

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108867.D
 Acq On : 7 Sep 2018 18:13
 Operator : JU/SJ
 Sample : J4825-18MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MS

Manual Integrations
 APPROVED

Sohil
 9/10/2018 10:39:37 AM

Quant Time: Sep 07 23:35:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	217357	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	802193	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	358252	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	557636	20.00	ng	0.00
75) Chrysene-d12	13.87	240	464659	20.00	ng	0.00
86) Perylene-d12	15.28	264	500215	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1508908	115.01	ng	0.02
7) Phenol-d6	6.38	99	1926083	114.10	ng	0.01
23) Nitrobenzene-d5	7.30	82	1242198	96.91	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	389332	113.84	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	2030212	96.68	ng	0.00
78) Terphenyl-d14	12.83	244	1435595	72.05	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	551041	21.991	ng	99
57) Fluorene	10.31	166	39197	2.037	ng	98
70) Phenanthrene	11.27	178	560177	21.036	ng	99
71) Anthracene	11.32	178	136672	5.360	ng	98
74) Fluoranthene	12.45	202	674734	25.591	ng	96
77) Pyrene	12.68	202	672082	18.797	ng	99
80) Benzo(a)anthracene	13.86	228	393625	13.216	ng	98
82) Chrysene	13.89	228	358320	12.428	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	180402m	7.070	ng	
87) Benzo(b)fluoranthene	14.88	252	439454m	16.157	ng	
88) Benzo(k)fluoranthene	14.91	252	166315m	6.640	ng	
89) Benzo(a)pyrene	15.22	252	337225	13.741	ng	96
90) Dibenzo(a,h)anthracene	16.64	278	47288m	2.187	ng	
91) Benzo(g,h,i)perylene	17.04	276	158437	7.317	ng	94

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

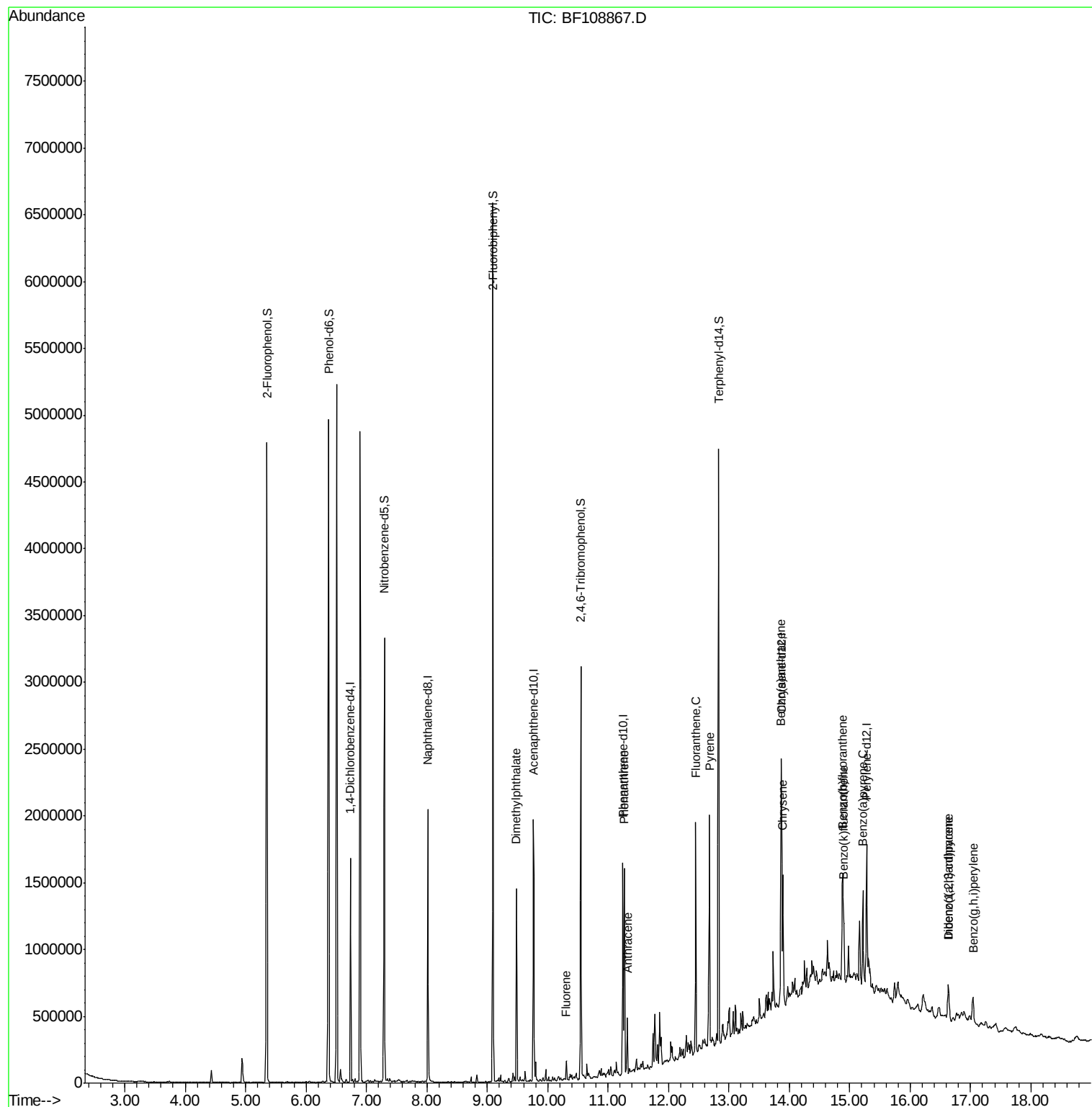
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108867.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
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#1

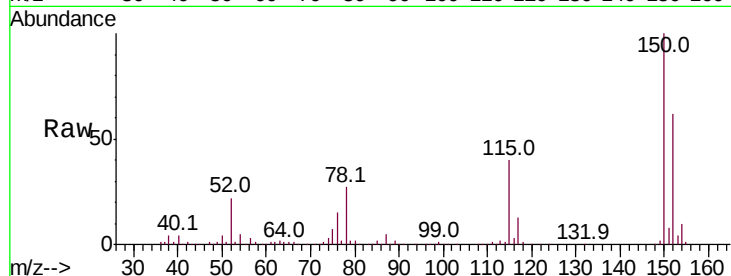
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	63.5	50.1	75.1

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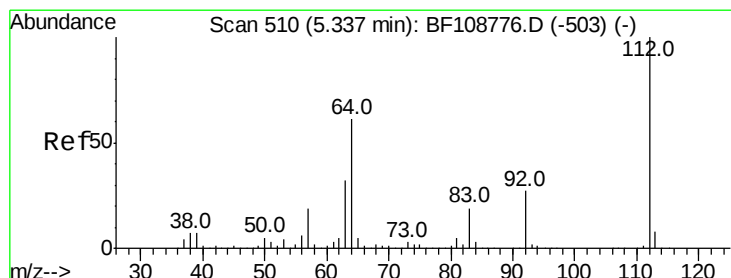
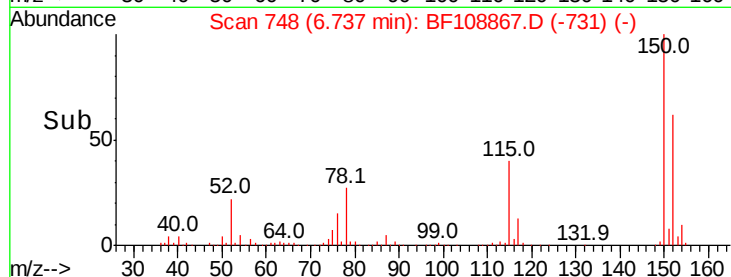
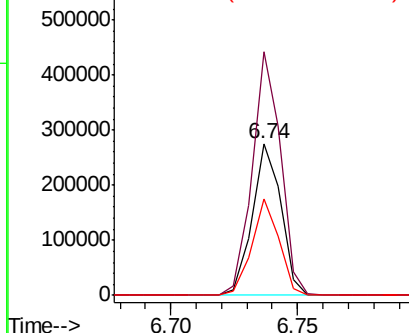


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

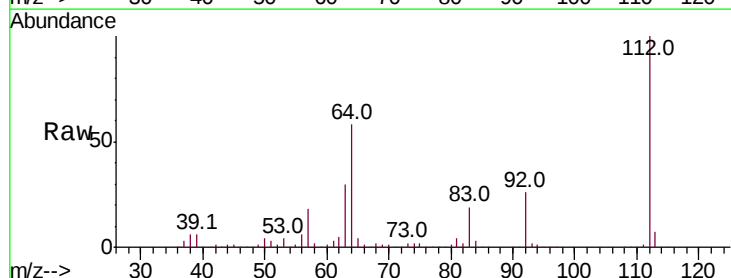
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.007 ng
RT: 5.35 min Scan# 513
Delta R.T. 0.02 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.9	71.9
63	30.3	23.7	35.5

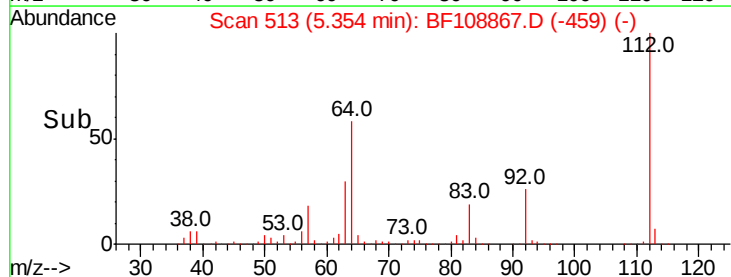
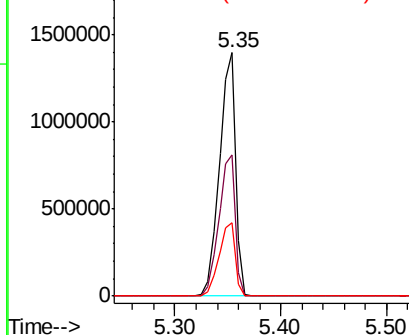


Abundance

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: 114.097 ng

RT: 6.38 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MS

Tot Ion: 99 Resp: 1926083

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

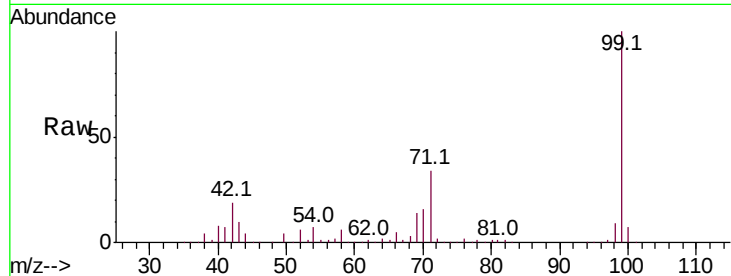
71 34.4 25.4 38.0

Manual Integrations

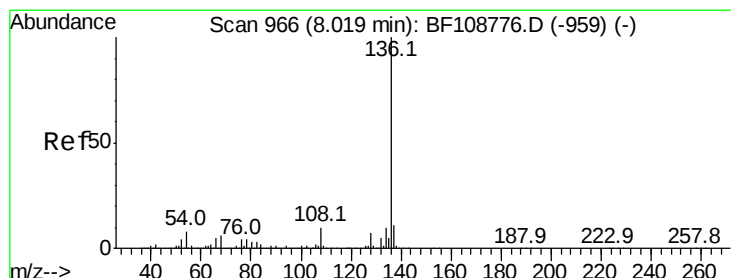
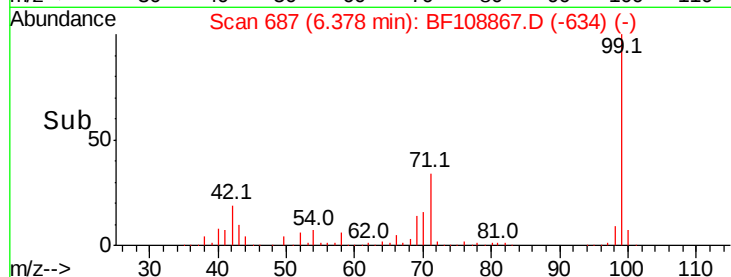
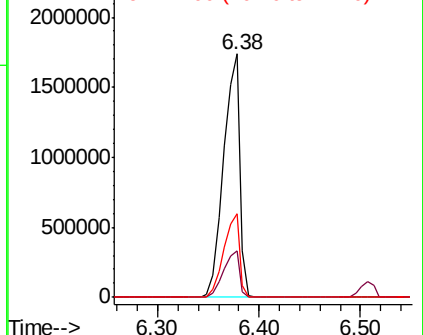
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

Tgt Ion: 136 Resp: 802193

Ion Ratio Lower Upper

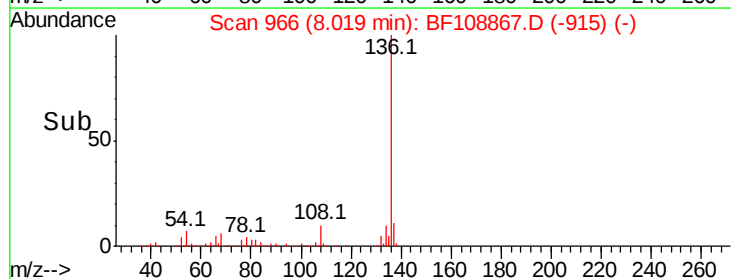
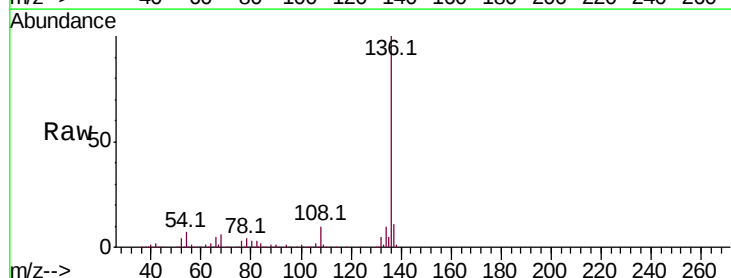
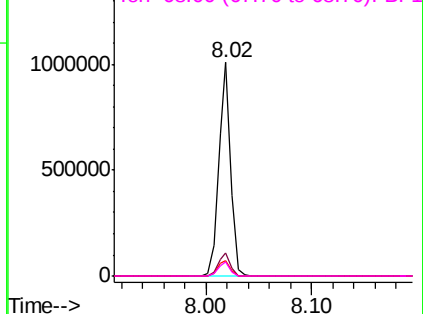
136 100

137 11.0 8.9 13.3

54 7.4 6.6 9.8

68 6.5 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





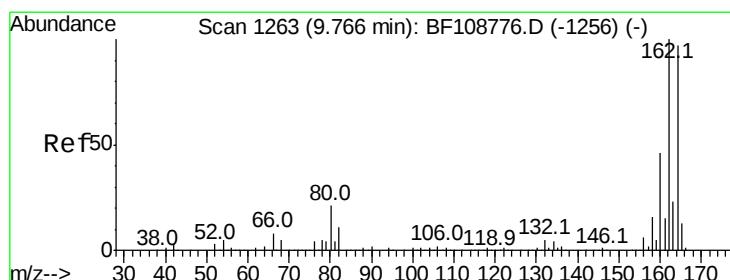
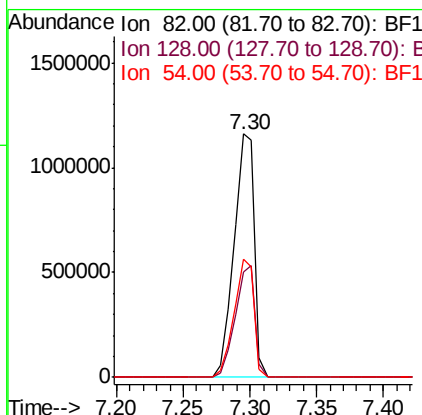
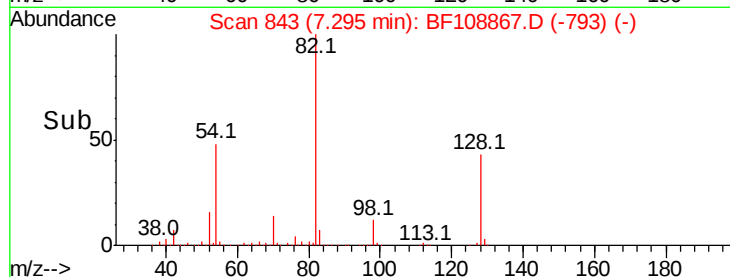
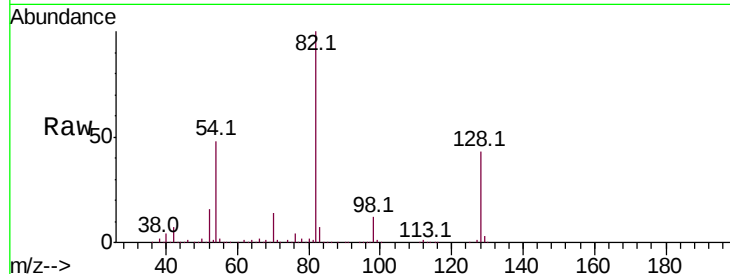
#23
 Nitrobenzene-d5
 Concen: 96.907 ng
 RT: 7.30 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	48.5	41.4	62.2

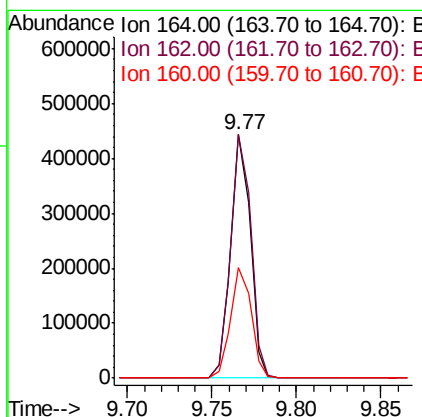
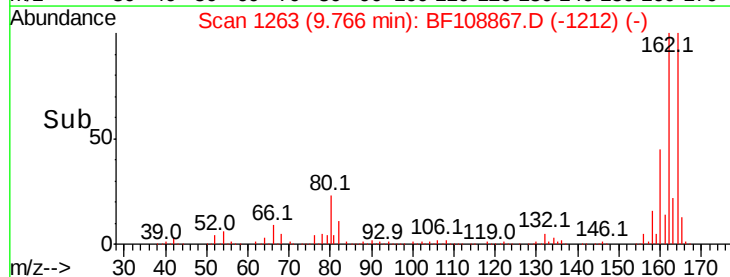
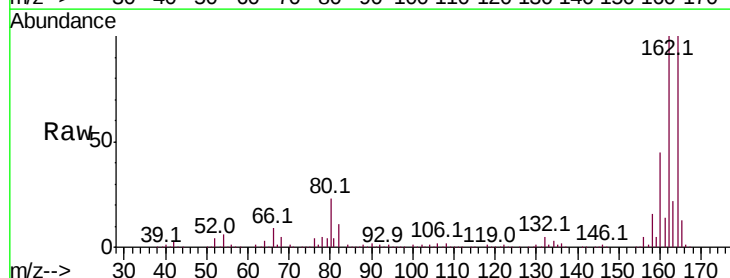
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	86.1	129.1
160	45.3	38.3	57.5





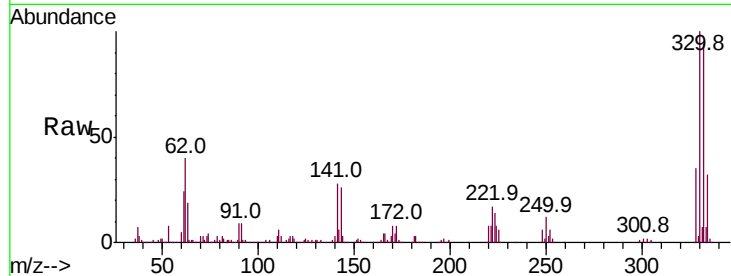
#41
 2,4,6-Tribromophenol
 Concen: 113.838 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.0	115.6	
141	32.9	29.9	44.9	

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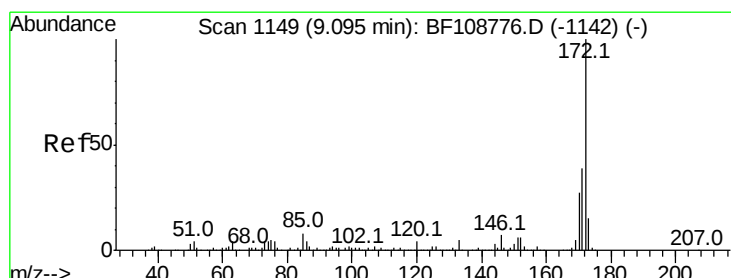
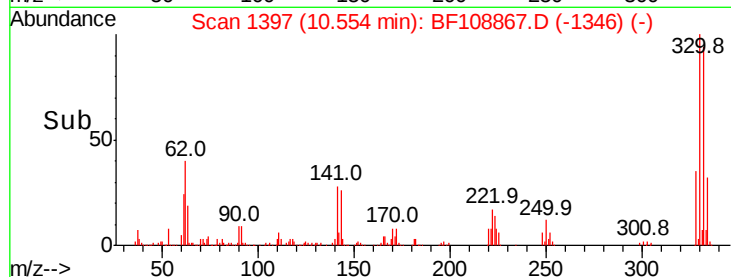
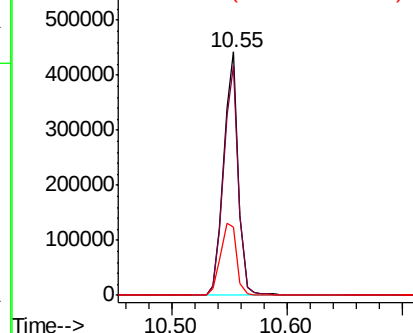


Abundance

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



#44
 2-Fluorobiphenyl
 Concen: 96.678 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

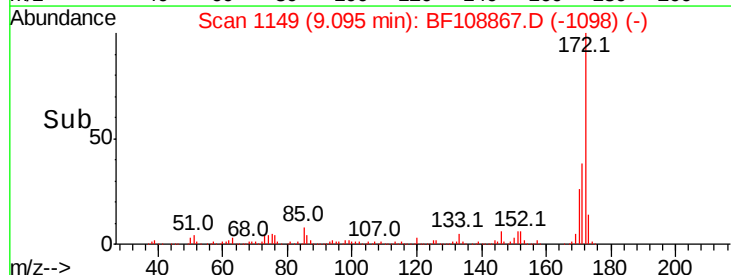
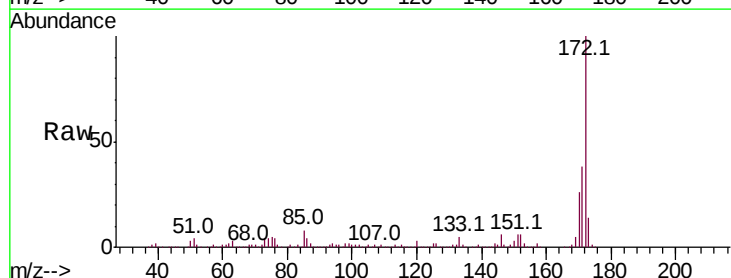
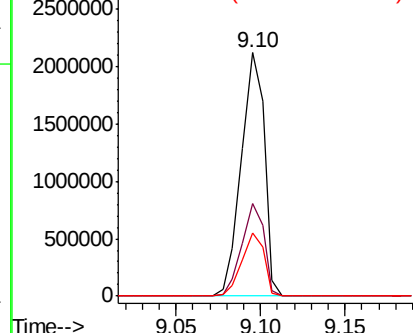
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.2	29.7	44.5	
170	26.0	19.6	29.4	

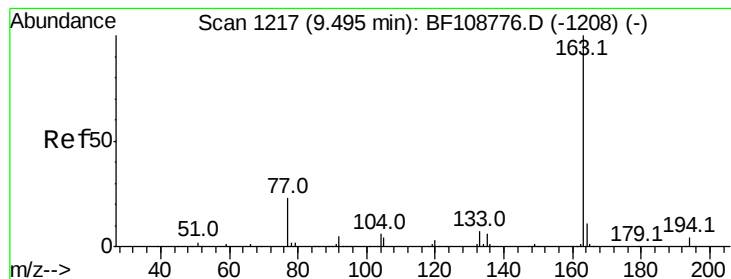
Abundance

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





#49

Dimethylphthalate

Concen: 21.991 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

Instrument :

BNA_F

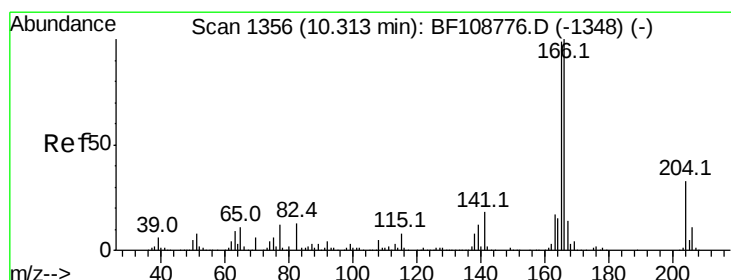
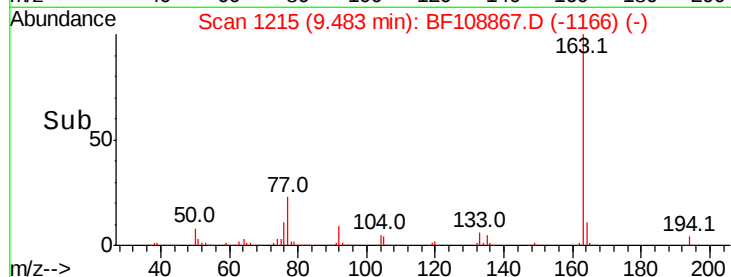
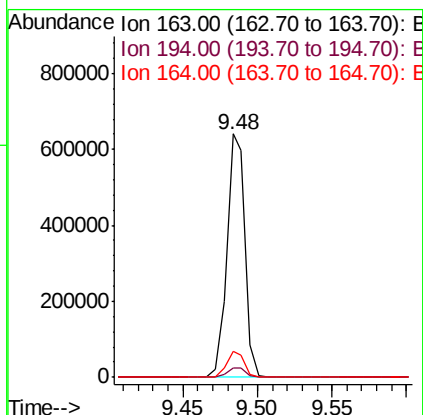
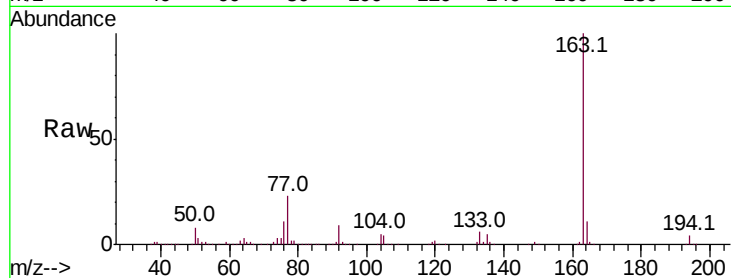
ClientSampleId :

EP1-WS-COMP-18MS

Tot Ion:	163	Resp:	551041
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.7	8.2	12.2

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#57

Fluorene

Concen: 2.037 ng

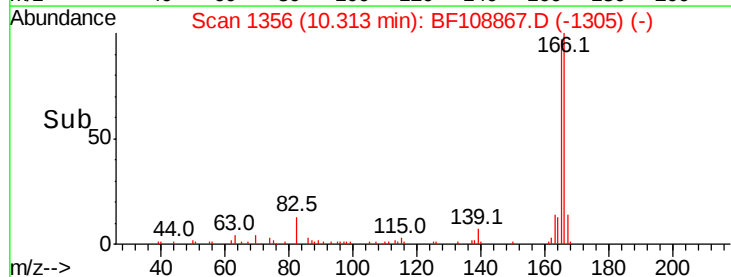
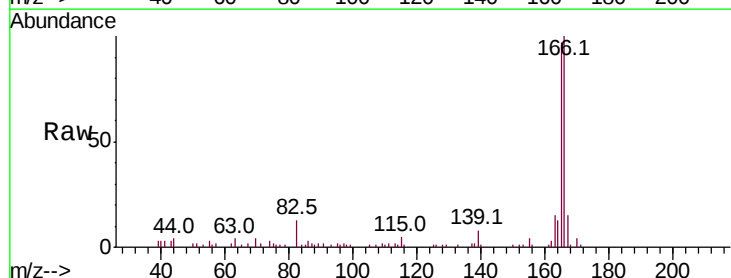
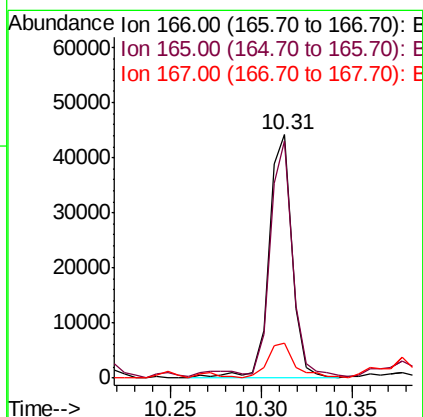
RT: 10.31 min Scan# 1356

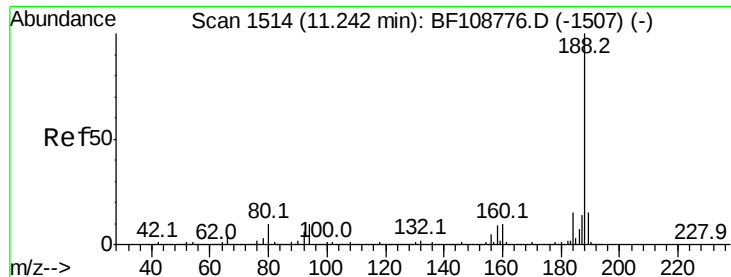
Delta R.T. -0.00 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

Tgt Ion:	166	Resp:	39197
Ion Ratio	Lower	Upper	
166	100		
165	97.4	79.8	119.8
167	14.6	10.6	16.0





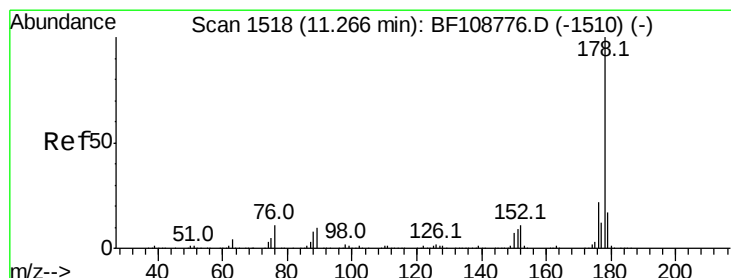
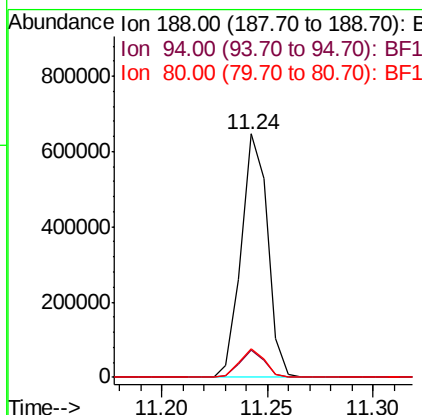
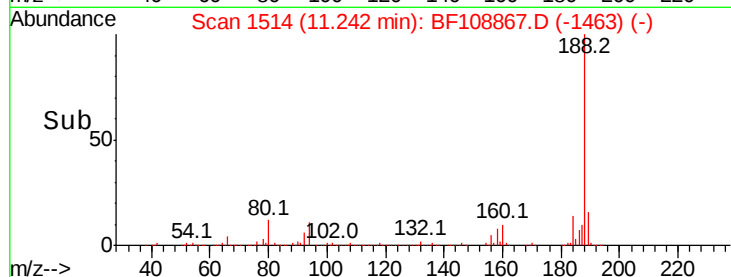
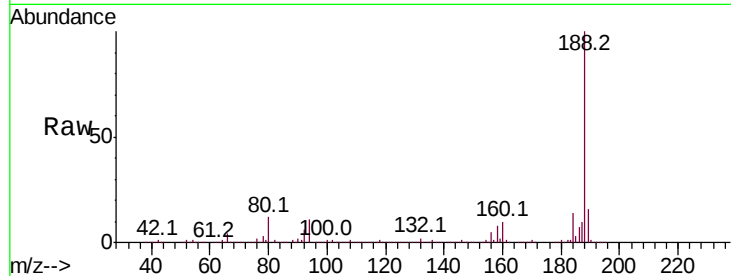
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	557636		
94	11.0		8.5	12.7
80	11.6		9.2	13.8

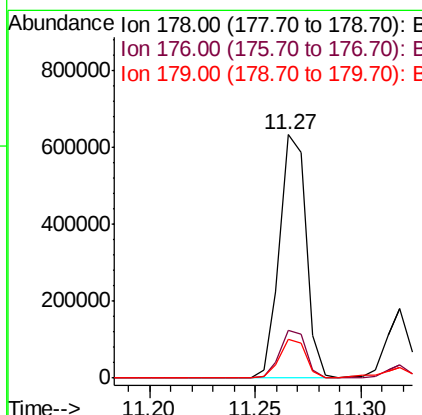
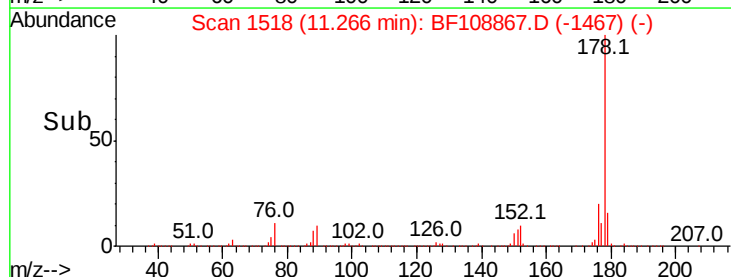
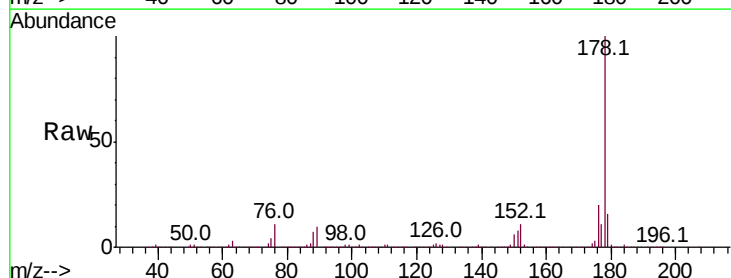
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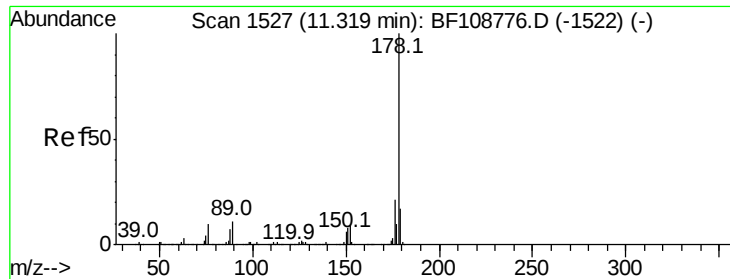
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#70
Phenanthrene
Concen: 21.036 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	560177		
176	19.6		15.8	23.8
179	16.0		13.0	19.6





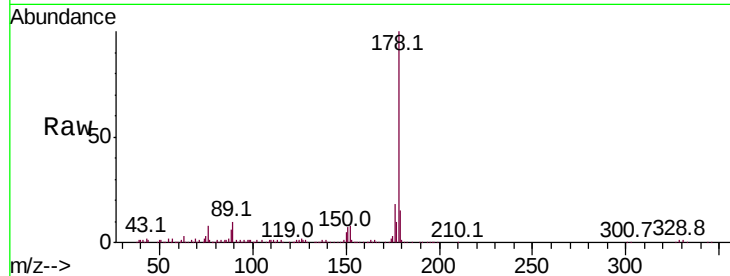
#71
 Anthracene
 Concen: 5.360 ng
 RT: 11.32 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.5	12.6	19.0

Manual Integrations
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 9/10/2018 10:39:37 AM

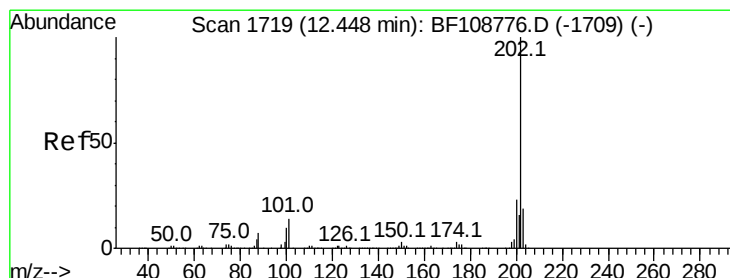
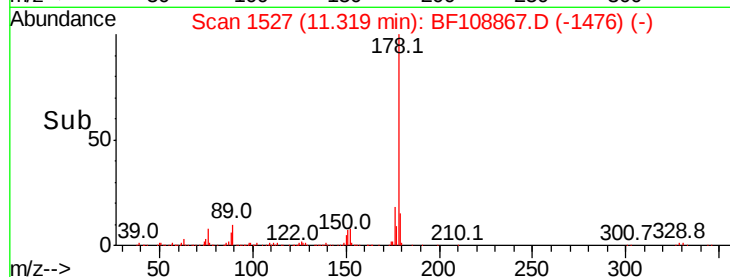
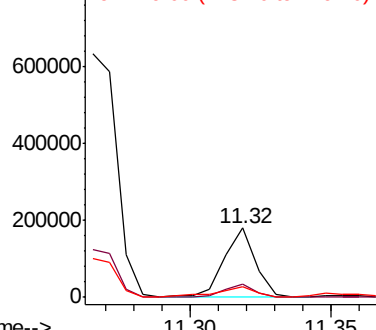


Abundance

Ion 178.00 (177.70 to 178.70): E

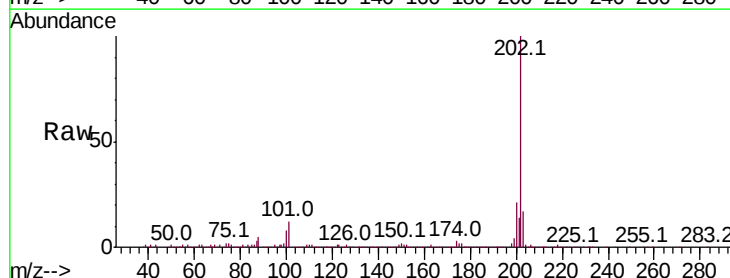
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 25.591 ng
 RT: 12.45 min Scan# 1720
 Delta R.T. 0.01 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	17.3	0.0	38.1

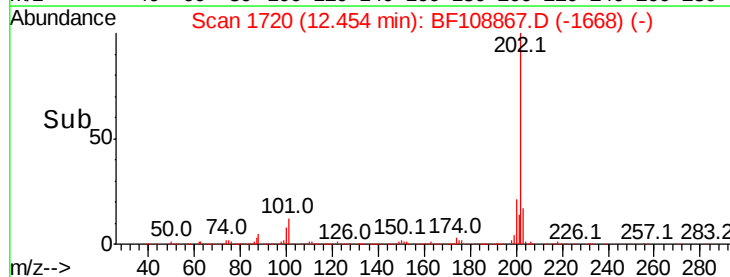
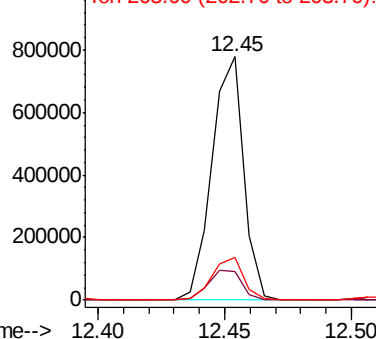


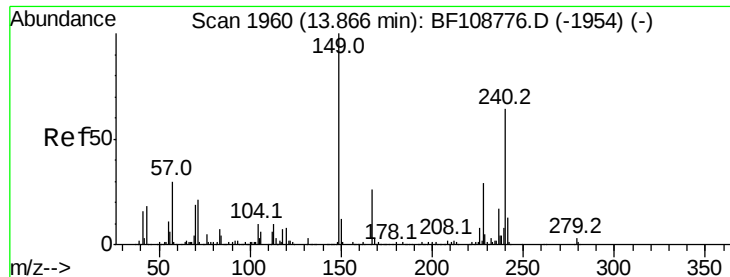
Abundance

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: 20.000 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

Instrument :

BNA_F

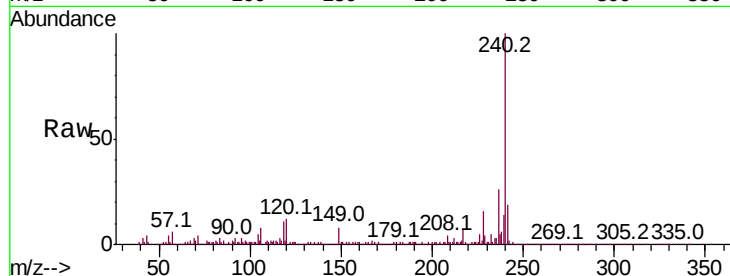
ClientSampleId :

EP1-WS-COMP-18MS

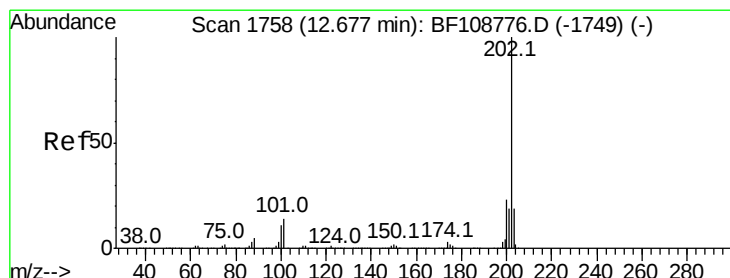
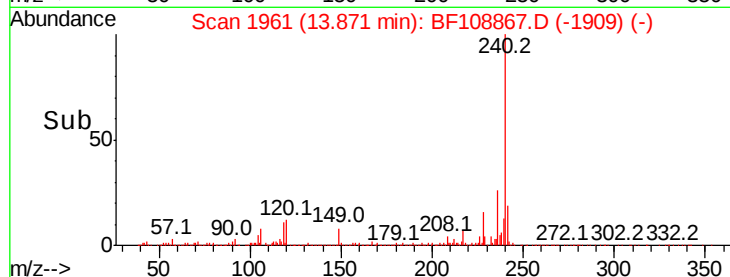
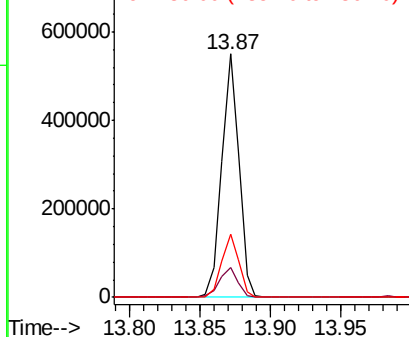
Tot Ion:	240	Resp:	464659
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	26.0	20.7	31.1

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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



#77

Pyrene

Concen: 18.797 ng

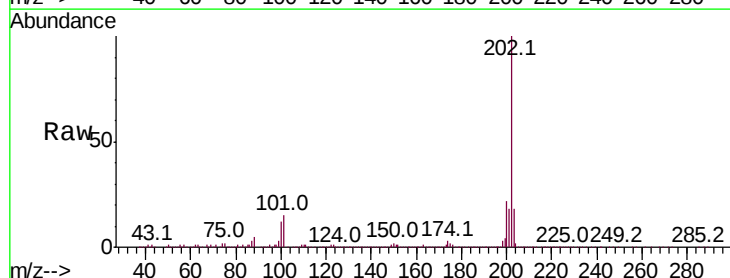
RT: 12.68 min Scan# 1758

Delta R.T. -0.00 min

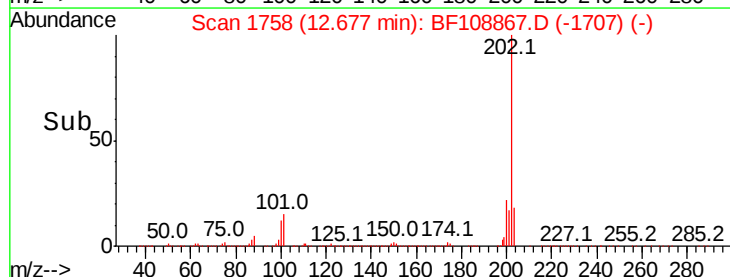
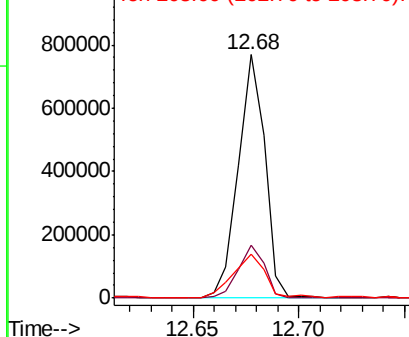
Lab File: BF108867.D

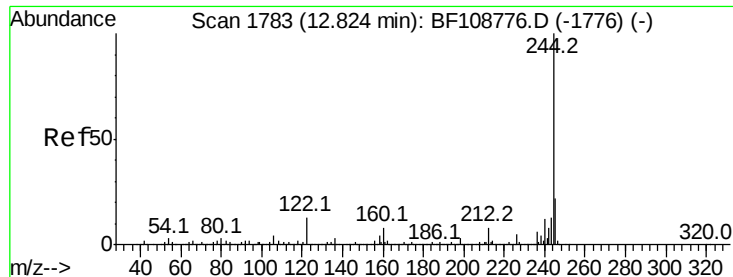
Acq: 7 Sep 2018 18:13

Tgt Ion:	202	Resp:	672082
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.2	14.3	21.5



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: 72.046 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MS

Tot Ion:244 Resp: 1435595

Ion Ratio Lower Upper

244 100

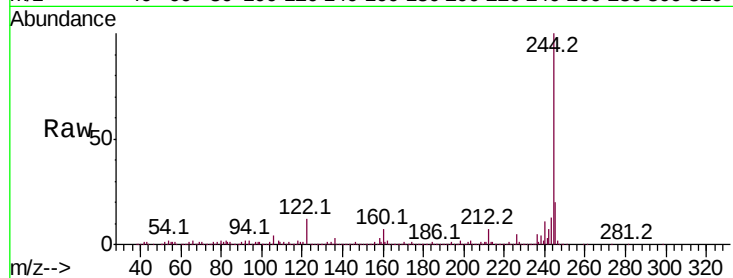
212 7.4 5.4 8.0

122 11.8 11.0 16.4

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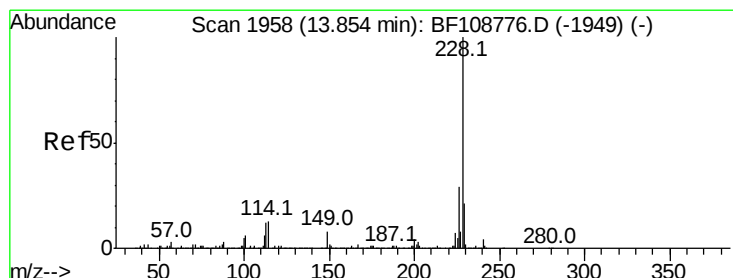
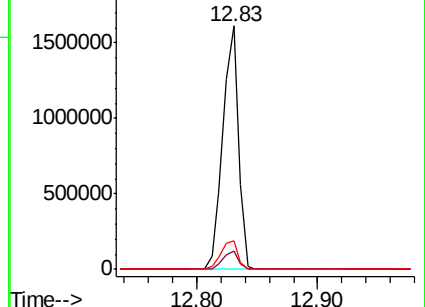
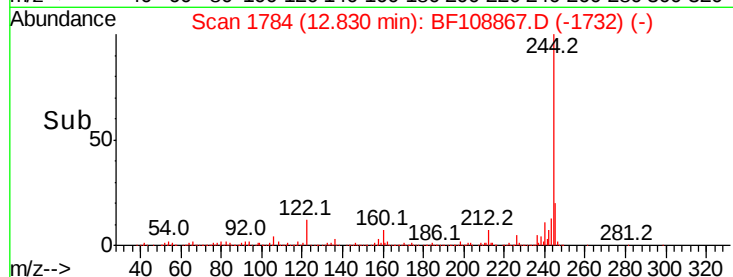
9/10/2018 10:39:37 AM



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: 13.216 ng

RT: 13.86 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF108867.D

Acq: 7 Sep 2018 18:13

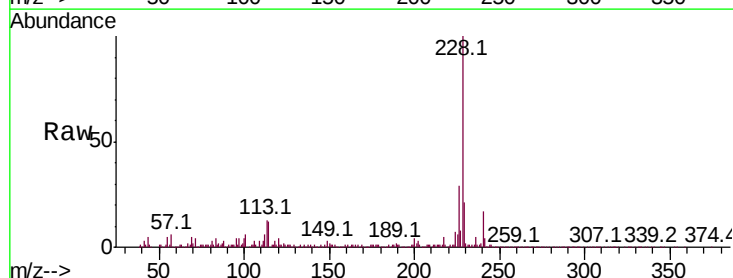
Tgt Ion:228 Resp: 393625

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

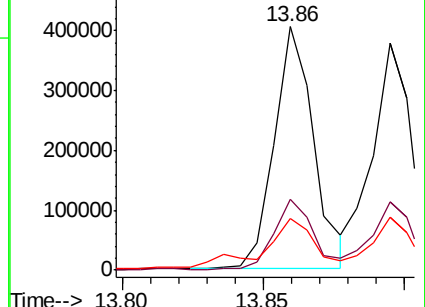
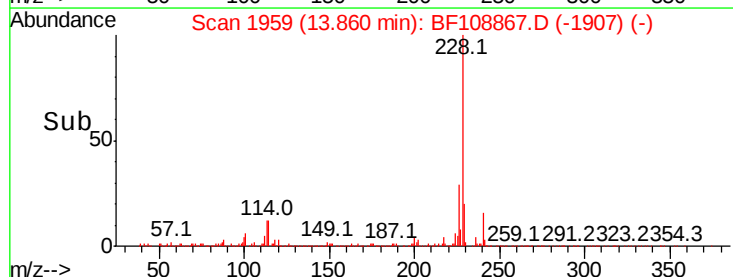
229 21.0 15.8 23.6

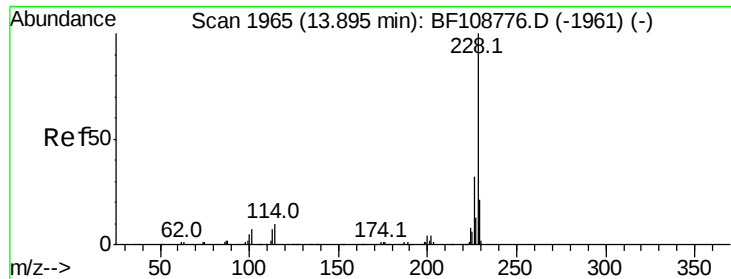


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





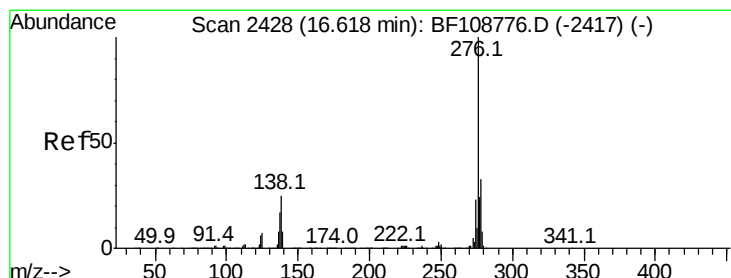
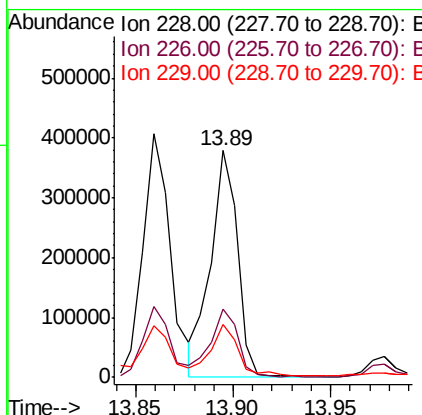
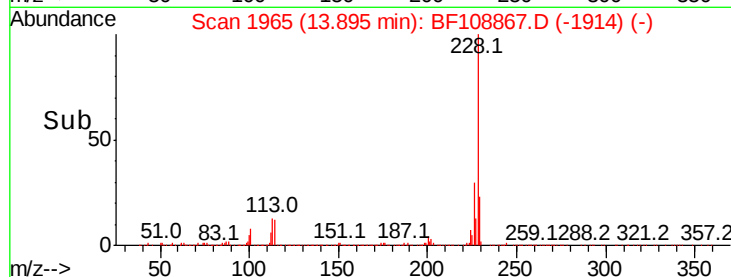
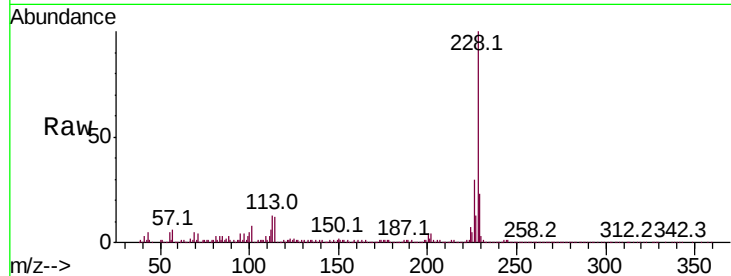
#82
Chrysene
Concen: 12.428 ng
RT: 13.89 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MS

Tot Ion:	228	Resp:	358320
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	23.2	16.2	24.4

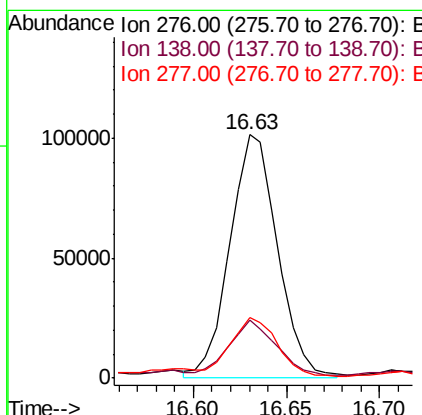
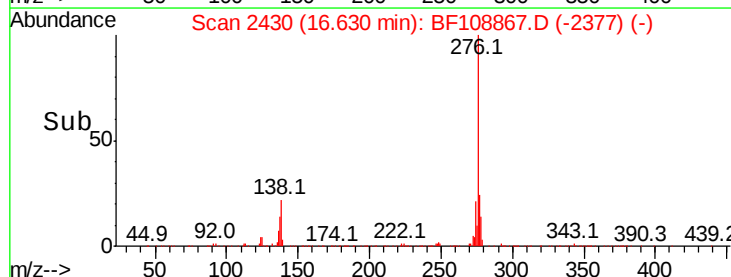
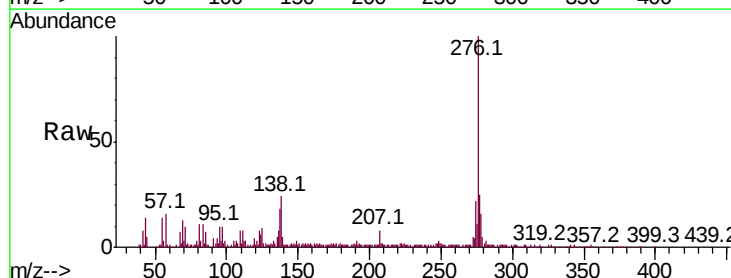
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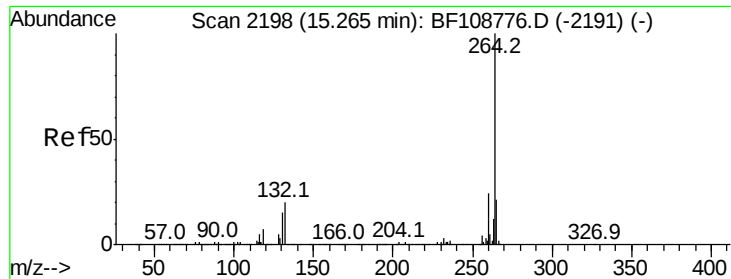
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.070 ng m
RT: 16.63 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:	276	Resp:	180402
Ion Ratio	Lower	Upper	
276	100		
138	5.4	25.0	37.6#
277	5.5	20.1	30.1#





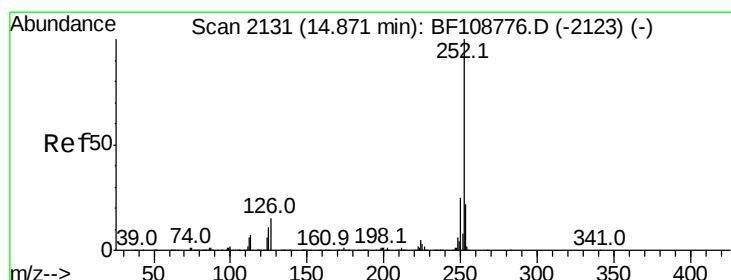
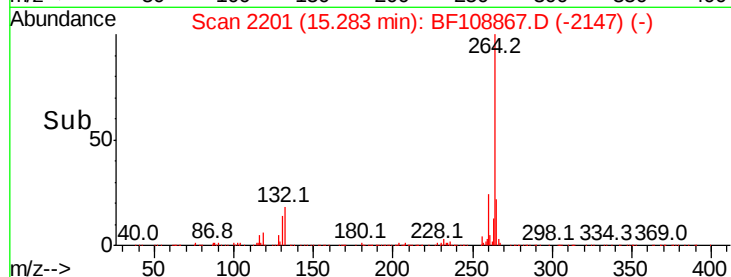
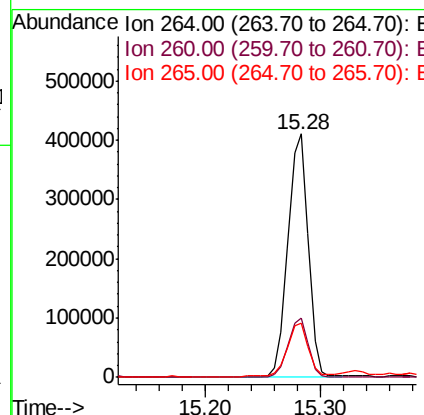
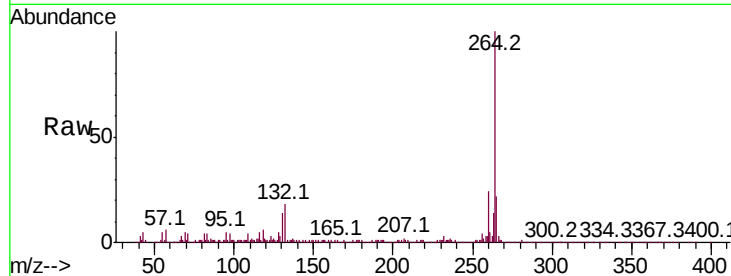
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2201
 Delta R.T. 0.02 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.3	17.5	26.3

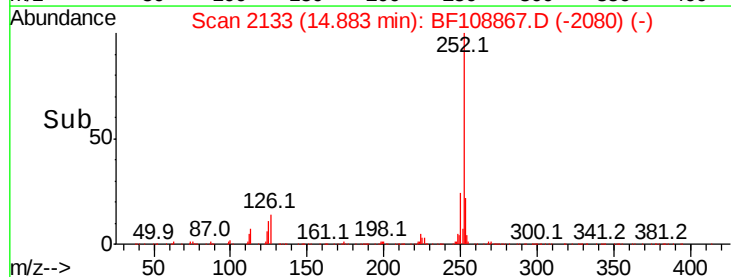
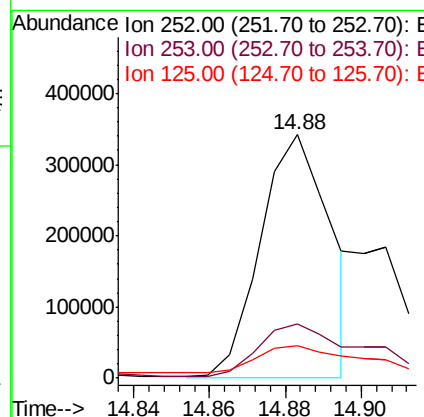
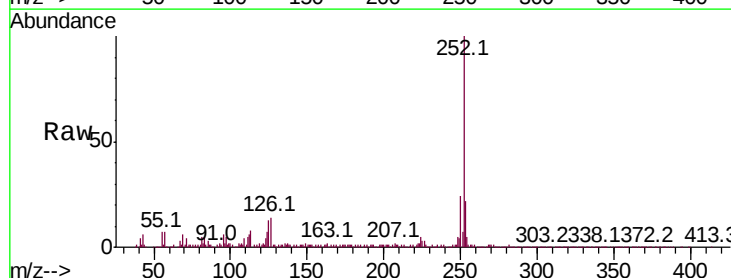
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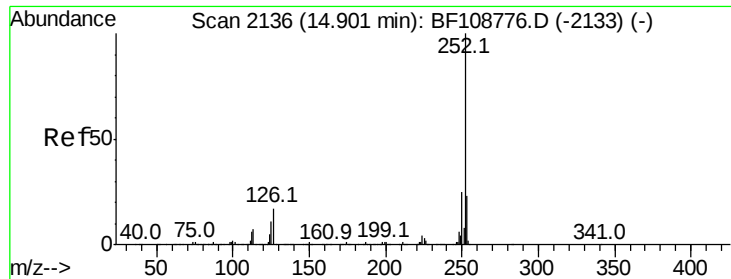
Sohil
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#87
 Benzo(b)fluoranthene
 Concen: 16.157 ng m
 RT: 14.88 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BF108867.D
 Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.4	9.0	13.6





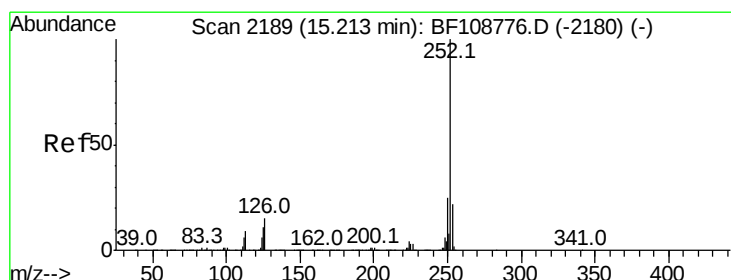
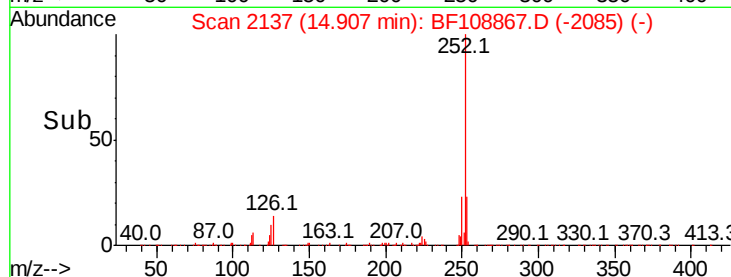
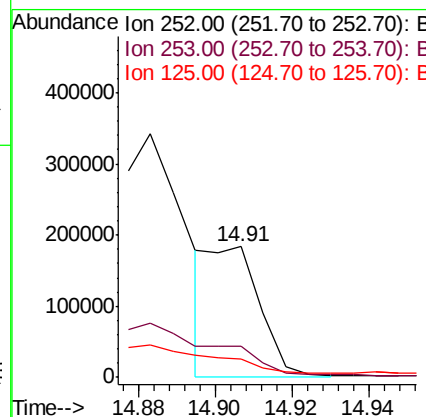
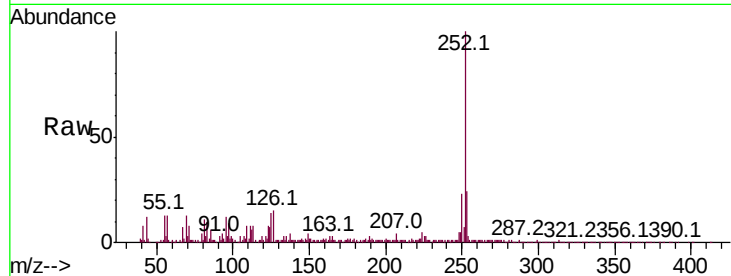
#88
Benzo(k)fluoranthene
Concen: 6.640 ng m
RT: 14.91 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	166315		
253	24.3		17.9	26.9
125	13.9		10.2	15.2

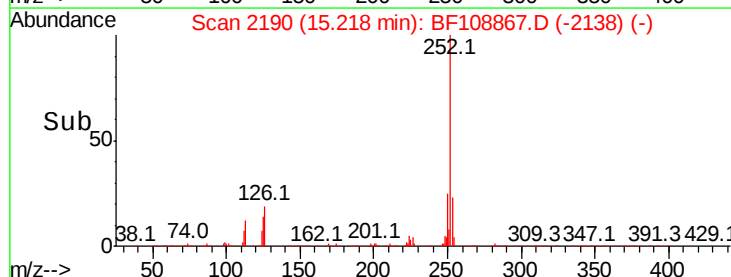
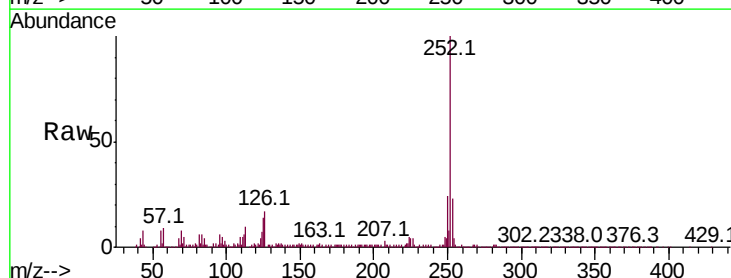
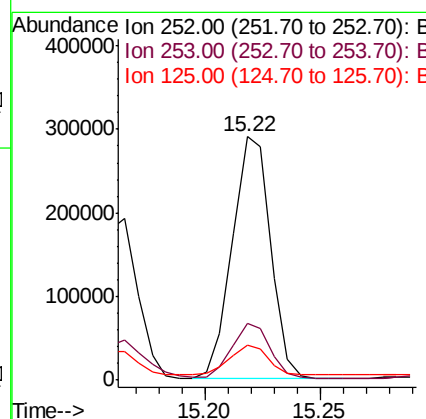
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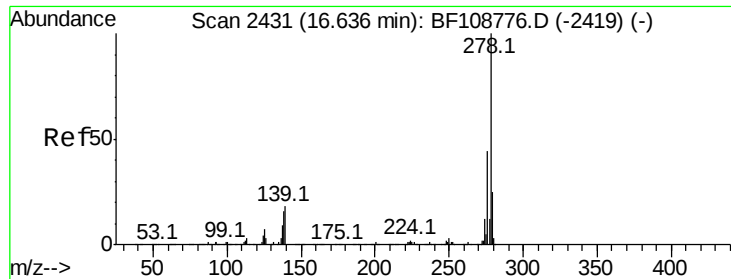
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#89
Benzo(a)pyrene
Concen: 13.741 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	337225		
253	23.1		17.1	25.7
125	14.3		9.8	14.6





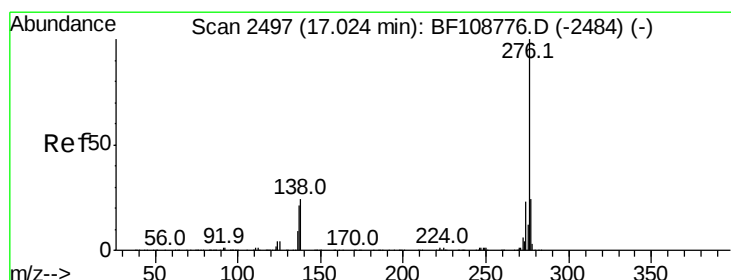
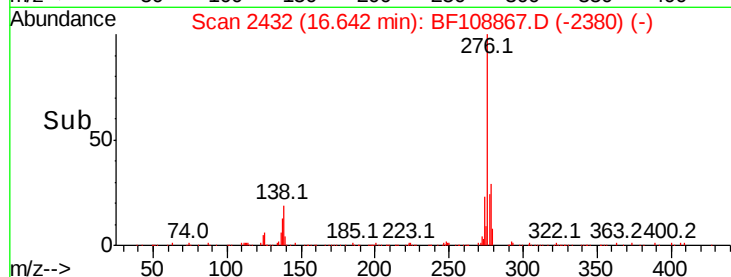
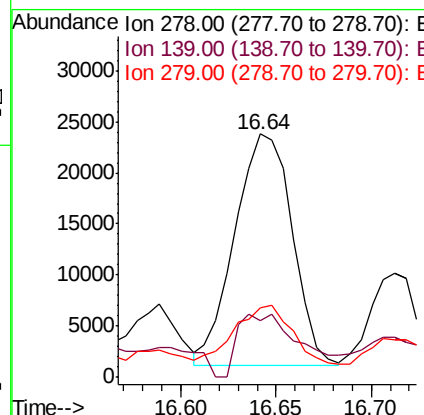
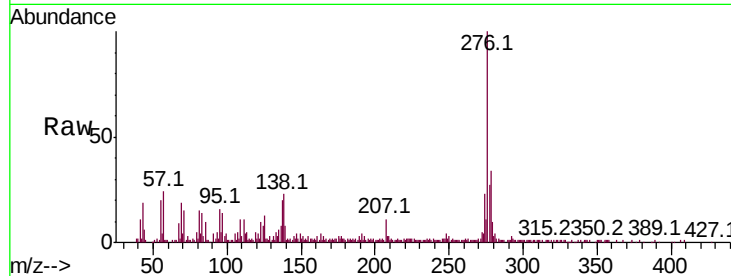
#90
Dibenzo(a,h)anthracene
Concen: 2.187 ng/mL
RT: 16.64 min Scan# 2432
Delta R.T. 0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.1	15.9	23.9
279	28.6	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.317 ng/mL
RT: 17.04 min Scan# 2500
Delta R.T. 0.02 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	22.8	21.8	32.8

