

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107813.D
 Acq On : 30 Jul 2018 21:13
 Operator : JU/SJ
 Sample : J4164-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)

Manual Integrations
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 7/31/2018 2:42:39 PM

Quant Time: Jul 31 03:26:44 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	184370	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	807816	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	359076	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	738318	20.00	ng	0.00
75) Chrysene-d12	14.15	240	529200	20.00	ng	0.00
86) Perylene-d12	15.68	264	573822	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1353737	124.79	ng	0.00
7) Phenol-d6	6.61	99	1717459	120.12	ng	0.00
23) Nitrobenzene-d5	7.52	82	1134105	80.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	534626	109.57	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1749820	67.91	ng	0.00
78) Terphenyl-d14	13.08	244	1633917	66.95	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.27	128	264868	7.054	ng	99
49) Dimethylphthalate	9.71	163	148651	5.512	ng	99
51) Acenaphthene	10.03	154	58017	2.614	ng	96
54) Dibenzofuran	10.21	168	102726	2.995	ng	98
57) Fluorene	10.55	166	171466	6.432	ng	95
70) Phenanthrene	11.52	178	542665	15.479	ng	98
71) Anthracene	11.57	178	295579	7.310	ng	98
72) Carbazole	11.75	167	97675	2.444	ng	98
74) Fluoranthene	12.71	202	769682	18.688	ng	97
77) Pyrene	12.94	202	616552	16.180	ng	97
80) Benzo(a)anthracene	14.14	228	317400	10.588	ng	94
82) Chrysene	14.17	228	266716	8.249	ng	99
85) Indeno(1,2,3-cd)pyrene	17.26	276	133055	5.410	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	266601m	9.420	ng	
88) Benzo(k)fluoranthene	15.25	252	137714m	3.963	ng	
89) Benzo(a)pyrene	15.61	252	230527	7.890	ng	97
91) Benzo(g,h,i)perylene	17.73	276	111924	4.539	ng	97

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

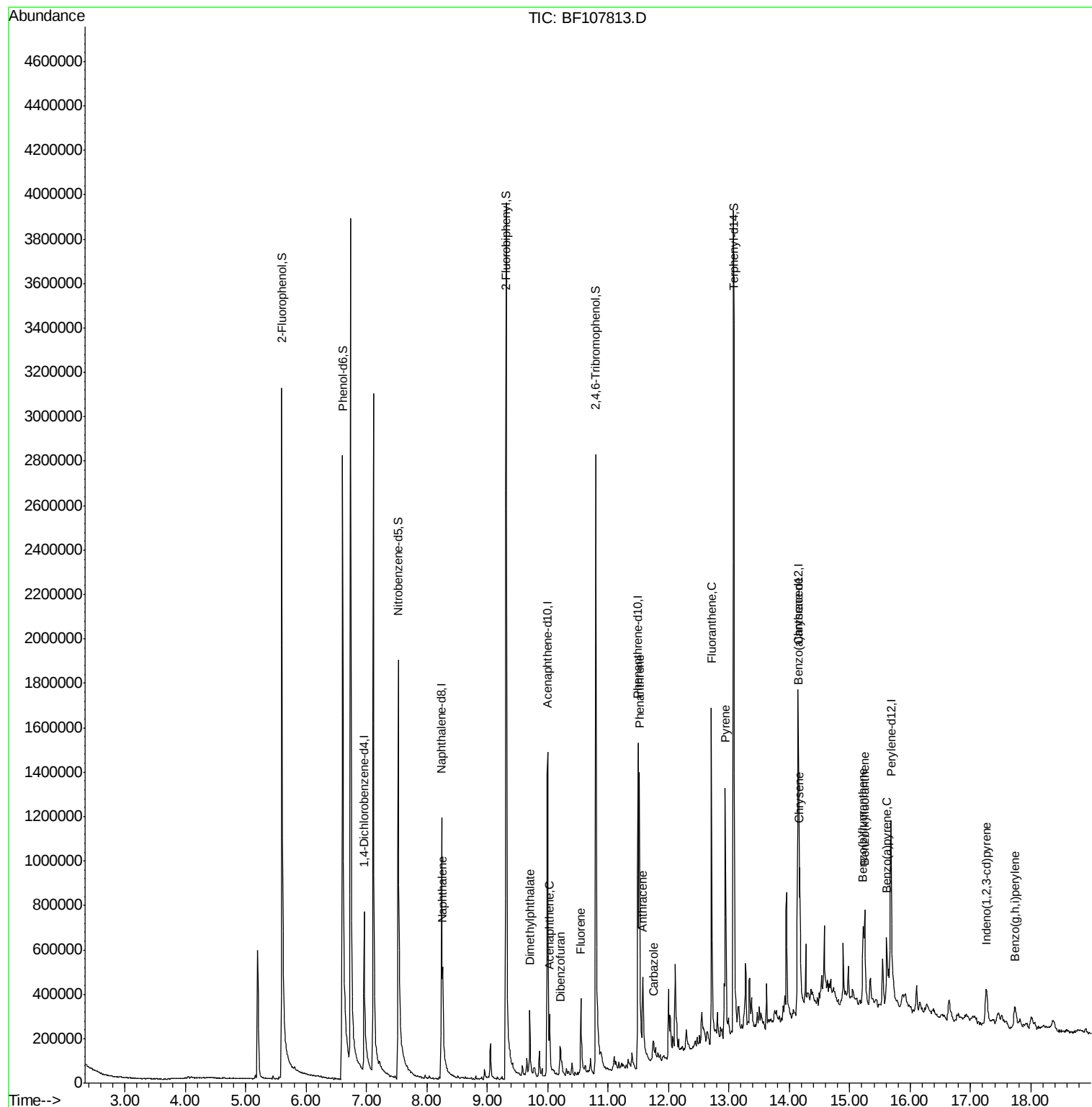
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107813.D
Acq On : 30 Jul 2018 21:13
Operator : JU/SJ
Sample : J4164-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

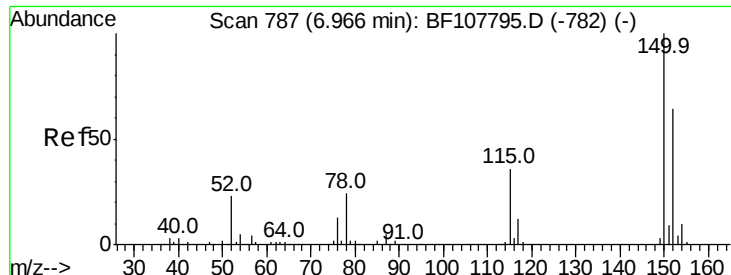
Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

Quant Time: Jul 31 03:26:44 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
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#1

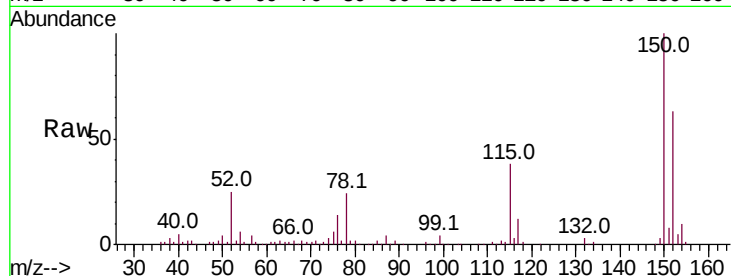
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampled :
SB-6(7-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	59.6	50.1	75.1

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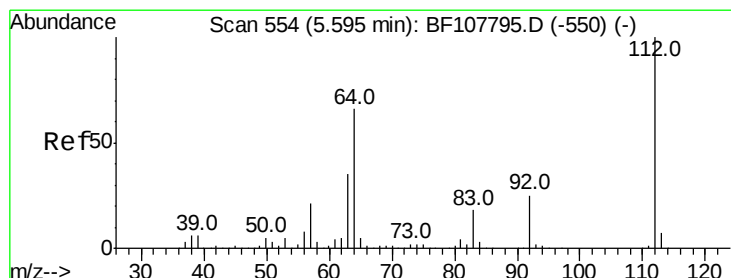
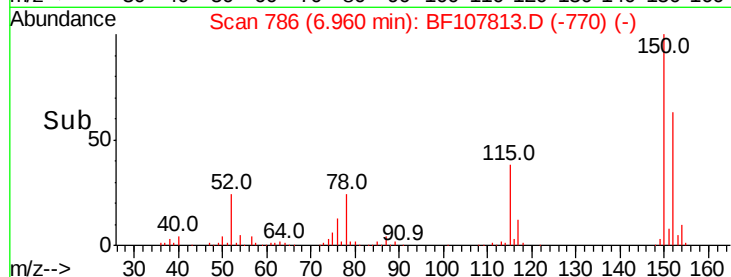
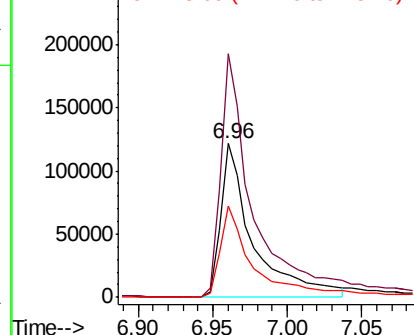


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

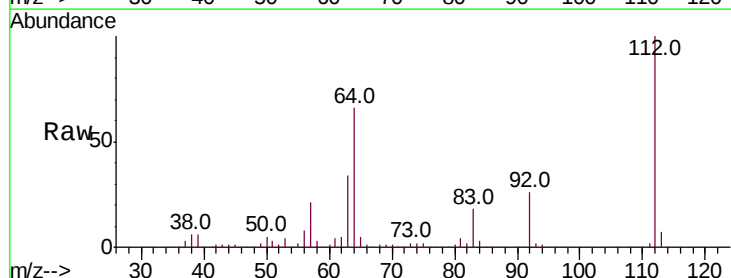
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.789 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	33.5	23.7	35.5

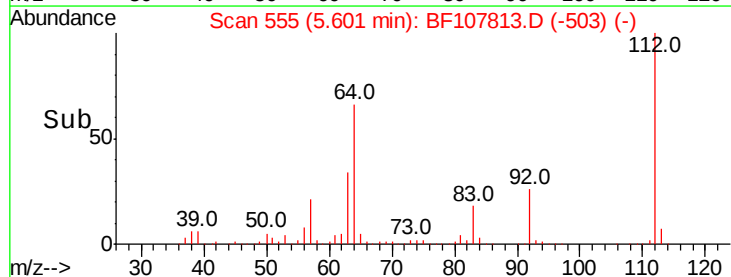
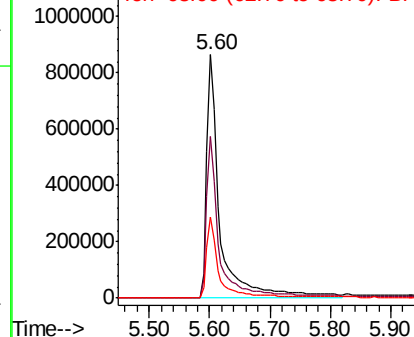


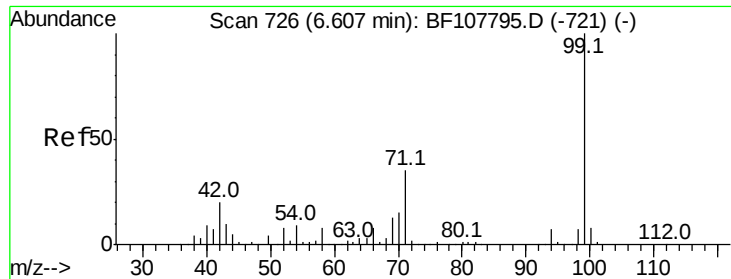
Abundance

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: 120.125 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Instrument :

BNA_F

ClientSampled :

SB-6(7-9)

Tot Ion: 99 Resp: 1717459

Ion Ratio Lower Upper

99 100

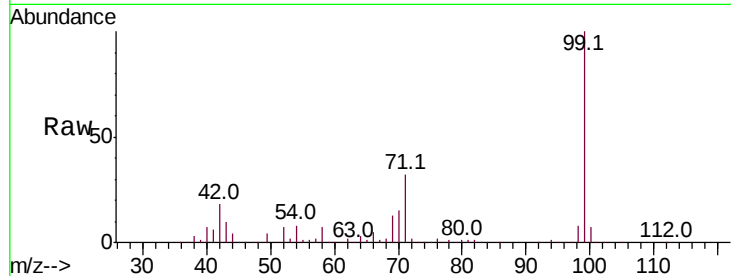
42 18.3 14.5 21.7

71 32.4 25.4 38.0

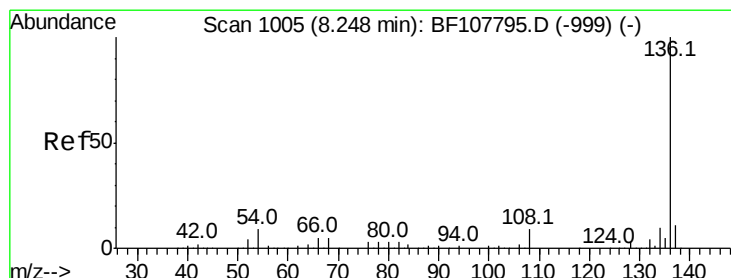
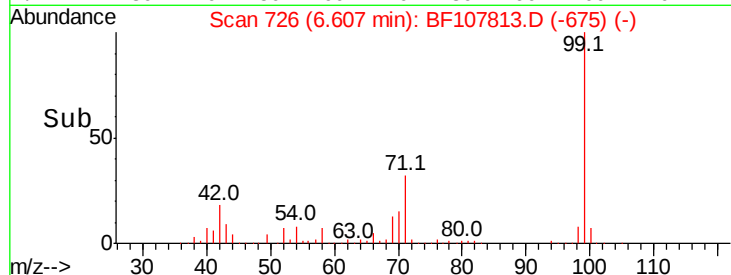
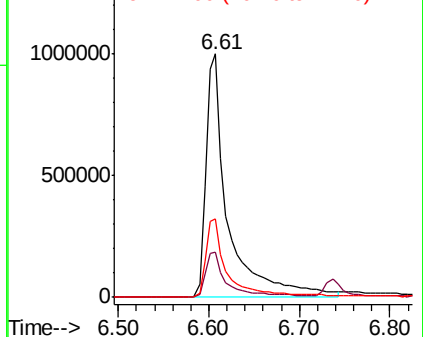
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Tgt Ion: 136 Resp: 807816

Ion Ratio Lower Upper

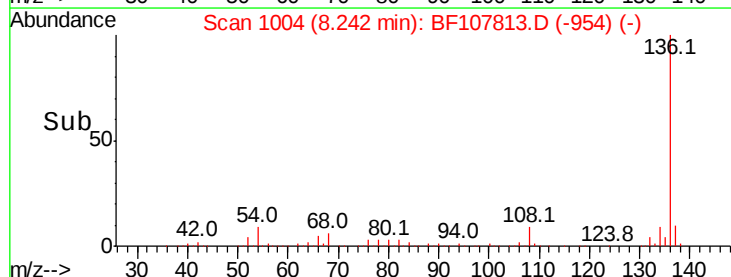
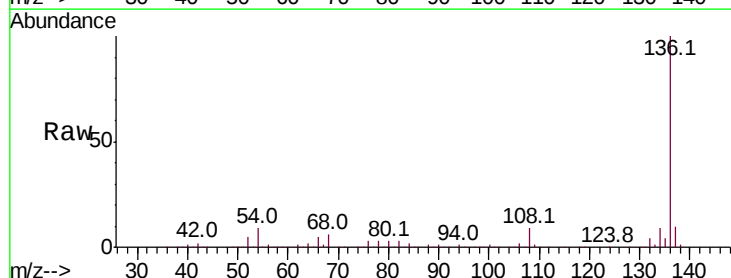
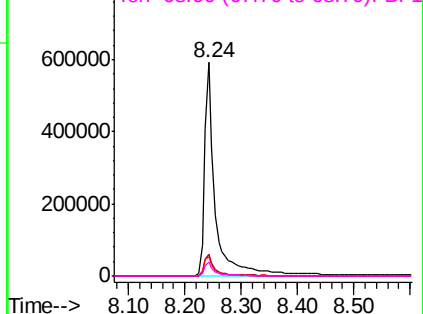
136 100

137 10.4 8.9 13.3

54 9.1 6.6 9.8

68 6.5 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





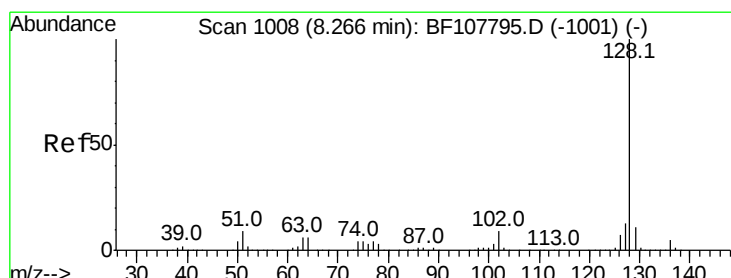
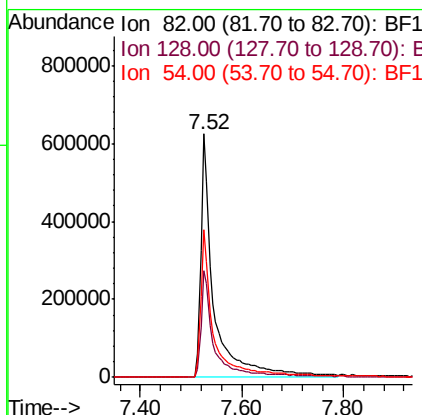
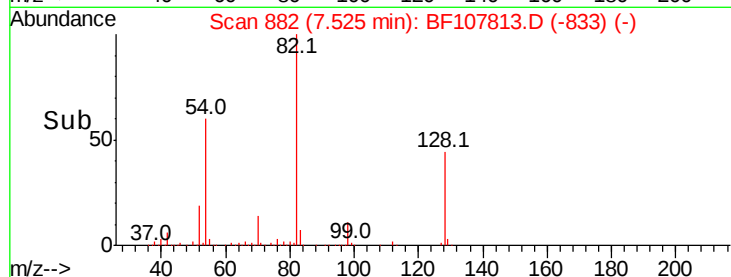
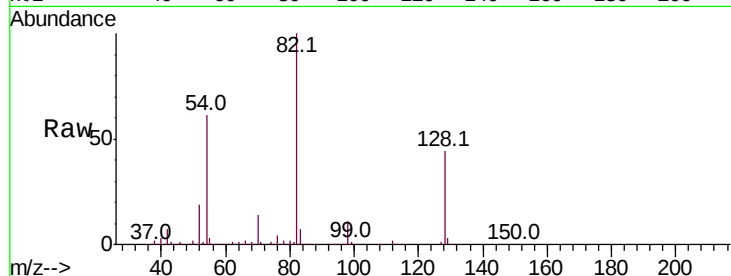
#23
Nitrobenzene-d5
Concen: 80.880 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

Tot Ion: 82 Resp: 1134105
Ion Ratio Lower Upper
82 100
128 43.6 36.1 54.1
54 60.5 41.4 62.2

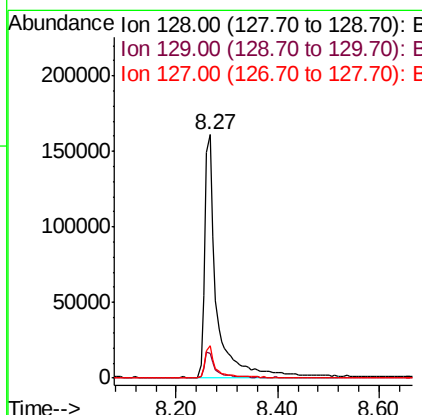
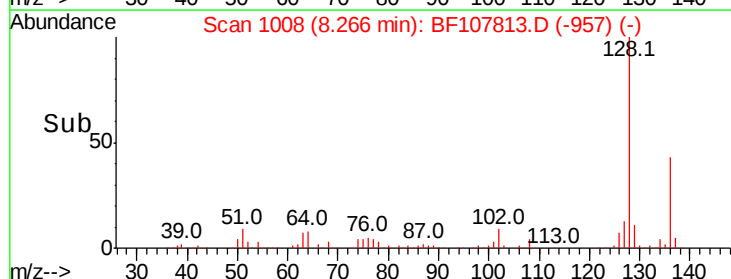
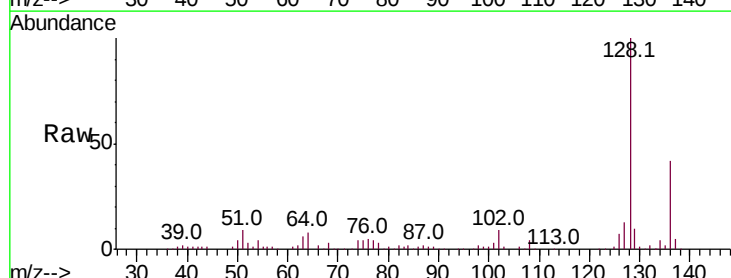
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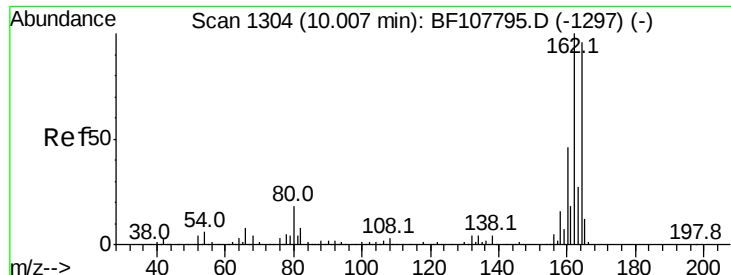
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#31
Naphthalene
Concen: 7.054 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion: 128 Resp: 264868
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.2 10.9 16.3





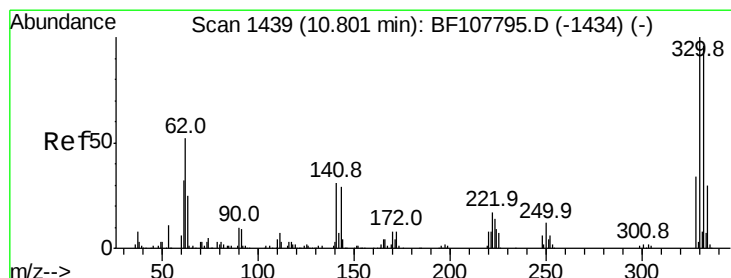
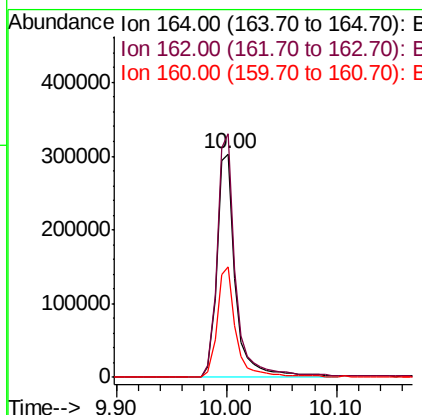
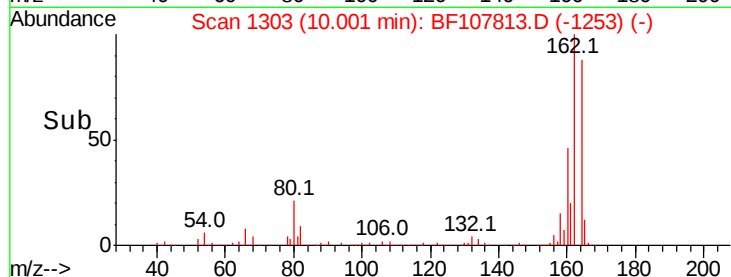
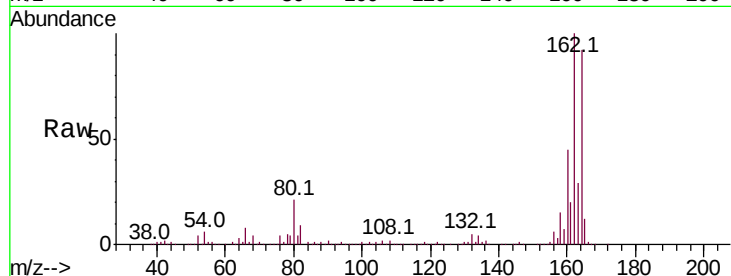
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

Tot Ion	Ratio	Lower	Upper
164	100		
162	109.0	86.1	129.1
160	49.5	38.3	57.5

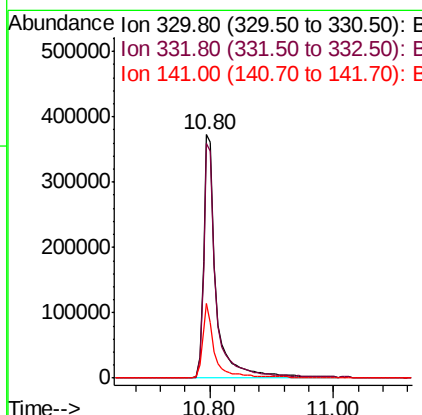
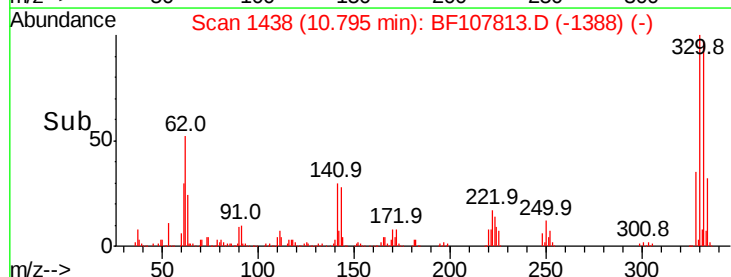
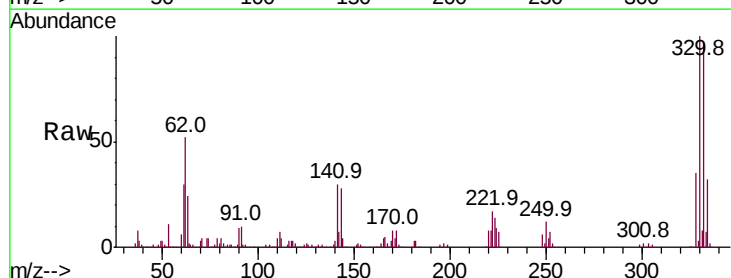
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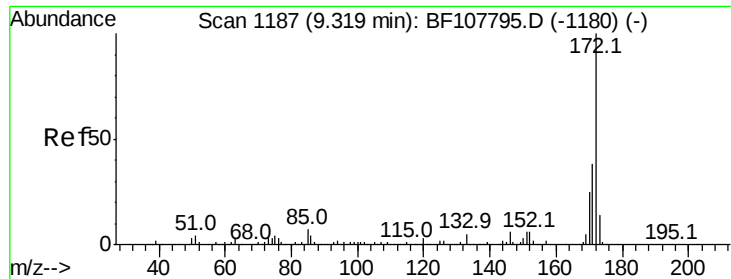
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#41
2,4,6-Tribromophenol
Concen: 109.574 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	29.6	29.9	44.9#





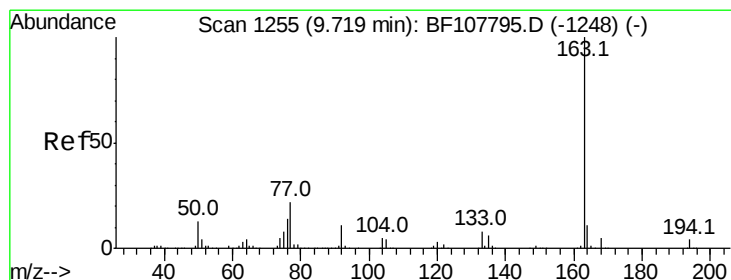
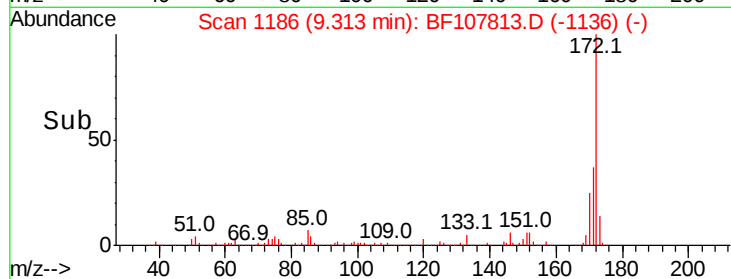
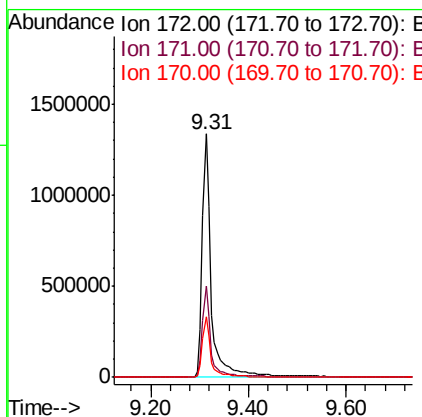
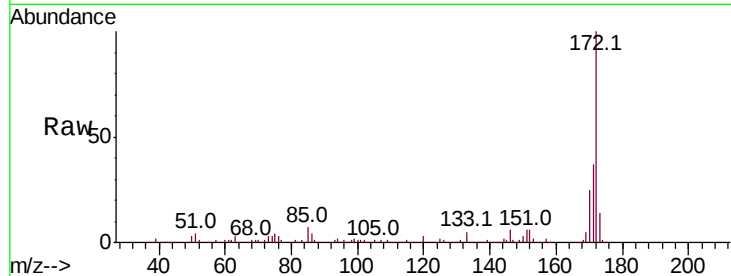
#44
2-Fluorobiphenyl
Concen: 67.906 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	24.7	19.6	29.4

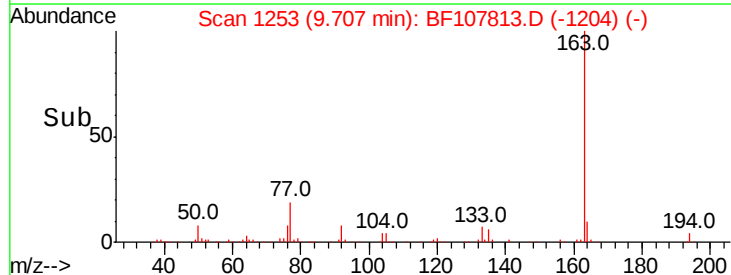
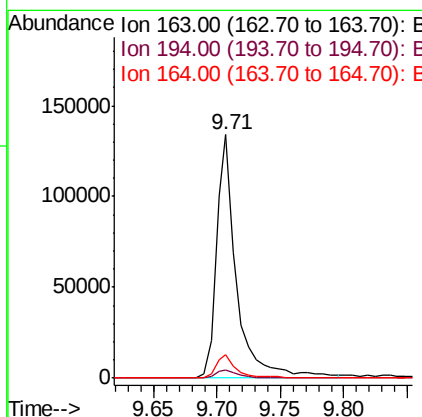
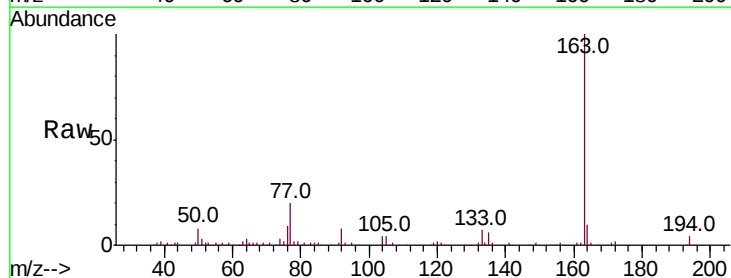
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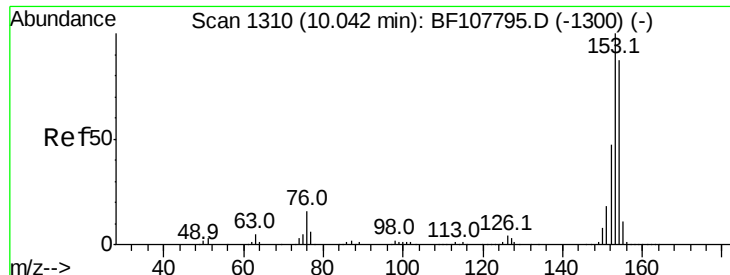
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#49
Dimethylphthalate
Concen: 5.512 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.8	8.2	12.2





#51

Acenaphthene

Concen: 2.614 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Instrument :

BNA_F

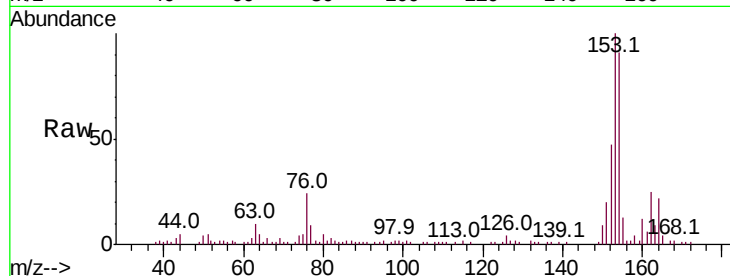
ClientSampleId :

SB-6(7-9)

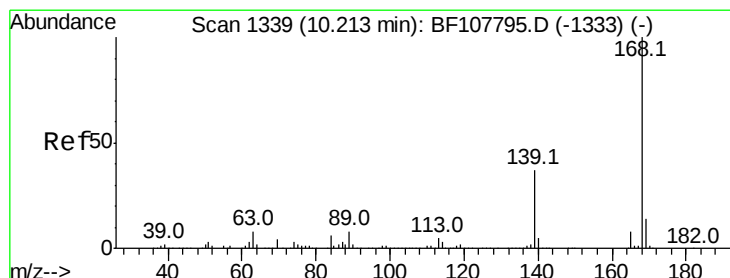
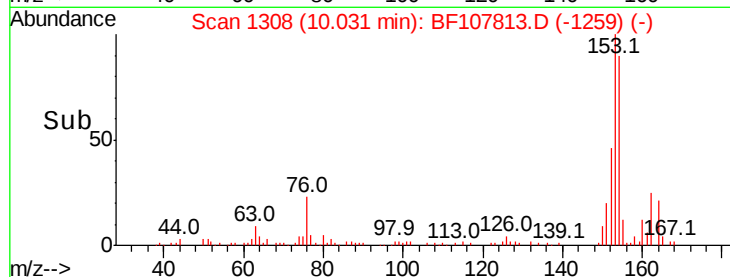
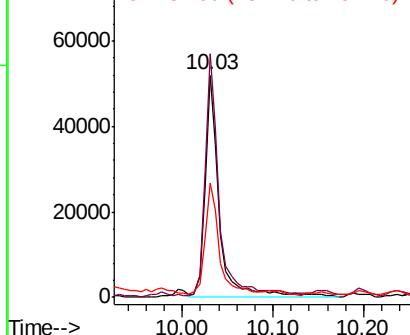
Tot Ion:	154	Resp:	58017
Ion Ratio	Lower	Upper	
154	100		
153	109.6	91.2	136.8
152	51.2	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.995 ng

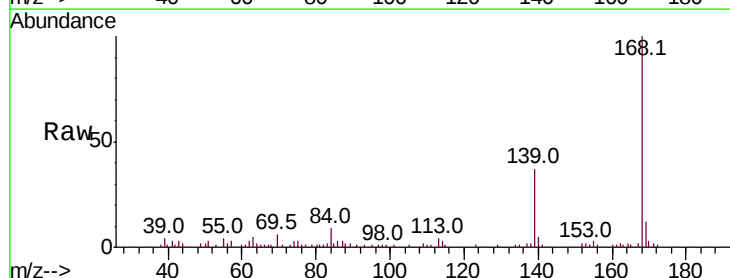
RT: 10.21 min Scan# 1338

Delta R.T. -0.01 min

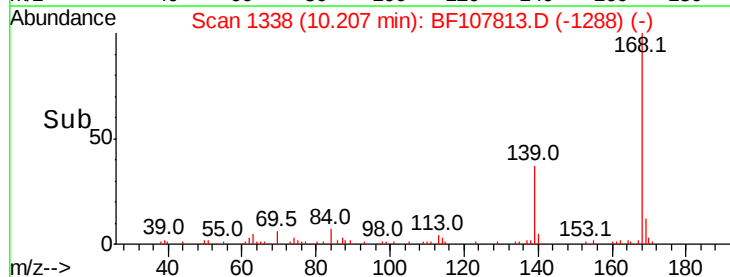
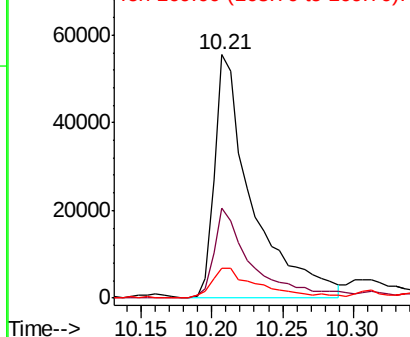
Lab File: BF107813.D

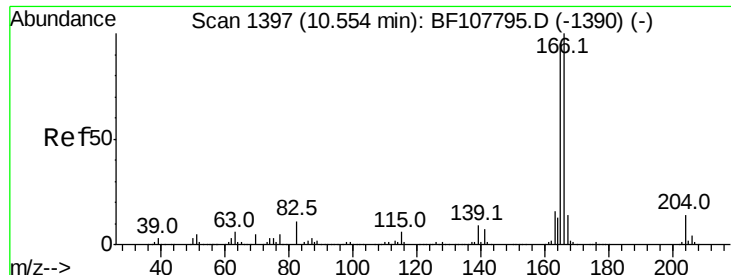
Acq: 30 Jul 2018 21:13

Tgt Ion:	168	Resp:	102726
Ion Ratio	Lower	Upper	
168	100		
139	36.8	30.1	45.1
169	12.4	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





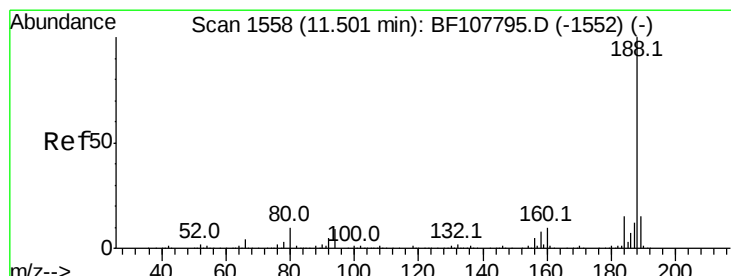
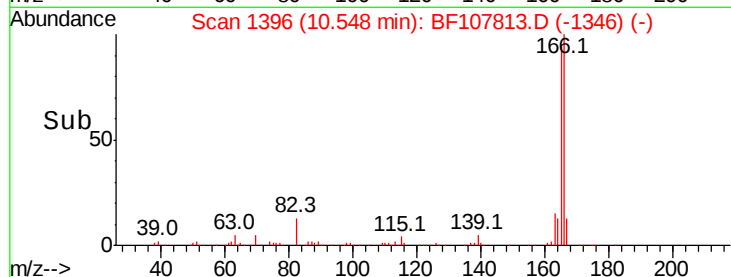
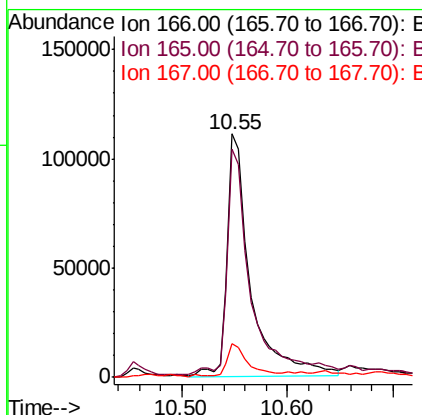
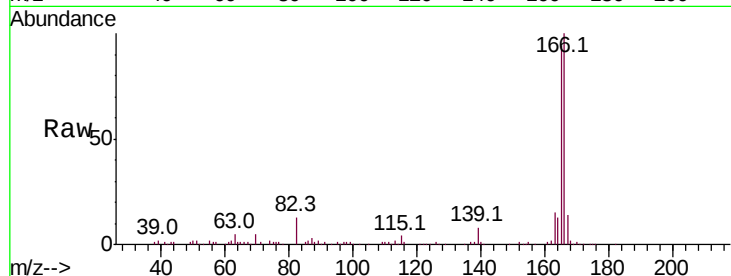
#57
Fluorene
 Concen: 6.432 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107813.D
 Acq: 30 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	171466		
165	93.9	79.8	119.8	
167	13.8	10.6	16.0	

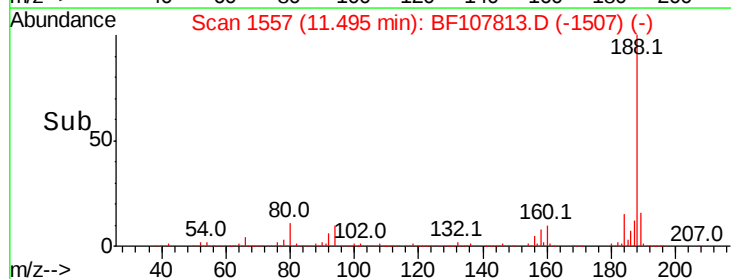
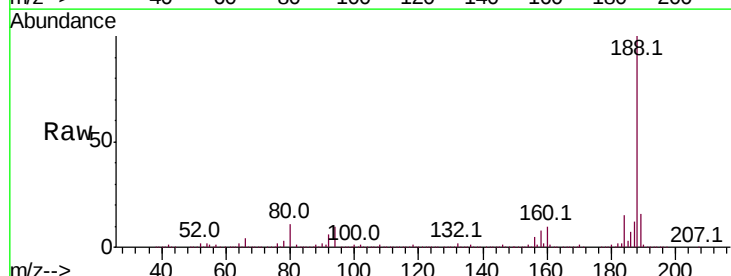
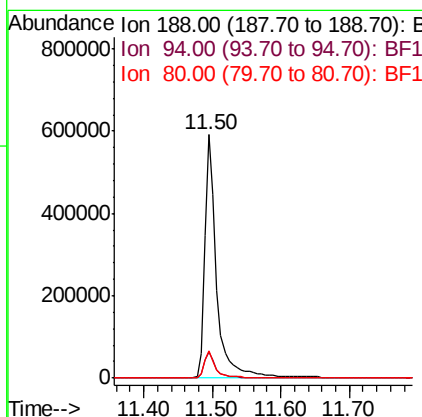
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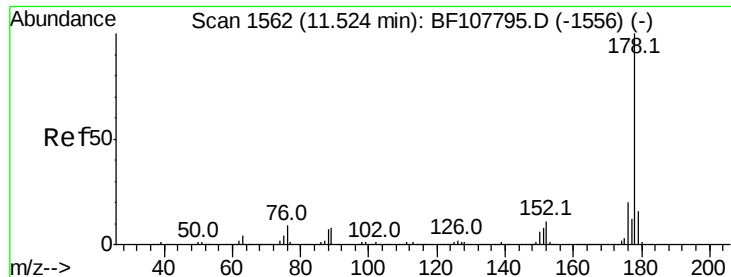
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107813.D
 Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	738318		
94	10.4	8.5	12.7	
80	11.1	9.2	13.8	





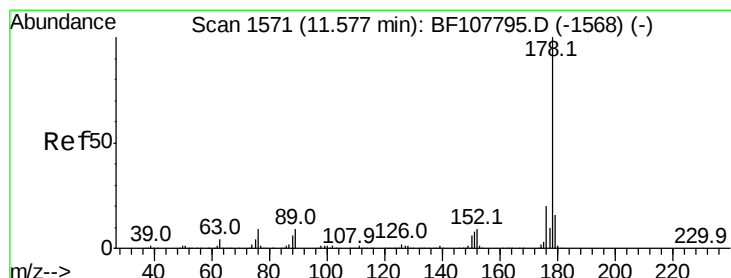
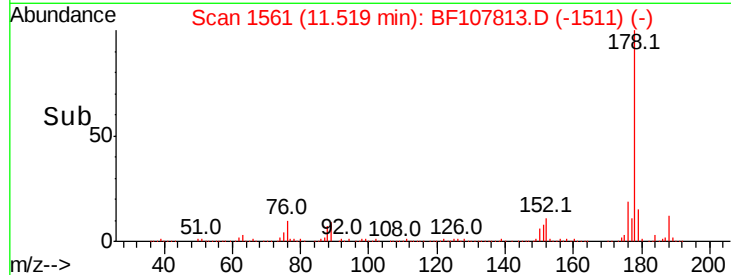
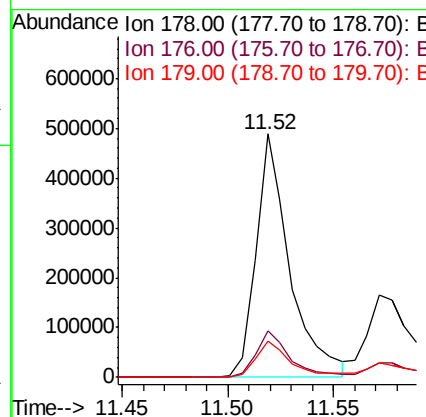
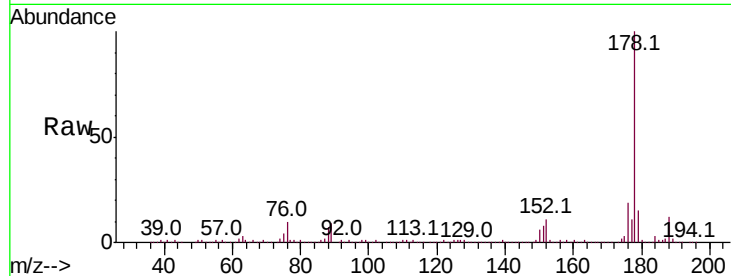
#70
Phenanthrene
Concen: 15.479 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.1	13.0	19.6

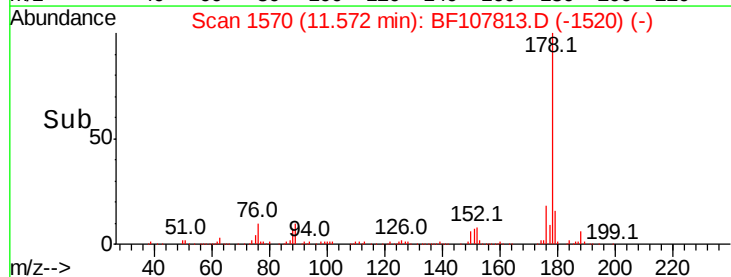
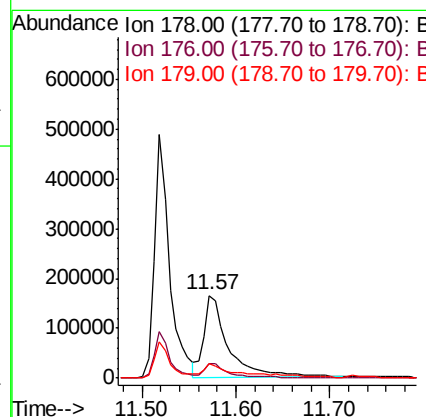
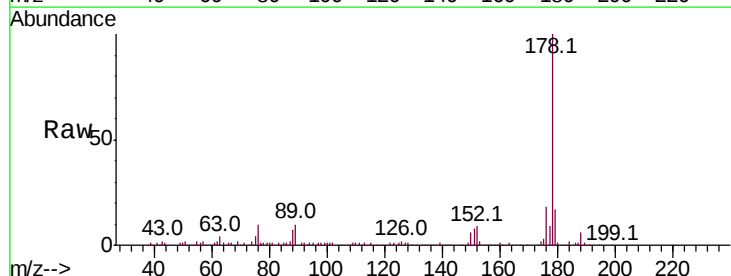
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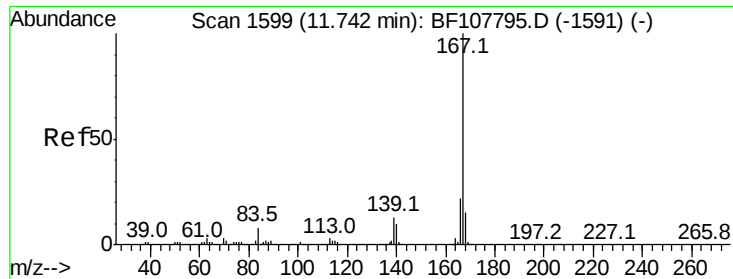
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#71
Anthracene
Concen: 7.310 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.9	12.6	19.0





#72

Carbazole

Concen: 2.444 ng

RT: 11.75 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Instrument :

BNA_F

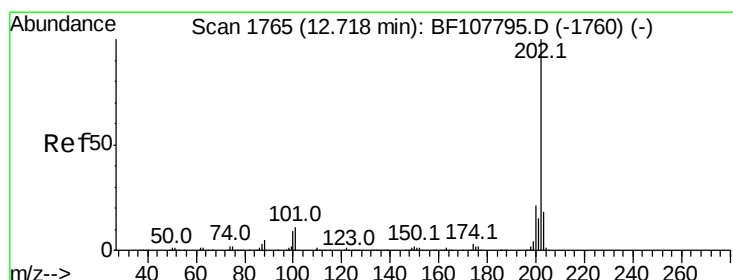
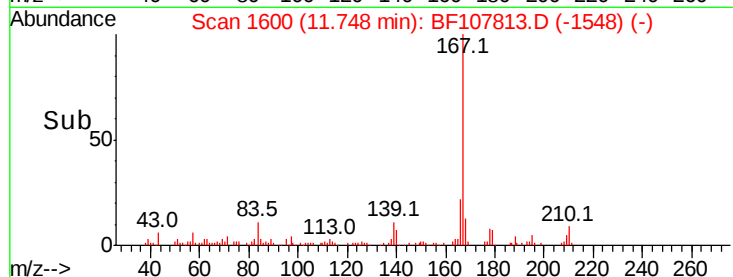
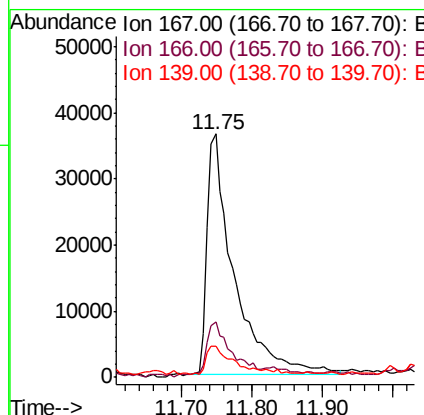
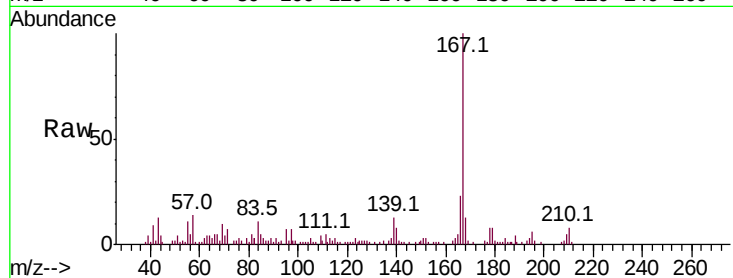
ClientSampleId :

SB-6(7-9)

Tot Ion:	167	Resp:	97675
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.6	26.4
139	12.7	10.9	16.3

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#74

Fluoranthene

Concen: 18.688 ng

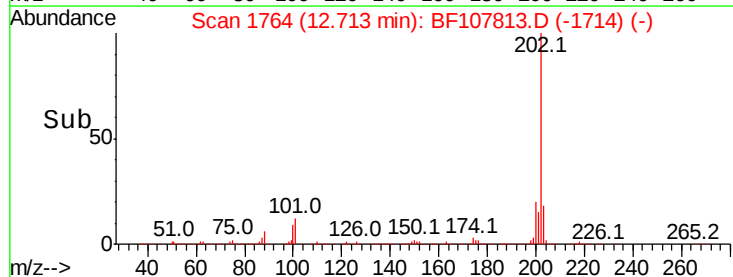
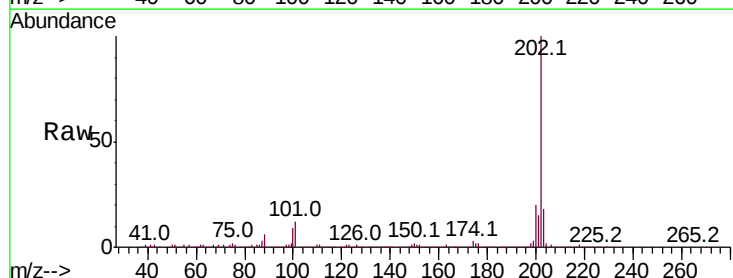
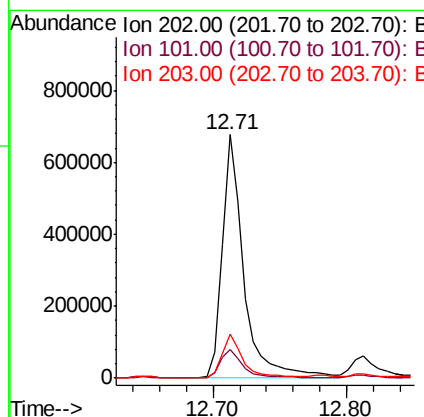
RT: 12.71 min Scan# 1764

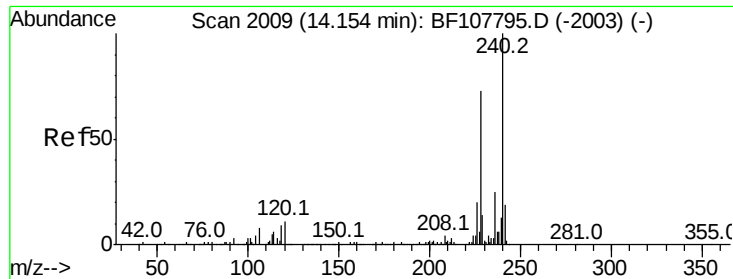
Delta R.T. -0.01 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Tgt Ion:	202	Resp:	769682
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Instrument :

BNA_F

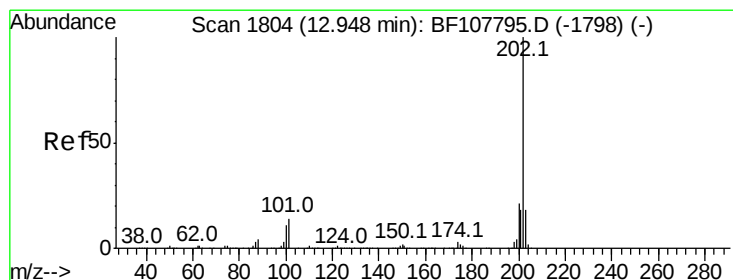
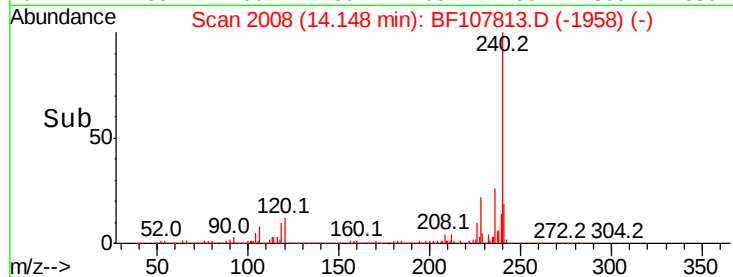
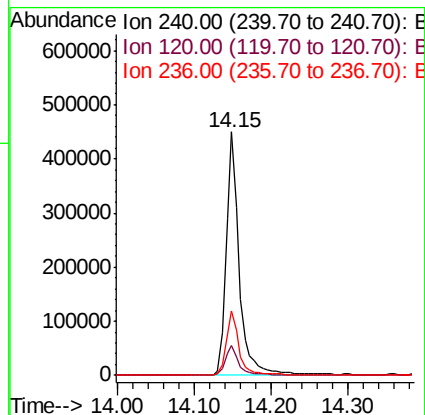
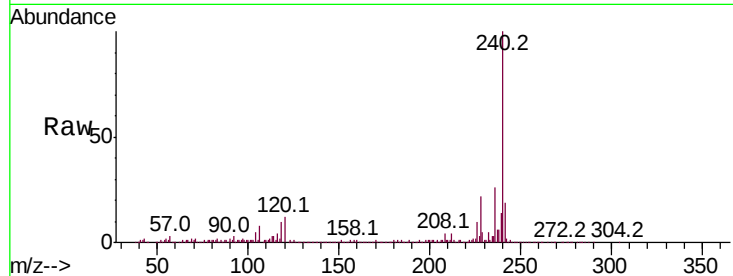
ClientSampleId :

SB-6(7-9)

Tot Ion:	240	Resp:	529200
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 16.180 ng

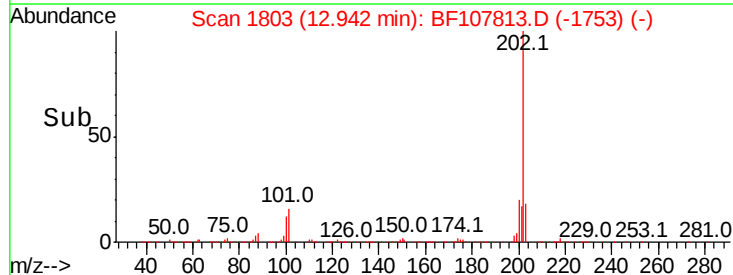
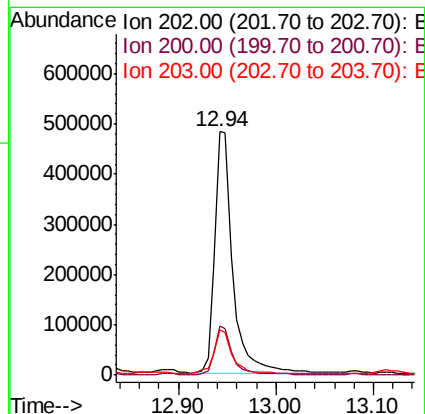
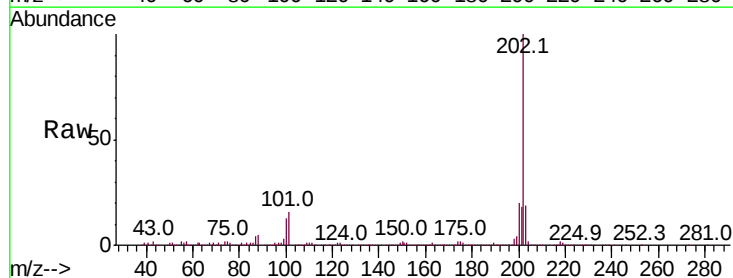
RT: 12.94 min Scan# 1803

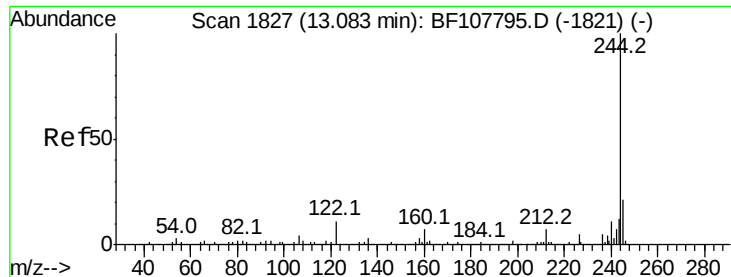
Delta R.T. -0.01 min

Lab File: BF107813.D

Acq: 30 Jul 2018 21:13

Tgt Ion:	202	Resp:	616552
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.4	26.2
203	18.7	14.3	21.5





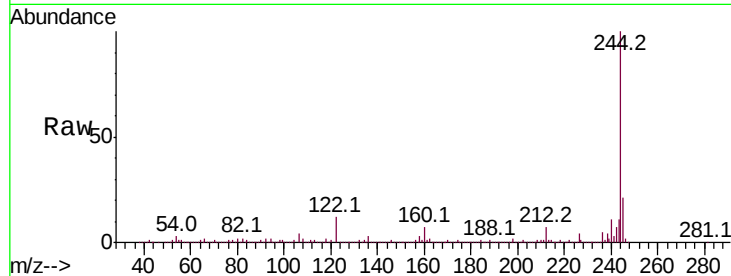
#78
 Terphenyl-d14
 Concen: 66.951 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107813.D
 Acq: 30 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)

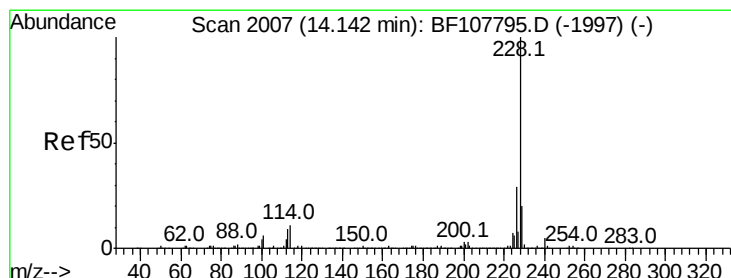
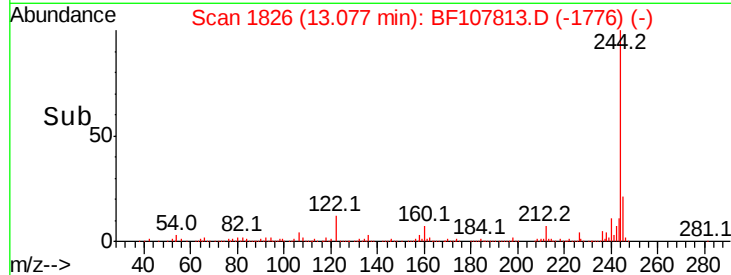
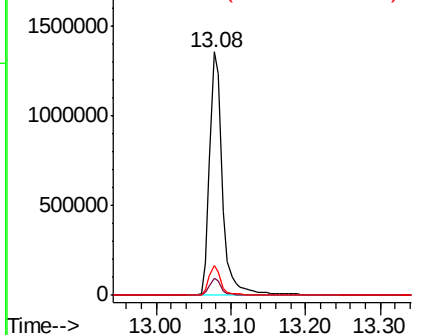
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	12.1	11.0	16.4

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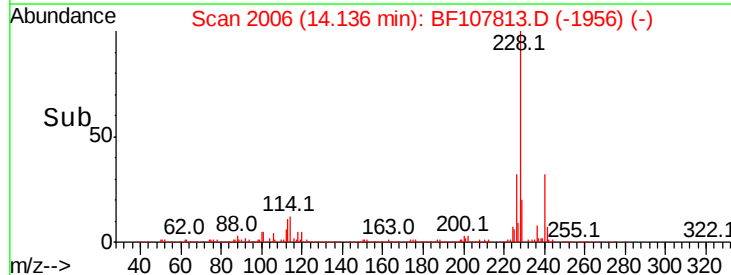
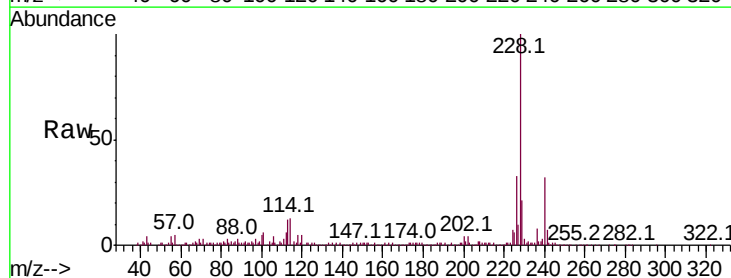
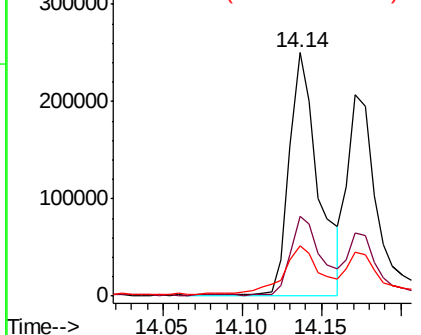
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

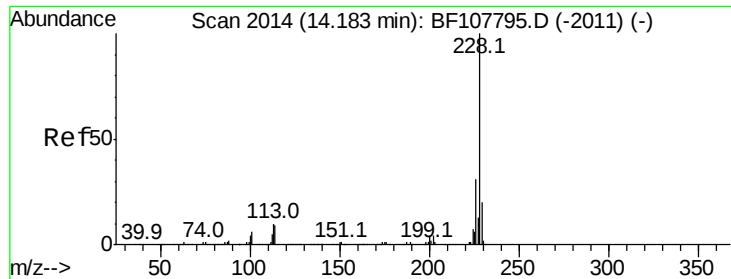


#80
 Benzo(a)anthracene
 Concen: 10.588 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF107813.D
 Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	20.8	15.8	23.6

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





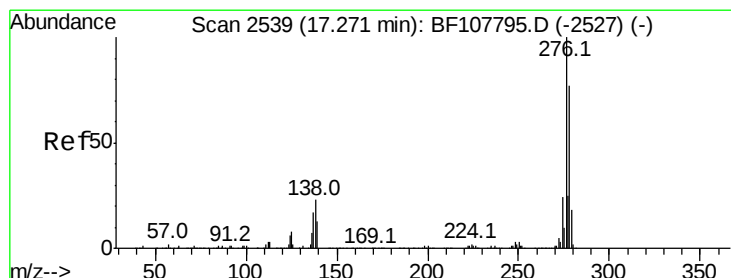
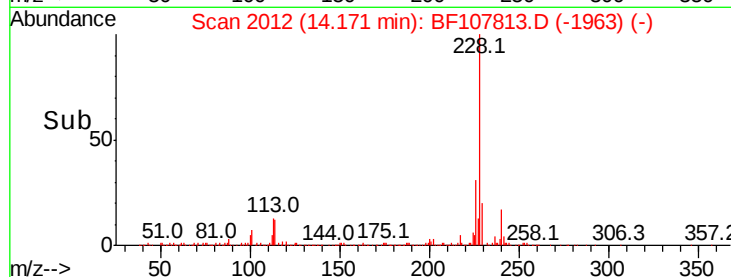
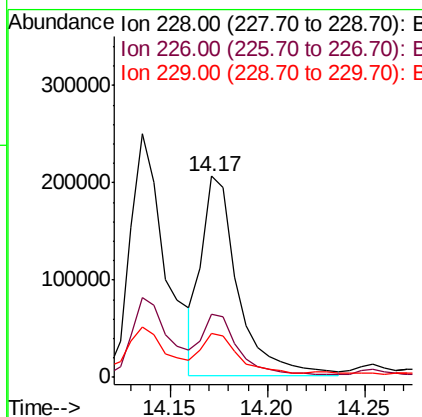
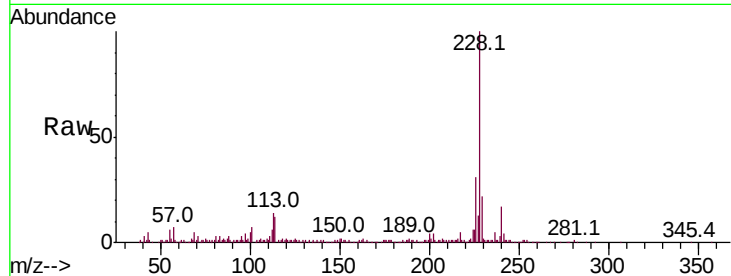
#82
Chrysene
Concen: 8.249 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampled :
SB-6(7-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.6	16.2	24.4

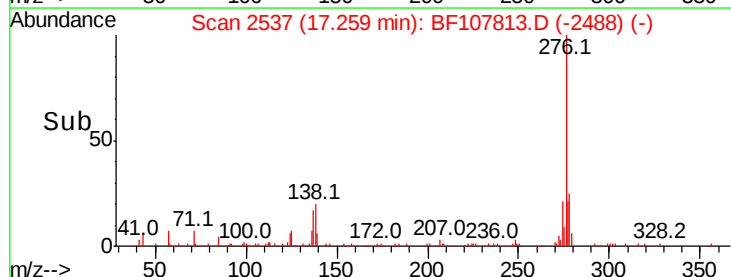
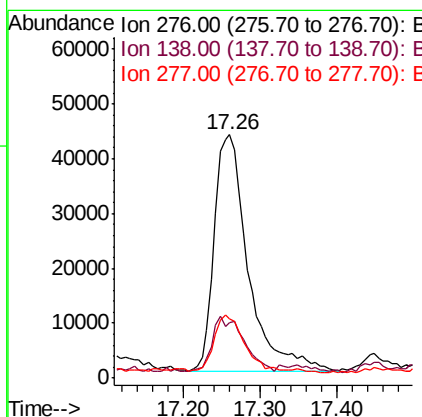
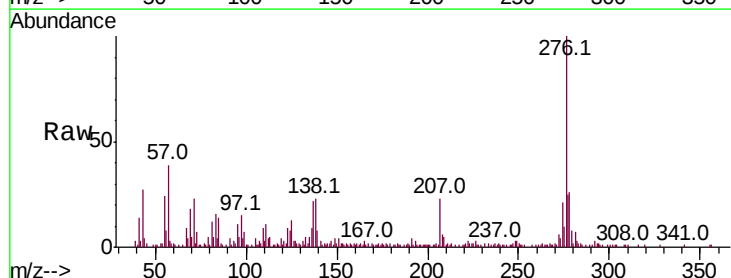
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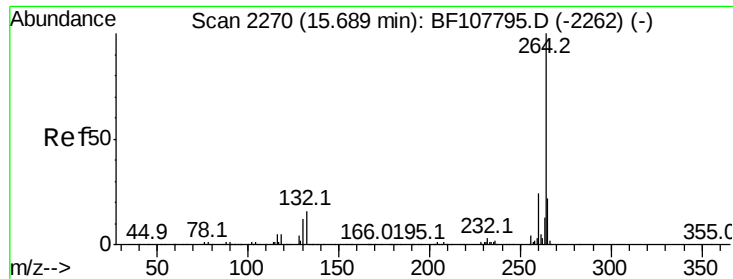
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.410 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6#
277	20.8	20.1	30.1





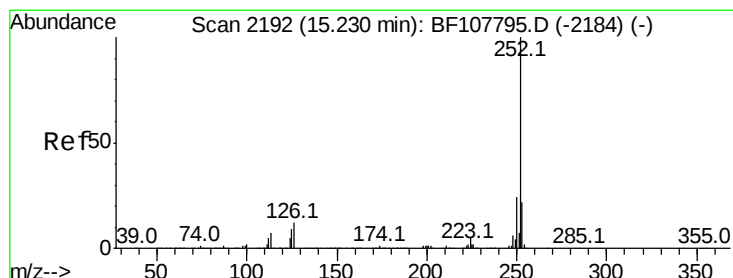
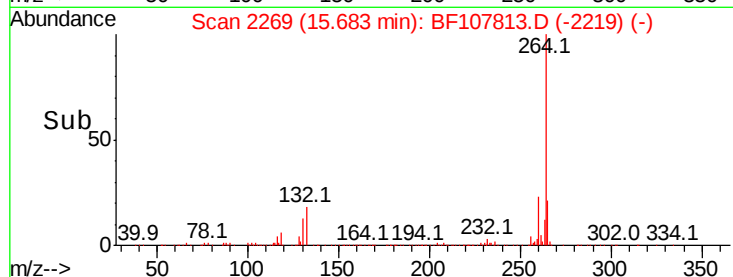
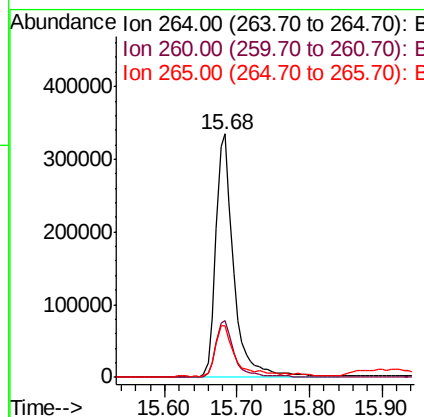
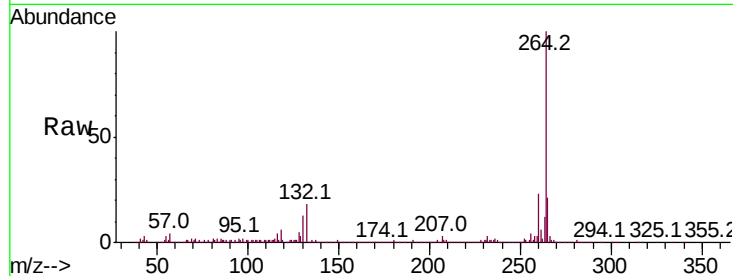
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

Tot Ion:	264	Resp:	573822
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.1	17.5	26.3

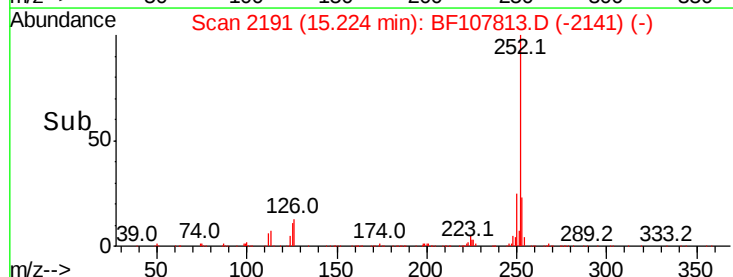
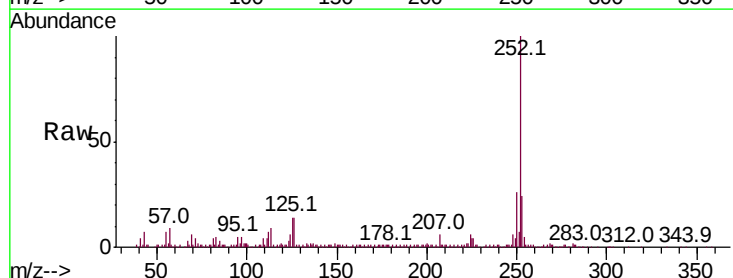
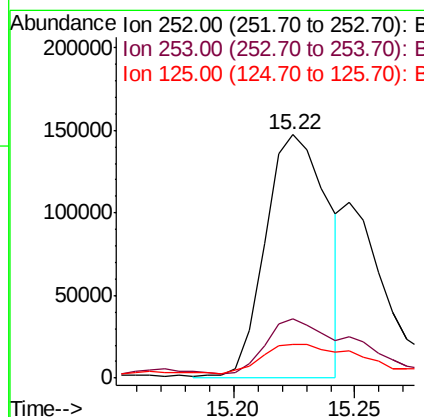
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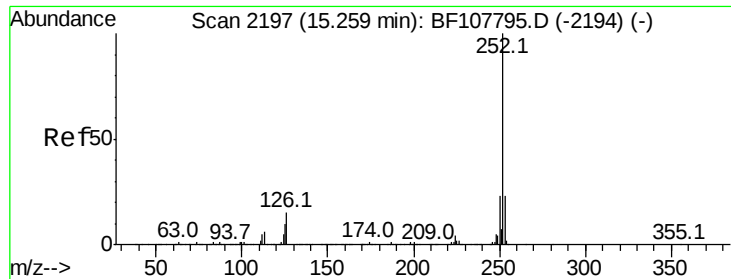
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#87
Benzo(b)fluoranthene
Concen: 9.420 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion:	252	Resp:	266601
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.6
125	13.8	9.0	13.6#





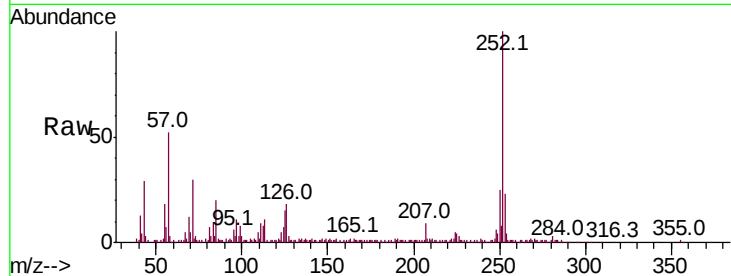
#88
Benzo(k)fluoranthene
Concen: 3.963 ng/mL
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Instrument :
BNA_F
ClientSampleId :
SB-6(7-9)

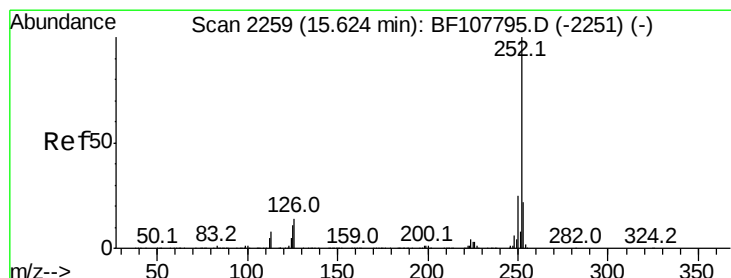
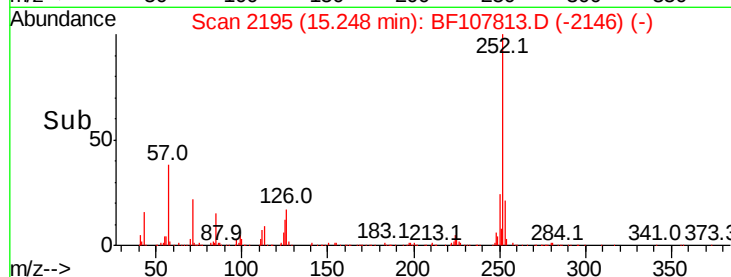
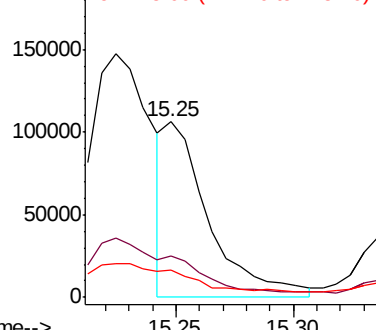
Tot Ion	Ratio	Resp	Lower	Upper
252	100	137714		
253	23.3	17.9	26.9	
125	15.4	10.2	15.2#	

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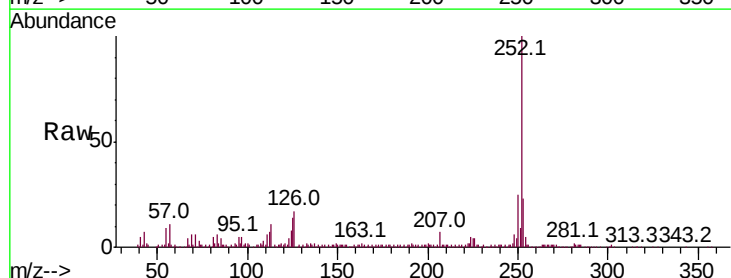


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

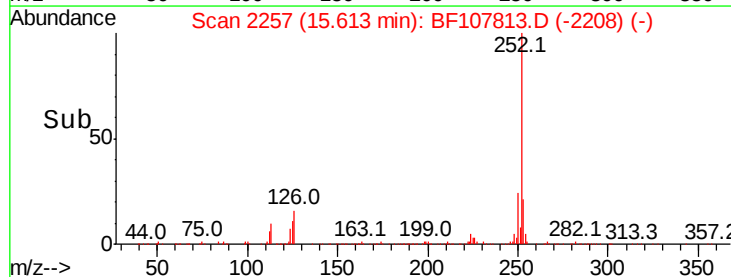
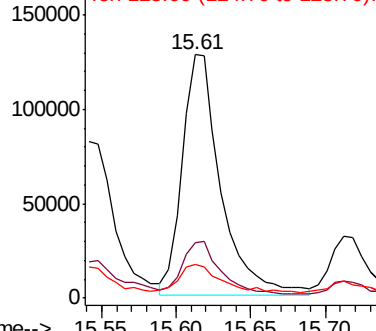


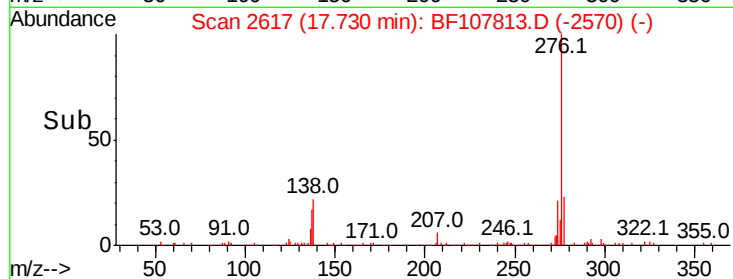
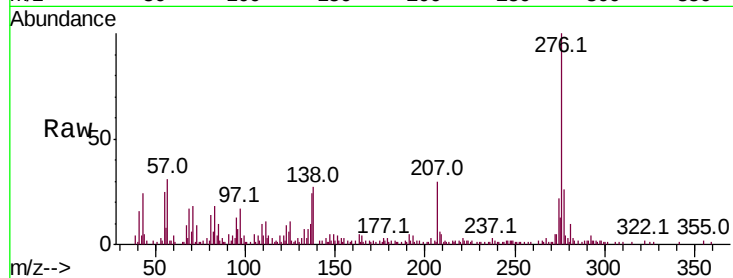
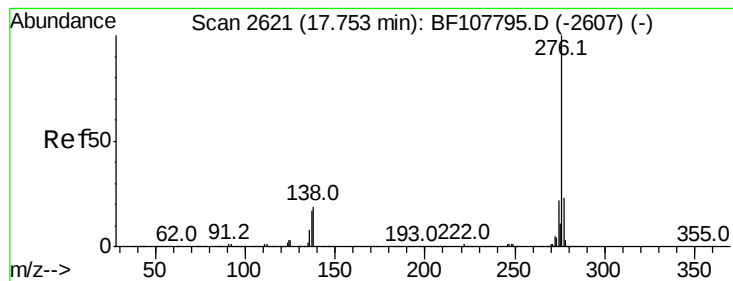
#89
Benzo(a)pyrene
Concen: 7.890 ng/mL
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107813.D
Acq: 30 Jul 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	230527		
253	22.9	17.1	25.7	
125	13.8	9.8	14.6	



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





#91
 Benzo(a,h,i)perylene
 Concen: 4.539 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. -0.02 min
 Lab File: BF107813.D
 Acq: 30 Jul 2018 21:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(7-9)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	27.3	21.8	32.8

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