

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
 Data File : BF109702.D
 Acq On : 9 Oct 2018 18:35
 Operator : JU/SJ
 Sample : J5201-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-A

Manual Integrations
 APPROVED

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 10/10/2018 11:37:08 AM

Quant Time: Oct 09 19:15:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	87772	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	383683	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	165988	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	264794	20.00	ng	0.00
75) Chrysene-d12	13.83	240	217467	20.00	ng	0.00
86) Perylene-d12	15.23	264	188389	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	118421	23.95	ng	-0.01
7) Phenol-d6	6.34	99	248615	37.64	ng	-0.02
23) Nitrobenzene-d5	7.26	82	147055	21.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	60459	33.43	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	323548	26.85	ng	-0.01
78) Terphenyl-d14	12.78	244	239705	21.34	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.45	163	33938	2.788	ng	99
57) Fluorene	10.27	166	29627	2.757	ng	97
70) Phenanthrene	11.23	178	250339	18.892	ng	98
71) Anthracene	11.28	178	82776	6.043	ng	98
72) Carbazole	11.45	167	41784	3.145	ng	96
74) Fluoranthene	12.41	202	414089	29.912	ng	97
77) Pyrene	12.63	202	332214	20.851	ng	98
80) Benzo(a)anthracene	13.82	228	174022	14.501	ng	97
82) Chrysene	13.85	228	157587	12.502	ng	96
85) Indeno(1,2,3-cd)pyrene	16.57	276	75435m	8.361	ng	
87) Benzo(b)fluoranthene	14.83	252	178967m	17.191	ng	
88) Benzo(k)fluoranthene	14.86	252	74593m	7.131	ng	
89) Benzo(a)pyrene	15.17	252	128654	13.618	ng	96
91) Benzo(a,h,i)perylene	16.98	276	64844	8.369	ng	99

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

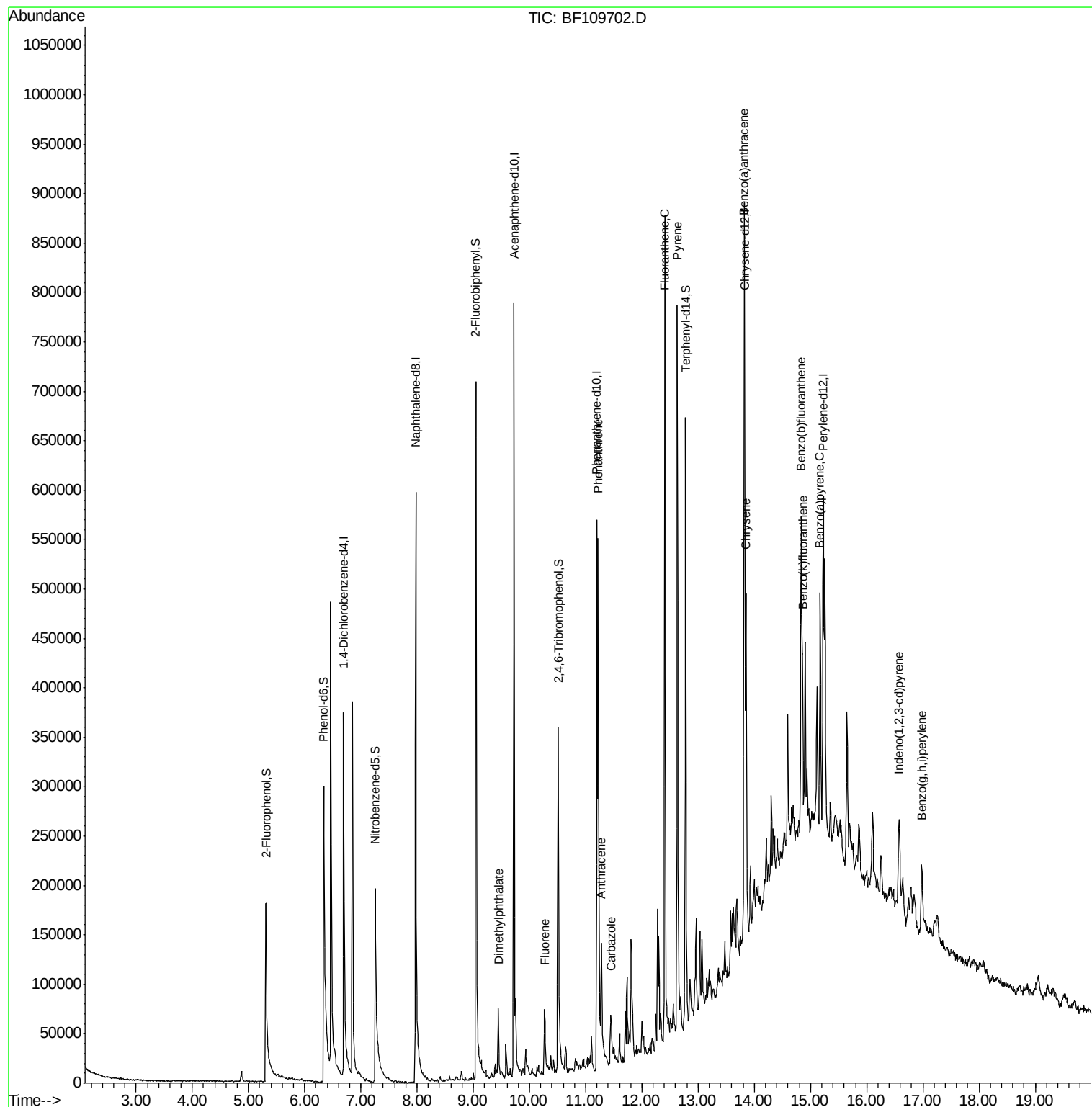
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
Data File : BF109702.D
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Sample : J5201-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

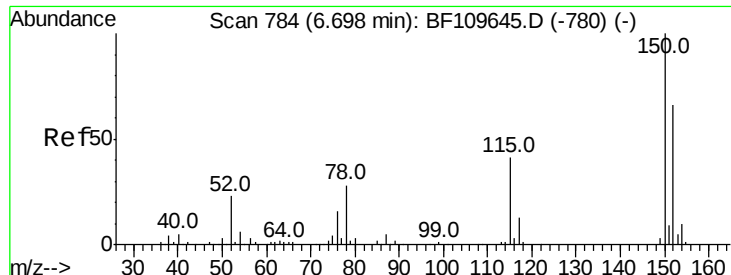
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

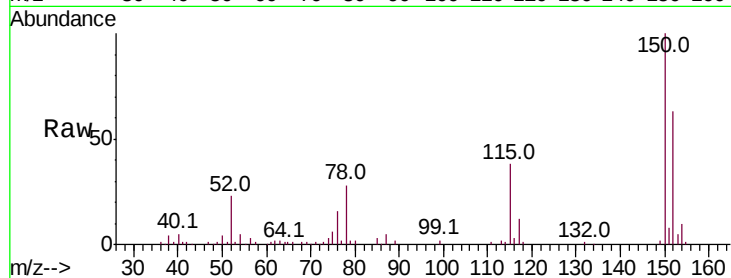
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	122.7	184.1
115	61.0	49.1	73.7

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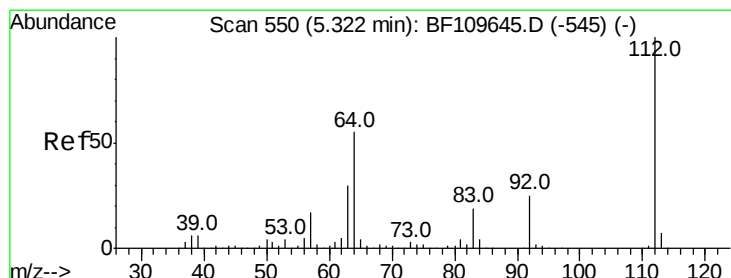
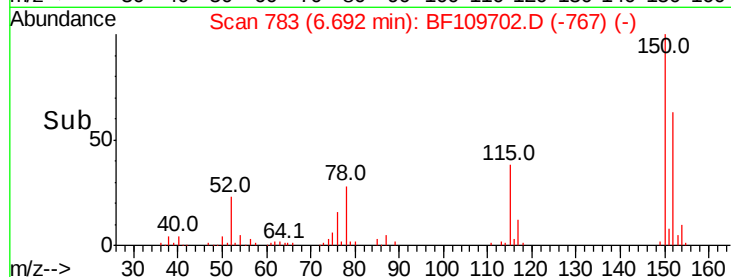
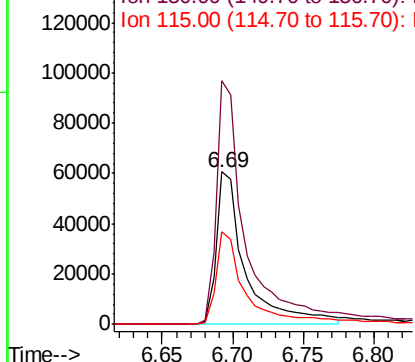


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

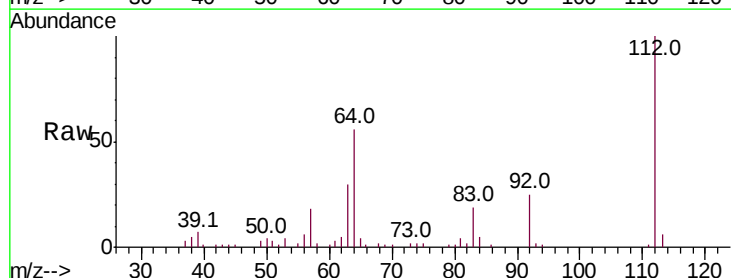
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.949 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.1	66.1
63	29.5	23.7	35.5

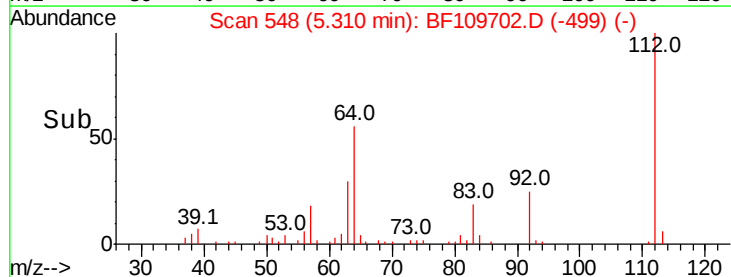
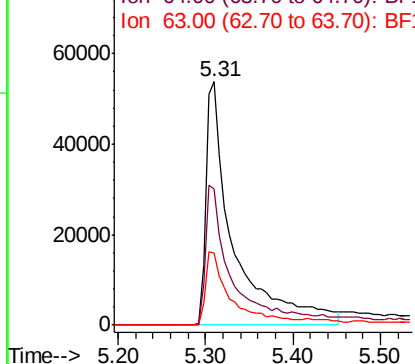


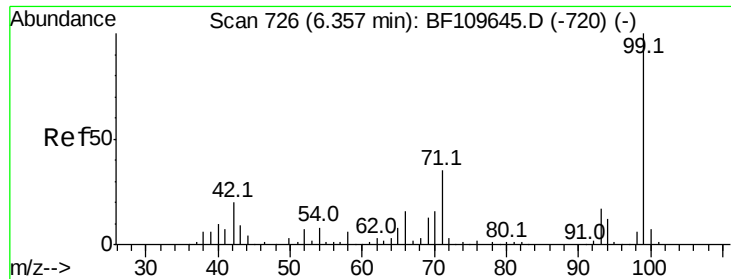
Abundance

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: 37.636 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

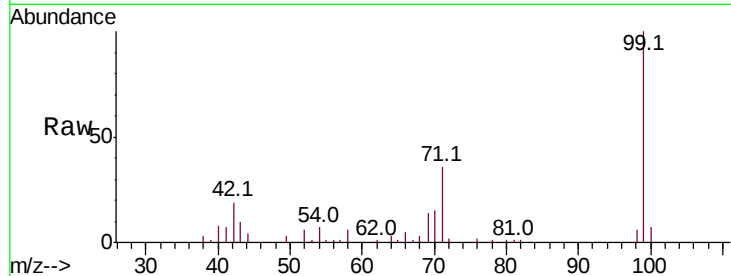
ClientSampleId :

EO-02-100818-A

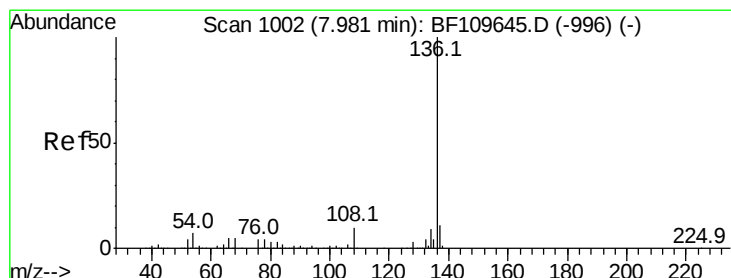
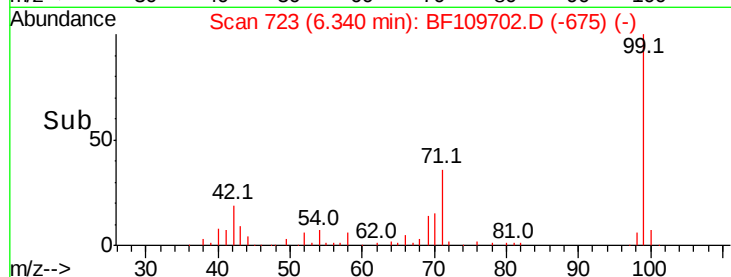
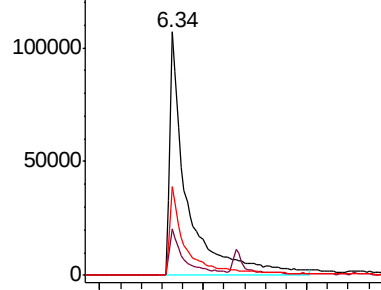
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		248615		
42	19.3	15.8	23.6		
71	36.3	28.0	42.0		

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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: 7.97 min Scan# 1001

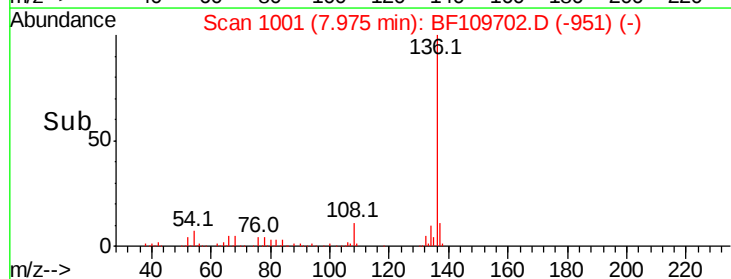
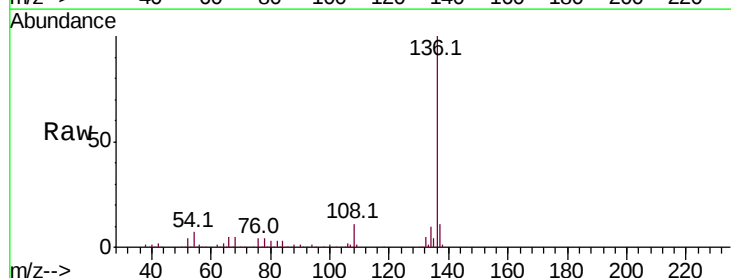
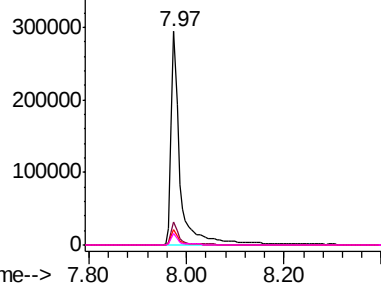
Delta R.T. -0.01 min

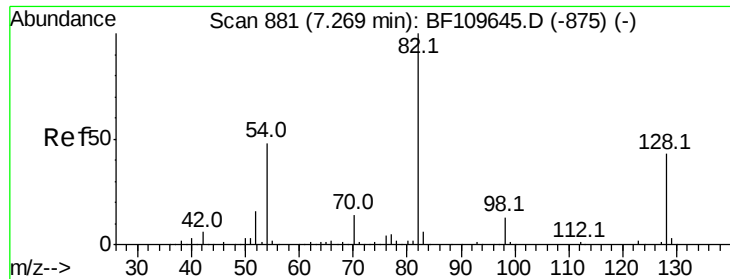
Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		383683		
137	10.7	8.8	13.2		
54	6.9	5.4	8.2		
68	5.1	4.2	6.2		

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





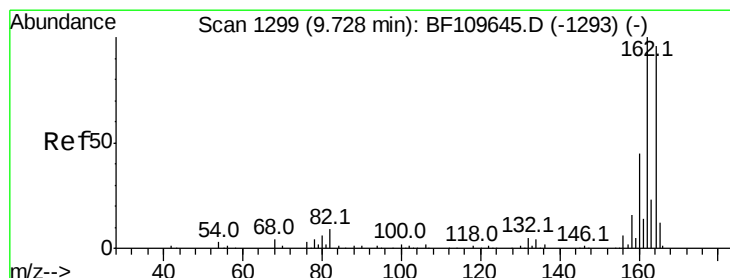
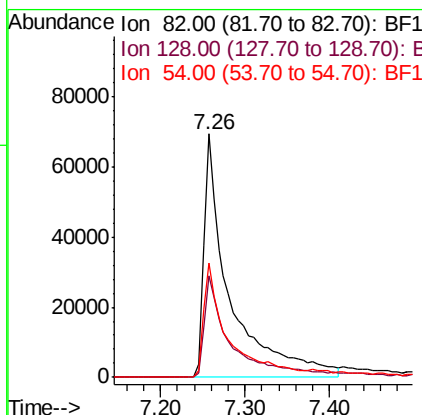
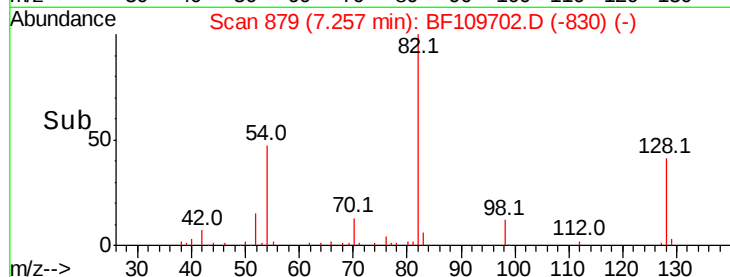
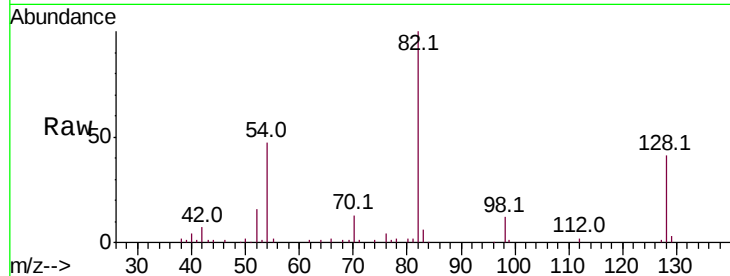
#23
Nitrobenzene-d5
Concen: 21.127 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	47.0	38.6	58.0

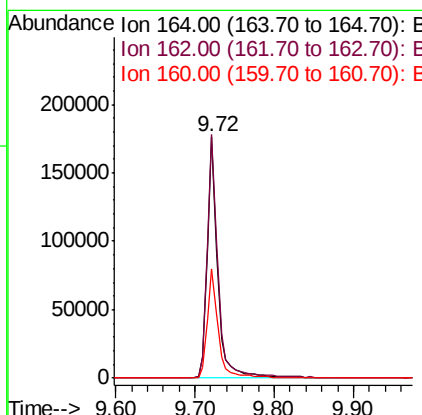
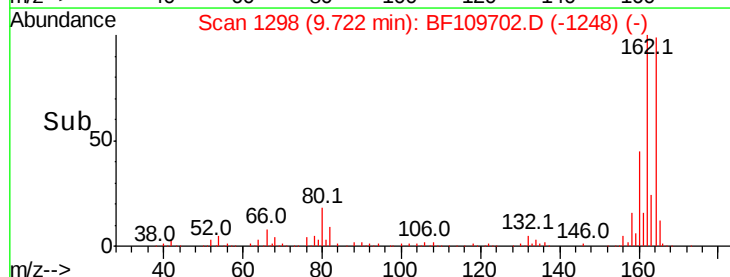
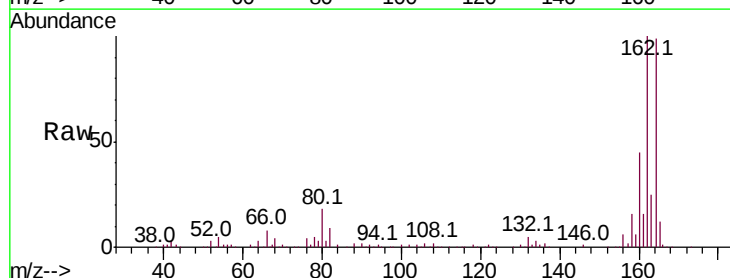
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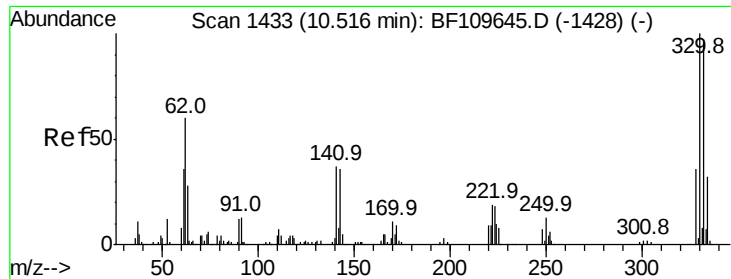
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.0	124.6
160	45.3	37.0	55.6





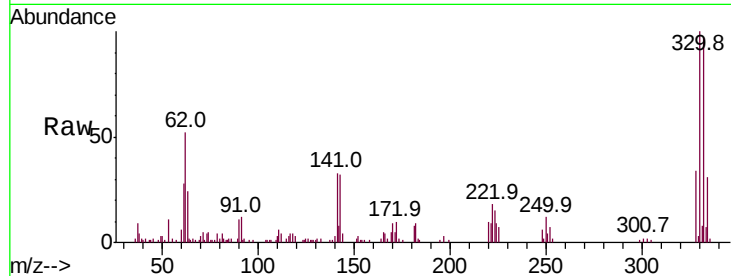
#41
 2,4,6-Tribromophenol
 Concen: 33.428 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	37.2	27.0	40.4

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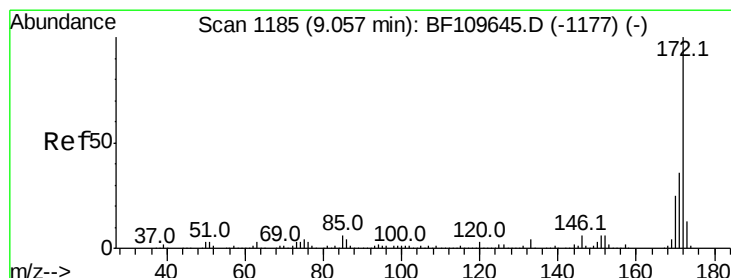
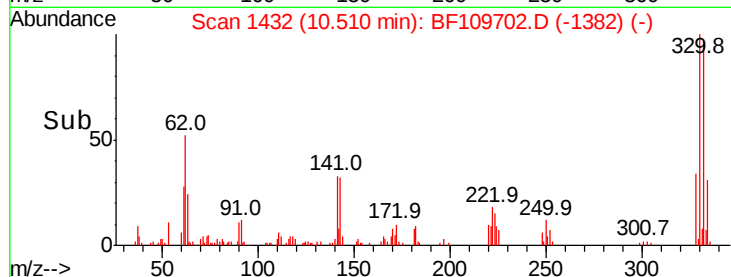
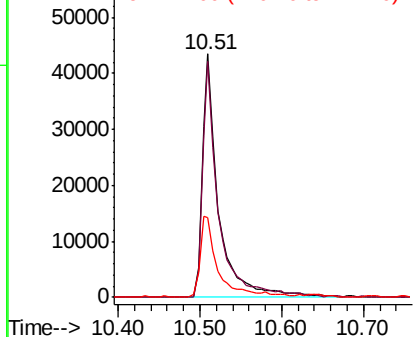


Abundance

Ion 329.80 (329.50 to 330.50): E

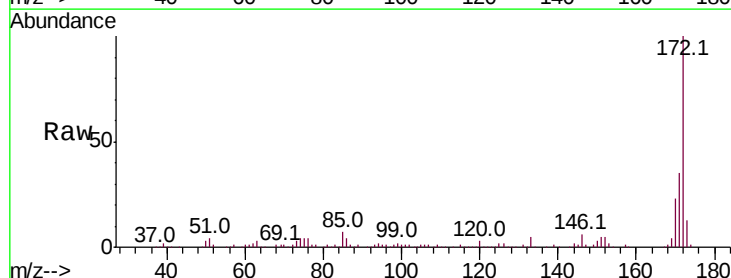
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.846 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.9	19.7	29.5

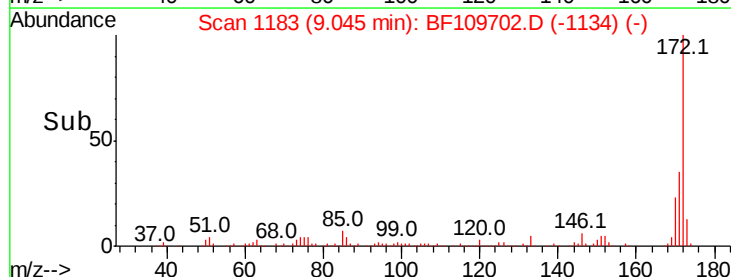
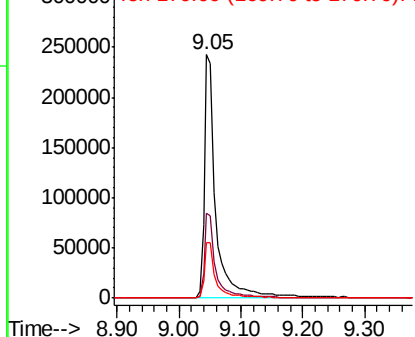


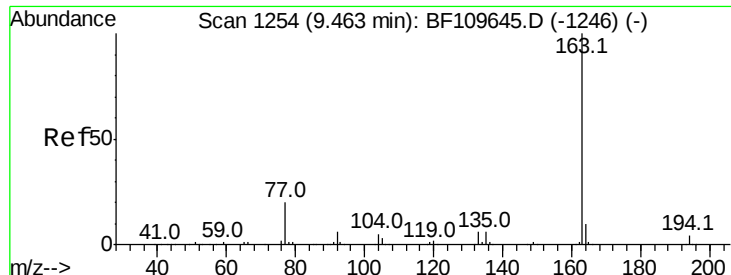
Abundance

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: 2.788 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

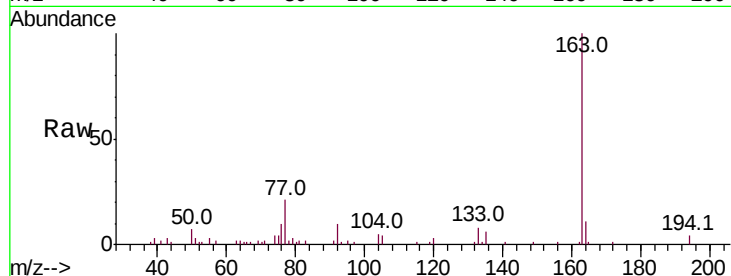
ClientSampleId :

EO-02-100818-A

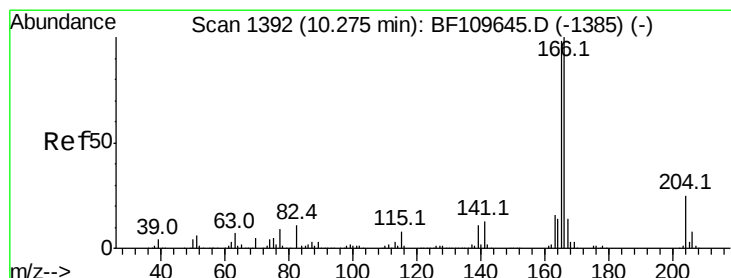
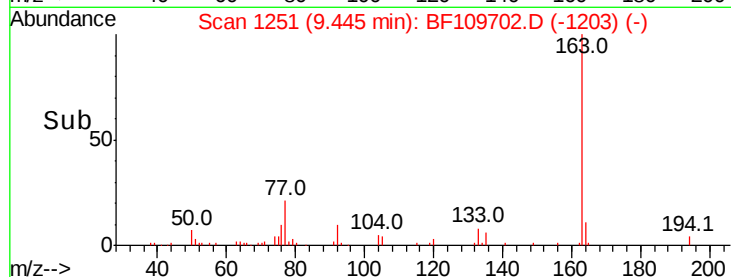
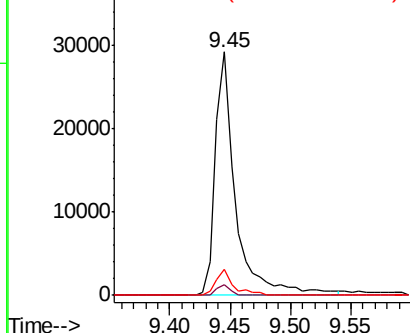
Tot Ion:	163	Resp:	33938
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.2	4.8
164	10.7	8.1	12.1

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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



#57

Fluorene

Concen: 2.757 ng

RT: 10.27 min Scan# 1391

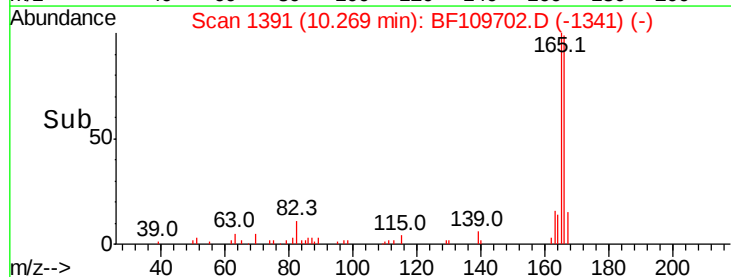
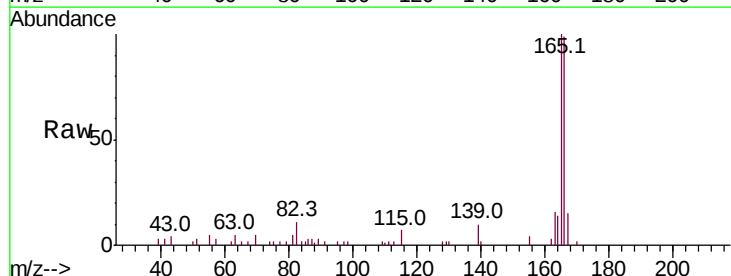
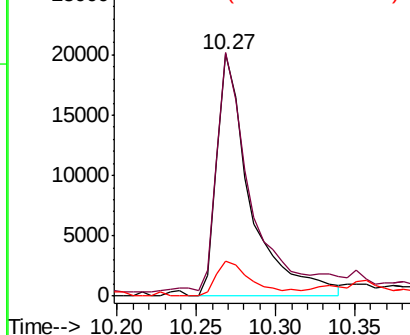
Delta R.T. -0.01 min

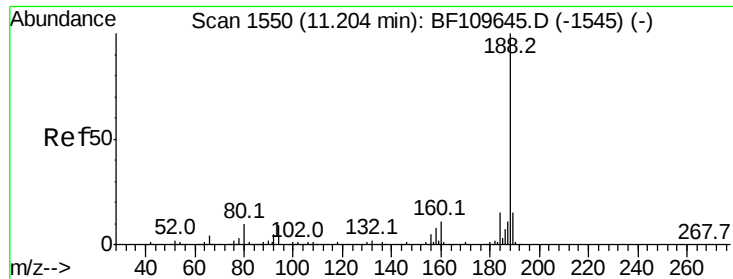
Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Tgt Ion:	166	Resp:	29627
Ion Ratio	Lower	Upper	
166	100		
165	100.7	78.6	117.8
167	14.7	10.8	16.2

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





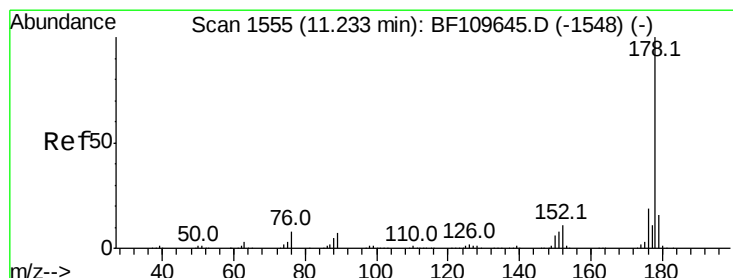
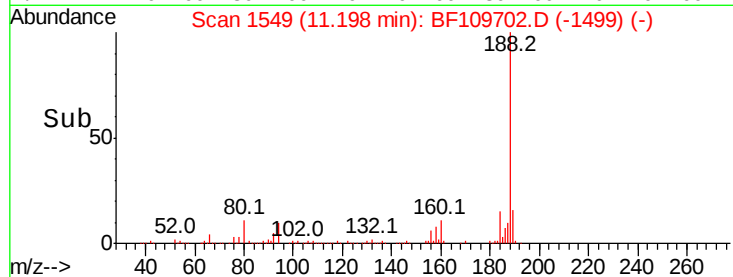
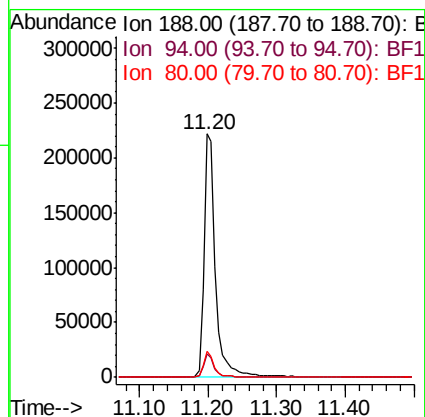
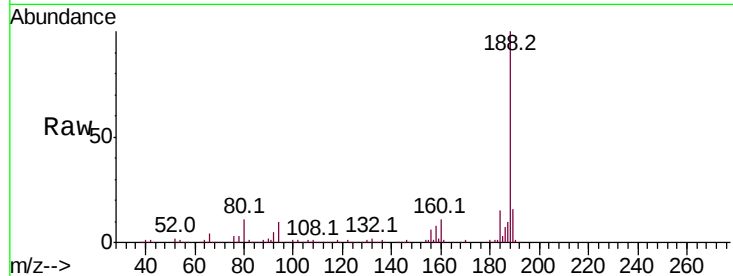
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	264794		
94	9.7		7.2	10.8
80	10.6		7.9	11.9

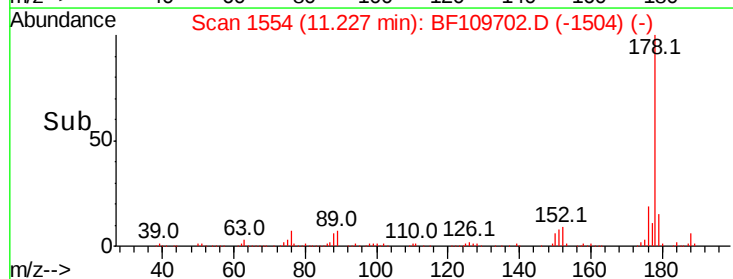
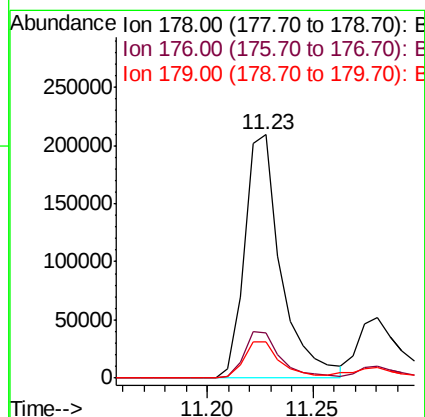
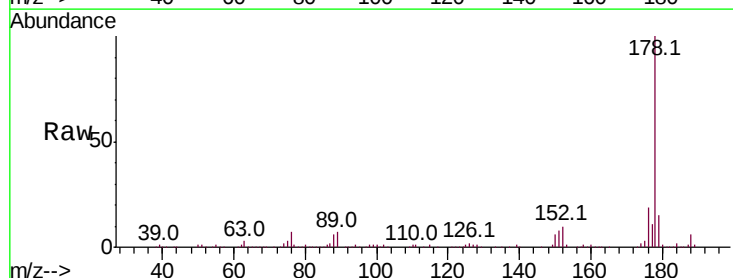
Manual Integrations
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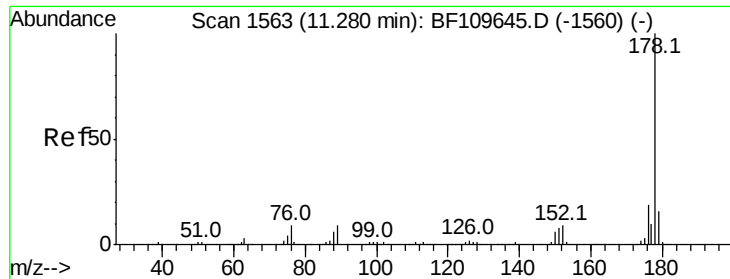
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#70
Phenanthrene
Concen: 18.892 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	250339		
176	18.7		15.5	23.3
179	14.8		12.5	18.7





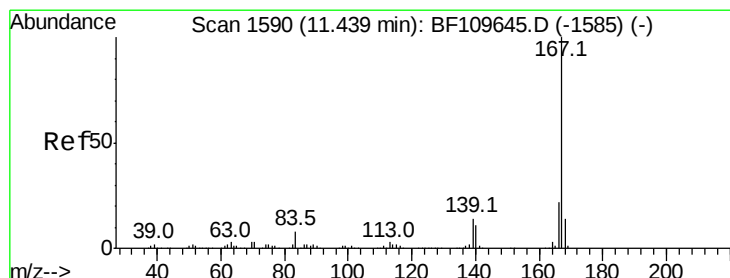
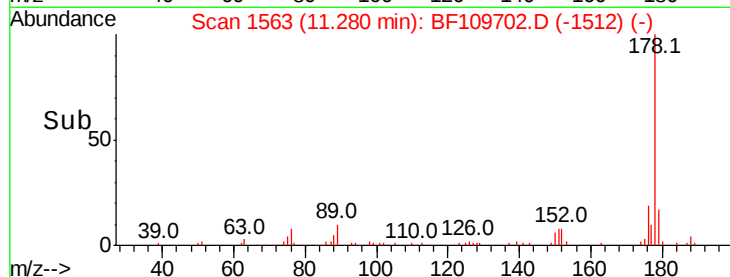
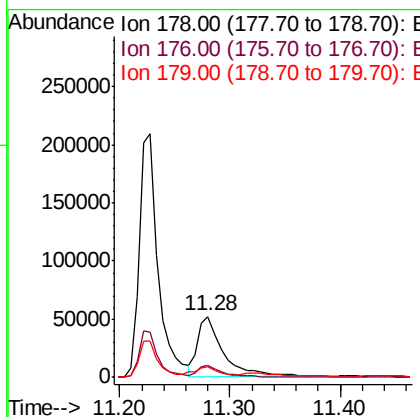
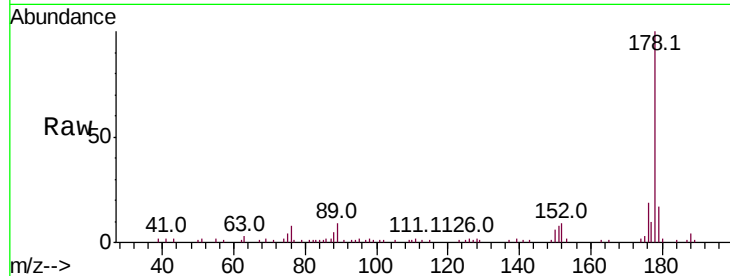
#71
 Anthracene
 Concen: 6.043 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	17.0	12.6	18.8

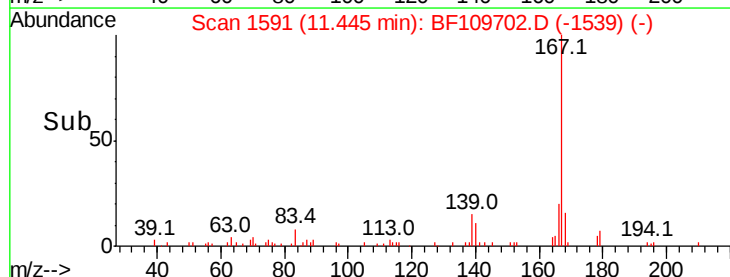
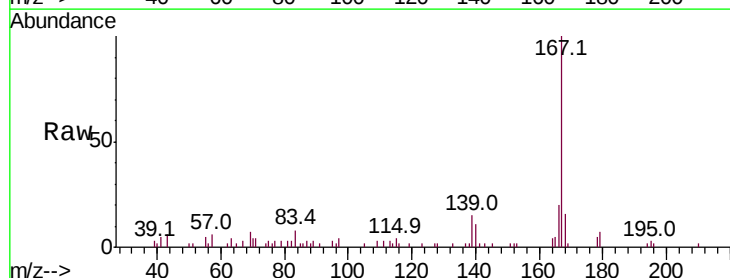
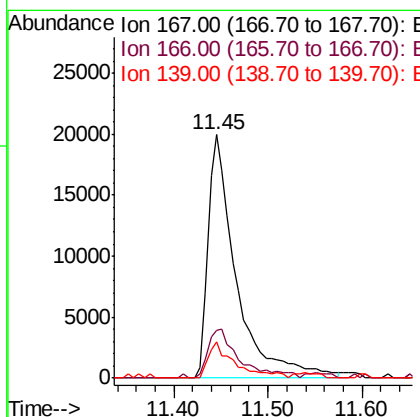
Manual Integrations
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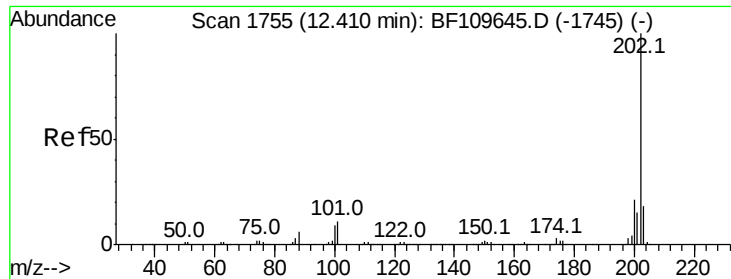
Sohil
 10/10/2018 11:37:08 AM



#72
 Carbazole
 Concen: 3.145 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.4	26.0
139	14.9	10.9	16.3





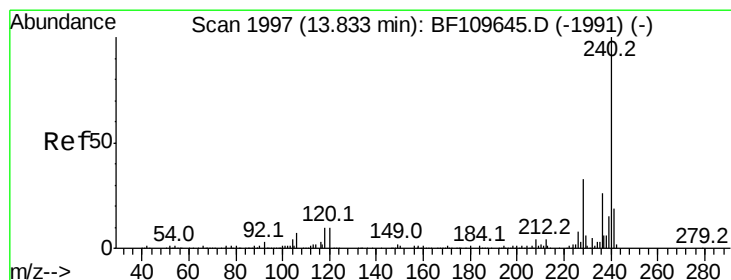
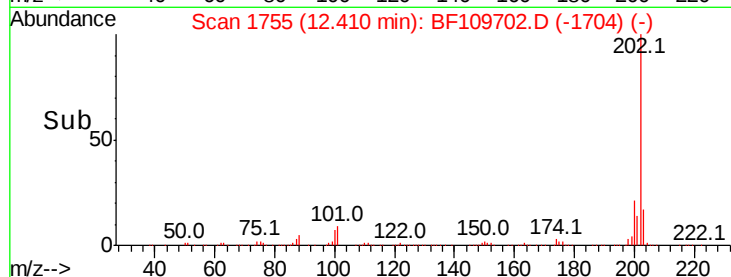
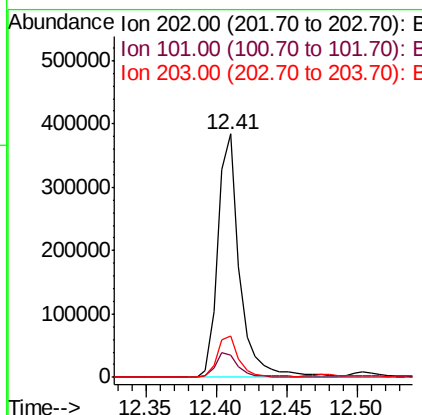
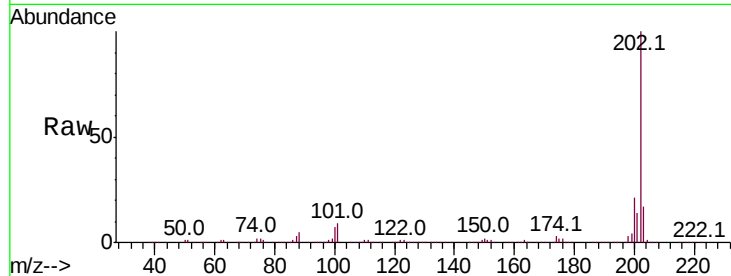
#74
 Fluoranthene
 Concen: 29.912 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	414089		
101	9.2	0.0	31.4	
203	17.0	0.0	37.7	

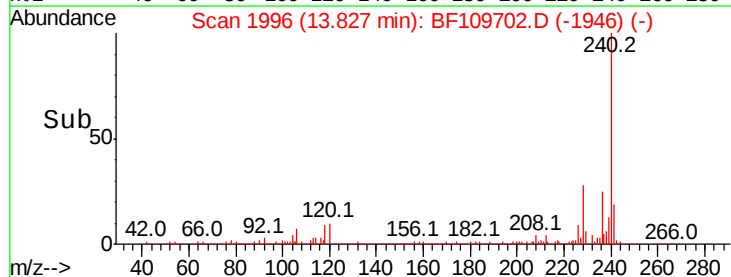
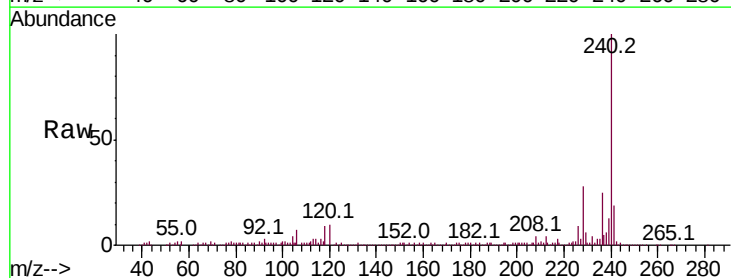
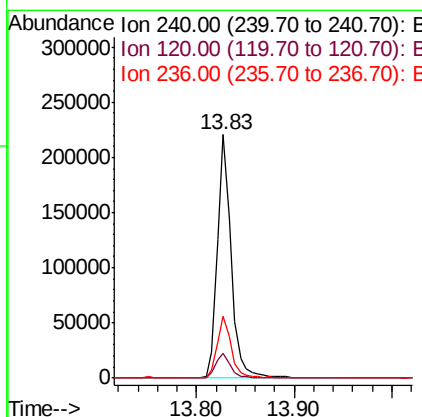
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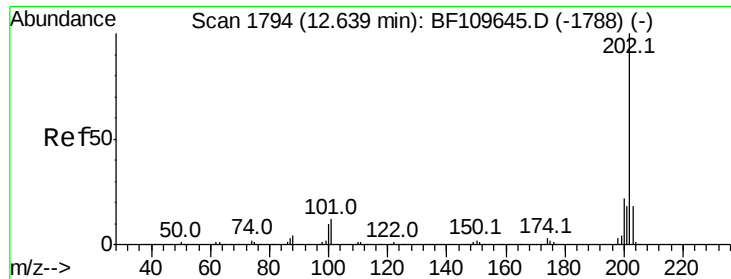
Sohil
 10/10/2018 11:37:08 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	217467		
120	10.3	8.3	12.5	
236	25.2	21.2	31.8	





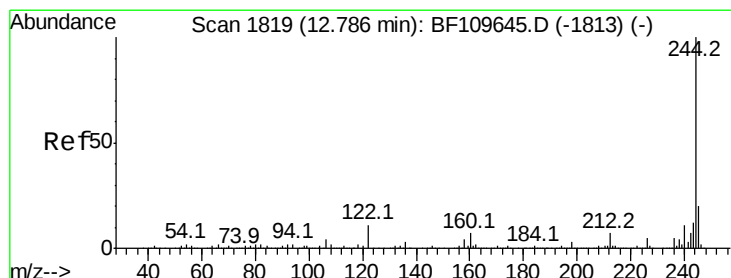
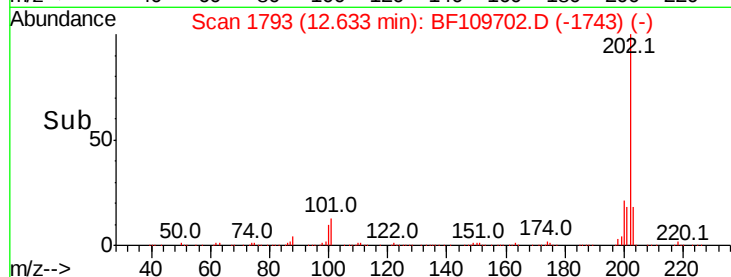
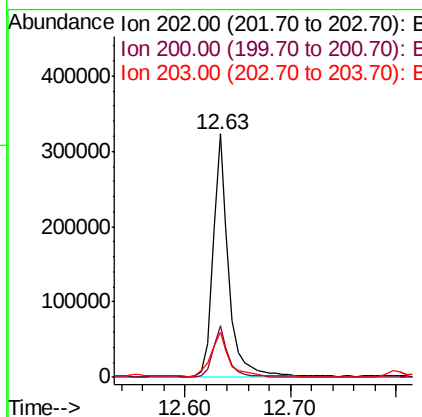
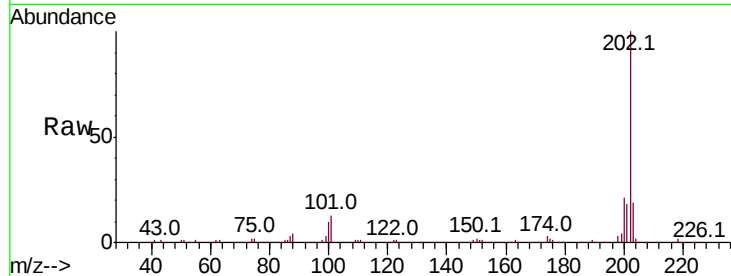
#77
Pvrene
Concen: 20.851 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	18.8	14.2	21.4

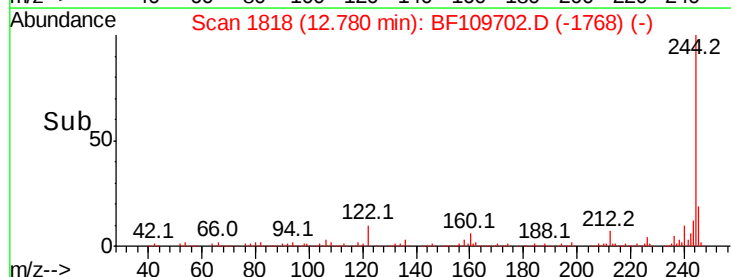
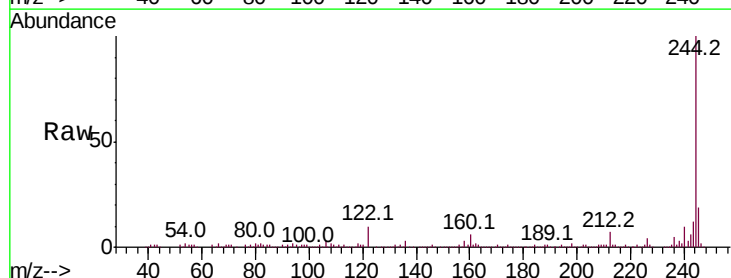
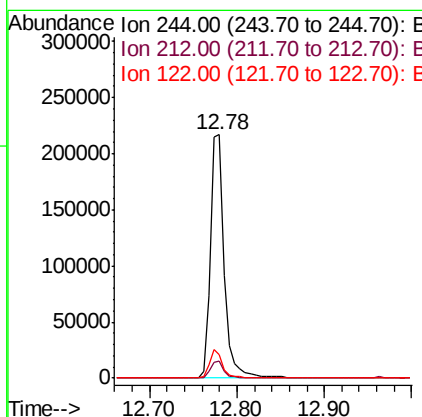
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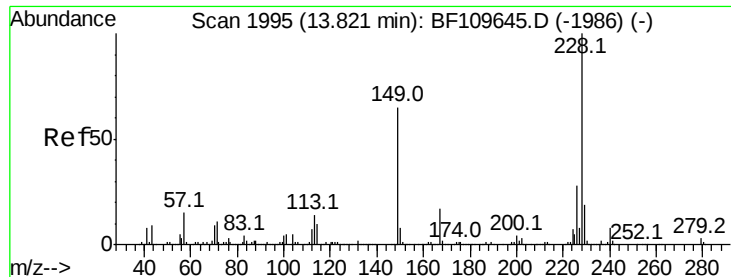
Sohil
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#78
Terphenyl-d14
Concen: 21.338 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	9.6	8.7	13.1





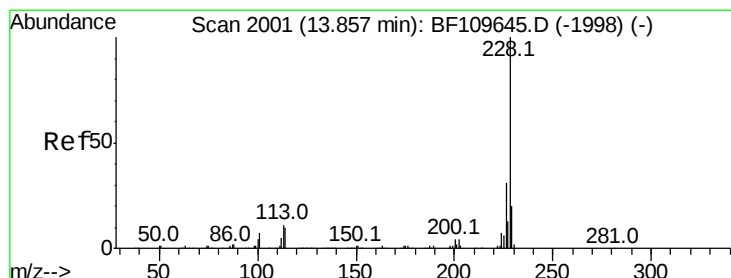
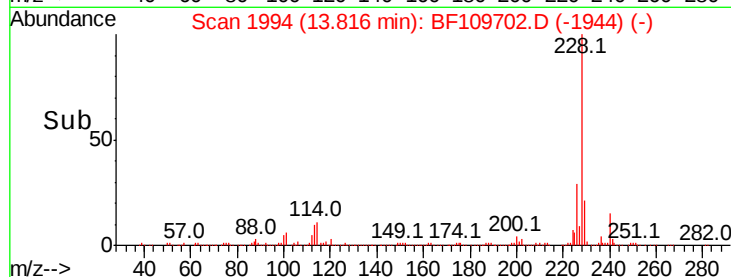
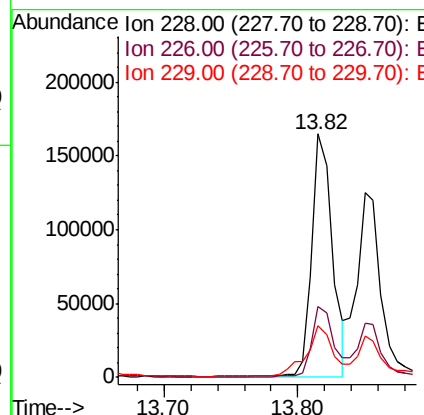
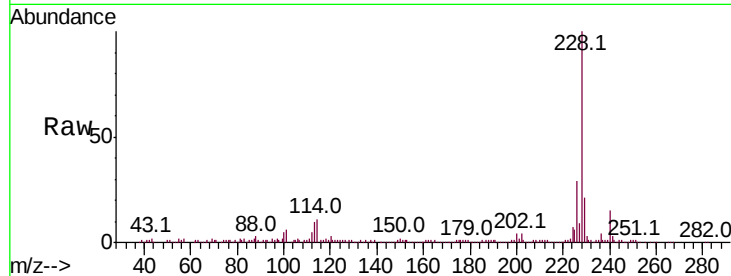
#80
Benzo(a)anthracene
Concen: 14.501 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.0	15.6	23.4

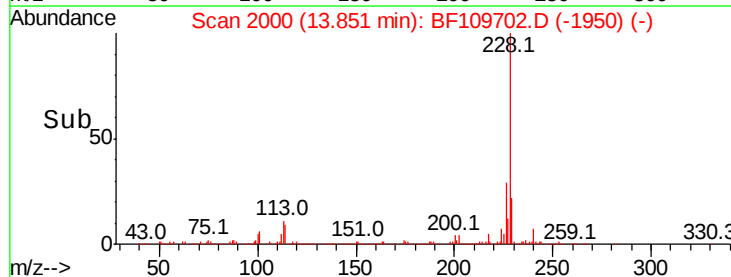
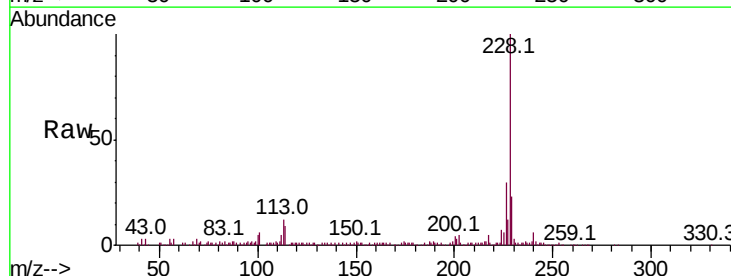
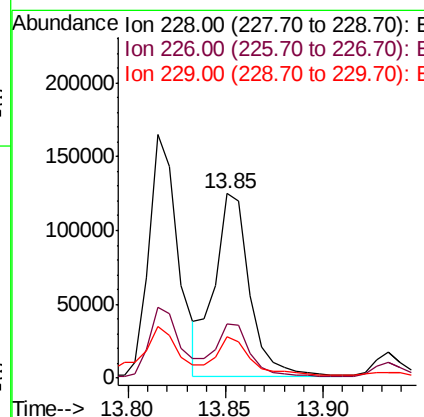
Manual Integrations
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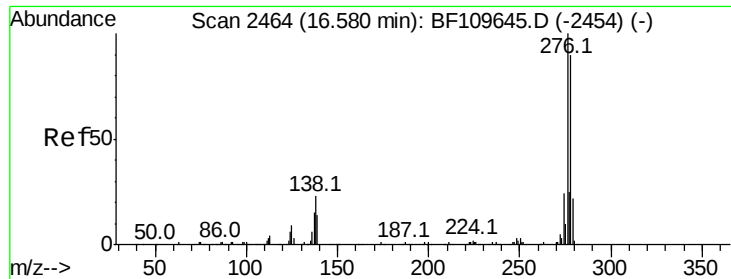
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#82
Chrysene
Concen: 12.502 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.7	37.1
229	22.6	15.9	23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.361 ng/ml

RT: 16.57 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

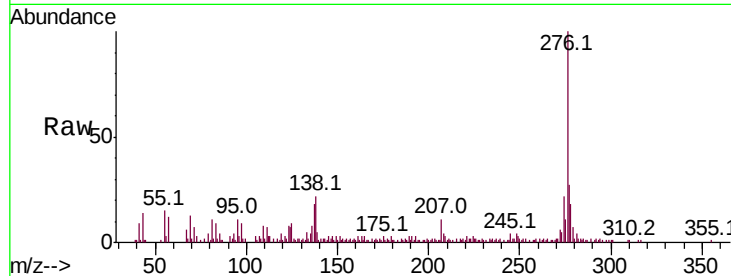
Instrument :
BNA_F

ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.0	18.5	27.7#
277	4.2	20.0	30.0#

Manual Integrations
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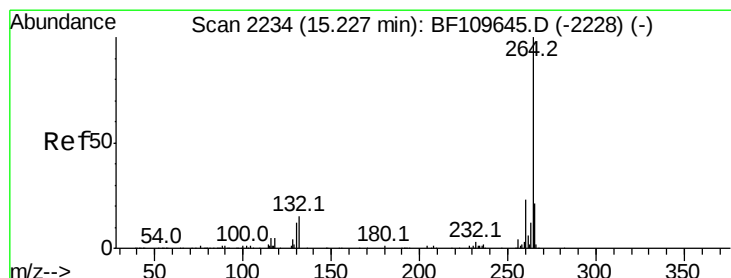
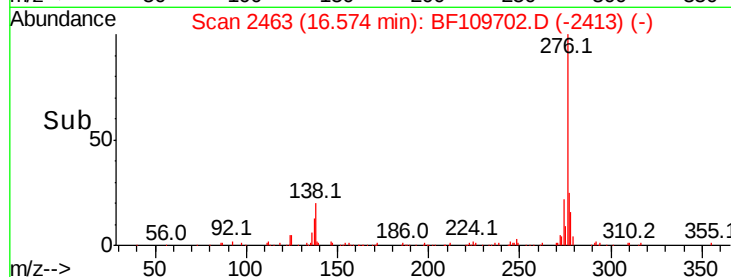
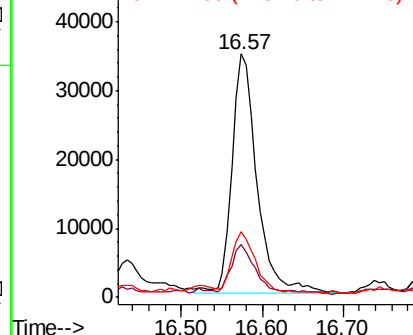


Abundance

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: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

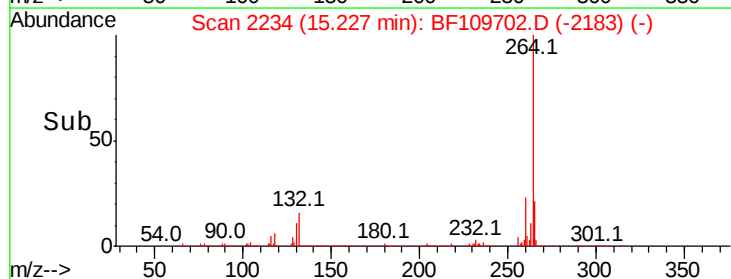
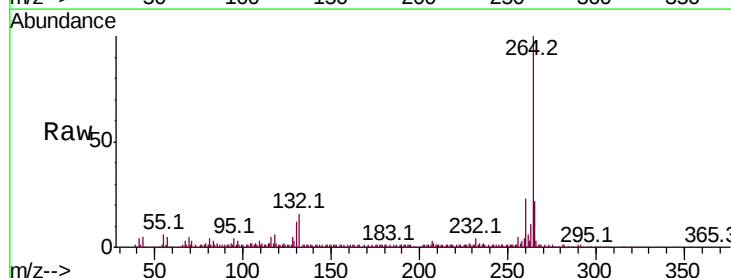
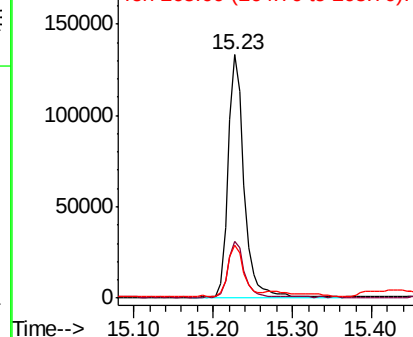
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.7	16.7	25.1

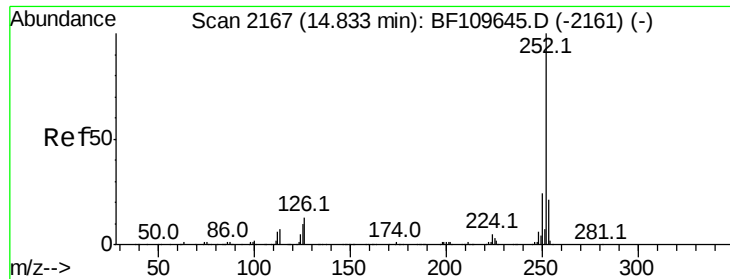
Abundance

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: 17.191 ng m

RT: 14.83 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

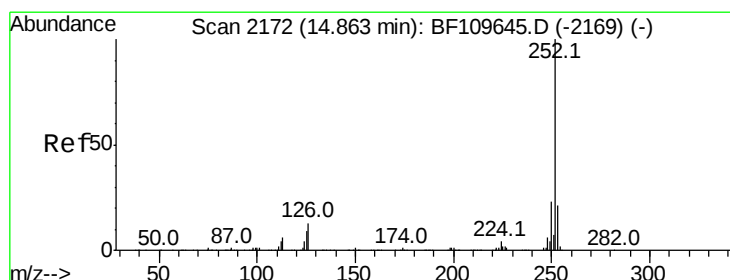
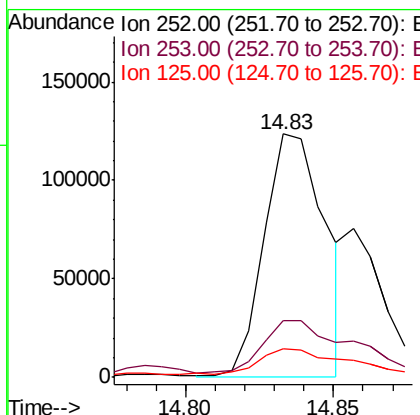
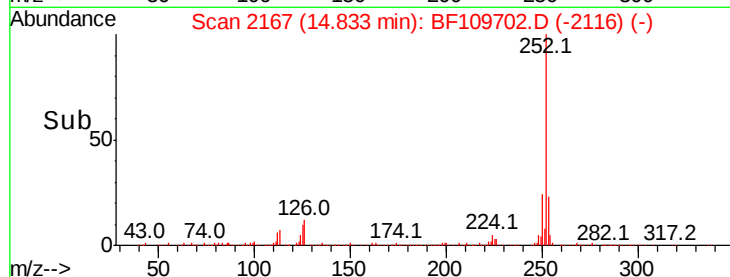
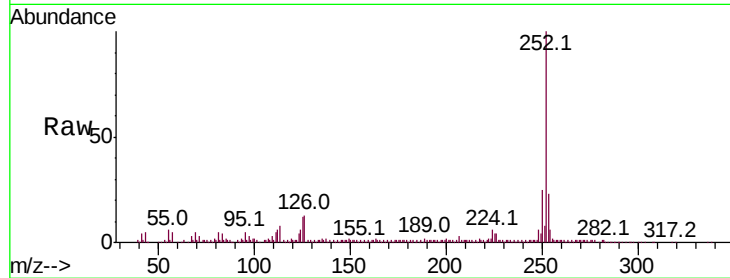
ClientSampleId :

EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.6	8.2	12.4

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#88

Benzo(k)fluoranthene

Concen: 7.131 ng m

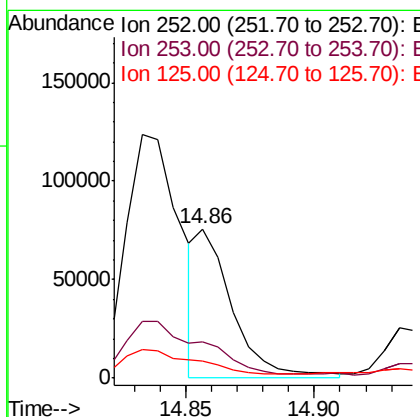
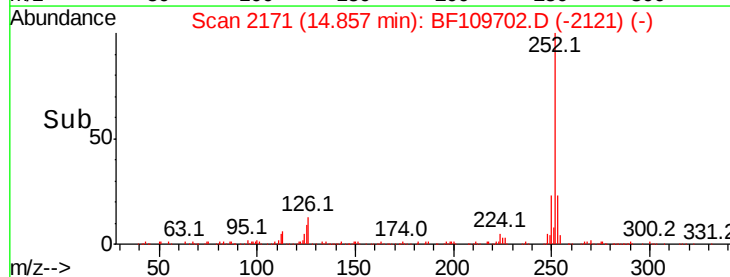
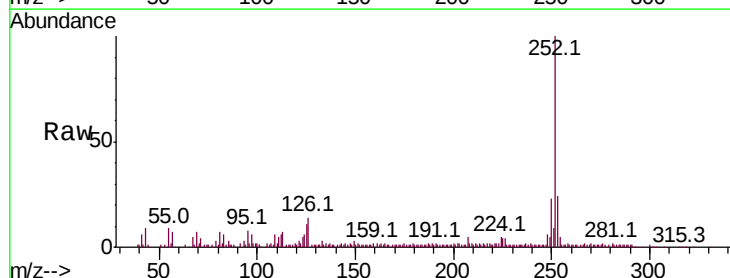
RT: 14.86 min Scan# 2171

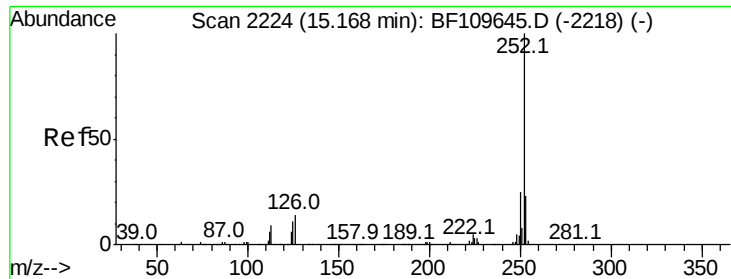
Delta R.T. -0.01 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	11.5	7.4	11.0#





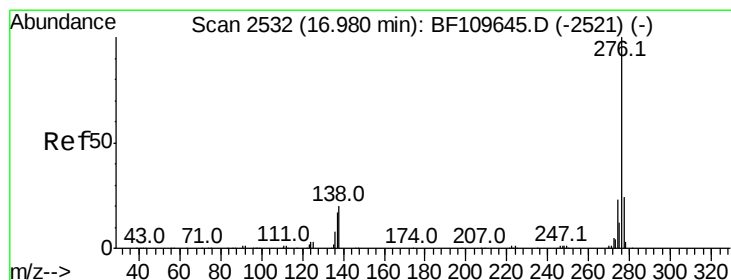
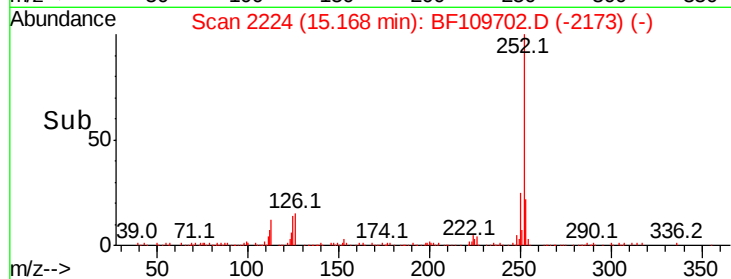
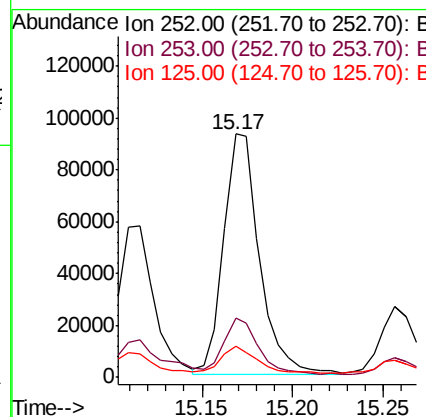
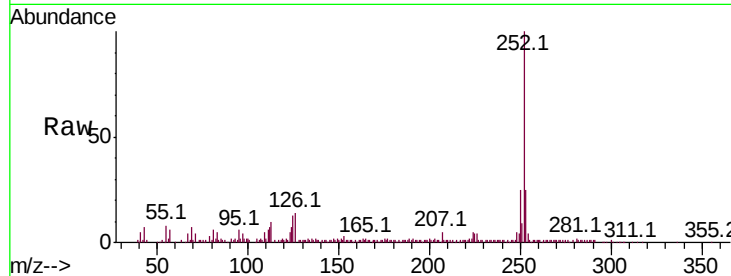
#89
Benzo(a)pyrene
Concen: 13.618 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.4
125	13.1	9.0	13.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.369 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	20.4	16.0	24.0

