

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108509.D
 Acq On : 27 Aug 2018 14:41
 Operator : JU/SJ
 Sample : J4646-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-C5

Manual Integrations
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Quant Time: Aug 27 15:30:12 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	123740	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	470639	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	231972	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	397819	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	286837	20.00	ng	0.00
86) Perylene-d12	15.75	264	278684	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	702561	102.79	ng	0.00
7) Phenol-d6	6.62	99	951460	104.76	ng	0.00
23) Nitrobenzene-d5	7.56	82	634748	75.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	258267	111.62	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1173576	81.22	ng	-0.01
78) Terphenyl-d14	13.12	244	913205	80.95	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	254252	15.735	ng	Qvalue # 99
70) Phenanthrene	11.57	178	385964	20.570	ng	99
71) Anthracene	11.61	178	94689	4.924	ng	97
74) Fluoranthene	12.76	202	523535	25.565	ng	95
77) Pyrene	12.99	202	443370	24.415	ng	99
80) Benzo(a)anthracene	14.18	228	191850	11.654	ng	96
82) Chrysene	14.22	228	212269m	14.065	ng	
85) Indeno(1,2,3-cd)pyrene	17.35	276	67974	5.198	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	238489m	14.322	ng	
88) Benzo(k)fluoranthene	15.31	252	76030m	4.967	ng	
89) Benzo(a)pyrene	15.68	252	159235	10.678	ng	97
91) Benzo(a,h,i)perylene	17.85	276	60339	4.967	ng	# 90

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

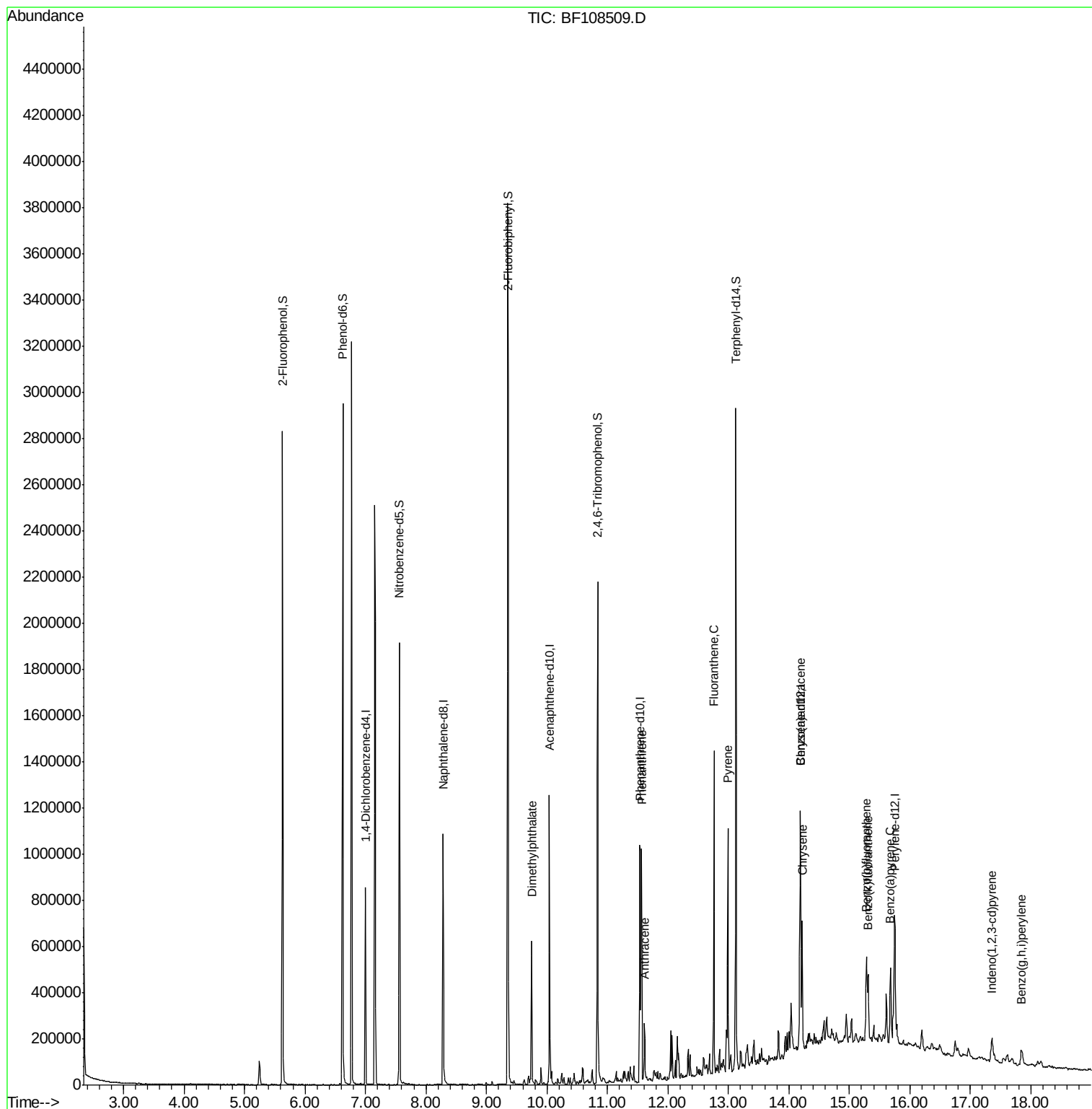
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
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ALS Vial : 13 Sample Multiplier: 1

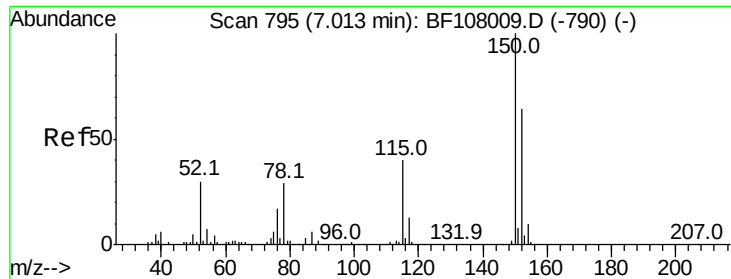
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

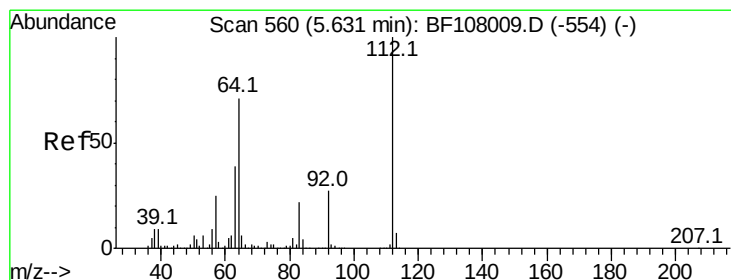
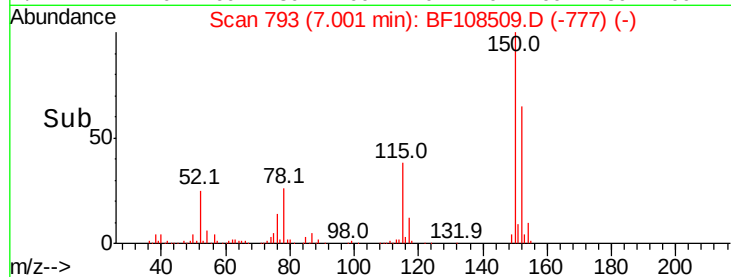
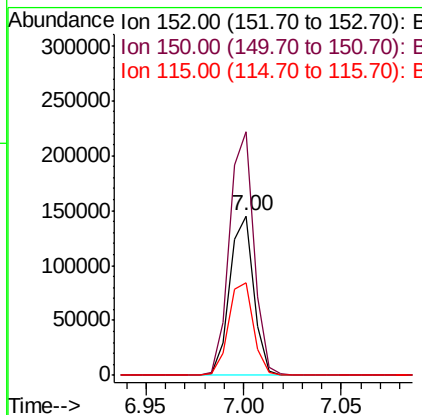
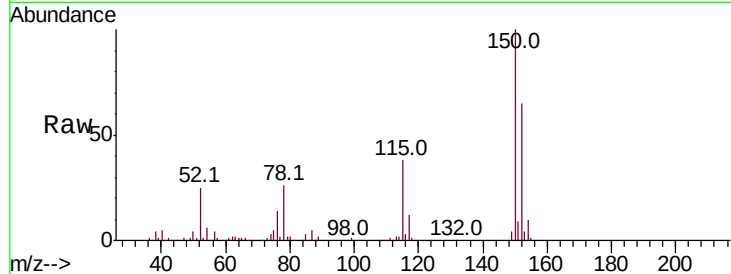
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-C5

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	57.9	50.1	75.1

Manual Integrations
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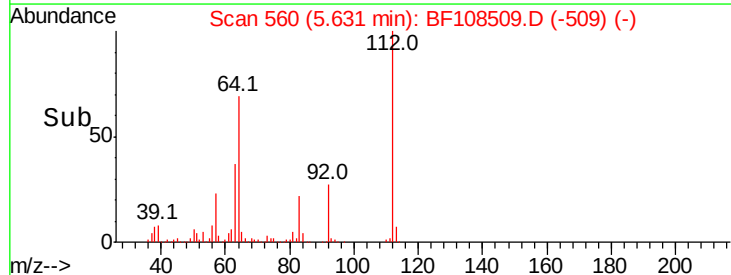
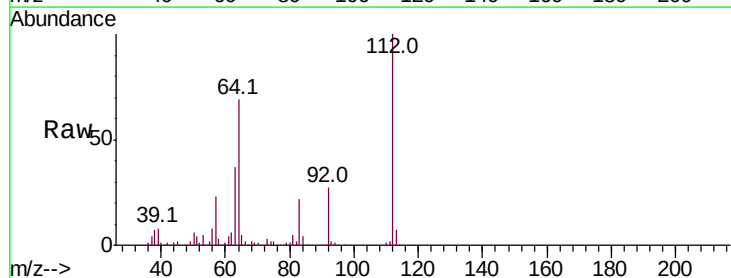
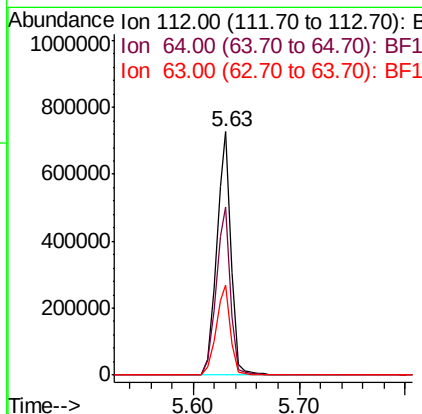
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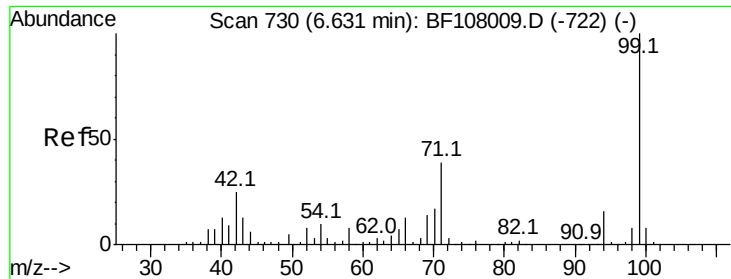


#5

2-Fluorophenol
Concen: 102.793 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	47.9	71.9
63	36.7	23.7	35.5





#7

Phenol-d6

Concen: 104.758 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108509.D

Acq: 27 Aug 2018 14:41

Instrument :

BNA_F

ClientSampleId :

EP1-Q4-C5

Tot Ion: 99 Resp: 951460

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

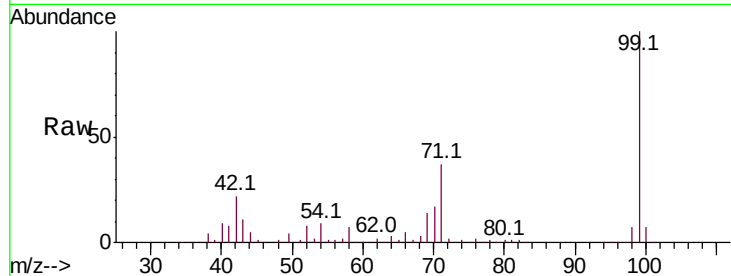
71 37.0 25.4 38.0

Manual Integrations

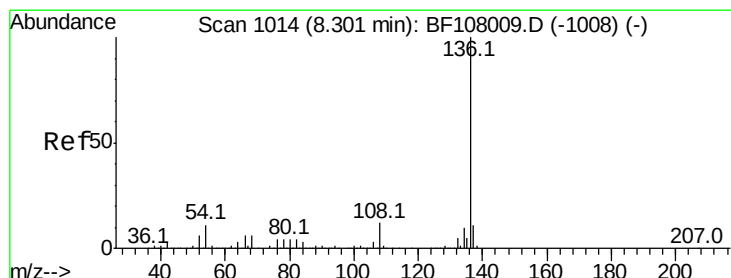
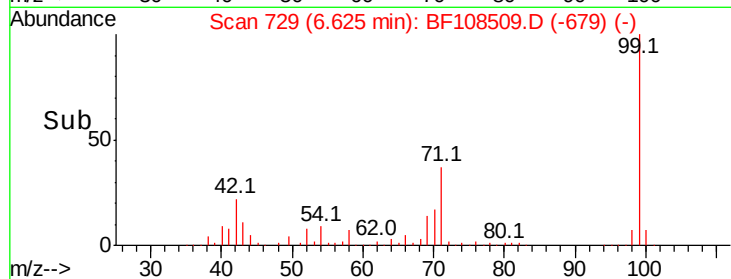
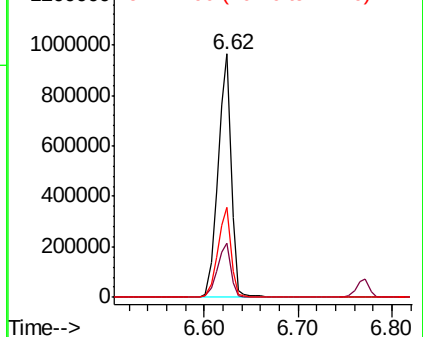
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108509.D

Acq: 27 Aug 2018 14:41

Tgt Ion: 136 Resp: 470639

Ion Ratio Lower Upper

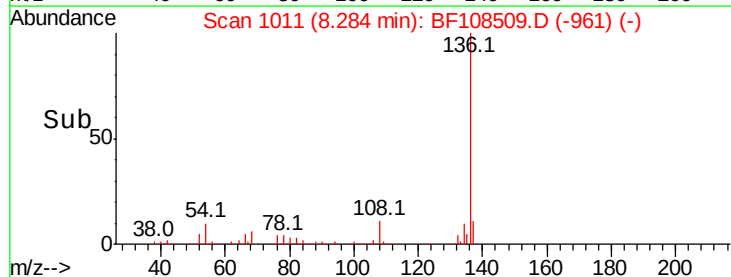
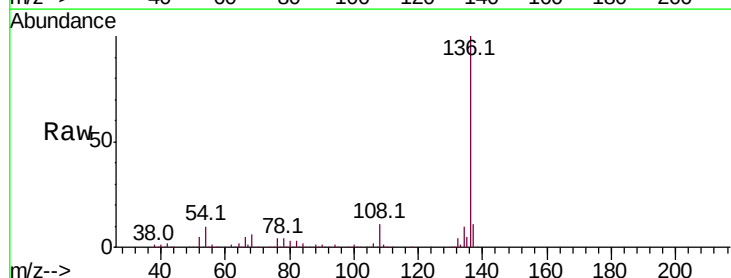
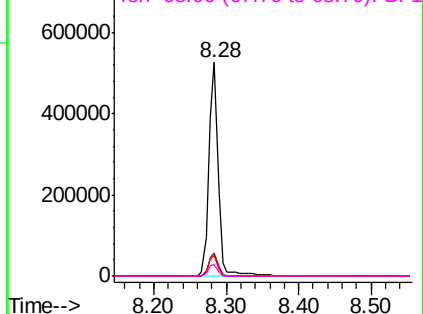
136 100

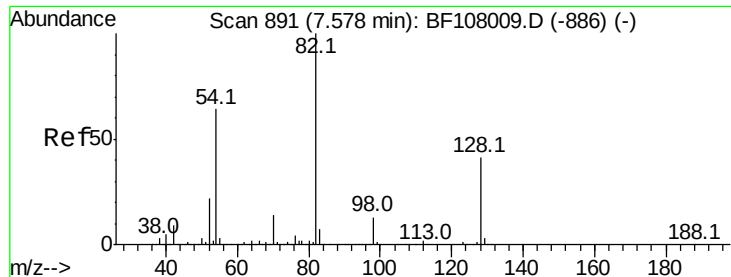
137 11.0 8.9 13.3

54 9.8 6.6 9.8

68 5.7 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





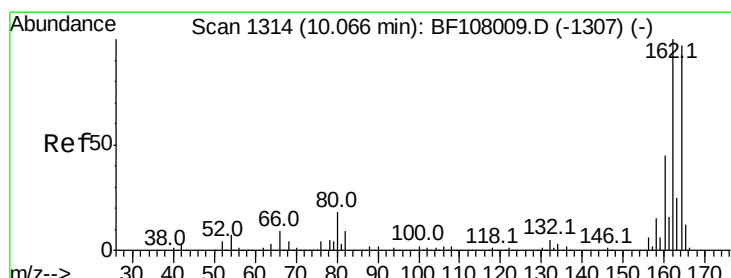
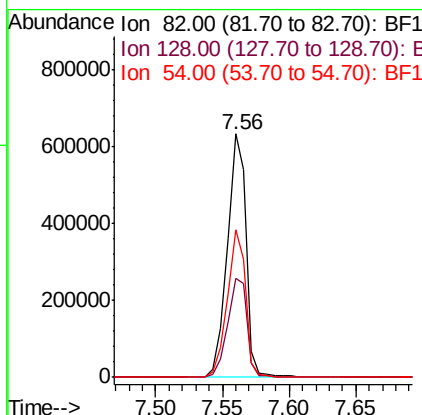
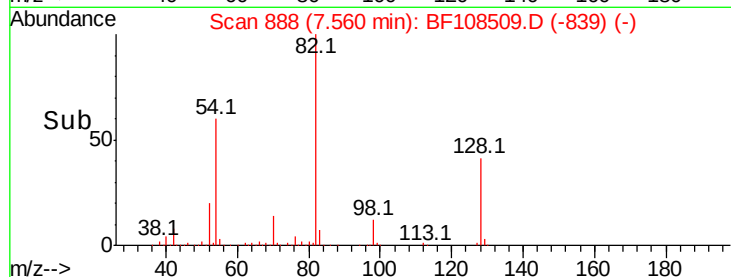
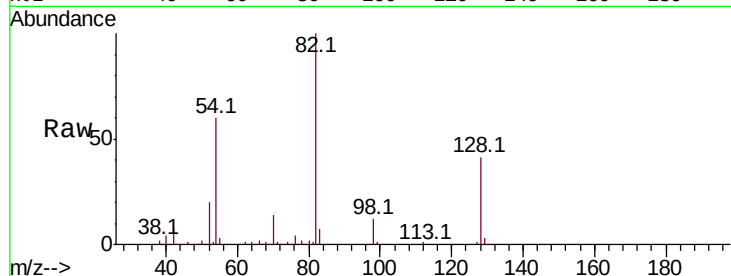
#23
 Nitrobenzene-d5
 Concen: 75.259 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-C5

Tot Ion:	82	Resp:	634748
Ion Ratio	Lower	Upper	
82	100		
128	40.6	36.1	54.1
54	60.5	41.4	62.2

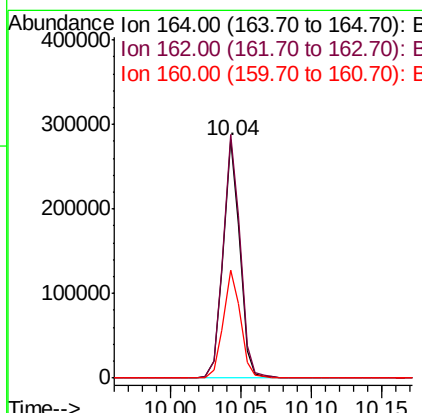
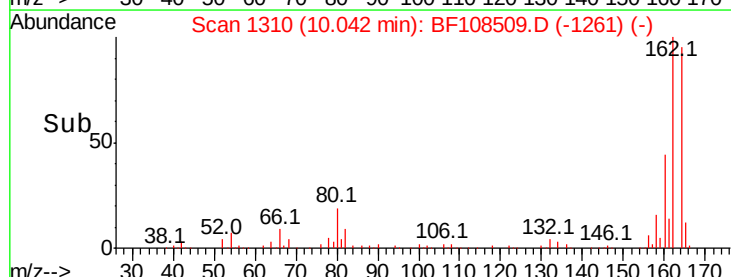
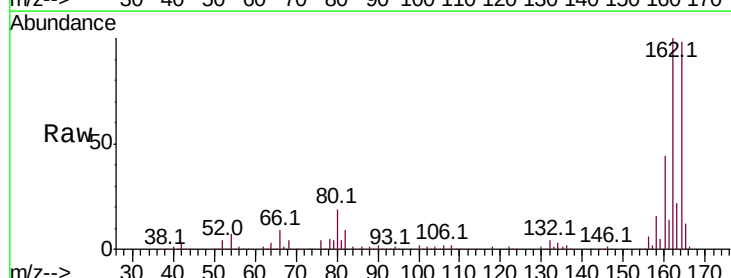
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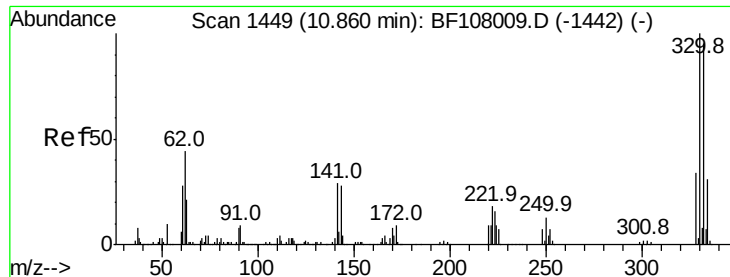
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Tgt Ion:	164	Resp:	231972
Ion Ratio	Lower	Upper	
164	100		
162	102.3	86.1	129.1
160	45.4	38.3	57.5





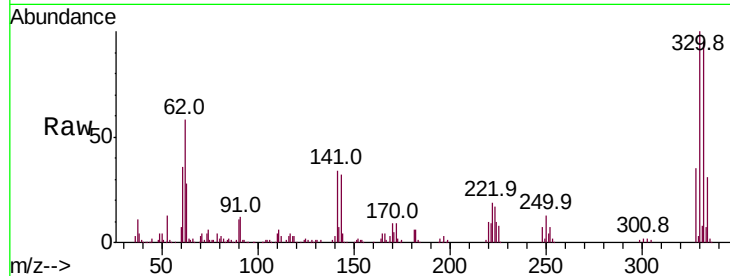
#41
 2,4,6-Tribromophenol
 Concen: 111.617 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-C5

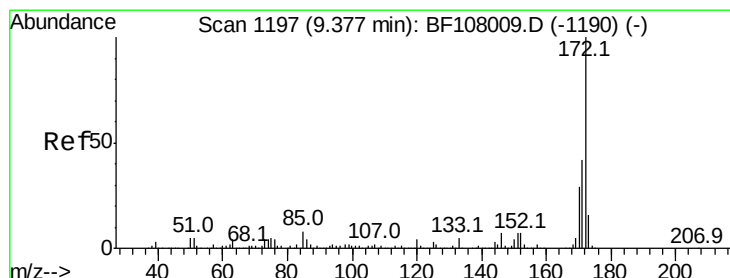
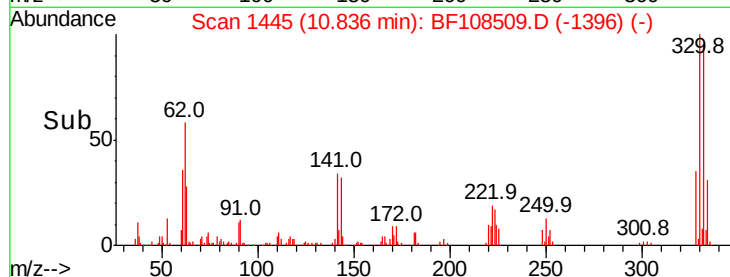
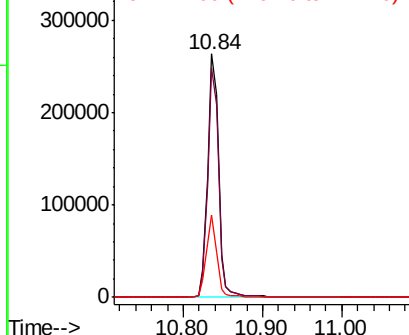
Tot Ion	Ratio	Resp	Lower	Upper
330	100	258267		
332	93.9	77.0	115.6	
141	32.6	29.9	44.9	

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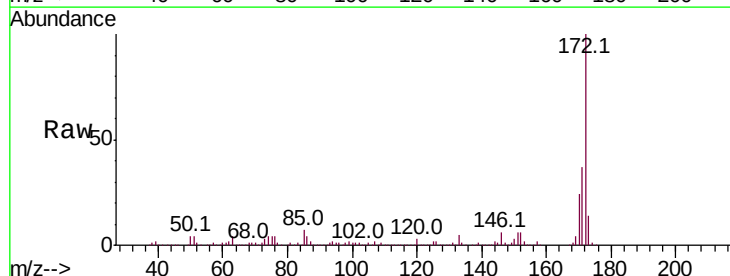


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

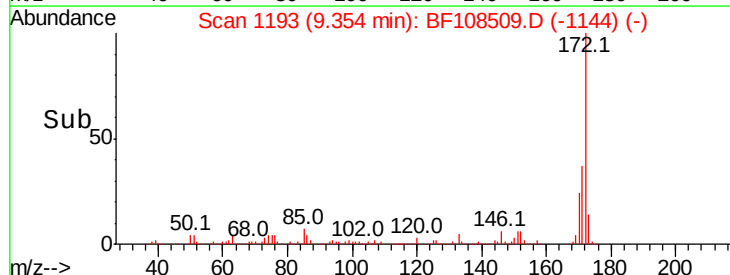
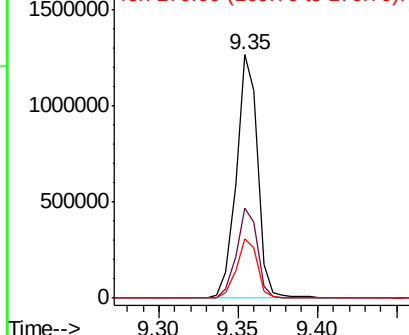


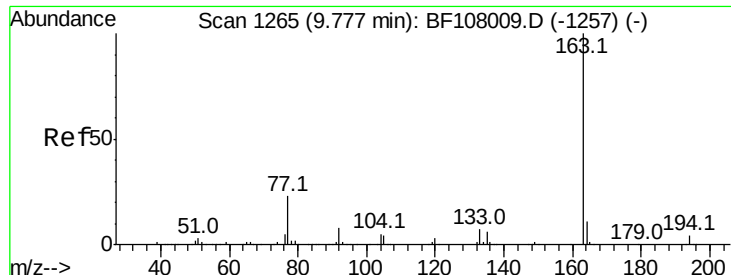
#44
 2-Fluorobiphenyl
 Concen: 81.223 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1173576		
171	37.1	29.7	44.5	
170	24.5	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





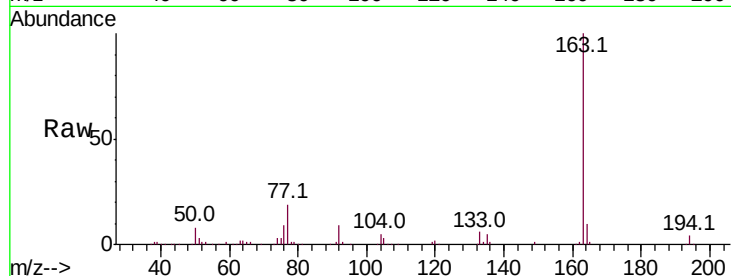
#49
 Dimethylphthalate
 Concen: 15.735 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-C5

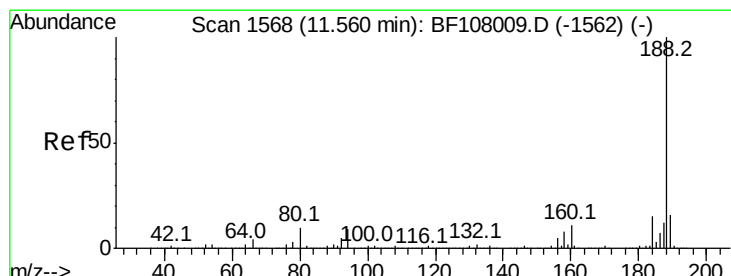
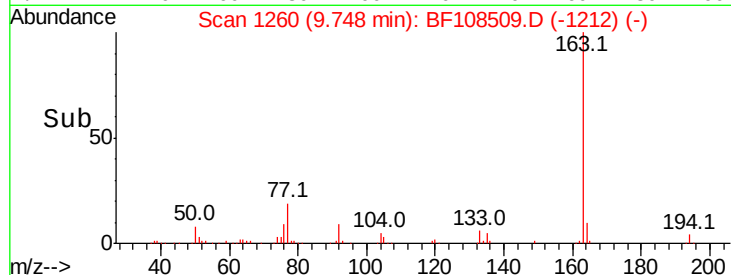
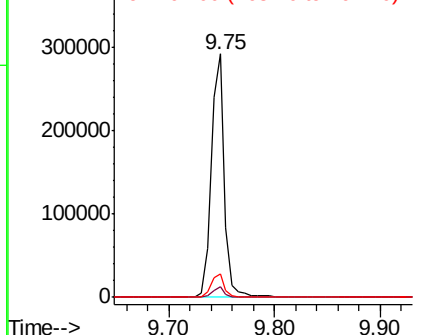
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	2.7	4.1#	
164	9.9	8.2	12.2	

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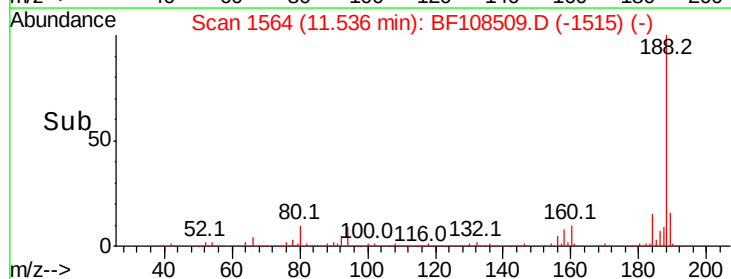
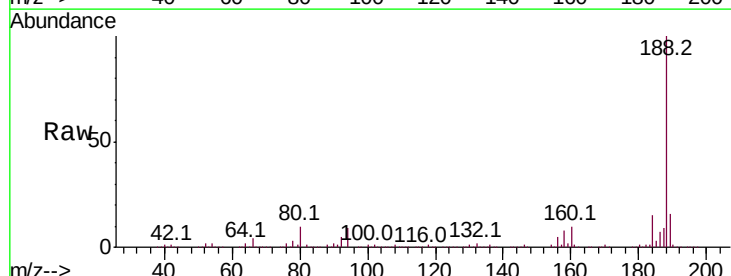
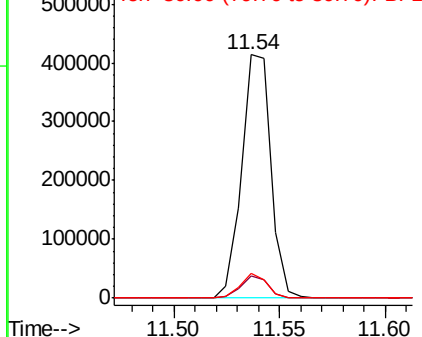
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

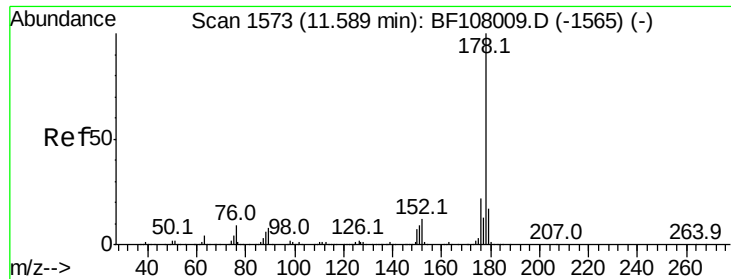


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.1	8.5	12.7	
80	10.2	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





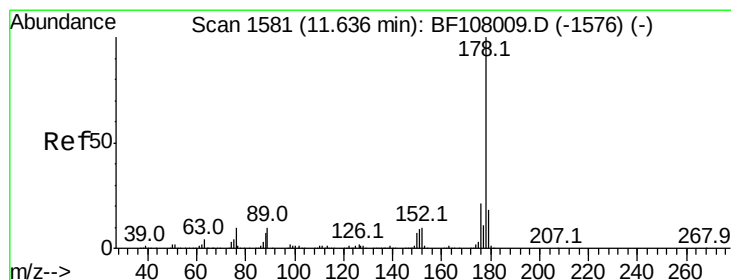
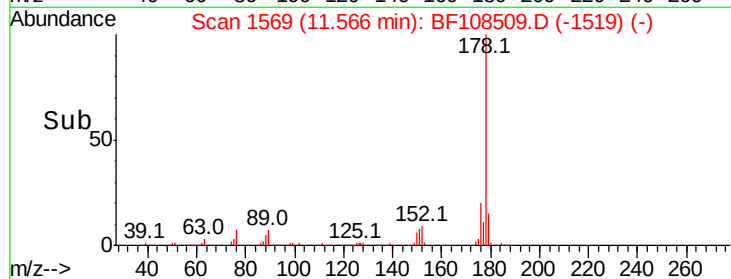
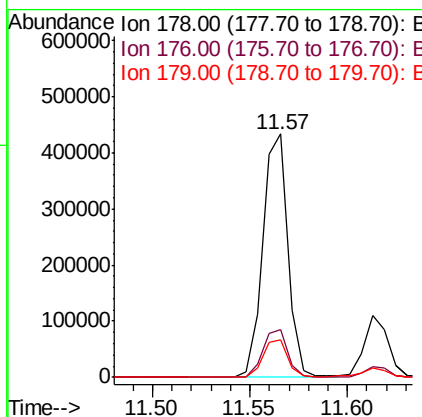
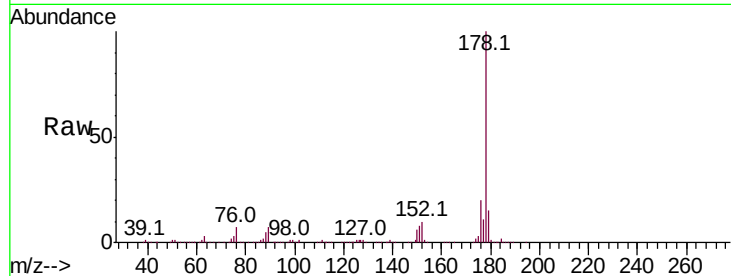
#70
Phenanthrene
Concen: 20.570 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Instrument :
BNA_F
ClientSampled :
EP1-Q4-C5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.4	13.0	19.6

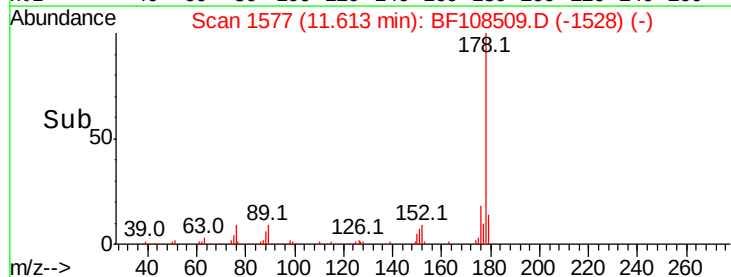
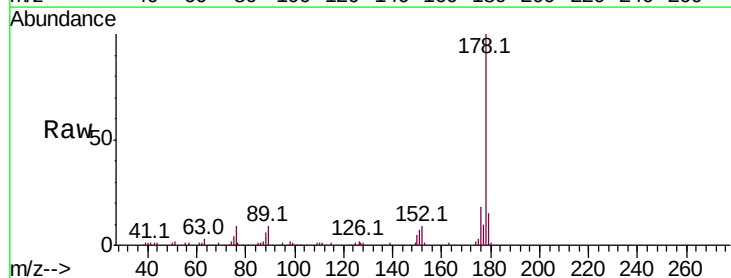
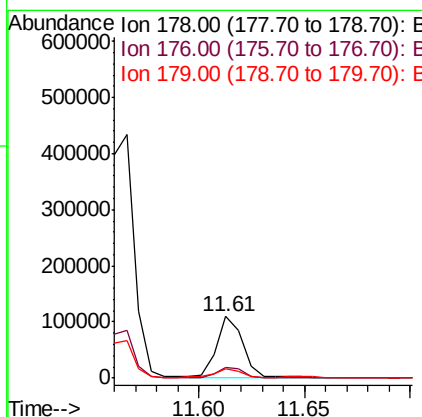
Manual Integrations
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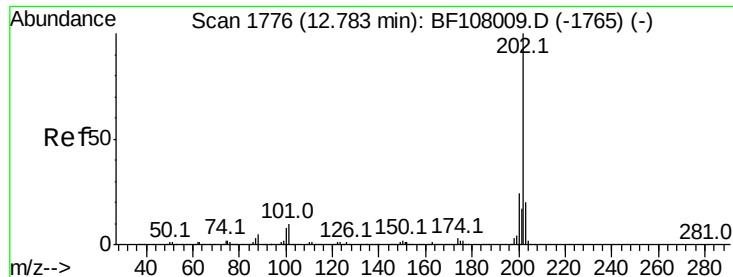
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#71
Anthracene
Concen: 4.924 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	14.8	12.6	19.0





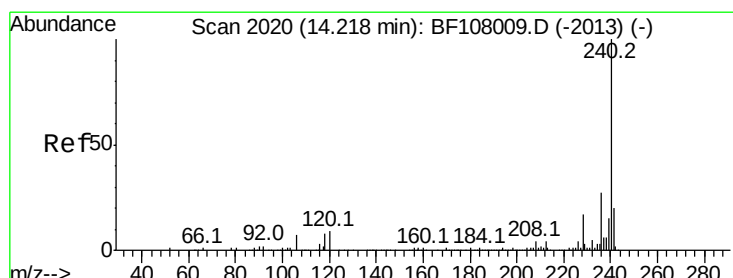
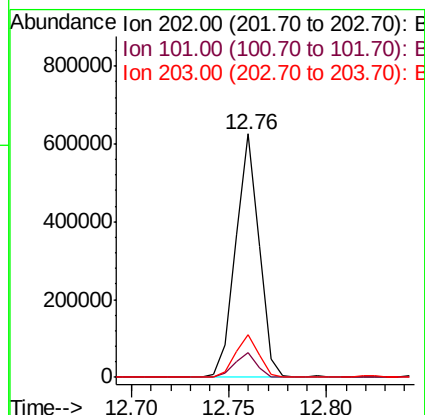
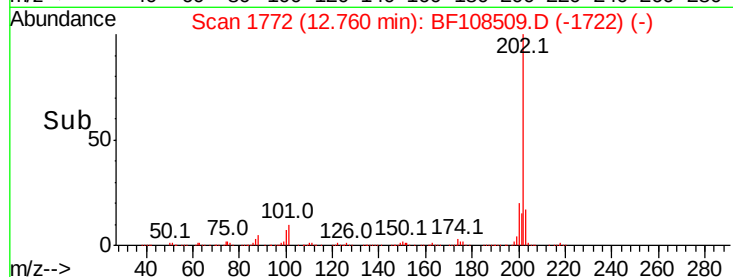
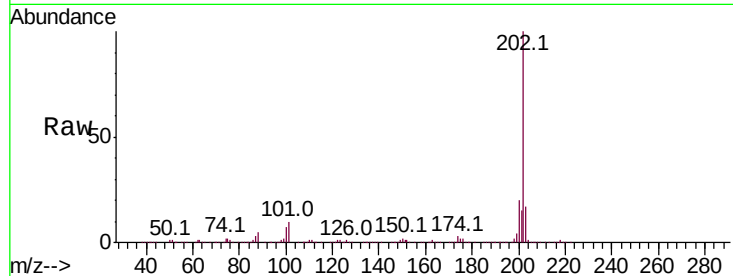
#74
Fluoranthene
Concen: 25.565 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-C5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	34.1
203	17.3	0.0	38.1

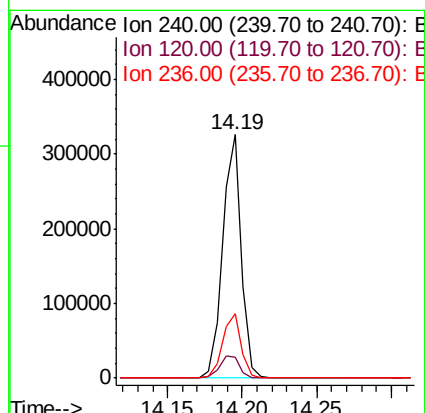
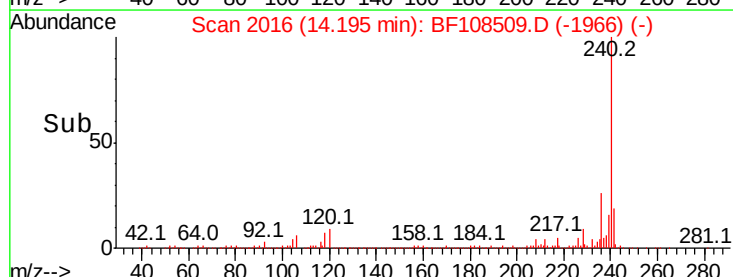
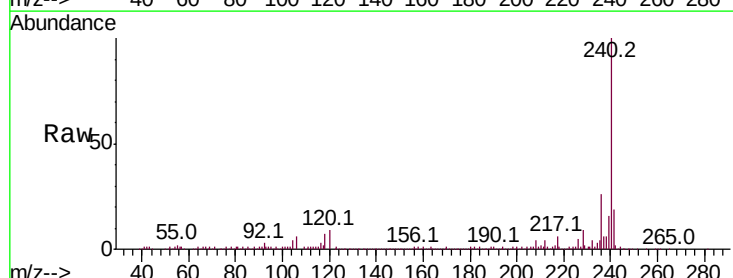
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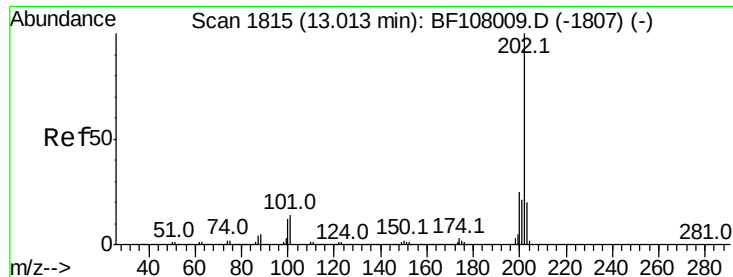
Sohil
8/27/2018 5:09:53 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

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





#77

Pvrene

Concen: 24.415 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108509.D

Acq: 27 Aug 2018 14:41

Instrument :

BNA_F

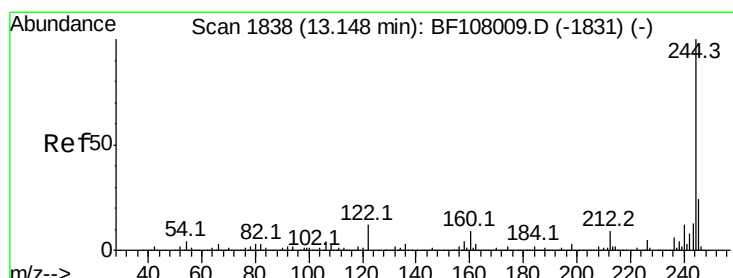
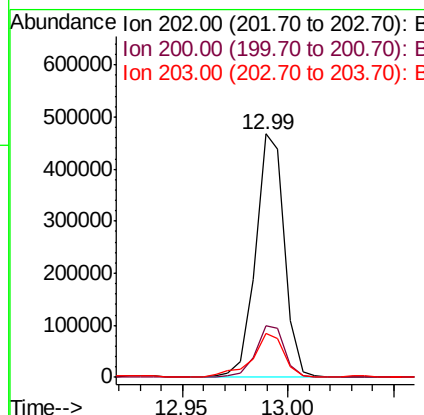
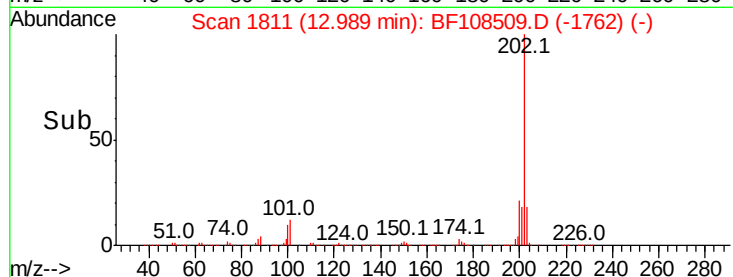
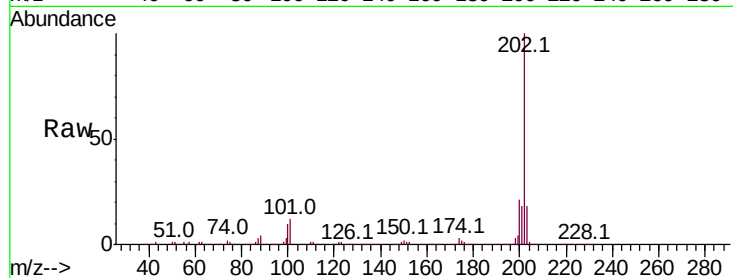
ClientSampleId :

EP1-Q4-C5

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.4	26.2	
203	17.8	14.3	21.5	

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#78

Terphenyl-d14

Concen: 80.948 ng

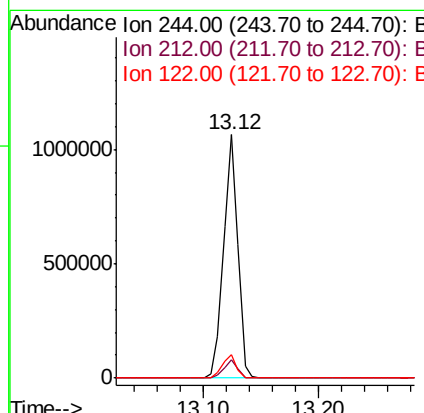
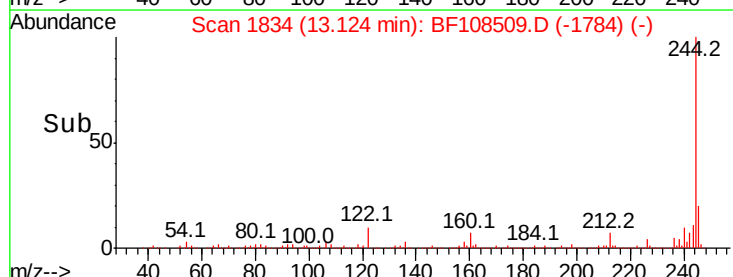
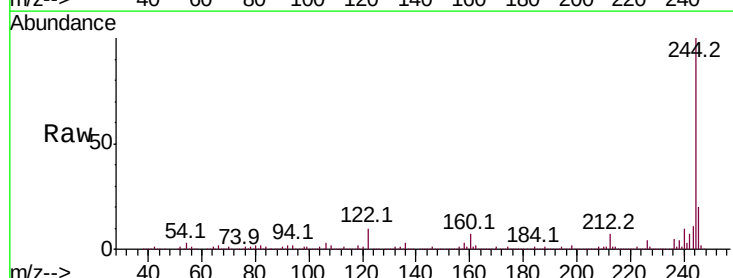
RT: 13.12 min Scan# 1834

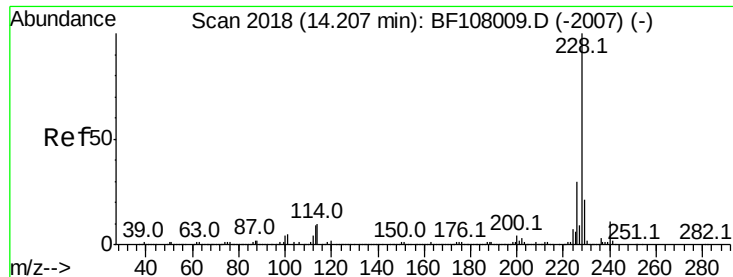
Delta R.T. -0.01 min

Lab File: BF108509.D

Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	5.4	8.0	
122	9.7	11.0	16.4	





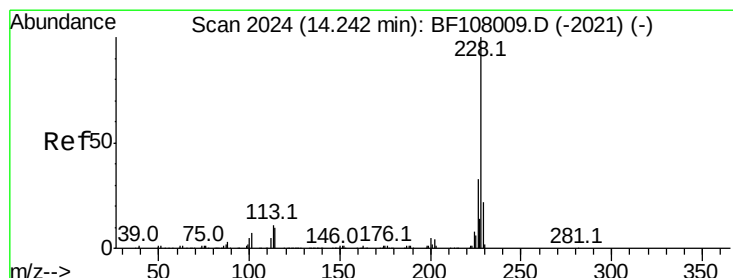
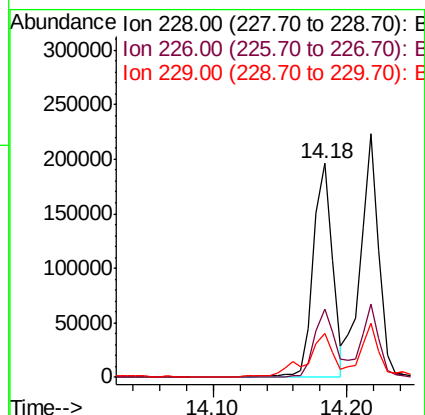
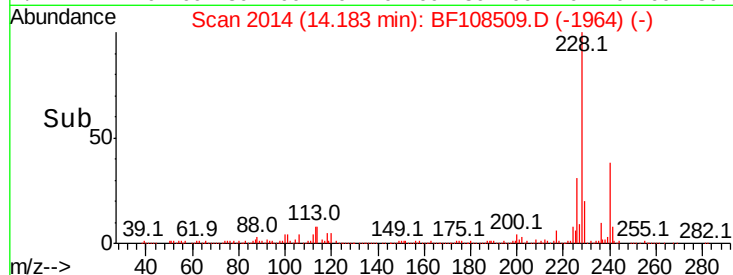
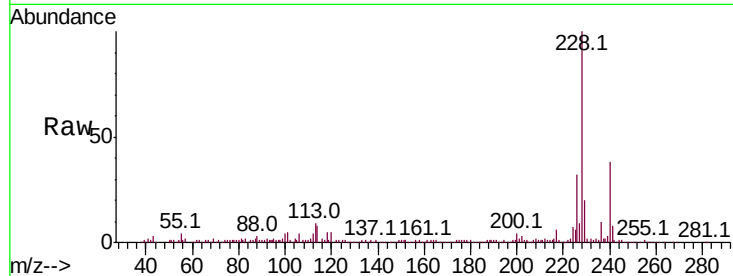
#80
Benzo(a)anthracene
Concen: 11.654 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Instrument :
BNA_F
ClientSampled :
EP1-Q4-C5

Tot Ion:	228	Resp:	191850
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.6	33.8
229	20.3	15.8	23.6

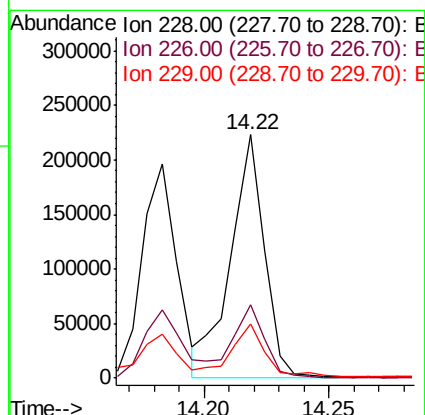
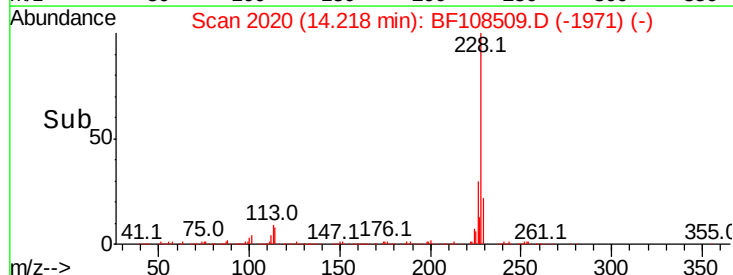
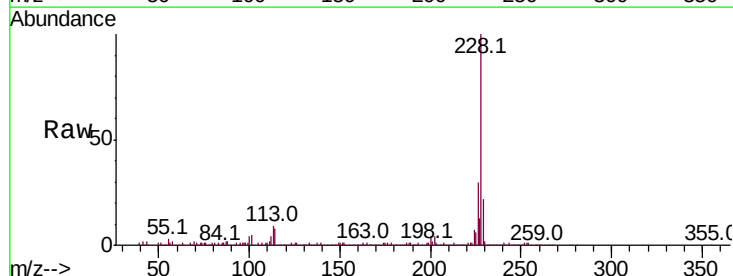
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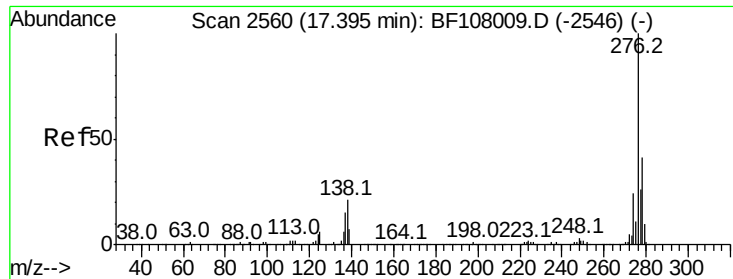
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#82
Chrysene
Concen: 14.065 ng m
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Tgt Ion:	228	Resp:	212269
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.3	16.2	24.4





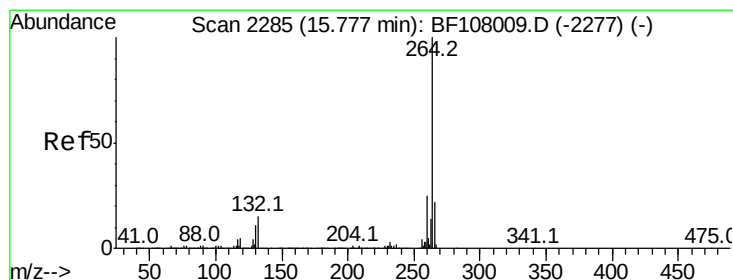
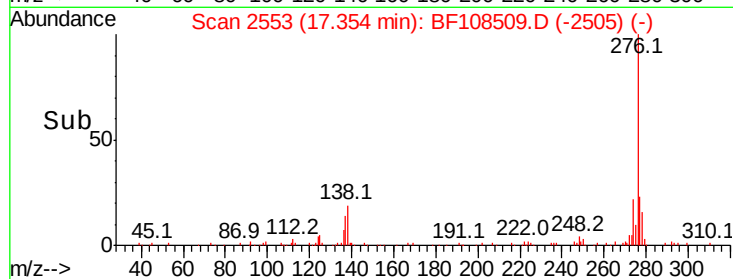
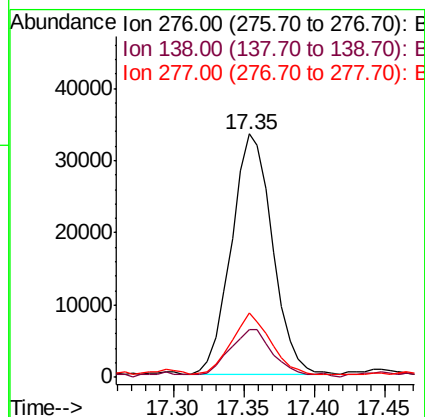
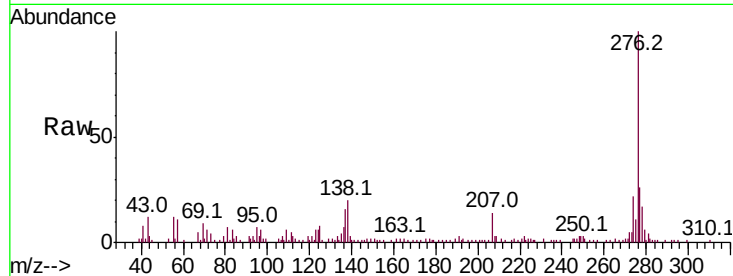
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.198 ng
 RT: 17.35 min Scan# 2553
 Delta R.T. -0.02 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-C5

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	24.8	20.1	30.1

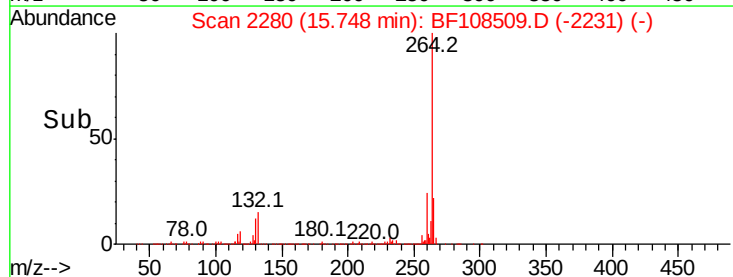
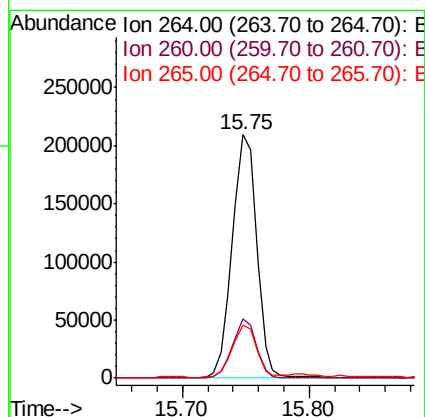
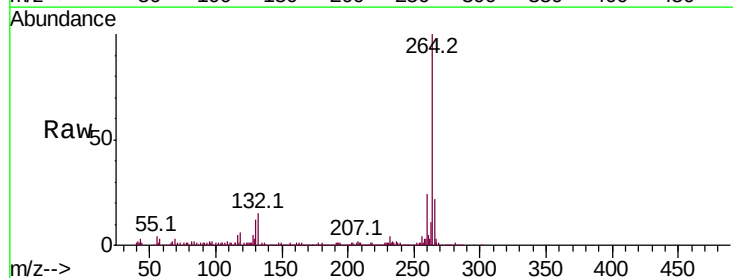
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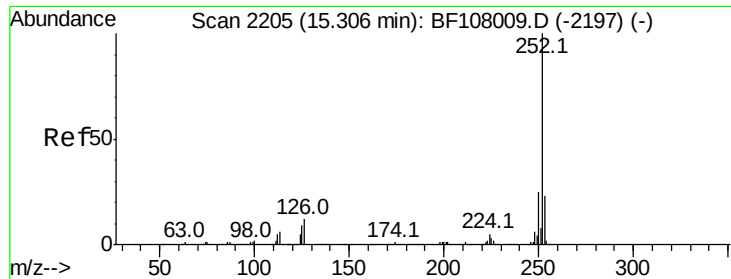
Sohil
 8/27/2018 5:09:53 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108509.D
 Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3





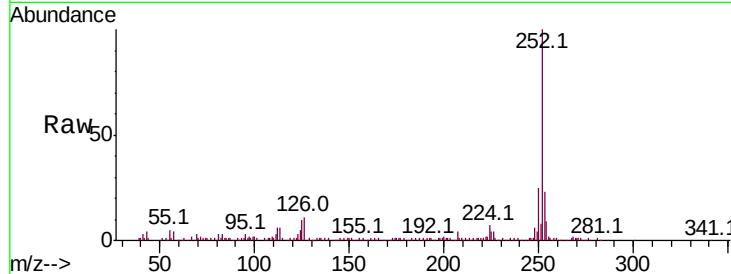
#87
Benzo(b)fluoranthene
Concen: 14.322 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-C5

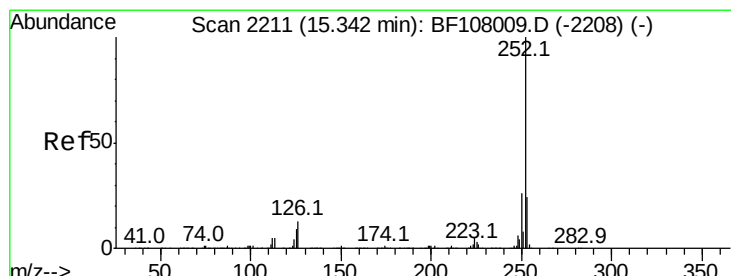
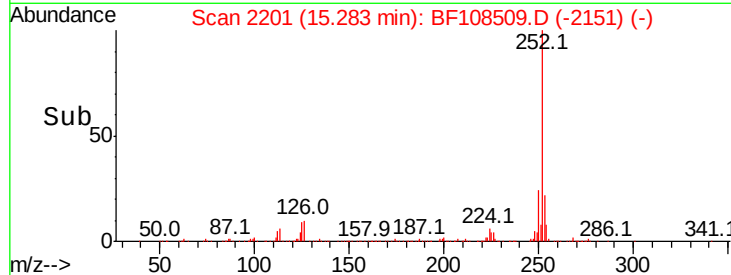
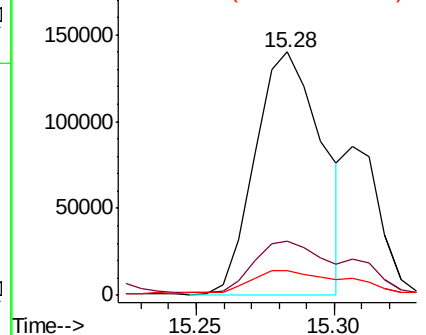
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.4	9.0	13.6

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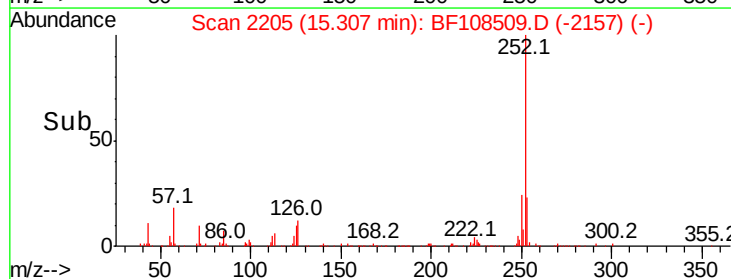
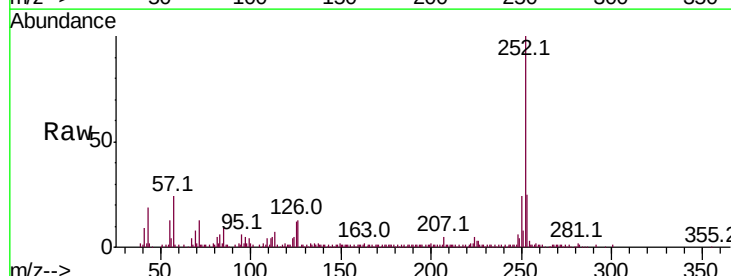
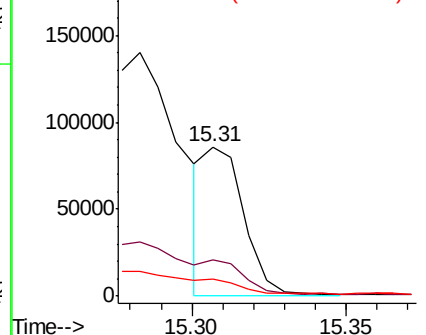
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

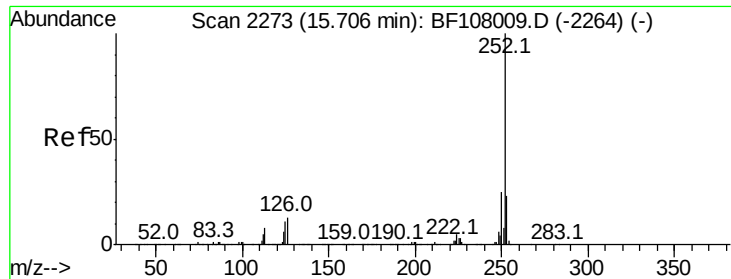


#88
Benzo(k)fluoranthene
Concen: 4.967 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	11.8	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





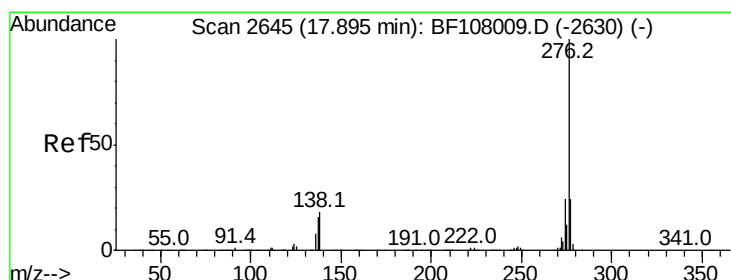
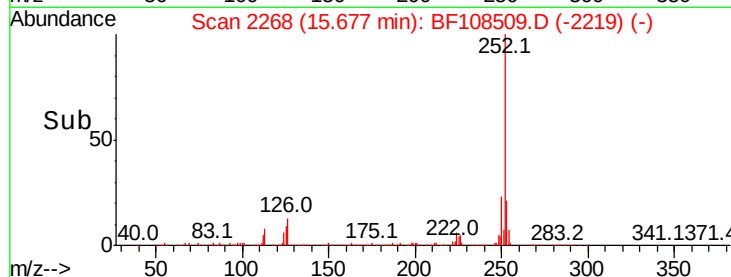
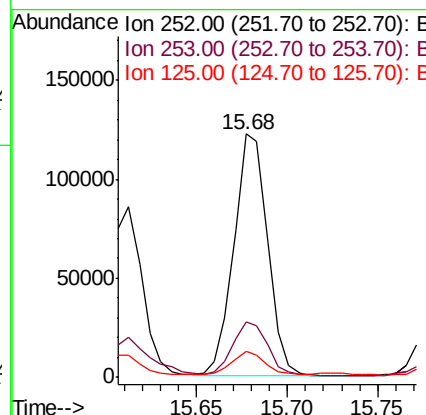
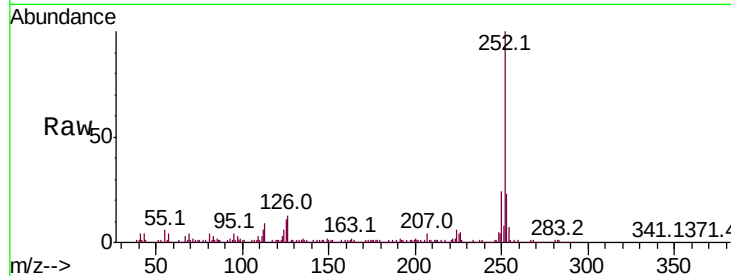
#89
Benzo(a)pyrene
Concen: 10.678 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-C5

Tot Ion:	252	Resp:	159235
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	10.8	9.8	14.6

Manual Integrations
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8/27/2018 5:09:53 PM



#91
Benzo(g,h,i)perylene
Concen: 4.967 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108509.D
Acq: 27 Aug 2018 14:41

Tgt Ion:	276	Resp:	60339
Ion Ratio	Lower	Upper	
276	100		
277	23.7	17.9	26.9
138	19.3	21.8	32.8#

