

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118452.D
 Acq On : 2 Jan 2020 23:02
 Operator : JU
 Sample : K6464-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

Manual Integrations
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Quant Time: Jan 03 04:13:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	72558	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	292797	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	148039	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	284237	20.00	ng	0.00
76) Chrysene-d12	14.04	240	195014	20.00	ng	0.00
87) Perylene-d12	15.53	264	225450	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	97020	22.82	ng	0.00
7) Phenol-d6	6.48	99	123263	23.38	ng	0.00
23) Nitrobenzene-d5	7.41	82	77254	15.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	38327	20.96	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	146153	15.07	ng	-0.01
79) Terphenyl-d14	12.97	244	141399	12.03	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	109750	7.375	ng	99
37) 2-Methylnaphthalene	8.85	142	31431	3.085	ng	94
38) 1-Methylnaphthalene	8.95	142	23018m	2.398	ng	
52) Acenaphthene	9.93	154	51238	6.019	ng	96
55) Dibenzofuran	10.10	168	74879	5.953	ng	99
58) Fluorene	10.45	166	54338	5.351	ng	94
71) Phenanthrene	11.42	178	764388	49.331	ng	98
72) Anthracene	11.46	178	108176	6.975	ng	98
73) Carbazole	11.62	167	47532	3.454	ng	98
75) Fluoranthene	12.61	202	539892	34.524	ng	98
78) Pyrene	12.84	202	456480	28.664	ng	99
81) Benzo(a)anthracene	14.03	228	207801	15.223	ng	99
83) Chrysene	14.07	228	190287	14.558	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	57556	5.168	ng	96
88) Benzo(b)fluoranthene	15.10	252	235275m	15.721	ng	
89) Benzo(k)fluoranthene	15.12	252	66462m	4.625	ng	
90) Benzo(a)pyrene	15.47	252	152351	11.556	ng	97
92) Benzo(g,h,i)perylene	17.50	276	51772	4.685	ng	97

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

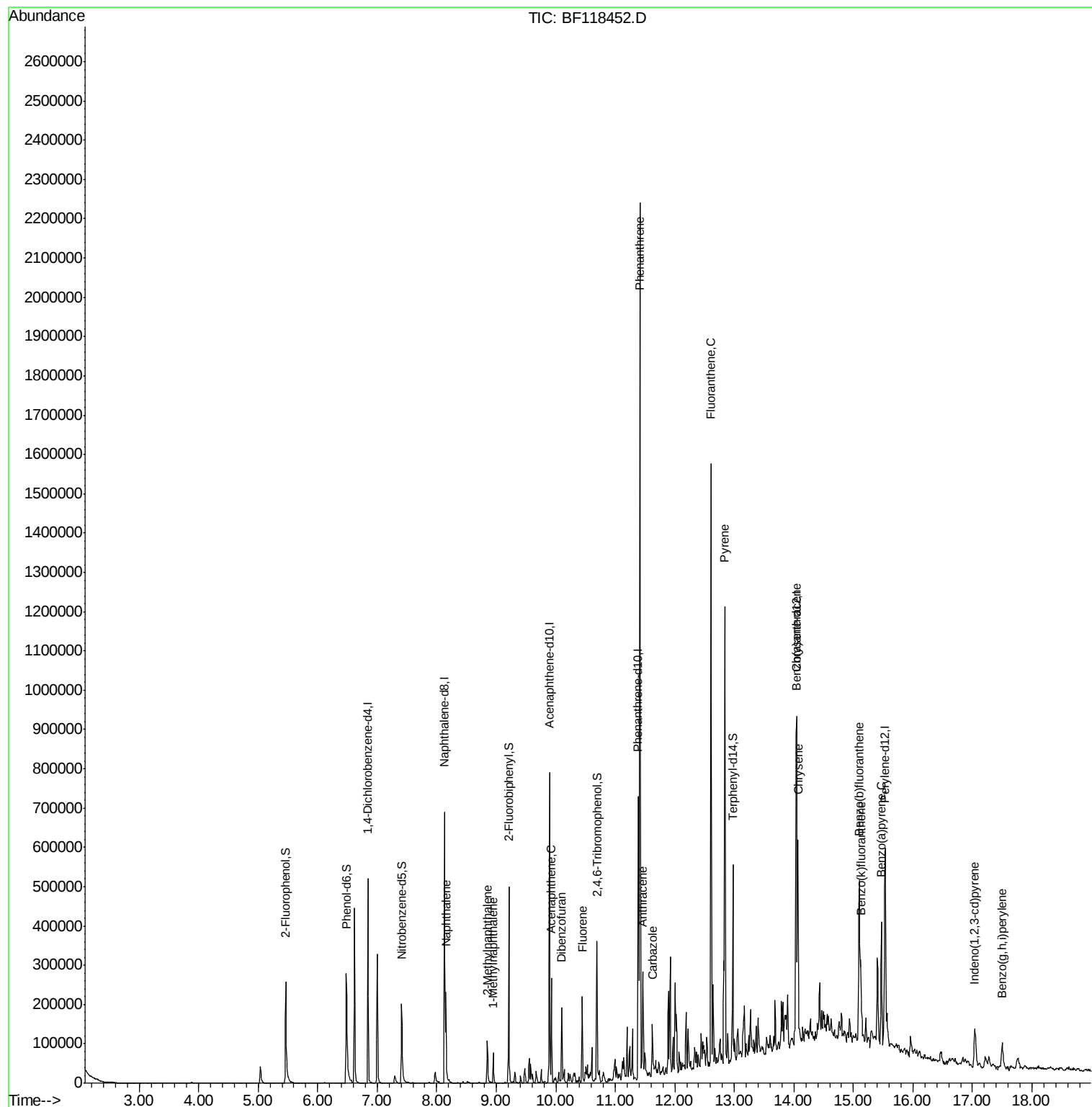
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118452.D
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Sample : K6464-02 5X
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ALS Vial : 23 Sample Multiplier: 1

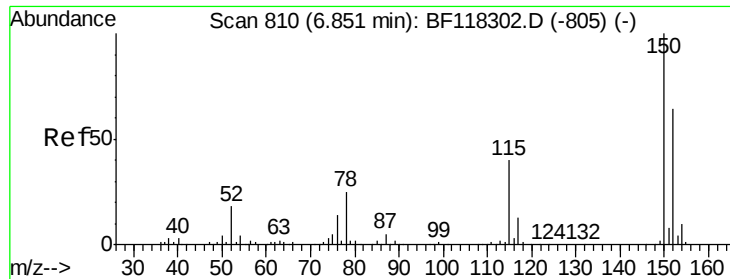
Instrument :
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SB-5-(8-10)

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Quant Time: Jan 03 04:13:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

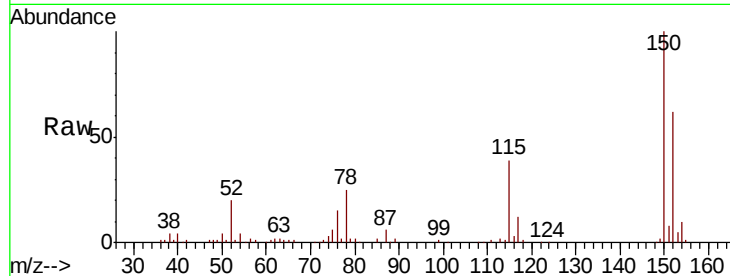
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	125.4	188.2
115	62.9	50.2	75.4

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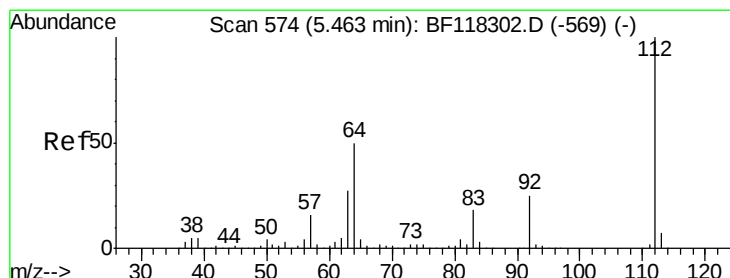
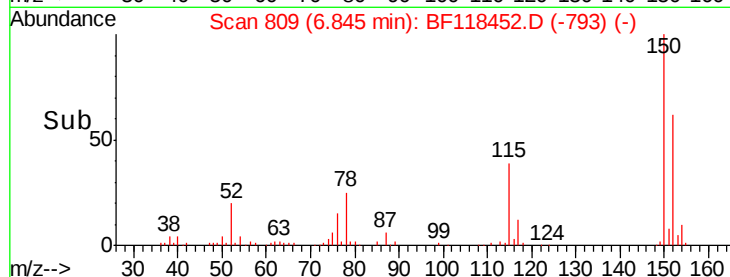
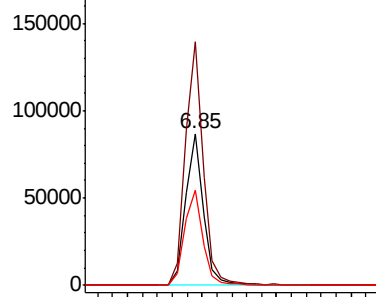


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

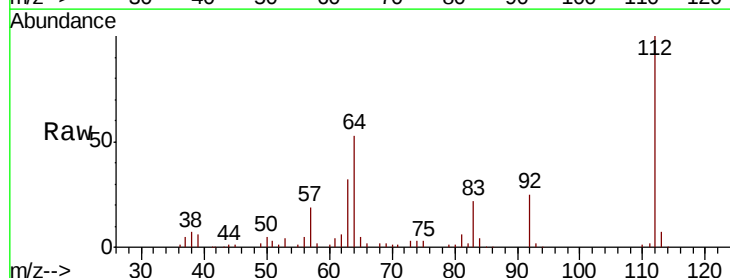
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.825 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	39.7	59.5
63	32.1	21.7	32.5

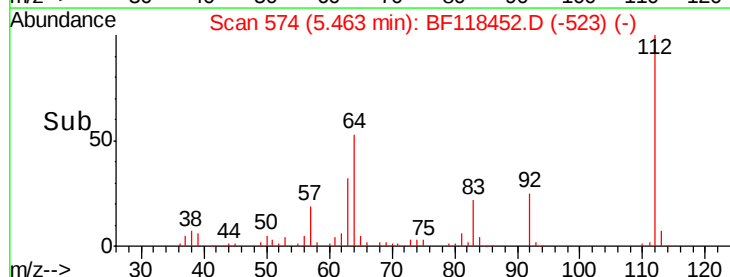
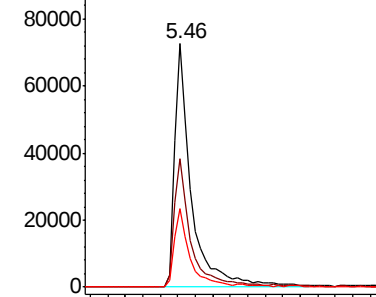


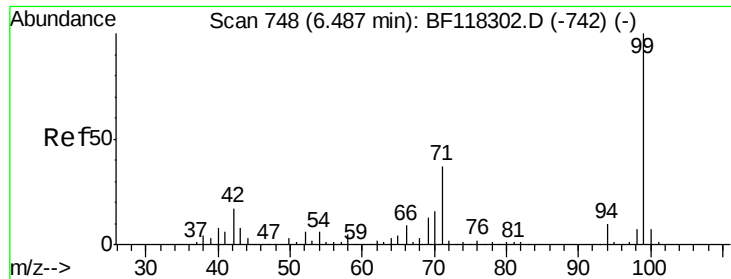
Abundance

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: 23.376 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118452.D

Acq: 2 Jan 2020 23:02

Instrument :

BNA_F

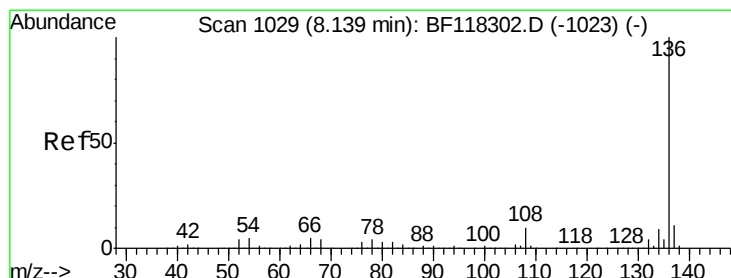
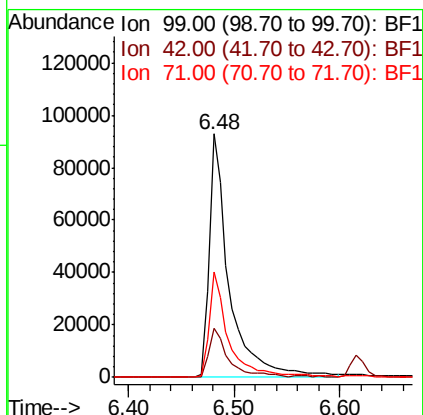
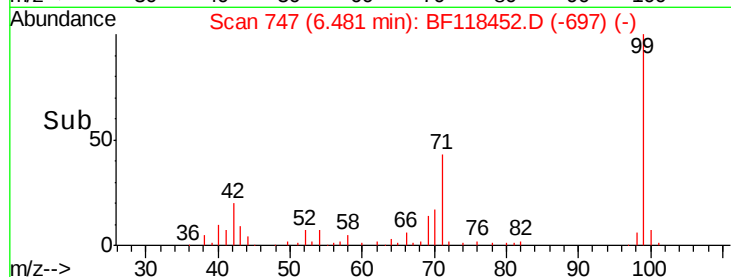
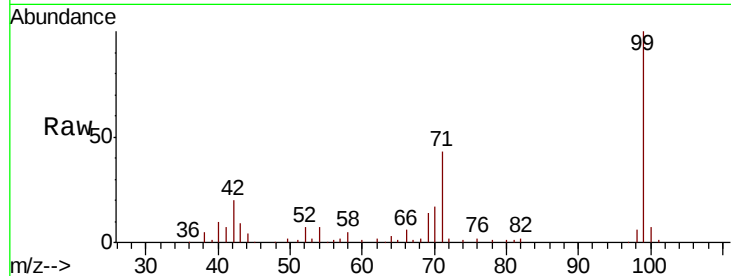
ClientSampleId :

SB-5-(8-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		123263		
42	20.1	13.5	20.3		
71	43.3	29.4	44.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

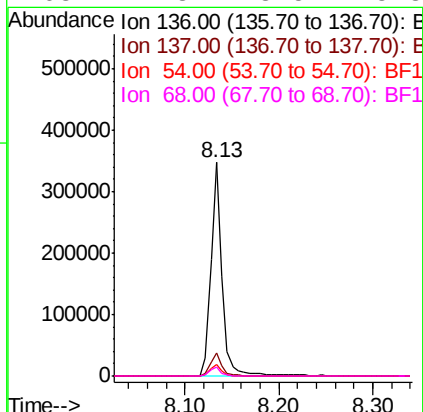
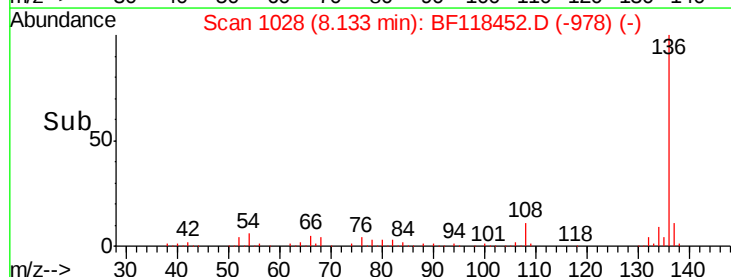
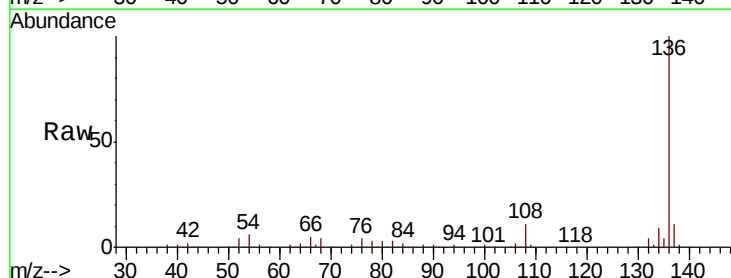
RT: 8.13 min Scan# 1028

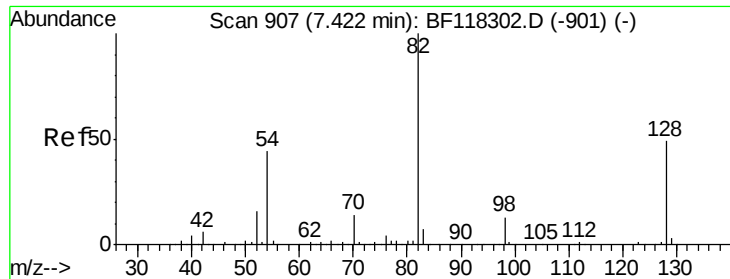
Delta R.T. -0.01 min

Lab File: BF118452.D

Acq: 2 Jan 2020 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		292797		
137	11.1	8.9	13.3		
54	5.6	4.2	6.4		
68	4.3	3.5	5.3		





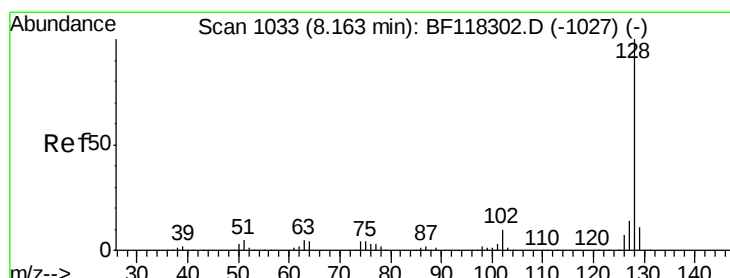
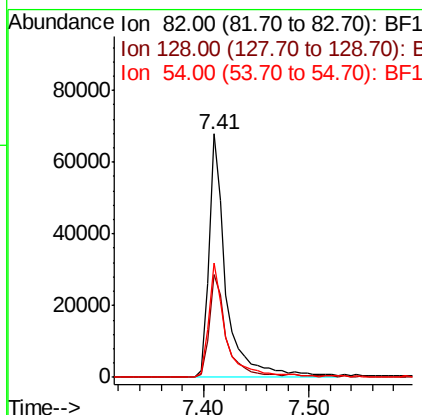
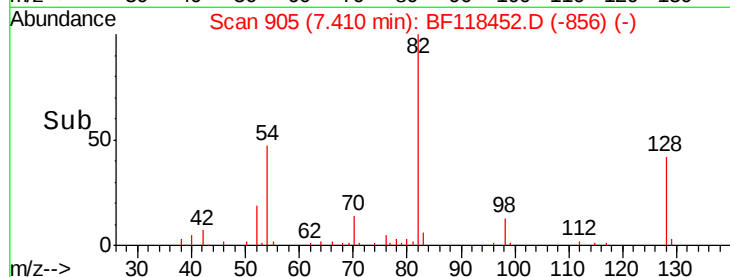
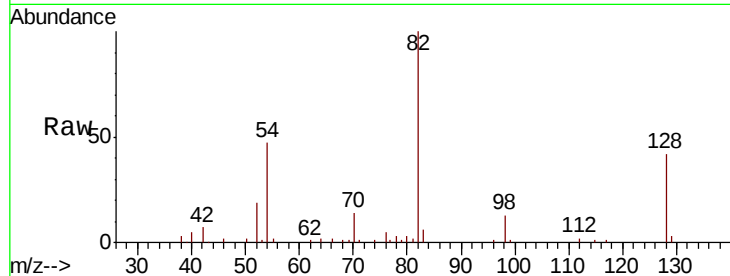
#23
Nitrobenzene-d5
Concen: 15.091 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	39.6	59.4
54	46.8	34.9	52.3

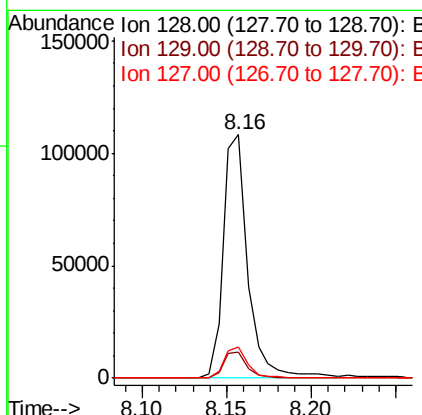
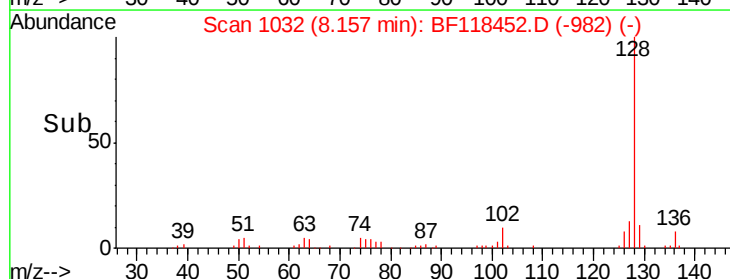
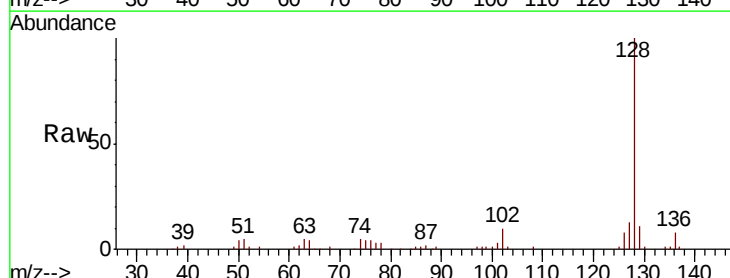
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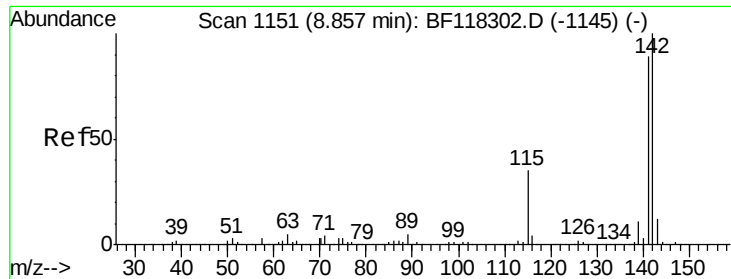
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#31
Naphthalene
Concen: 7.375 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.9	11.0	16.4





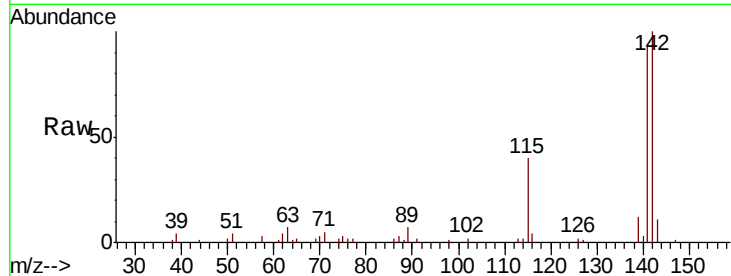
#37
2-Methylnaphthalene
Concen: 3.085 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.4	71.2	106.8
115	40.2	28.0	42.0

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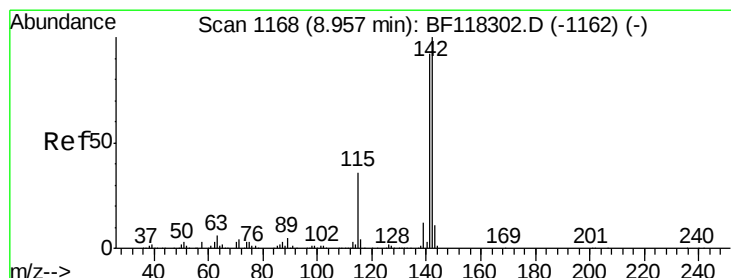
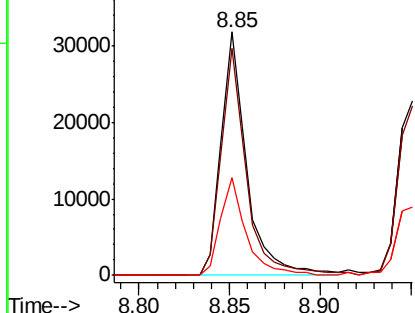
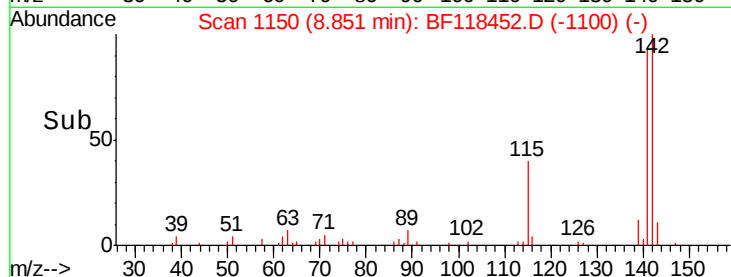


Abundance

Ion 142.00 (141.70 to 142.70): E

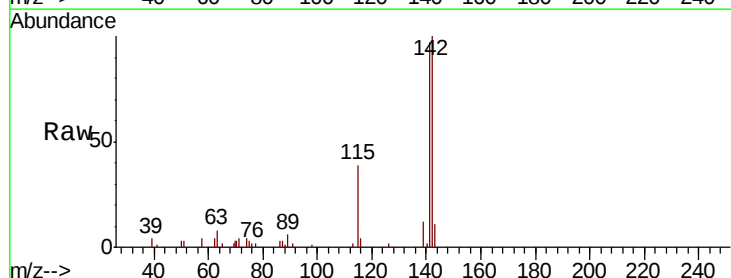
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 2.398 ng m
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.9	73.4	110.2
116	4.4	2.9	4.3#

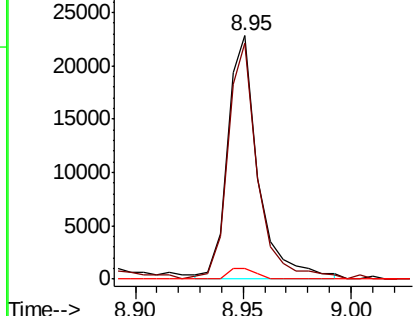
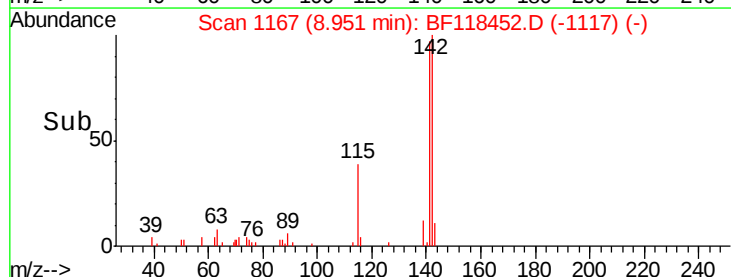


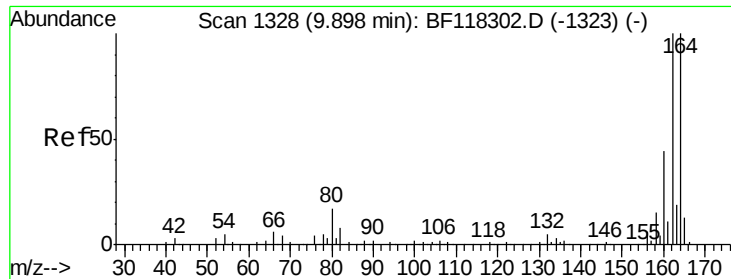
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





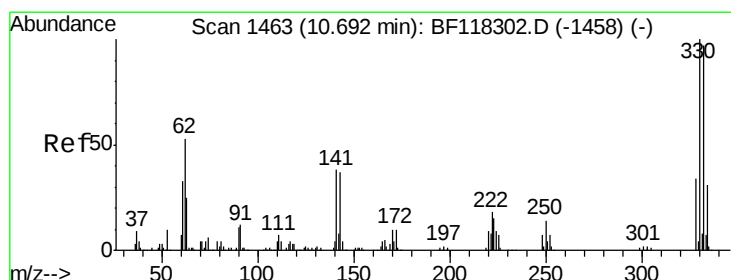
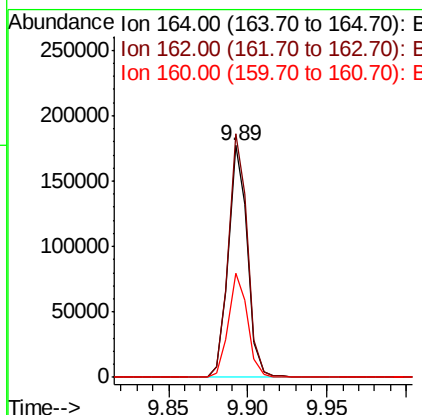
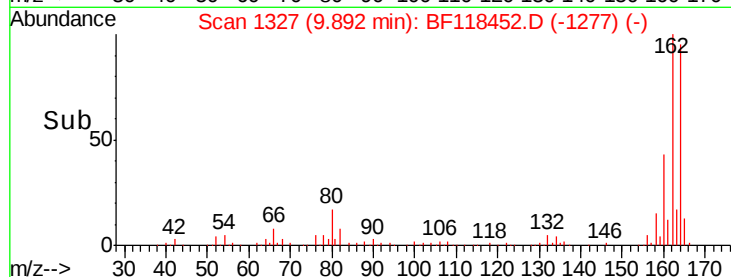
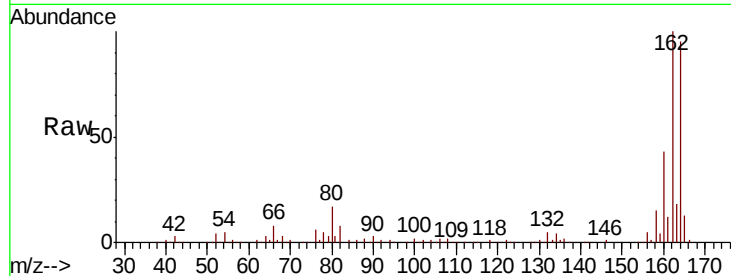
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	80.0	120.0
160	45.0	34.8	52.2

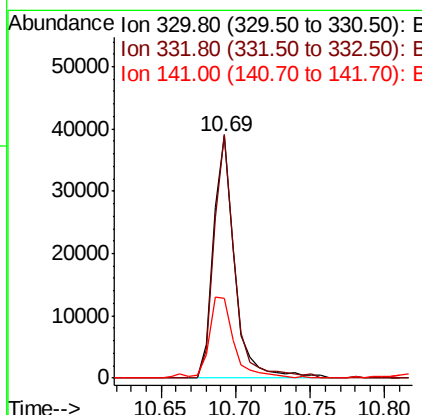
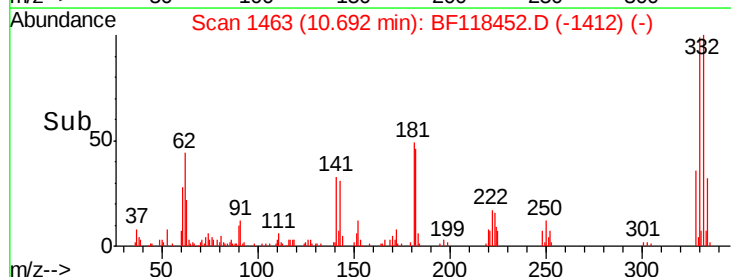
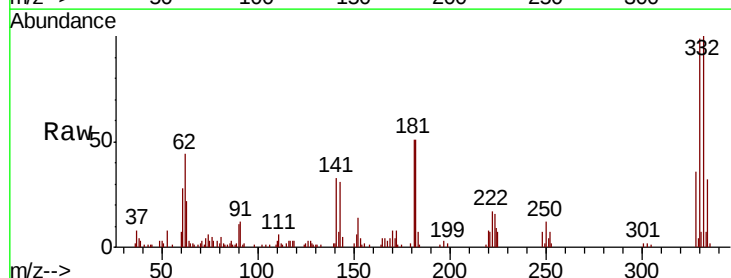
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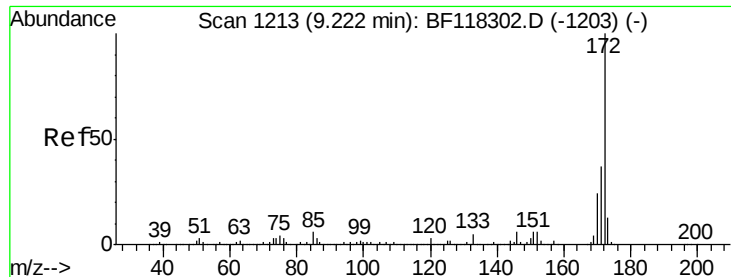
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#42
2,4,6-Tribromophenol
Concen: 20.965 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	114.8
141	39.9	26.0	39.0





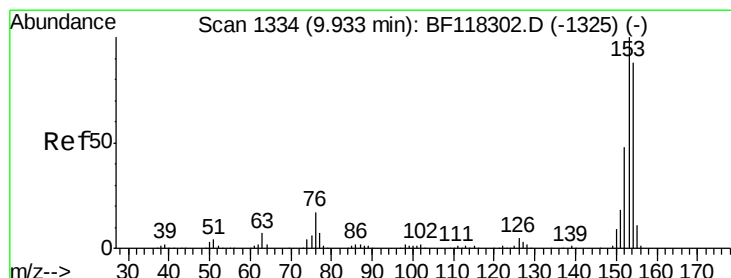
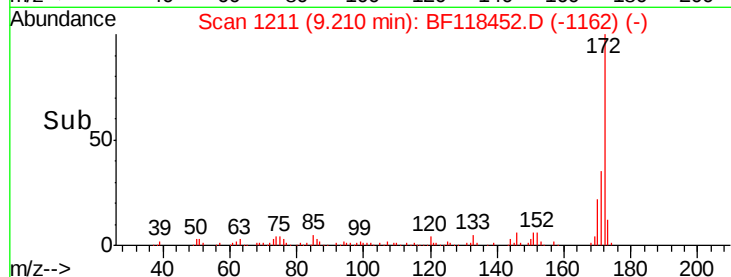
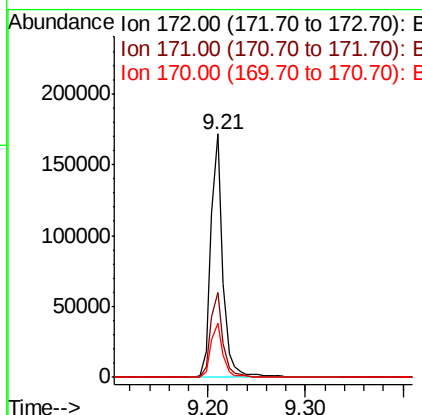
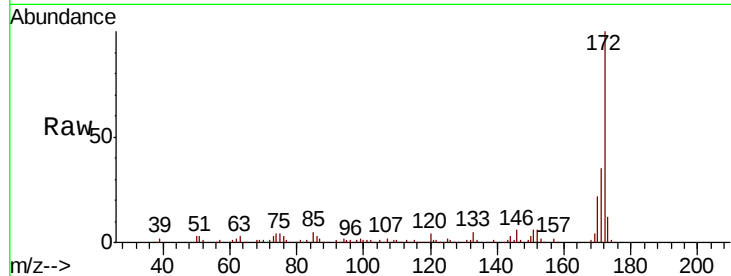
#45
2-Fluorobiphenyl
Concen: 15.070 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	29.3	43.9	
170	22.5	19.2	28.8	

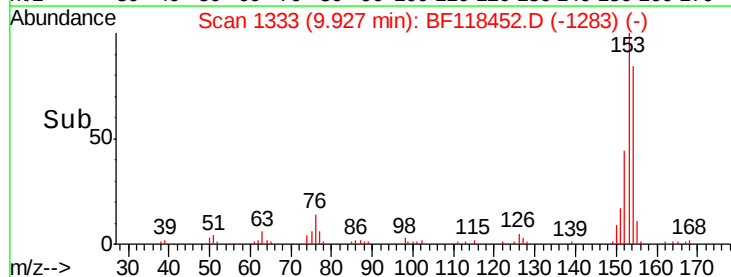
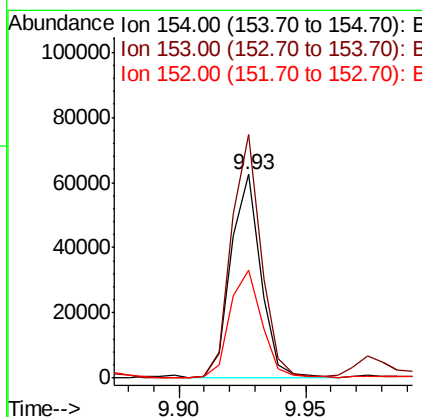
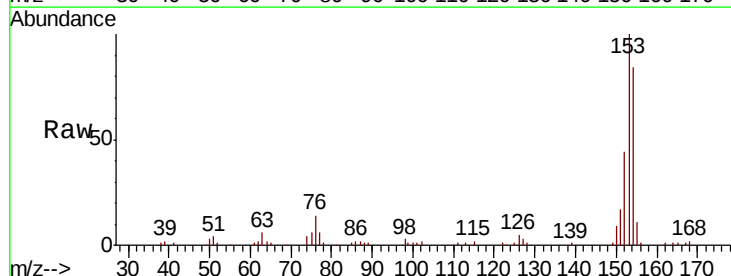
Manual Integrations
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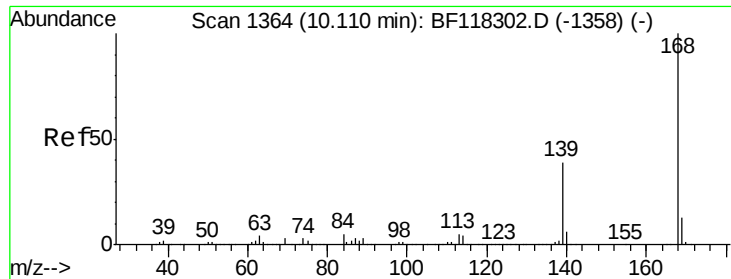
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#52
Acenaphthene
Concen: 6.019 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	119.6	90.6	136.0	
152	52.8	43.1	64.7	





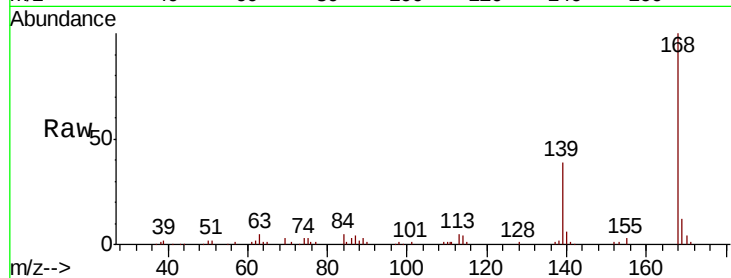
#55
Dibenzenofuran
Concen: 5.953 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampled :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.5	47.3
169	12.2	10.4	15.6

Manual Integrations
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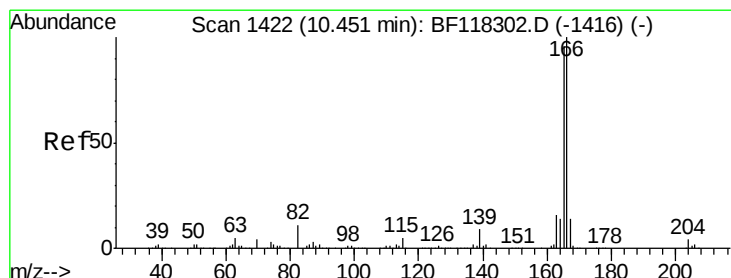
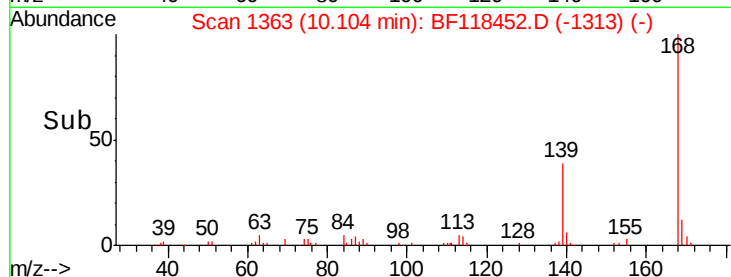
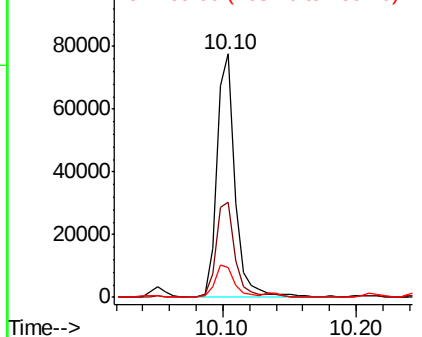


Abundance

Ion 168.00 (167.70 to 168.70): E

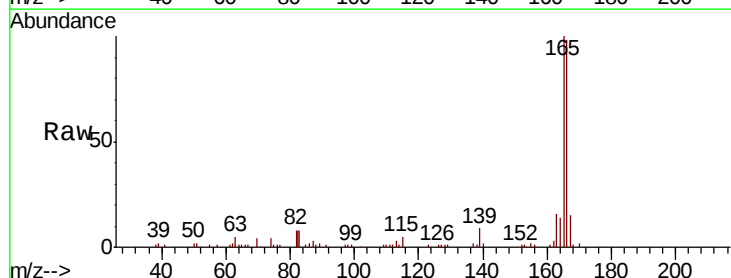
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 5.351 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	77.0	115.4
167	15.7	10.9	16.3

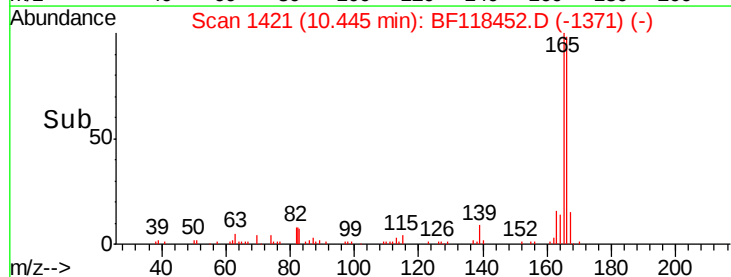
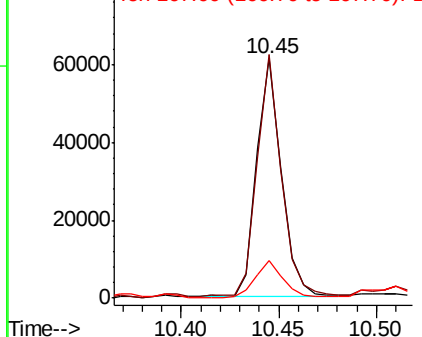


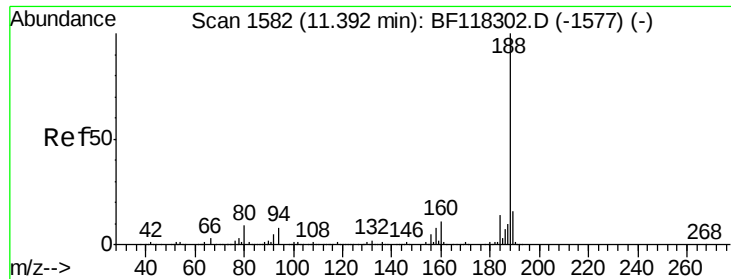
Abundance

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





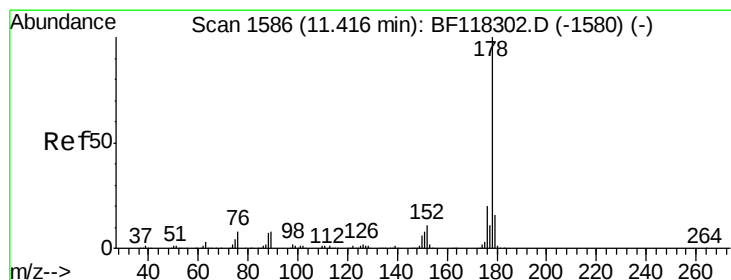
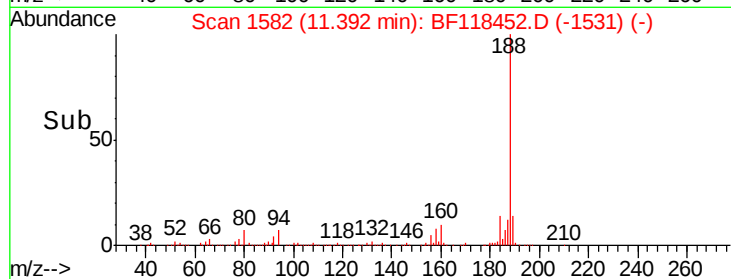
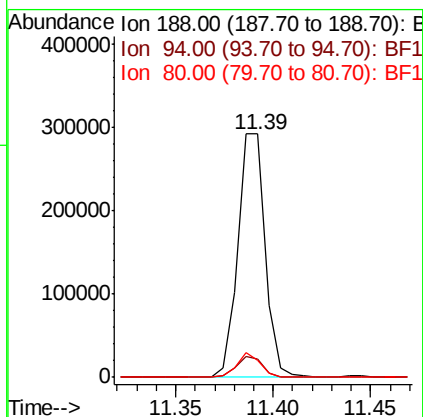
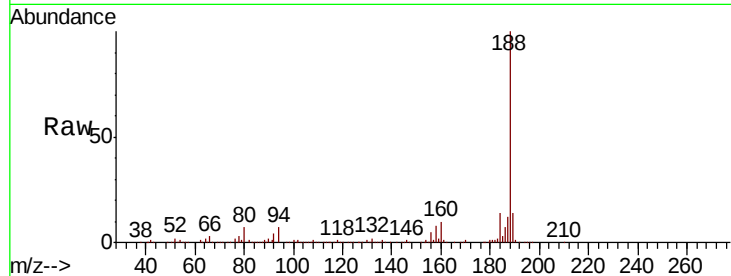
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.3	6.7	10.1
80	6.9	7.2	10.8

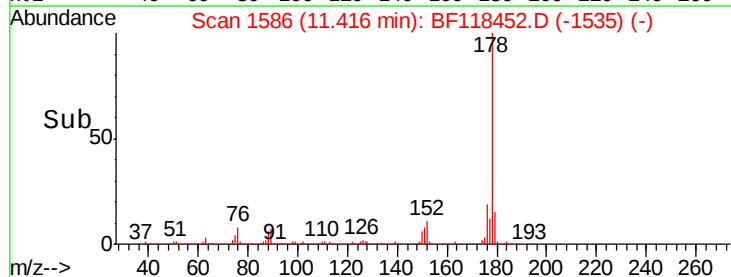
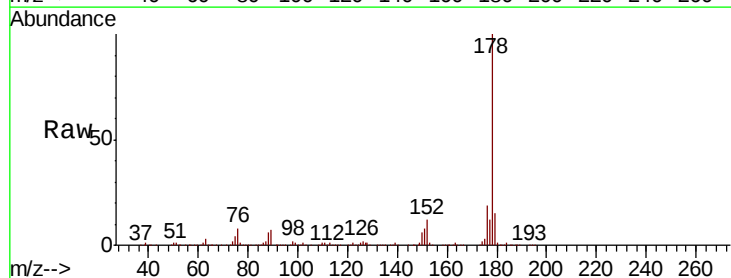
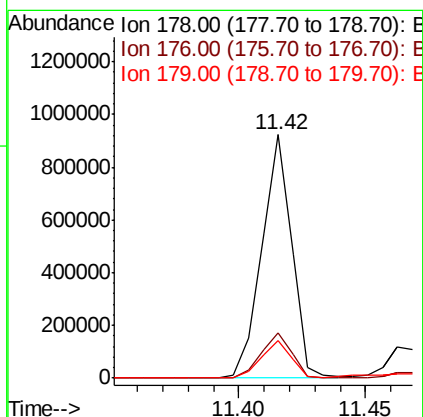
Manual Integrations
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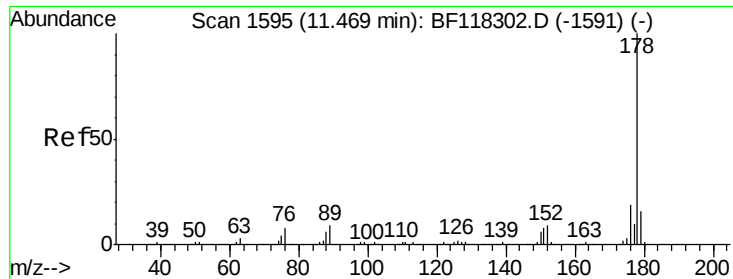
mohammad
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#71
Phenanthrene
Concen: 49.331 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.2	12.6	19.0





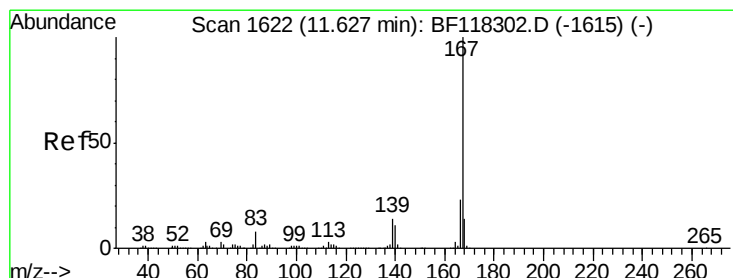
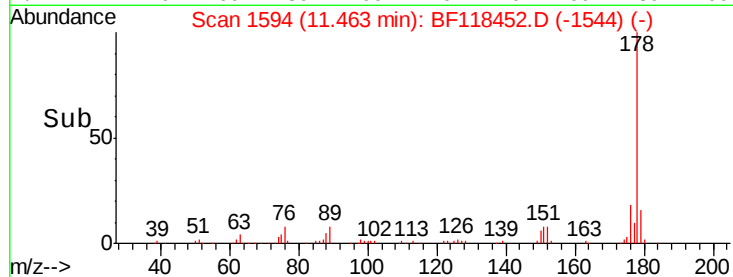
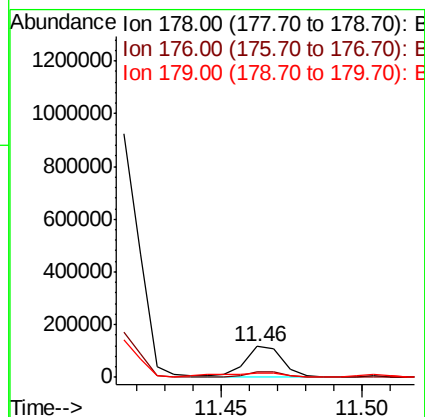
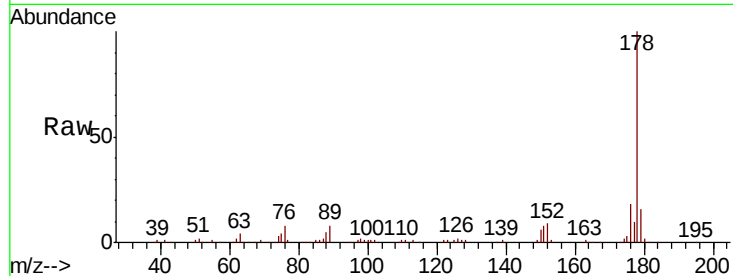
#72
 Anthracene
 Concen: 6.975 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF118452.D
 Acq: 2 Jan 2020 23:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(8-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	17.8	15.2	22.8		
179	15.9	12.9	19.3		

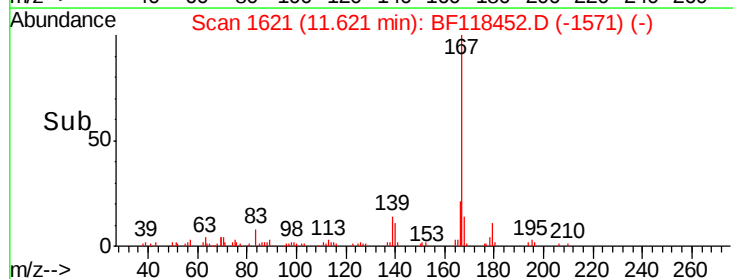
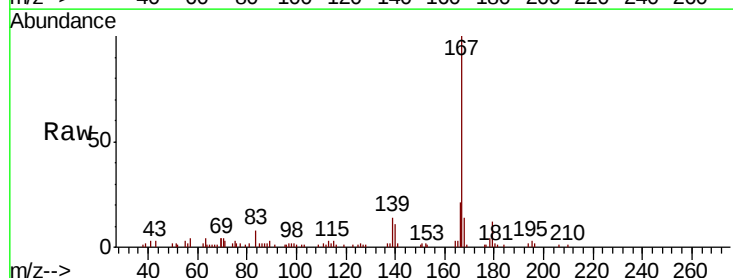
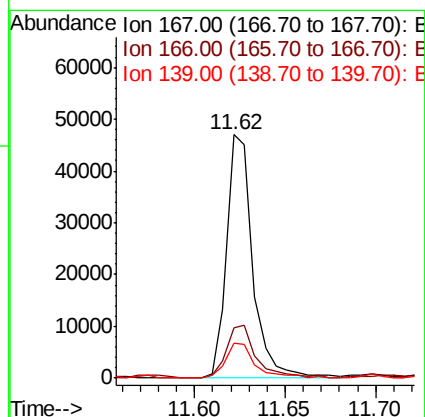
Manual Integrations
 APPROVED

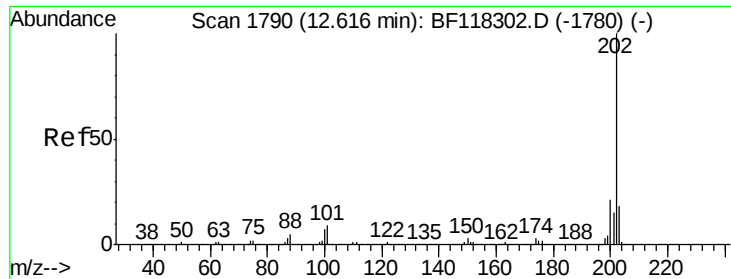
mohammad
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#73
 Carbazole
 Concen: 3.454 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BF118452.D
 Acq: 2 Jan 2020 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	20.7	18.1	27.1		
139	14.5	11.5	17.3		





#75

Fluoranthene

Concen: 34.524 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118452.D

Acq: 2 Jan 2020 23:02

Instrument :

BNA_F

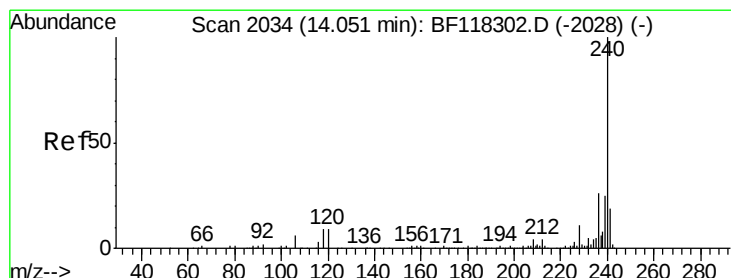
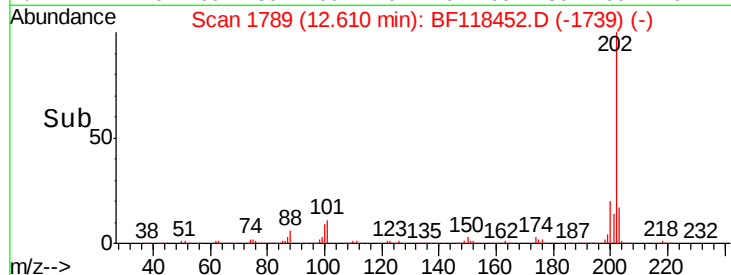
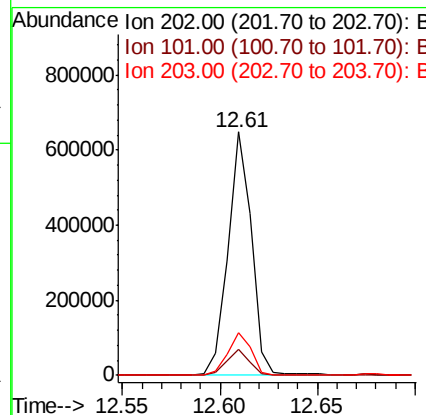
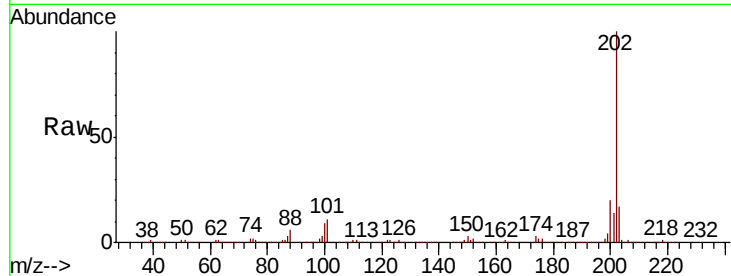
ClientSampleId :

SB-5-(8-10)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	539892		
101	10.9	0.0	29.5	
203	17.4	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

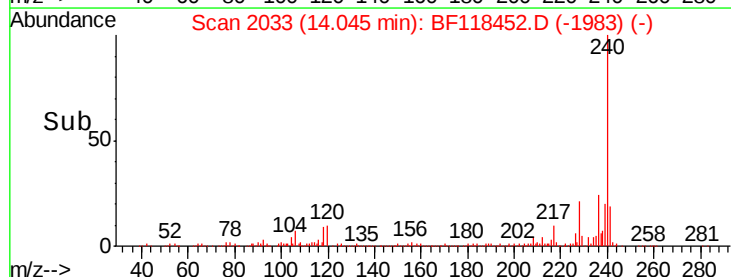
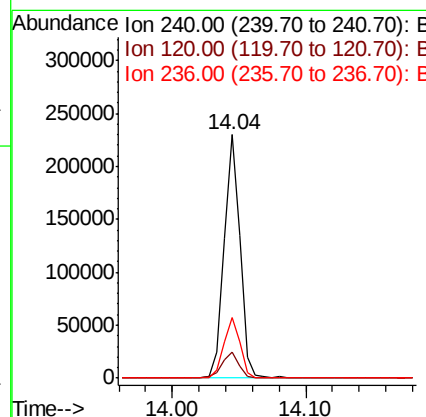
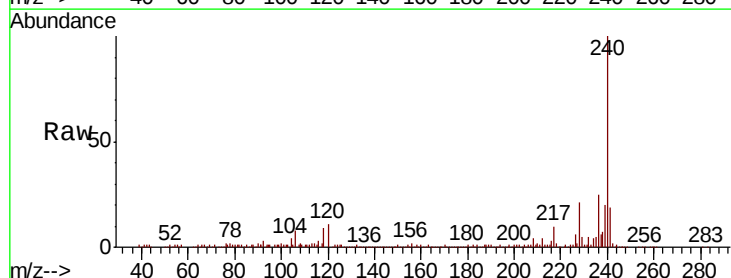
RT: 14.04 min Scan# 2033

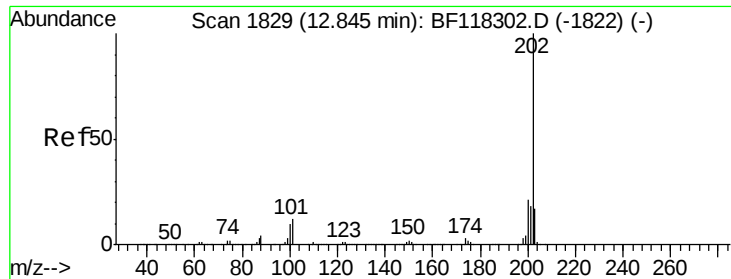
Delta R.T. -0.01 min

Lab File: BF118452.D

Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	195014		
120	10.5	7.1	10.7	
236	24.6	21.0	31.6	





#78

Pvrene

Concen: 28.664 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118452.D

Acq: 2 Jan 2020 23:02

Instrument :

BNA_F

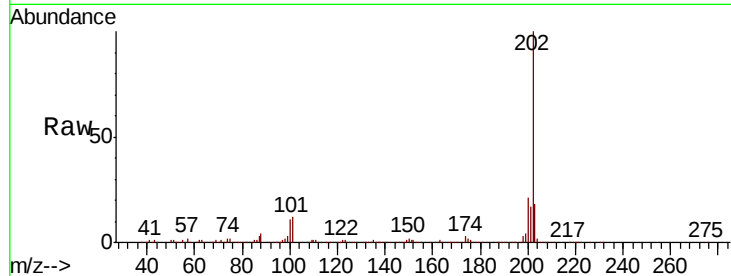
ClientSampleId :

SB-5-(8-10)

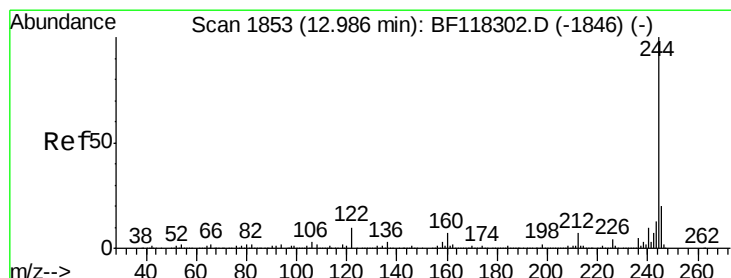
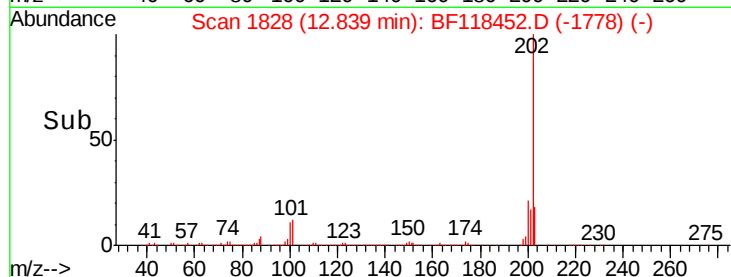
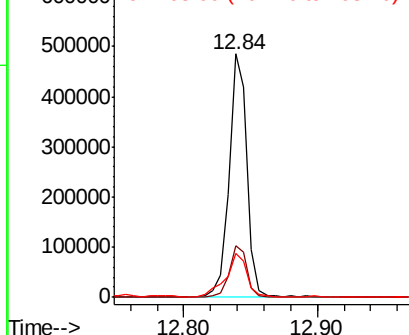
Tot Ion:	202	Resp:	456480
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.8	25.2
203	18.0	13.9	20.9

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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: 12.029 ng

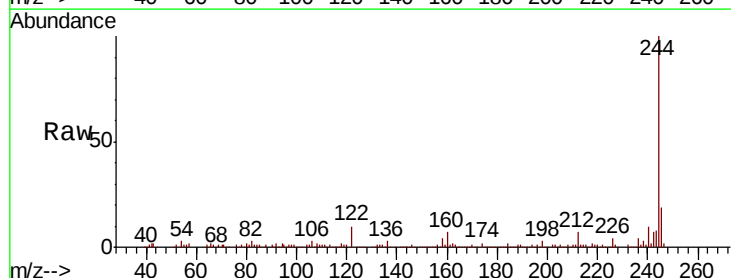
RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

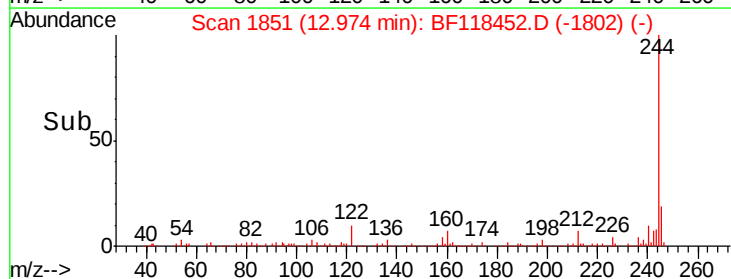
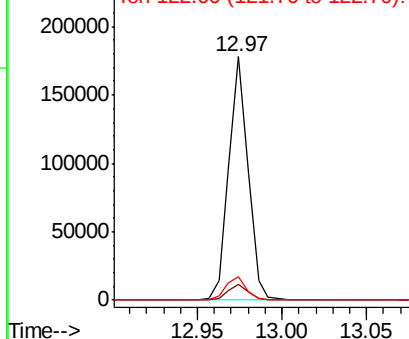
Lab File: BF118452.D

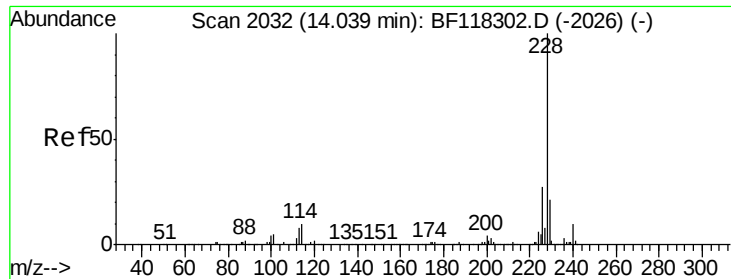
Acq: 2 Jan 2020 23:02

Tgt Ion:	244	Resp:	141399
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.2
122	9.6	7.8	11.8



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





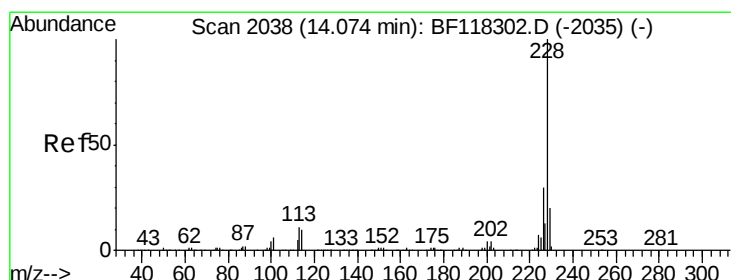
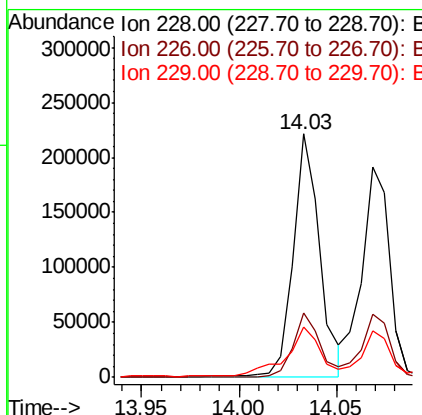
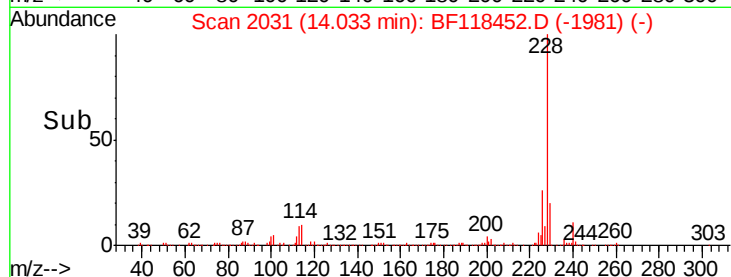
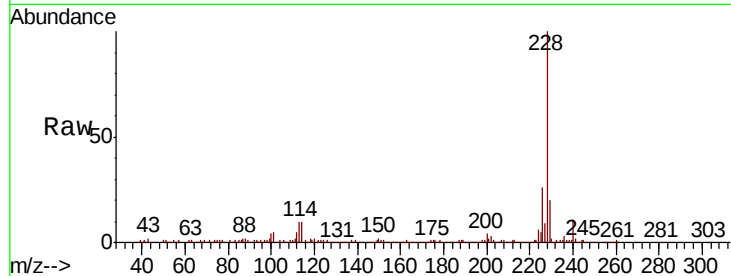
#81
Benzo(a)anthracene
Concen: 15.223 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.0	33.0
229	20.4	16.6	24.8

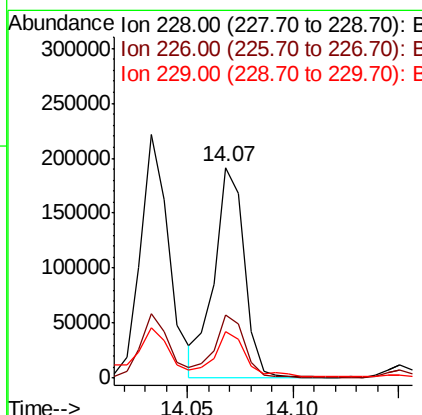
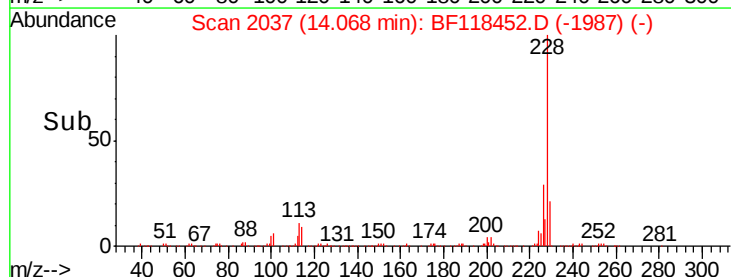
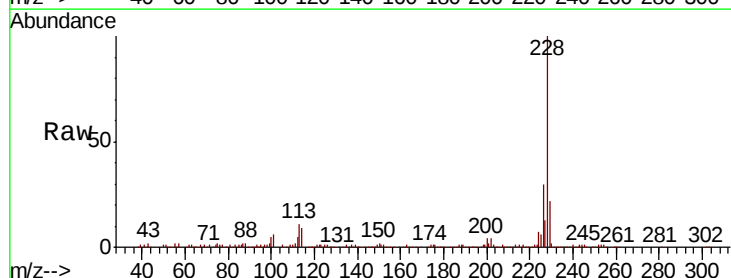
Manual Integrations
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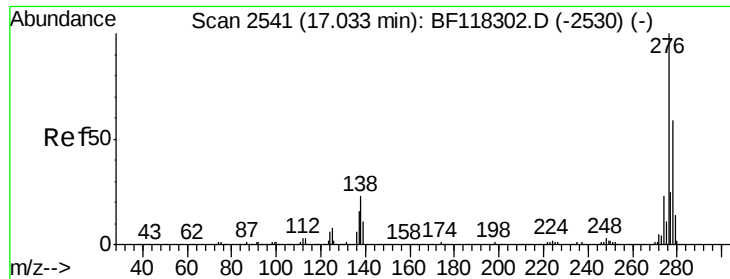
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#83
Chrysene
Concen: 14.558 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	21.9	16.1	24.1





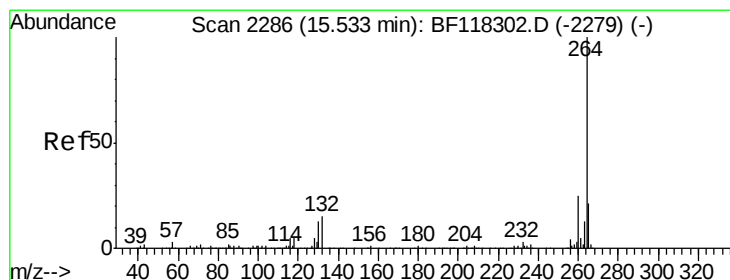
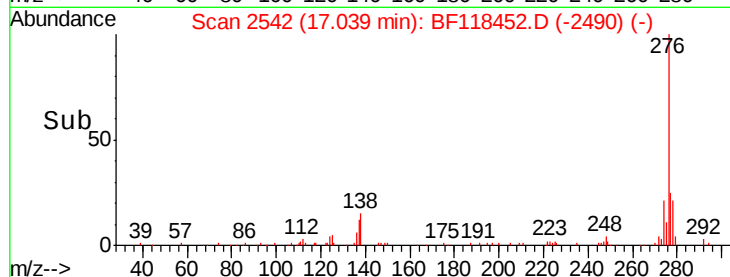
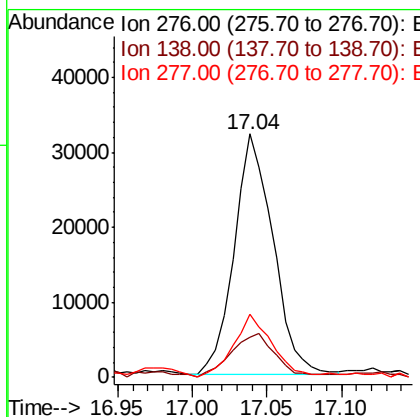
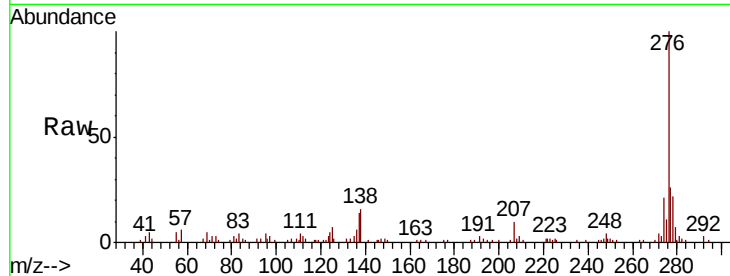
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.168 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.5	29.3
277	26.4	20.6	30.8

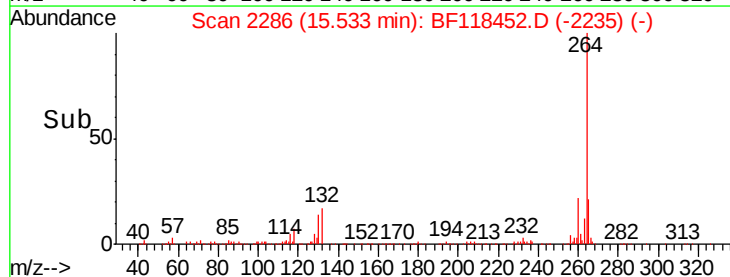
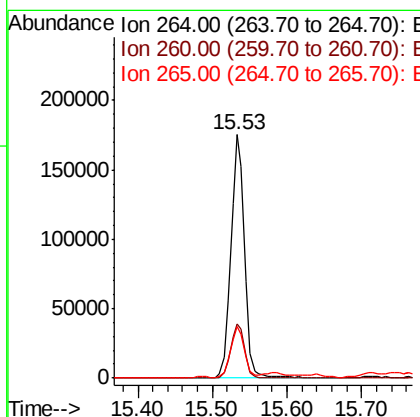
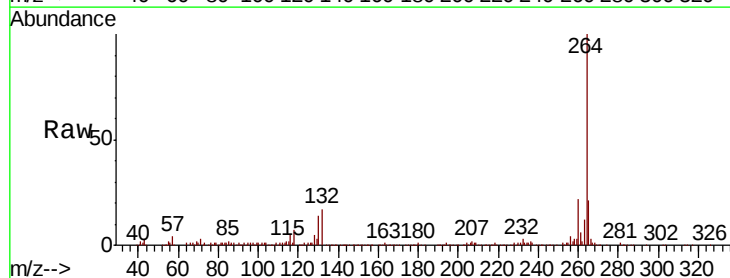
Manual Integrations
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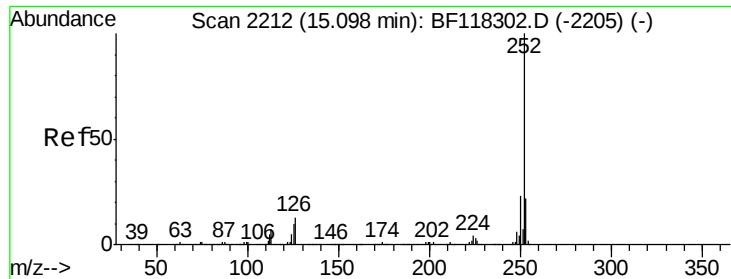
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.8	29.6
265	21.3	17.0	25.4





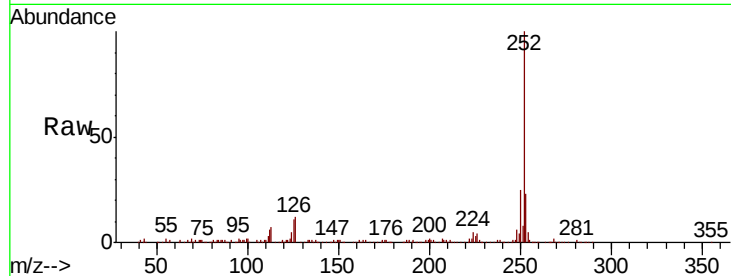
#88
Benzo(b)fluoranthene
Concen: 15.721 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.8	7.7	11.5

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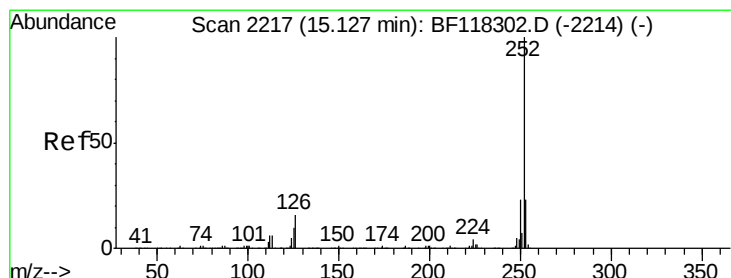
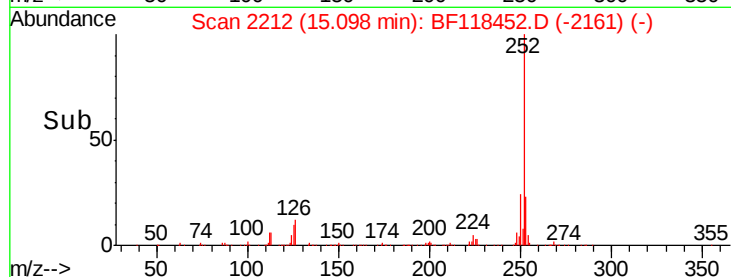
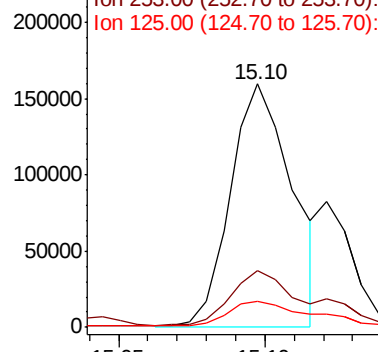


Abundance

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(k)fluoranthene
Concen: 4.625 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

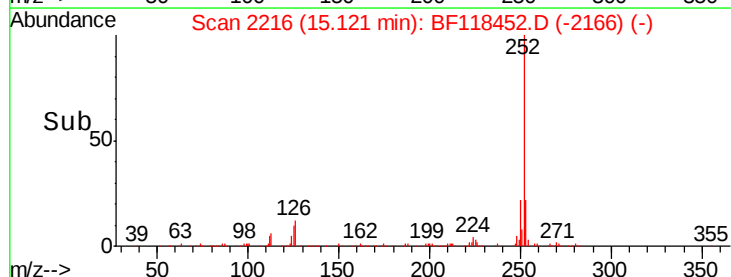
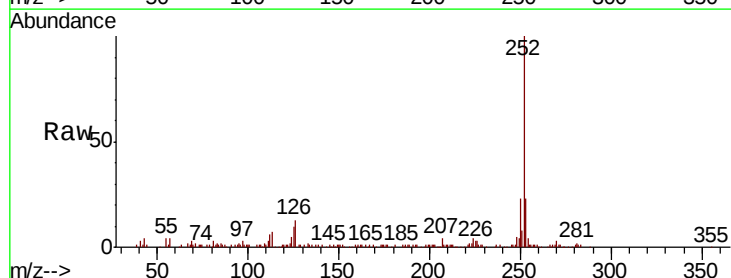
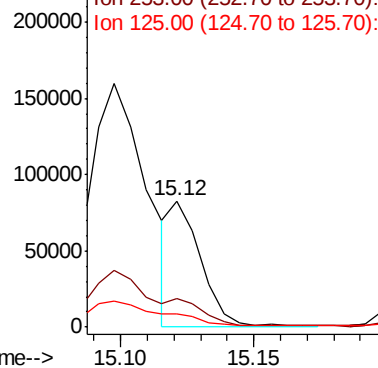
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.5	8.0	12.0

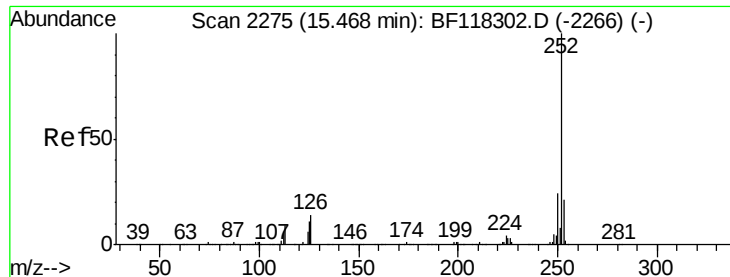
Abundance

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





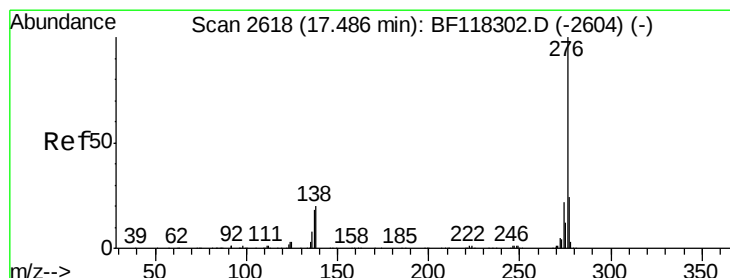
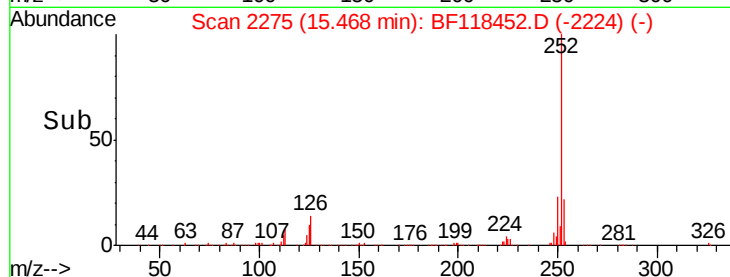
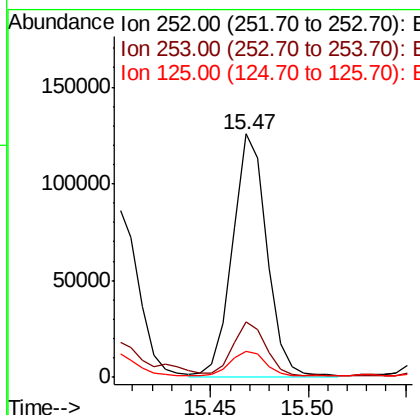
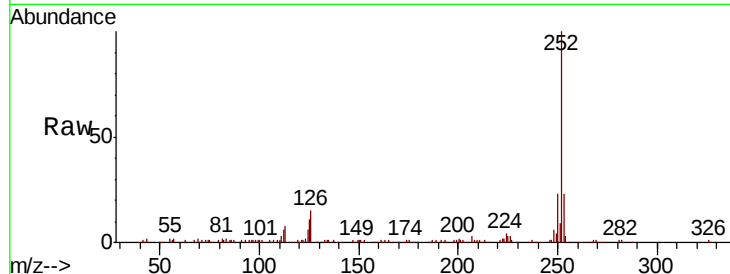
#90
Benzo(a)pyrene
Concen: 11.556 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Instrument :
BNA_F
ClientSampleId :
SB-5-(8-10)

Tot Ion:	252	Resp:	152351
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	10.7	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 4.685 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF118452.D
Acq: 2 Jan 2020 23:02

Tgt Ion:	276	Resp:	51772
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.1	28.7
138	22.3	16.1	24.1

