

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
 Data File : BF118913.D
 Acq On : 12 Feb 2020 13:42
 Operator : CG/JU
 Sample : L1491-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(13.5-15.5)

Manual Integrations
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Quant Time: Feb 13 00:29:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	204320	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	716227	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	335867	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	521174	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	556929	20.00	ng	-0.01
87) Perylene-d12	15.43	264	657653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	940337	87.12	ng	0.00
7) Phenol-d6	6.45	99	1136735	84.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	708422	58.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	304741	75.83	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1223011	65.10	ng	-0.02
79) Terphenyl-d14	12.92	244	1368055	50.46	ng	-0.01
Target Compounds						
38) 1-Methylnaphthalene	8.90	142	62810	2.939	ng	# 97
50) Dimethylphthalate	9.56	163	61782	2.702	ng	# 81
52) Acenaphthene	9.87	154	92330	5.024	ng	97
58) Fluorene	10.39	166	108793	5.445	ng	# 92
71) Phenanthrene	11.36	178	616896	24.058	ng	98
72) Anthracene	11.40	178	239199	9.377	ng	97
75) Fluoranthene	12.55	202	941262	33.620	ng	99
78) Pyrene	12.77	202	850274	22.255	ng	98
81) Benzo(a)anthracene	13.96	228	365767	11.037	ng	# 94
83) Chrysene	14.00	228	339551	10.208	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.86	276	113032	3.382	ng	97
88) Benzo(b)fluoranthene	15.00	252	353068m	8.652	ng	
89) Benzo(k)fluoranthene	15.03	252	95806m	2.696	ng	
90) Benzo(a)pyrene	15.36	252	244871	7.011	ng	# 90
92) Benzo(a,h,i)perylene	17.30	276	98034	3.288	ng	# 85

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

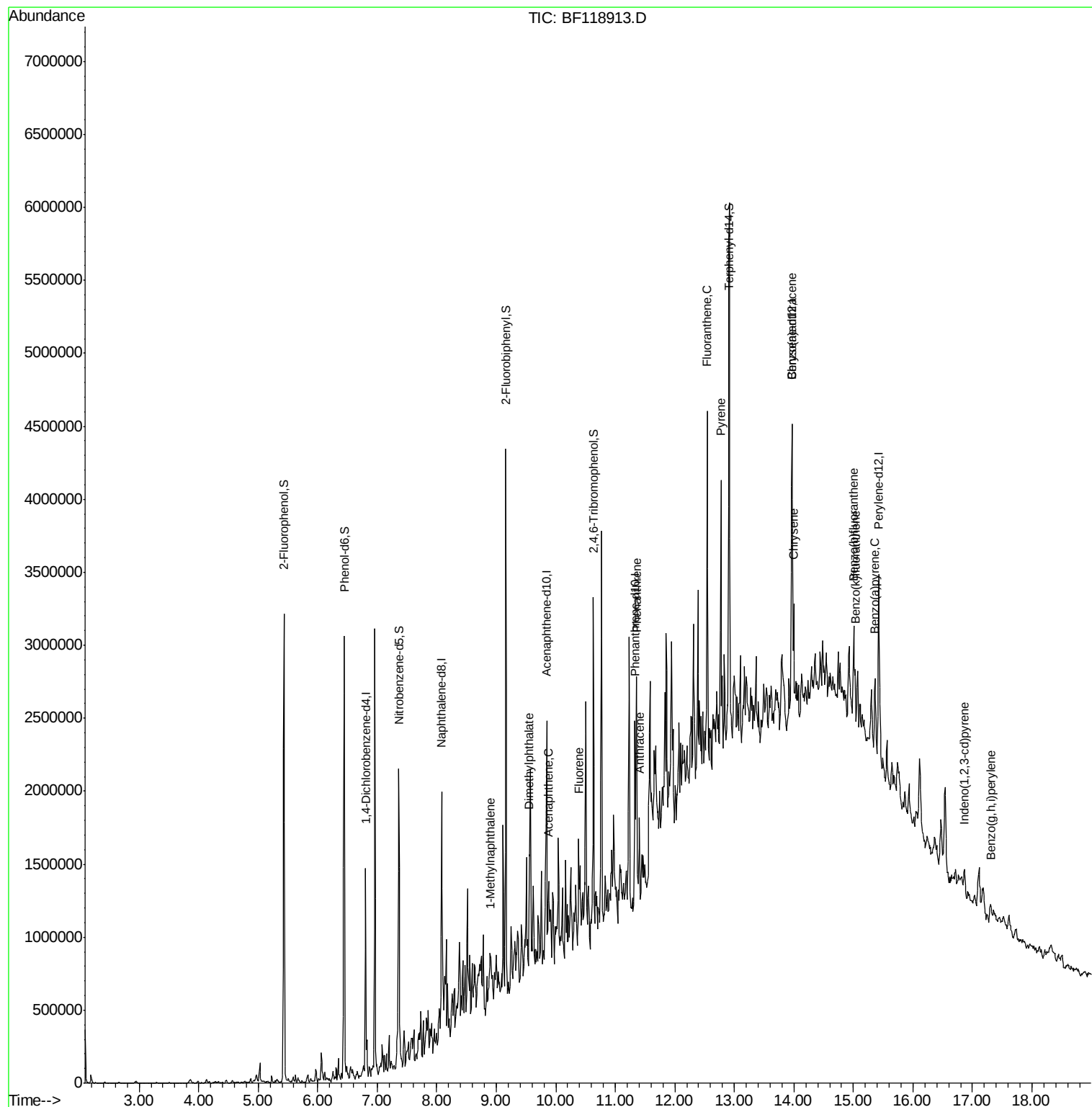
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

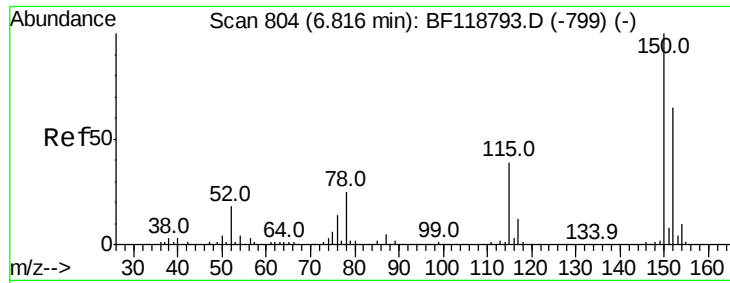
Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

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Quant Time: Feb 13 00:29:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

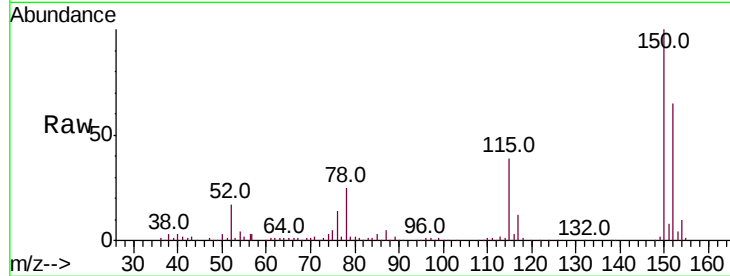
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.6	185.4
115	59.5	48.2	72.2

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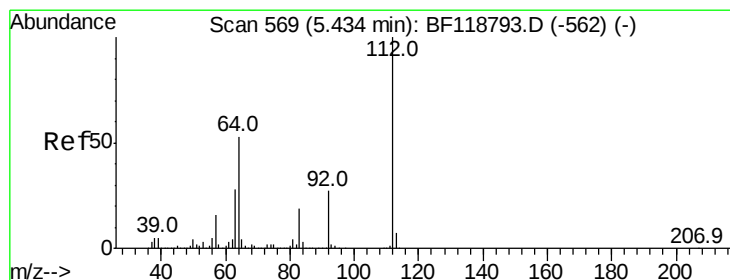
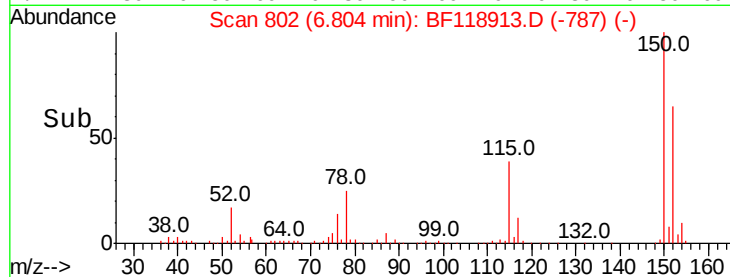
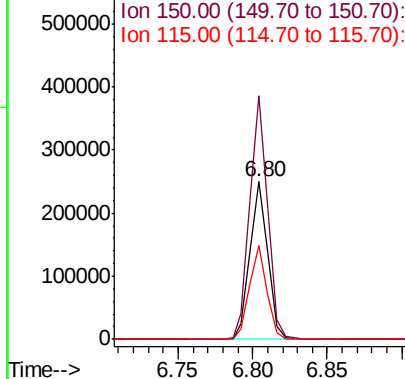


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

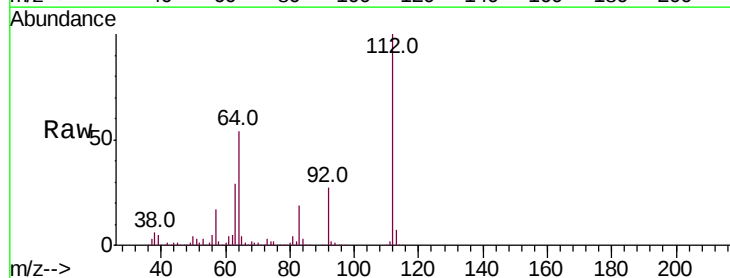
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.118 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.6	63.8
63	28.6	22.2	33.4

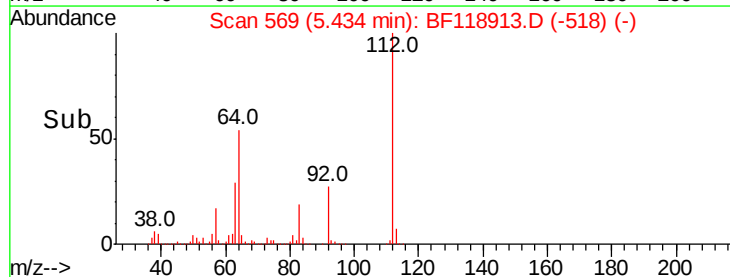
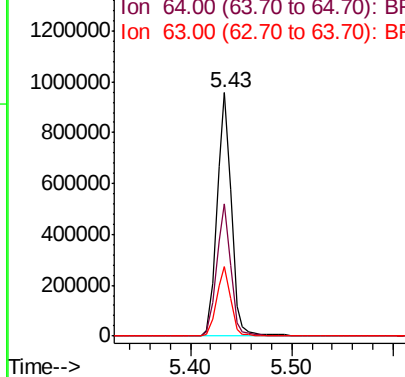


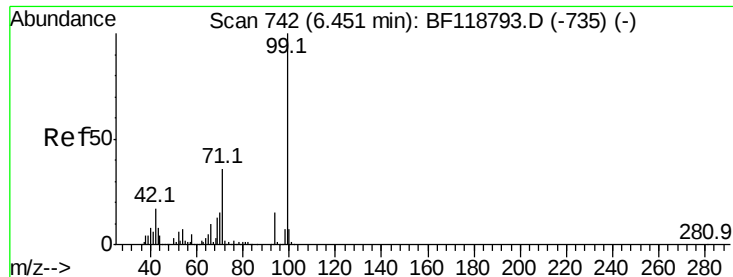
Abundance

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: 84.837 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Instrument :

BNA_F

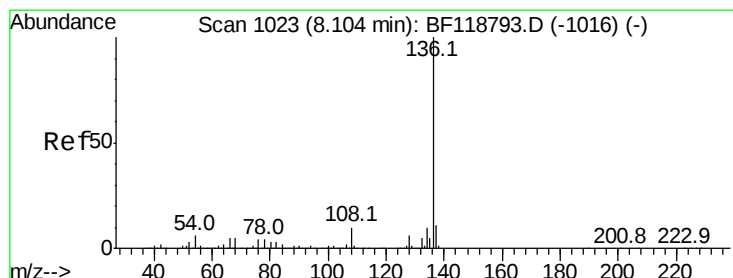
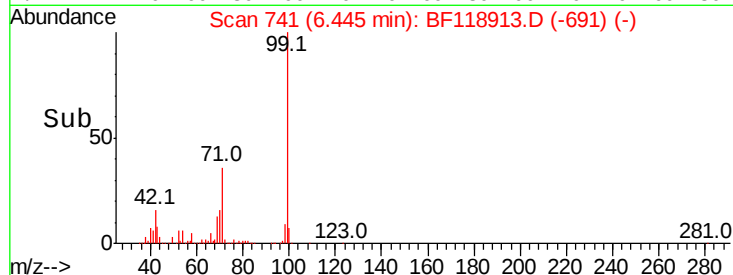
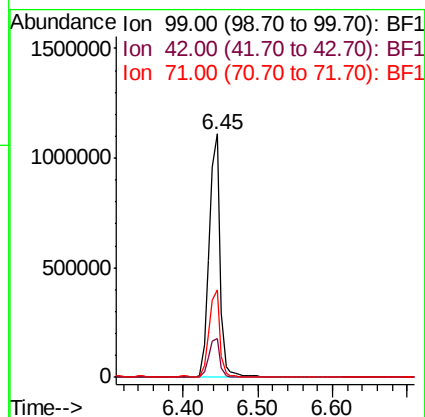
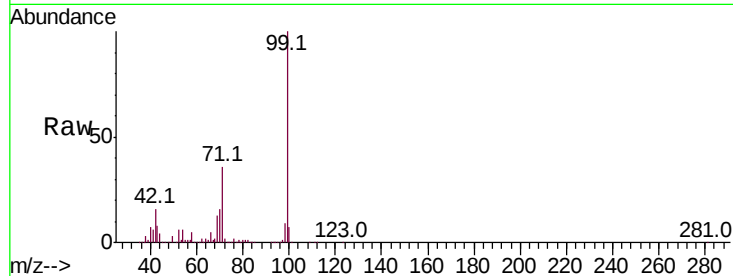
ClientSampleId :

SB-2A-(13.5-15.5)

Tot Ion	99	Resp	1136735
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.4	20.0
71	36.1	29.0	43.6

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#21

Naphthalene-d8

Concen: 20.000 ng

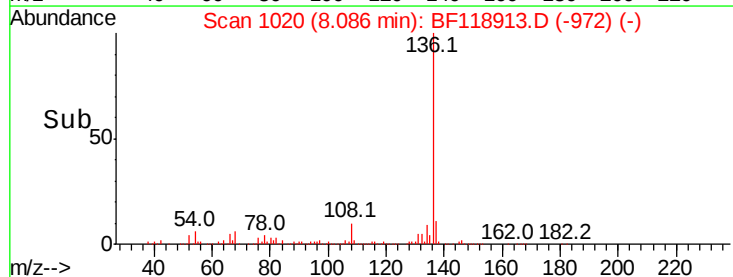
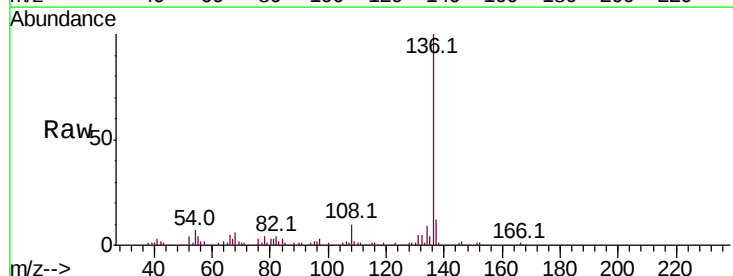
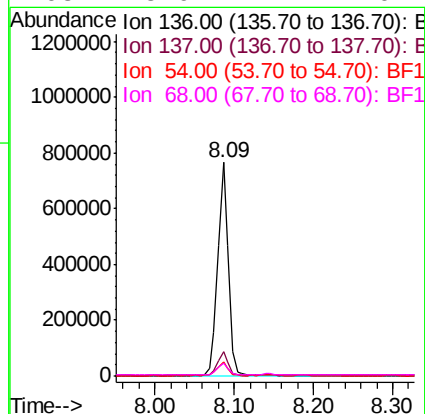
RT: 8.09 min Scan# 1020

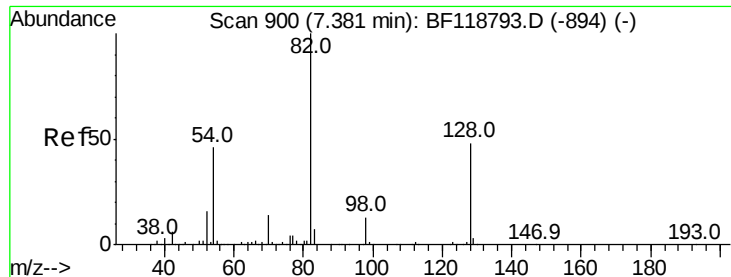
Delta R.T. -0.02 min

Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Tgt Ion	136	Resp	716227
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	6.5	5.0	7.6
68	5.9	4.2	6.4





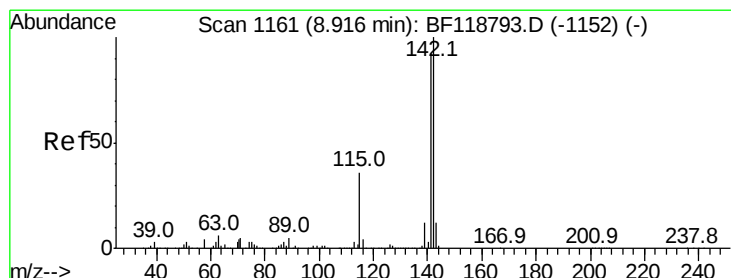
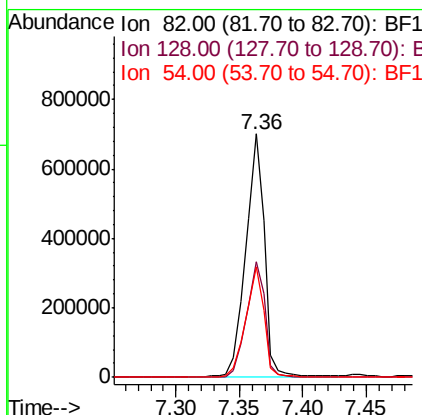
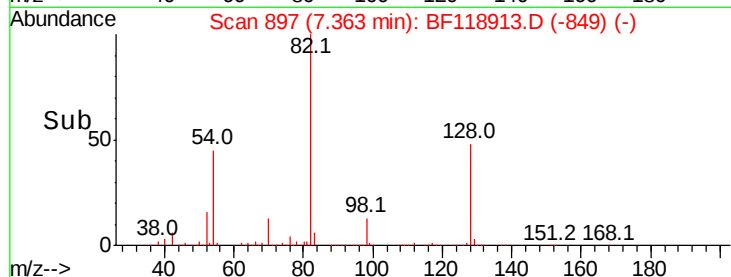
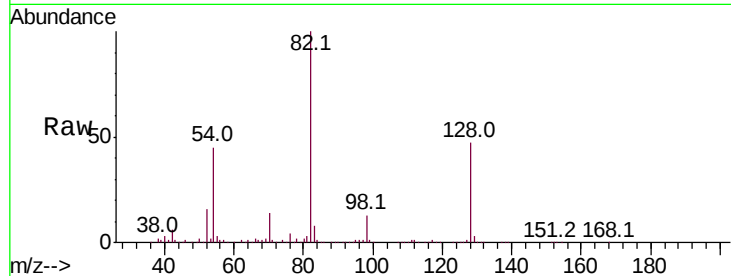
#23
Nitrobenzene-d5
Concen: 58.955 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	38.5	57.7
54	45.5	36.7	55.1

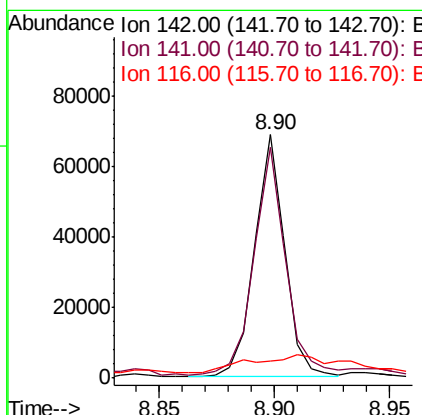
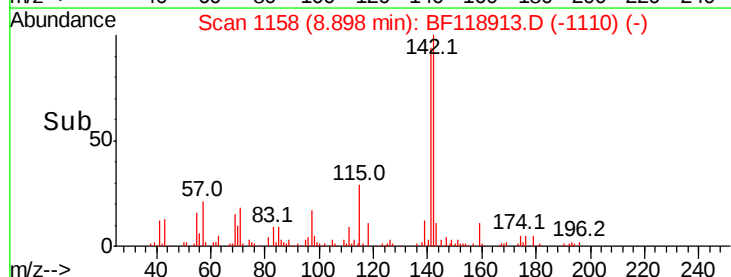
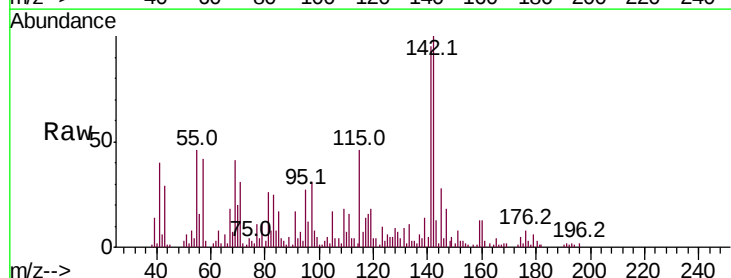
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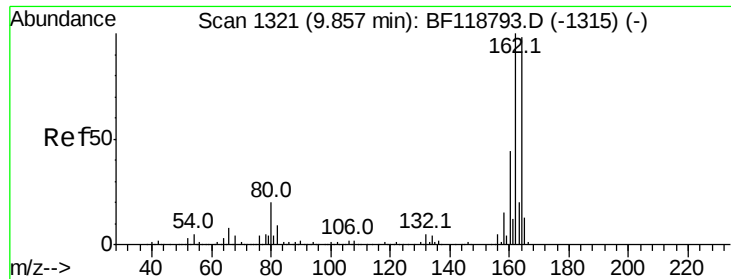
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#38
1-Methylnaphthalene
Concen: 2.939 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	73.8	110.6
116	7.2	3.0	4.4#





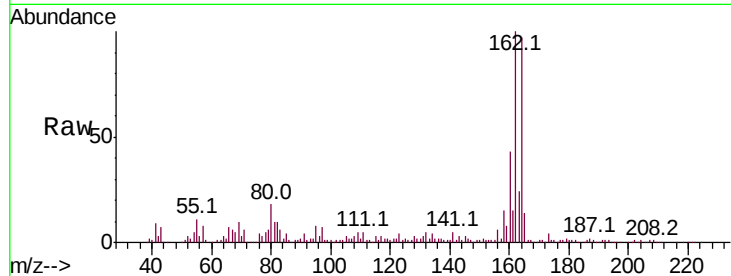
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.4	122.2
160	44.2	35.6	53.4

Manual Integrations
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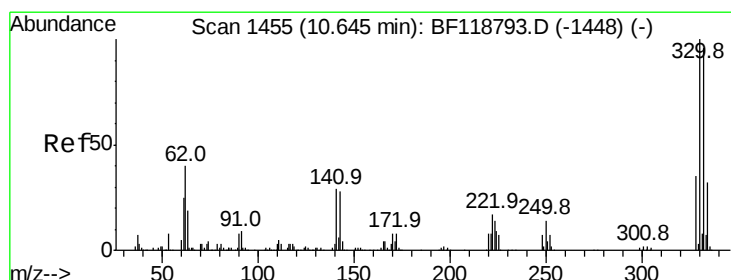
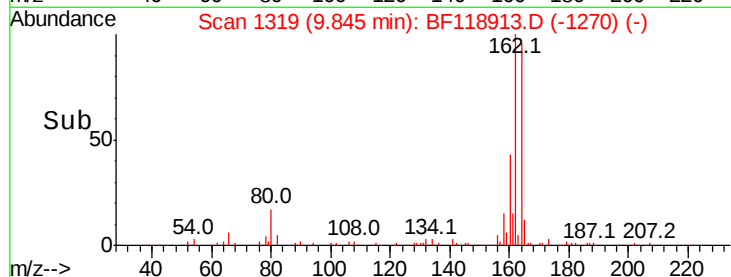
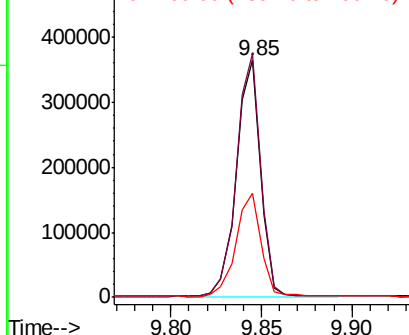


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 75.830 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

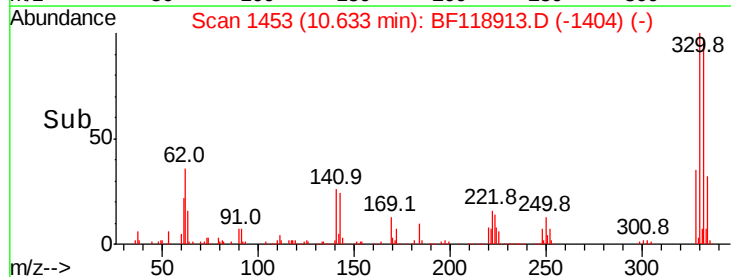
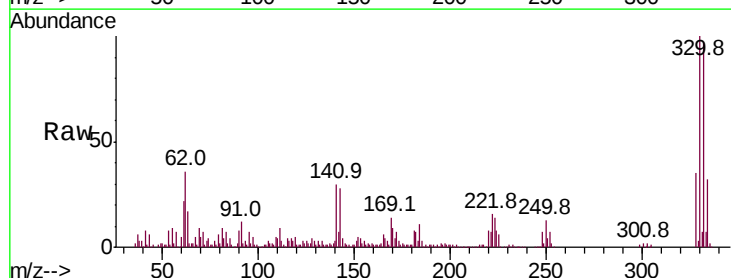
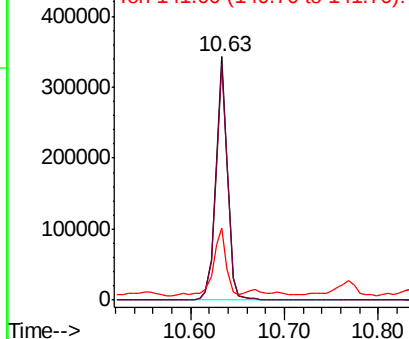
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	29.9	22.4	33.6

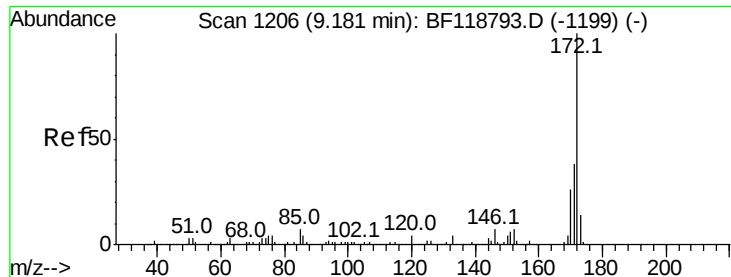
Abundance

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





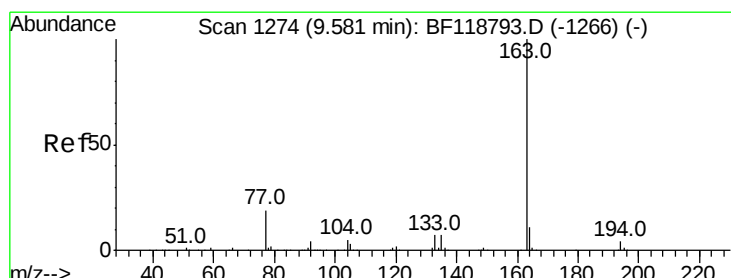
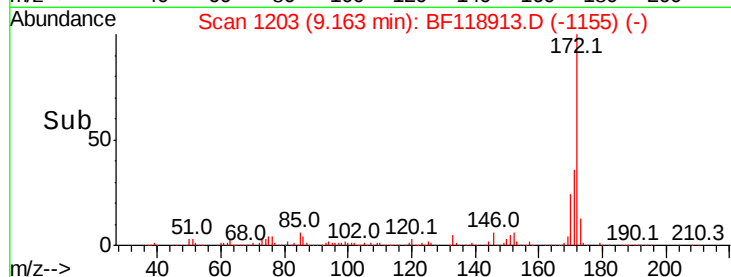
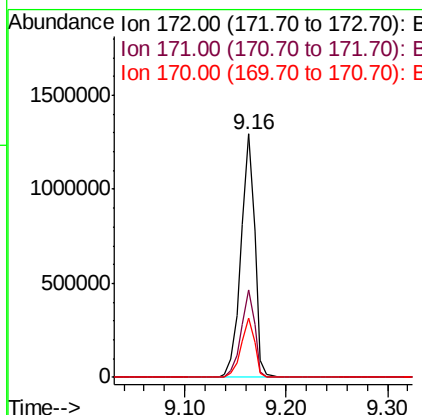
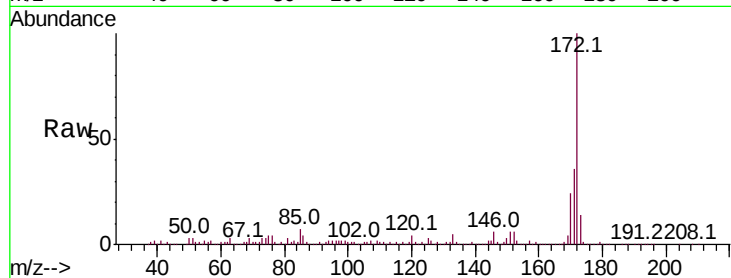
#45
2-Fluorobiphenyl
Concen: 65.096 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.8	46.2
170	24.2	20.5	30.7

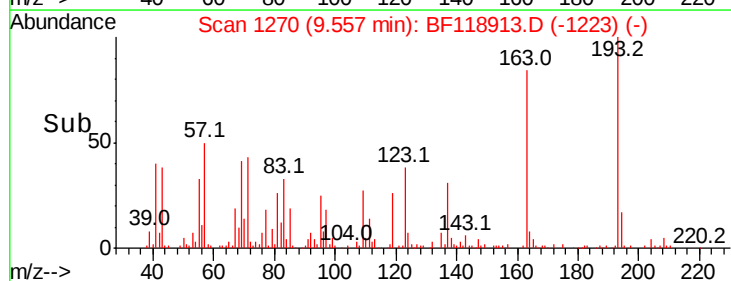
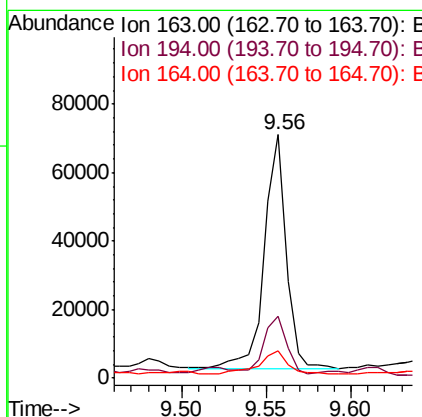
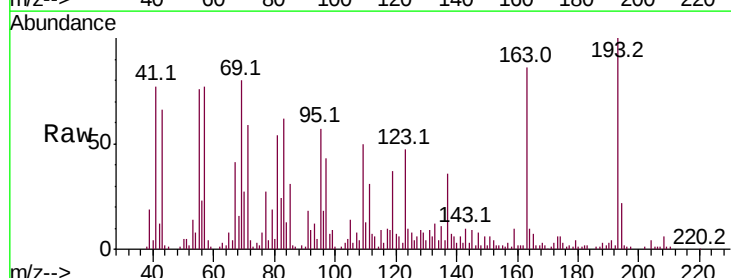
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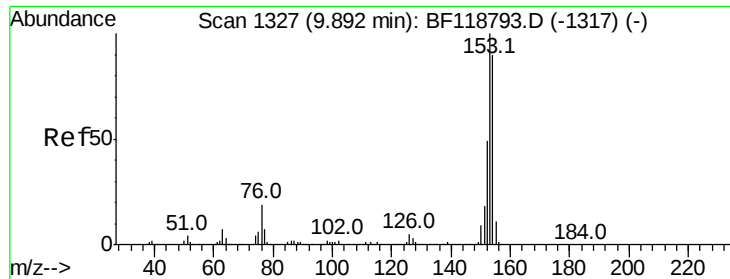
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#50
Dimethylphthalate
Concen: 2.702 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	25.3	3.6	5.4#
164	11.1	8.7	13.1





#52

Acenaphthene

Concen: 5.024 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Instrument :

BNA_F

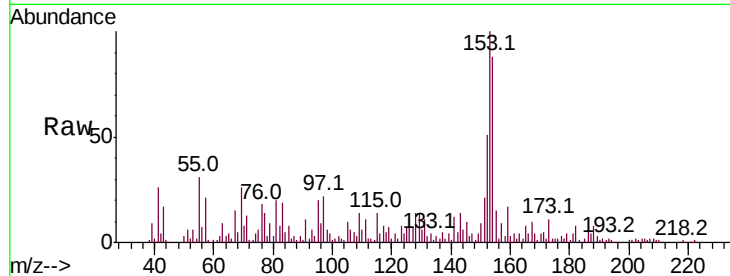
ClientSampleId :

SB-2A-(13.5-15.5)

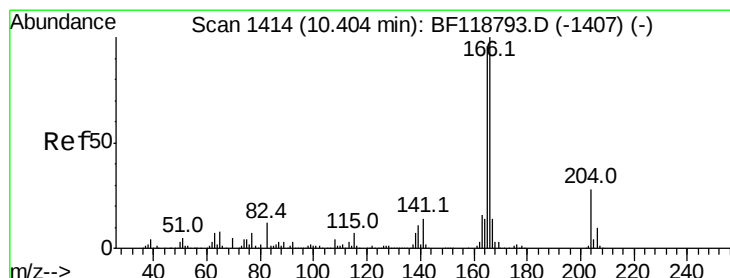
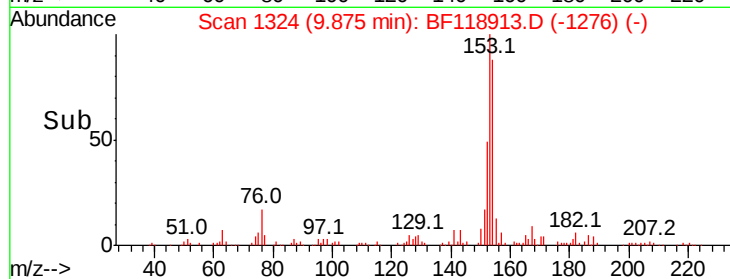
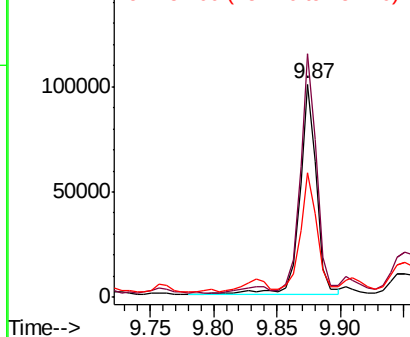
Tot Ion:	154	Resp:	92330
Ion Ratio	Lower	Upper	
154	100		
153	114.1	89.4	134.0
152	58.3	43.6	65.4

Manual Integrations
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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



#58

Fluorene

Concen: 5.445 ng

RT: 10.39 min Scan# 1412

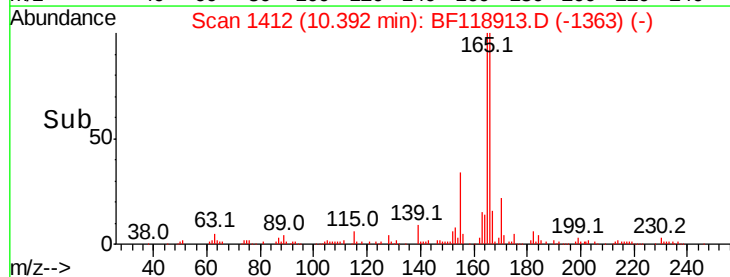
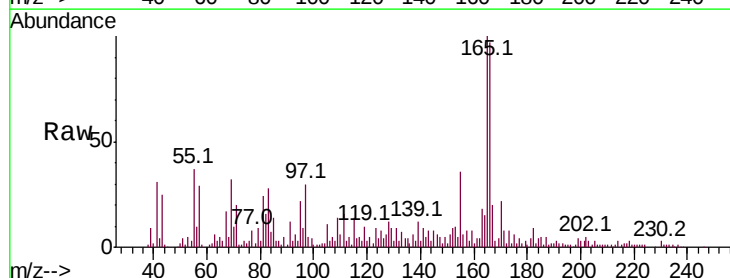
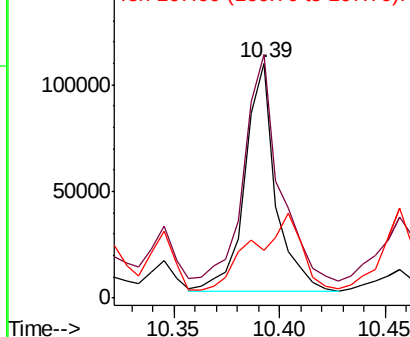
Delta R.T. -0.01 min

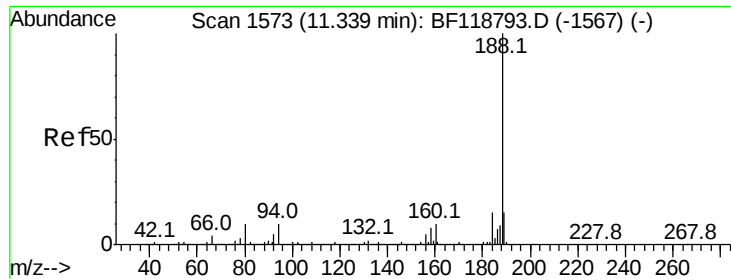
Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Tgt Ion:	166	Resp:	108793
Ion Ratio	Lower	Upper	
166	100		
165	103.5	77.0	115.6
167	20.4	11.1	16.7#

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





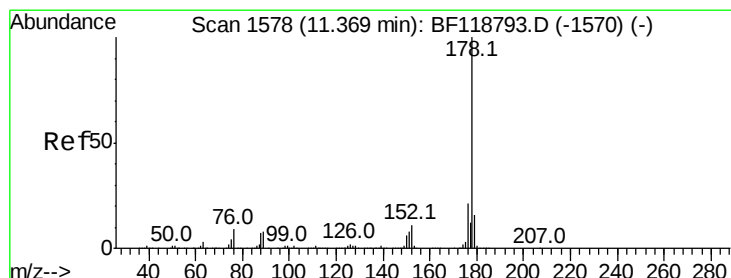
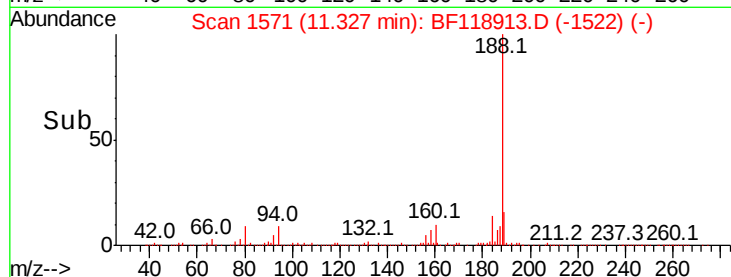
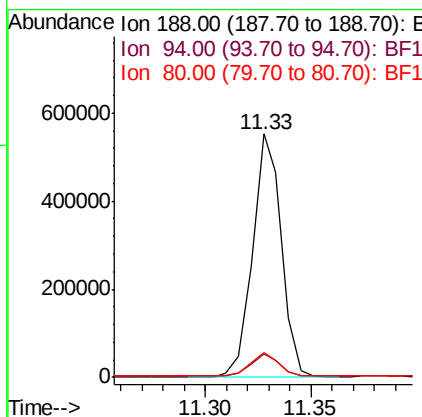
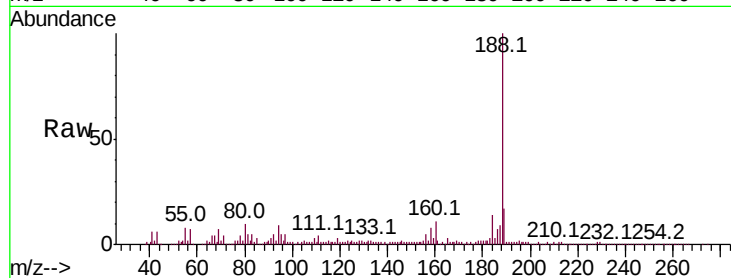
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	521174		
94	9.5	7.9	11.9	
80	10.1	8.4	12.6	

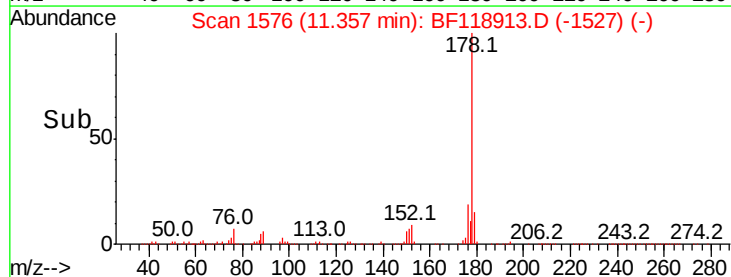
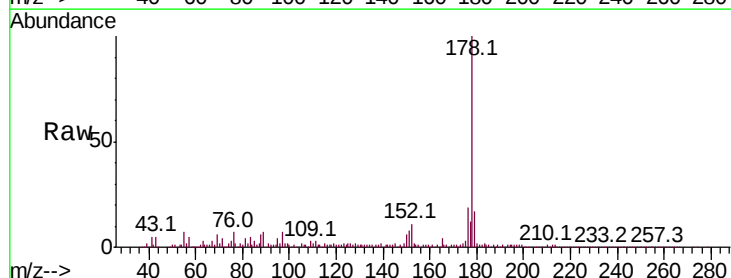
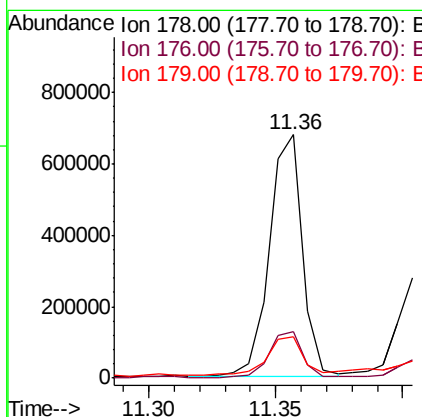
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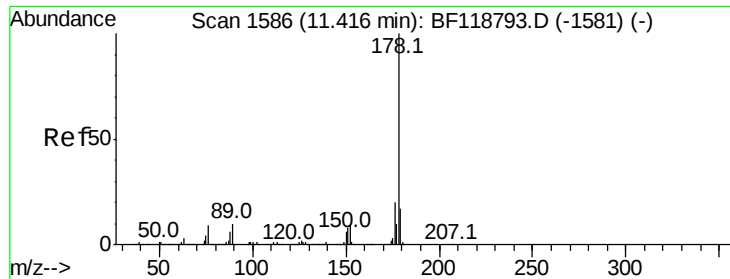
mohammad
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#71
Phenanthrene
Concen: 24.058 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	616896		
176	19.2	16.6	24.8	
179	16.7	13.2	19.8	





#72

Anthracene

Concen: 9.377 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Instrument :

BNA_F

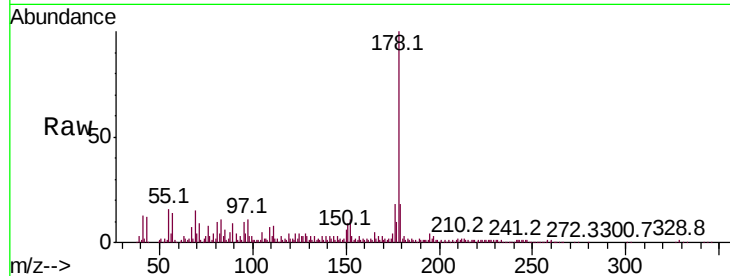
ClientSampleId :

SB-2A-(13.5-15.5)

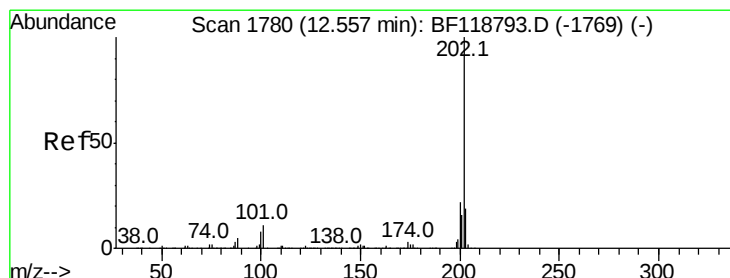
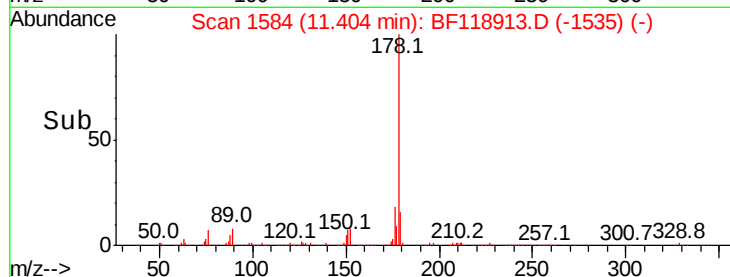
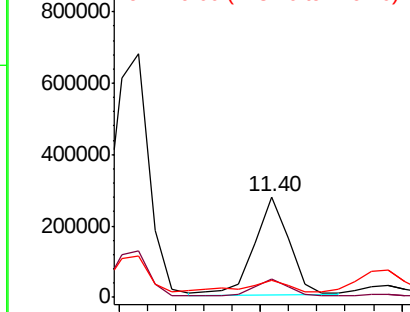
Tot Ion:	178	Resp:	239199
Ion Ratio	Lower	Upper	
178	100		
176	18.2	16.2	24.2
179	17.6	13.4	20.2

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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



#75

Fluoranthene

Concen: 33.620 ng

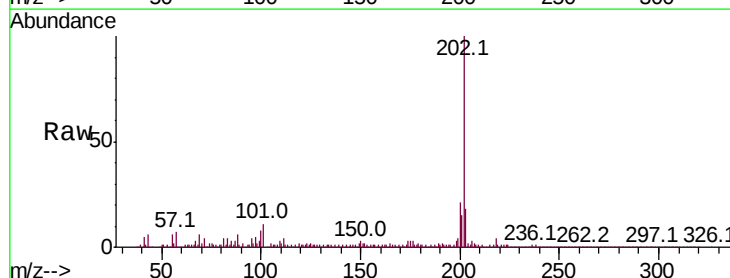
RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

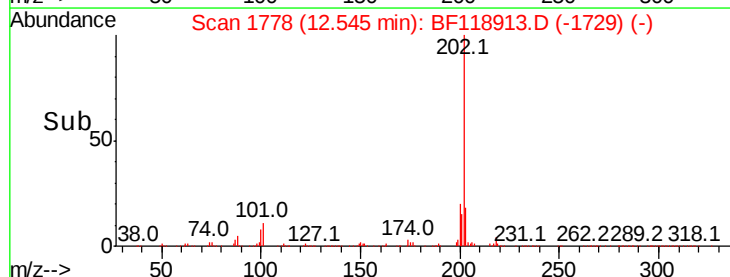
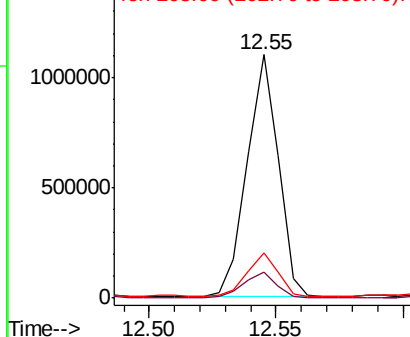
Lab File: BF118913.D

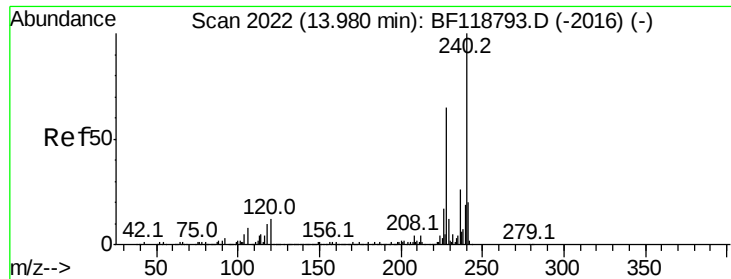
Acq: 12 Feb 2020 13:42

Tgt Ion:	202	Resp:	941262
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.0
203	18.3	0.0	38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Instrument :

BNA_F

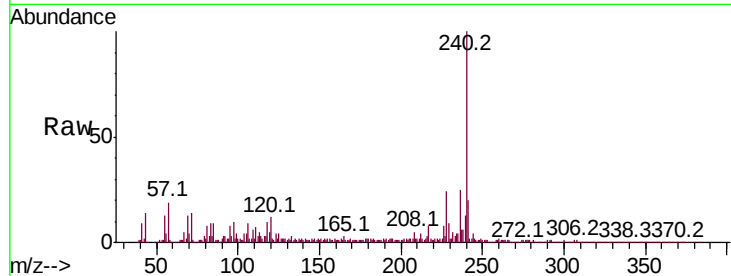
ClientSampleId :

SB-2A-(13.5-15.5)

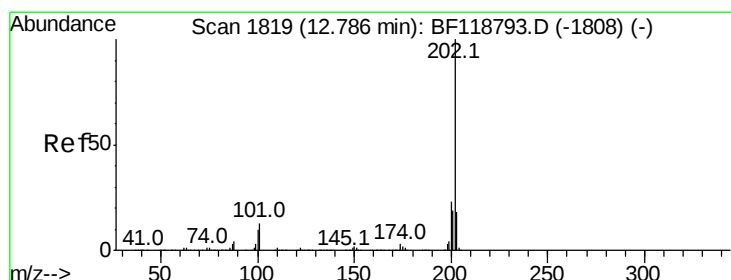
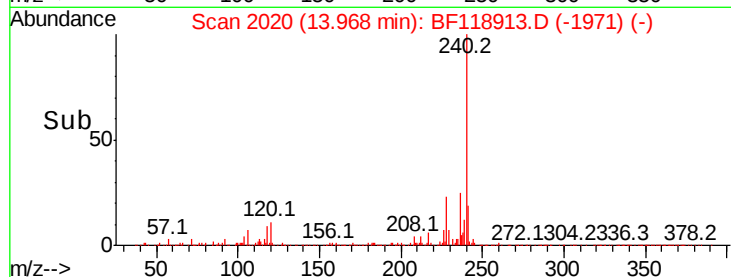
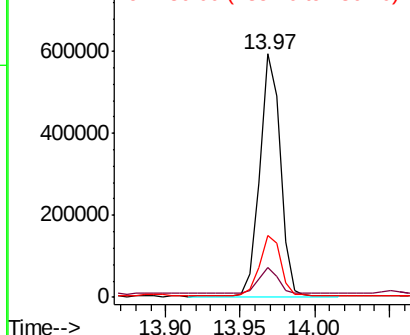
Tot Ion:	240	Resp:	556929
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.4	14.0
236	25.2	21.0	31.6

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 22.255 ng

RT: 12.77 min Scan# 1817

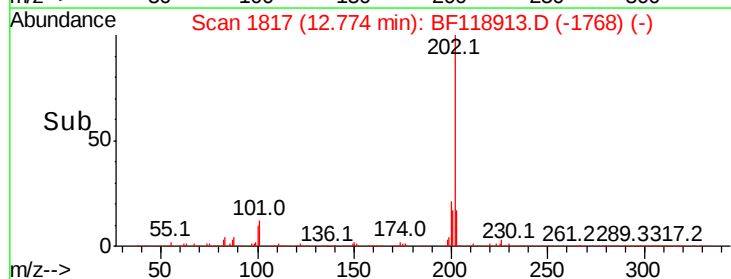
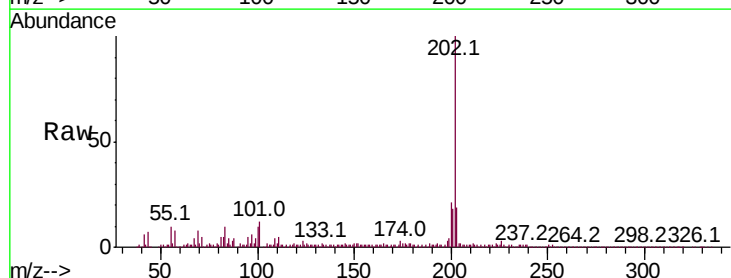
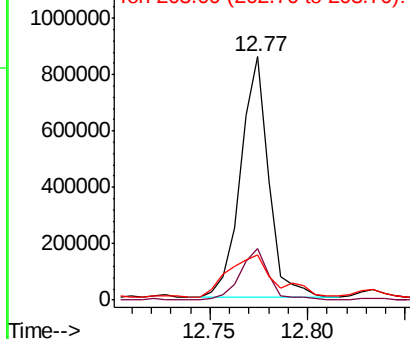
Delta R.T. -0.01 min

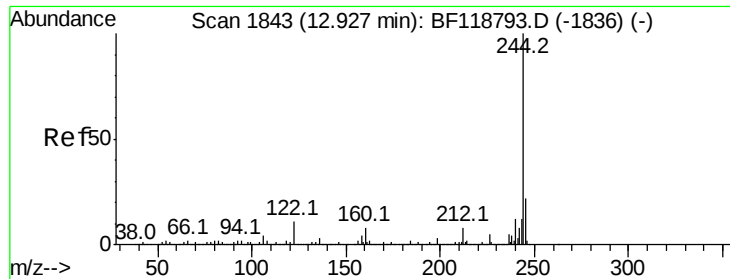
Lab File: BF118913.D

Acq: 12 Feb 2020 13:42

Tgt Ion:	202	Resp:	850274
Ion Ratio	Lower	Upper	
202	100		
200	21.2	18.2	27.2
203	18.7	14.8	22.2

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





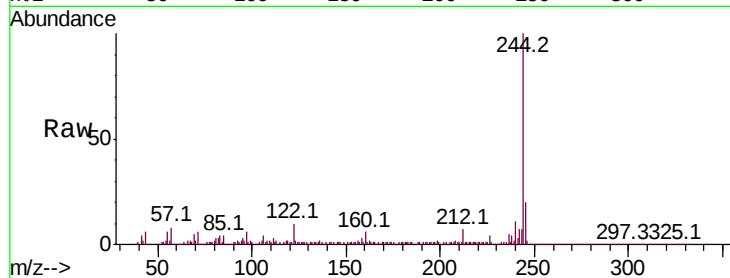
#79
 Terphenyl-d14
 Concen: 50.456 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118913.D
 Acq: 12 Feb 2020 13:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(13.5-15.5)

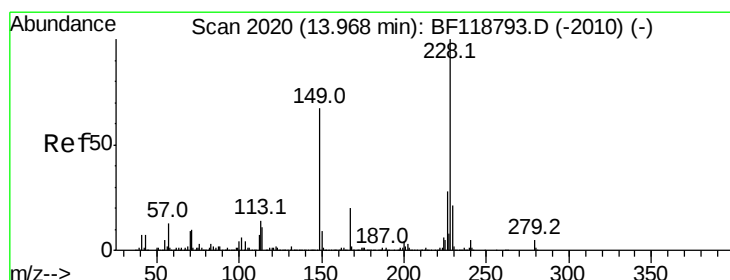
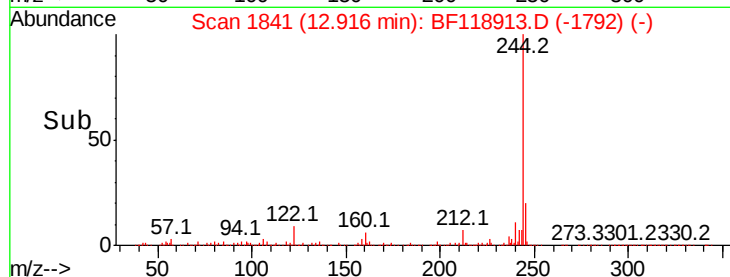
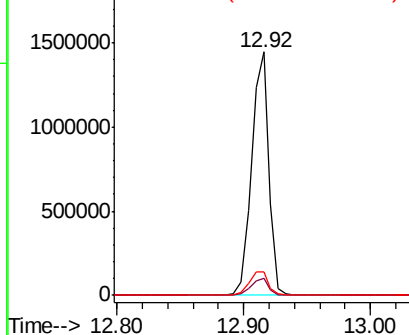
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.5	9.7
122	9.5	8.9	13.3

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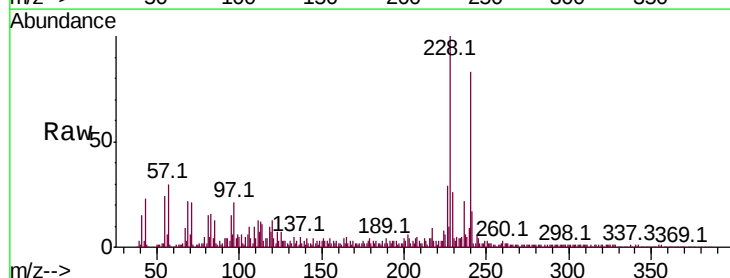


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

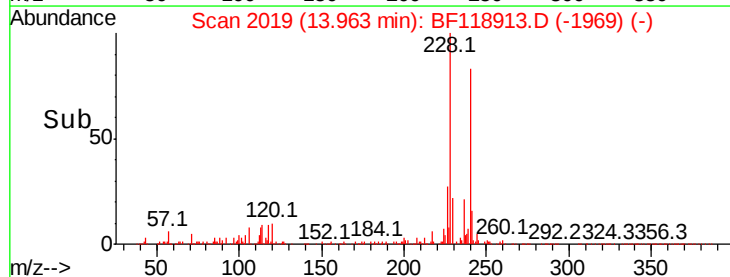
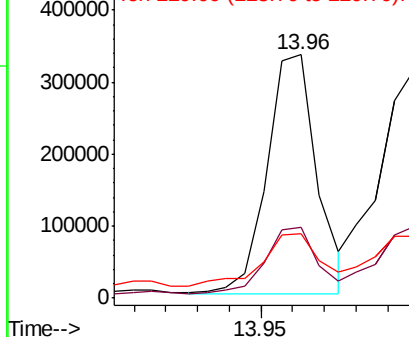


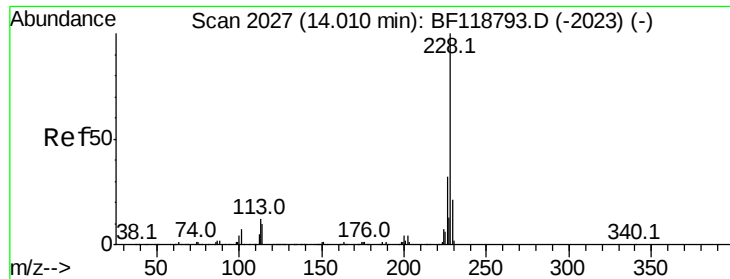
#81
 Benzo(a)anthracene
 Concen: 11.037 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF118913.D
 Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.7	34.1
229	26.4	16.6	25.0



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





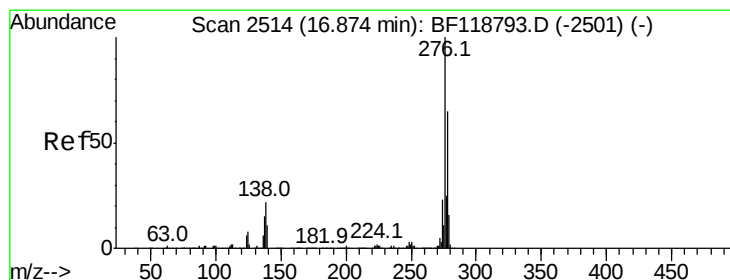
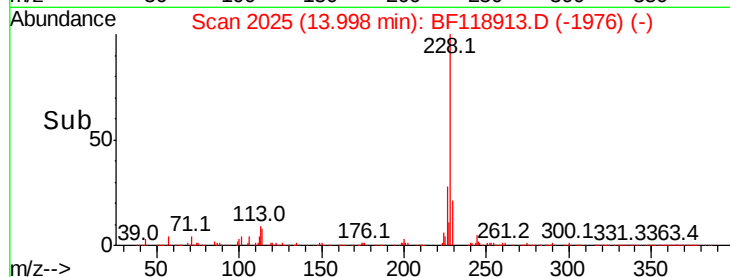
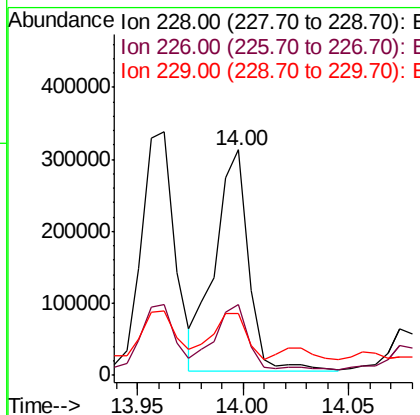
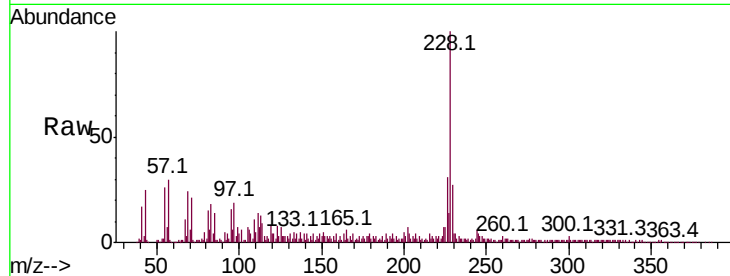
#83
Chrysene
Concen: 10.208 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	27.3	16.9	25.3#

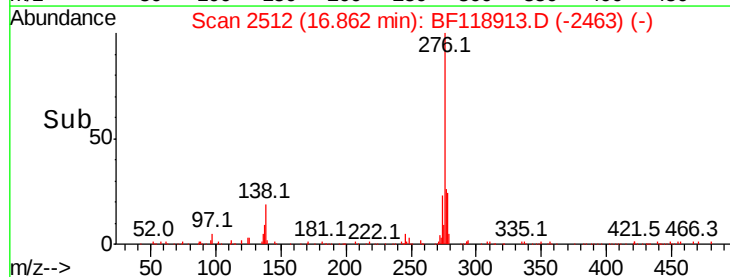
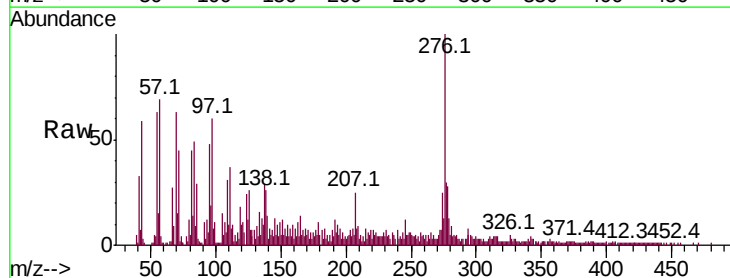
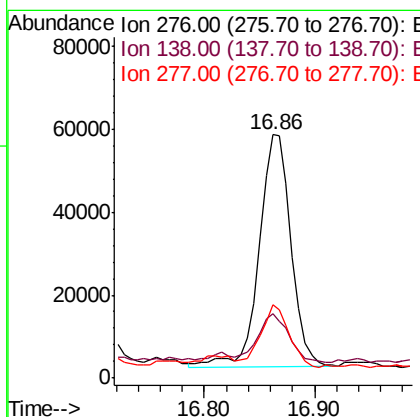
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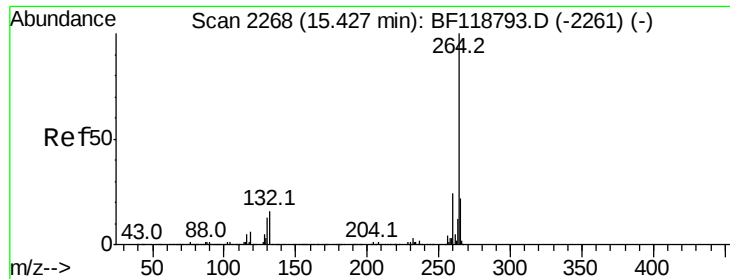
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.382 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	18.3	27.5
277	24.4	20.2	30.4





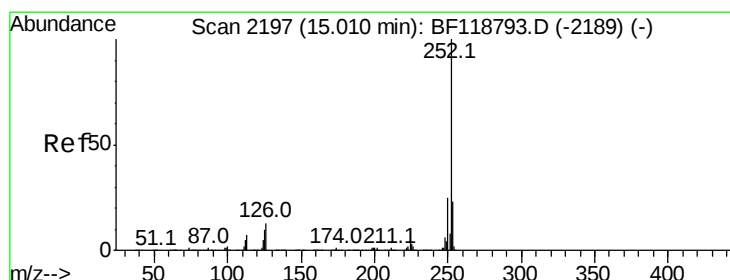
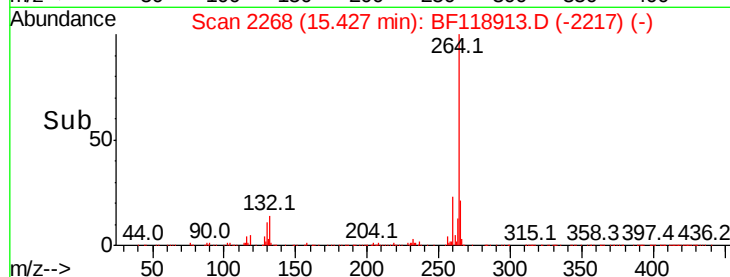
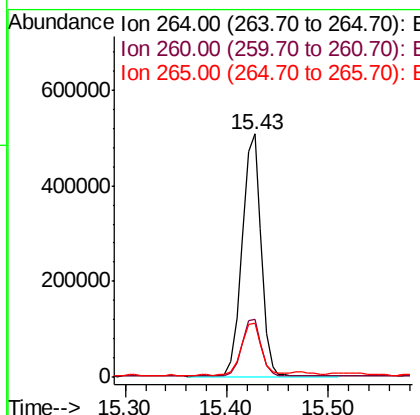
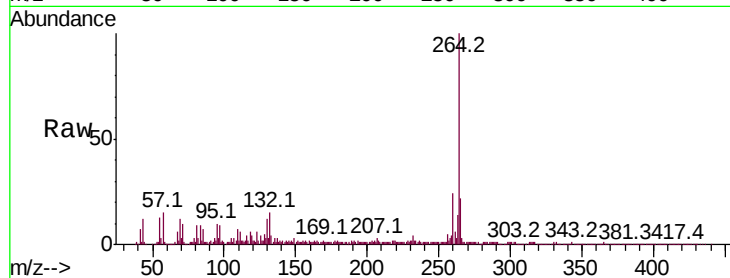
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	22.3	17.2	25.8

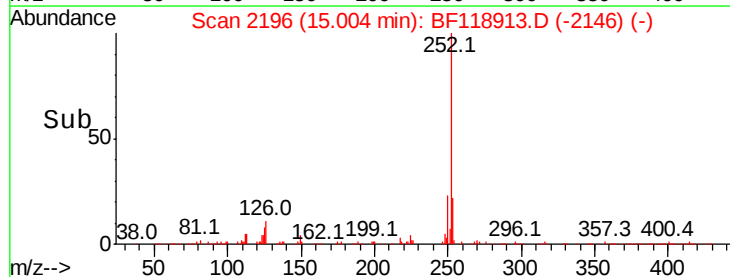
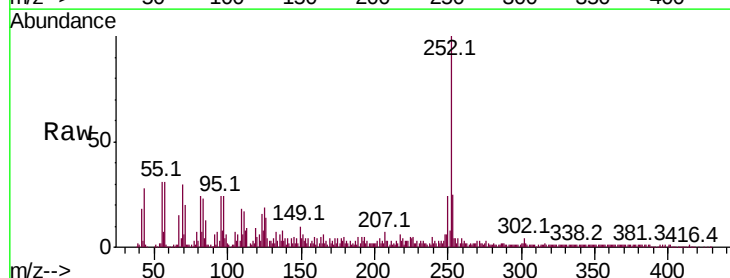
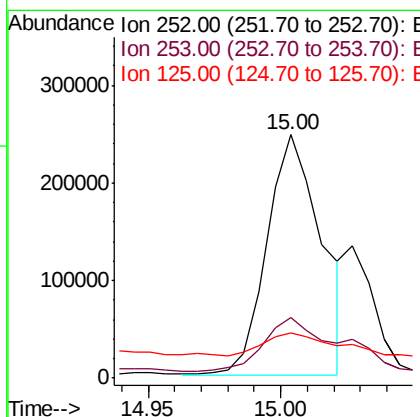
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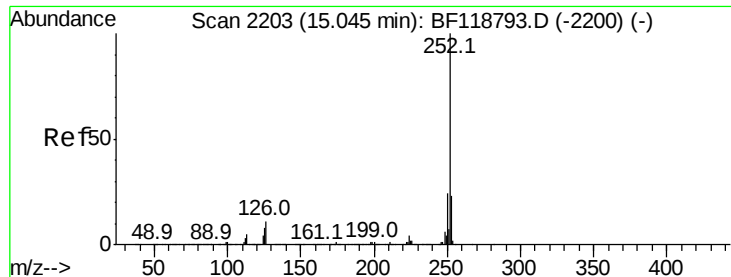
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#88
Benzo(b)fluoranthene
Concen: 8.652 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	18.8	8.1	12.1#





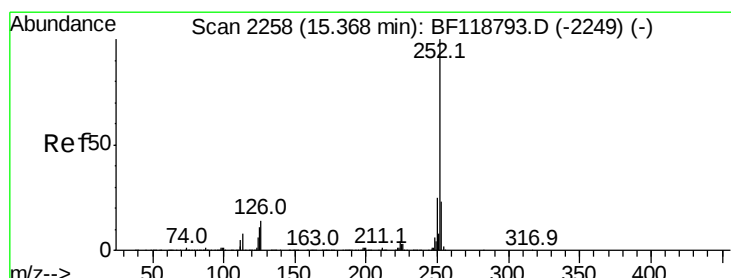
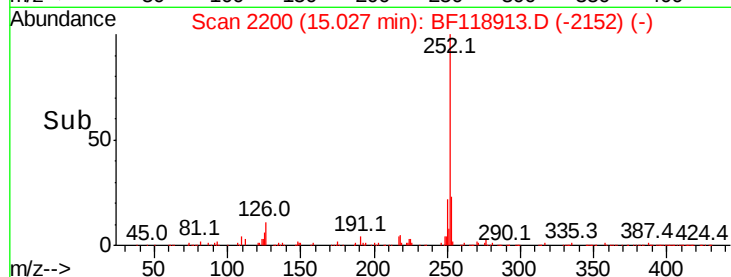
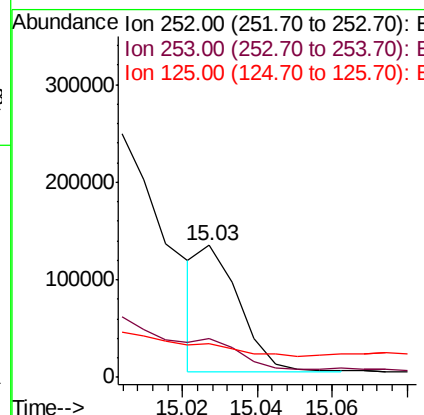
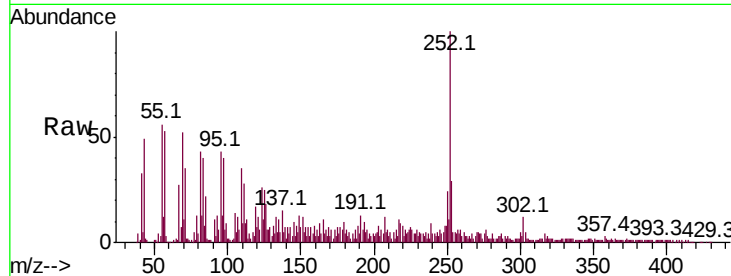
#89
Benzo(k)fluoranthene
Concen: 2.696 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Instrument :
BNA_F
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.4	18.2	27.4#
125	25.1	7.0	10.6#

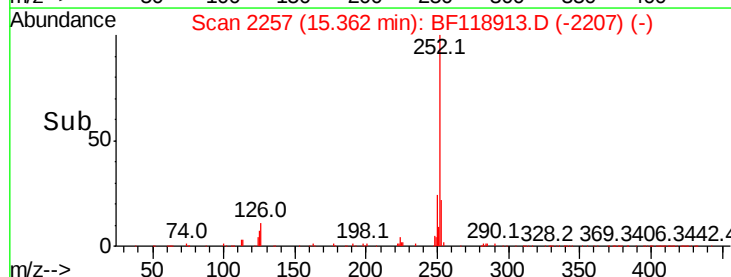
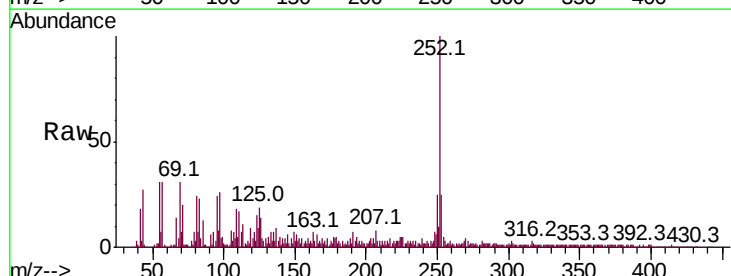
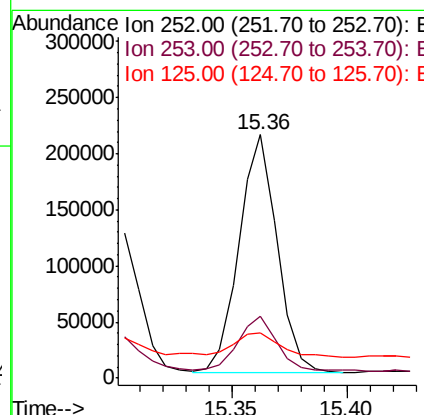
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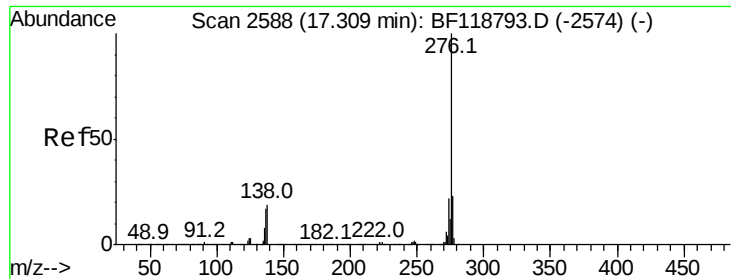
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#90
Benzo(a)pyrene
Concen: 7.011 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118913.D
Acq: 12 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.1	27.1
125	18.5	8.7	13.1#





#92
 Benzo(a,h,i)perylene
 Concen: 3.288 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. -0.01 min
 Lab File: BF118913.D
 Acq: 12 Feb 2020 13:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.7	28.1#
138	27.8	15.4	23.2#

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