

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107822.D
 Acq On : 31 Jul 2018 1:14
 Operator : JU/SJ
 Sample : J4143-10 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(9-11)

Manual Integrations
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 7/31/2018 2:42:59 PM

Quant Time: Jul 31 04:36:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	175645	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	753857	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	288166	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	524766	20.00	ng	0.00
75) Chrysene-d12	14.16	240	443390	20.00	ng	0.00
86) Perylene-d12	15.70	264	314932	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	410473	39.72	ng	0.00
7) Phenol-d6	6.60	99	600968	44.12	ng	0.00
23) Nitrobenzene-d5	7.52	82	348125	26.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	136375	34.83	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	584085	28.24	ng	0.00
78) Terphenyl-d14	13.09	244	515075	25.19	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	56657	2.618	ng	99
70) Phenanthrene	11.52	178	165143	6.628	ng	98
71) Anthracene	11.58	178	61846	2.152	ng	97
74) Fluoranthene	12.72	202	344180	11.758	ng	99
77) Pyrene	12.96	202	326734	10.234	ng	95
80) Benzo(a)anthracene	14.15	228	194882	7.759	ng	# 92
82) Chrysene	14.18	228	179179	6.614	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.28	276	68402	3.320	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	160848m	10.356	ng	
88) Benzo(k)fluoranthene	15.27	252	88492m	4.640	ng	
89) Benzo(a)pyrene	15.63	252	116945	7.293	ng	# 80
91) Benzo(a,h,i)perylene	17.77	276	74812	5.528	ng	# 88

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

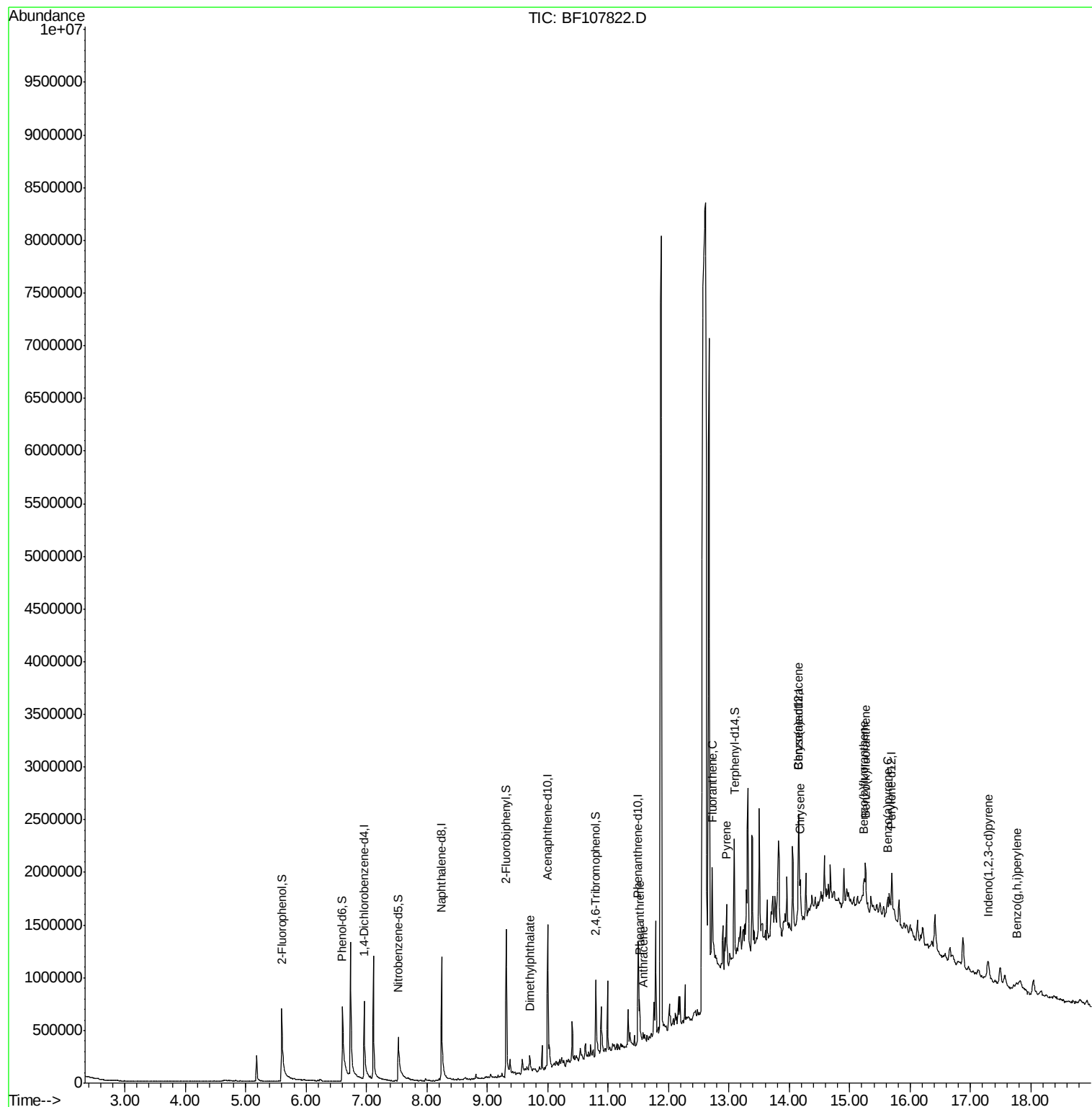
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107822.D
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Operator : JU/SJ
Sample : J4143-10 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

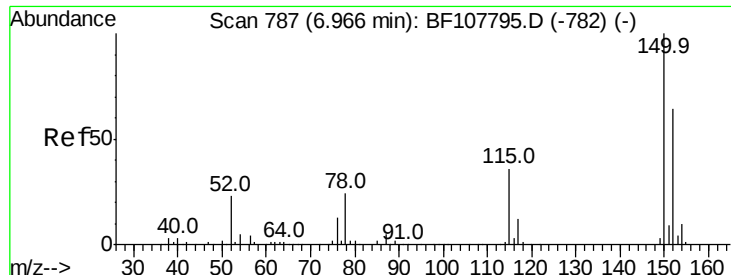
Instrument :
BNA_F
ClientSampleId :
SB-3(9-11)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
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#1

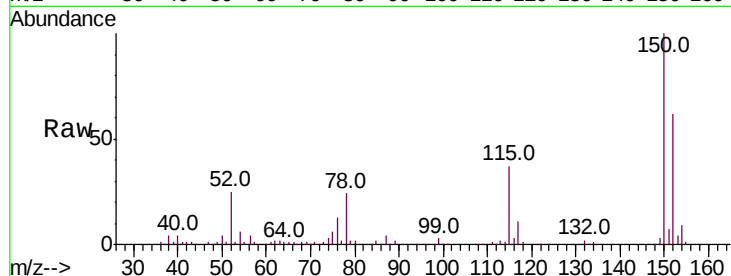
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampled :
SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	60.2	50.1	75.1

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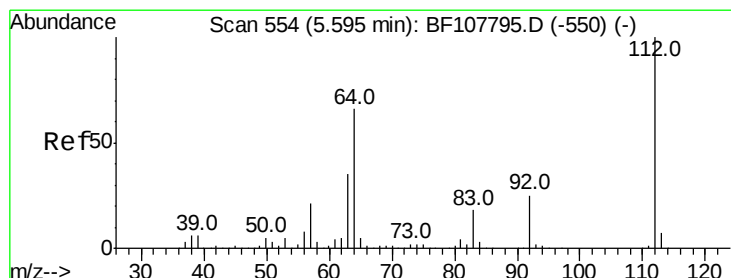
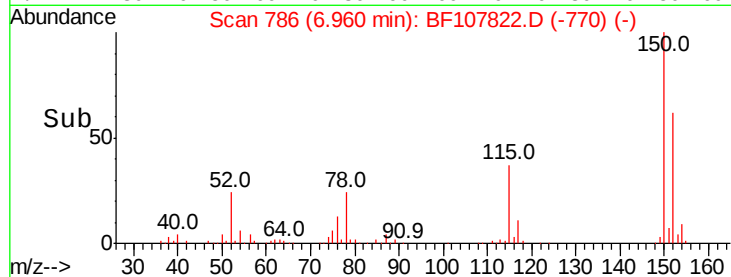
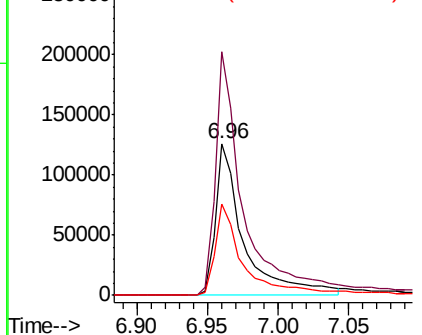


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

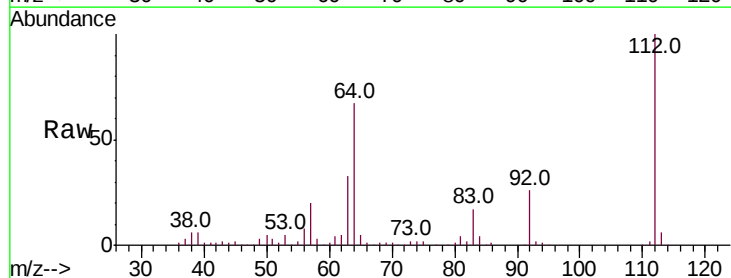
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.717 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.0	23.7	35.5

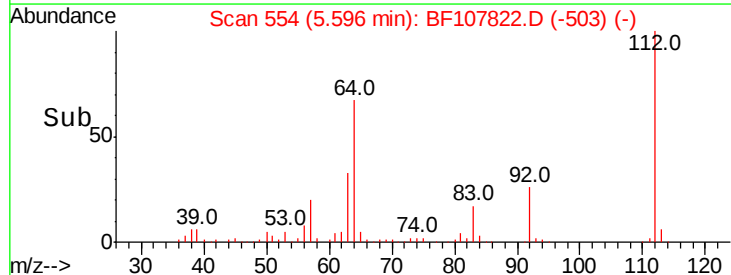
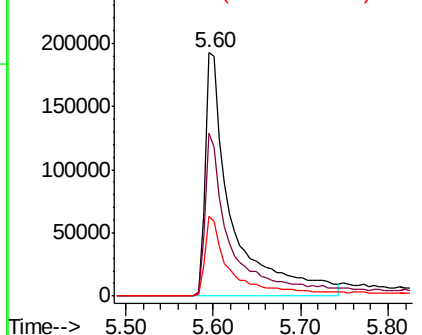


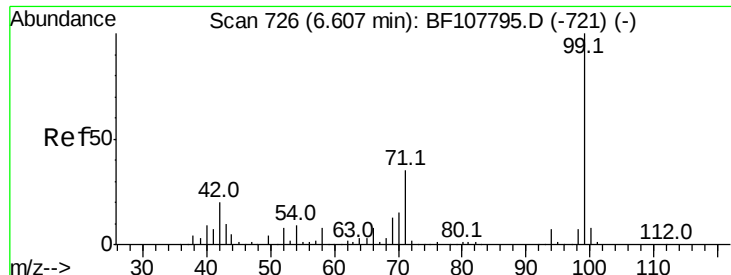
Abundance

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: 44.122 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :

BNA_F

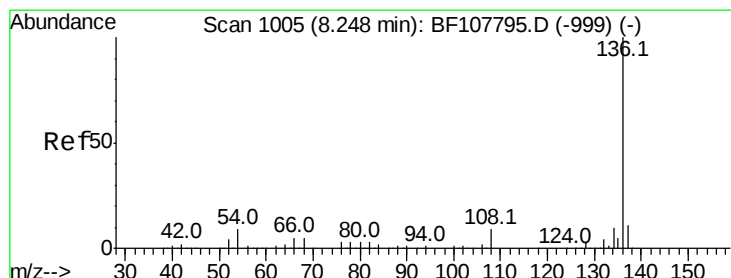
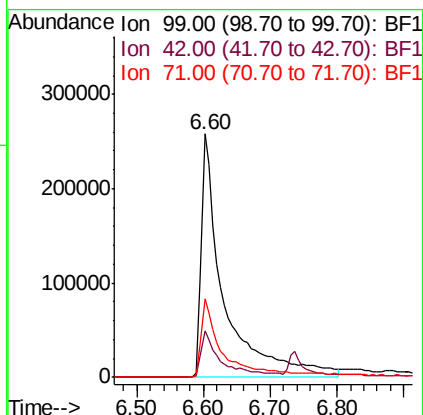
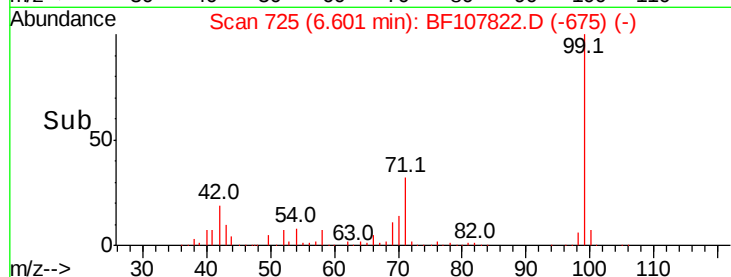
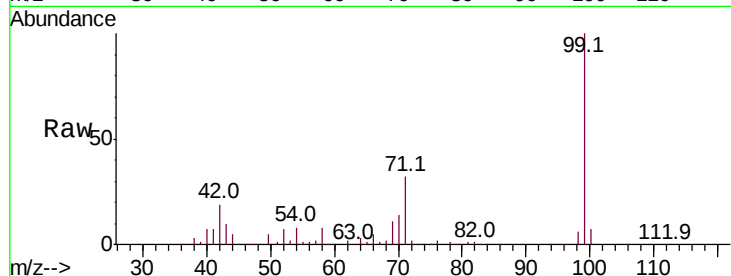
ClientSampleId :

SB-3(9-11)

Tot Ion:	99	Resp:	600968
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.5	21.7
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

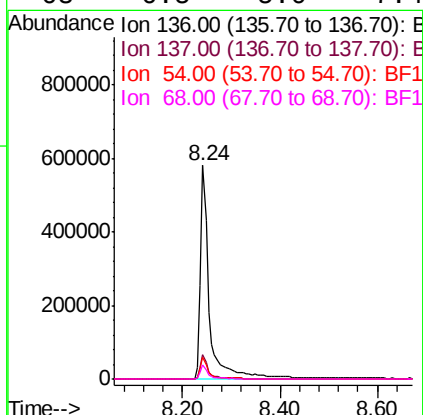
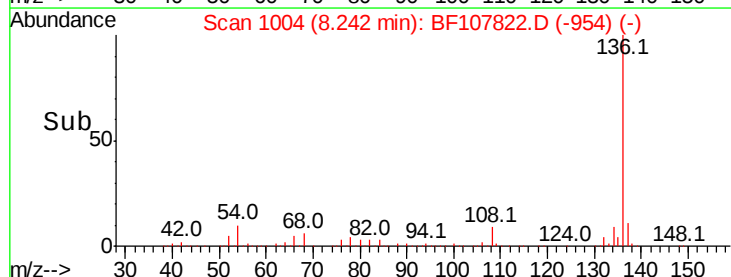
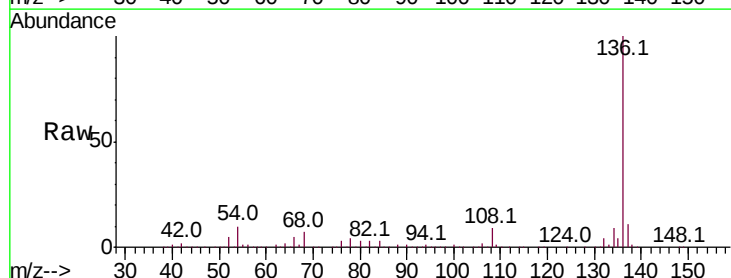
RT: 8.24 min Scan# 1004

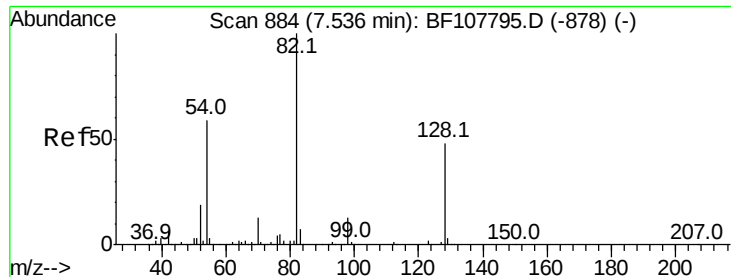
Delta R.T. -0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Tgt Ion:	136	Resp:	753857
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.9	6.6	9.8
68	6.5	5.0	7.4





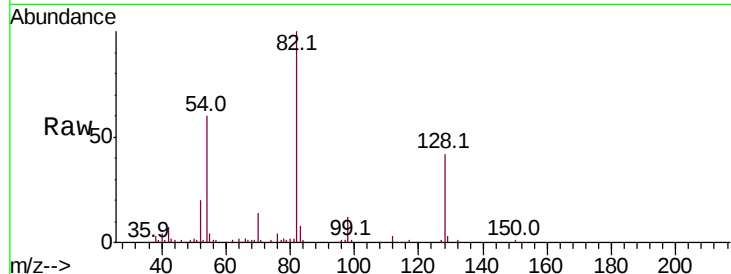
#23
 Nitrobenzene-d5
 Concen: 26.604 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	60.4	41.4	62.2

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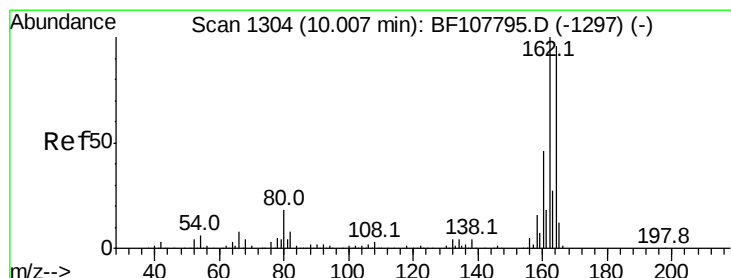
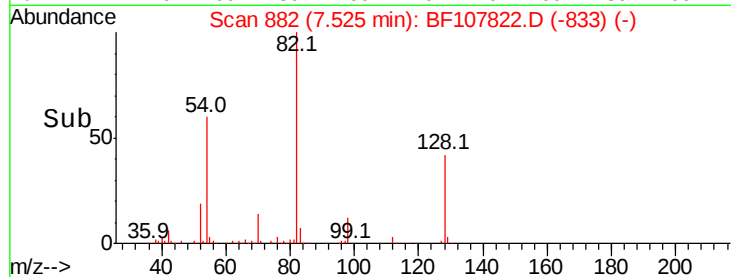
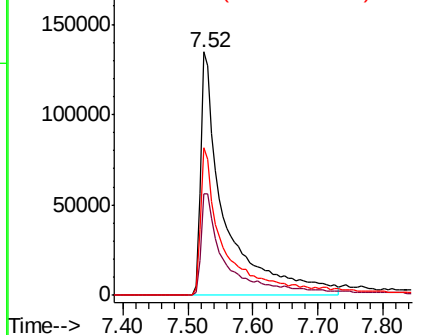


Abundance

Ion 82.00 (81.70 to 82.70): BF1

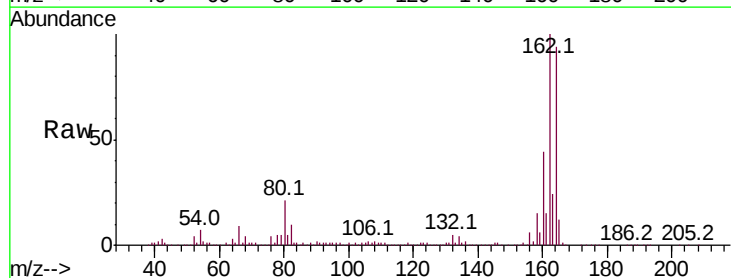
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	86.1	129.1
160	47.0	38.3	57.5

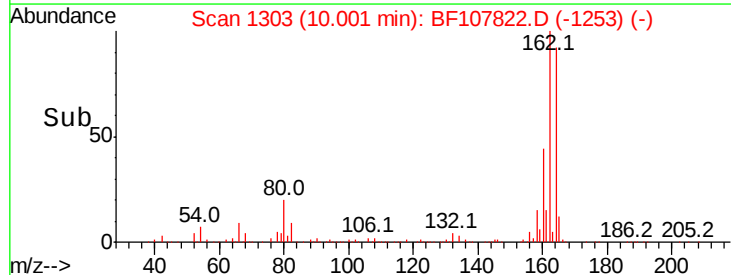
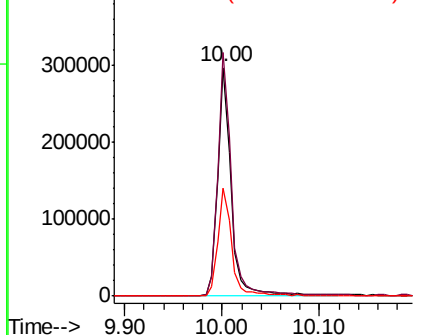


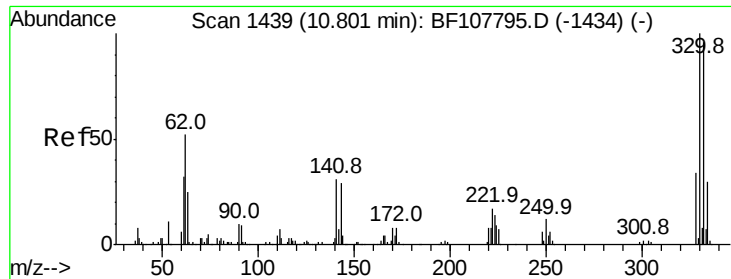
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





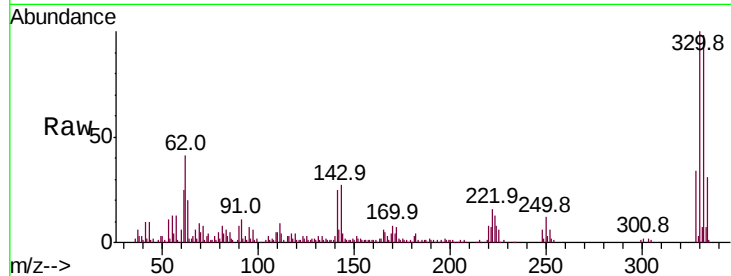
#41
 2,4,6-Tribromophenol
 Concen: 34.829 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	27.9	29.9	44.9#

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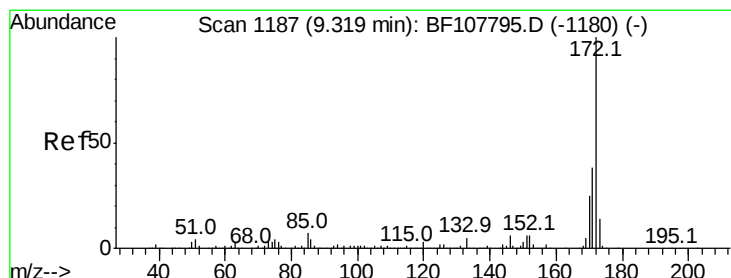
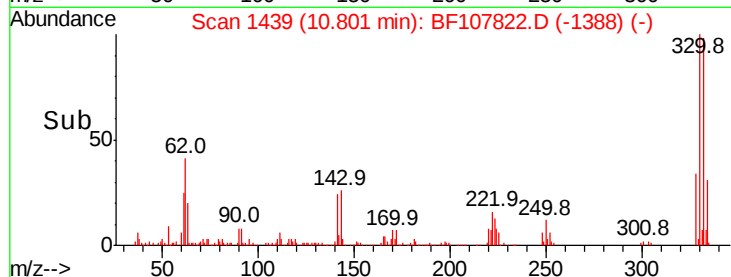
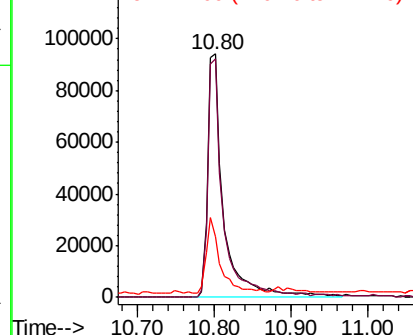


Abundance

Ion 329.80 (329.50 to 330.50): E

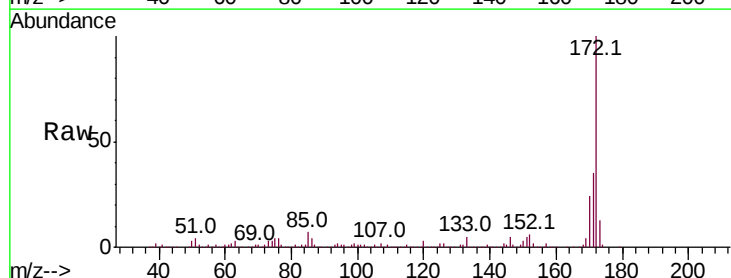
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 28.245 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107822.D
 Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.7	19.6	29.4

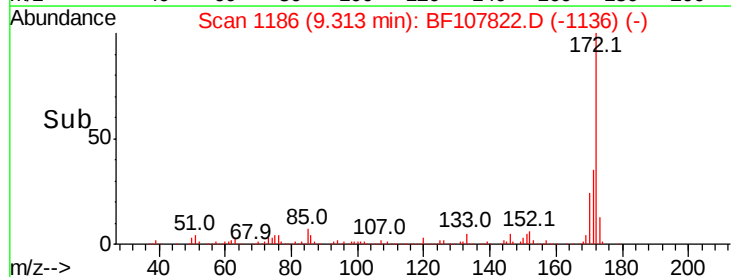
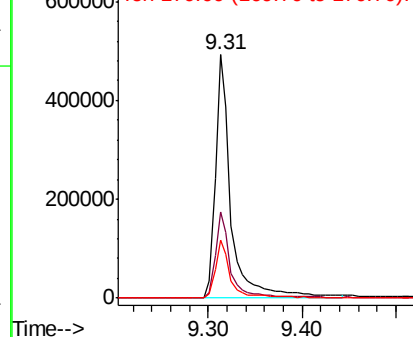


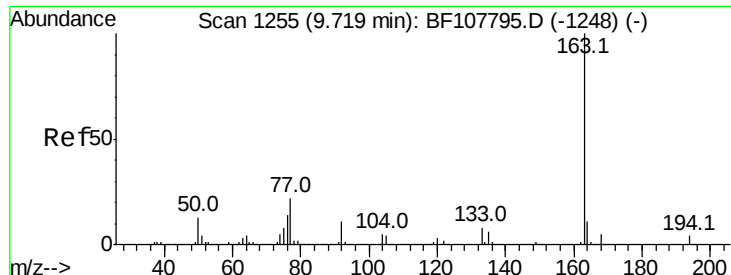
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





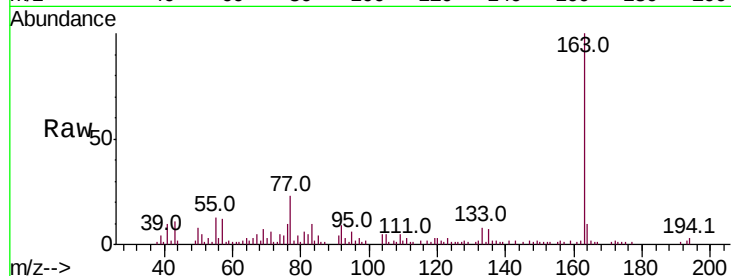
#49
Dimethylphthalate
Concen: 2.618 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :
SB-3(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	9.9	8.2	12.2	

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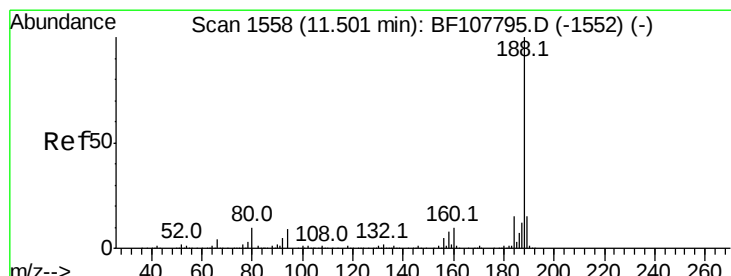
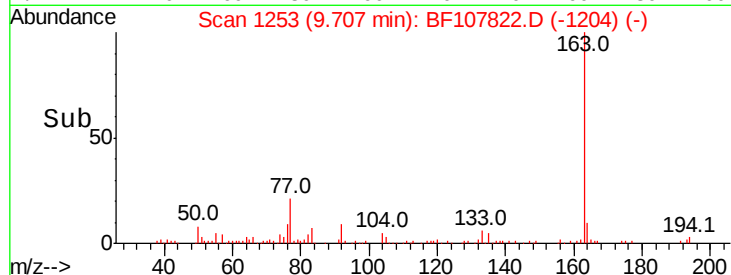
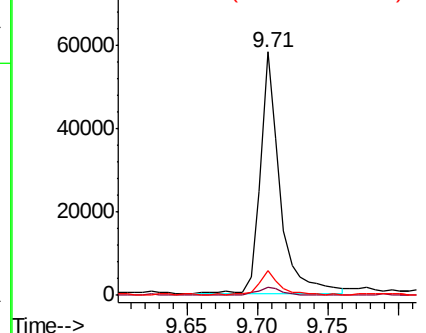


Abundance

Ion 163.00 (162.70 to 163.70): E

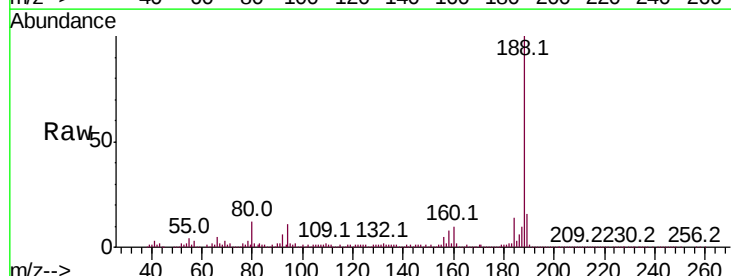
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.2	8.5	12.7	
80	11.8	9.2	13.8	

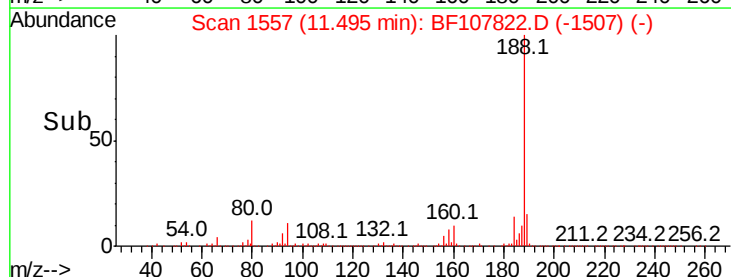
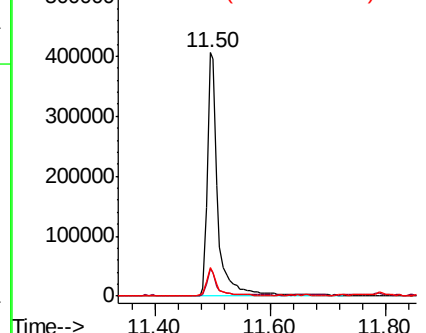


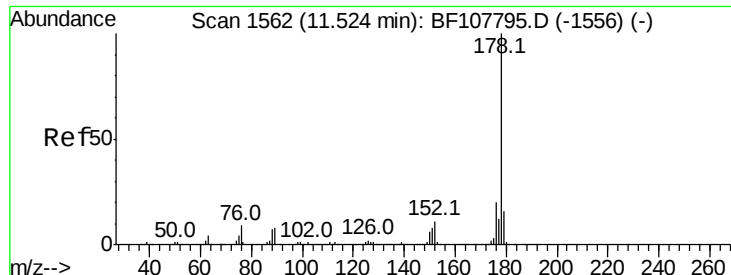
Abundance

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





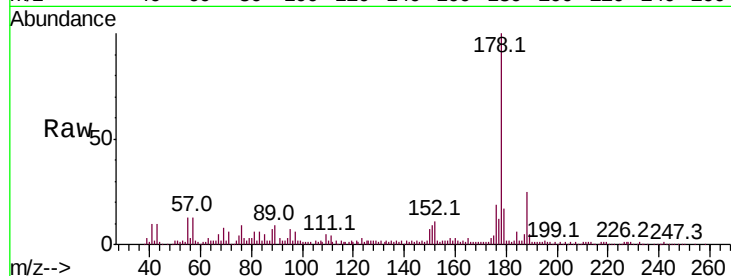
#70
Phenanthrene
Concen: 6.628 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampled :
SB-3(9-11)

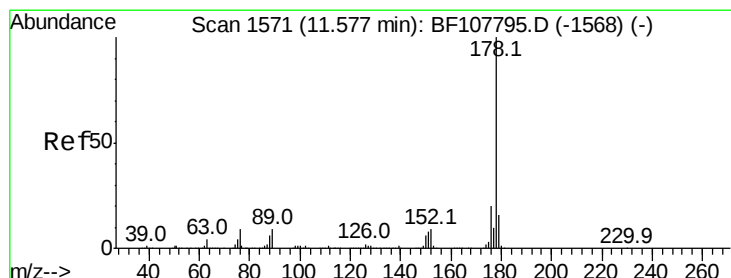
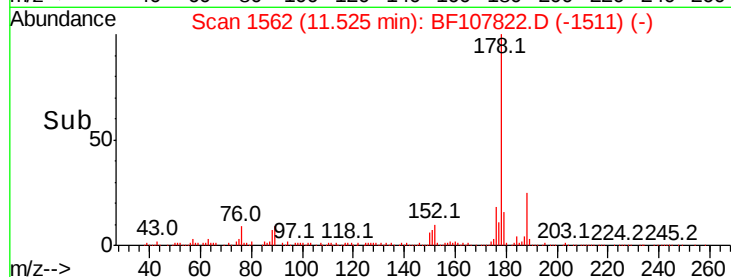
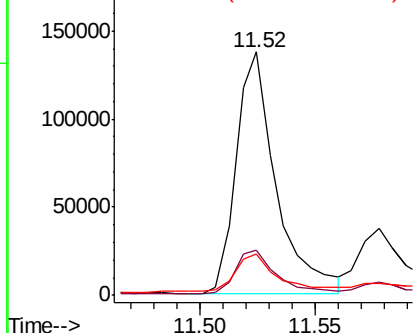
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.8	13.0	19.6

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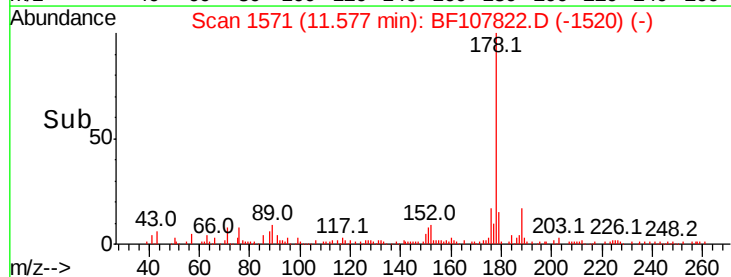
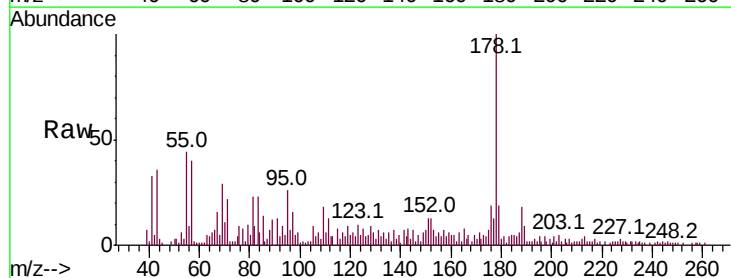
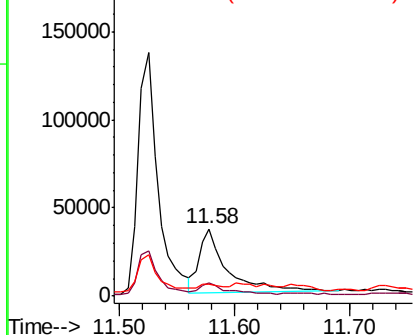
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

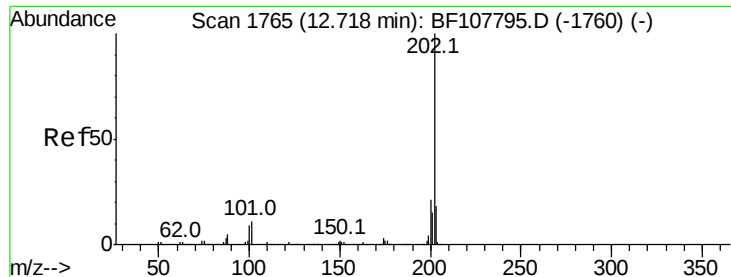


#71
Anthracene
Concen: 2.152 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	18.5	12.6	19.0

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: 11.758 ng

RT: 12.72 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :

BNA_F

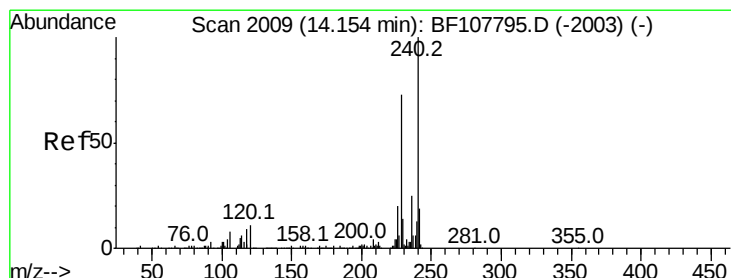
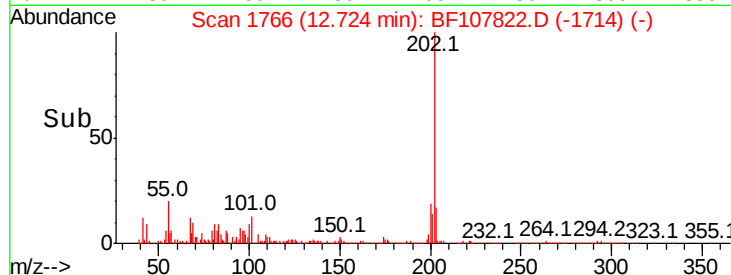
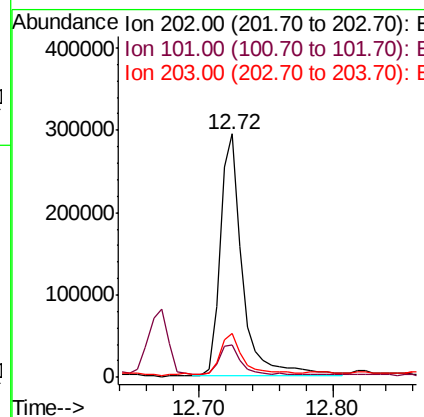
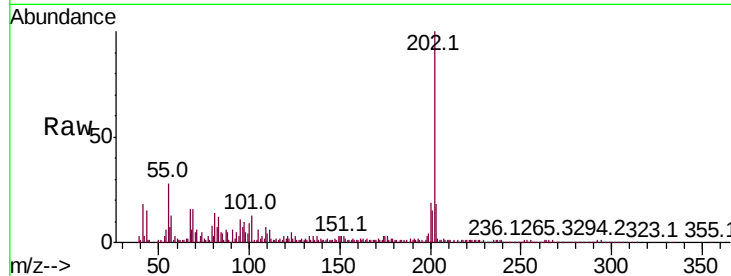
ClientSampleId :

SB-3(9-11)

Tot Ion:	202	Resp:	344180
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

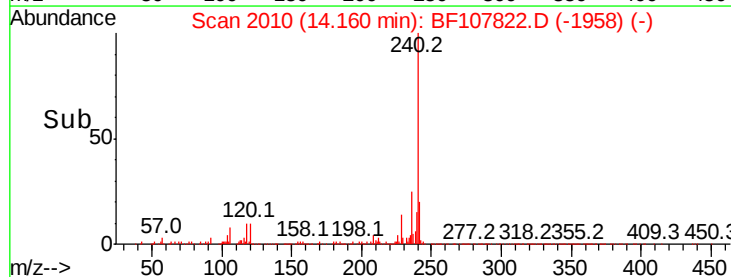
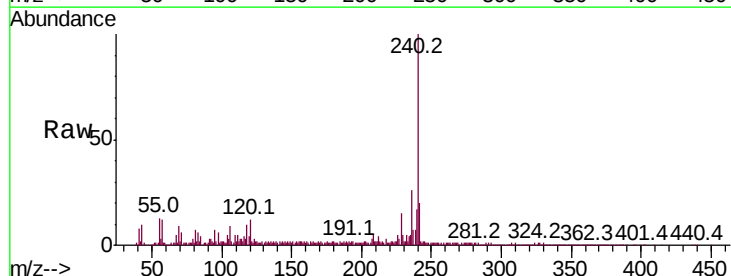
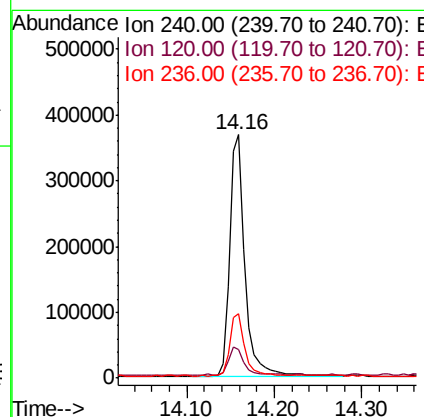
RT: 14.16 min Scan# 2010

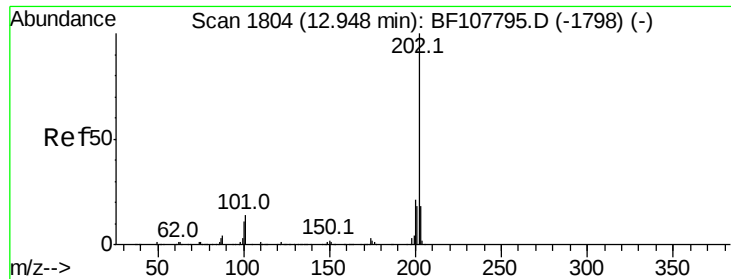
Delta R.T. 0.01 min

Lab File: BF107822.D

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Tgt Ion:	240	Resp:	443390
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.5	14.3
236	26.3	20.7	31.1





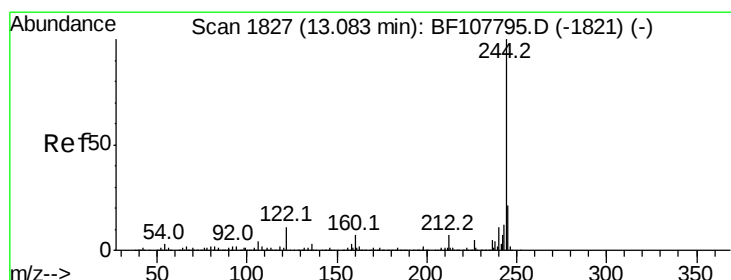
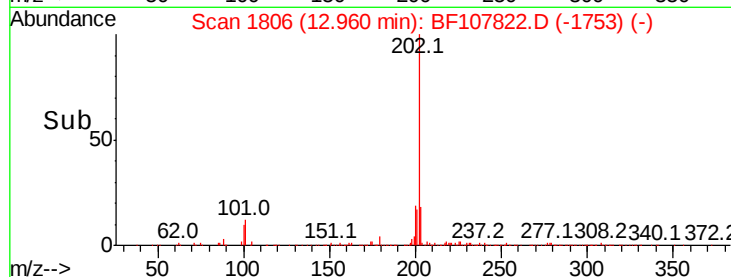
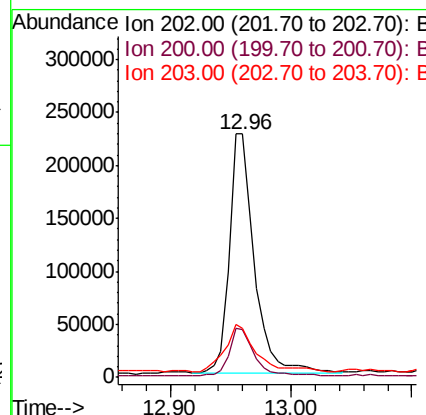
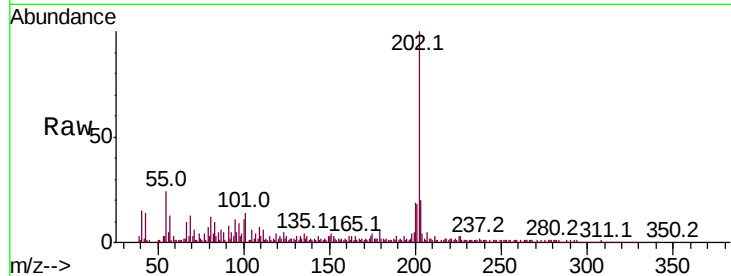
#77
Pvrene
Concen: 10.234 ng
RT: 12.96 min Scan# 1806
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :
SB-3(9-11)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.4	17.4	26.2
203	20.2	14.3	21.5

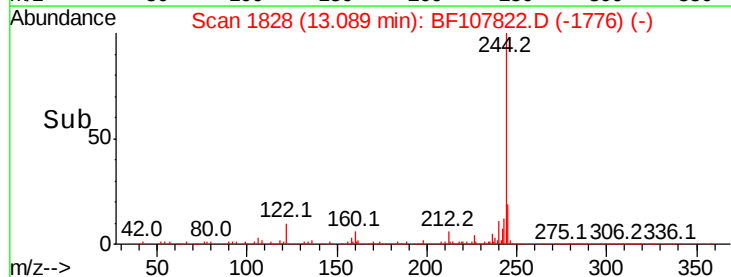
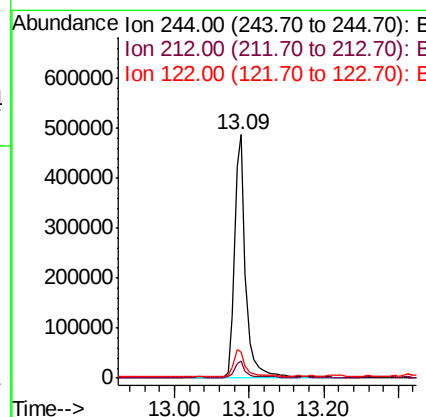
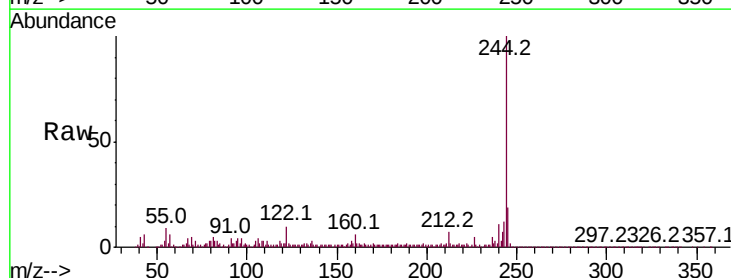
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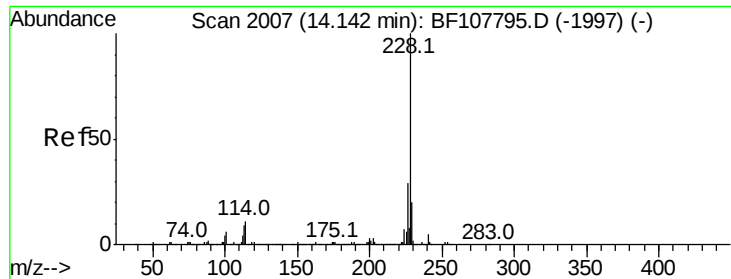
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#78
Terphenyl-d14
Concen: 25.190 ng
RT: 13.09 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.4	11.0	16.4#





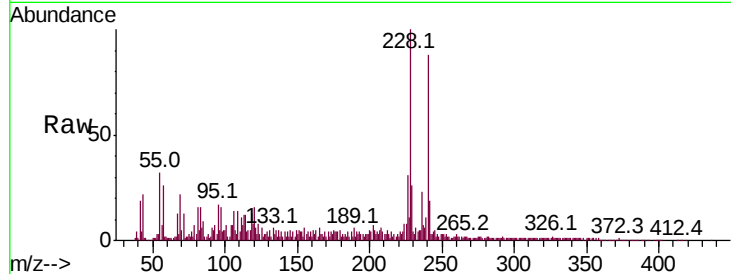
#80
Benzo(a)anthracene
Concen: 7.759 ng
RT: 14.15 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :
SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	25.9	15.8	23.6

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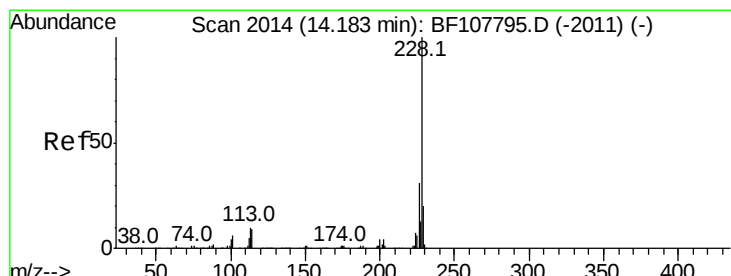
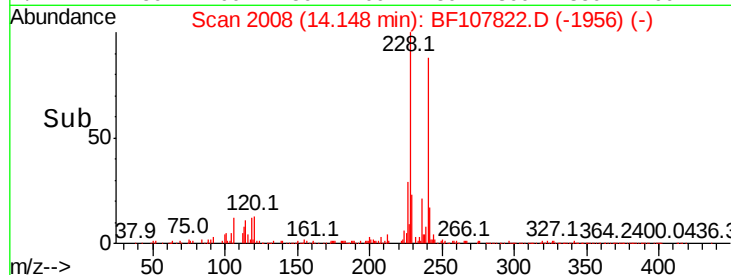
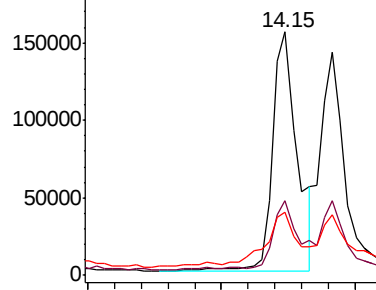


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 6.614 ng
RT: 14.18 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

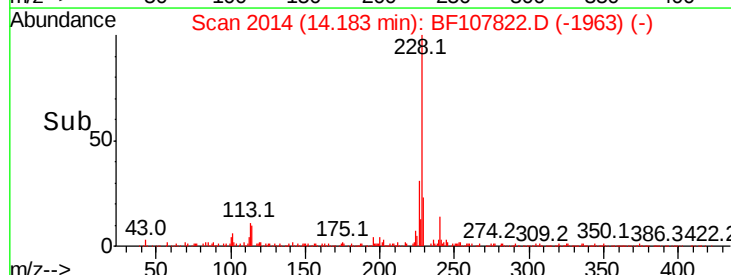
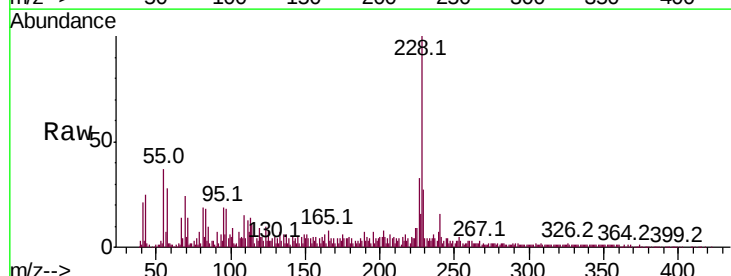
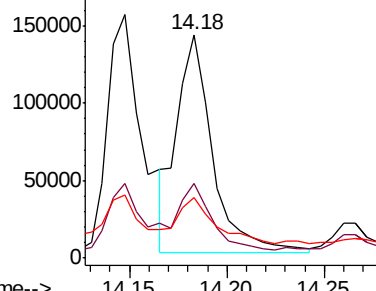
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	25.0	37.6
229	27.0	16.2	24.4

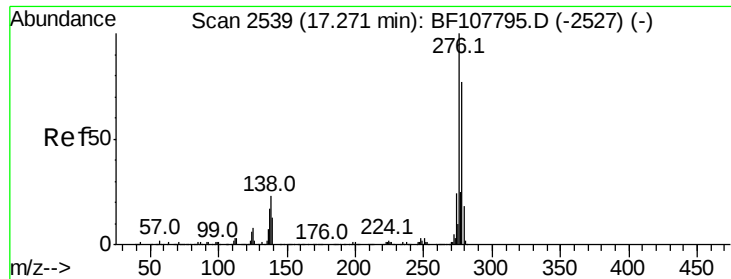
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





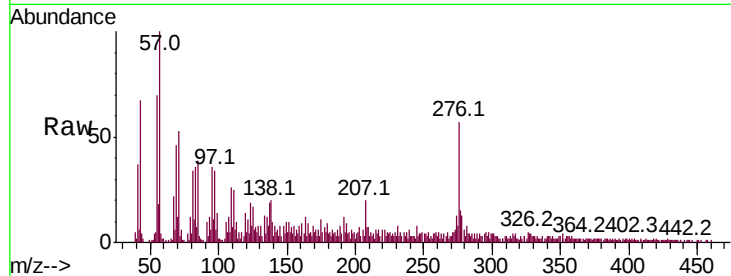
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.320 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampleId :
SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	24.7	20.1	30.1

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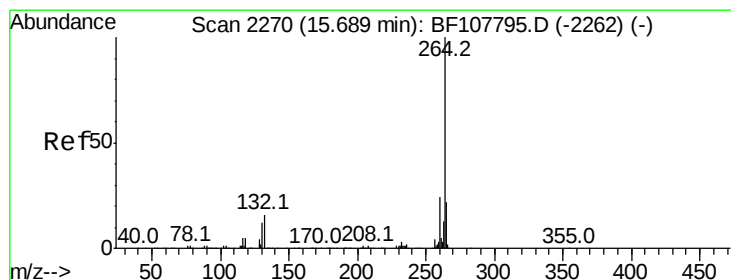
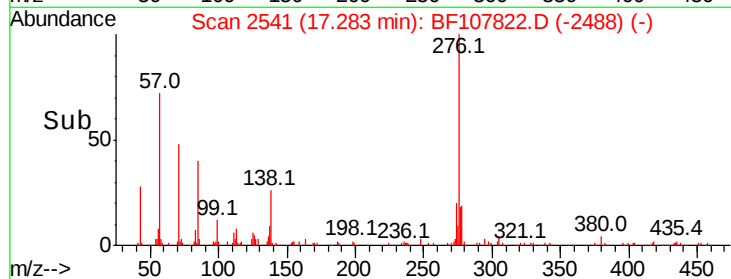
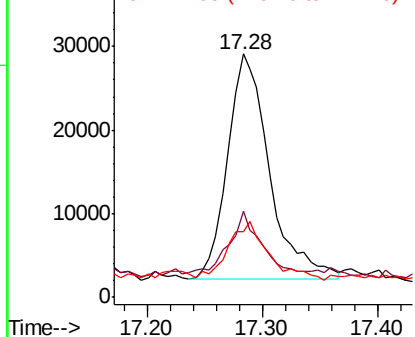


Abundance

Ion 276.00 (275.70 to 276.70): E

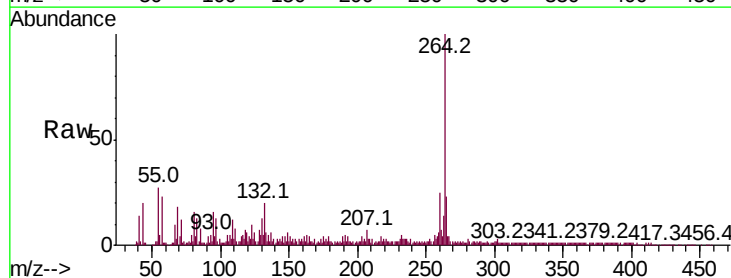
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	23.4	17.5	26.3

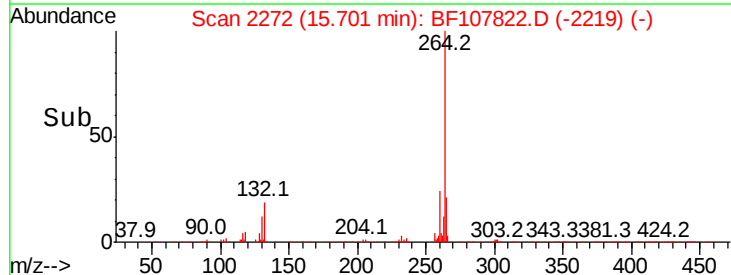
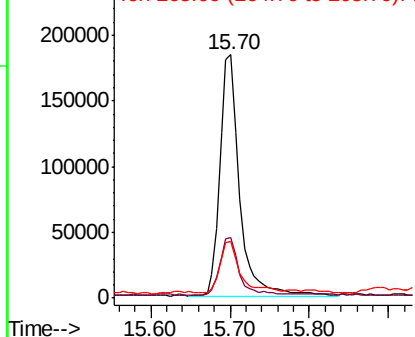


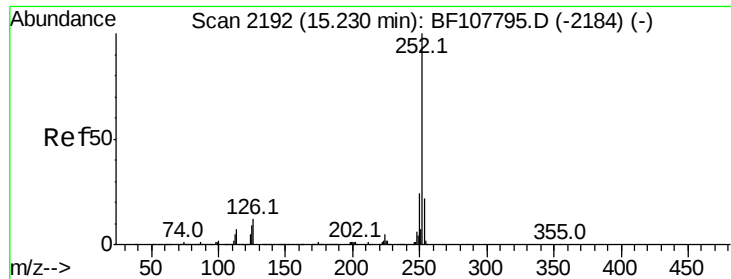
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.356 ng m

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Instrument :

BNA_F

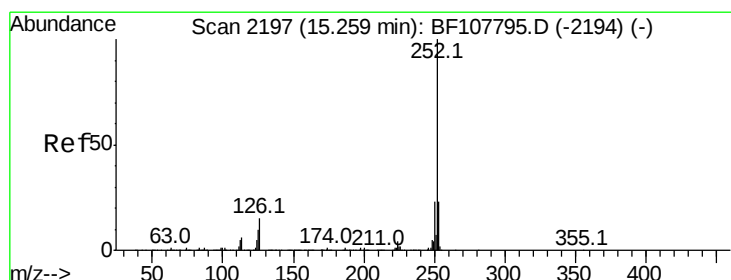
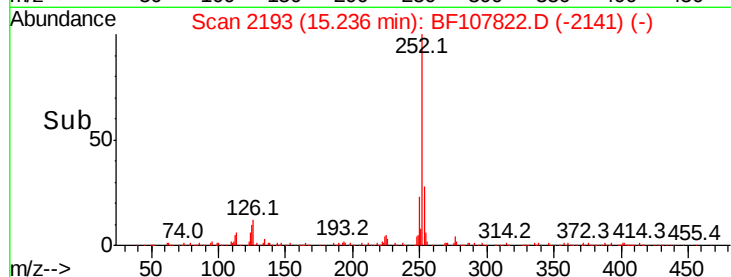
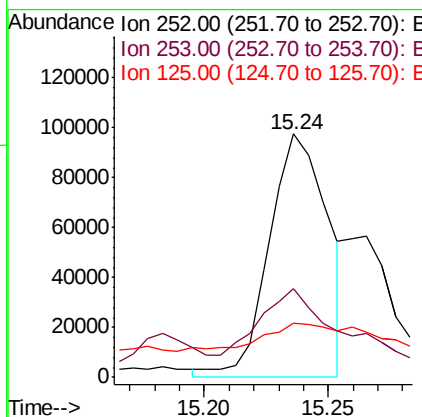
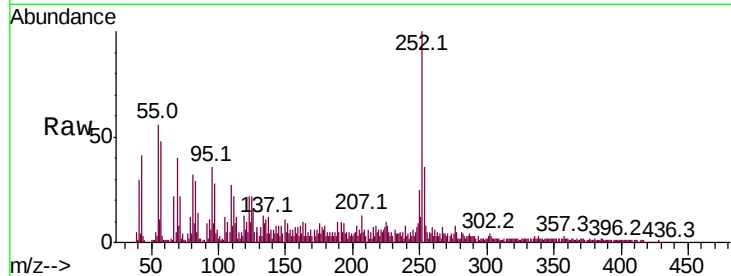
ClientSampleId :

SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.4	17.0	25.6#
125	22.2	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 4.640 ng m

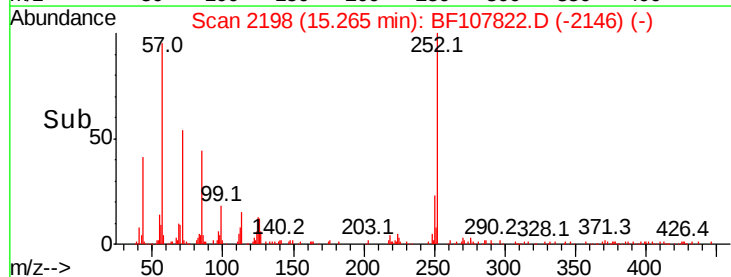
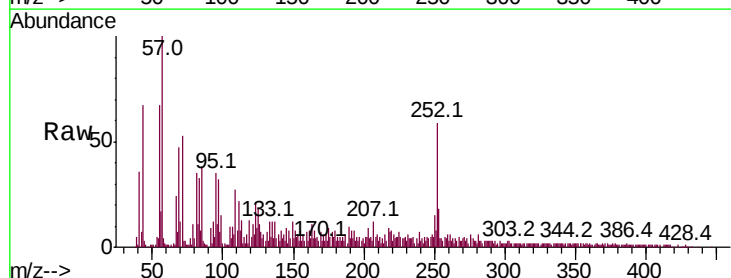
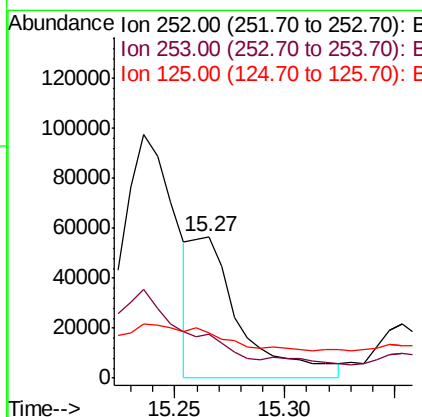
RT: 15.27 min Scan# 2198

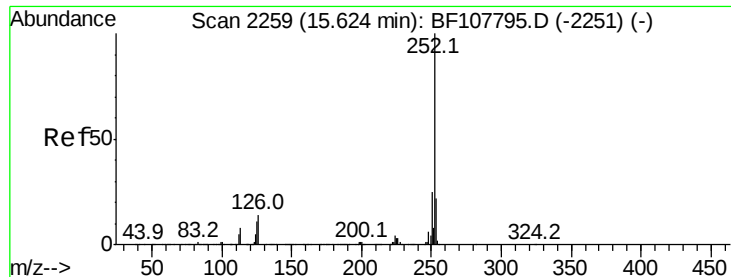
Delta R.T. 0.01 min

Lab File: BF107822.D

Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.9	26.9#
125	32.2	10.2	15.2#





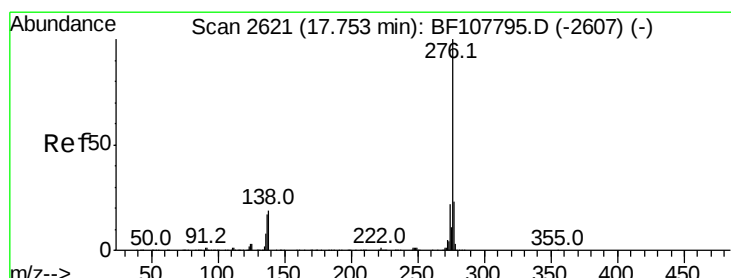
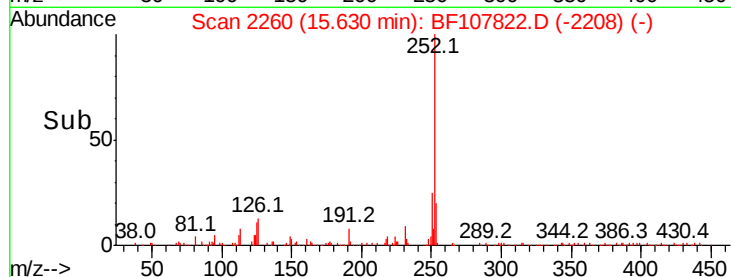
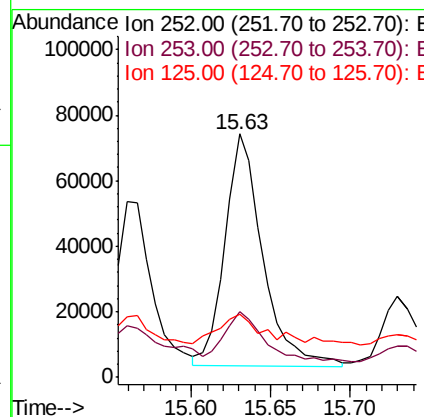
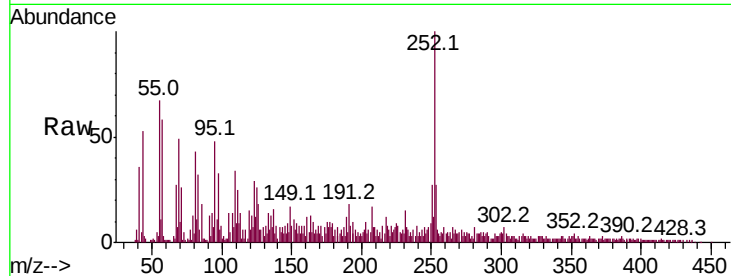
#89
Benzo(a)pyrene
Concen: 7.293 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Instrument :
BNA_F
ClientSampled :
SB-3(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	25.7	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.528 ng
RT: 17.77 min Scan# 2623
Delta R.T. 0.01 min
Lab File: BF107822.D
Acq: 31 Jul 2018 1:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.3	17.9	26.9#
138	33.0	21.8	32.8#

