

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103340.D
 Acq On : 1 Mar 2018 16:49
 Operator : SJ/JU
 Sample : J1720-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-42

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:30:43 PM

Quant Time: Mar 02 09:57:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	143551	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	575049	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	221794	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	318374	20.00	ng	0.00
75) Chrysene-d12	14.06	240	206290	20.00	ng	0.00
86) Perylene-d12	15.57	264	150335	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1064674	112.17	ng	0.01
7) Phenol-d6	6.52	99	1241165	106.87	ng	0.00
23) Nitrobenzene-d5	7.45	82	772823	76.75	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	166174	88.51	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1017925	77.38	ng	0.00
78) Terphenyl-d14	12.99	244	672651	78.38	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.63	163	109018	6.127	ng	99
70) Phenanthrene	11.43	178	216637	12.364	ng	99
71) Anthracene	11.49	178	73383	4.084	ng	99
74) Fluoranthene	12.63	202	369720	20.999	ng	98
77) Pyrene	12.86	202	342529	21.297	ng	100
80) Benzo(a)anthracene	14.05	228	150982	11.280	ng	99
82) Chrysene	14.09	228	126320	9.720	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	48227	4.687	ng	98
87) Benzo(b)fluoranthene	15.13	252	134492m	13.606	ng	
88) Benzo(k)fluoranthene	15.15	252	35301m	3.793	ng	
89) Benzo(a)pyrene	15.50	252	88727	10.052	ng	# 92
91) Benzo(a,h,i)perylene	17.57	276	45306	6.797	ng	# 90

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

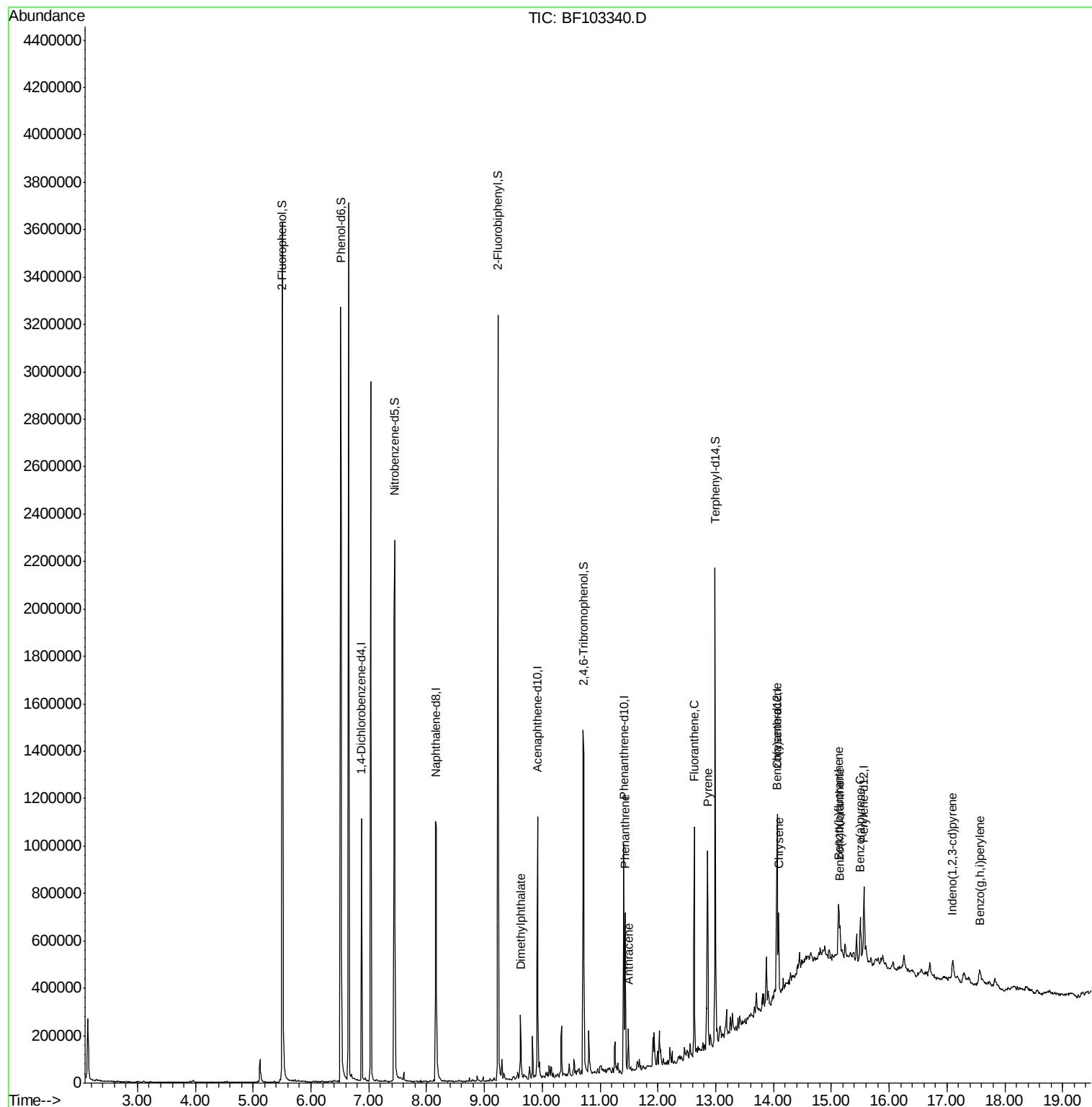
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030118\
Data File : BF103340.D
Acq On : 1 Mar 2018 16:49
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#1

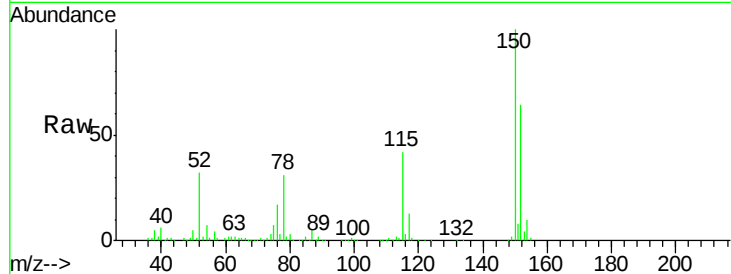
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	65.5	50.1	75.1

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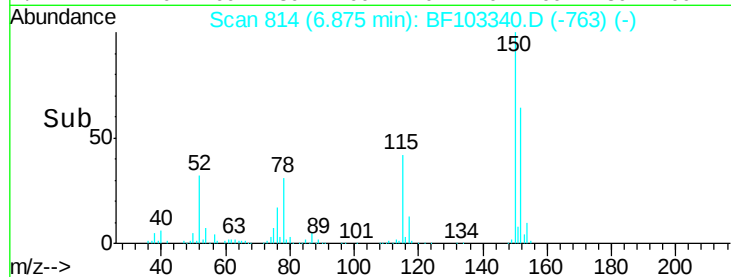
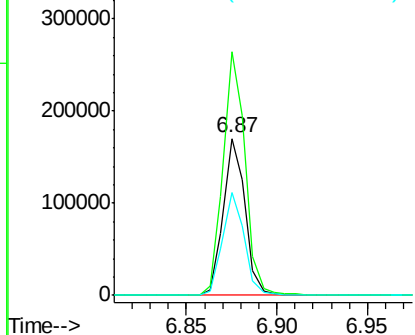


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

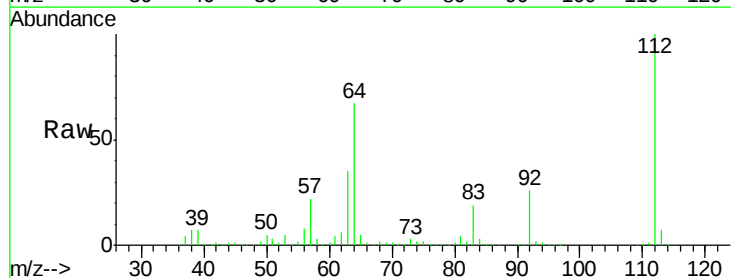
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.172 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	47.9	71.9
63	34.7	23.7	35.5

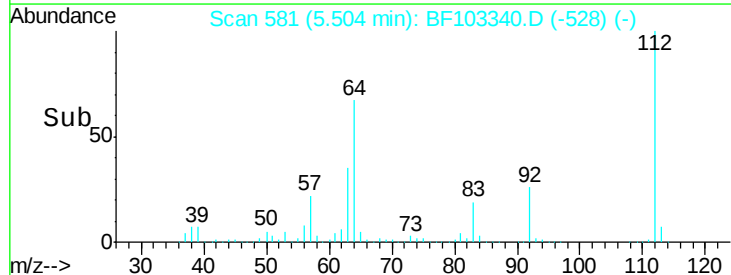
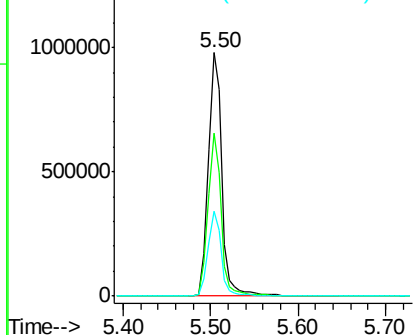


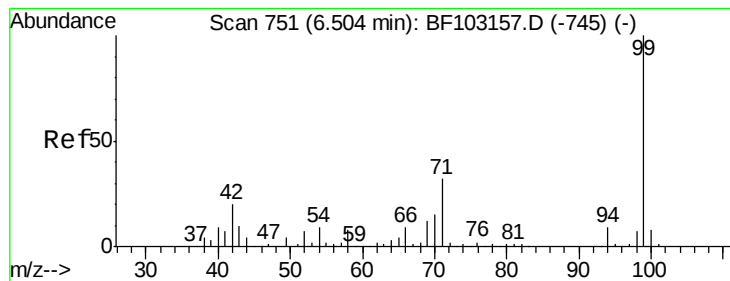
Abundance

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: 106.866 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

ClientSampled :

SP-42

Tot Ion: 99 Resp: 1241165

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

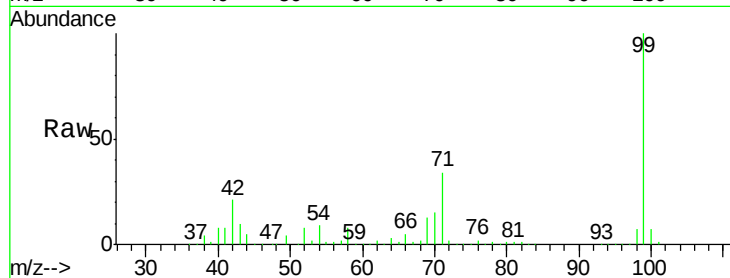
71 33.5 25.4 38.0

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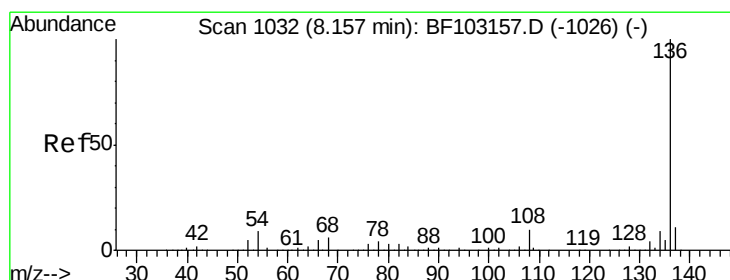
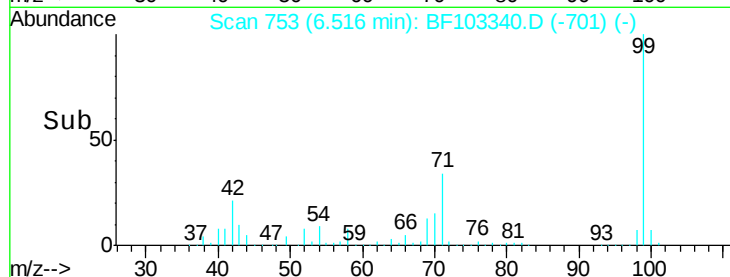
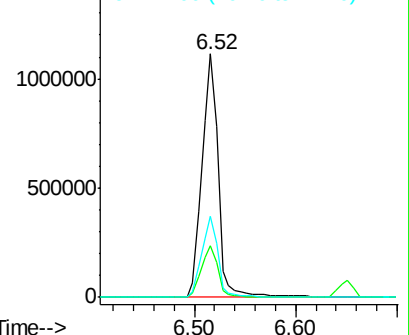
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Tgt Ion: 136 Resp: 575049

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.7 6.6 9.8

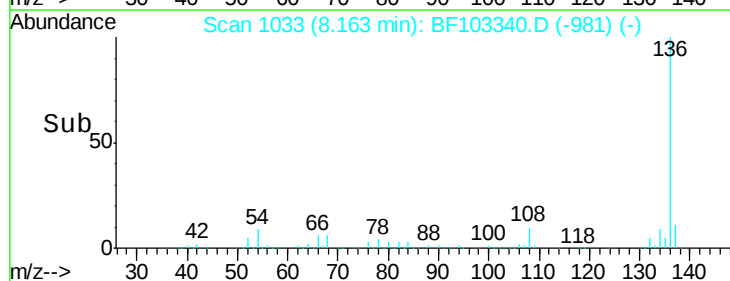
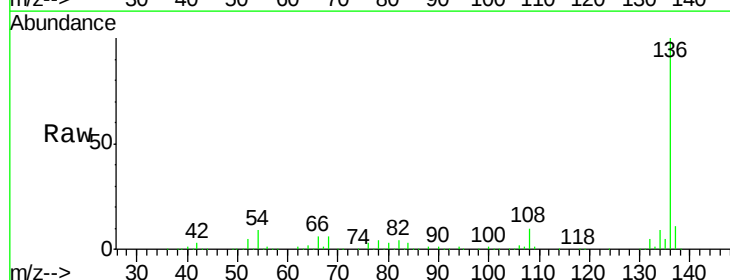
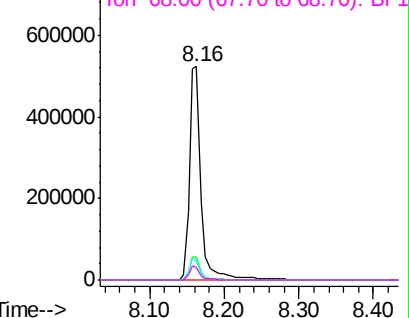
68 6.3 5.0 7.4

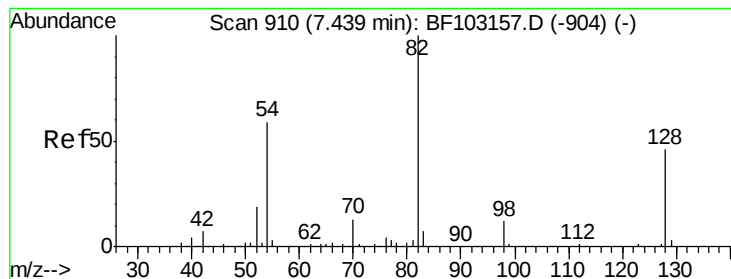
Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.749 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

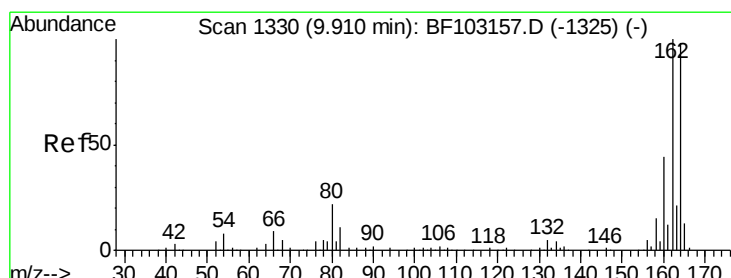
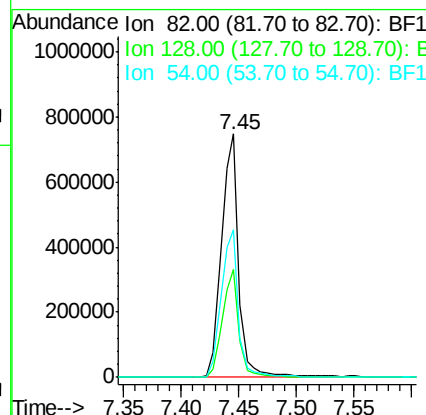
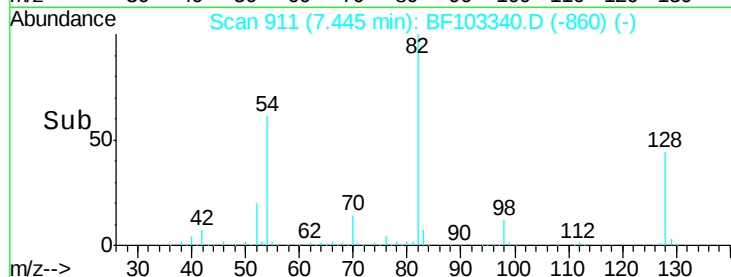
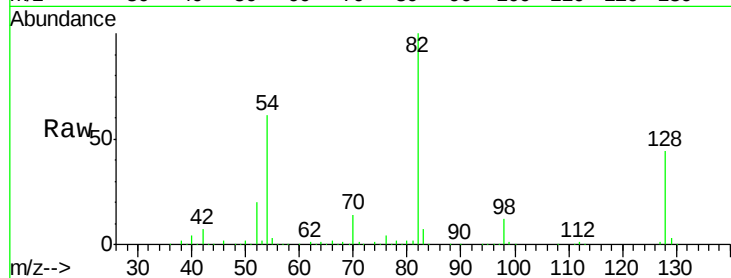
ClientSampled :

SP-42

Tot Ion:	82	Resp:	772823
Ion Ratio	Lower	Upper	
82	100		
128	44.2	36.1	54.1
54	60.6	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

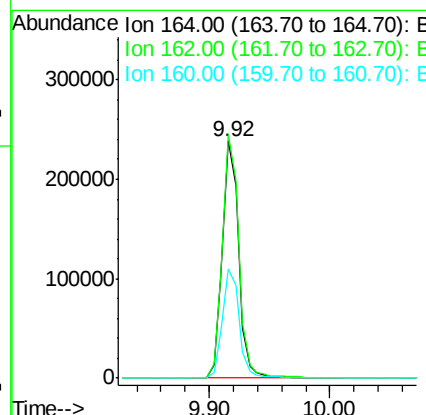
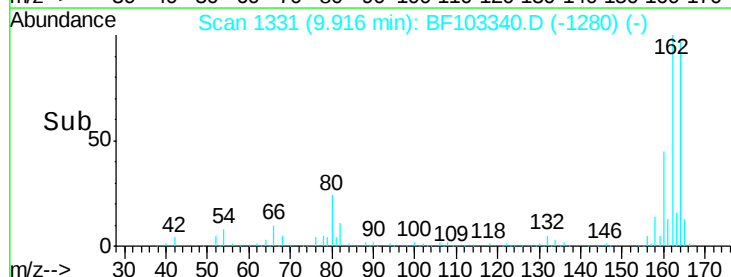
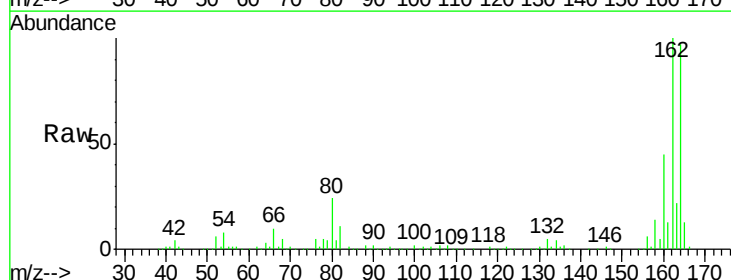
RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Tgt Ion:	164	Resp:	221794
Ion Ratio	Lower	Upper	
164	100		
162	102.7	86.1	129.1
160	45.9	38.3	57.5





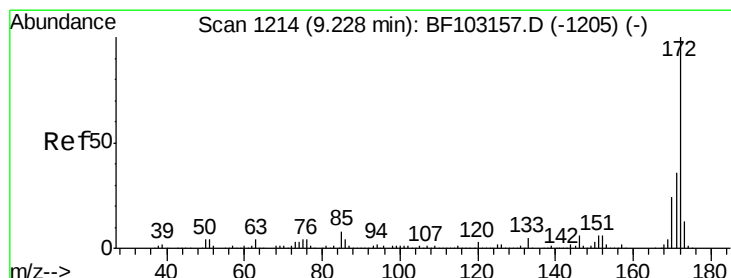
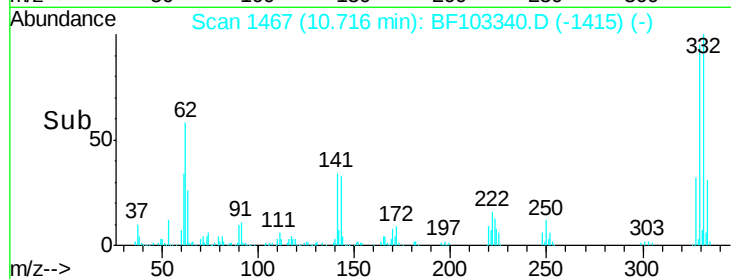
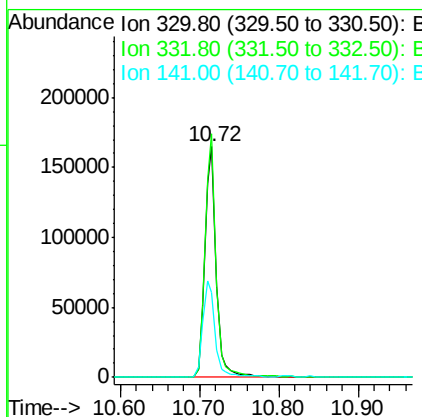
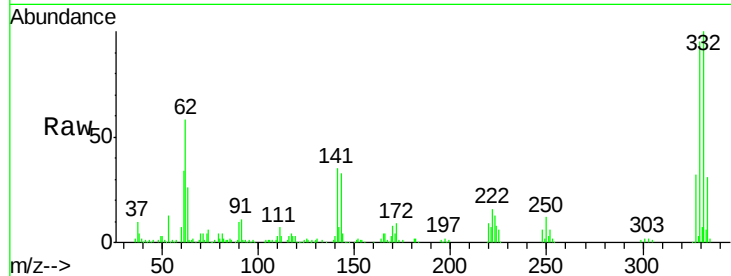
#41
 2,4,6-Tribromophenol
 Concen: 88.515 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103340.D
 Acq: 1 Mar 2018 16:49

Instrument :
 BNA_F
 ClientSampled :
 SP-42

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.1	77.0	115.6	
141	46.3	29.9	44.9	

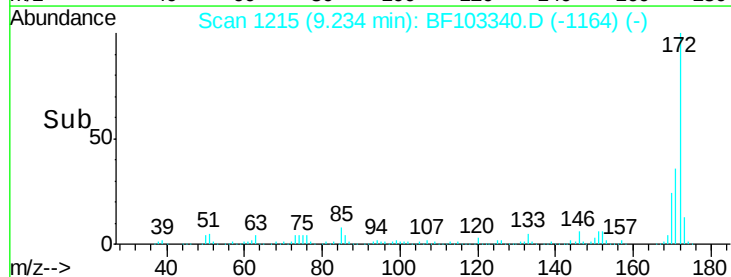
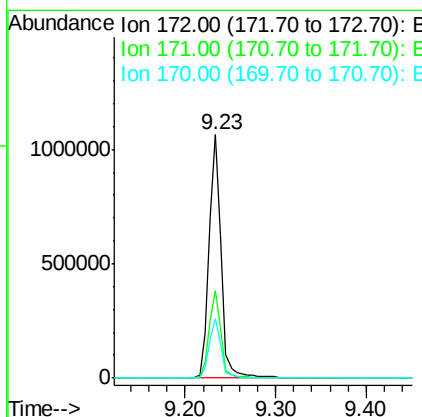
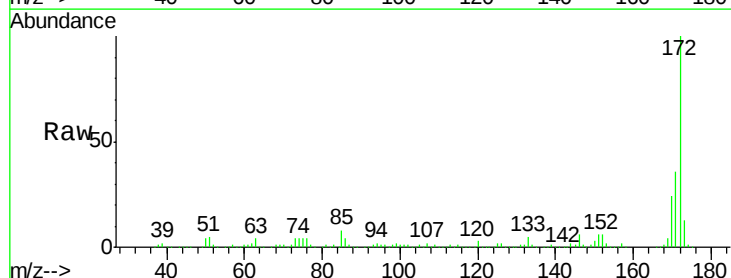
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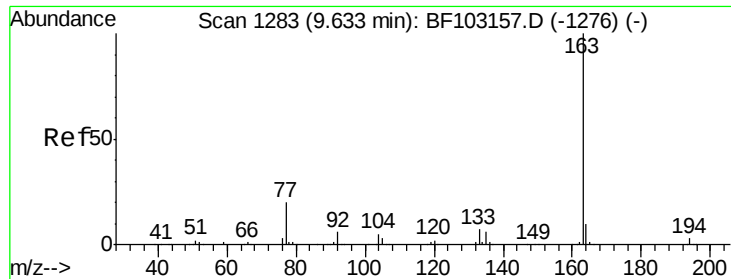
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#44
 2-Fluorobiphenyl
 Concen: 77.378 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103340.D
 Acq: 1 Mar 2018 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	24.2	19.6	29.4	





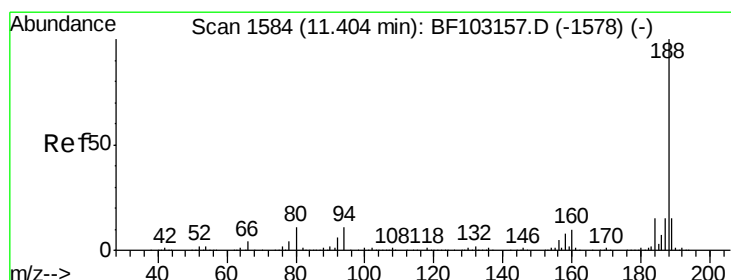
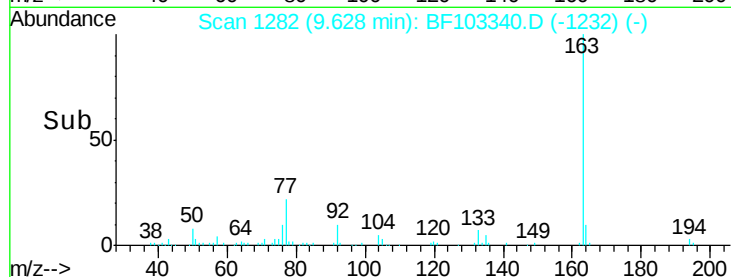
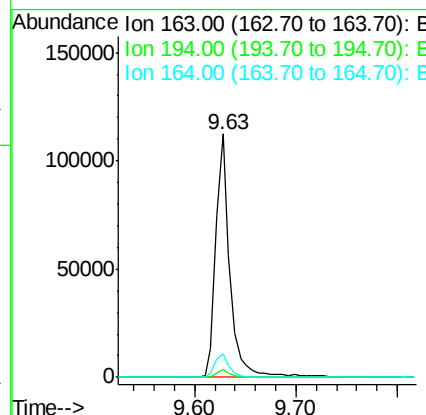
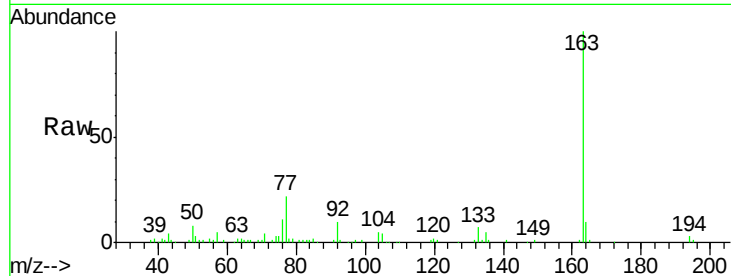
#49
Dimethylphthalate
Concen: 6.127 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampleId :
SP-42

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.7	8.2	12.2

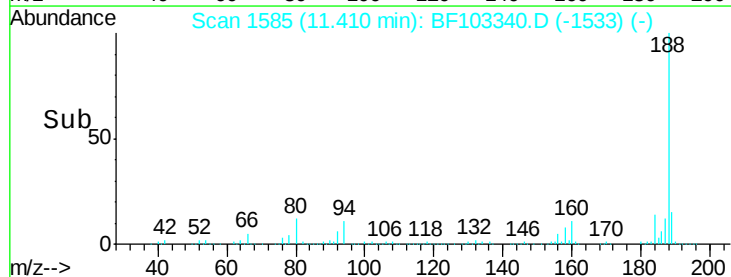
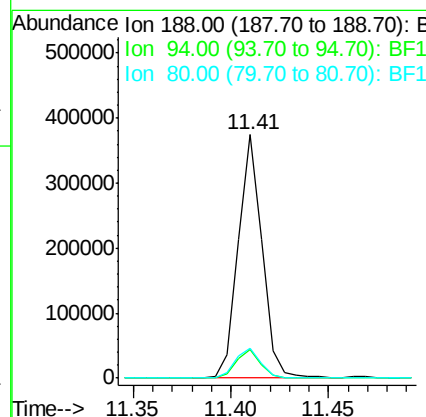
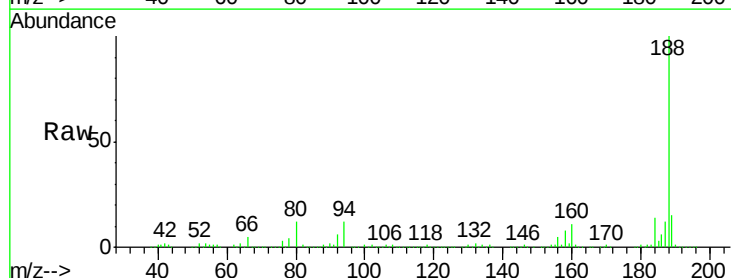
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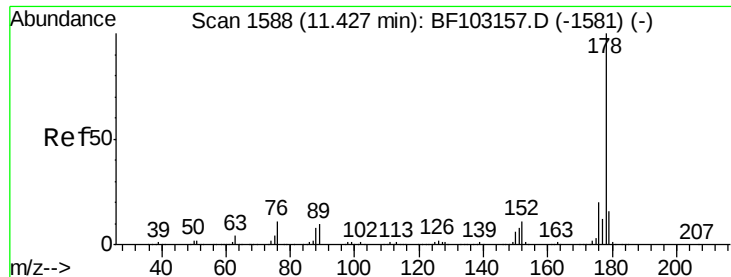
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.1	9.2	13.8





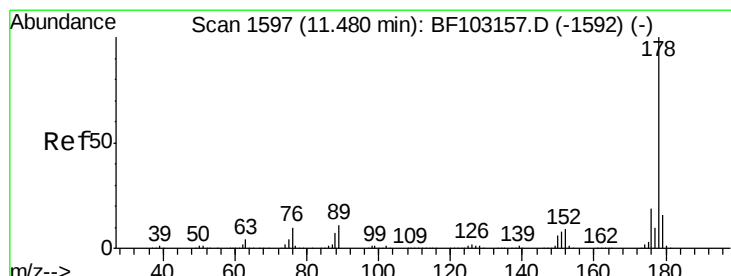
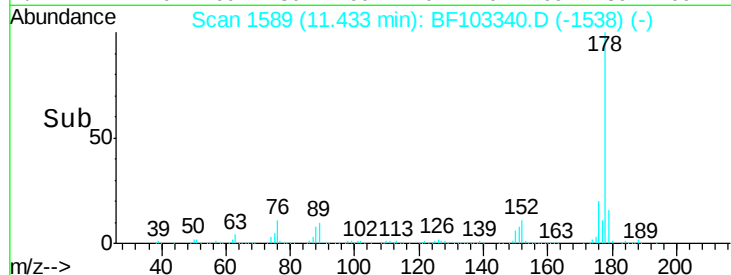
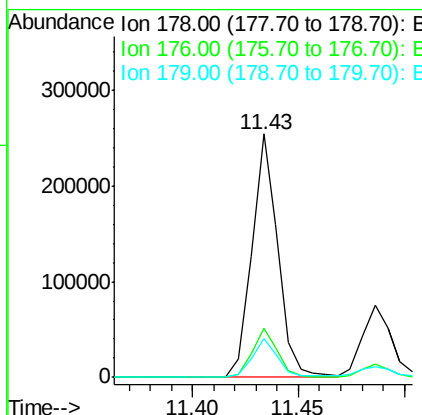
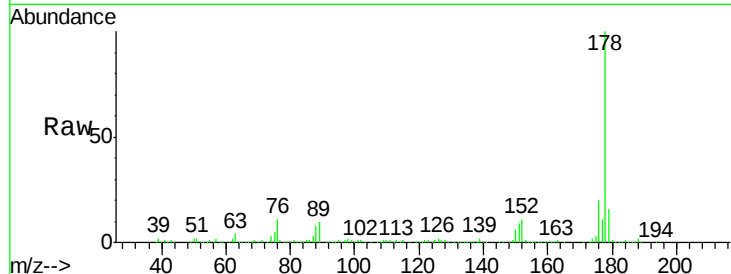
#70
Phenanthrene
Concen: 12.364 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.9	13.0	19.6

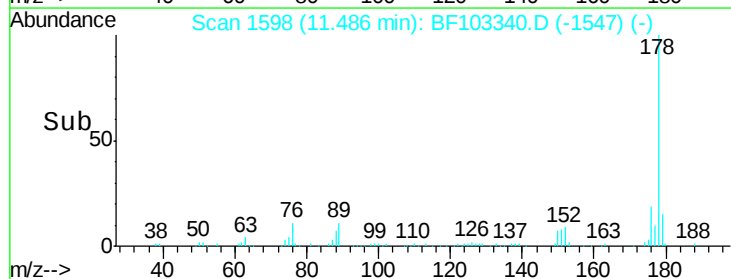
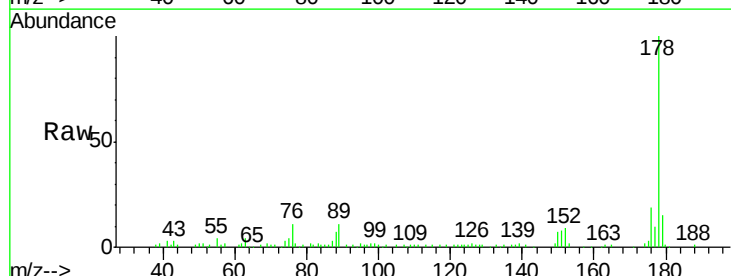
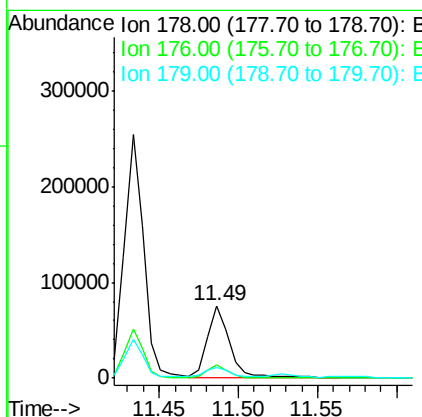
Manual Integrations
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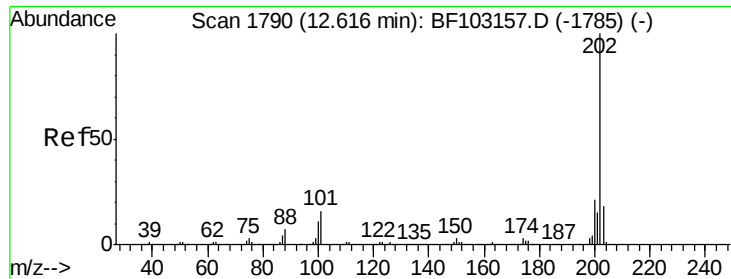
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#71
Anthracene
Concen: 4.084 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 20.999 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

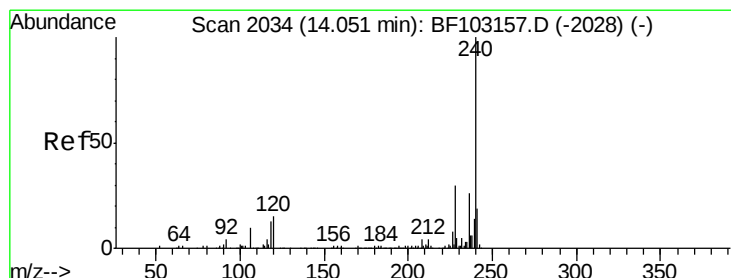
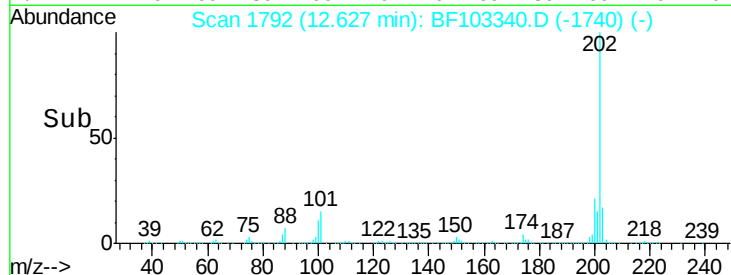
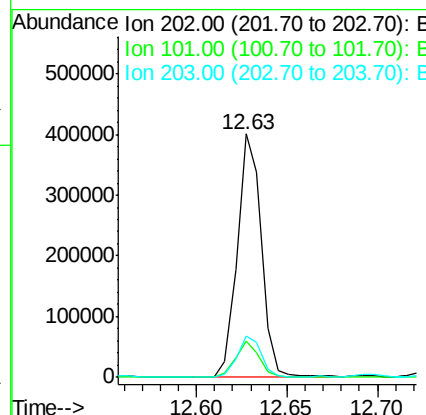
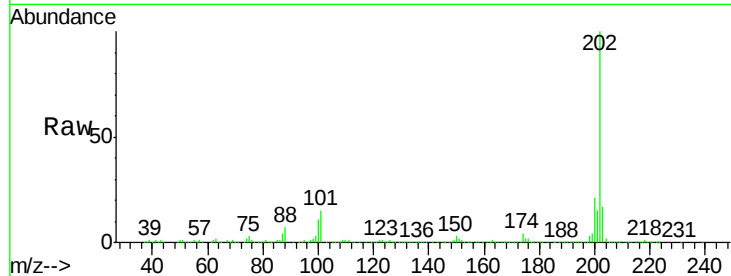
ClientSampled :

SP-42

Tot Ion:	202	Resp:	369720
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

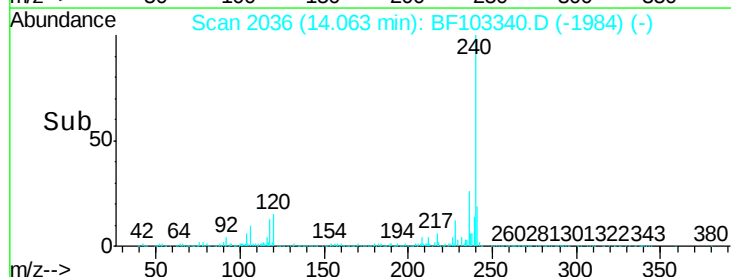
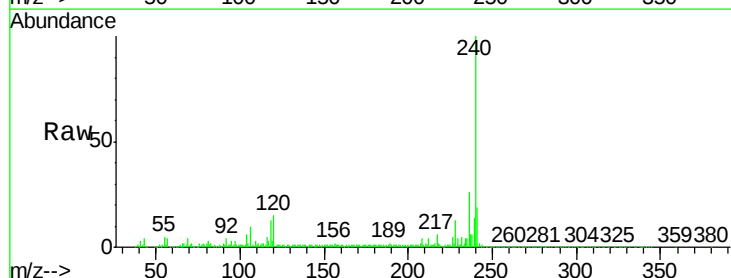
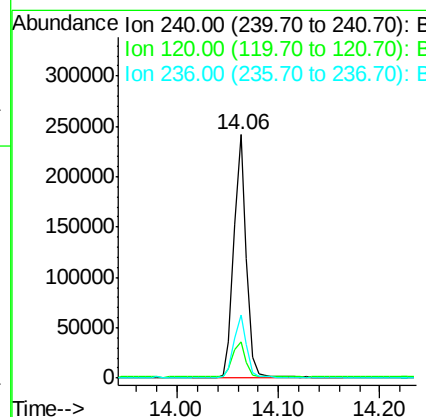
RT: 14.06 min Scan# 2036

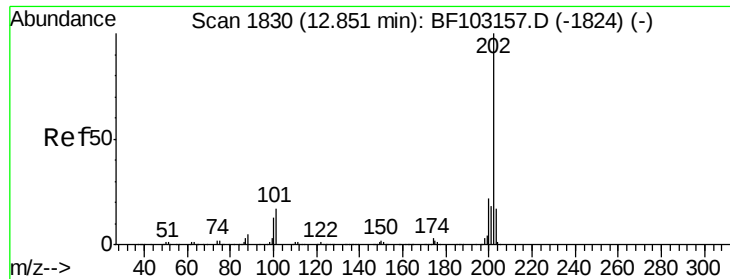
Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Tgt Ion:	240	Resp:	206290
Ion Ratio	Lower	Upper	
240	100		
120	15.0	9.5	14.3#
236	25.8	20.7	31.1





#77

Pvrene

Concen: 21.297 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

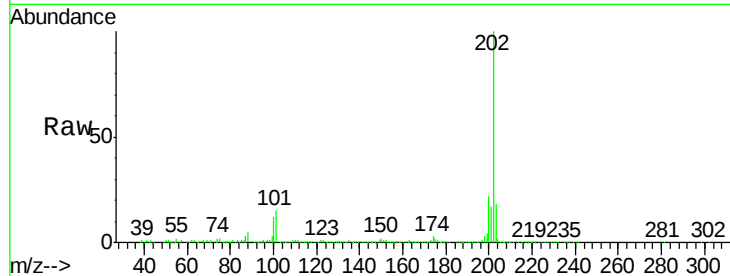
ClientSampled :

SP-42

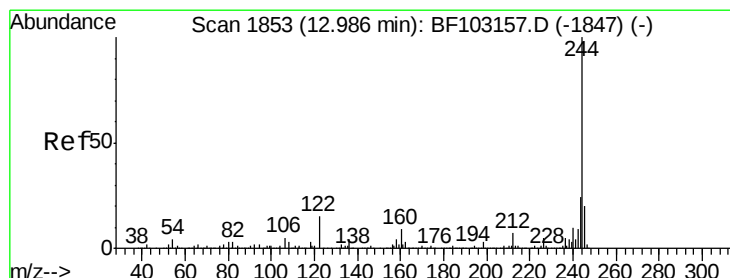
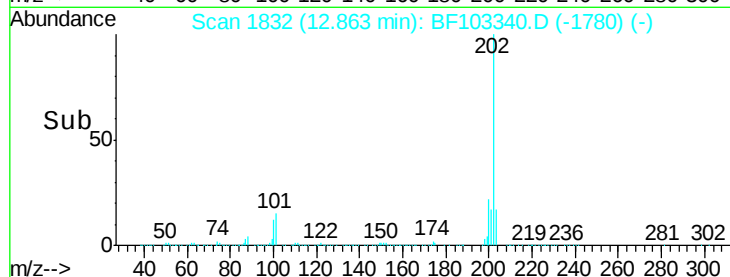
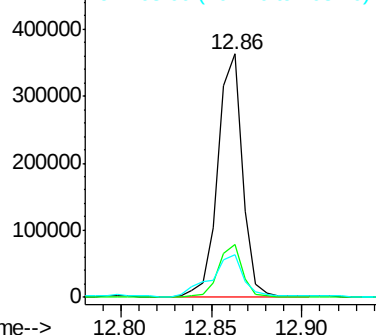
Tot Ion:	202	Resp:	342529
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.7	14.3	21.5

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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: 78.383 ng

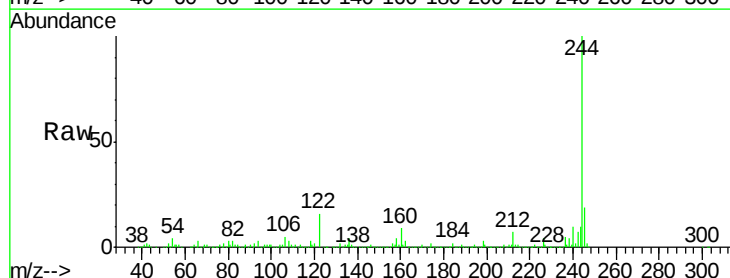
RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

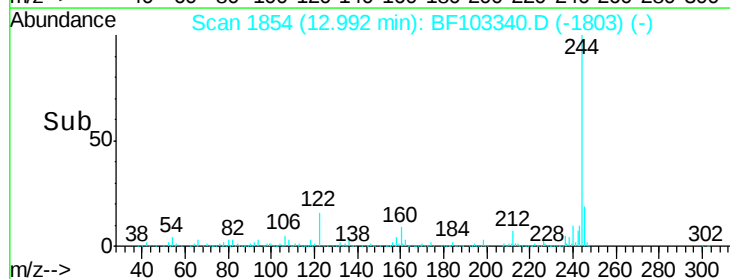
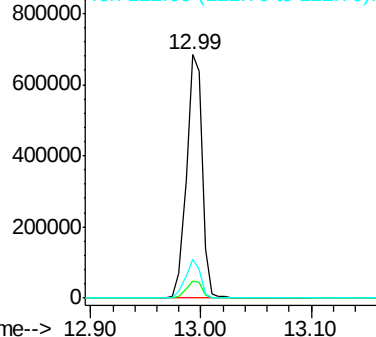
Lab File: BF103340.D

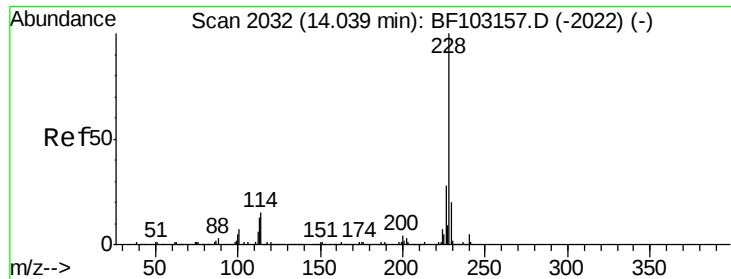
Acq: 1 Mar 2018 16:49

Tgt Ion:	244	Resp:	672651
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	15.7	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





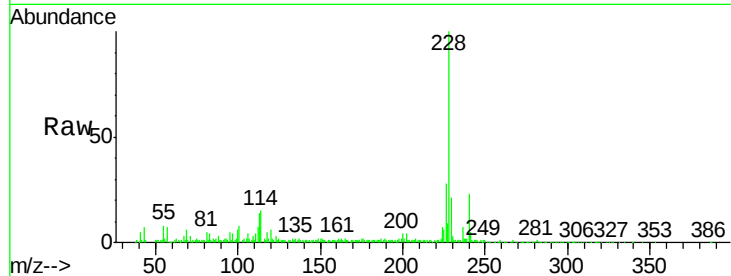
#80
Benzo(a)anthracene
Concen: 11.280 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampleId :
SP-42

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.8	15.8	23.6

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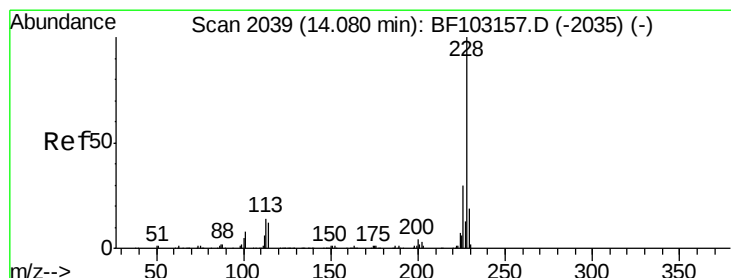
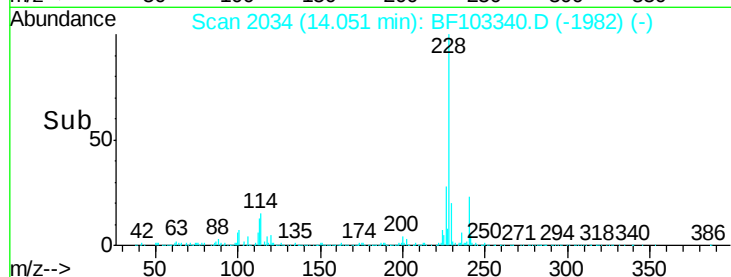
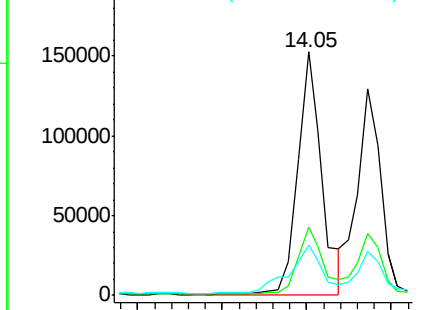


Abundance

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



#82
Chrysene
Concen: 9.720 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

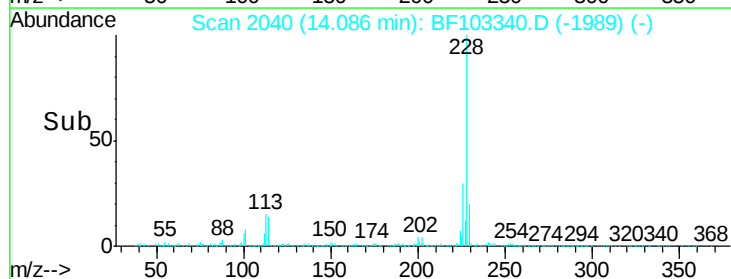
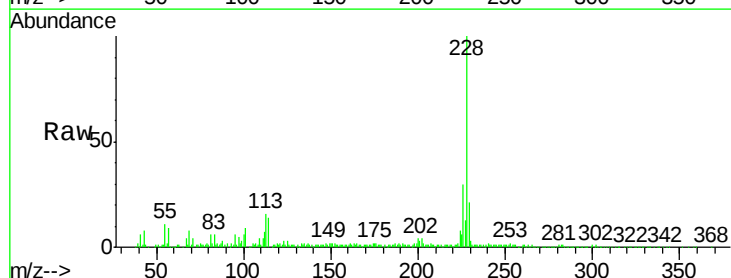
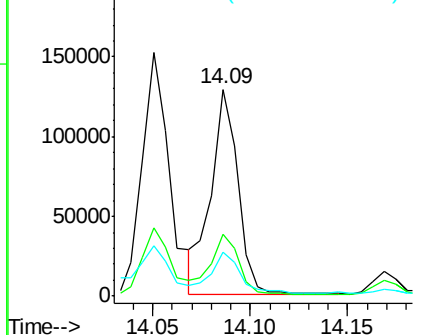
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.3	16.2	24.4

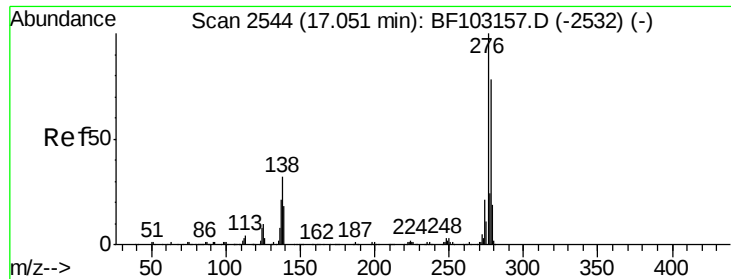
Abundance

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: 4.687 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

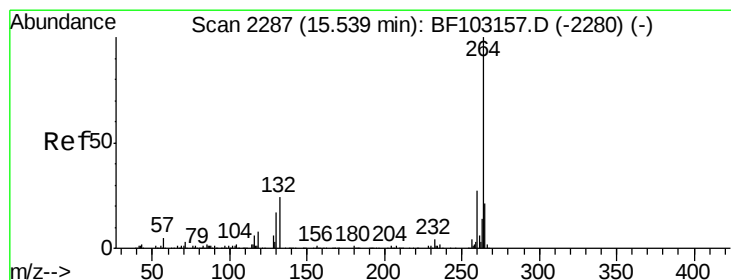
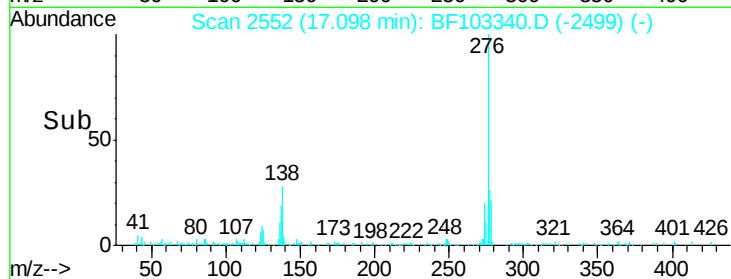
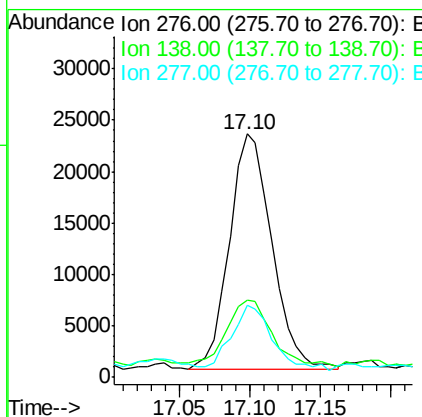
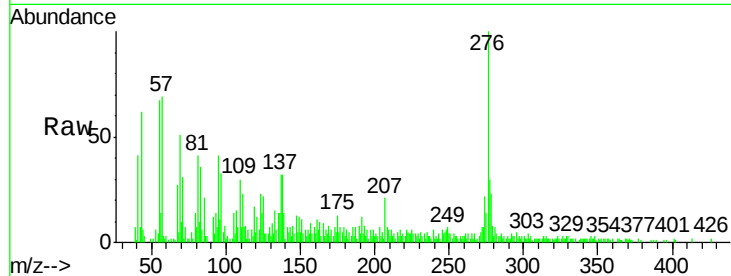
ClientSampleId :

SP-42

Tot Ion:	276	Resp:	48227
Ion Ratio	Lower	Upper	
276	100		
138	30.1	25.0	37.6
277	26.5	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

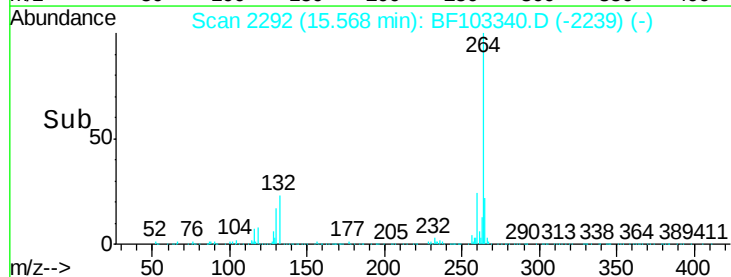
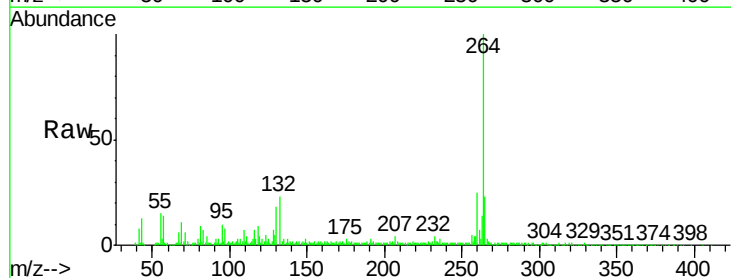
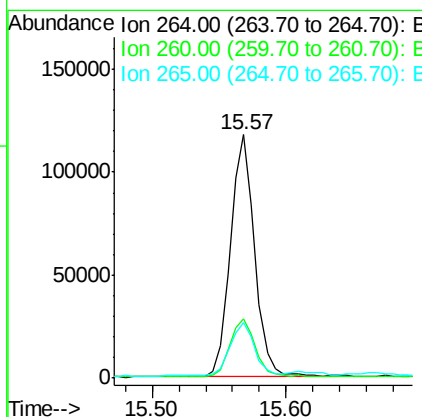
RT: 15.57 min Scan# 2292

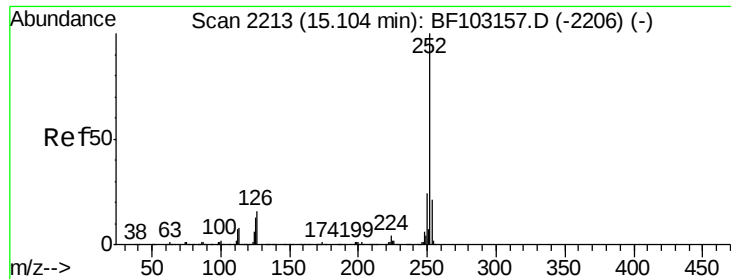
Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Tgt Ion:	264	Resp:	150335
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.606 ng m

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

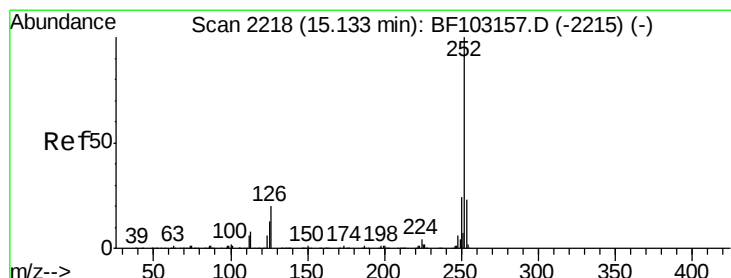
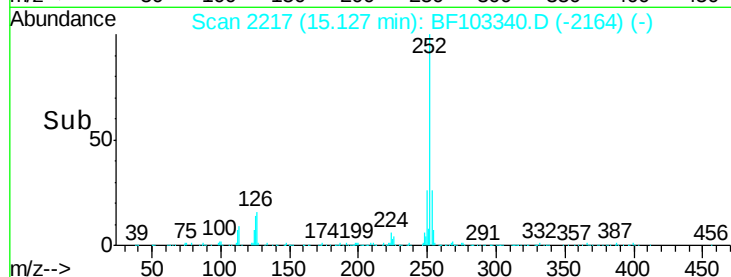
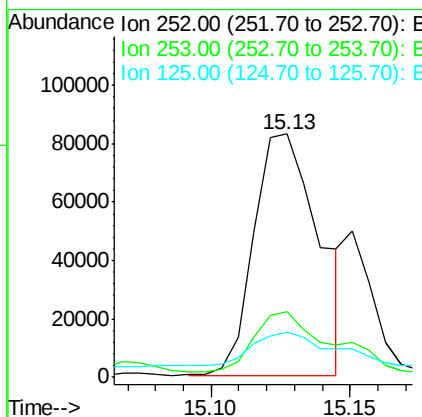
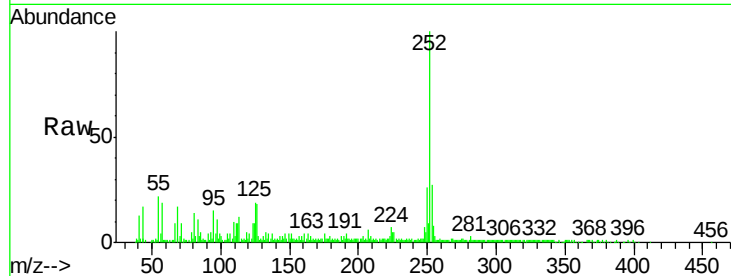
ClientSampleId :

SP-42

Tot Ion:	252	Resp:	134492
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.0	25.6#
125	18.6	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.793 ng m

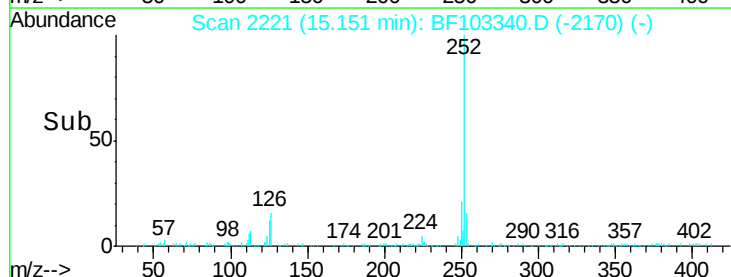
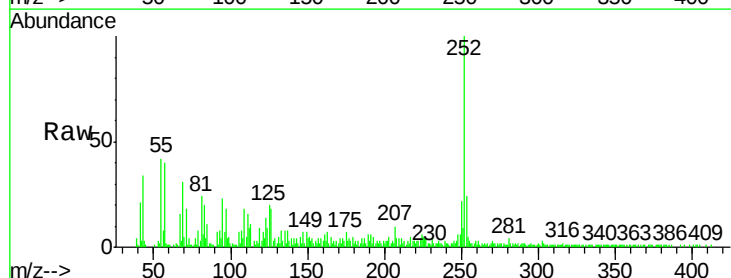
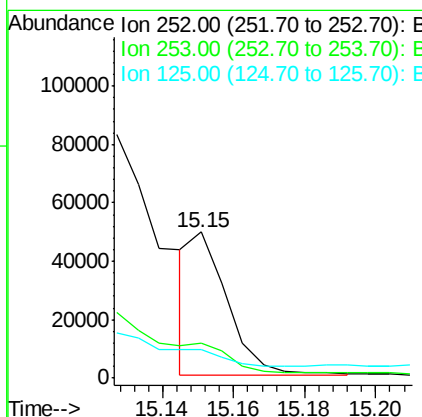
RT: 15.15 min Scan# 2221

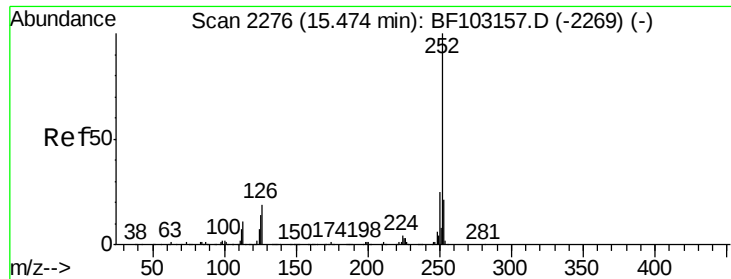
Delta R.T. 0.00 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Tgt Ion:	252	Resp:	35301
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	19.6	10.2	15.2#





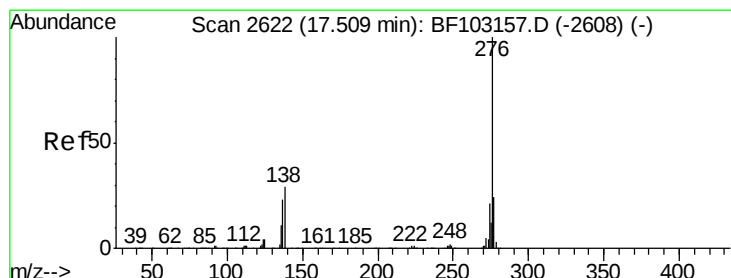
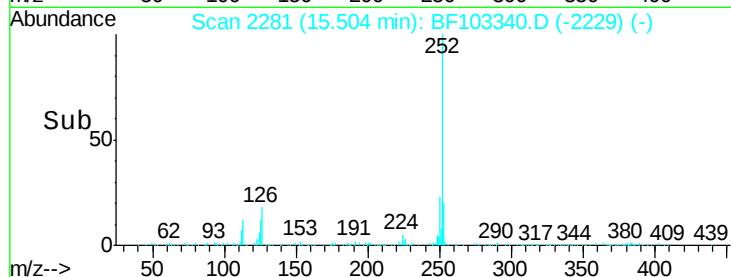
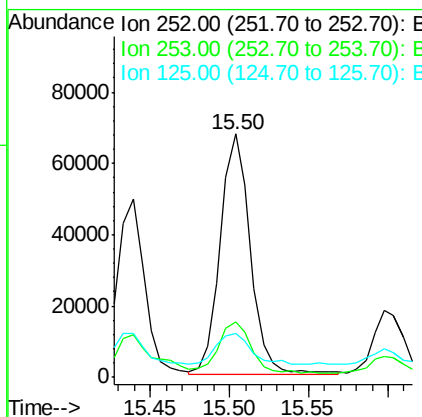
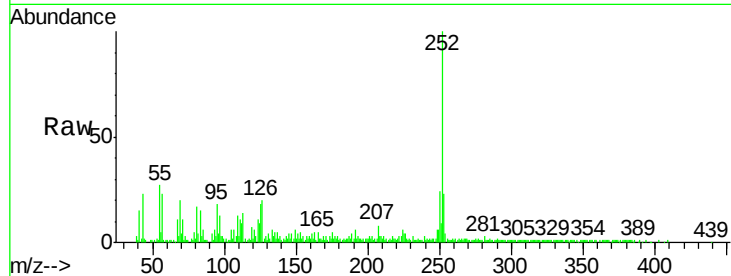
#89
Benzo(a)pyrene
Concen: 10.052 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	18.1	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.797 ng
RT: 17.57 min Scan# 2632
Delta R.T. 0.03 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9
138	31.9	21.8	32.8

