

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108506.D
 Acq On : 27 Aug 2018 13:22
 Operator : JU/SJ
 Sample : J4646-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-A5

Manual Integrations
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 8/27/2018 5:09:52 PM

Quant Time: Aug 27 14:29:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	129293	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	504294	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	254026	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	443254	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	299552	20.00	ng	0.00
86) Perylene-d12	15.75	264	288527	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	544686	76.27	ng	0.00
7) Phenol-d6	6.62	99	751760	79.22	ng	-0.01
23) Nitrobenzene-d5	7.56	82	489663	54.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	205750	81.20	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	896485	56.66	ng	-0.01
78) Terphenyl-d14	13.12	244	722030	61.29	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	168721	9.535	ng	Qvalue # 99
70) Phenanthrene	11.56	178	65107	3.114	ng	99
74) Fluoranthene	12.76	202	91356	4.004	ng	92
77) Pyrene	12.99	202	97356	5.134	ng	97
80) Benzo(a)anthracene	14.18	228	43565	2.534	ng	98
82) Chrysene	14.22	228	44095	2.798	ng	99
87) Benzo(b)fluoranthene	15.28	252	50795m	2.946	ng	
89) Benzo(a)pyrene	15.68	252	36902	2.390	ng	# 94

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

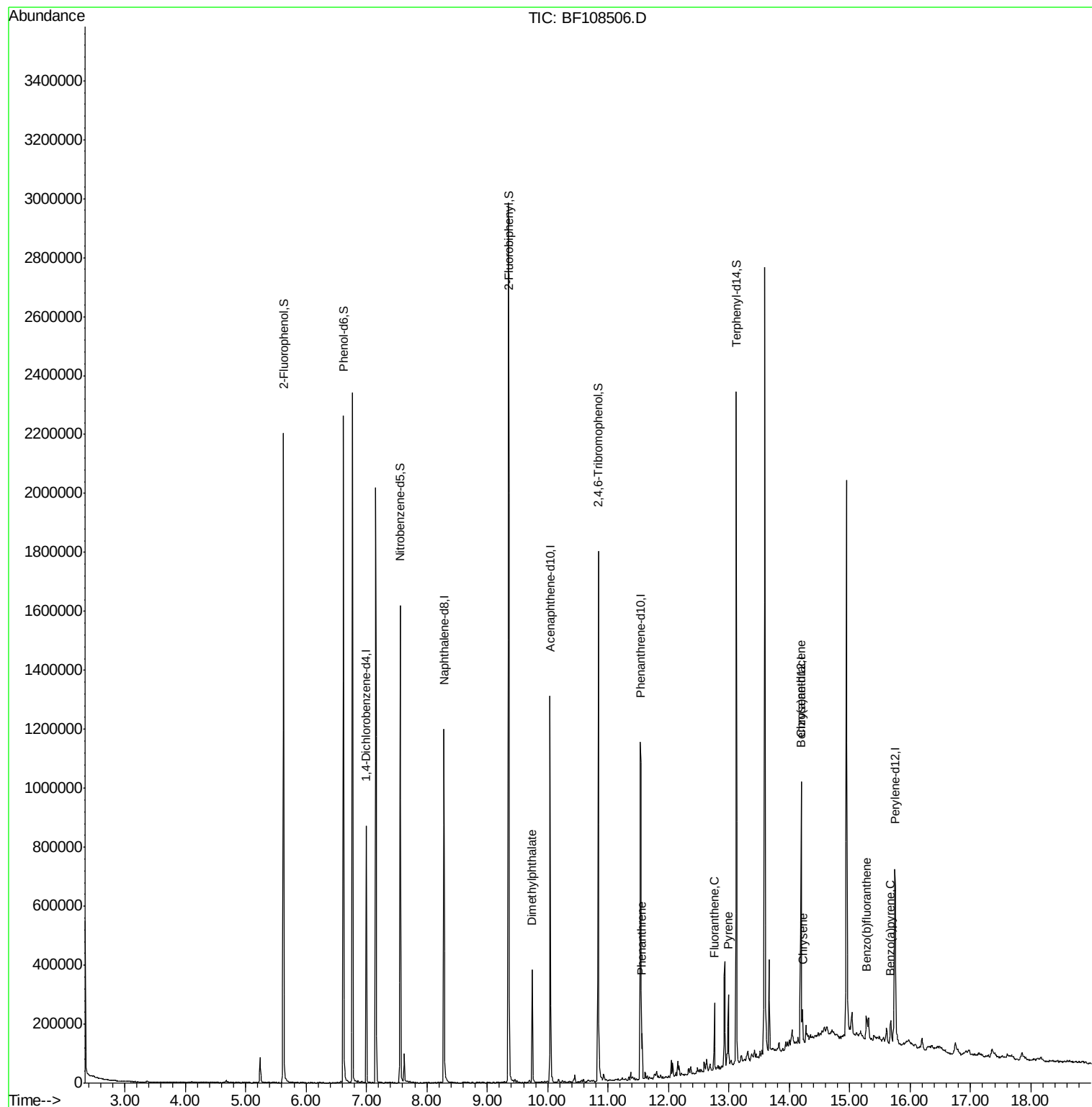
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
Data File : BF108506.D
Acq On : 27 Aug 2018 13:22
Operator : JU/SJ
Sample : J4646-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

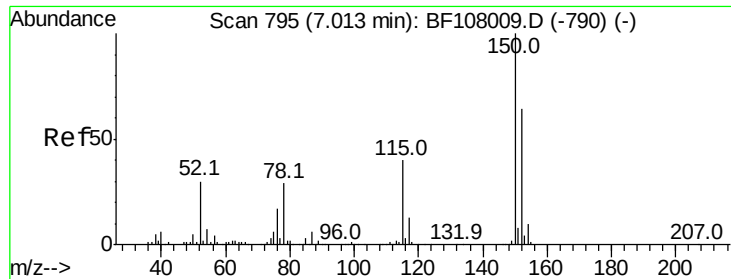
Instrument :
BNA_F
ClientSampleId :
EP1-Q4-A5

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Quant Time: Aug 27 14:29:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

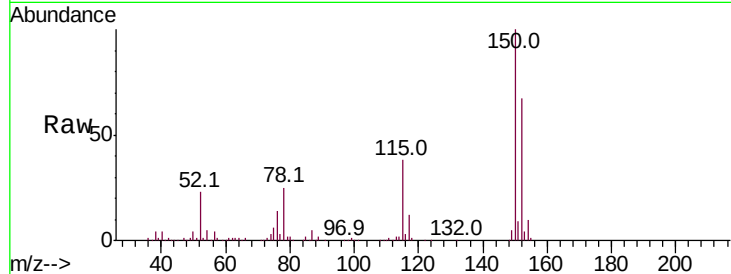
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-A5

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	124.6	186.8
115	56.2	50.1	75.1

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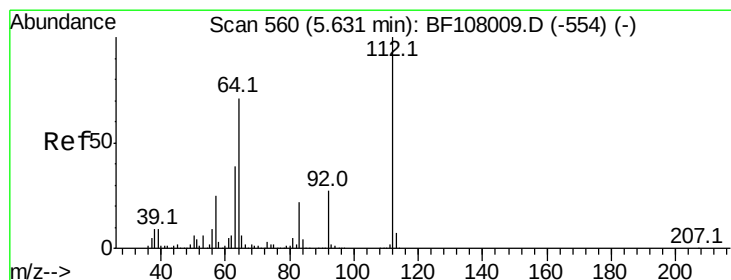
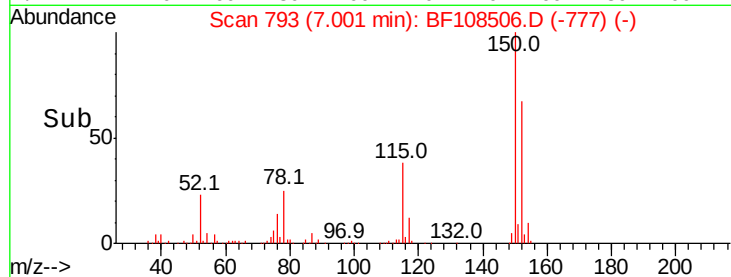
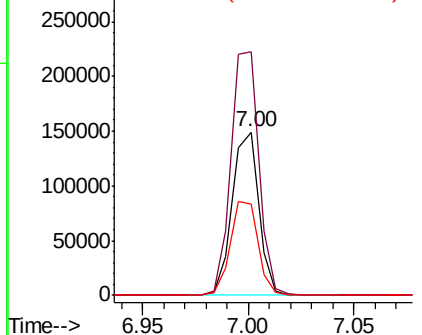


Abundance

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: 76.271 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

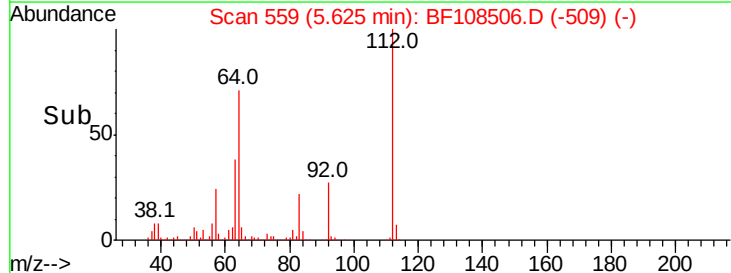
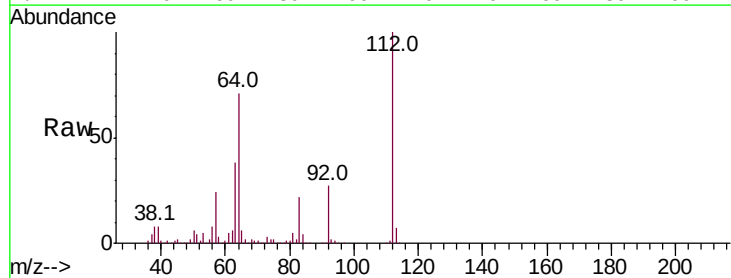
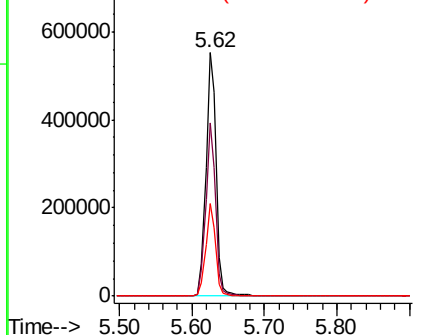
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	47.9	71.9
63	38.1	23.7	35.5

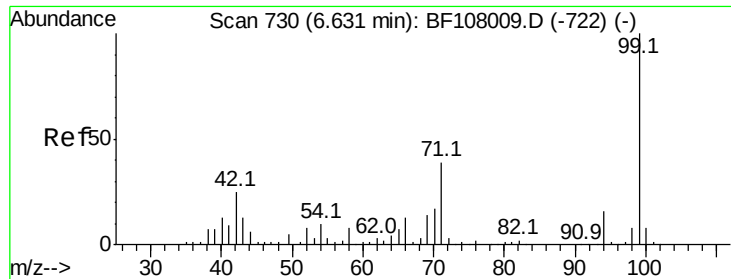
Abundance

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: 79.216 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

ClientSampleId :

EP1-Q4-A5

Tot Ion: 99 Resp: 751760

Ion Ratio Lower Upper

99 100

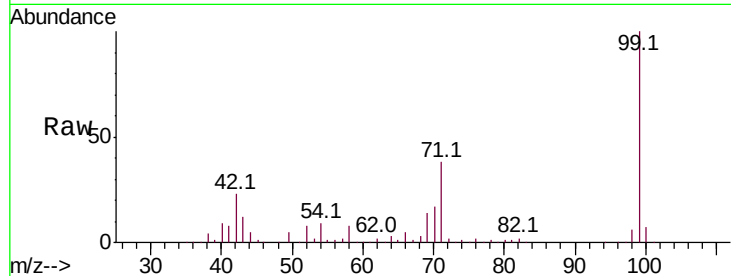
42 23.2 14.5 21.7#

71 38.3 25.4 38.0#

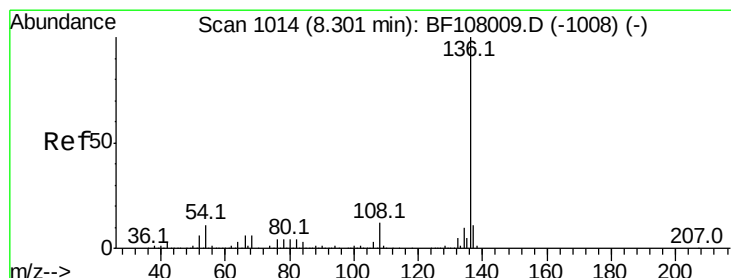
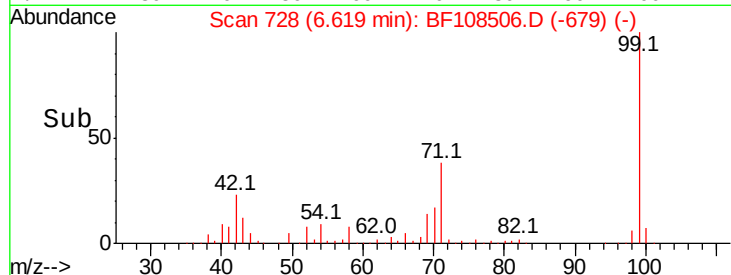
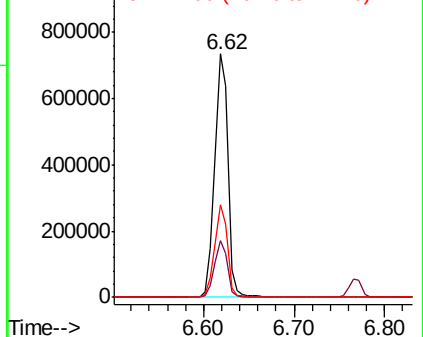
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Tgt Ion: 136 Resp: 504294

Ion Ratio Lower Upper

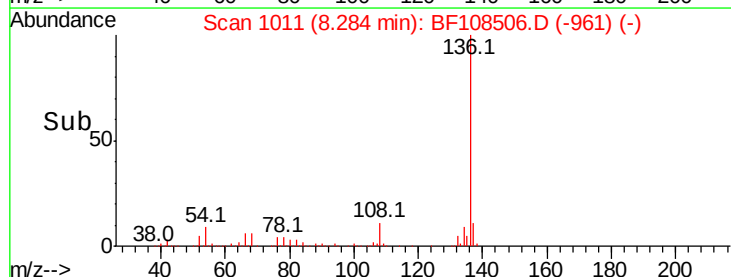
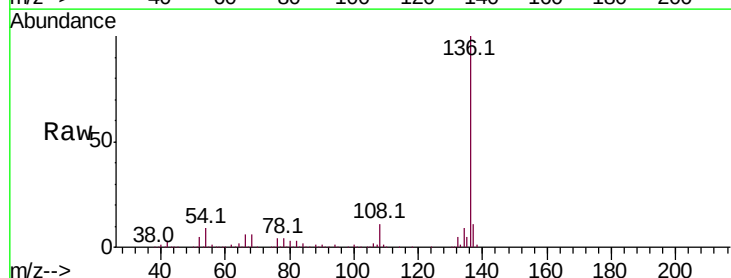
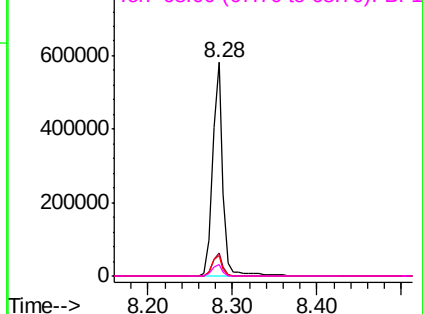
136 100

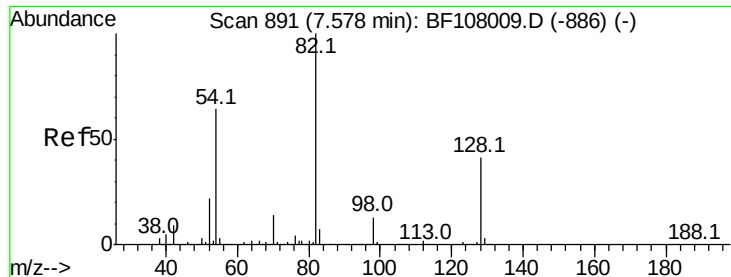
137 10.8 8.9 13.3

54 9.4 6.6 9.8

68 5.6 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





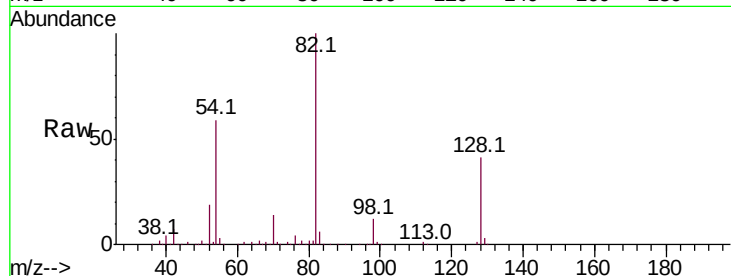
#23
 Nitrobenzene-d5
 Concen: 54.182 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-A5

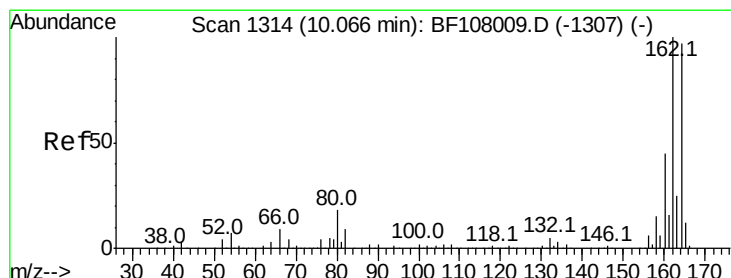
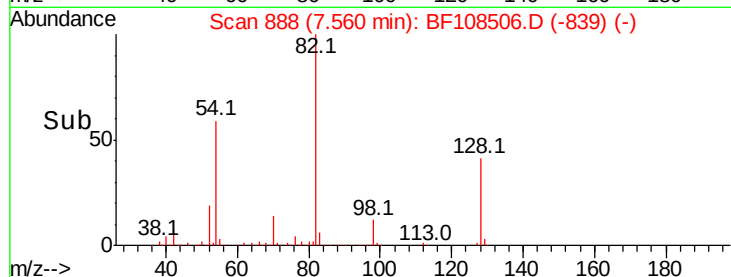
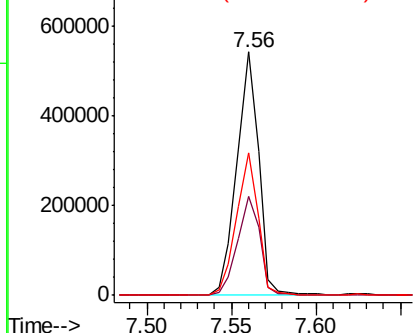
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	58.5	41.4	62.2

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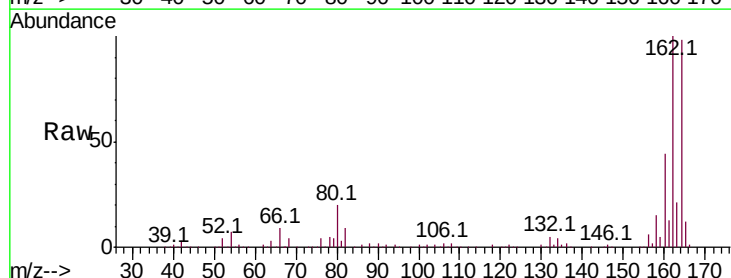


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

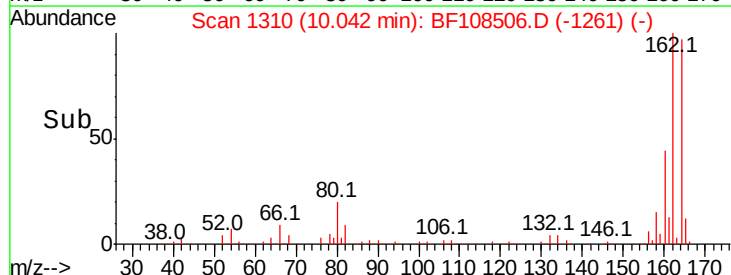
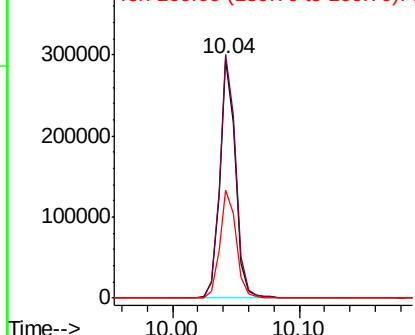


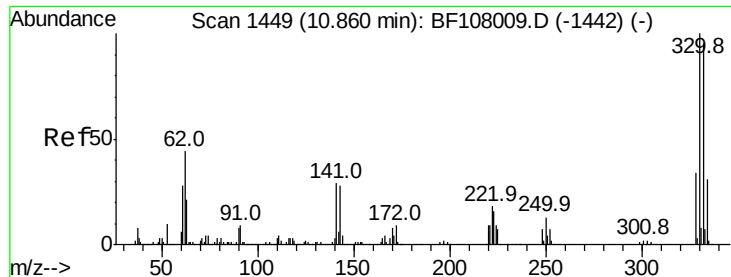
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	45.2	38.3	57.5



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





#41

2,4,6-Tribromophenol

Concen: 81.201 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

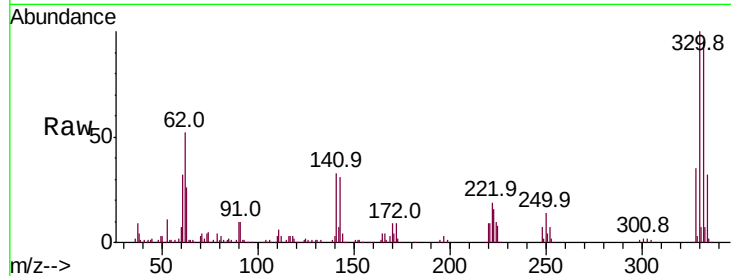
ClientSampled :

EP1-Q4-A5

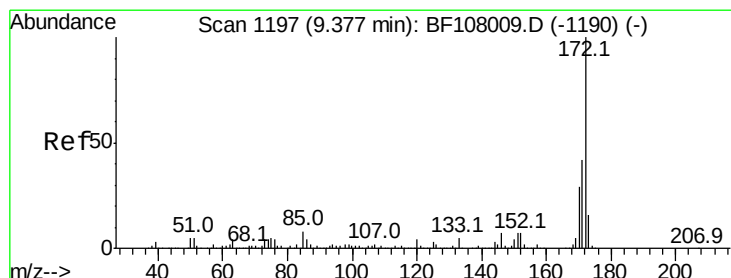
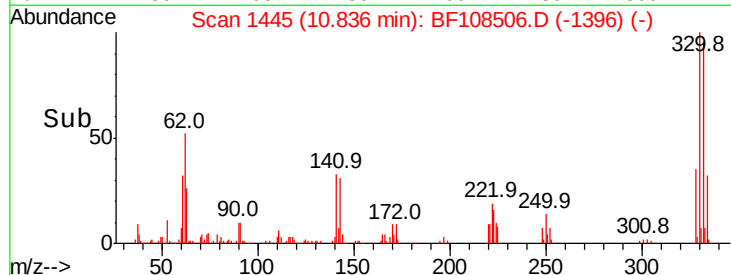
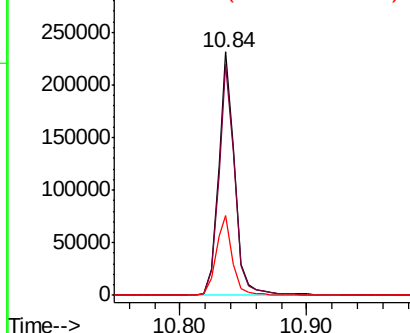
Tot Ion:	330	Resp:	205750
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.0	115.6
141	33.3	29.9	44.9

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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: 56.659 ng

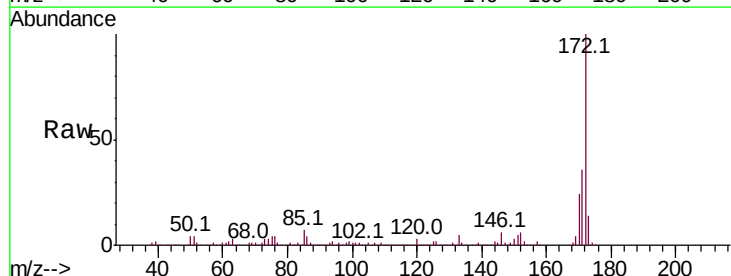
RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

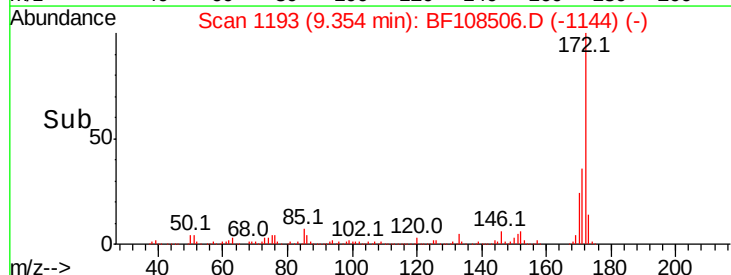
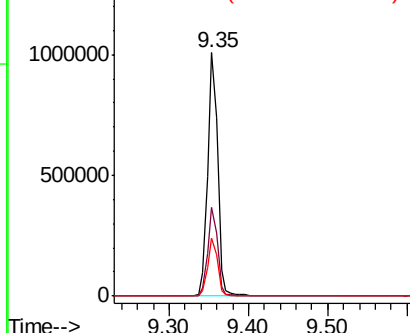
Lab File: BF108506.D

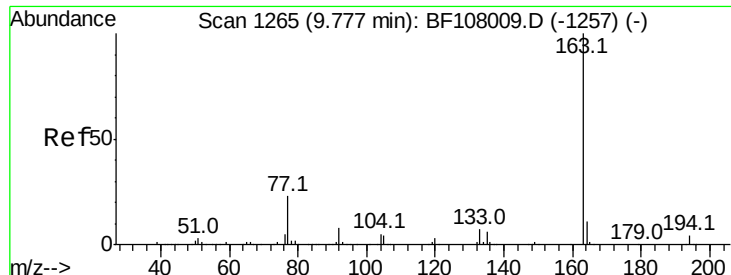
Acq: 27 Aug 2018 13:22

Tgt Ion:	172	Resp:	896485
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	24.0	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





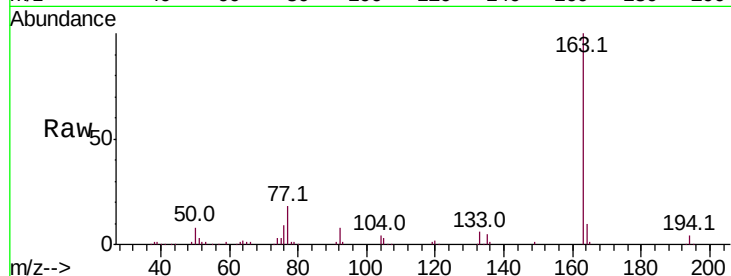
#49
Dimethylphthalate
Concen: 9.535 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-A5

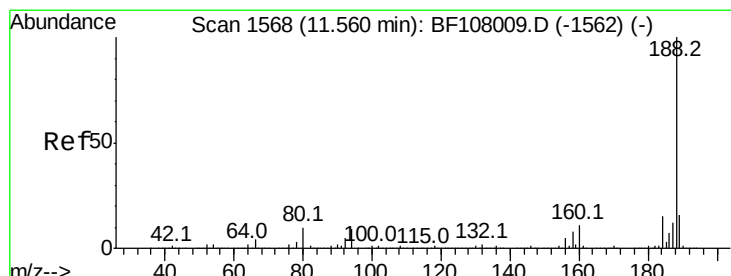
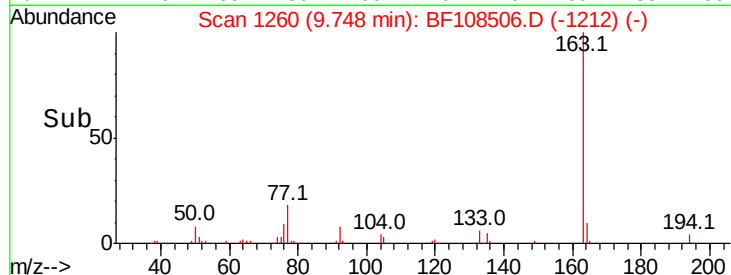
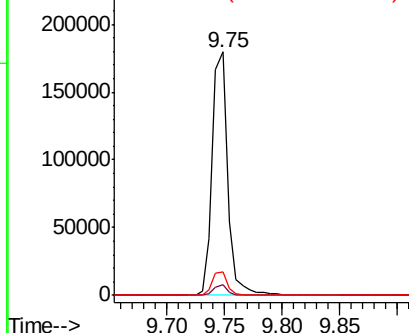
Tot Ion	Ratio	Resp	Lower	Upper
163	100	168721		
194	4.1	2.7	4.1#	
164	9.9	8.2	12.2	

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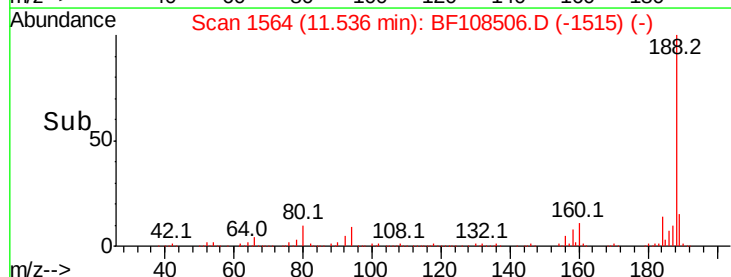
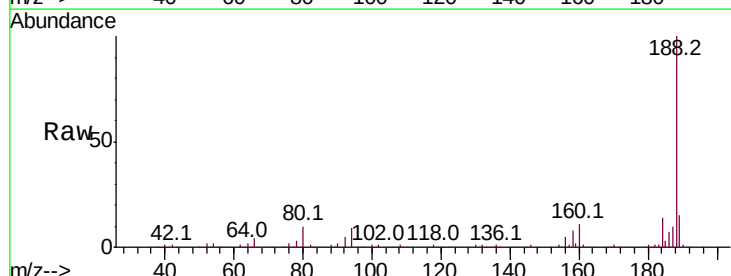
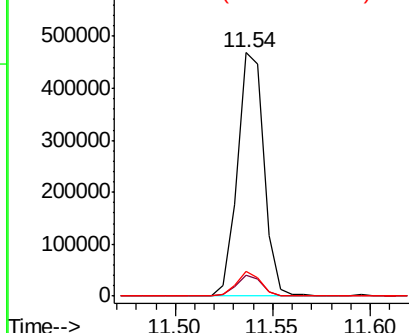
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

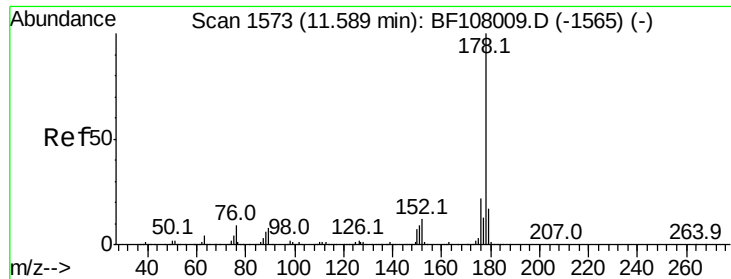


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	443254		
94	8.7	8.5	12.7	
80	10.3	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





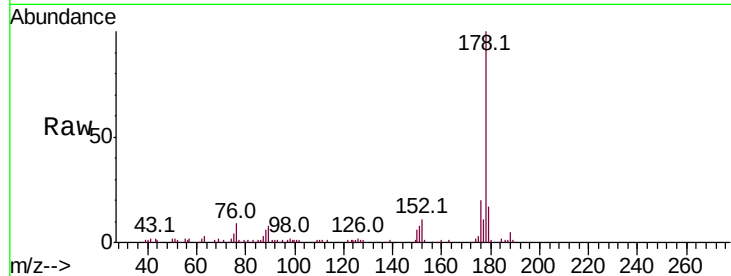
#70
 Phenanthrene
 Concen: 3.114 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-A5

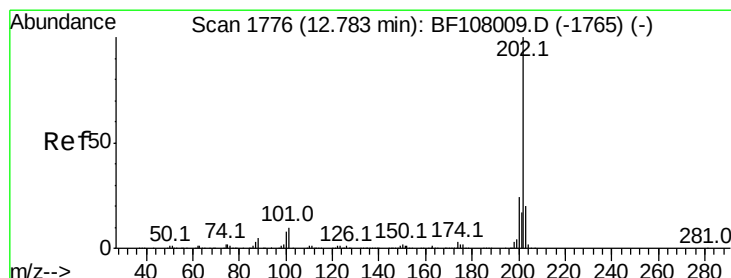
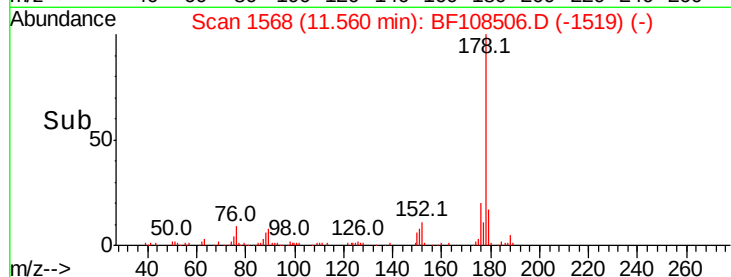
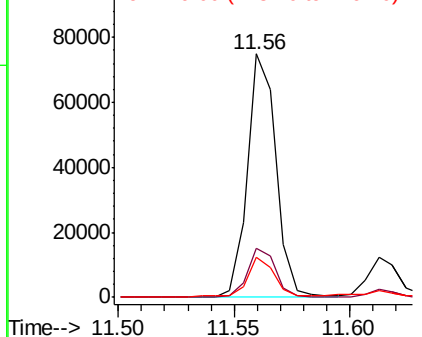
Tot Ion:	178	Resp:	65107
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	16.7	13.0	19.6

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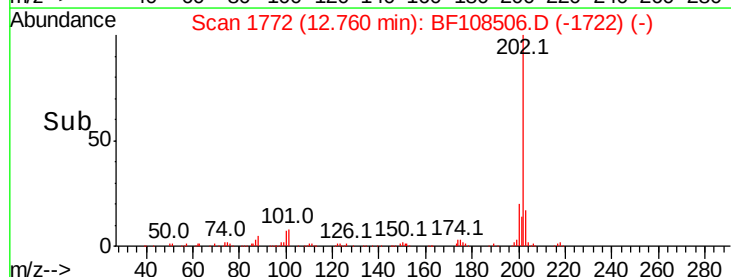
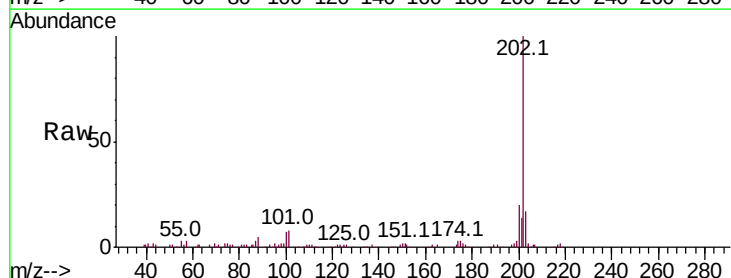
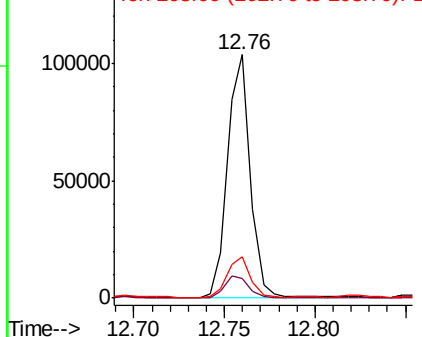
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

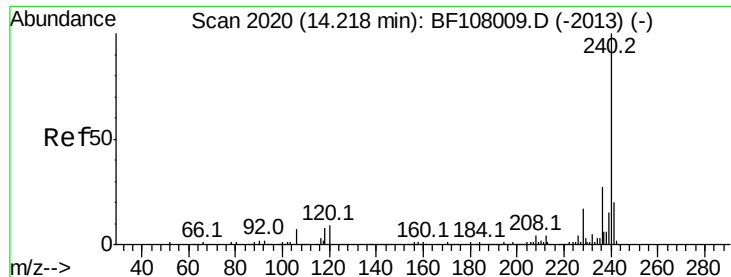


#74
 Fluoranthene
 Concen: 4.004 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Tgt Ion:	202	Resp:	91356
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	34.1
203	17.1	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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

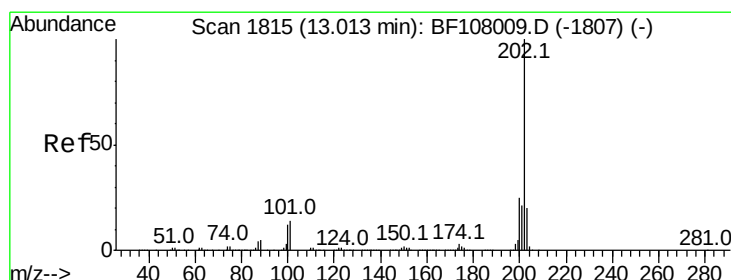
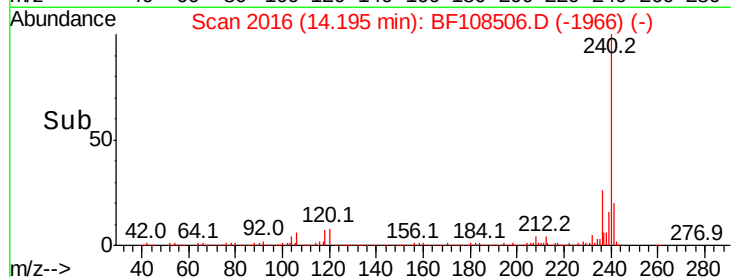
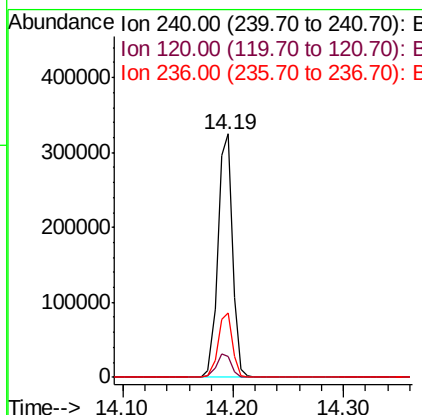
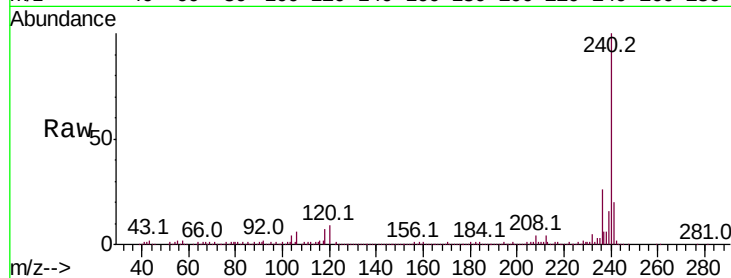
ClientSampled :

EP1-Q4-A5

Tot Ion:	240	Resp:	299552
Ion Ratio	Lower	Upper	
240	100		
120	8.6	9.5	14.3#
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 5.134 ng

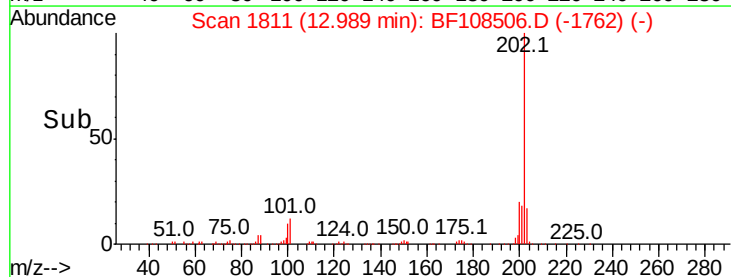
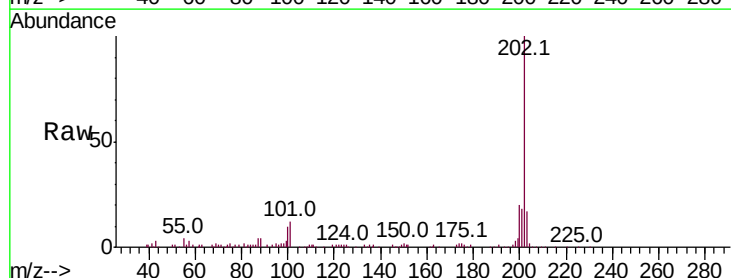
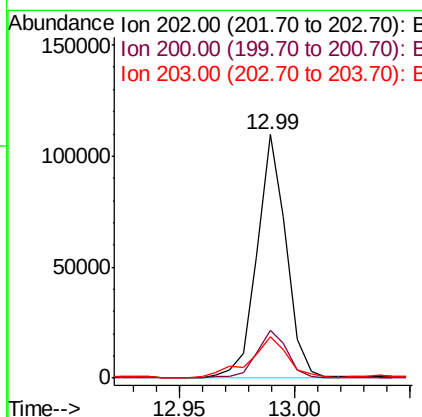
RT: 12.99 min Scan# 1811

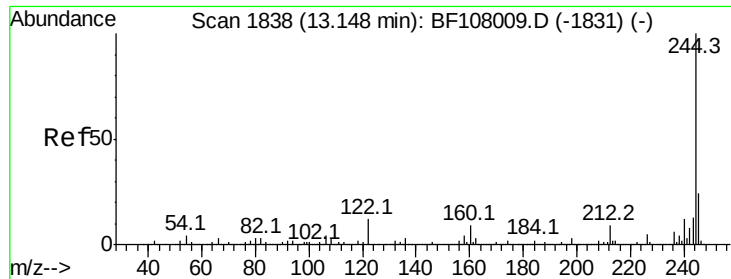
Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Tgt Ion:	202	Resp:	97356
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.4	26.2
203	17.2	14.3	21.5





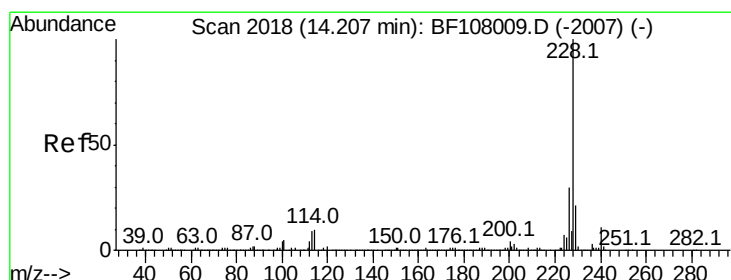
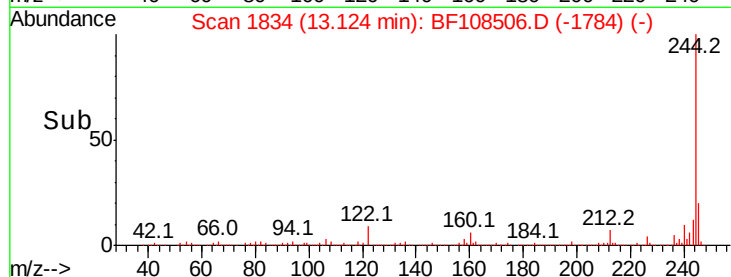
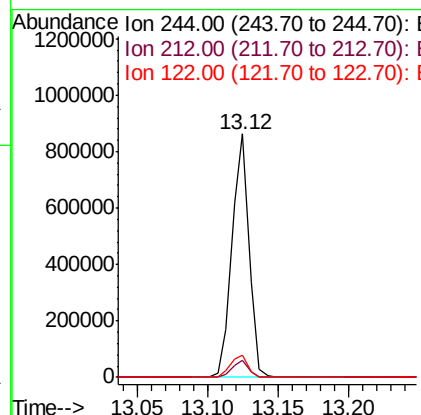
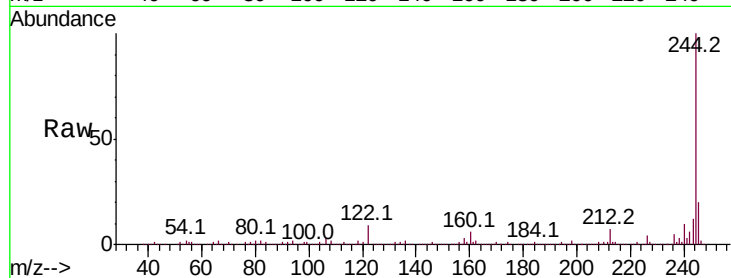
#78
 Terphenyl-d14
 Concen: 61.285 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Instrument :
 BNA_F
 ClientSampled :
 EP1-Q4-A5

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.2	5.4	8.0	
122	8.9	11.0	16.4	

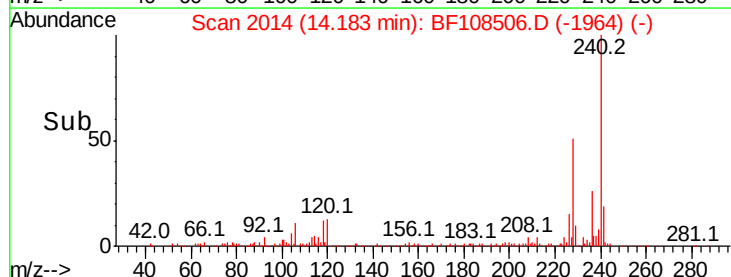
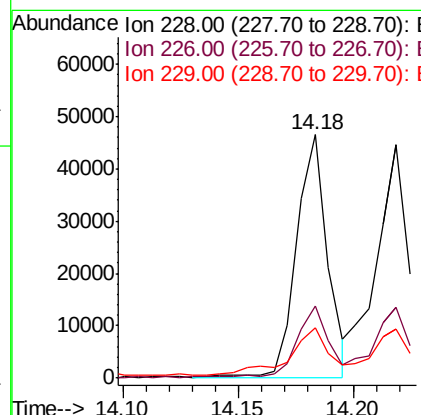
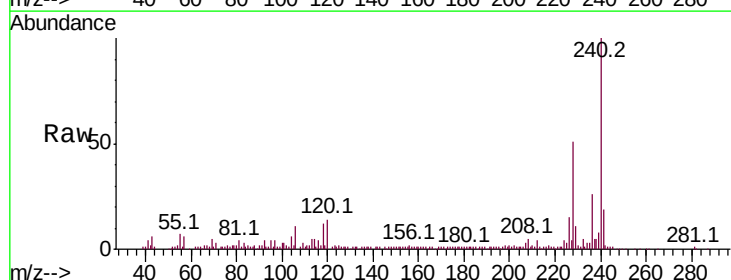
Manual Integrations
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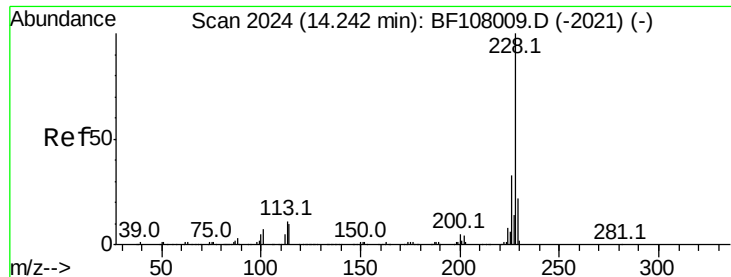
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#80
 Benzo(a)anthracene
 Concen: 2.534 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108506.D
 Acq: 27 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.7	22.6	33.8	
229	20.6	15.8	23.6	





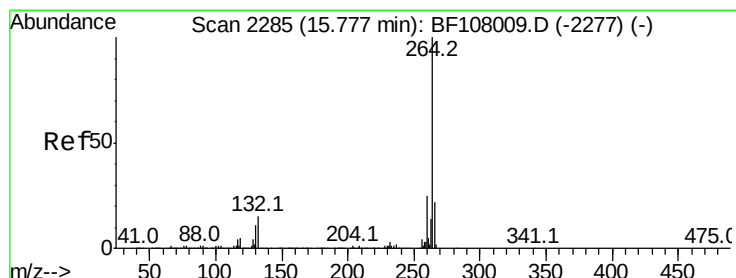
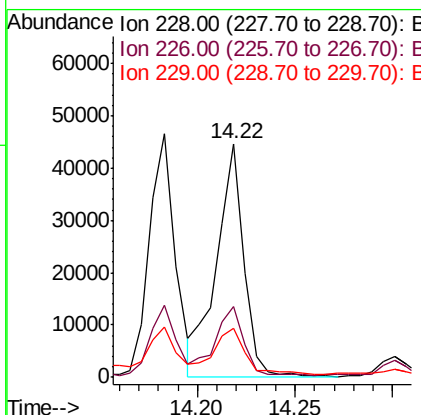
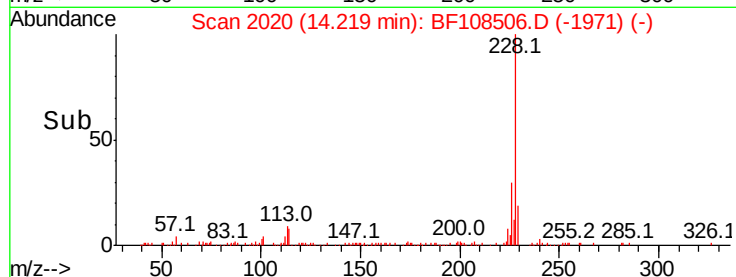
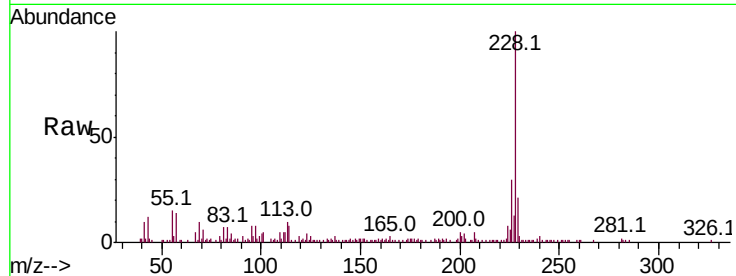
#82
Chrysene
Concen: 2.798 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-A5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.5	25.0	37.6		
229	21.0	16.2	24.4		

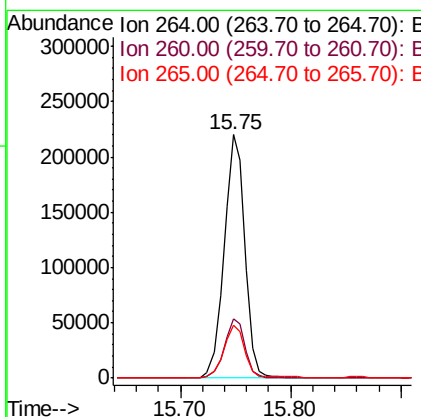
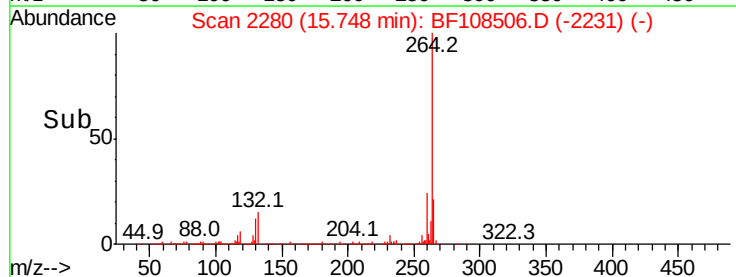
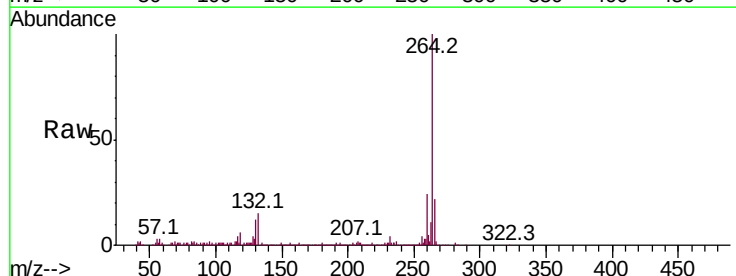
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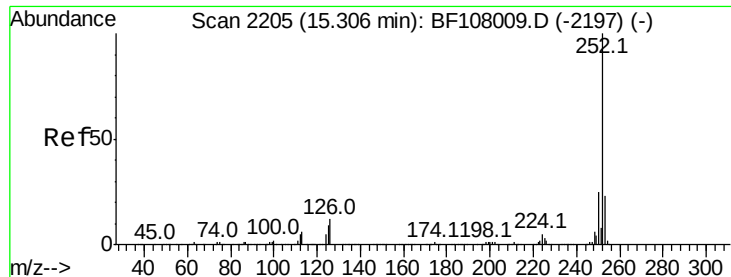
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108506.D
Acq: 27 Aug 2018 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.1	19.2	28.8		
265	21.5	17.5	26.3		





#87

Benzo(b)fluoranthene

Concen: 2.946 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Instrument :

BNA_F

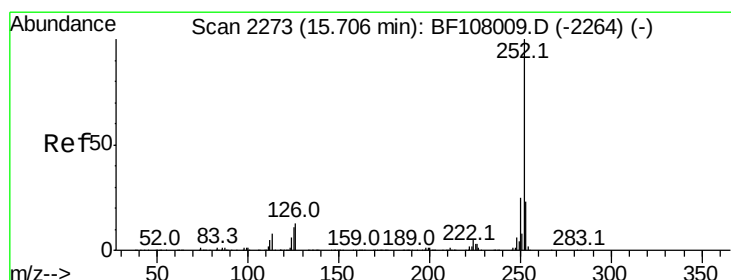
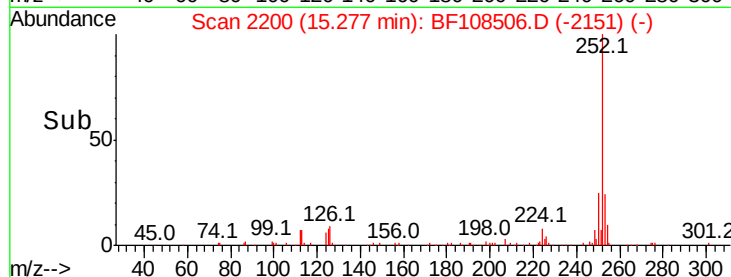
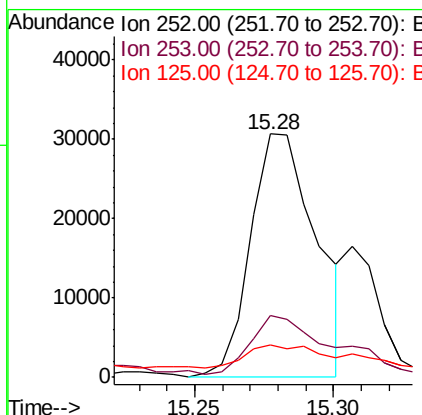
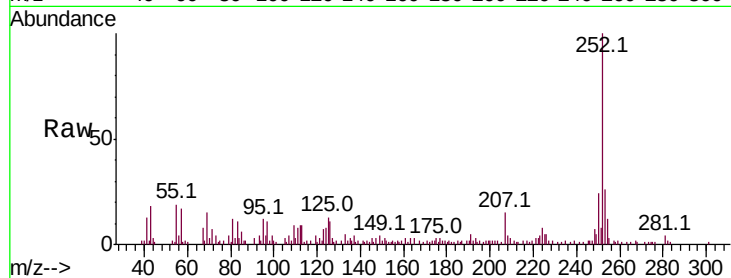
ClientSampled :

EP1-Q4-A5

Tot Ion:	252	Resp:	50795
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.0	25.6
125	13.2	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.390 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108506.D

Acq: 27 Aug 2018 13:22

Tgt Ion:	252	Resp:	36902
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.1	25.7#
125	12.1	9.8	14.6

