

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108861.D
 Acq On : 7 Sep 2018 15:32
 Operator : JU/SJ
 Sample : J4825-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 EP1-WS-COMP-18

Manual Integrations
 APPROVED

Sohil
 9/10/2018 10:39:24 AM

Quant Time: Sep 07 16:30:15 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	228653	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	863684	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	409449	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	729116	20.00	ng	0.00
75) Chrysene-d12	13.87	240	446336	20.00	ng	0.00
86) Perylene-d12	15.28	264	549150	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1152914	83.53	ng	0.01
7) Phenol-d6	6.37	99	1481419	83.42	ng	0.00
23) Nitrobenzene-d5	7.30	82	933157	67.61	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	351505	89.93	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1647623	68.65	ng	0.00
78) Terphenyl-d14	12.82	244	1310720	68.48	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	457906	15.989	ng	99
70) Phenanthrene	11.27	178	616178	17.697	ng	98
71) Anthracene	11.32	178	167295	5.018	ng	98
74) Fluoranthene	12.45	202	847174	24.574	ng	99
77) Pyrene	12.68	202	804616	23.428	ng	99
80) Benzo(a)anthracene	13.86	228	454507	15.887	ng	99
82) Chrysene	13.90	228	404222	14.595	ng	98
85) Indeno(1,2,3-cd)pyrene	16.63	276	272974m	11.137	ng	
87) Benzo(b)fluoranthene	14.88	252	544469m	18.234	ng	
88) Benzo(k)fluoranthene	14.90	252	174096m	6.331	ng	
89) Benzo(a)pyrene	15.22	252	427800	15.878	ng	98
90) Dibenzo(a,h)anthracene	16.64	278	82843	3.489	ng	94
91) Benzo(a,h,i)perylene	17.04	276	256550	10.793	ng	94

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

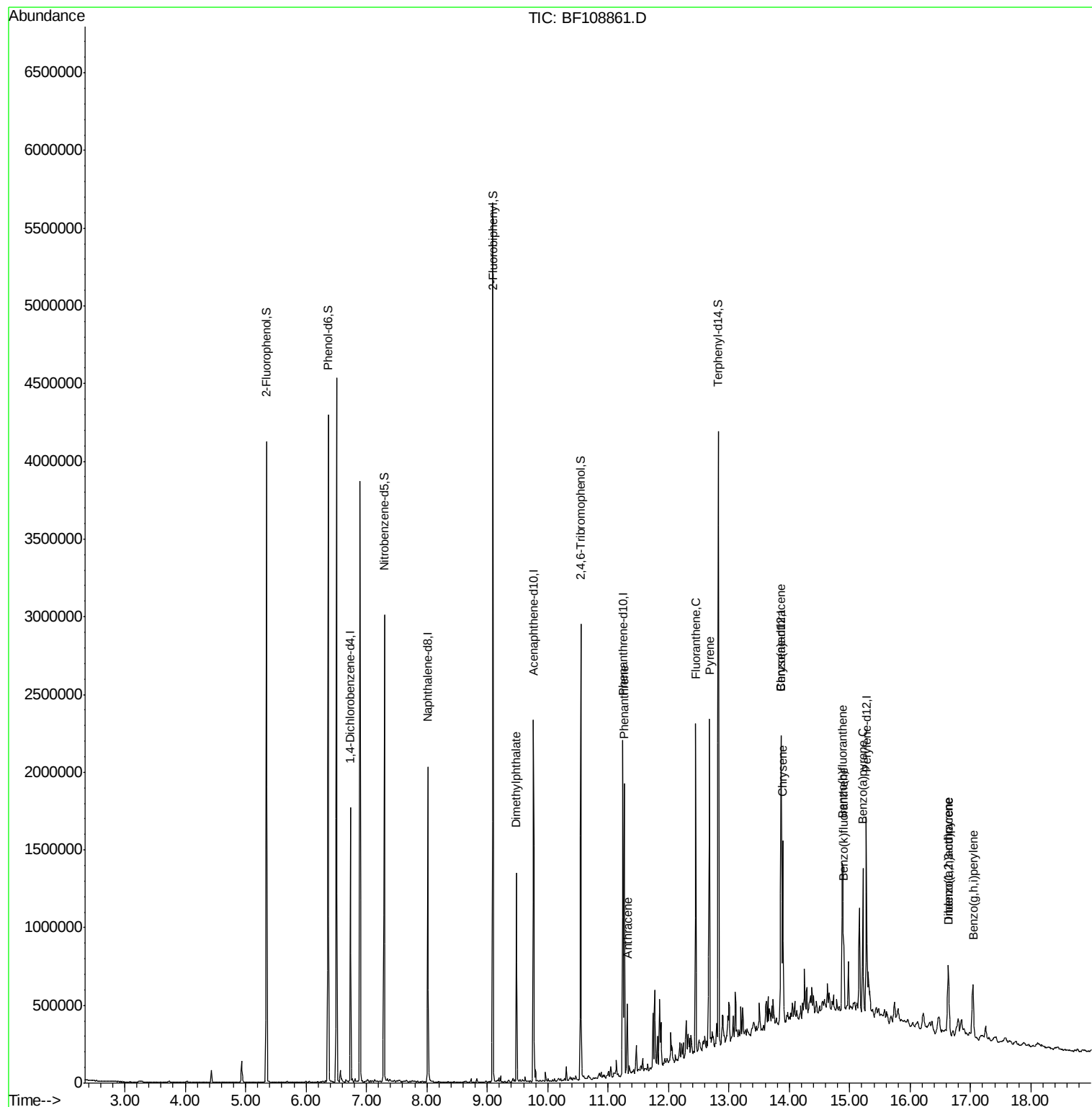
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108861.D
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Operator : JU/SJ
Sample : J4825-18
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ALS Vial : 12 Sample Multiplier: 1

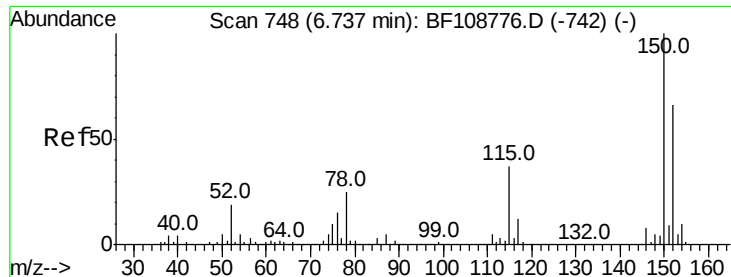
Instrument :
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#1

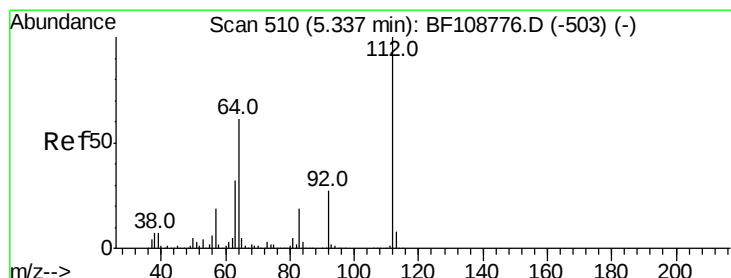
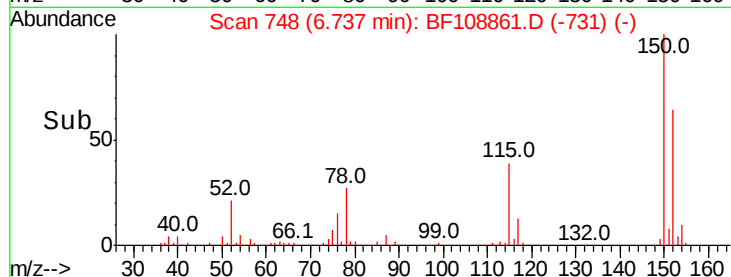
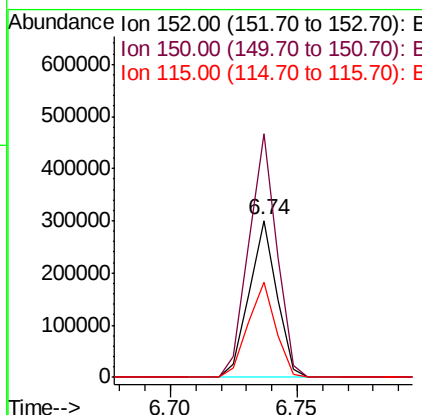
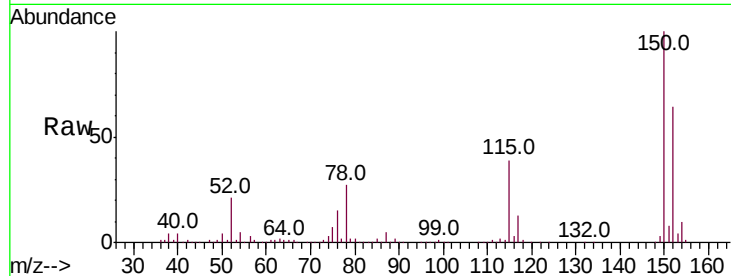
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	60.7	50.1	75.1

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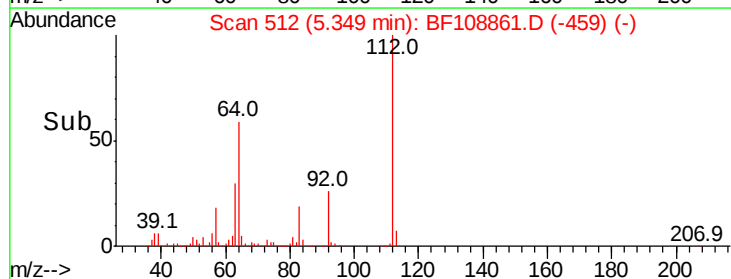
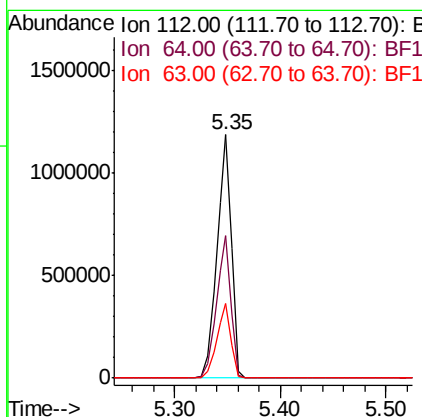
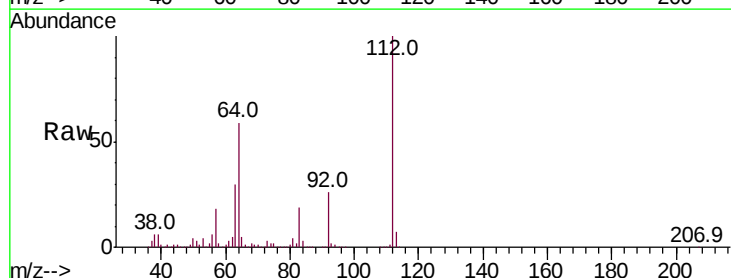
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#5

2-Fluorophenol
Concen: 83.532 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 83.421 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18

Tot Ion: 99 Resp: 1481419

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

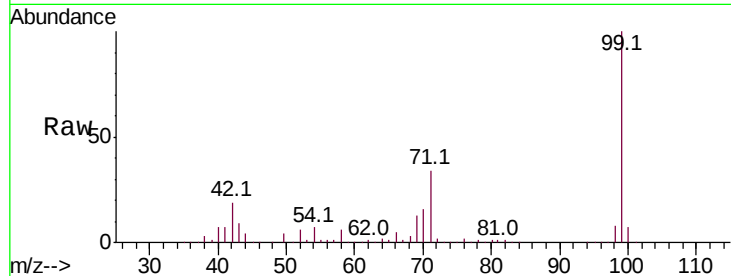
71 34.1 25.4 38.0

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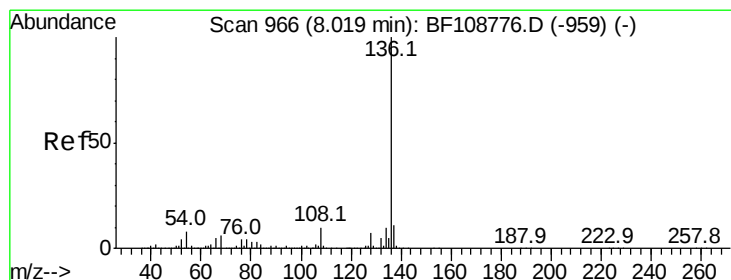
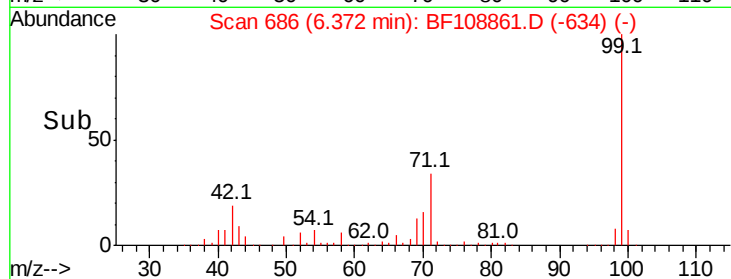
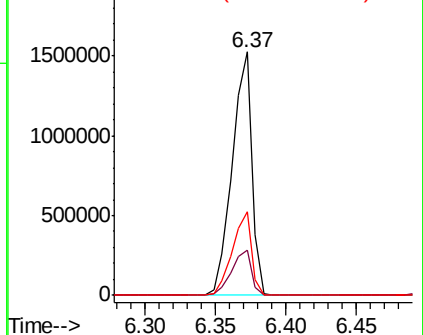
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.02 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Tgt Ion: 136 Resp: 863684

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

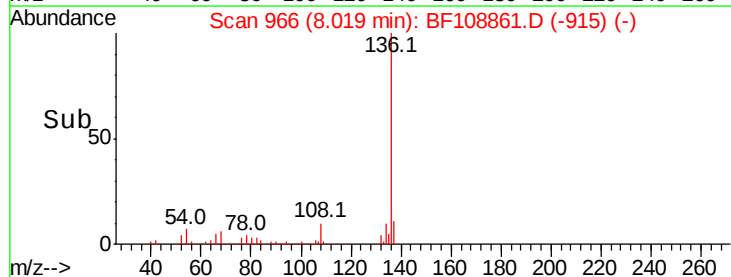
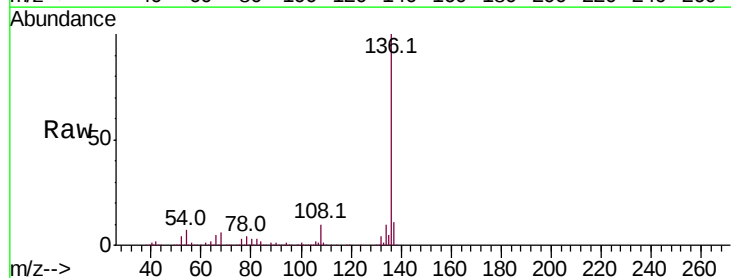
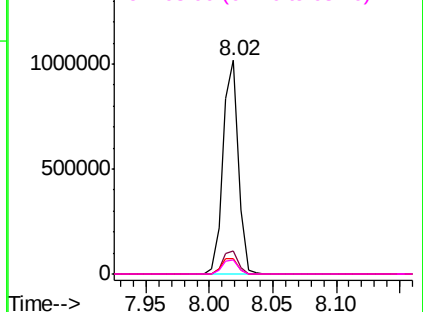
68 6.3 5.0 7.4

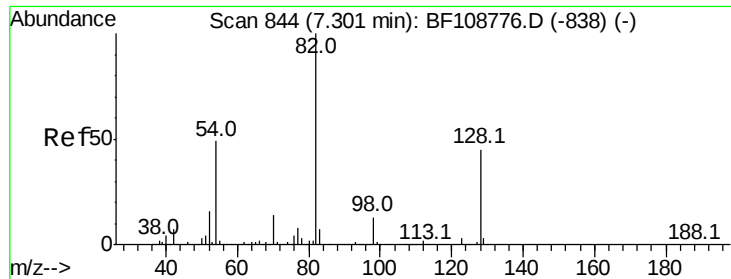
Abundance Ion 136.00 (135.70 to 136.70): E

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





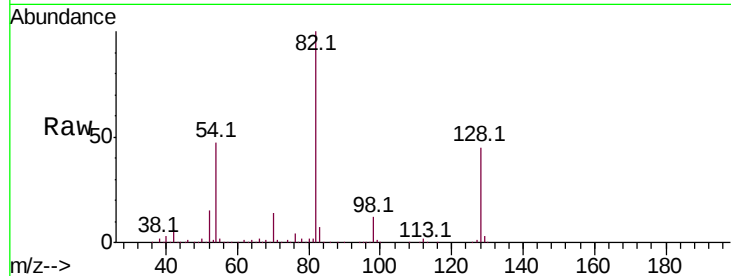
#23
Nitrobenzene-d5
Concen: 67.615 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

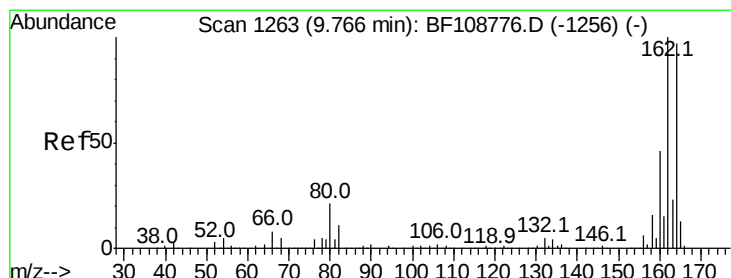
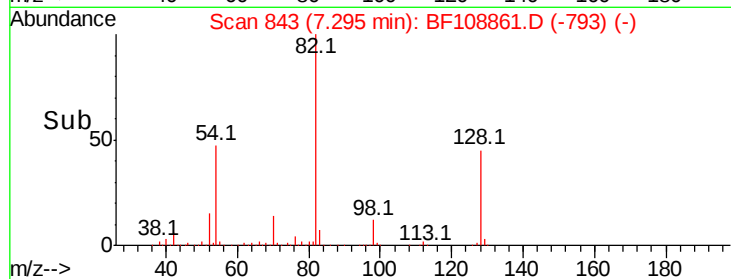
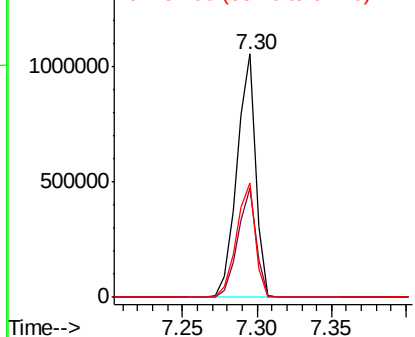
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.7	36.1	54.1	
54	47.1	41.4	62.2	

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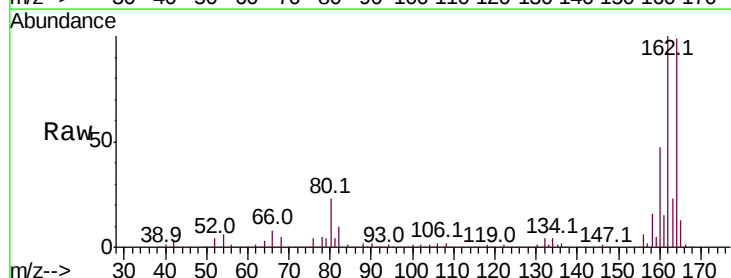


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

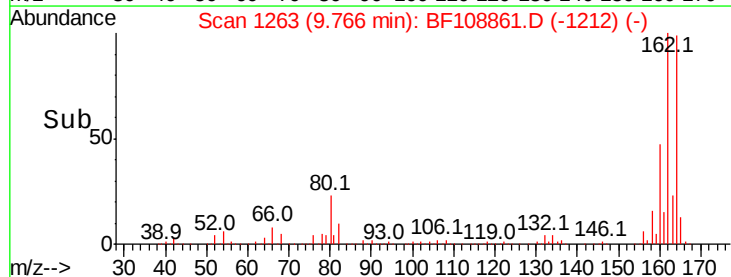
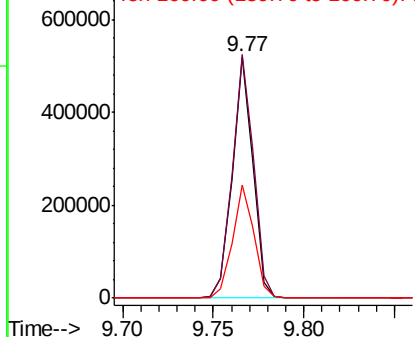


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	86.1	129.1	
160	47.0	38.3	57.5	



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





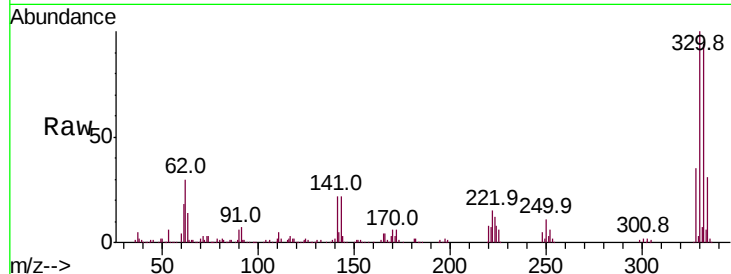
#41
 2,4,6-Tribromophenol
 Concen: 89.927 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	351505		
332	95.8	77.0	115.6	
141	32.0	29.9	44.9	

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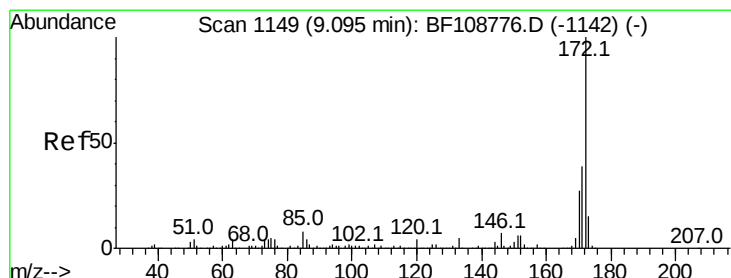
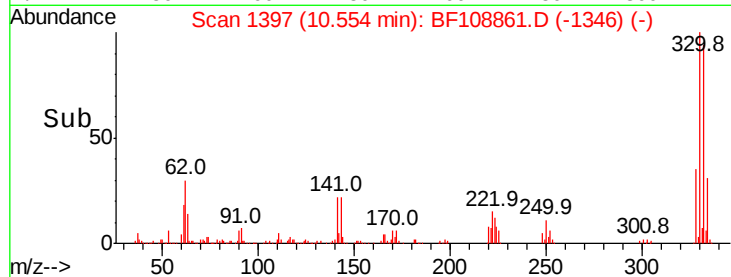
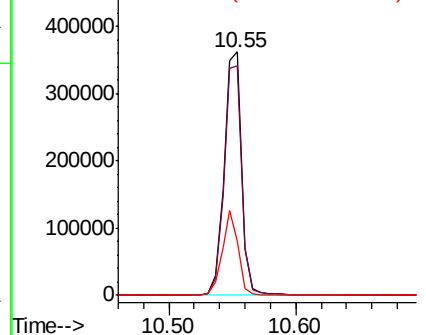


Abundance

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: 68.649 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

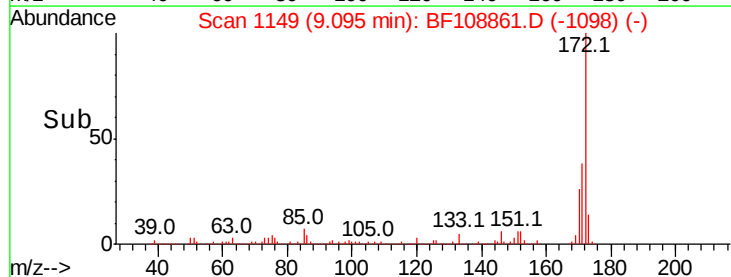
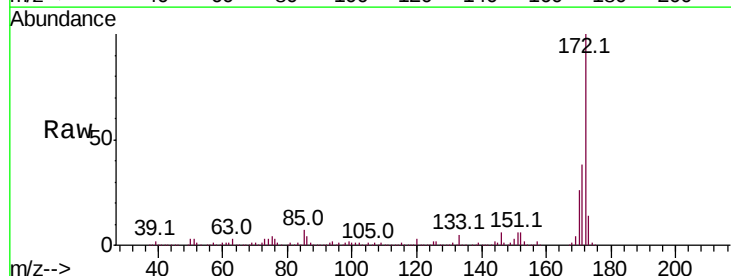
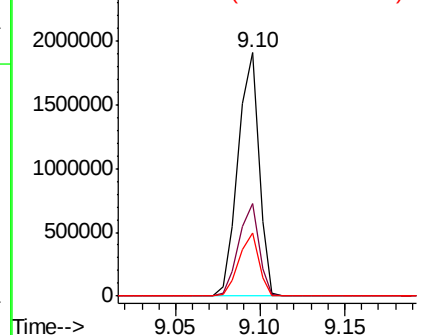
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1647623		
171	37.9	29.7	44.5	
170	25.7	19.6	29.4	

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





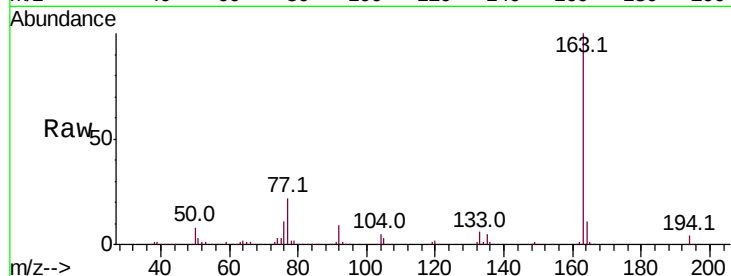
#49
Dimethylphthalate
Concen: 15.989 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.5	8.2	12.2	

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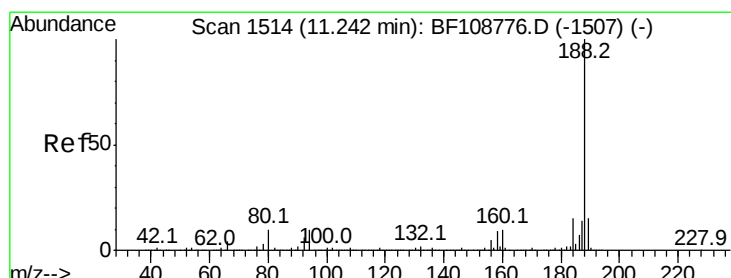
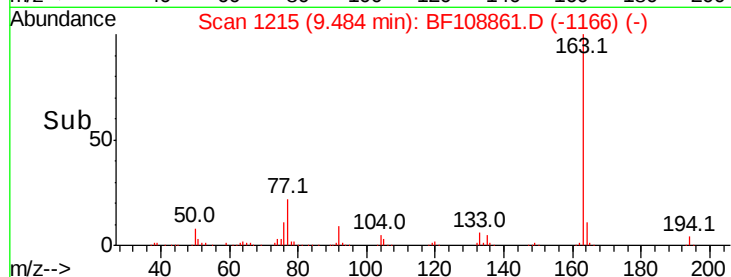
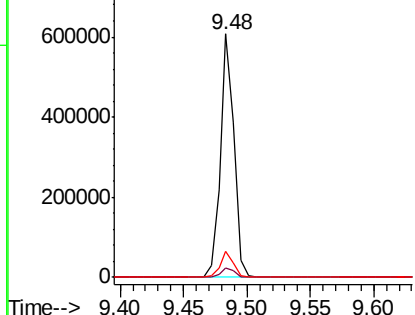


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

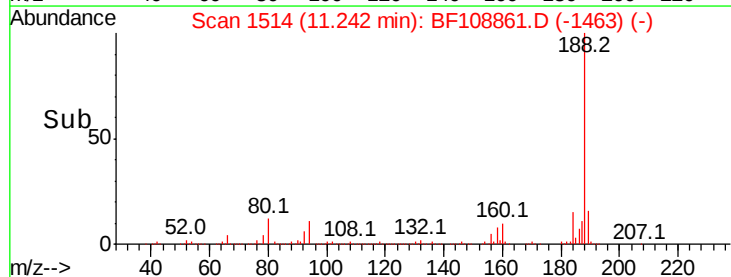
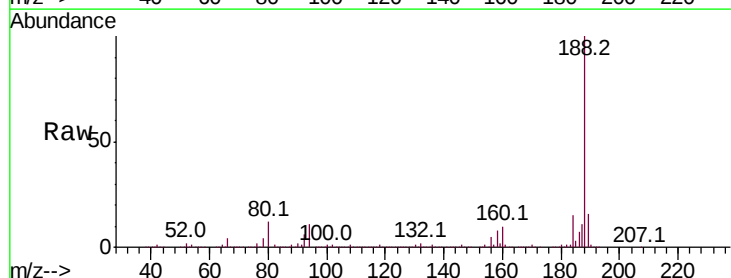
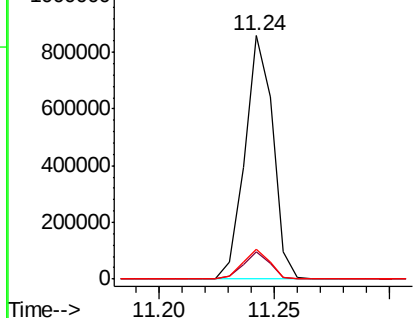
Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.3	8.5	12.7	
80	12.1	9.2	13.8	

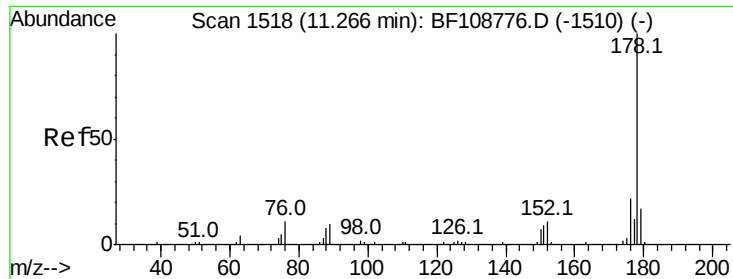
Abundance

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





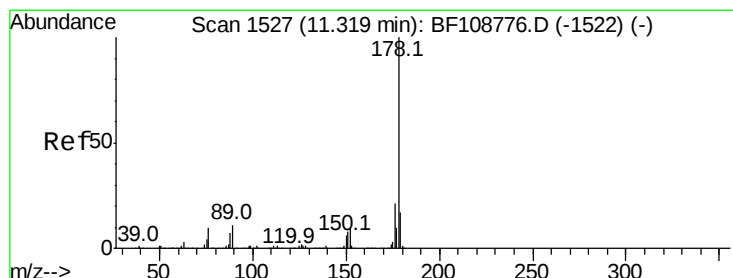
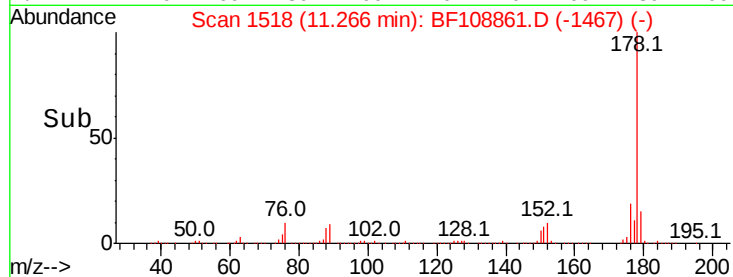
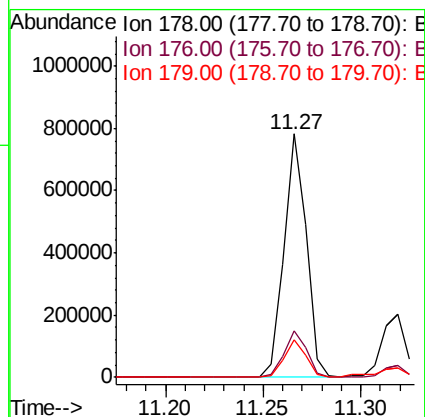
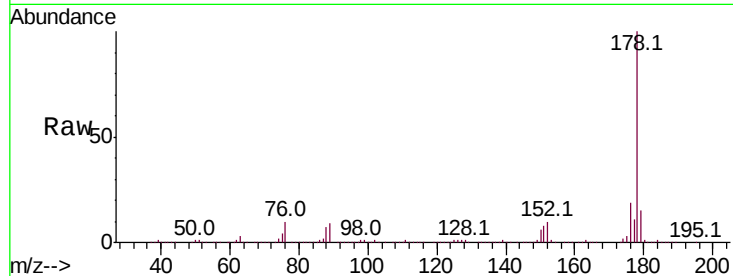
#70
Phenanthrene
Concen: 17.697 ng
RT: 11.27 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

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

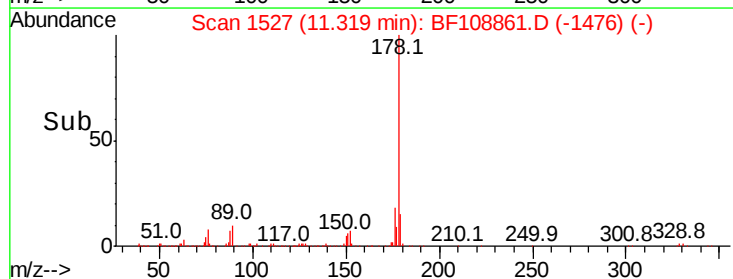
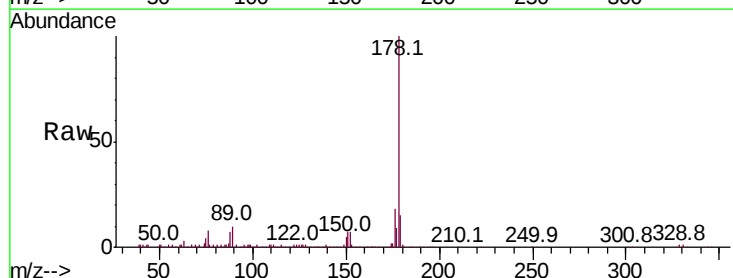
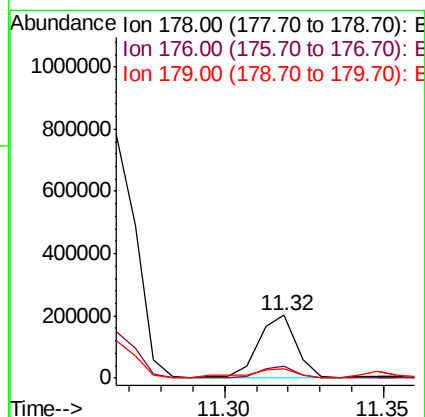
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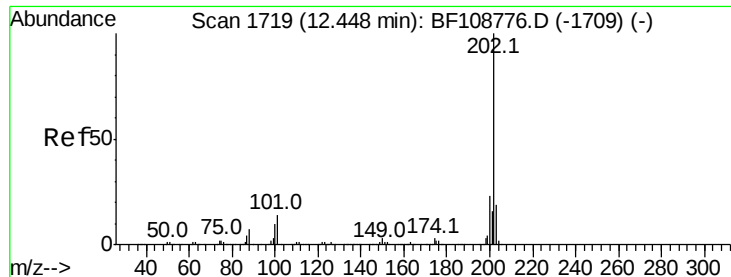
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#71
Anthracene
Concen: 5.018 ng
RT: 11.32 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 24.574 ng

RT: 12.45 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_F

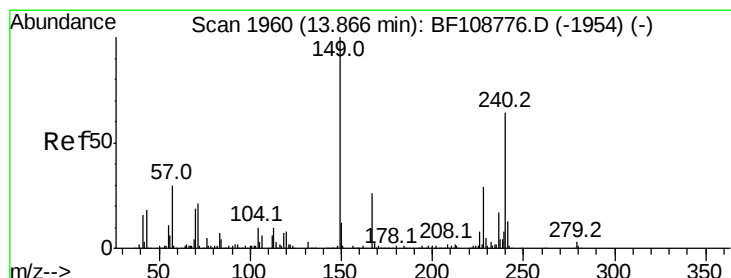
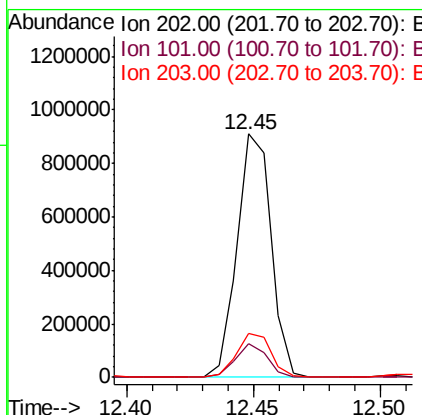
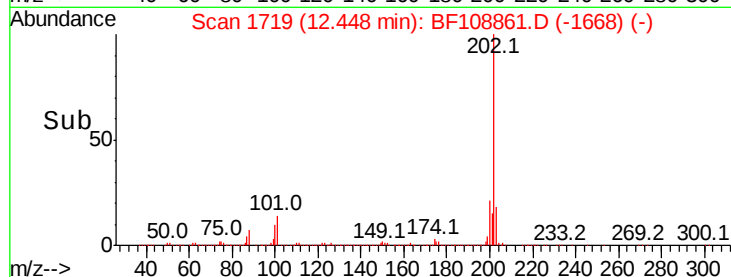
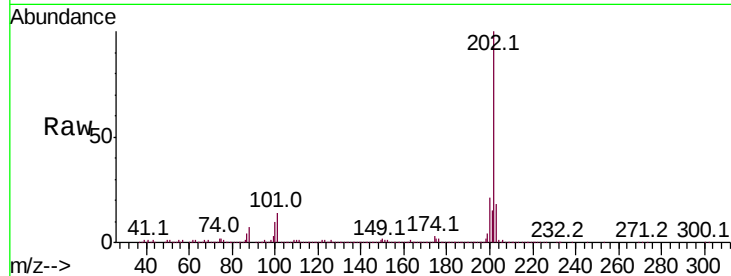
ClientSampleId :

EP1-WS-COMP-18

Tot Ion	Ratio	Resp	Lower	Upper
202	100	847174		
101	13.7	0.0	34.1	
203	18.2	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

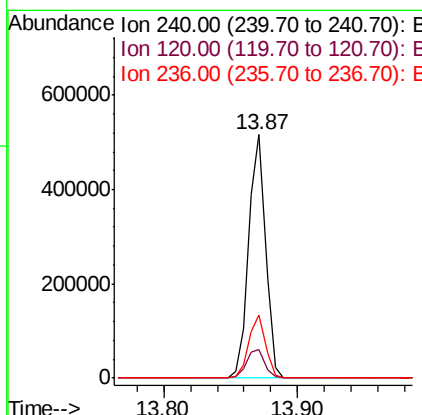
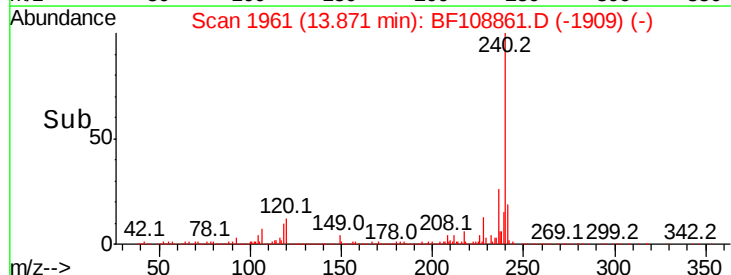
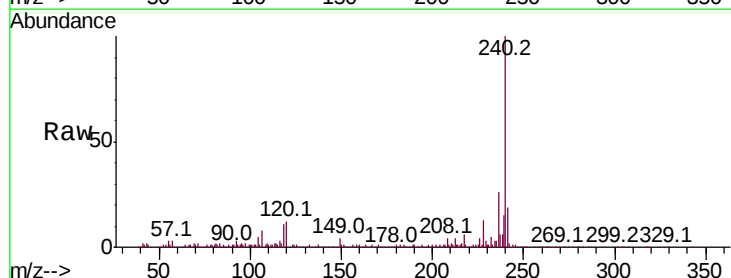
RT: 13.87 min Scan# 1961

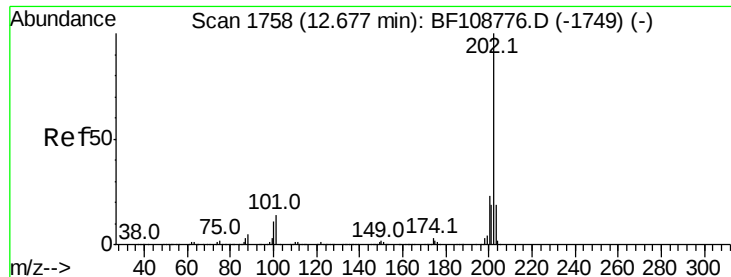
Delta R.T. 0.01 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	446336		
120	11.9	9.5	14.3	
236	25.8	20.7	31.1	





#77

Pvrene

Concen: 23.428 ng

RT: 12.68 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_F

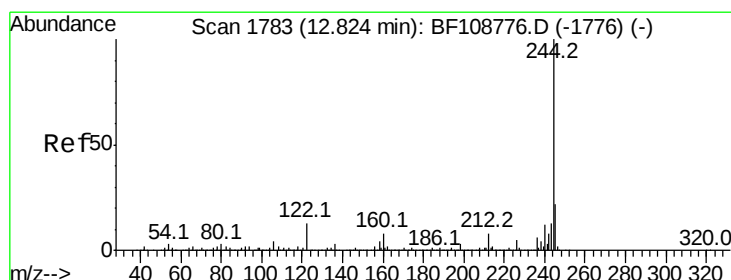
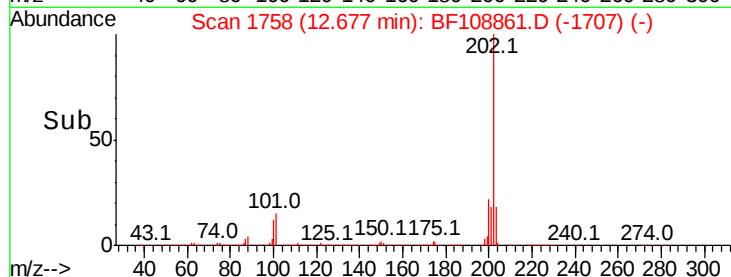
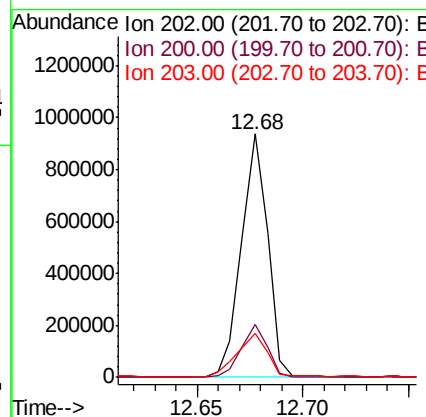
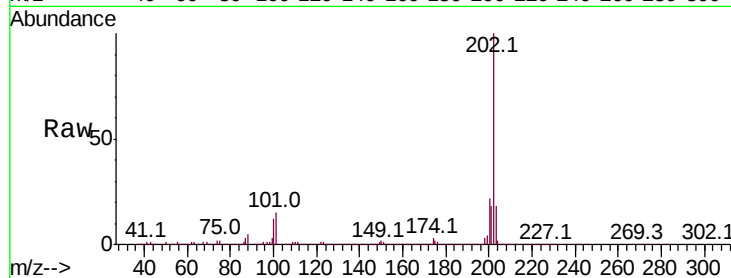
ClientSampleId :

EP1-WS-COMP-18

Tot Ion:	202	Resp:	804616
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 68.479 ng

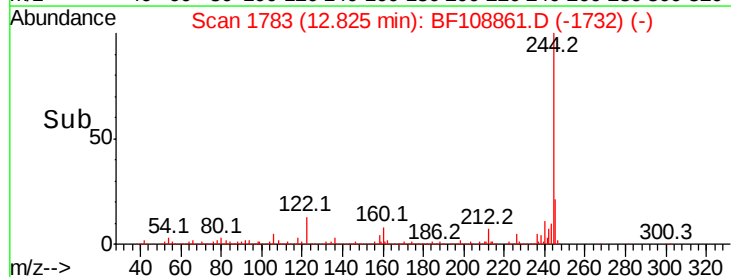
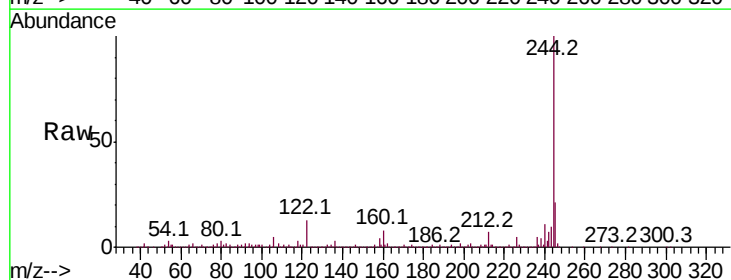
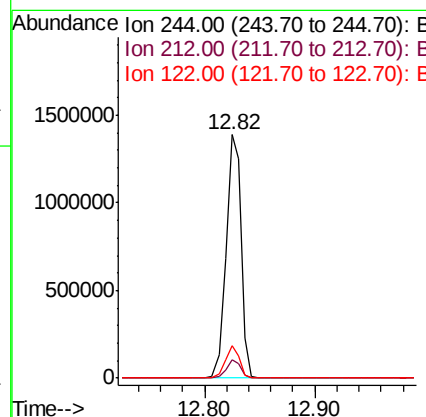
RT: 12.82 min Scan# 1783

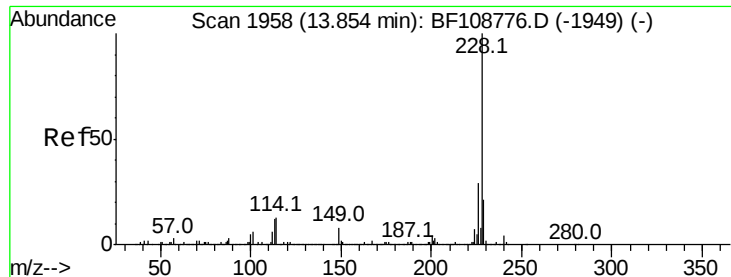
Delta R.T. 0.00 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Tgt Ion:	244	Resp:	1310720
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.4	8.0
122	13.4	11.0	16.4





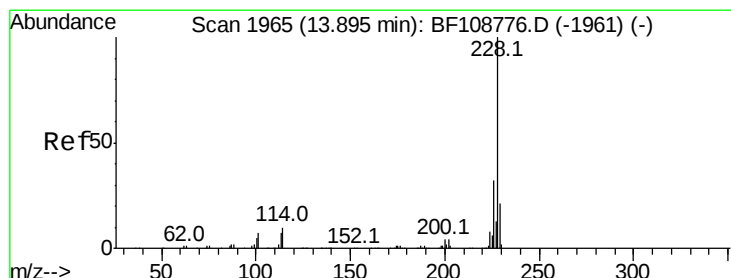
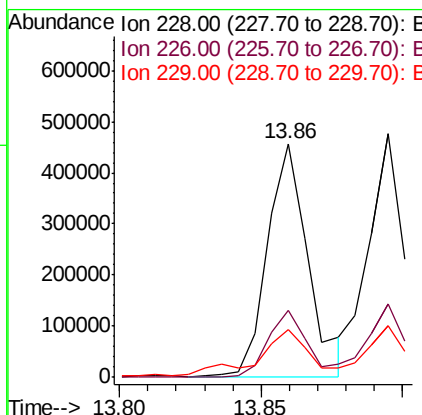
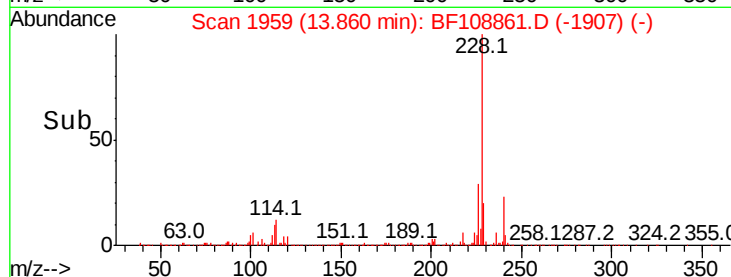
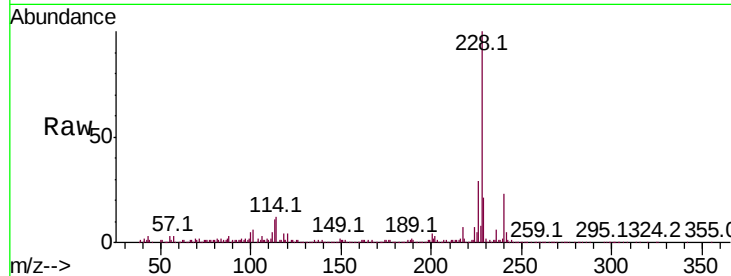
#80
Benzo(a)anthracene
Concen: 15.887 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.6	15.8	23.6

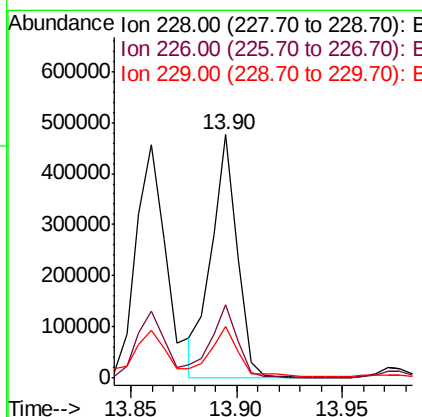
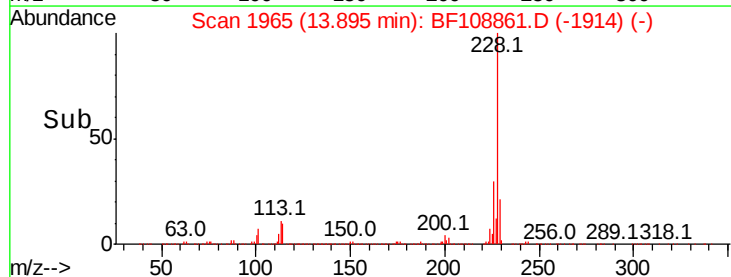
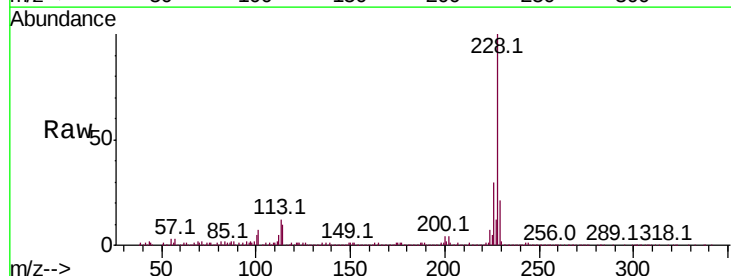
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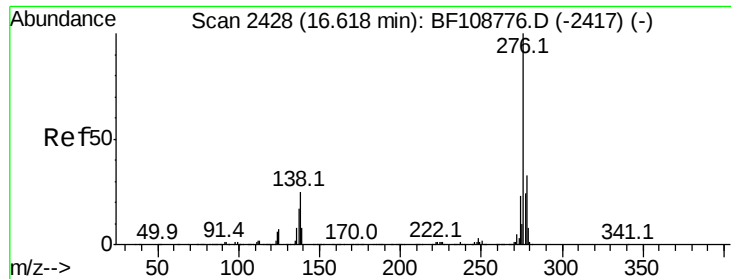
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#82
Chrysene
Concen: 14.595 ng
RT: 13.90 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.0	16.2	24.4





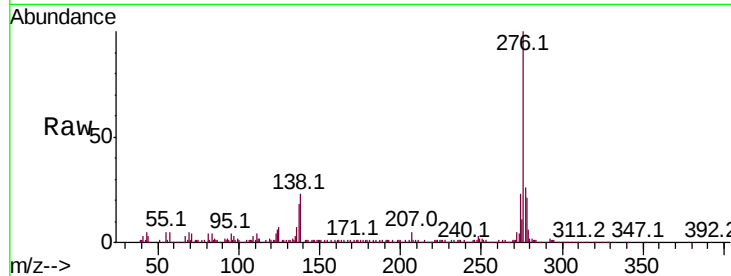
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.137 ng/ml
RT: 16.63 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100	272974		
138	4.9	25.0	37.6#	
277	5.1	20.1	30.1#	

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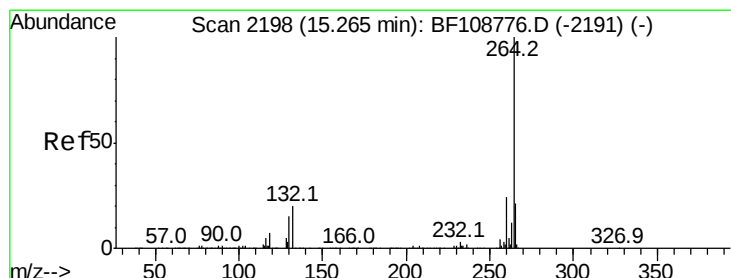
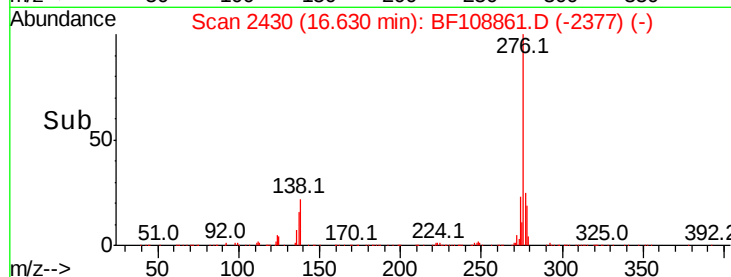
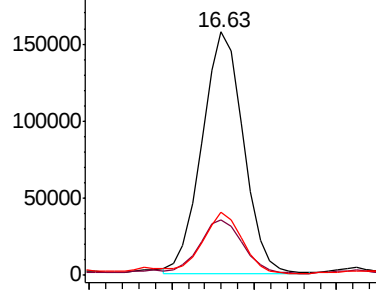


Abundance

Ion 276.00 (275.70 to 276.70): E

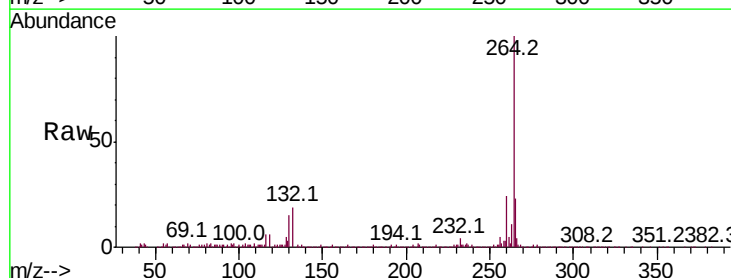
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	549150		
260	24.0	19.2	28.8	
265	23.2	17.5	26.3	

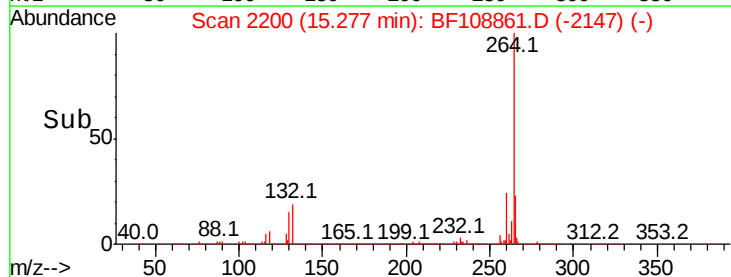
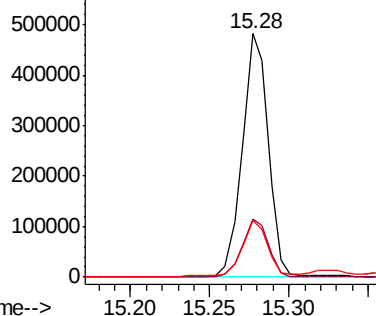


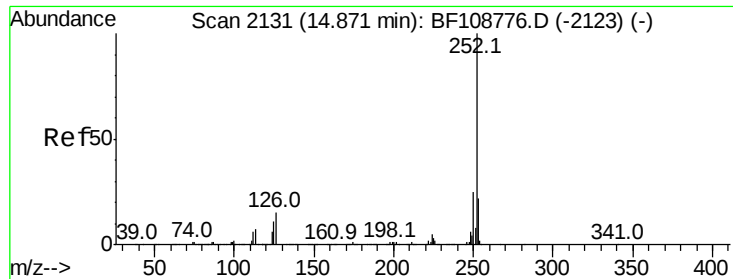
Abundance

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





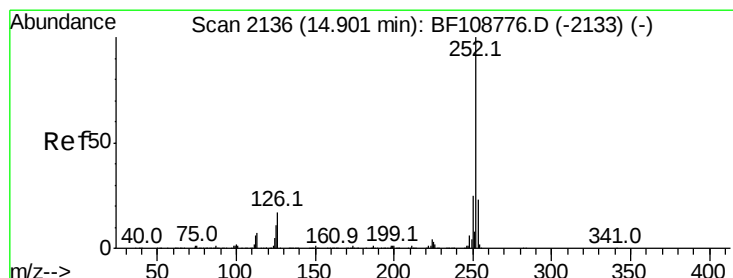
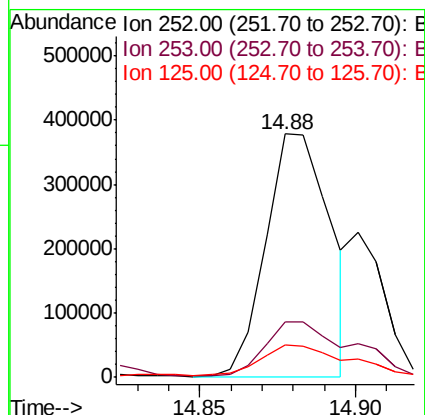
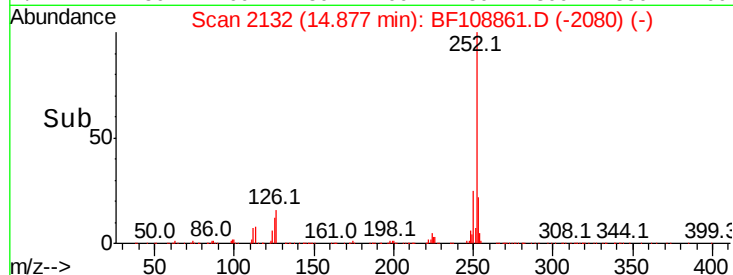
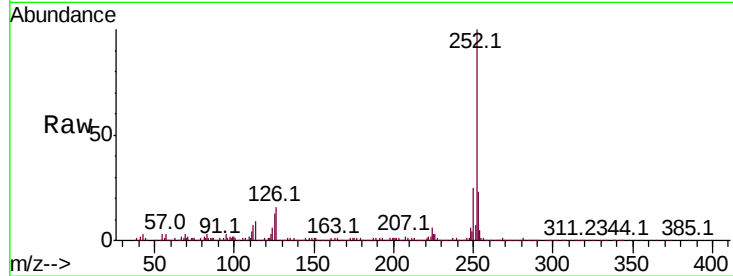
#87
Benzo(b)fluoranthene
Concen: 18.234 ng m
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.2	9.0	13.6

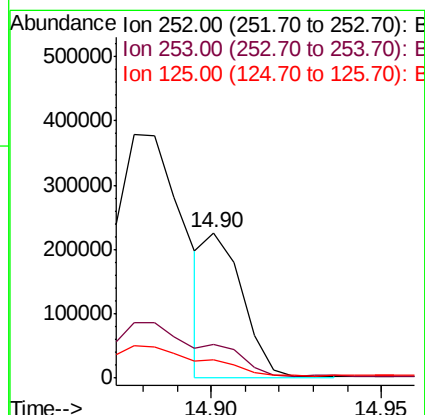
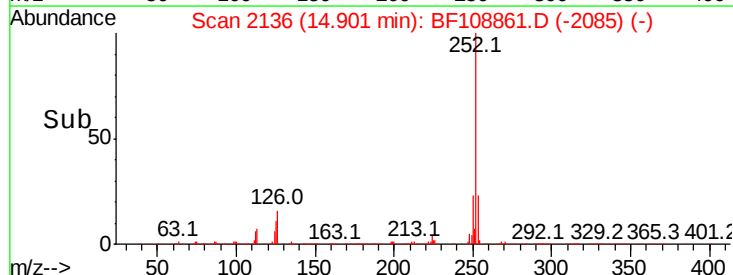
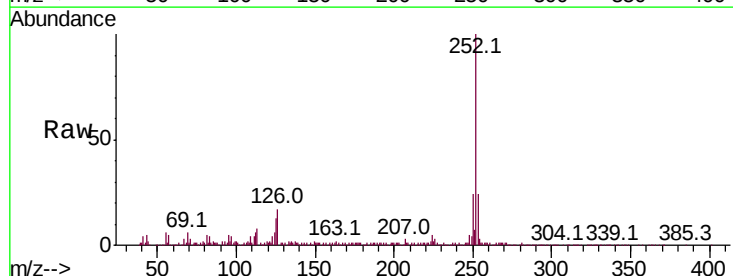
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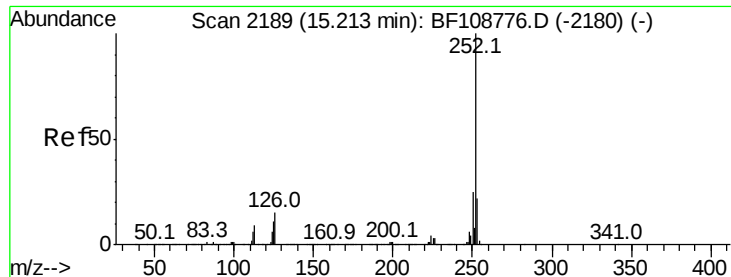
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#88
Benzo(k)fluoranthene
Concen: 6.331 ng m
RT: 14.90 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.9	10.2	15.2





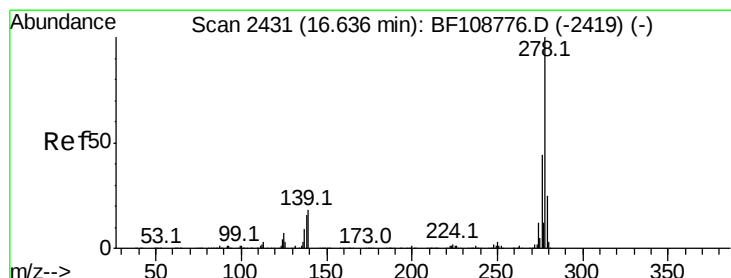
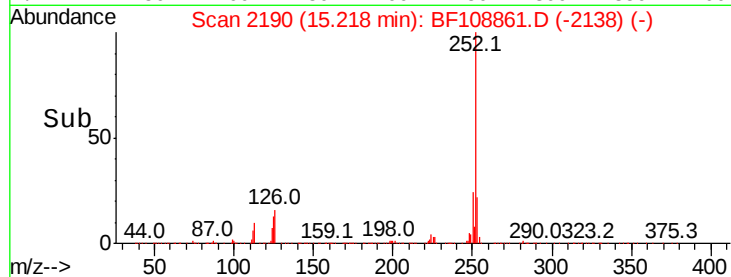
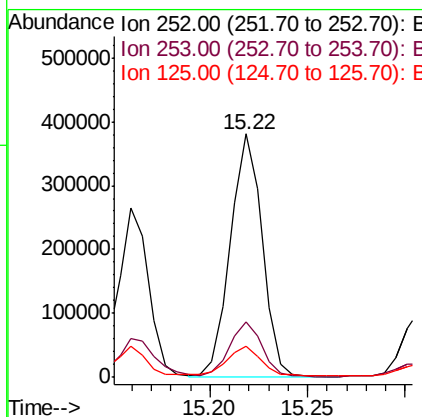
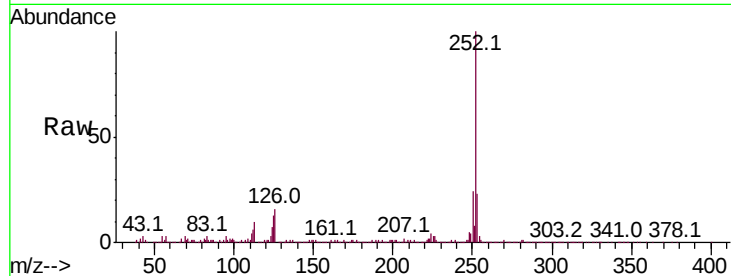
#89
Benzo(a)pyrene
Concen: 15.878 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.7	9.8	14.6

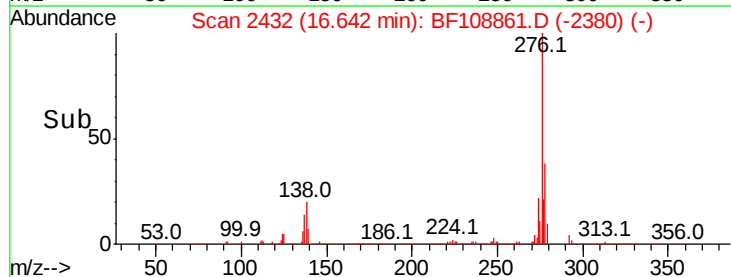
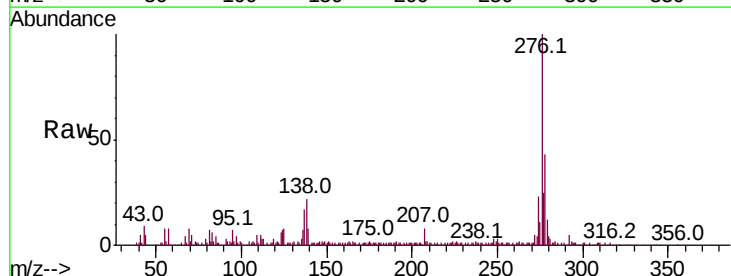
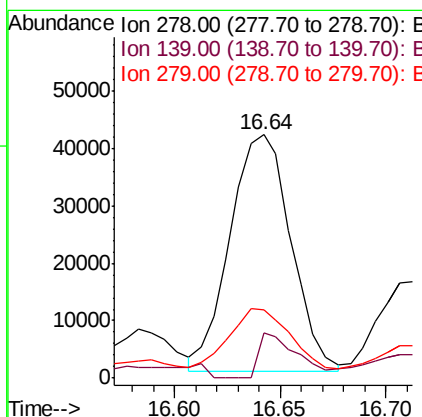
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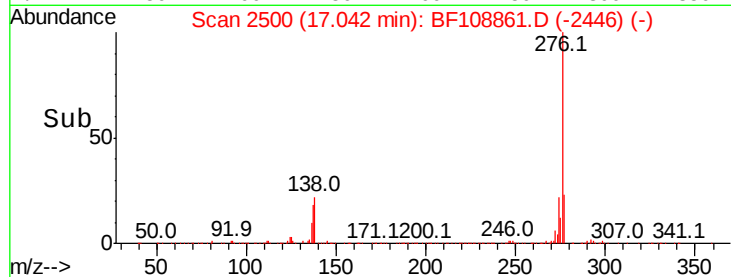
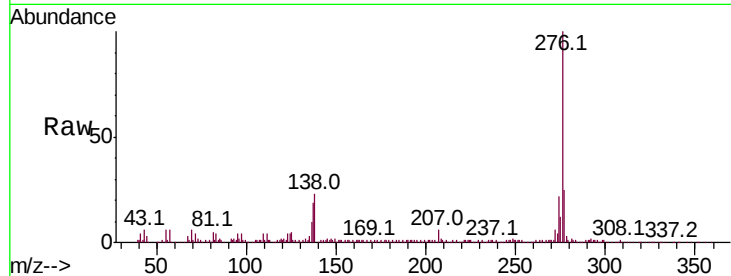
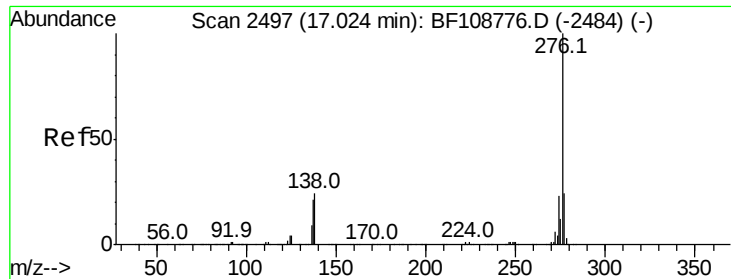
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#90
Dibenzo(a,h)anthracene
Concen: 3.489 ng
RT: 16.64 min Scan# 2432
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.9	23.9
279	27.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 10.793 ng

RT: 17.04 min Scan# 2500

Delta R.T. 0.02 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18

Tot Ion: 276 Resp: 256550

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 23.1 21.8 32.8

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