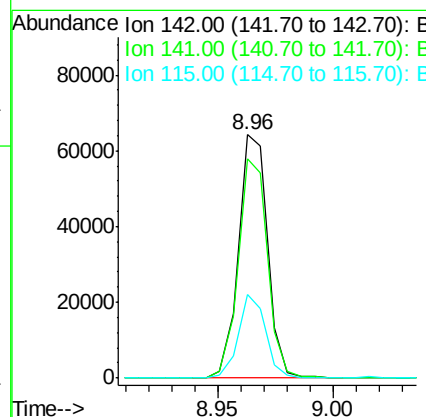
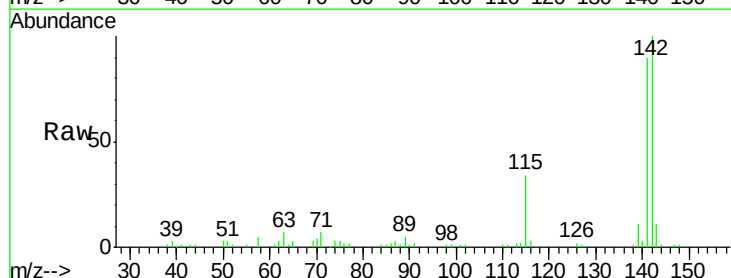
RT: 8.96 min Scan# 1169

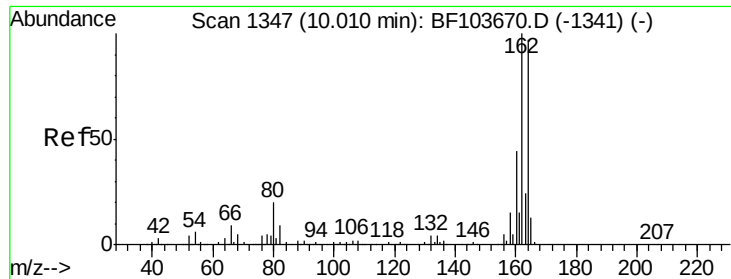
Delta R.T. -0.00 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Tgt Ion:	142	Resp:	56617
Ion Ratio	Lower	Upper	
142	100		
141	90.2	70.8	106.2
115	34.4	26.1	39.1





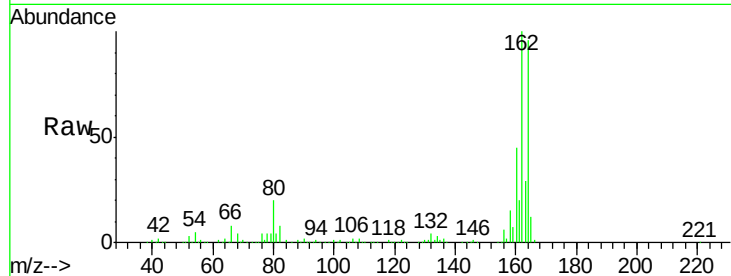
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

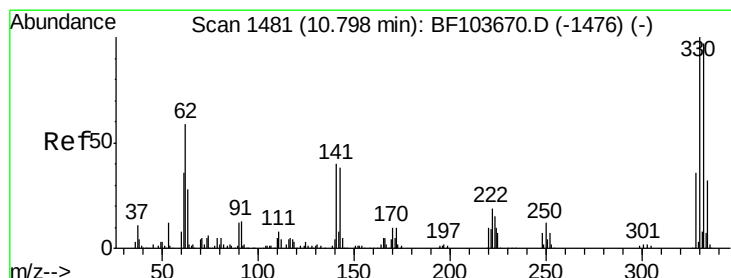
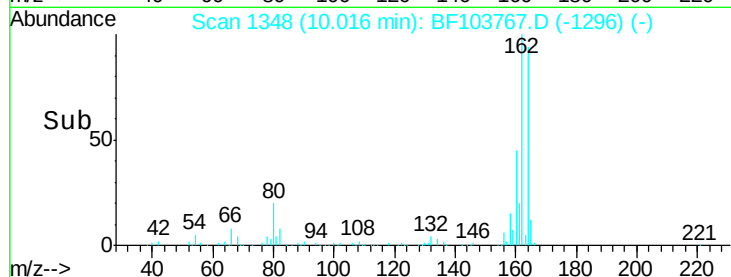
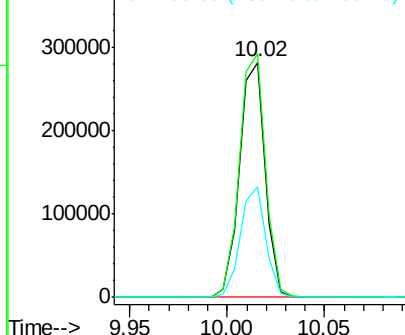
Tot Ion	Ratio	Resp	Lower	Upper
164	100	257554		
162	103.6	86.1	129.1	
160	46.8	38.3	57.5	

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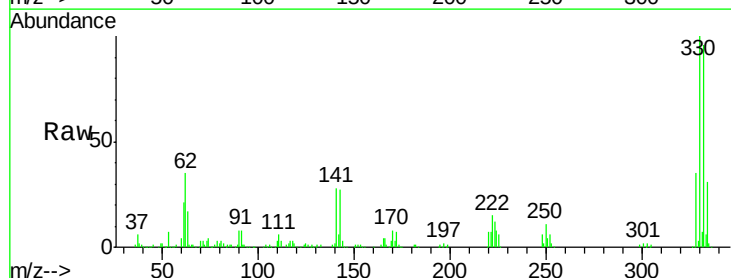


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

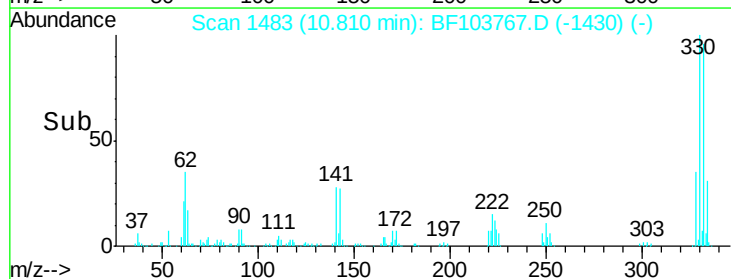
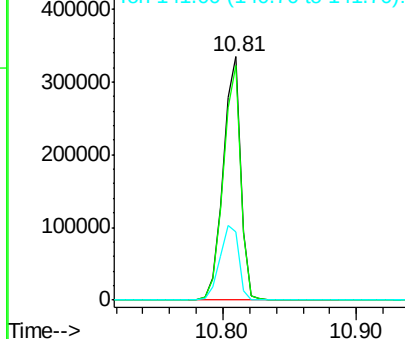


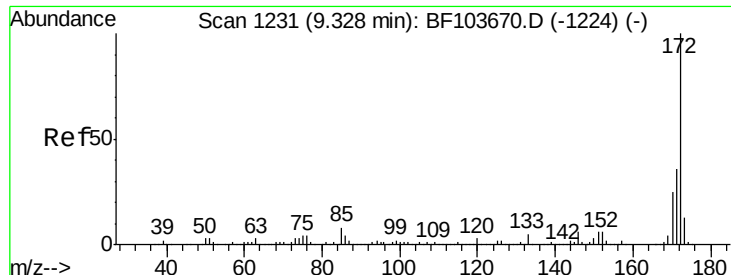
#41
2,4,6-Tribromophenol
Concen: 140.361 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	310824		
332	96.3	77.0	115.6	
141	33.6	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





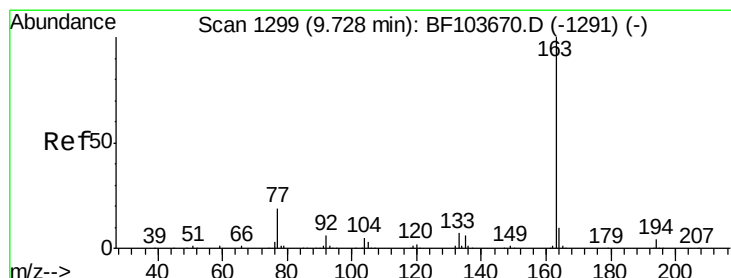
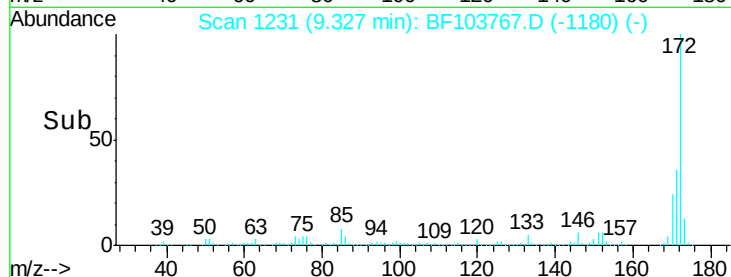
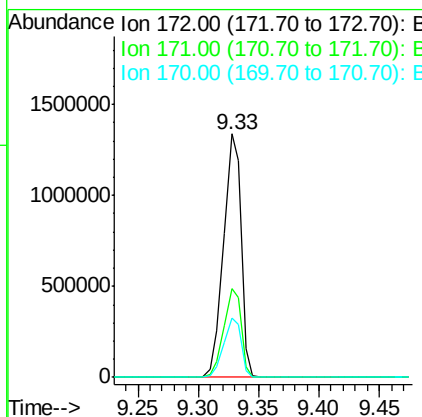
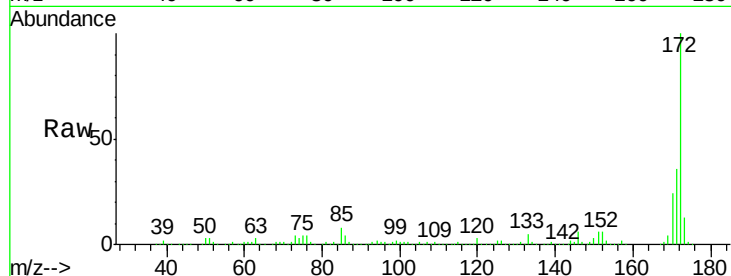
#44
2-Fluorobiphenyl
Concen: 83.314 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4

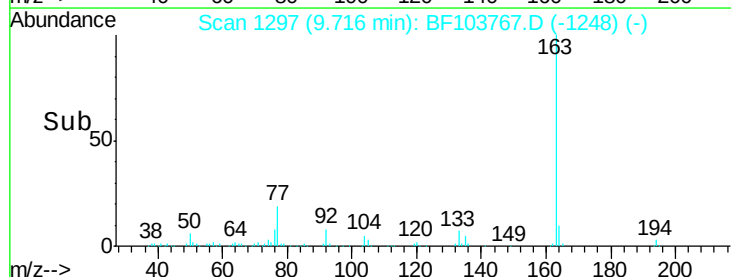
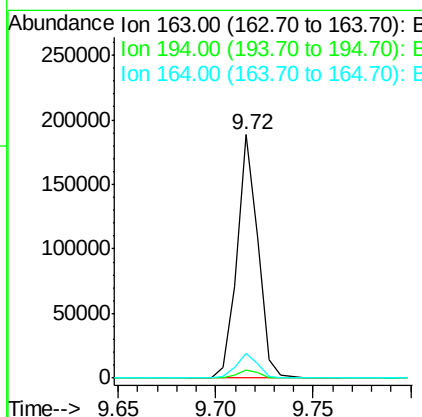
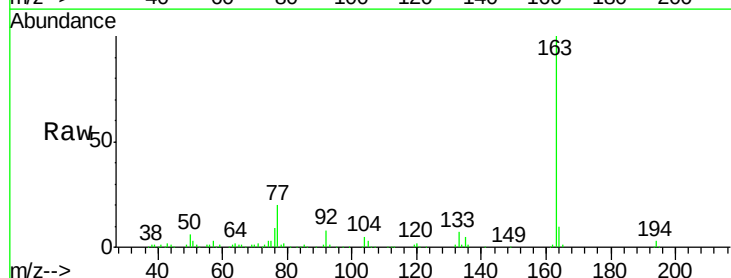
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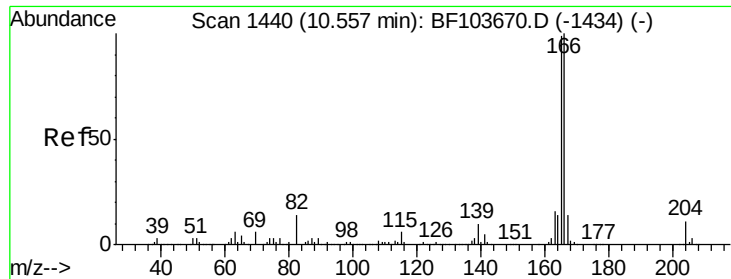
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#49
Dimethylphthalate
Concen: 7.128 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.4	8.2	12.2





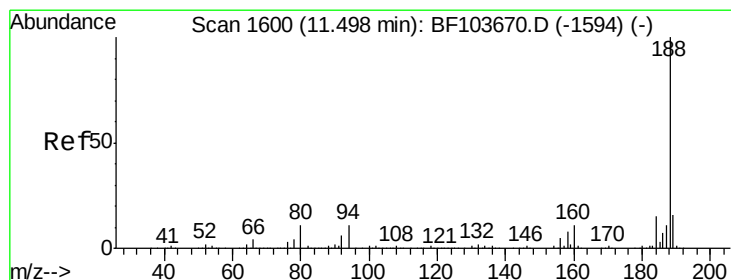
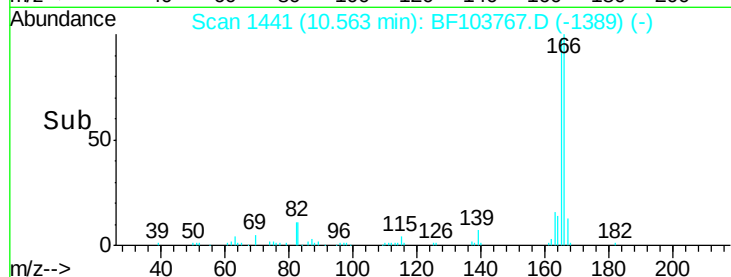
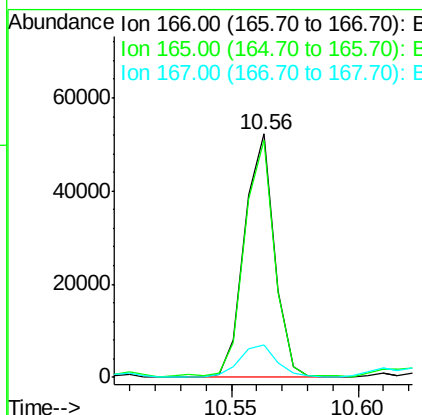
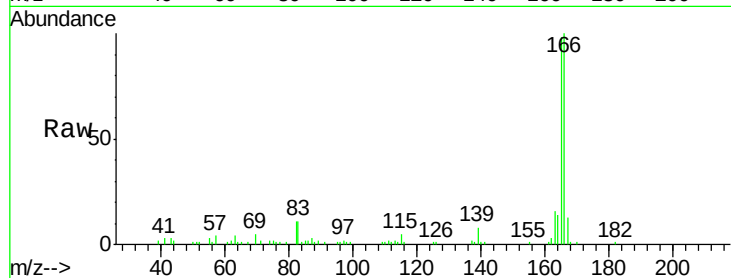
#57
Fluorene
 Concen: 2.462 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF103767.D
 Acq: 19 Mar 2018 20:30

Instrument :
 BNA_F
 ClientSampleId :
 ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.8	119.8
167	13.2	10.6	16.0

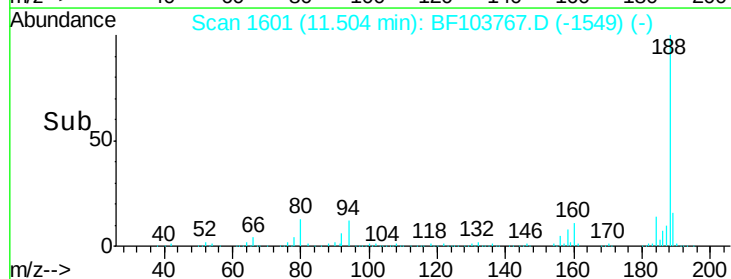
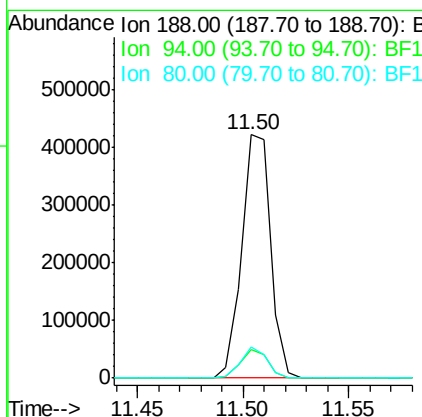
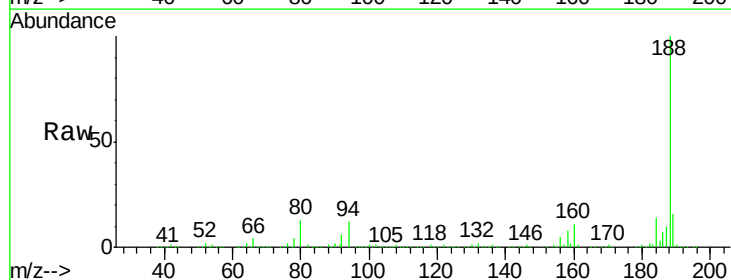
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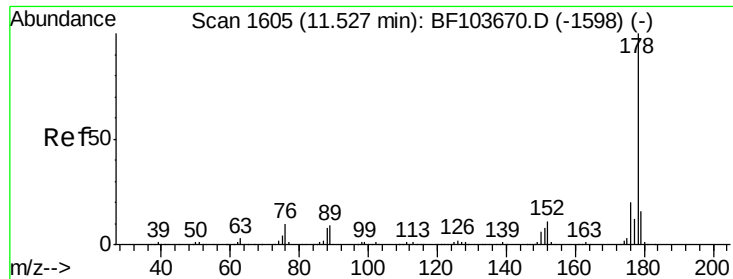
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103767.D
 Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.8	9.2	13.8





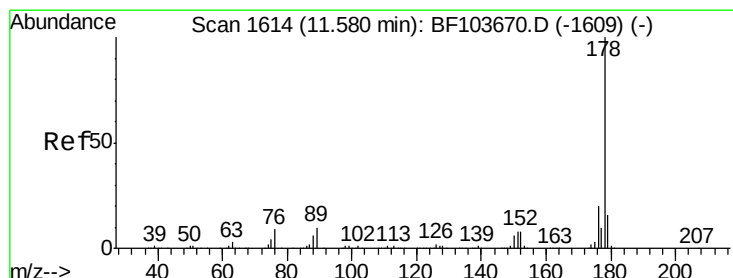
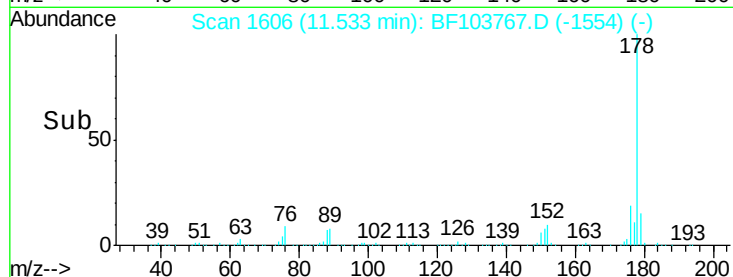
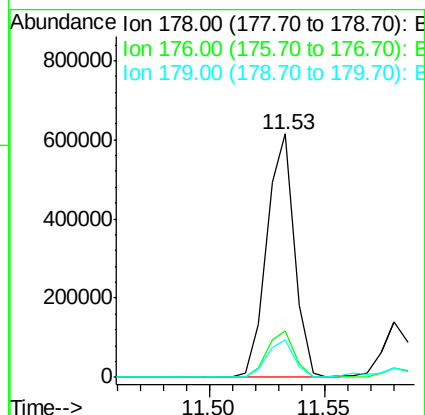
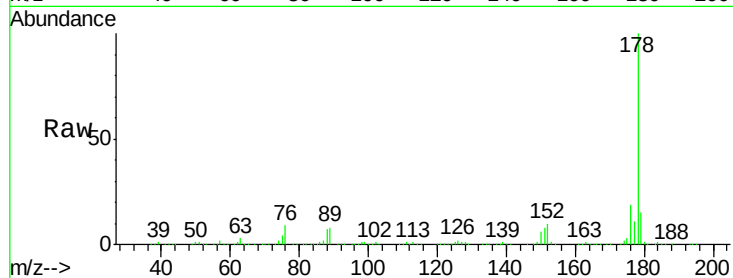
#70
Phenanthrene
Concen: 23.499 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	13.0	19.6

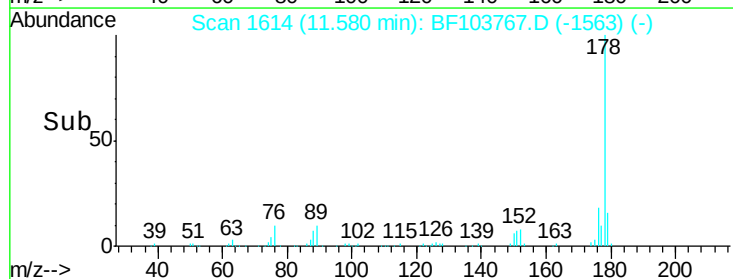
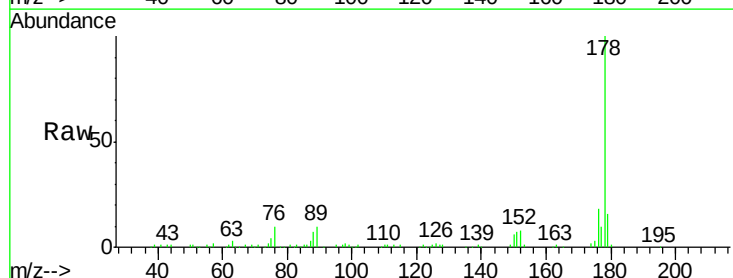
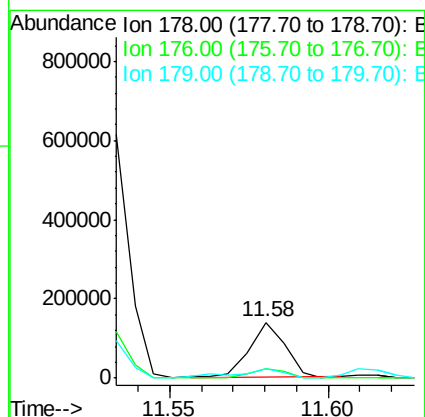
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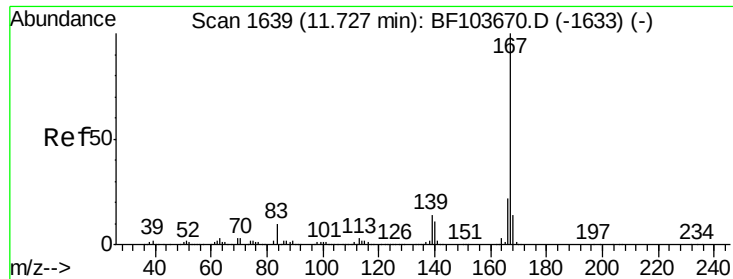
Sohil
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#71
Anthracene
Concen: 4.882 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	16.0	12.6	19.0





#72

Carbazole

Concen: 3.234 ng

RT: 11.73 min Scan# 1640

Delta R.T. 0.01 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Instrument :

BNA_F

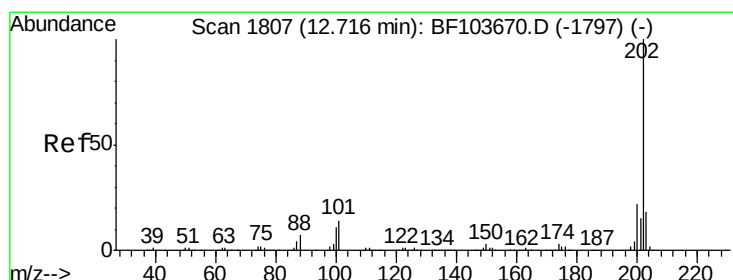
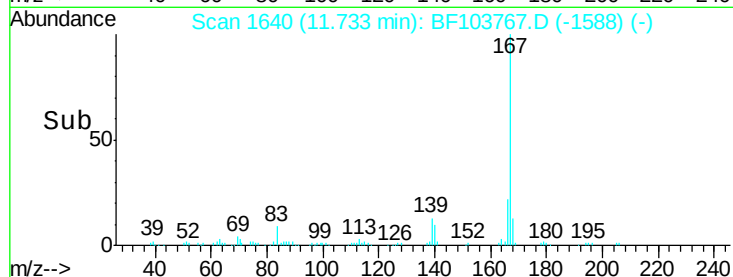
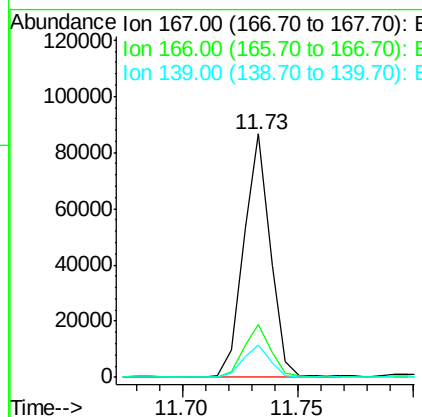
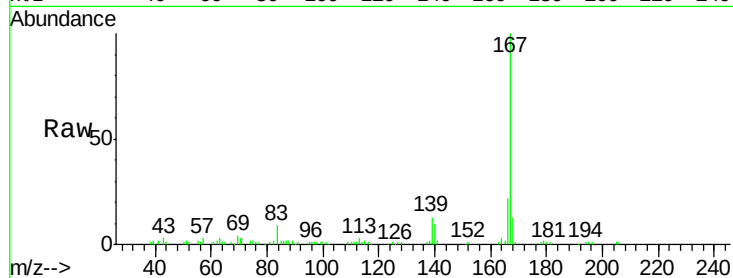
ClientSampleId :

ES-6-SA-3-WW@4.5

Tot Ion:	167	Resp:	69683
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.2	10.9	16.3

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#74

Fluoranthene

Concen: 26.628 ng

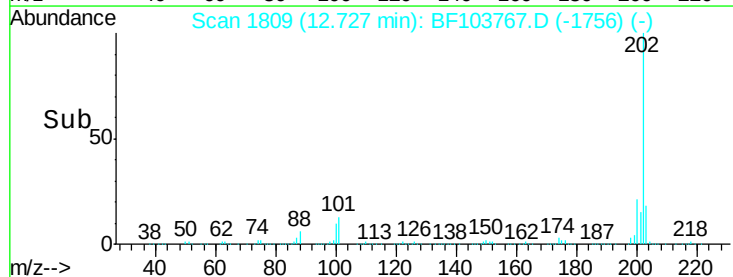
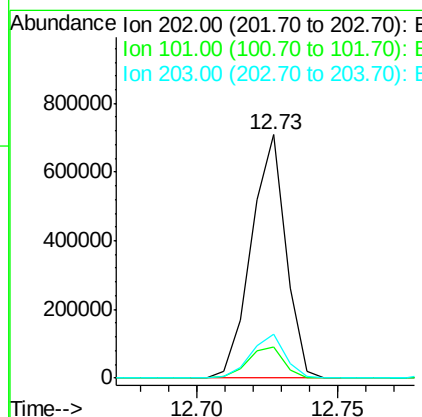
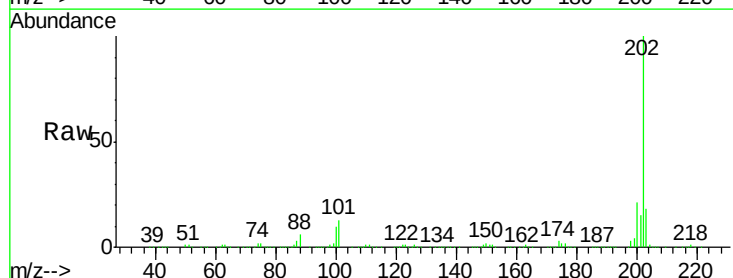
RT: 12.73 min Scan# 1809

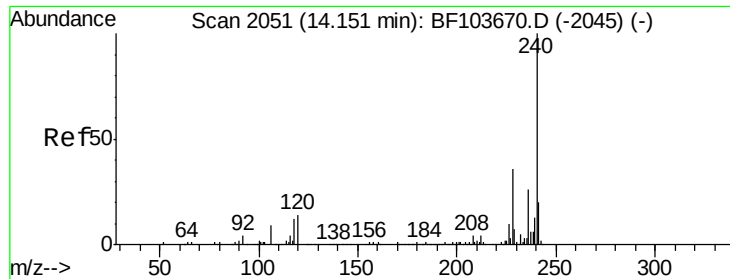
Delta R.T. 0.01 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Tgt Ion:	202	Resp:	598795
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Instrument :

BNA_F

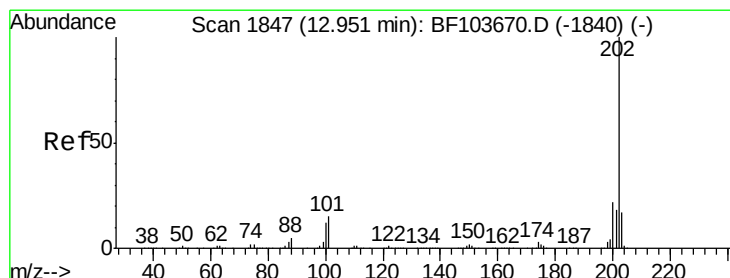
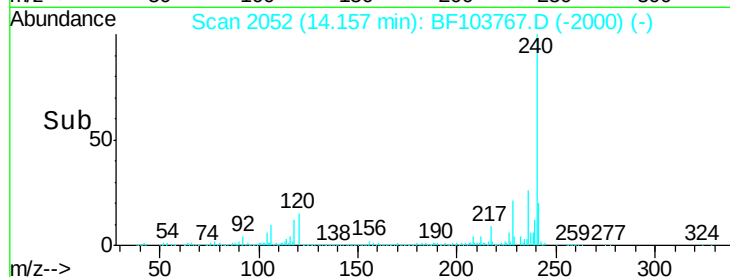
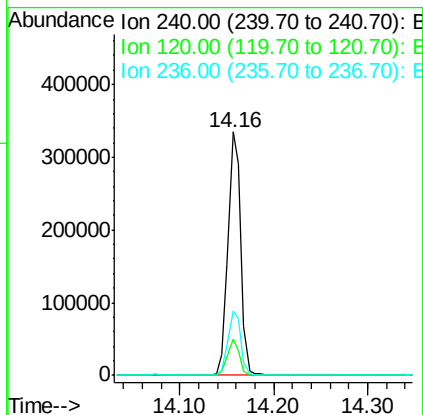
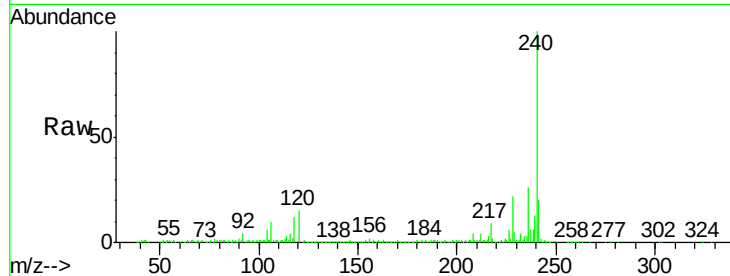
ClientSampleId :

ES-6-SA-3-WW@4.5

Tot Ion:	240	Resp:	316902
Ion Ratio	Lower	Upper	
240	100		
120	15.1	9.5	14.3#
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 22.425 ng

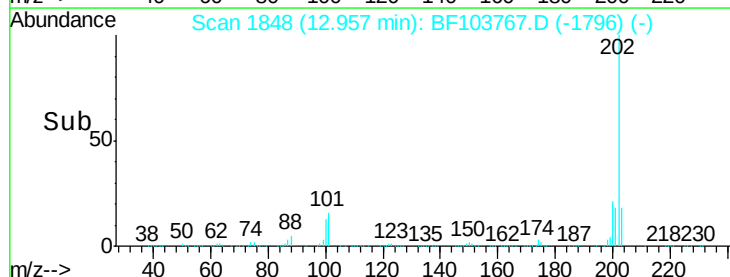
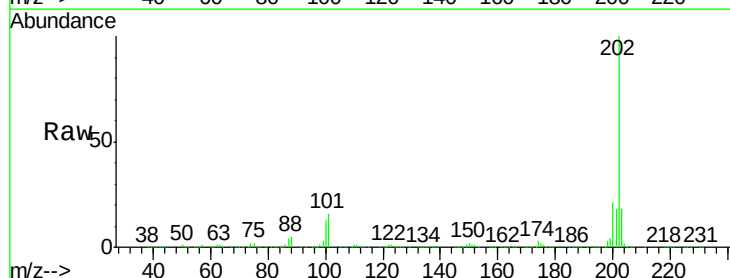
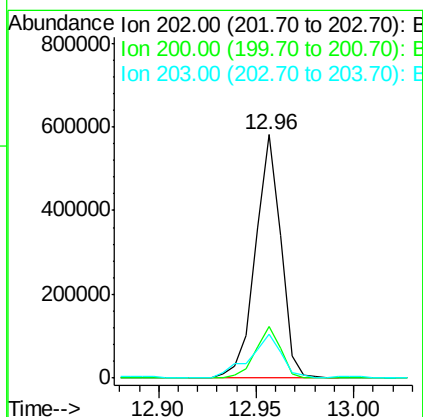
RT: 12.96 min Scan# 1848

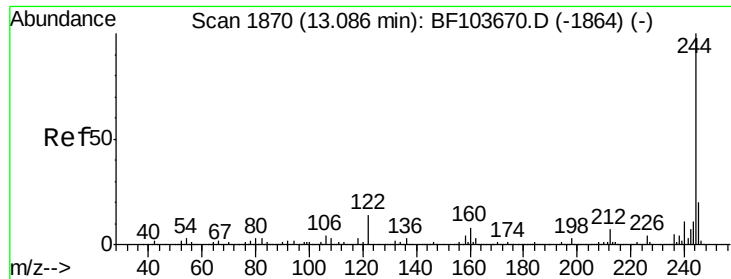
Delta R.T. 0.01 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Tgt Ion:	202	Resp:	521903
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.1	14.3	21.5





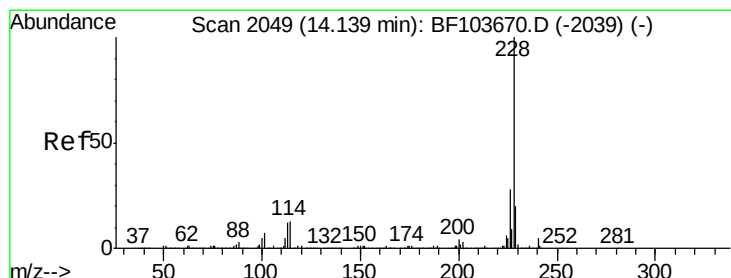
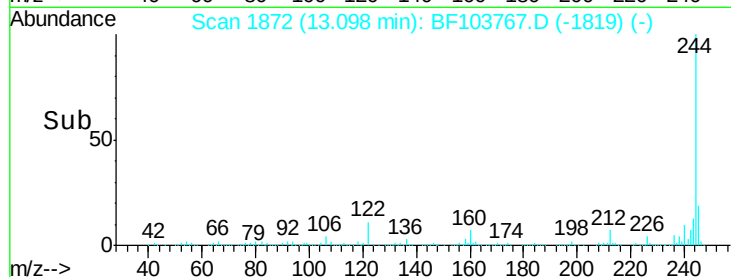
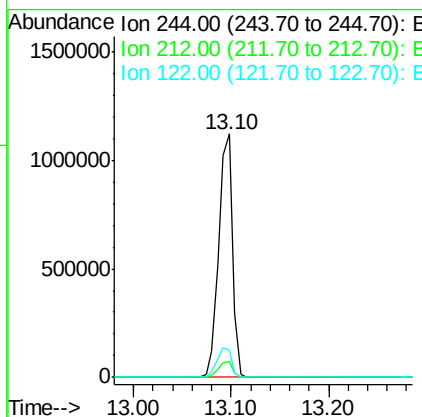
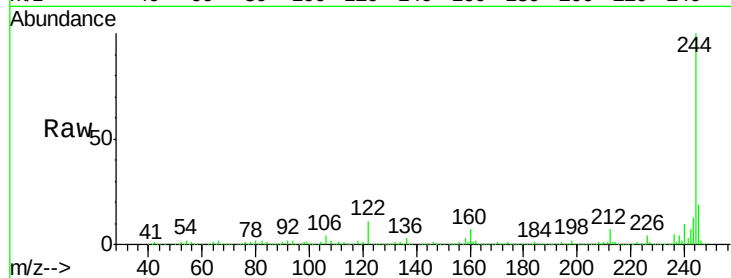
#78
 Terphenyl-d14
 Concen: 80.829 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.01 min
 Lab File: BF103767.D
 Acq: 19 Mar 2018 20:30

Instrument :
 BNA_F
 ClientSampleId :
 ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.5	11.0	16.4

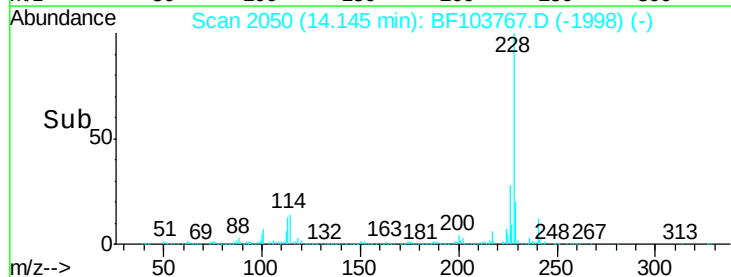
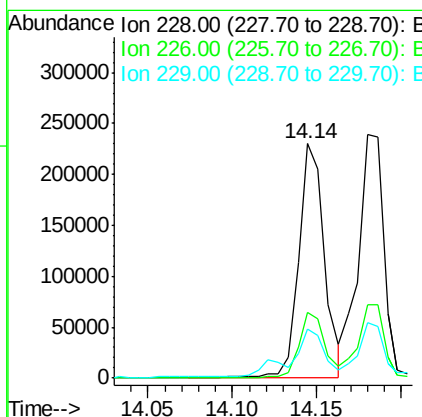
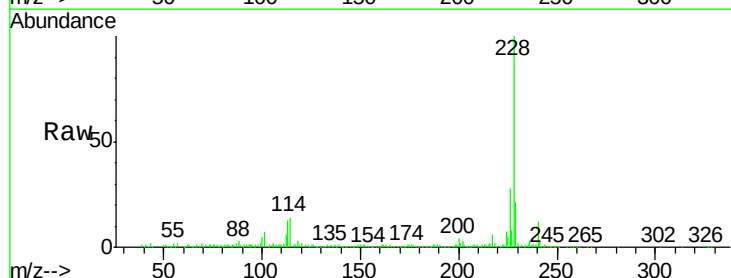
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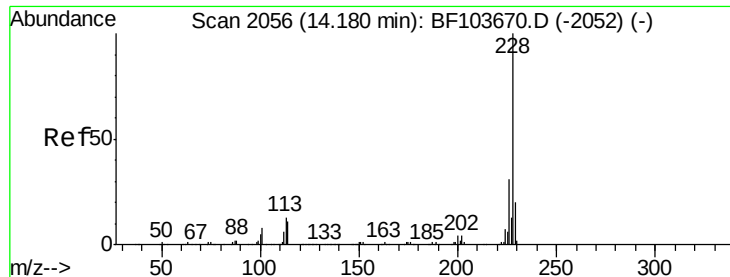
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#80
 Benzo(a)anthracene
 Concen: 12.049 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: BF103767.D
 Acq: 19 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 13.092 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Instrument :

BNA_F

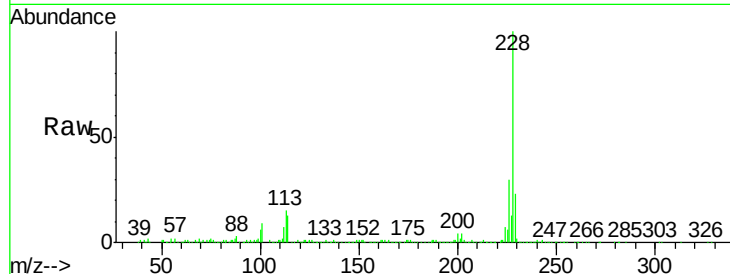
ClientSampleId :

ES-6-SA-3-WW@4.5

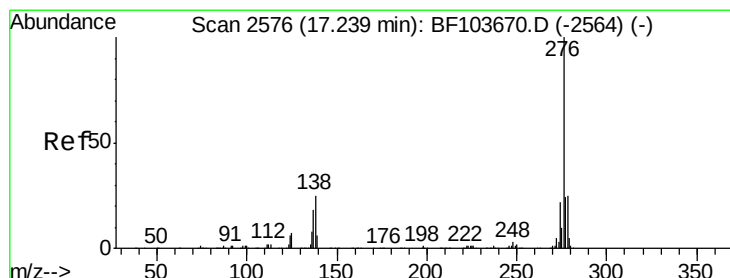
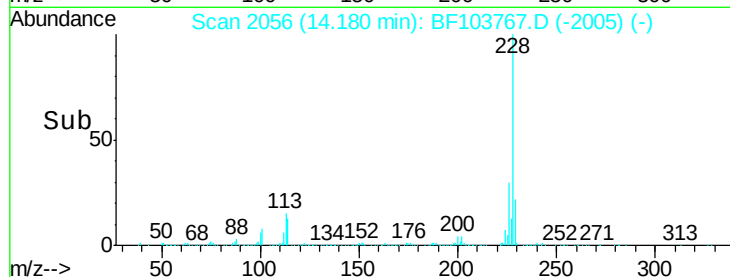
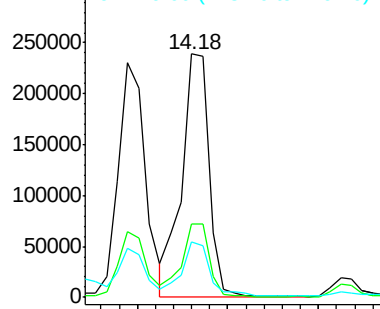
Tot Ion:	228	Resp:	250350
Ion Ratio		Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.7	16.2	24.4

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.954 ng

RT: 17.26 min Scan# 2580

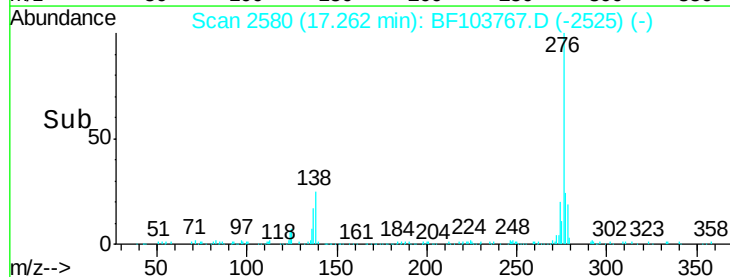
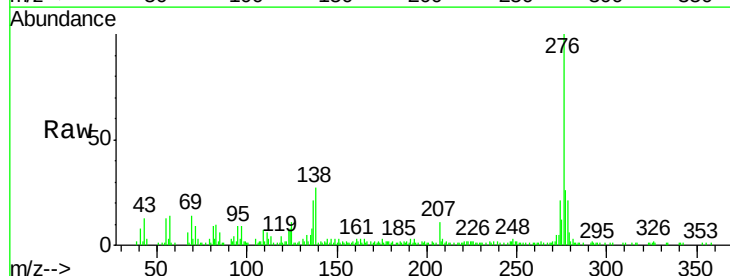
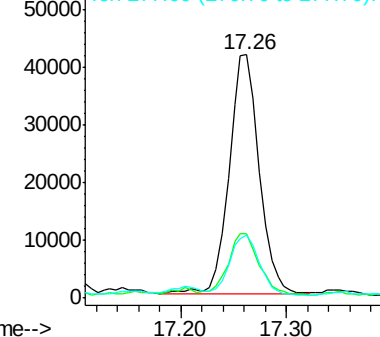
Delta R.T. 0.02 min

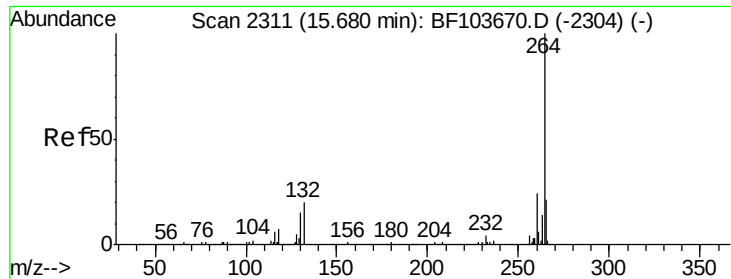
Lab File: BF103767.D

Acq: 19 Mar 2018 20:30

Tgt Ion:	276	Resp:	82726
Ion Ratio		Lower	Upper
276	100		
138	26.4	25.0	37.6
277	24.6	20.1	30.1

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





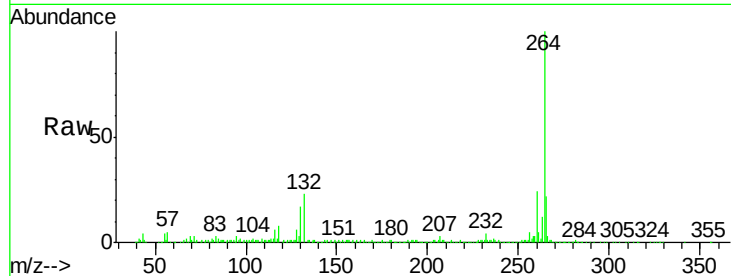
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.5	26.3

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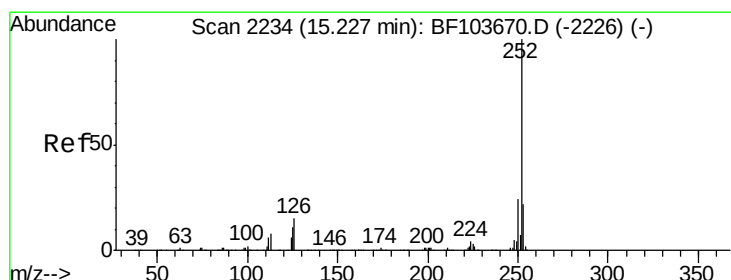
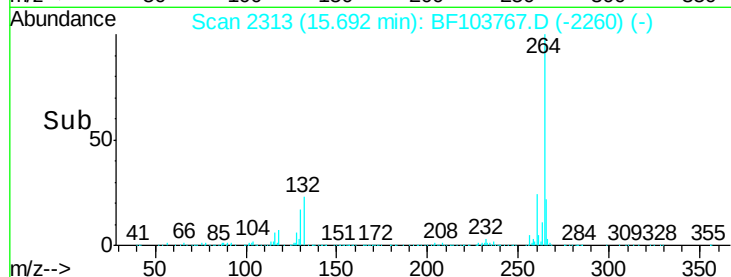
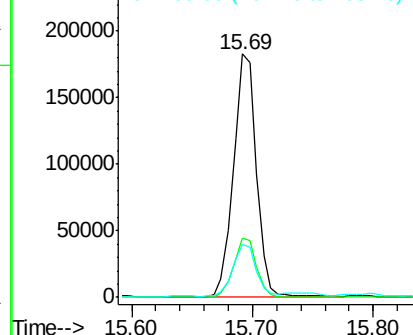


Abundance

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: 16.313 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

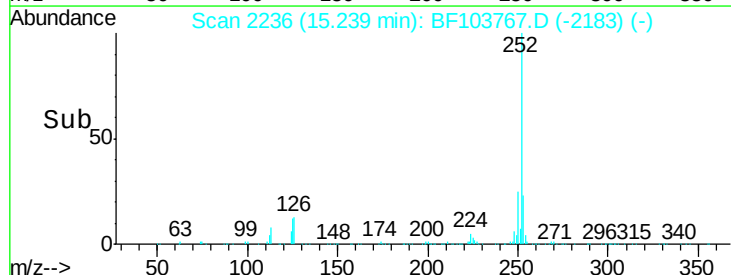
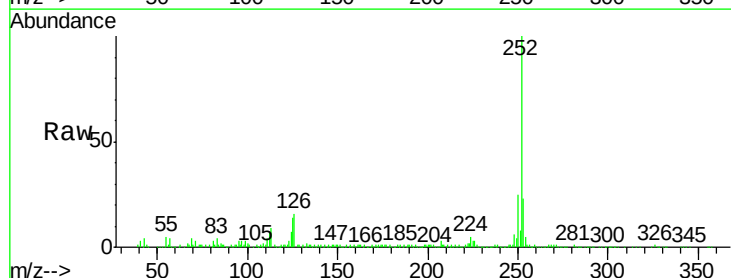
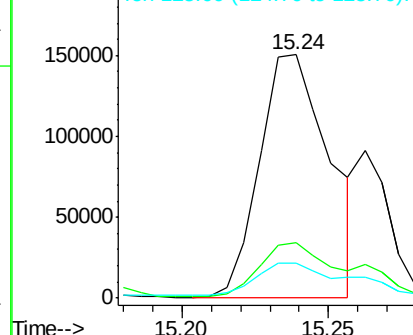
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	14.4	9.0	13.6

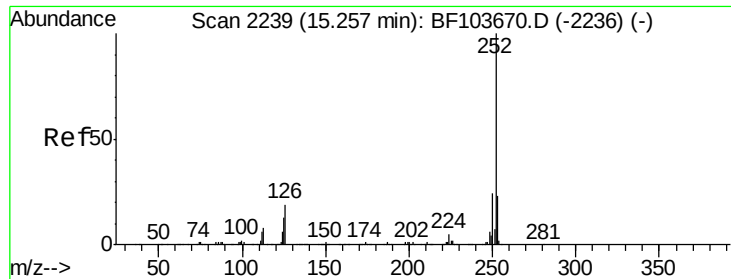
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





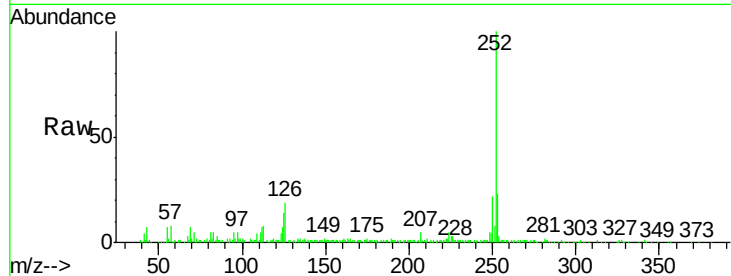
#88
Benzo(k)fluoranthene
Concen: 4.651 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :
ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	14.1	10.2	15.2

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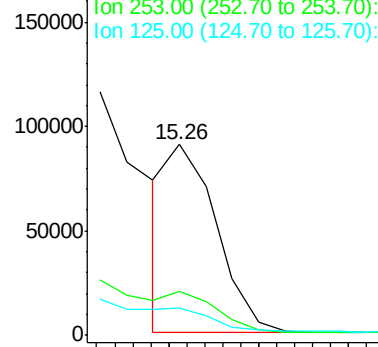


Abundance

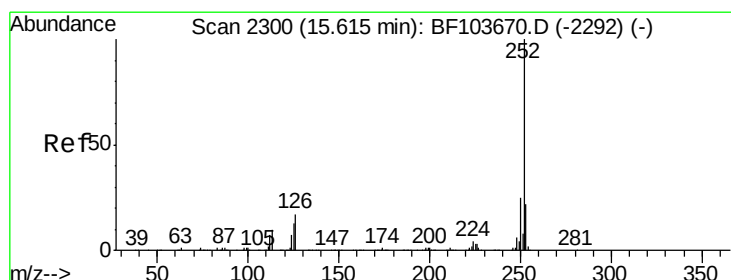
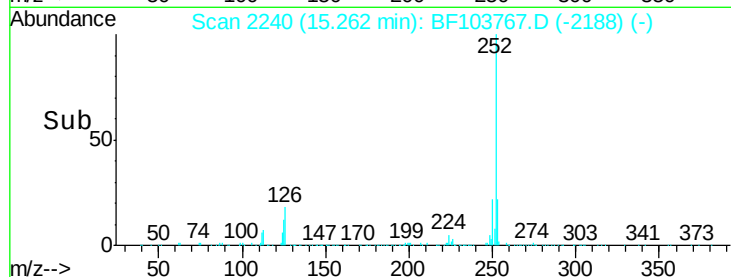
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89
Benzo(a)pyrene
Concen: 10.764 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103767.D
Acq: 19 Mar 2018 20:30

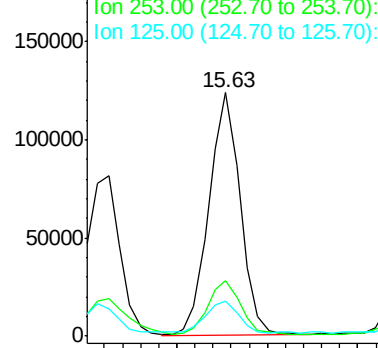
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.3	9.8	14.6

Abundance

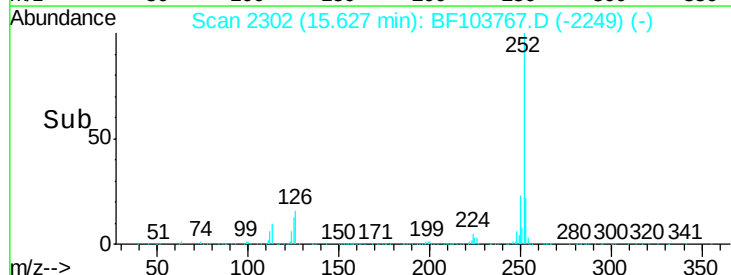
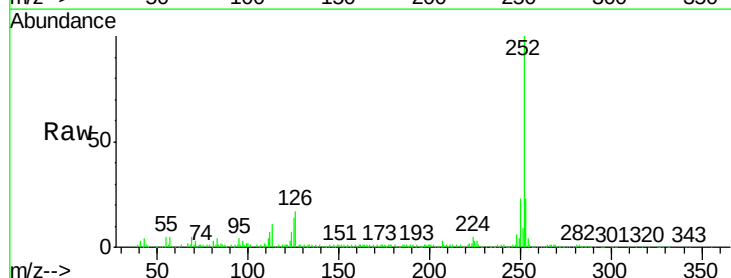
Ion 252.00 (251.70 to 252.70): E

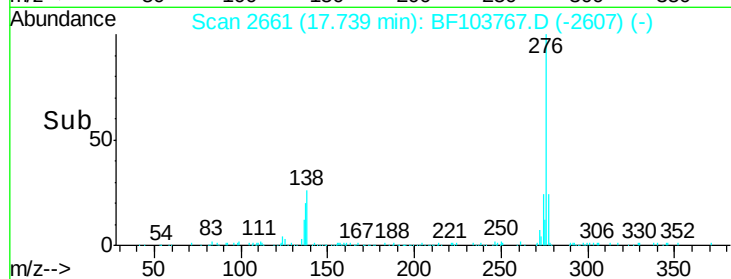
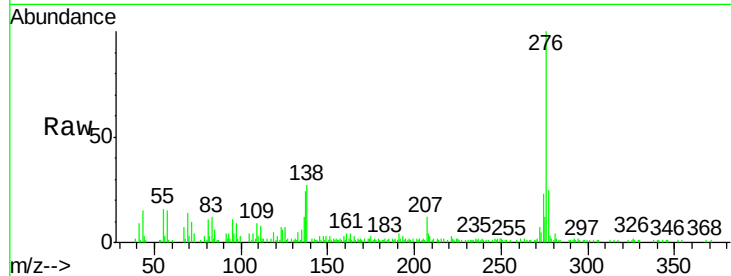
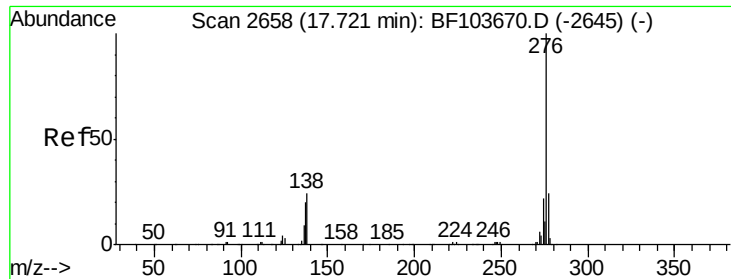
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#91
 Benzo(a,h,i)perylene
 Concen: 6.571 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. 0.02 min
 Lab File: BF103767.D
 Acq: 19 Mar 2018 20:30

Instrument :
 BNA_F
 ClientSampleId :
 ES-6-SA-3-WW@4.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	27.0	21.8	32.8

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