

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
 Data File : BF108933.D
 Acq On : 11 Sep 2018 14:21
 Operator : JU/SJ
 Sample : J4825-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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 9/12/2018 9:11:51 AM

Quant Time: Sep 11 15:12:51 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	186401	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	678268	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	301456	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	481878	20.00	ng	0.00
75) Chrysene-d12	13.87	240	368009	20.00	ng	0.00
86) Perylene-d12	15.28	264	469404	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	938212	83.38	ng	0.02
7) Phenol-d6	6.37	99	1211021	83.65	ng	0.00
23) Nitrobenzene-d5	7.30	82	770660	71.11	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	219771	76.37	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1290459	73.03	ng	0.00
78) Terphenyl-d14	12.83	244	915008	57.98	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.48	163	325635	15.444	ng	99
70) Phenanthrene	11.27	178	404414	17.574	ng	99
71) Anthracene	11.32	178	105267	4.778	ng	98
74) Fluoranthene	12.45	202	563853	24.748	ng	97
77) Pyrene	12.68	202	558389	19.719	ng	99
80) Benzo(a)anthracene	13.86	228	363321	15.403	ng	99
82) Chrysene	13.89	228	346154	15.159	ng	98
85) Indeno(1,2,3-cd)pyrene	16.64	276	255705m	12.653	ng	
87) Benzo(b)fluoranthene	14.88	252	482487m	18.903	ng	
88) Benzo(k)fluoranthene	14.91	252	131112m	5.578	ng	
89) Benzo(a)pyrene	15.22	252	343836	14.930	ng	96
90) Dibenzo(a,h)anthracene	16.65	278	75815	3.736	ng	94
91) Benzo(a,h,i)perylene	17.05	276	245908	12.102	ng	95

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

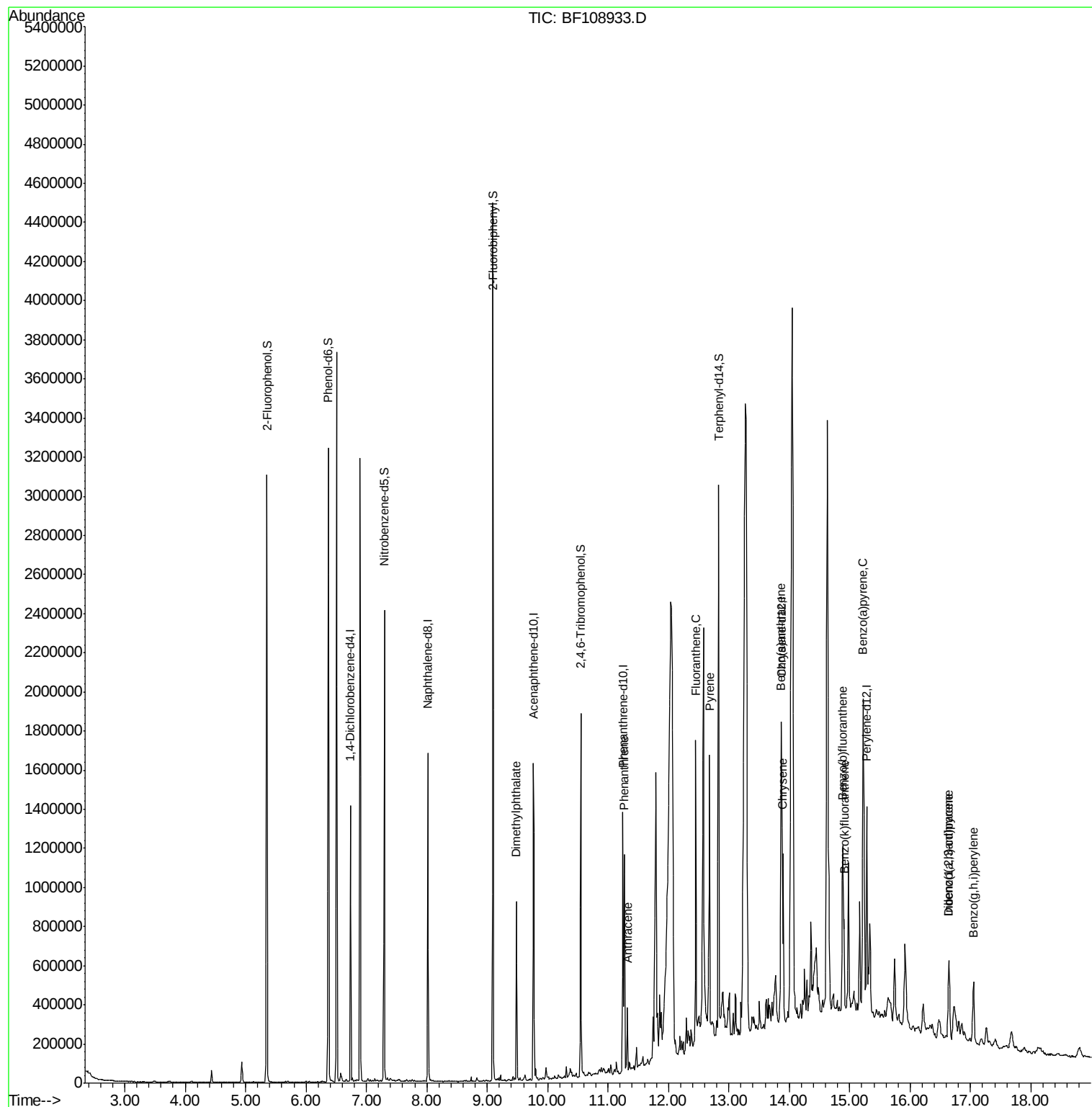
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

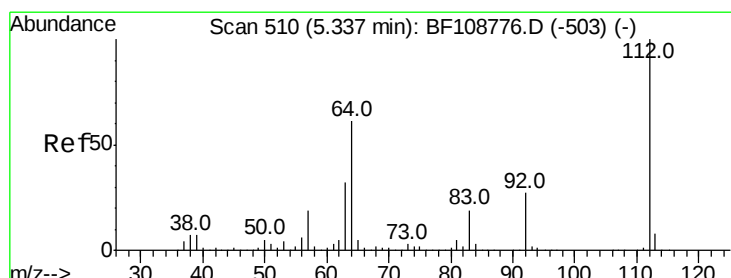
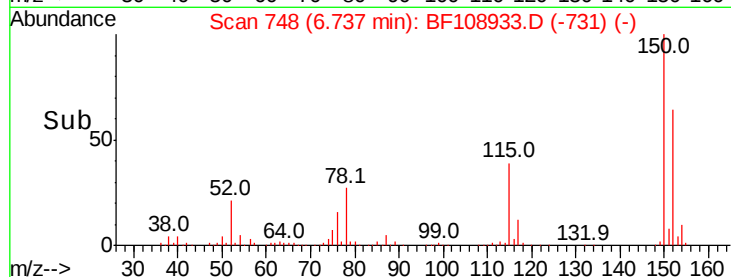
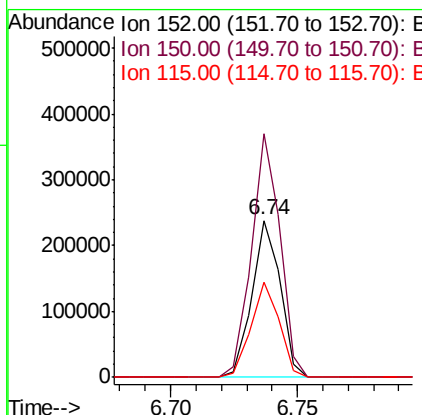
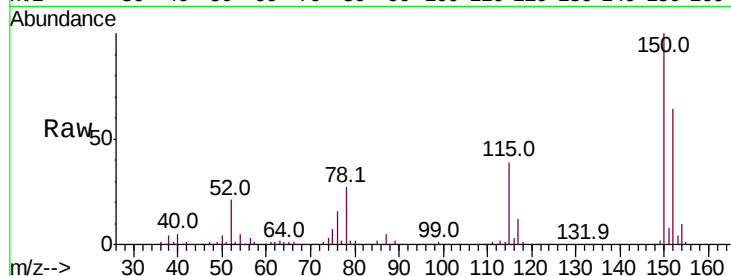
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.5	50.1	75.1

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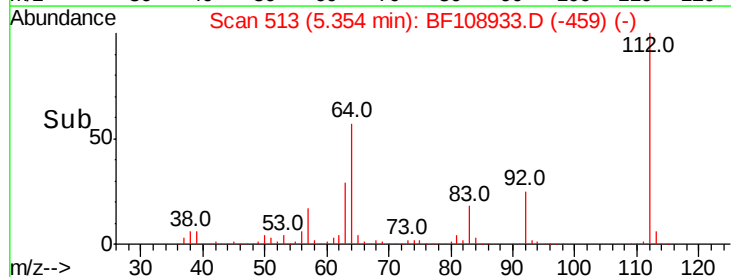
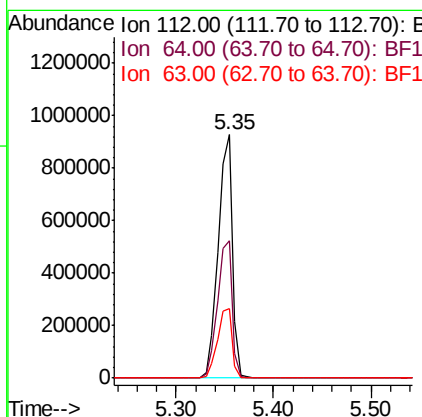
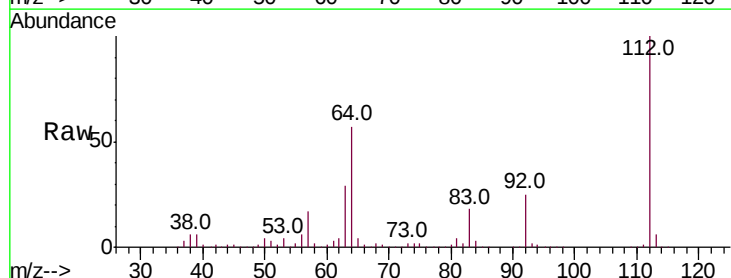
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#5

2-Fluorophenol
Concen: 83.385 ng
RT: 5.35 min Scan# 513
Delta R.T. 0.02 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 83.652 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18

Tot Ion: 99 Resp: 1211021

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

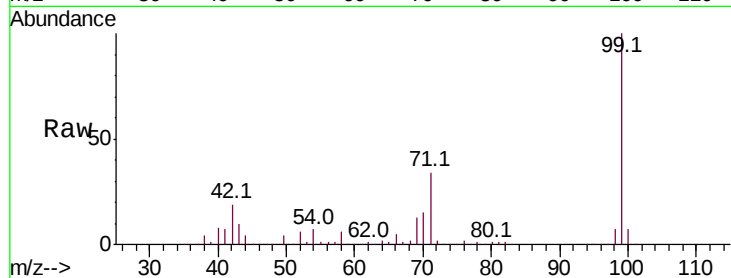
71 34.3 25.4 38.0

Manual Integrations

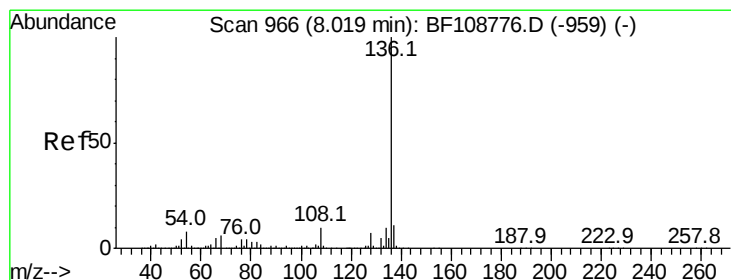
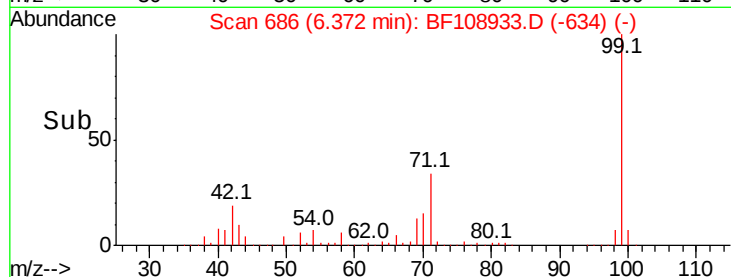
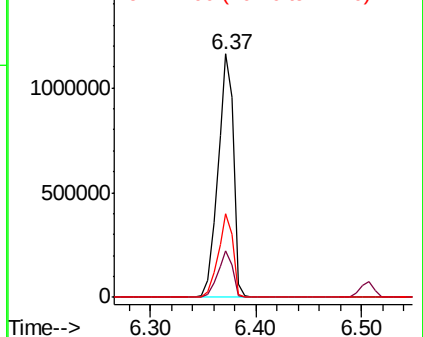
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Tgt Ion: 136 Resp: 678268

Ion Ratio Lower Upper

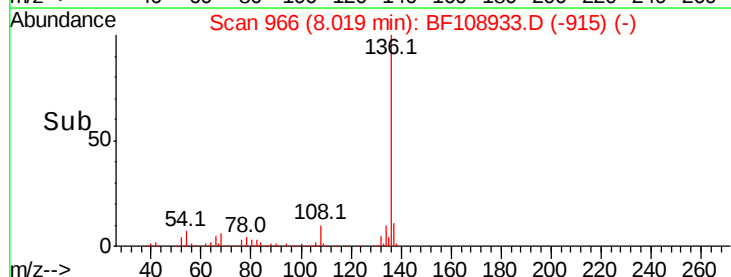
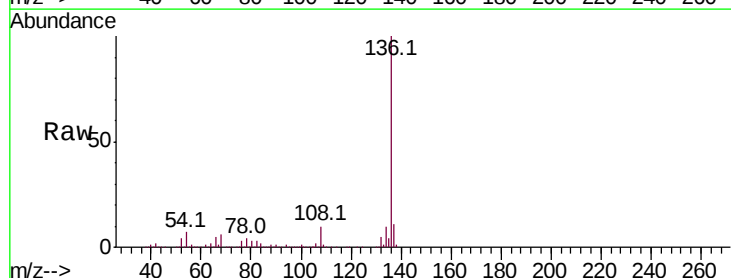
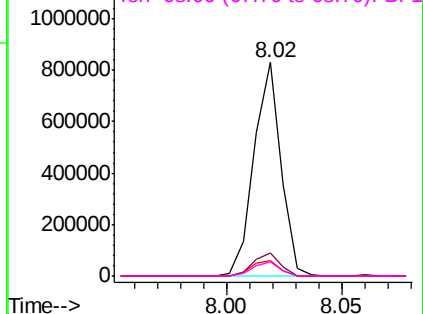
136 100

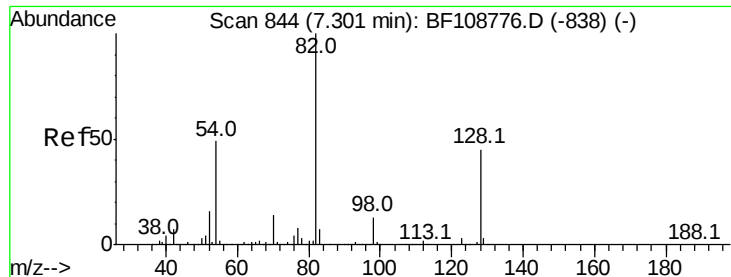
137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 6.4 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





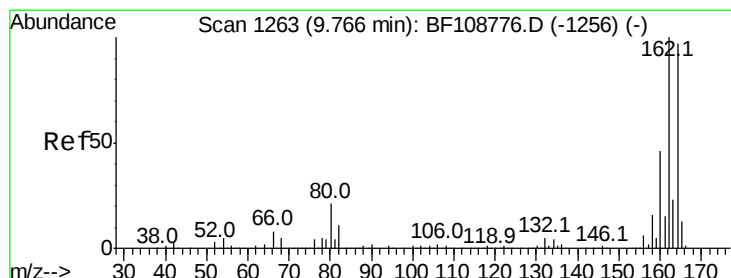
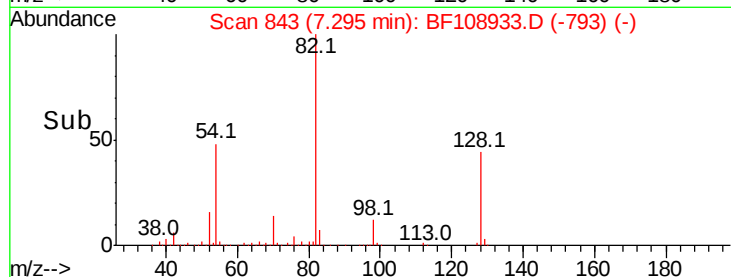
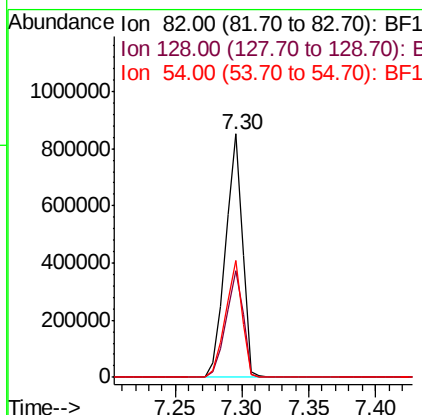
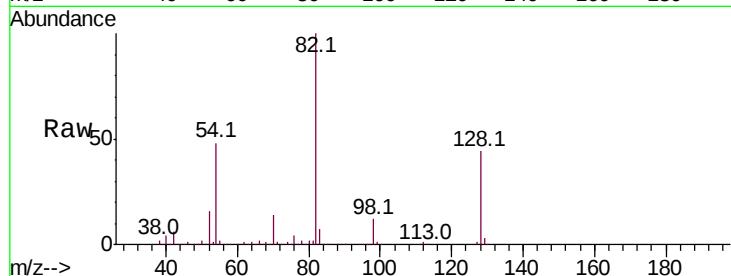
#23
 Nitrobenzene-d5
 Concen: 71.106 ng
 RT: 7.30 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	48.1	41.4	62.2

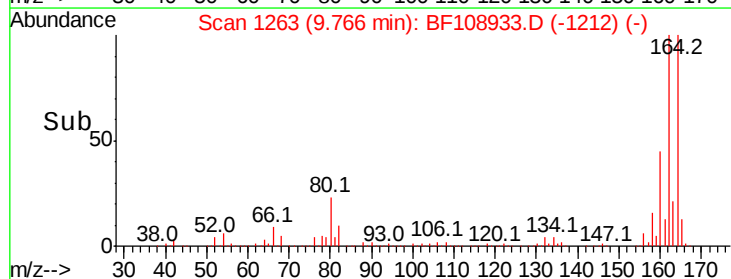
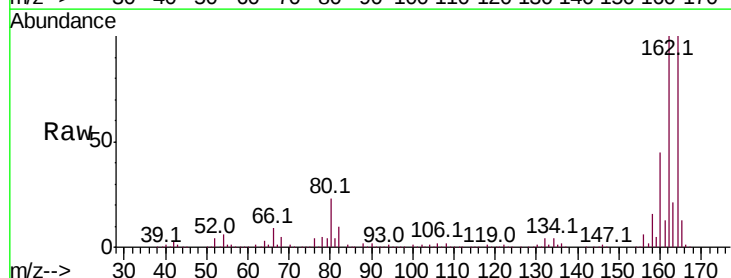
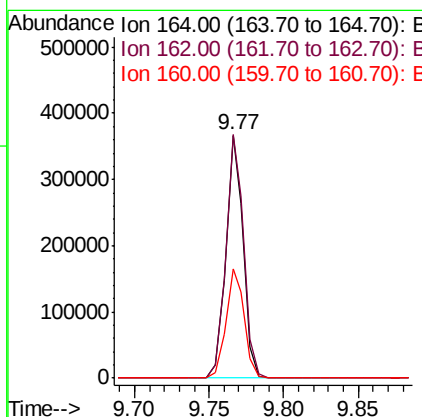
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	86.1	129.1
160	44.7	38.3	57.5





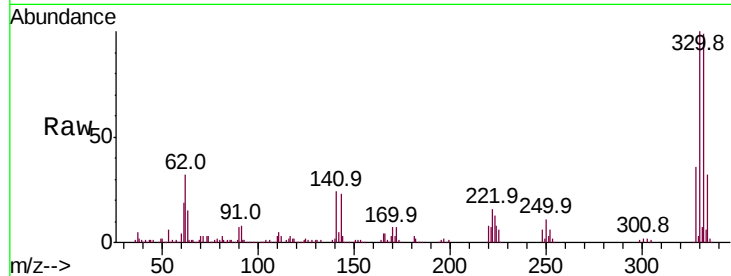
#41
 2,4,6-Tribromophenol
 Concen: 76.367 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	32.4	29.9	44.9

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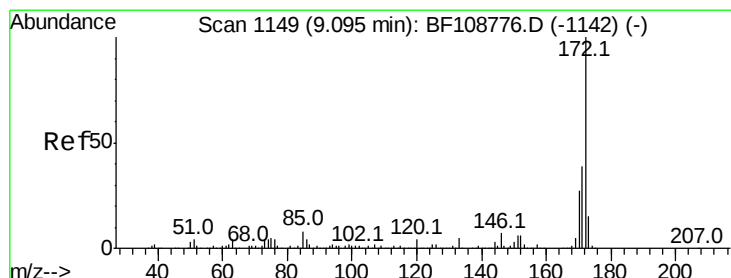
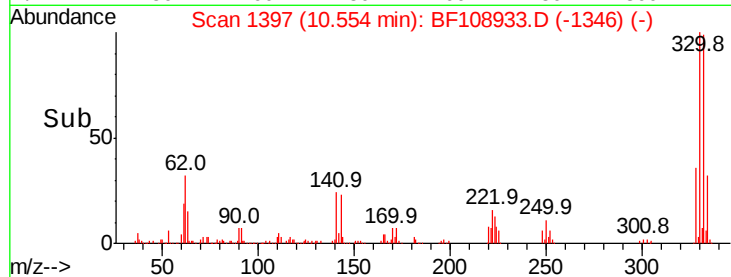
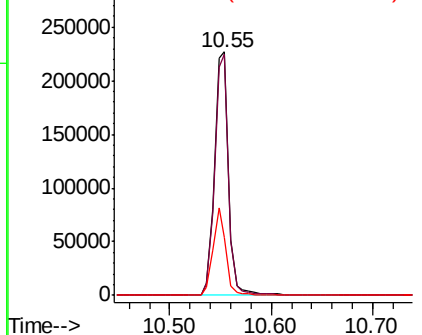


Abundance

Ion 329.80 (329.50 to 330.50): E

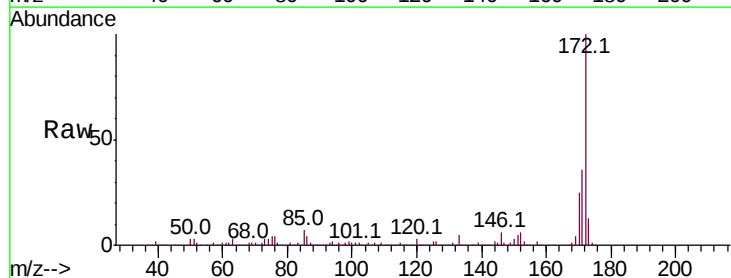
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.029 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	19.6	29.4

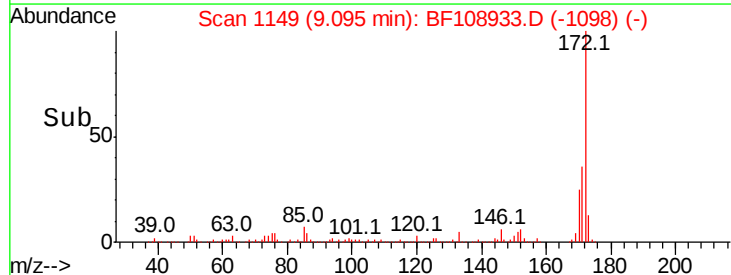
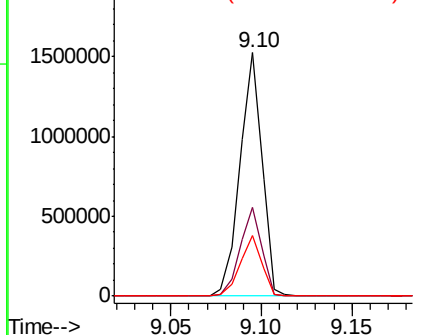


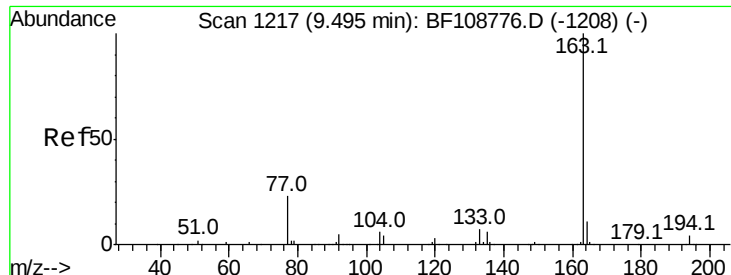
Abundance

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





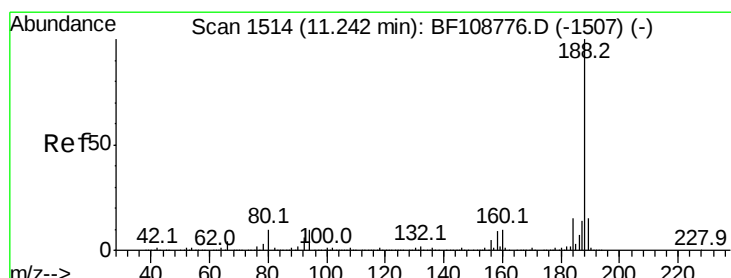
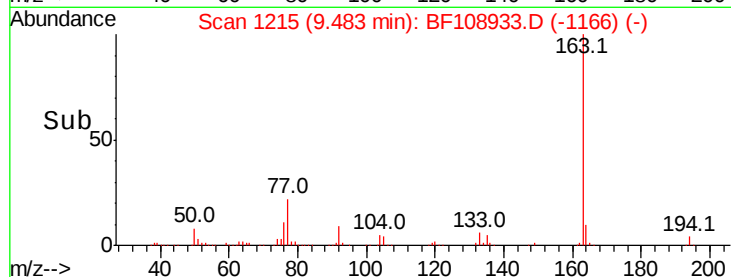
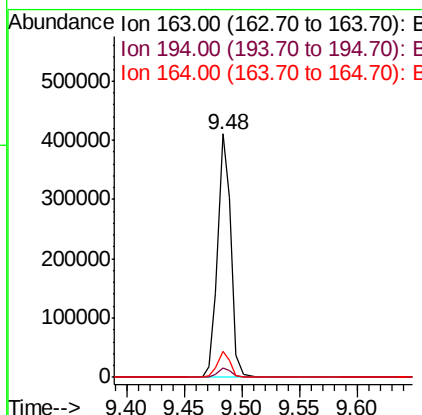
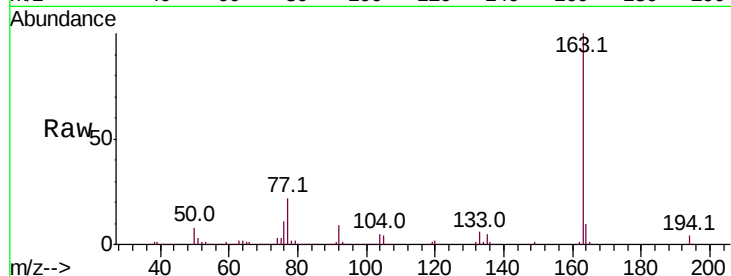
#49
Dimethylphthalate
Concen: 15.444 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.7	4.1	
164	10.5	8.2	12.2	

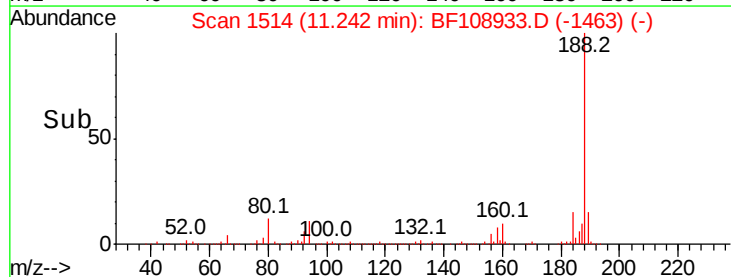
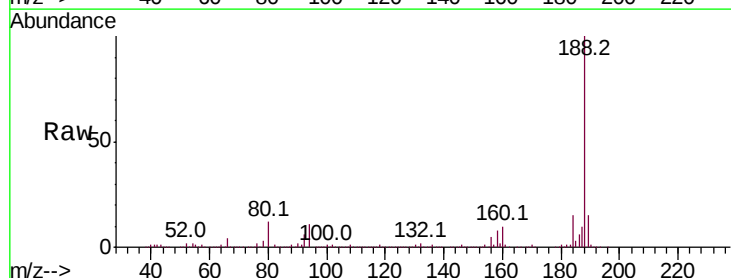
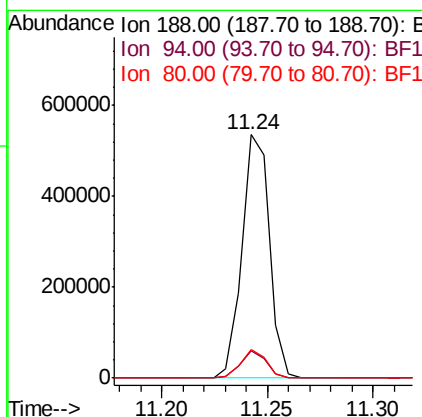
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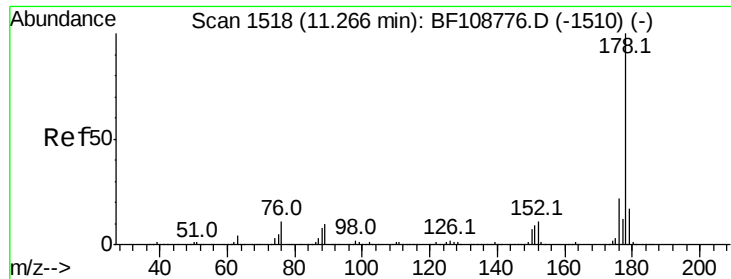
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.2	8.5	12.7	
80	11.9	9.2	13.8	





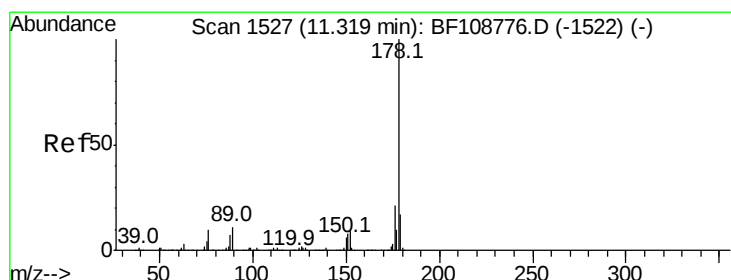
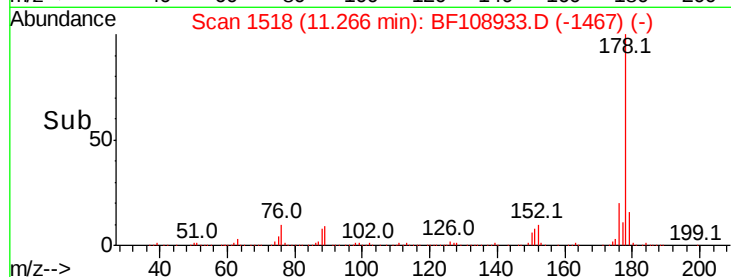
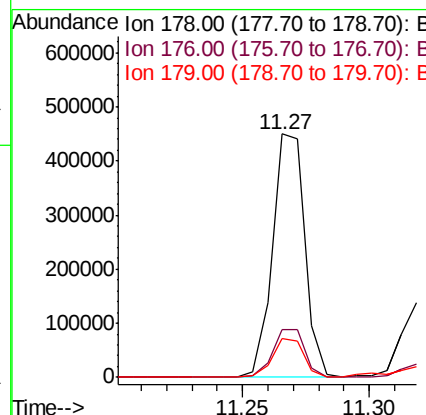
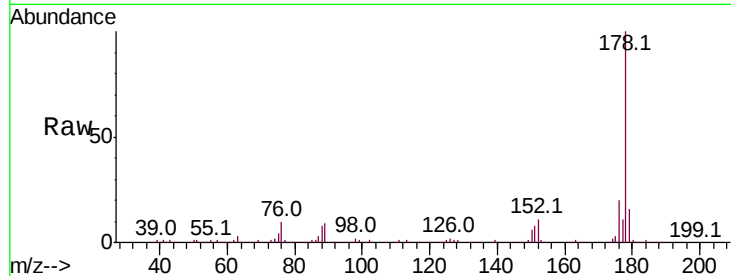
#70
Phenanthrene
Concen: 17.574 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6

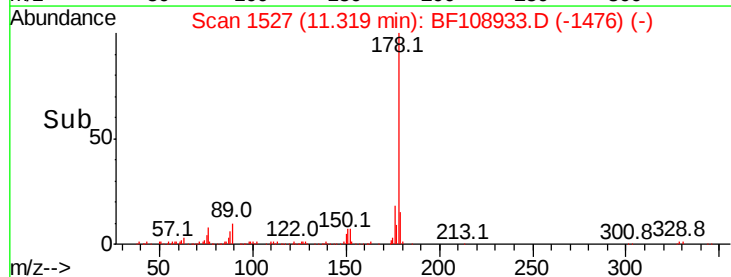
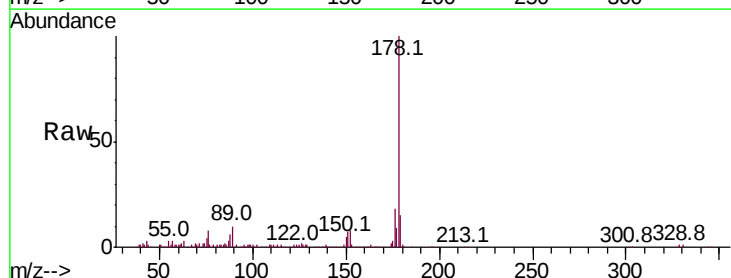
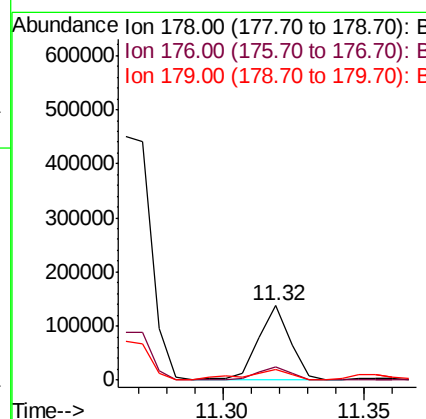
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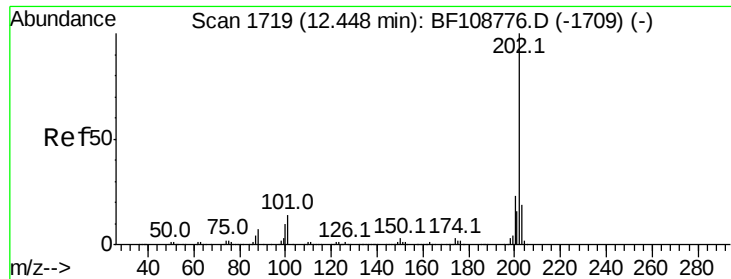
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#71
Anthracene
Concen: 4.778 ng
RT: 11.32 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.9	12.6	19.0





#74

Fluoranthene

Concen: 24.748 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

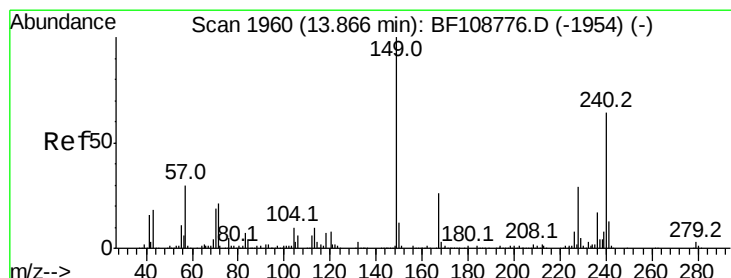
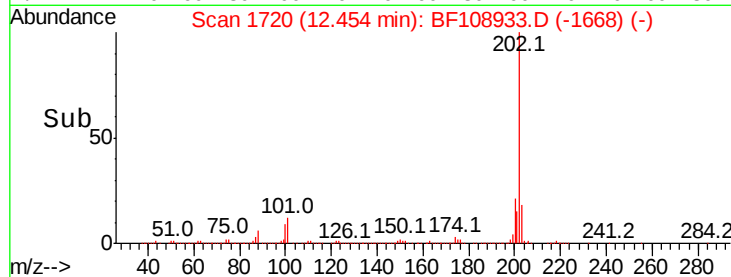
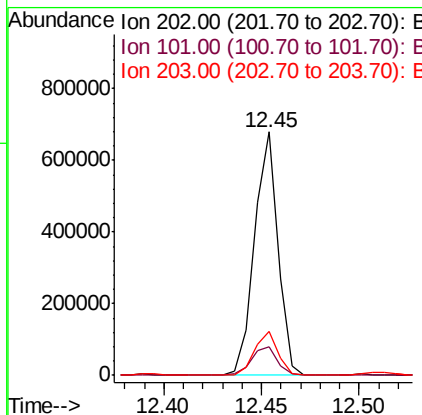
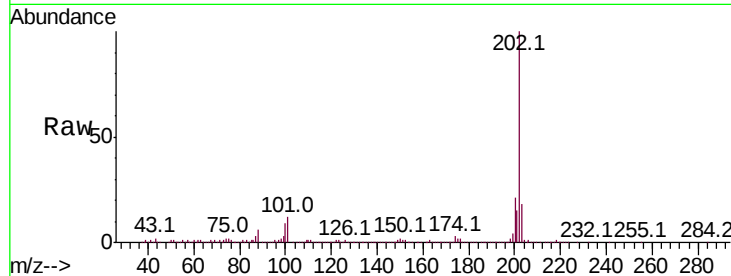
ClientSampleId :

EP1-WS-COMP-18

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

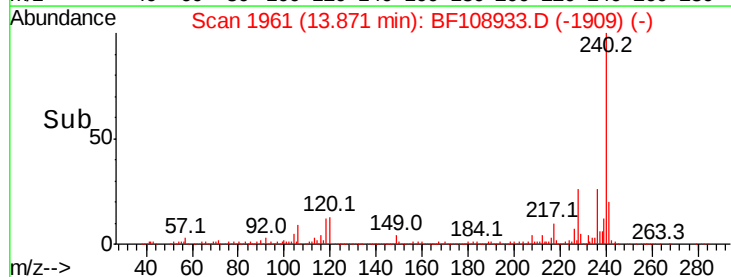
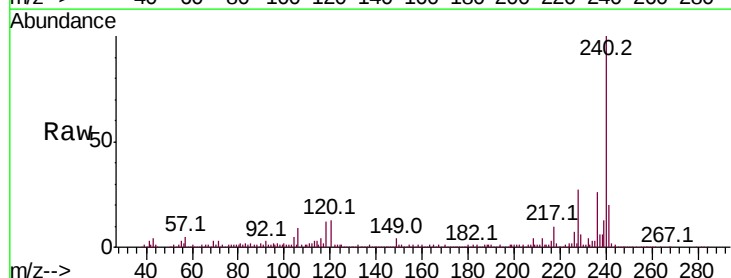
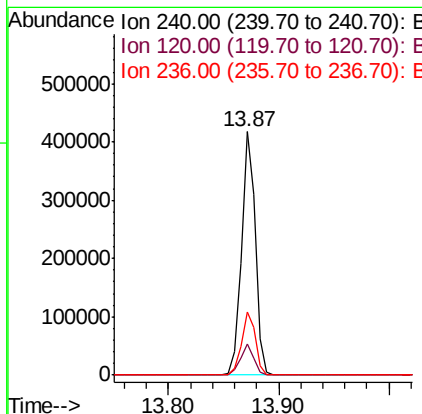
RT: 13.87 min Scan# 1961

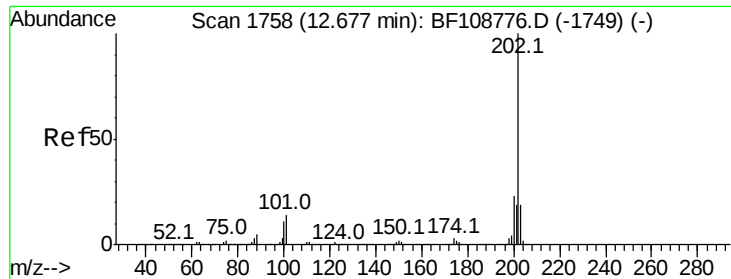
Delta R.T. 0.01 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.9	20.7	31.1





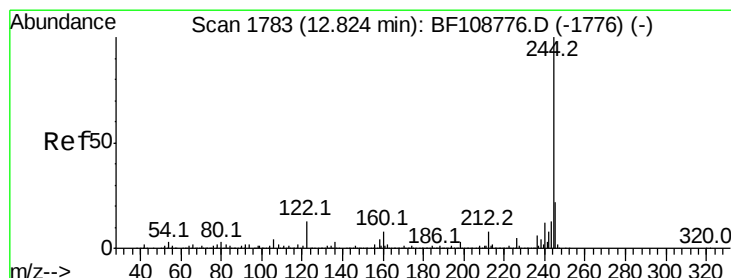
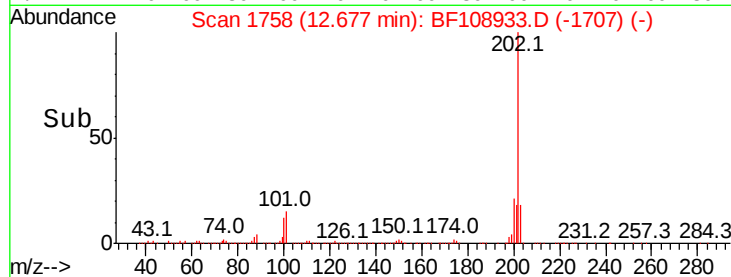
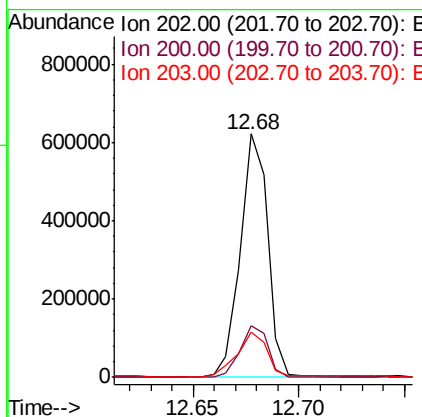
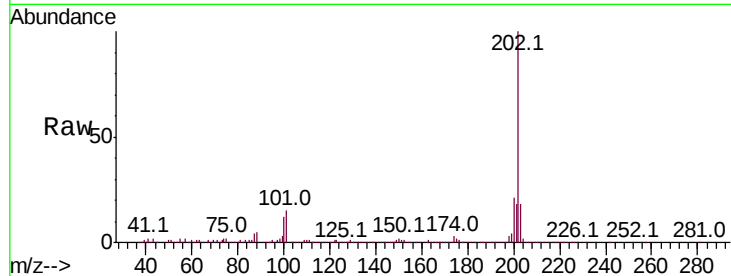
#77
Pvrene
Concen: 19.719 ng
RT: 12.68 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.5	14.3	21.5

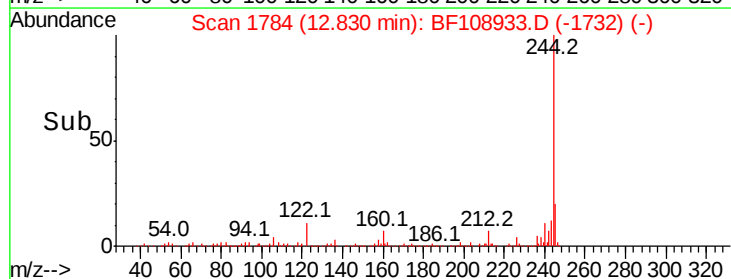
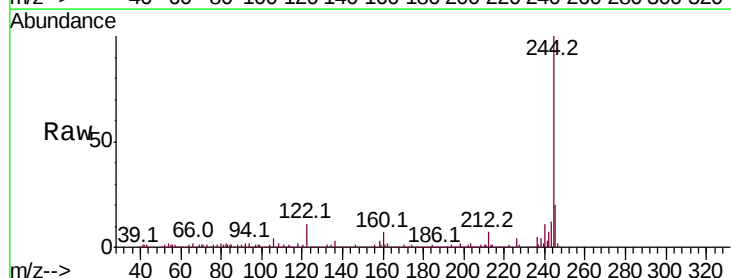
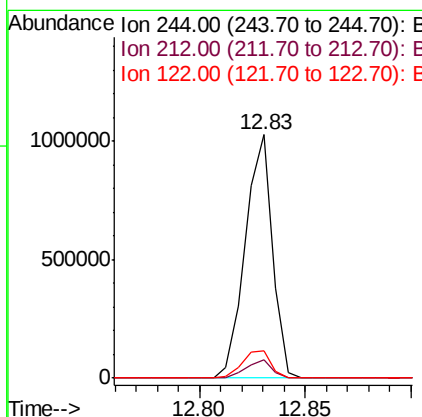
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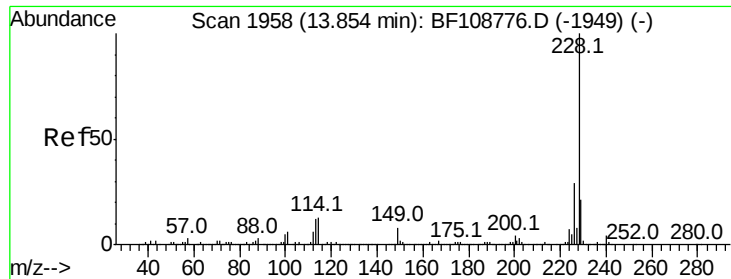
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#78
Terphenyl-d14
Concen: 57.980 ng
RT: 12.83 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.2	11.0	16.4





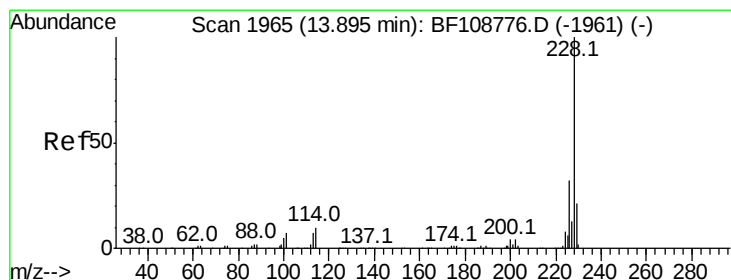
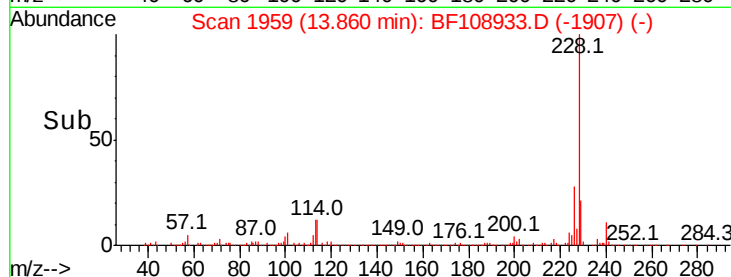
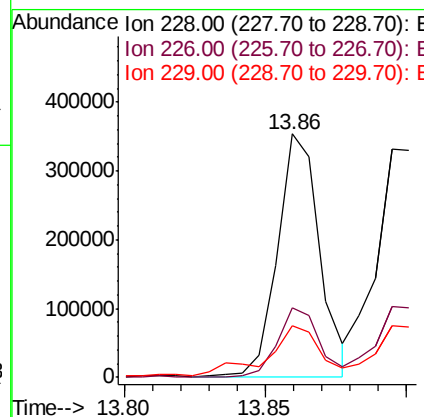
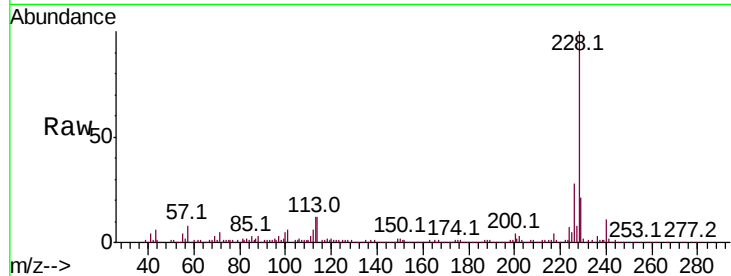
#80
Benzo(a)anthracene
Concen: 15.403 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.0	15.8	23.6

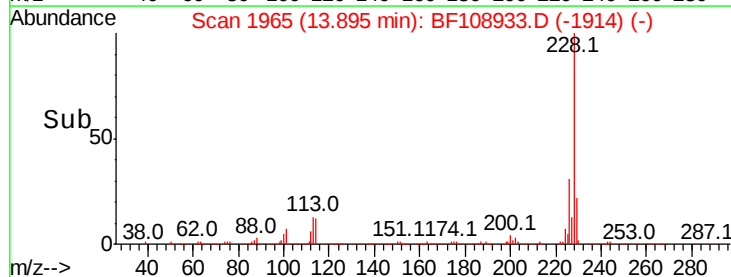
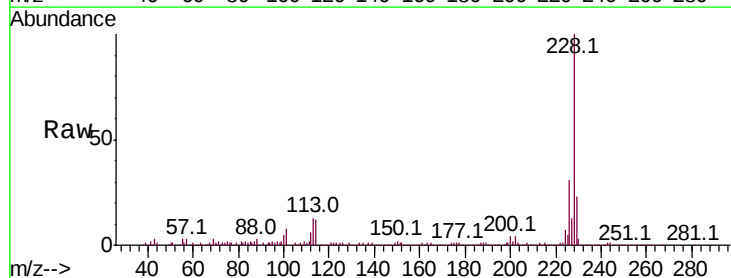
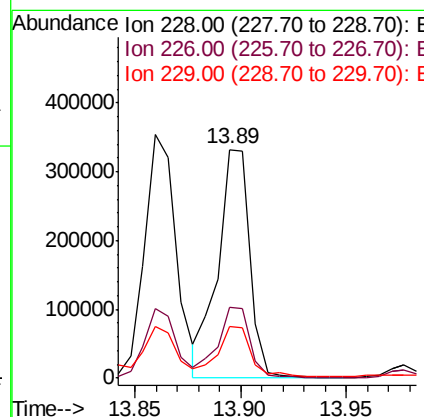
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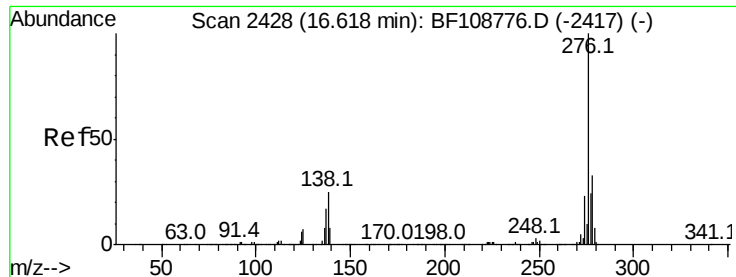
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#82
Chrysene
Concen: 15.159 ng
RT: 13.89 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.5	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 12.653 ng

RT: 16.64 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BF108933.D

Acq: 11 Sep 2018 14:21

Instrument :

BNA_F

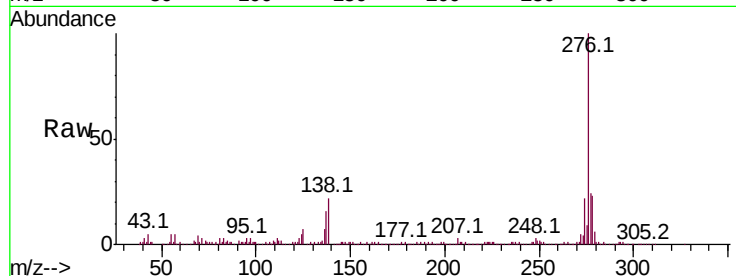
ClientSampleId :

EP1-WS-COMP-18

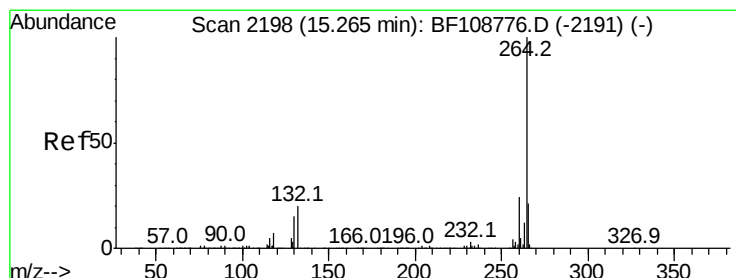
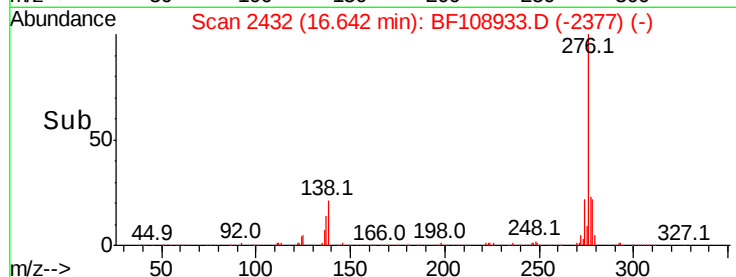
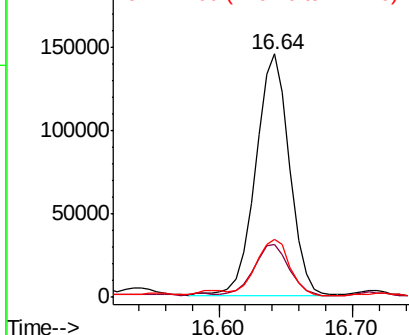
Tot Ion	Ratio	Lower	Upper
276	100		
138	5.1	25.0	37.6#
277	5.0	20.1	30.1#

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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

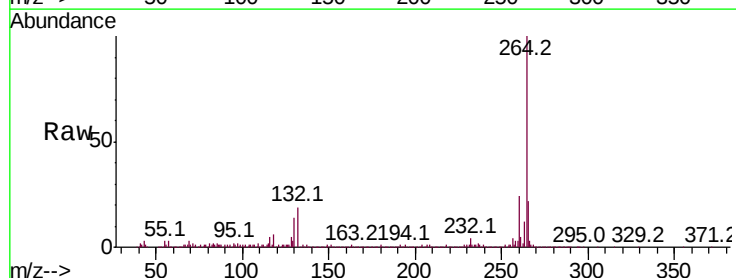
RT: 15.28 min Scan# 2201

Delta R.T. 0.02 min

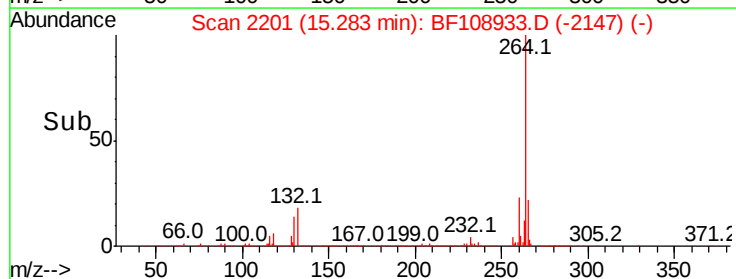
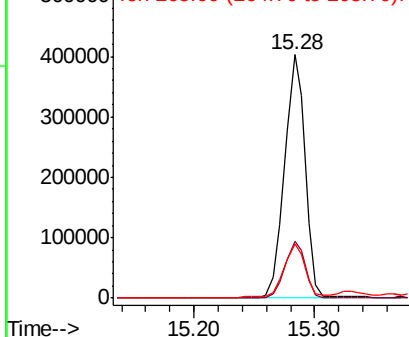
Lab File: BF108933.D

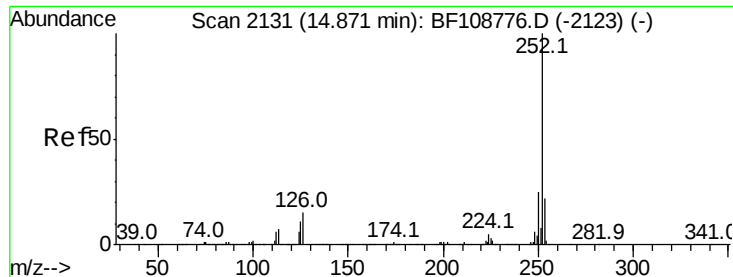
Acq: 11 Sep 2018 14:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	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





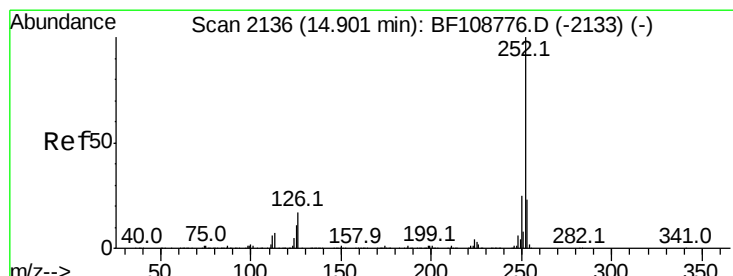
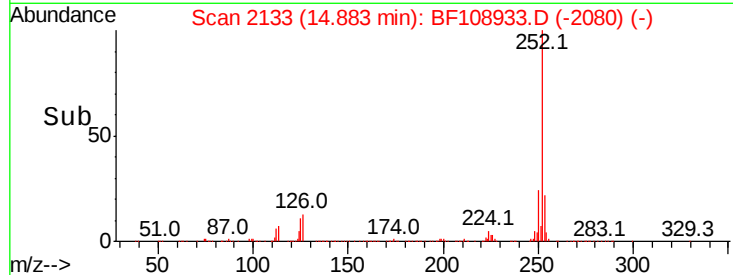
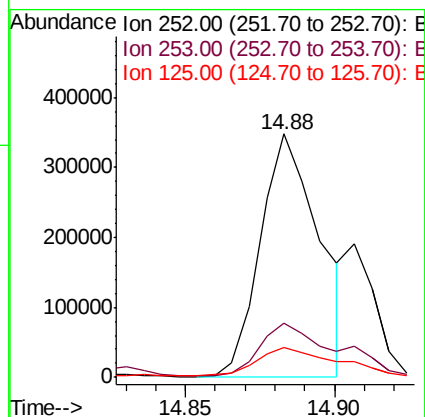
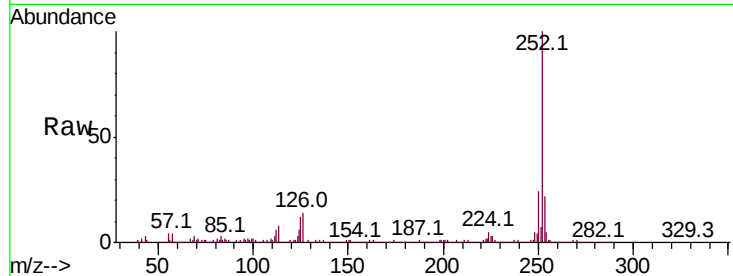
#87
Benzo(b)fluoranthene
Concen: 18.903 ng m
RT: 14.88 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion:	252	Resp:	482487
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	12.1	9.0	13.6

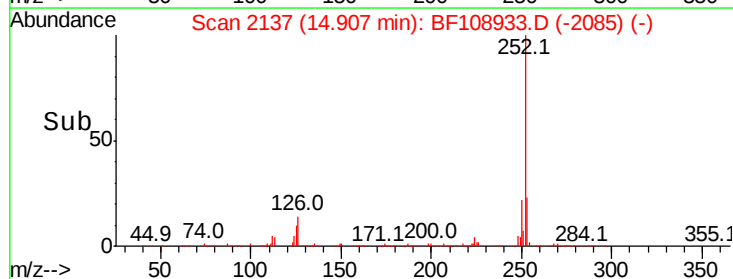
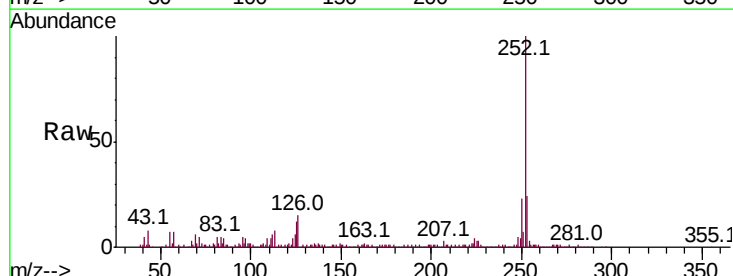
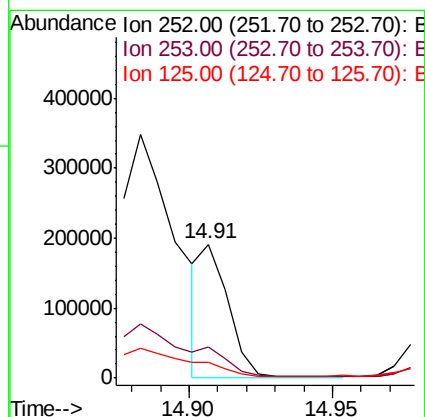
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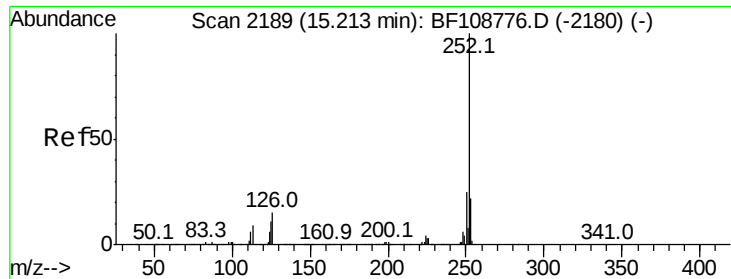
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#88
Benzo(k)fluoranthene
Concen: 5.578 ng m
RT: 14.91 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion:	252	Resp:	131112
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	12.1	10.2	15.2





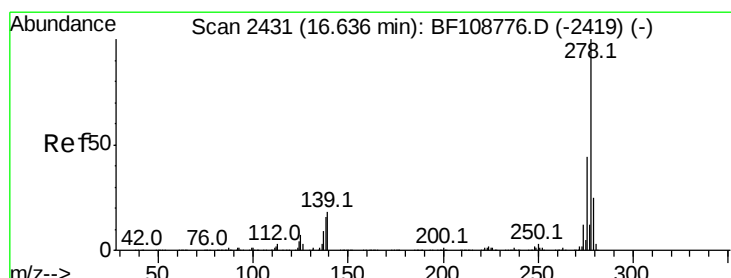
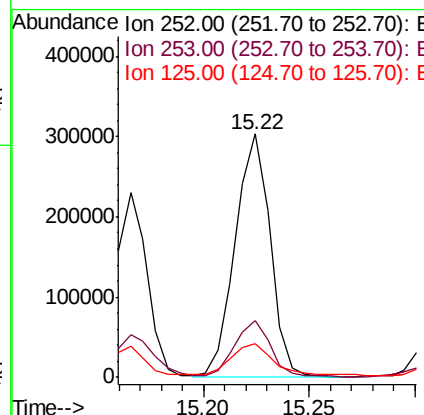
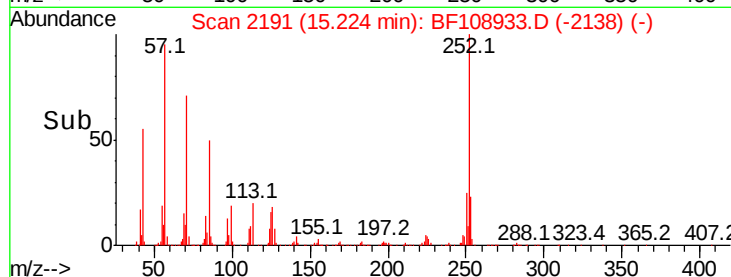
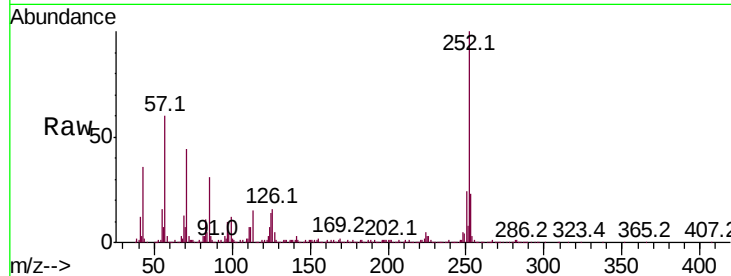
#89
Benzo(a)pyrene
Concen: 14.930 ng
RT: 15.22 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

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

Tot Ion:	252	Resp:	343836
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	13.7	9.8	14.6

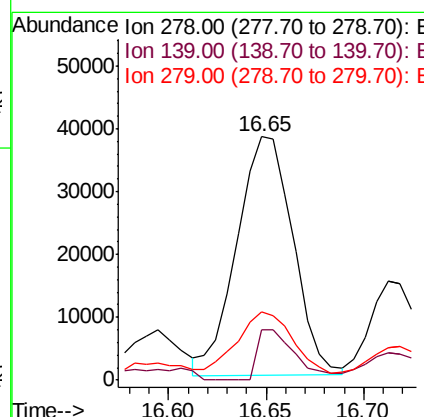
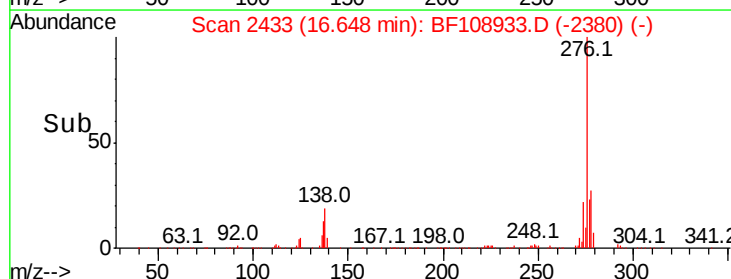
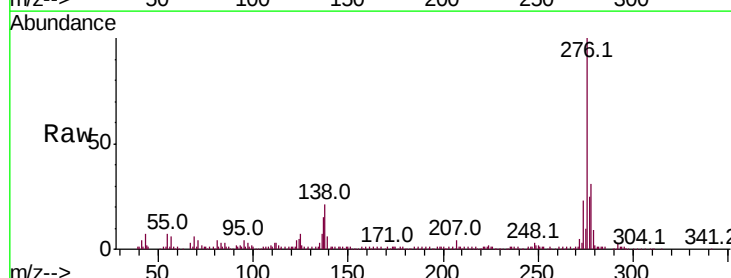
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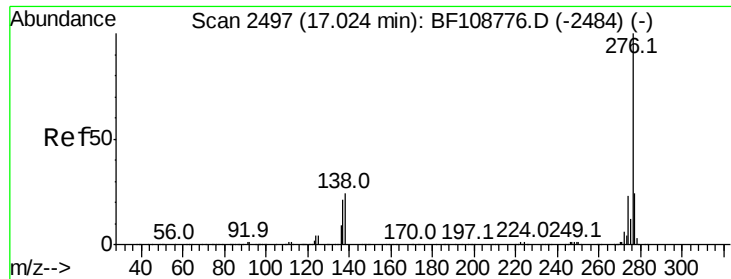
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#90
Dibenzo(a,h)anthracene
Concen: 3.736 ng
RT: 16.65 min Scan# 2433
Delta R.T. 0.01 min
Lab File: BF108933.D
Acq: 11 Sep 2018 14:21

Tgt Ion:	278	Resp:	75815
Ion Ratio	Lower	Upper	
278	100		
139	20.6	15.9	23.9
279	28.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.102 ng
 RT: 17.05 min Scan# 2501
 Delta R.T. 0.02 min
 Lab File: BF108933.D
 Acq: 11 Sep 2018 14:21

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	23.2	21.8	32.8

Manual Integrations
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