

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108482.D
 Acq On : 24 Aug 2018 23:51
 Operator : JU/SJ
 Sample : J4581-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D4

Manual Integrations
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Sohil
 8/27/2018 5:02:48 PM

Quant Time: Aug 27 12:00:39 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	132635	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	485078	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	225230	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	375320	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	253669	20.00	ng	0.00
86) Perylene-d12	15.75	264	246962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	764067	104.29	ng	0.00
7) Phenol-d6	6.62	99	1029396	105.74	ng	0.00
23) Nitrobenzene-d5	7.56	82	690647	79.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	243258	108.28	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1200015	85.54	ng	-0.01
78) Terphenyl-d14	13.12	244	889300	89.14	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	446952	28.488	ng	# 98
70) Phenanthrene	11.56	178	72651	4.104	ng	99
74) Fluoranthene	12.76	202	114140	5.908	ng	94
77) Pyrene	12.99	202	103751	6.460	ng	98
80) Benzo(a)anthracene	14.18	228	44158	3.033	ng	# 95
82) Chrysene	14.22	228	45971m	3.444	ng	
85) Indeno(1,2,3-cd)pyrene	17.37	276	24906	2.154	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	60032m	4.068	ng	
89) Benzo(a)pyrene	15.68	252	37392	2.830	ng	# 79
91) Benzo(g,h,i)perylene	17.86	276	34399	3.195	ng	# 90

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

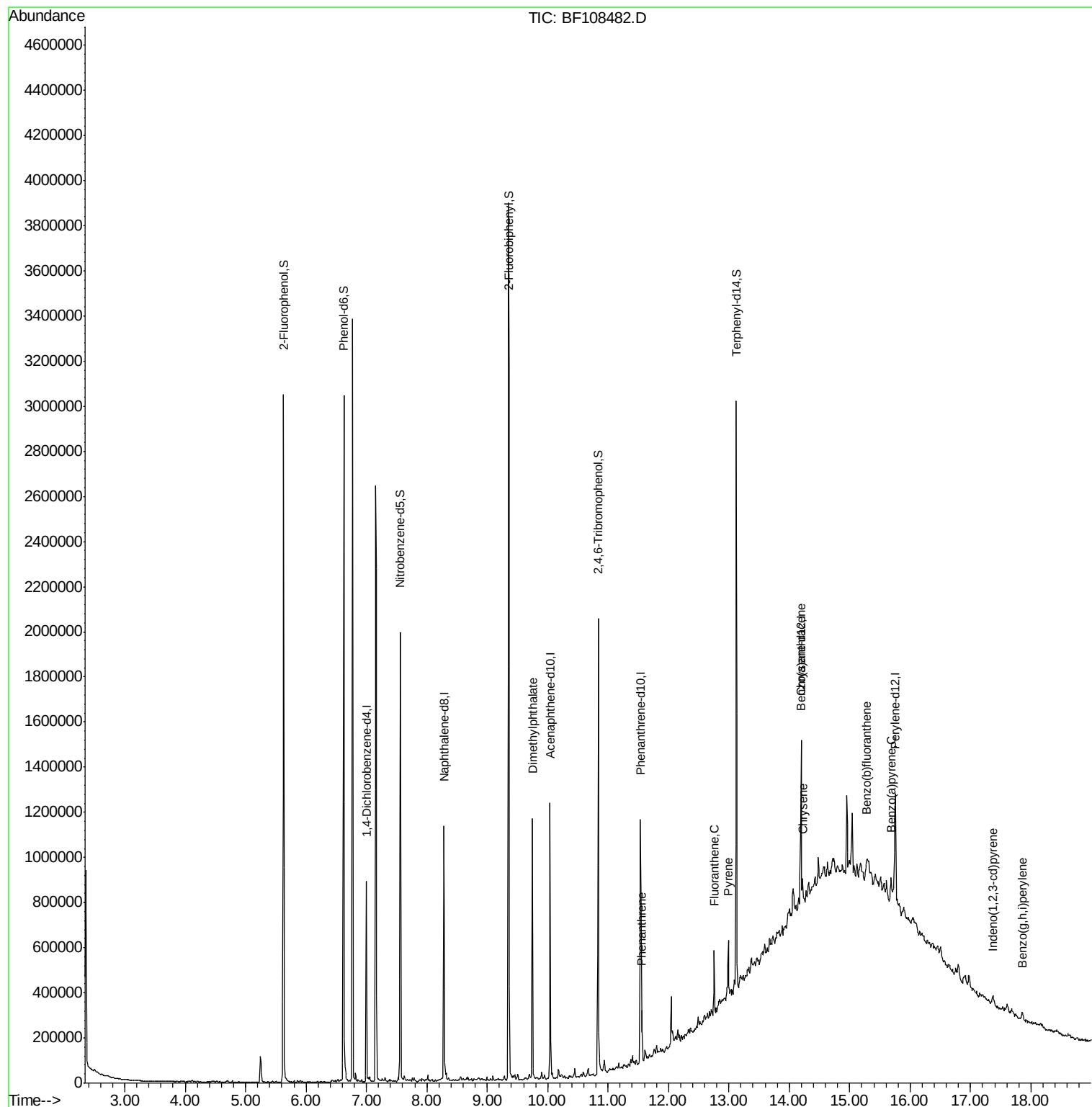
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108482.D
Acq On : 24 Aug 2018 23:51
Operator : JU/SJ
Sample : J4581-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

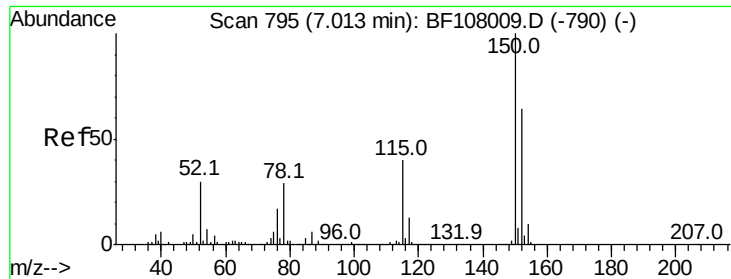
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

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Quant Time: Aug 27 12:00:39 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

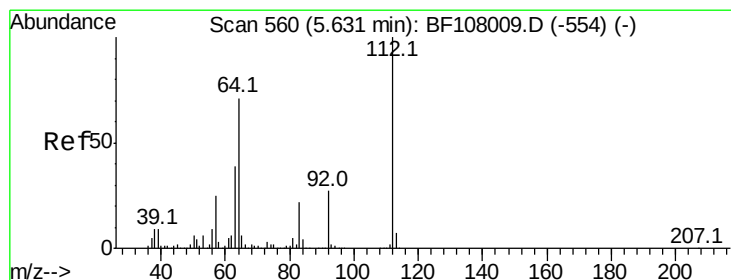
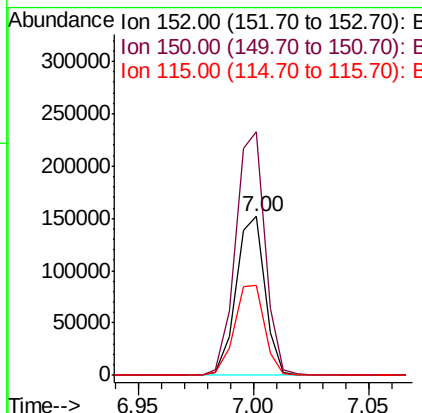
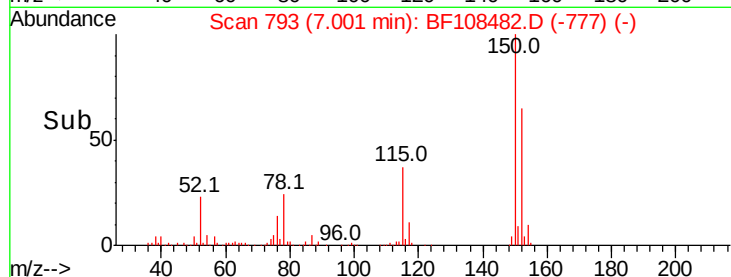
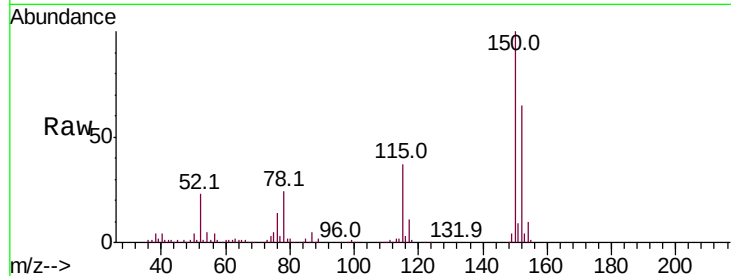
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	56.6	50.1	75.1

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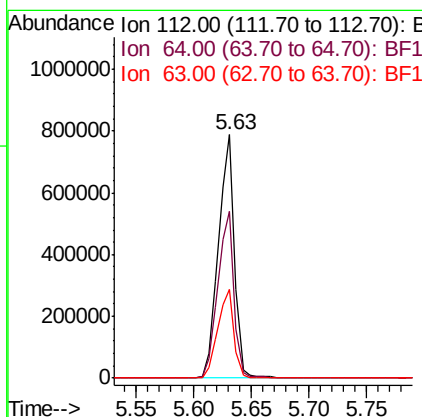
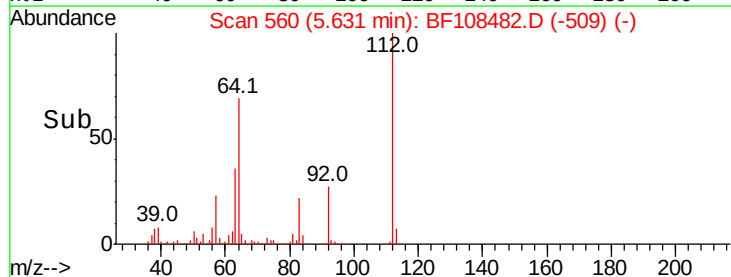
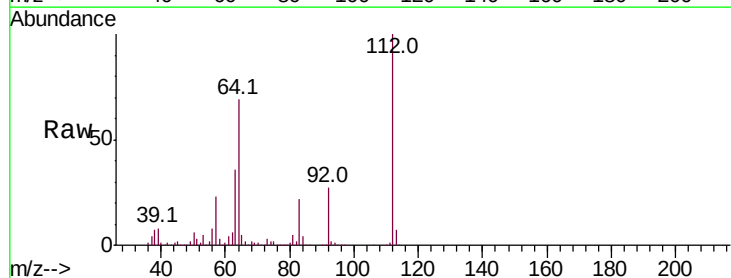
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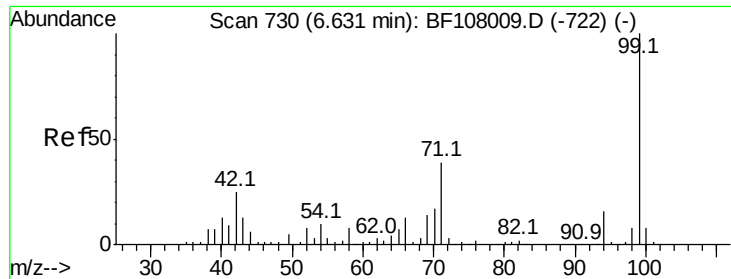


#5

2-Fluorophenol
Concen: 104.294 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	47.9	71.9
63	36.3	23.7	35.5#





#7

Phenol-d6

Concen: 105.738 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampled :

EP1-Q3-D4

Tot Ion: 99 Resp: 1029396

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

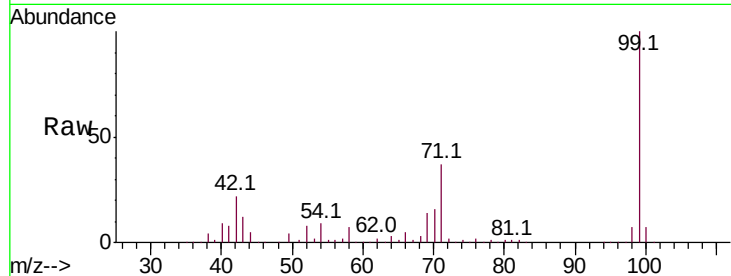
71 37.1 25.4 38.0

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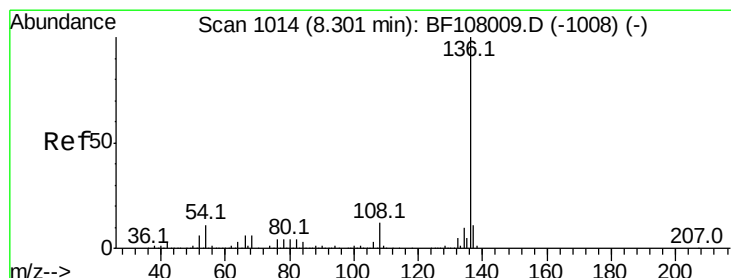
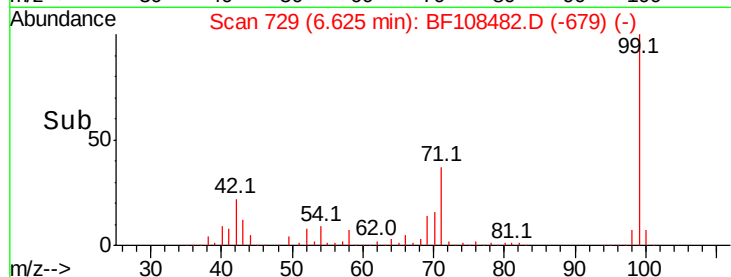
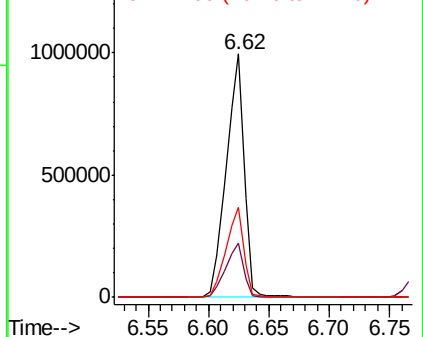
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Tgt Ion: 136 Resp: 485078

Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.1 6.6 9.8

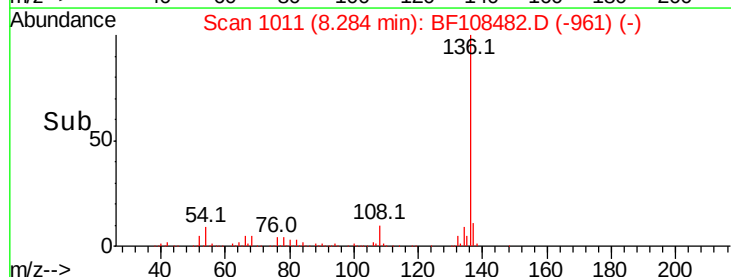
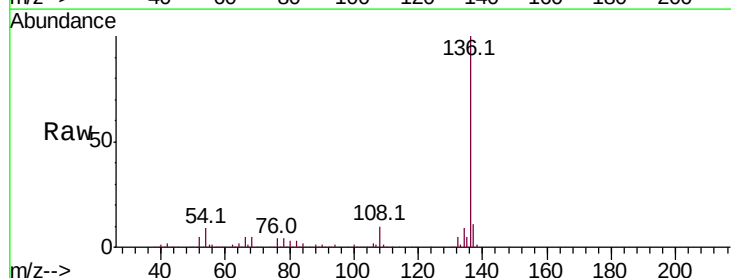
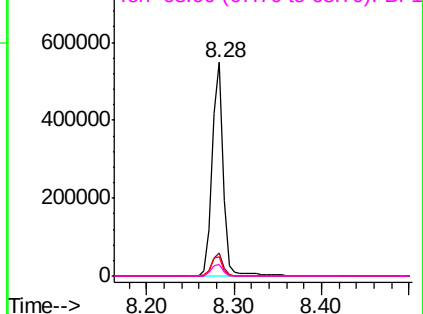
68 5.5 5.0 7.4

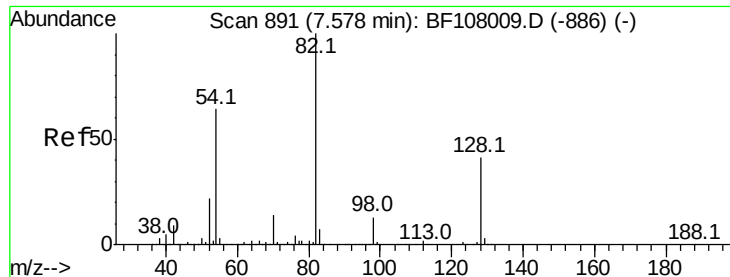
Abundance Ion 136.00 (135.70 to 136.70): E

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





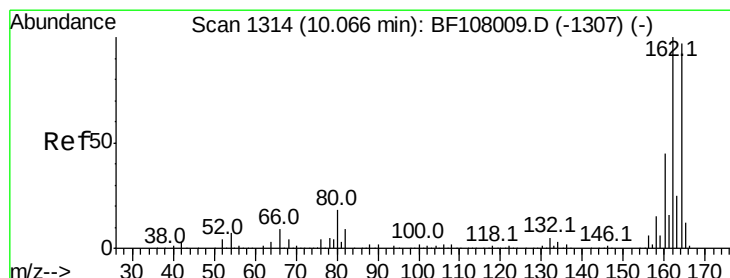
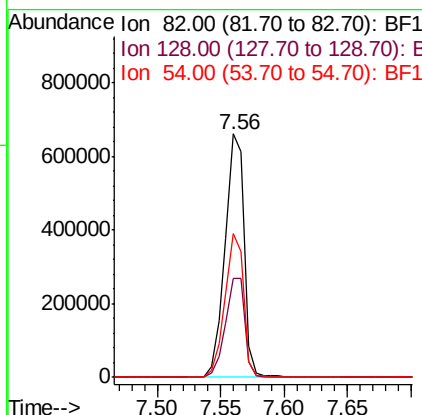
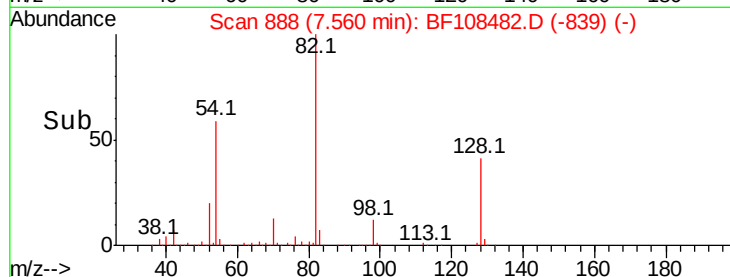
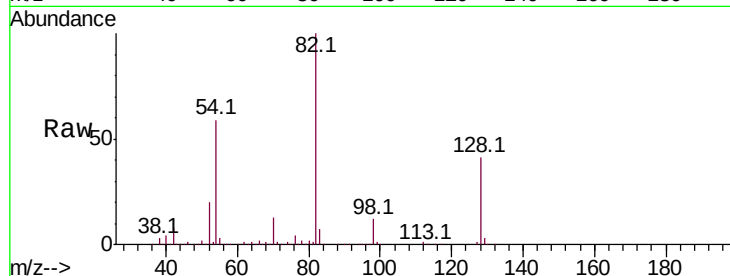
#23
Nitrobenzene-d5
Concen: 79.449 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	690647		
128	40.6	36.1	54.1	
54	59.0	41.4	62.2	

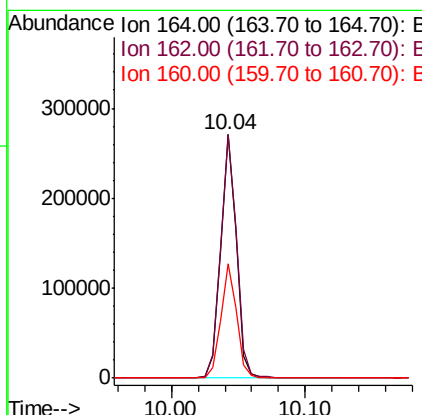
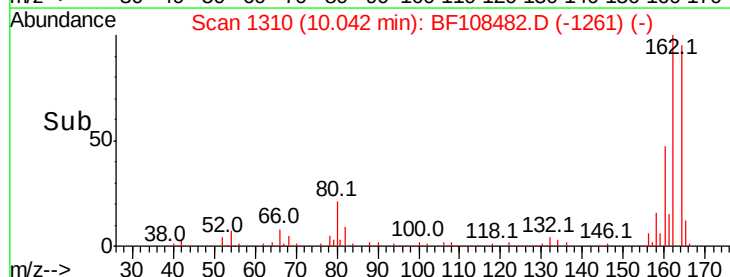
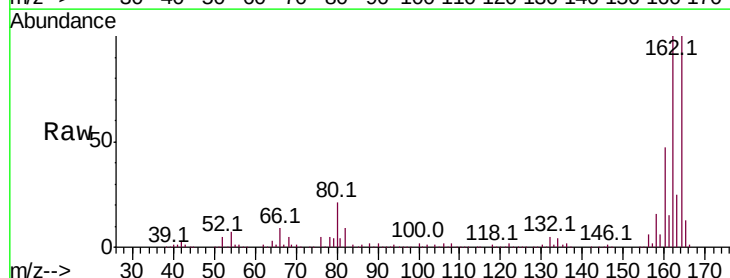
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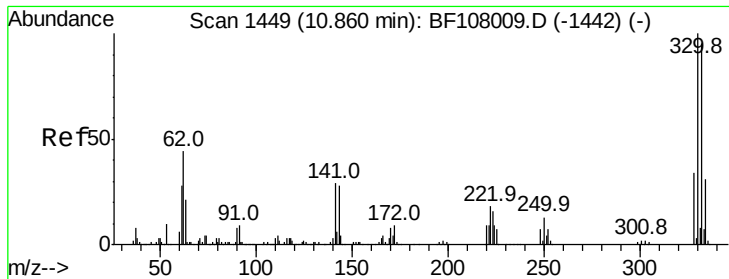
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225230		
162	99.9	86.1	129.1	
160	46.9	38.3	57.5	





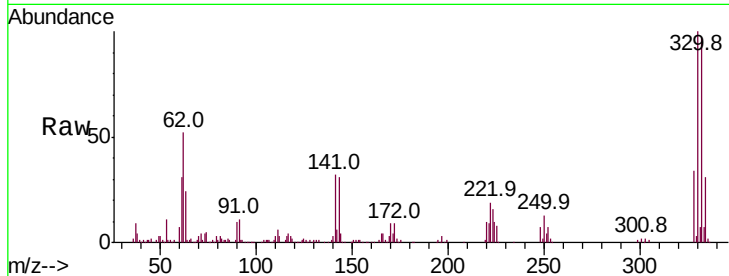
#41
 2,4,6-Tribromophenol
 Concen: 108.278 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108482.D
 Acq: 24 Aug 2018 23:51

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	243258		
332	98.2	77.0	115.6	
141	34.4	29.9	44.9	

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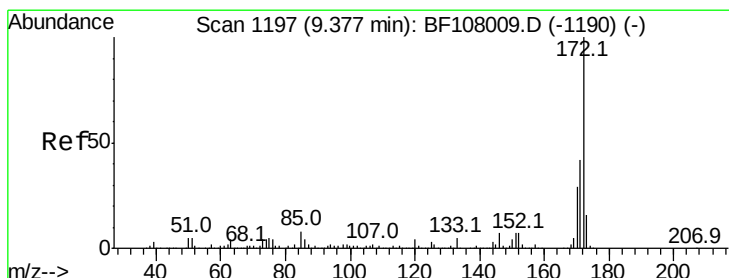
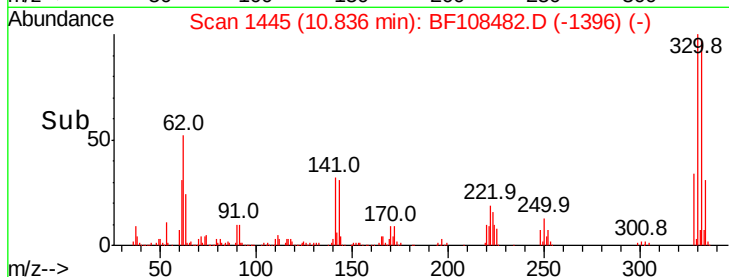
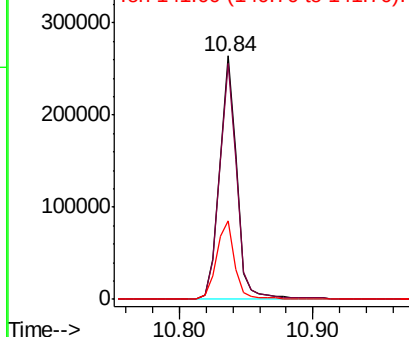


Abundance

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: 85.539 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108482.D
 Acq: 24 Aug 2018 23:51

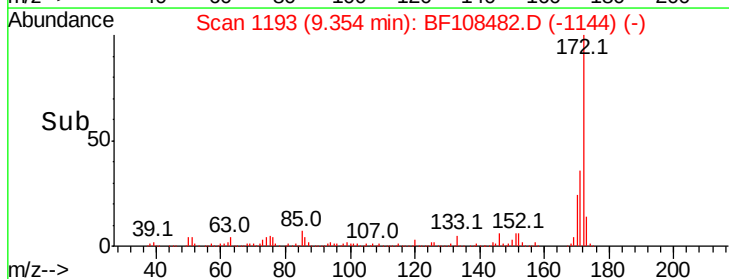
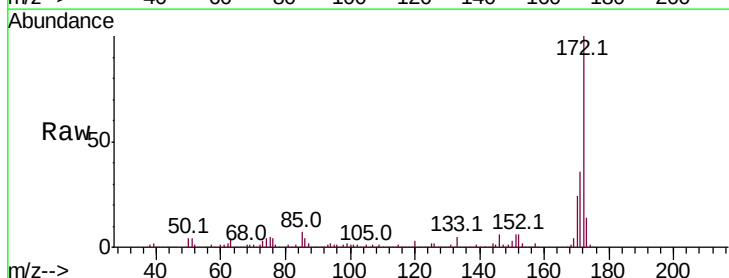
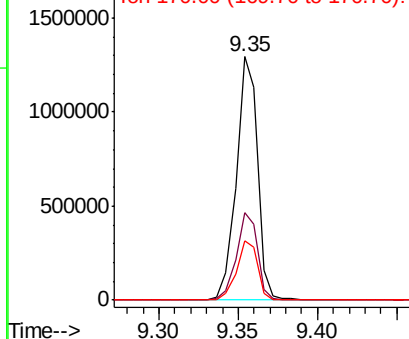
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1200015		
171	35.9	29.7	44.5	
170	24.1	19.6	29.4	

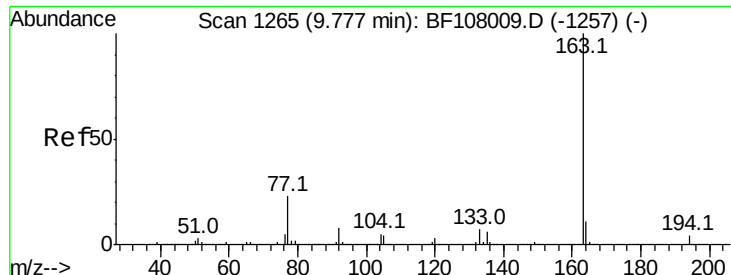
Abundance

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





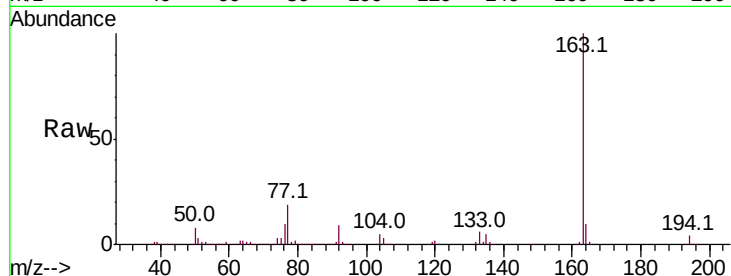
#49
Dimethylphthalate
Concen: 28.488 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampled :
EP1-Q3-D4

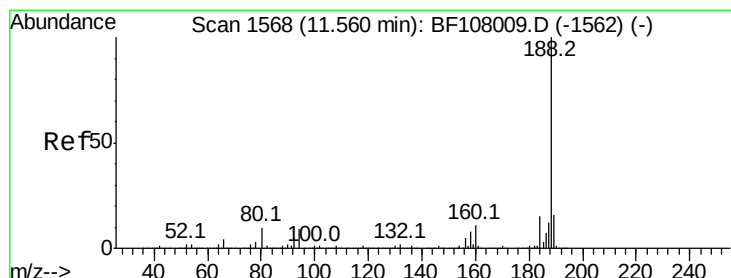
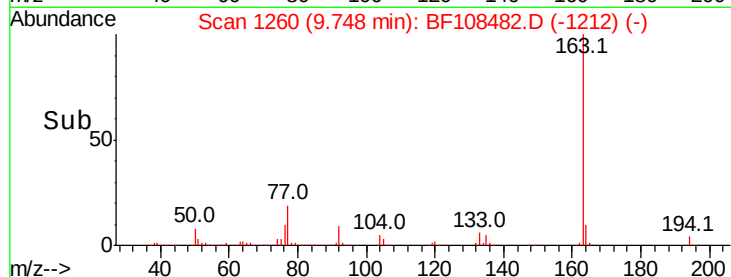
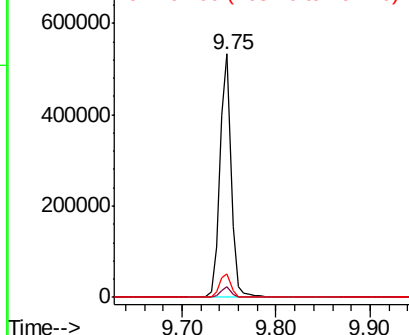
Tot Ion	Ratio	Resp	Lower	Upper
163	100	446952		
194	4.3	2.7	4.1#	
164	9.7	8.2	12.2	

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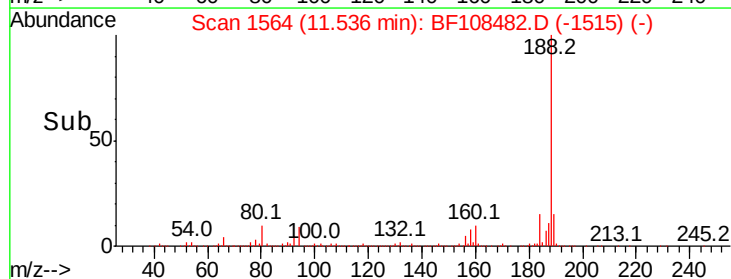
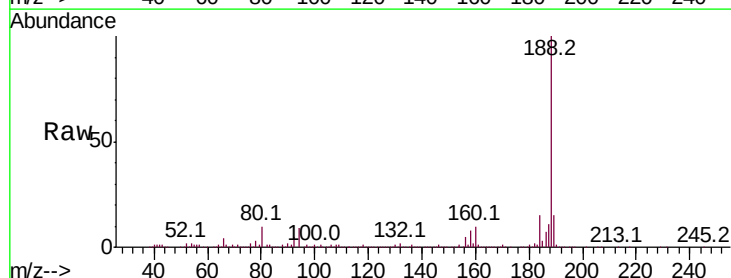
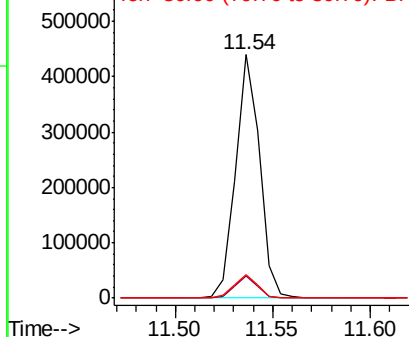
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

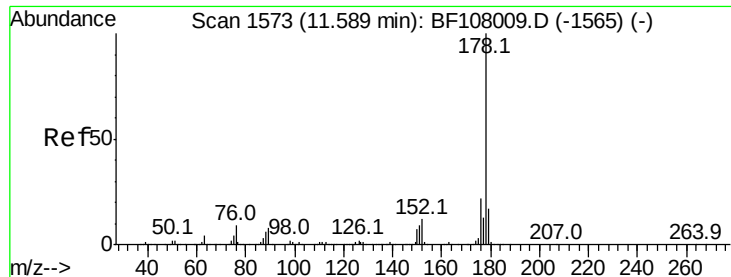


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	375320		
94	8.9	8.5	12.7	
80	9.8	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: 4.104 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

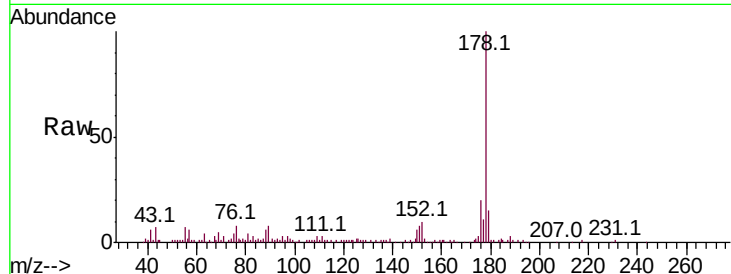
ClientSampled :

EP1-Q3-D4

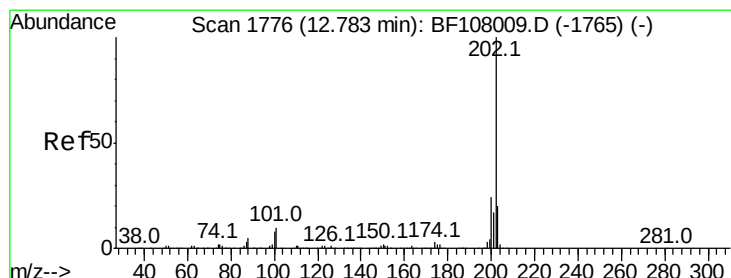
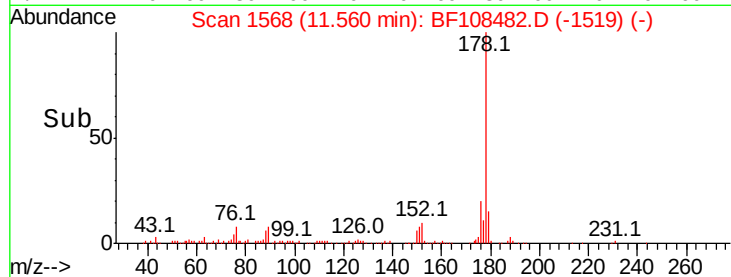
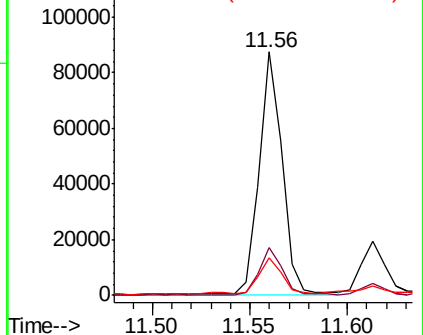
Tot Ion:	178	Resp:	72651
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.2	13.0	19.6

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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: 5.908 ng

RT: 12.76 min Scan# 1772

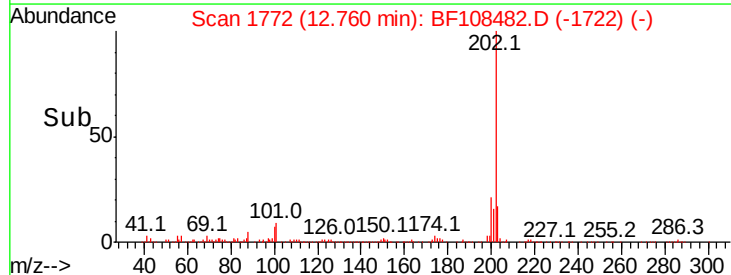
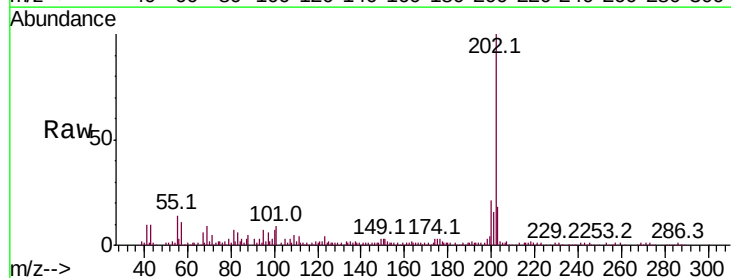
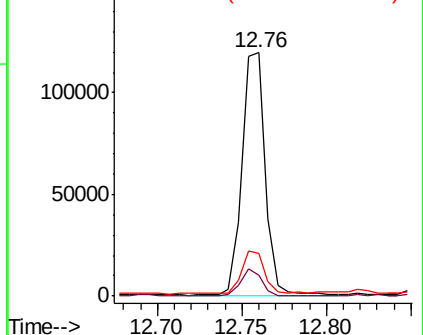
Delta R.T. -0.01 min

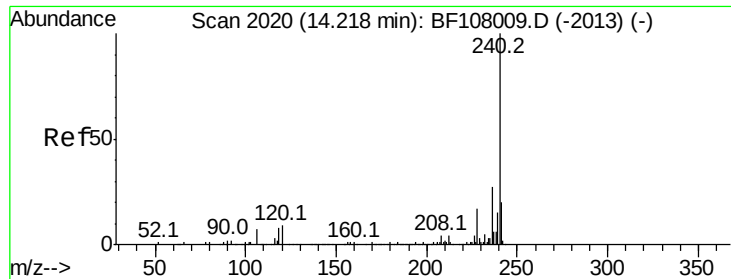
Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Tgt Ion:	202	Resp:	114140
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	34.1
203	17.6	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: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

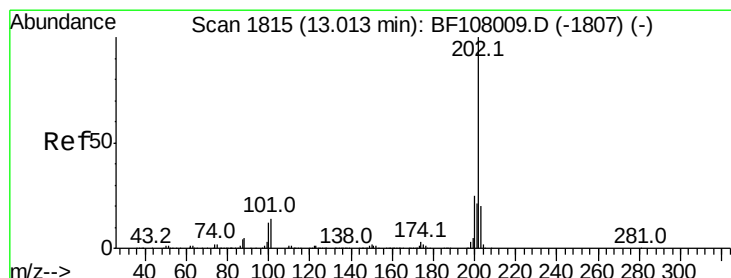
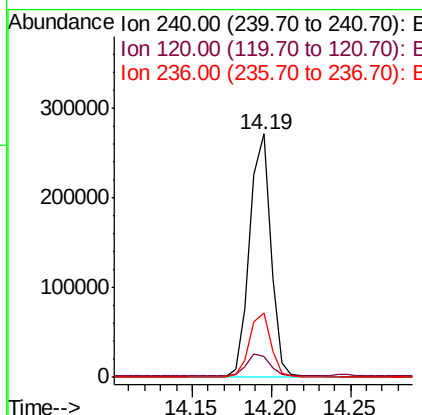
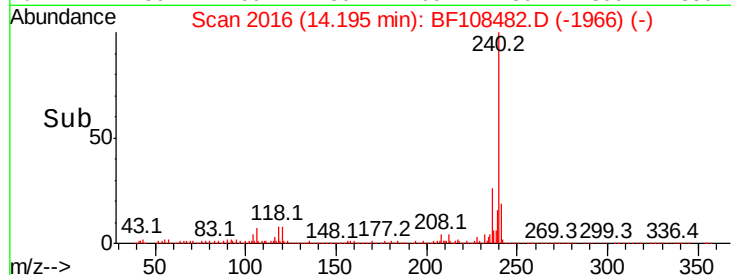
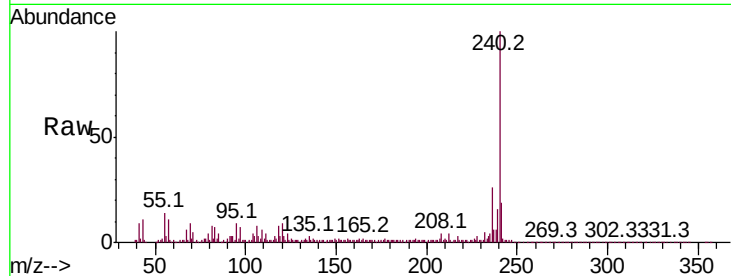
ClientSampleId :

EP1-Q3-D4

Tot Ion:	240	Resp:	253669
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	26.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 6.460 ng

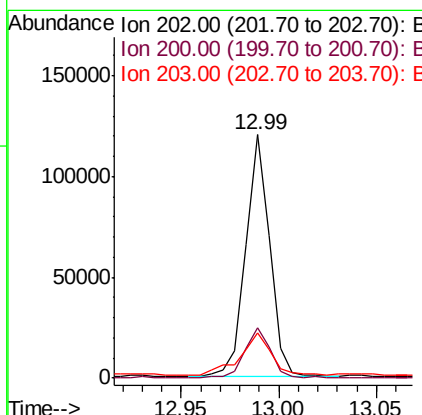
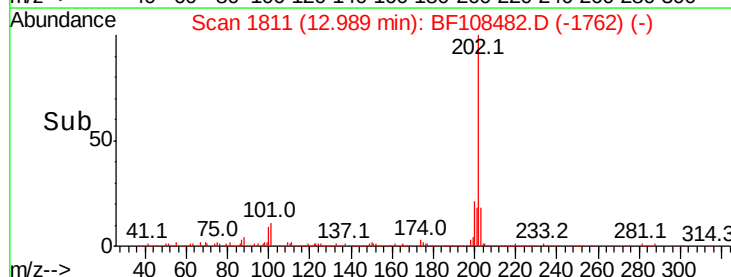
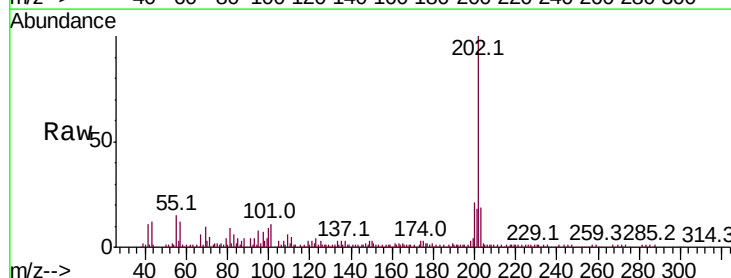
RT: 12.99 min Scan# 1811

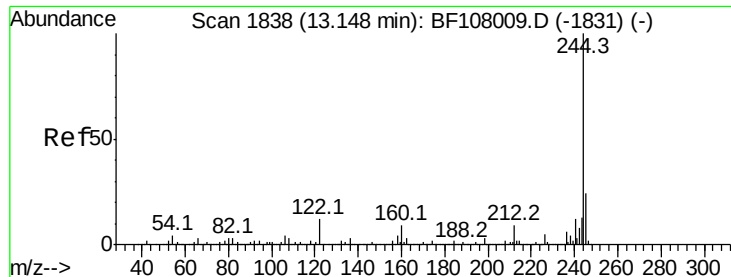
Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Tgt Ion:	202	Resp:	103751
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.6	14.3	21.5





#78

Terphenyl-d14

Concen: 89.136 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

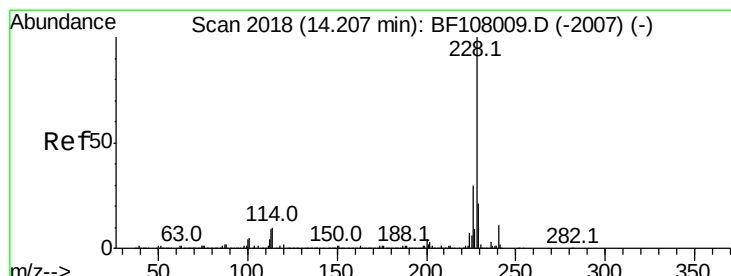
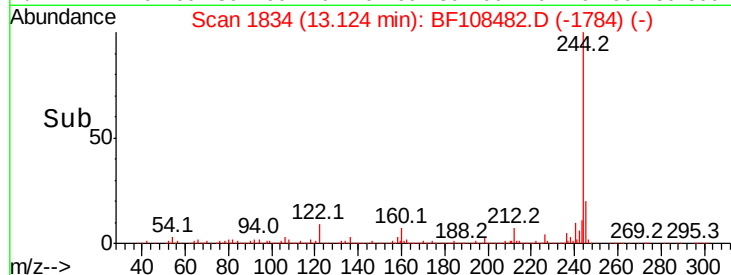
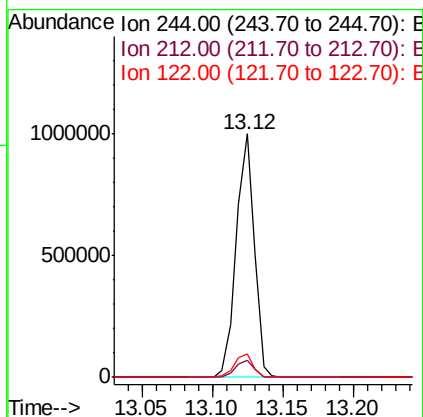
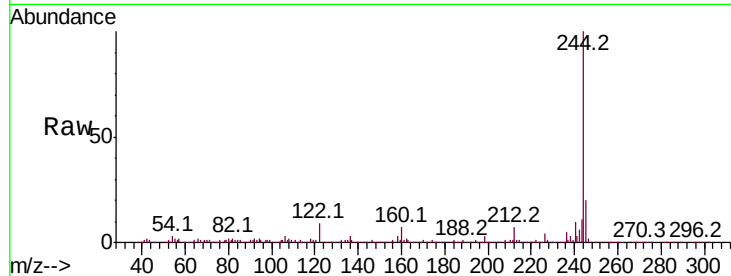
ClientSampled :

EP1-Q3-D4

Tot Ion:	244	Resp:	889300
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	9.4	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 3.033 ng

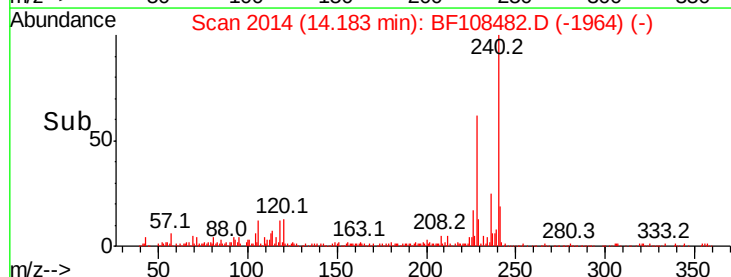
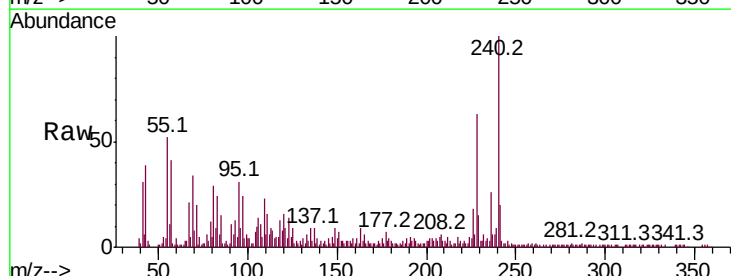
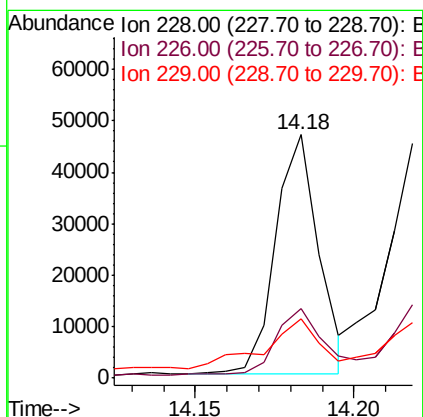
RT: 14.18 min Scan# 2014

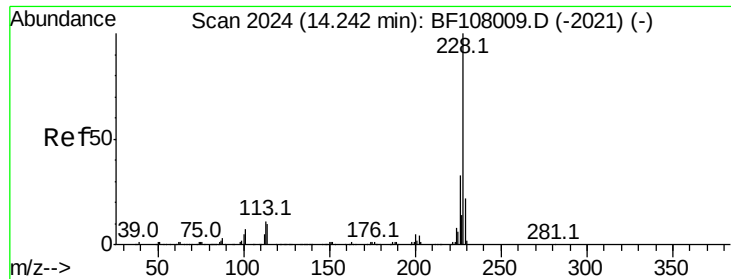
Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Tgt Ion:	228	Resp:	44158
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	24.4	15.8	23.6





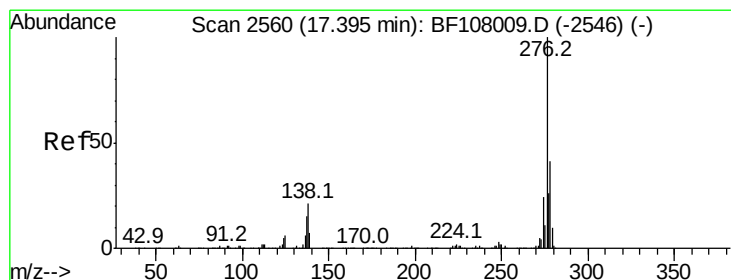
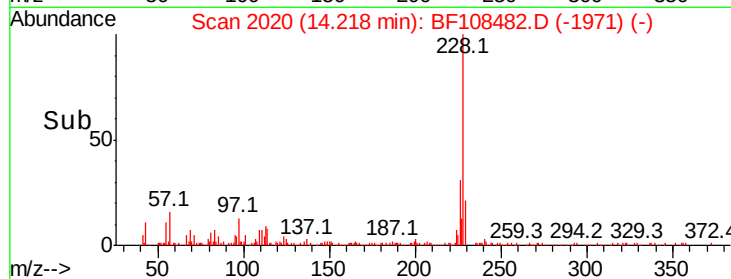
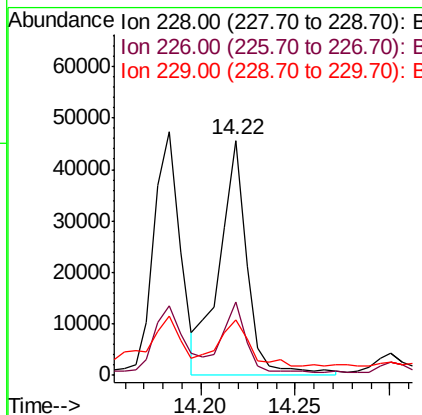
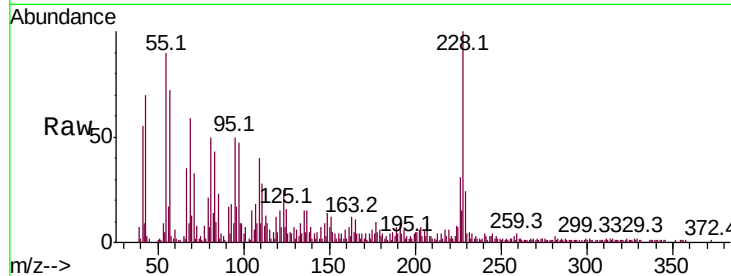
#82
Chrysene
Concen: 3.444 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	23.7	16.2	24.4

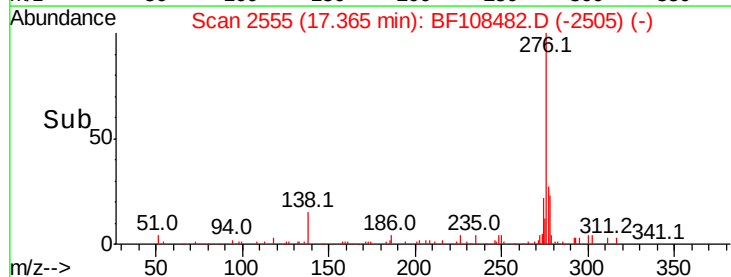
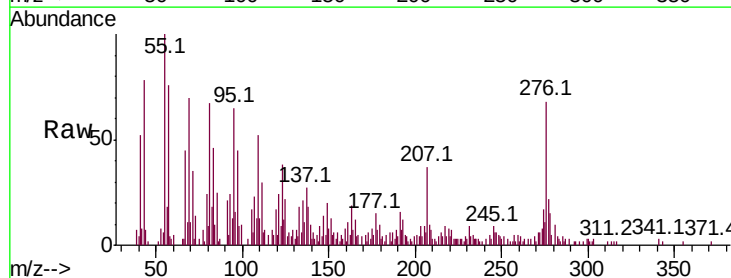
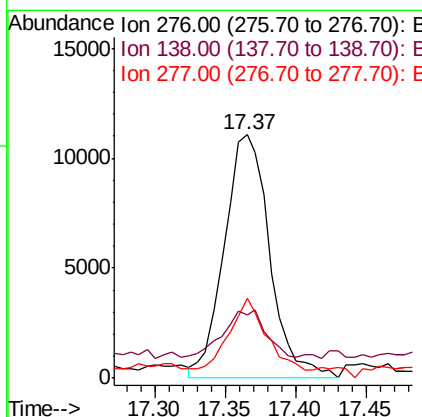
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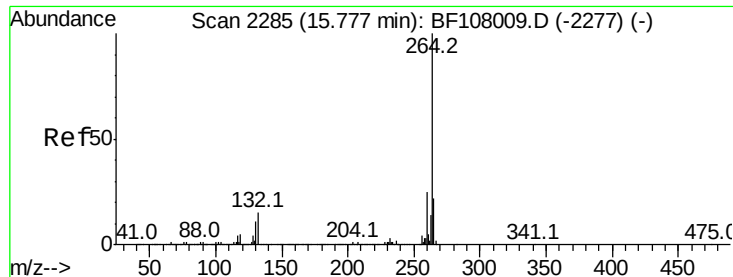
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.154 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	25.0	37.6#
277	23.3	20.1	30.1





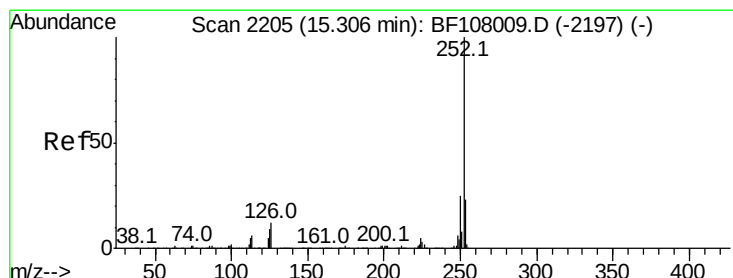
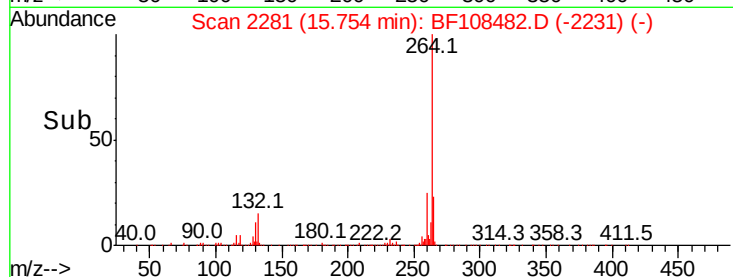
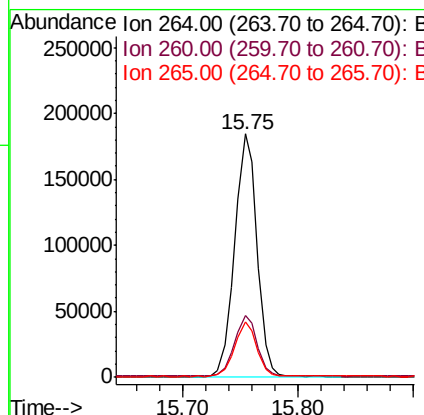
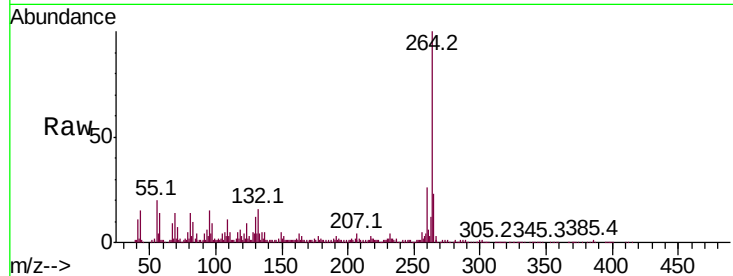
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampled :
EP1-Q3-D4

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.2	28.8
265	22.8	17.5	26.3

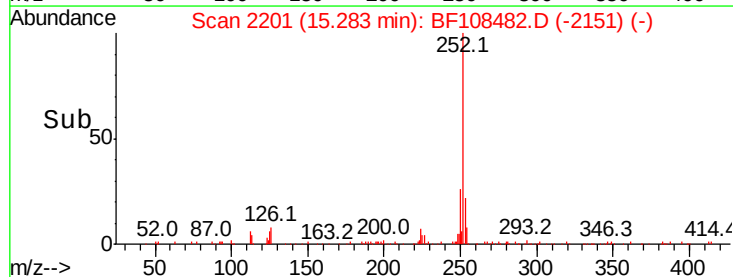
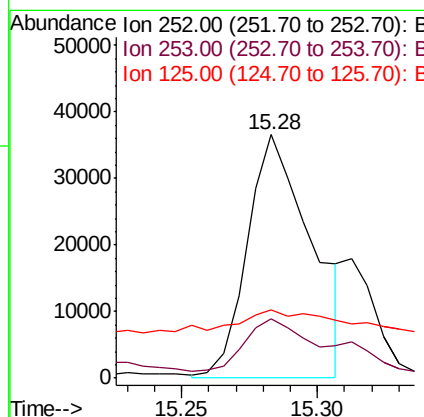
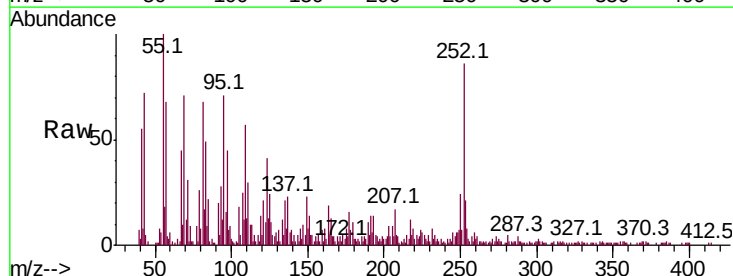
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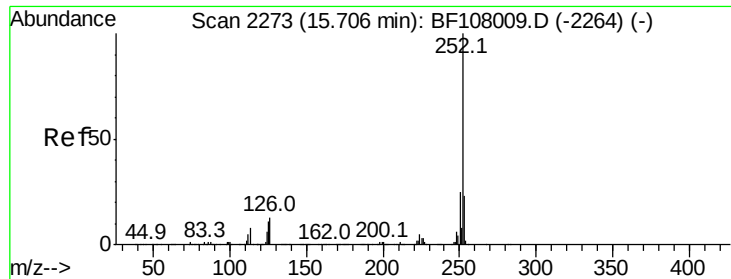
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#87
Benzo(b)fluoranthene
Concen: 4.068 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	27.8	9.0	13.6#





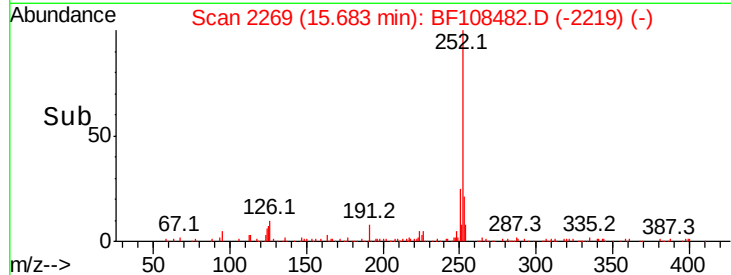
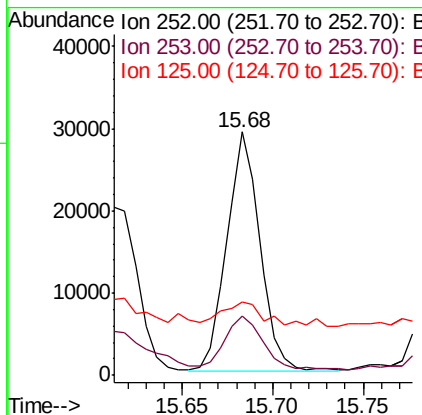
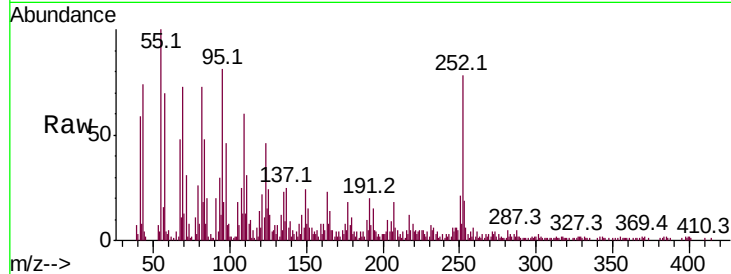
#89
Benzo(a)pyrene
Concen: 2.830 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	30.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.195 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9
138	22.2	21.8	32.8

