

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118453.D
 Acq On : 2 Jan 2020 23:30
 Operator : JU
 Sample : K6465-02DL 25X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-11-(5-6)DL

Manual Integrations
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Quant Time: Jan 03 04:25:03 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	73342	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	298816	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	141749	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	245494	20.00	ng	0.00
76) Chrysene-d12	14.04	240	195029	20.00	ng	0.00
87) Perylene-d12	15.53	264	199987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	17205m	4.00	ng	0.02
7) Phenol-d6	6.50	99	22177	4.16	ng	0.02
23) Nitrobenzene-d5	7.42	82	15282	2.93	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	5373	3.07	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	30134	3.25	ng	-0.01
79) Terphenyl-d14	12.97	244	28675	2.44	ng	-0.01
Target Compounds						
31) Naphthalene	8.16	128	172751	11.374	ng	98
37) 2-Methylnaphthalene	8.85	142	35189	3.384	ng	97
38) 1-Methylnaphthalene	8.95	142	25929	2.647	ng	98
52) Acenaphthene	9.93	154	54101	6.637	ng	97
55) Dibenzofuran	10.10	168	71280	5.918	ng	100
58) Fluorene	10.45	166	92603	9.524	ng	99
71) Phenanthrene	11.42	178	792556	59.221	ng	99
72) Anthracene	11.47	178	212032	15.828	ng	96
73) Carbazole	11.63	167	43342	3.646	ng	98
75) Fluoranthene	12.61	202	485316	35.932	ng	99
78) Pyrene	12.84	202	506455	31.800	ng	100
81) Benzo(a)anthracene	14.03	228	227930	16.696	ng	99
83) Chrysene	14.07	228	190764	14.594	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	60500	5.432	ng	94
88) Benzo(b)fluoranthene	15.10	252	190983m	14.387	ng	
89) Benzo(k)fluoranthene	15.12	252	43522m	3.414	ng	
90) Benzo(a)pyrene	15.47	252	140806	12.041	ng	99
92) Benzo(g,h,i)perylene	17.50	276	54243	5.533	ng	97

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

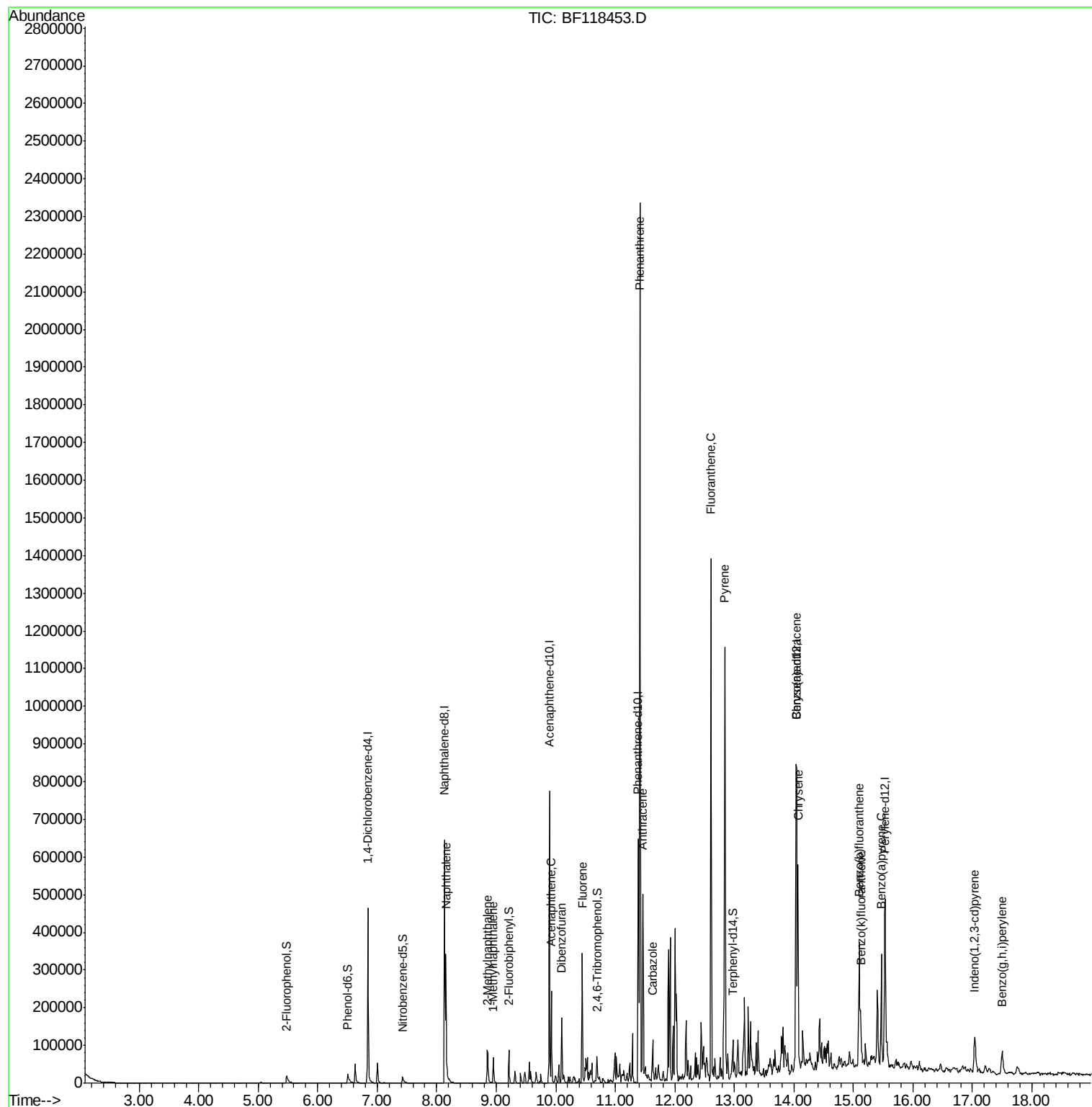
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118453.D
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ALS Vial : 24 Sample Multiplier: 1

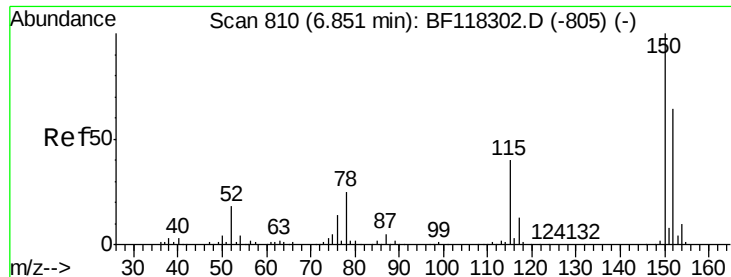
Instrument :
BNA_F
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GP-11-(5-6)DL

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Quant Time: Jan 03 04:25:03 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

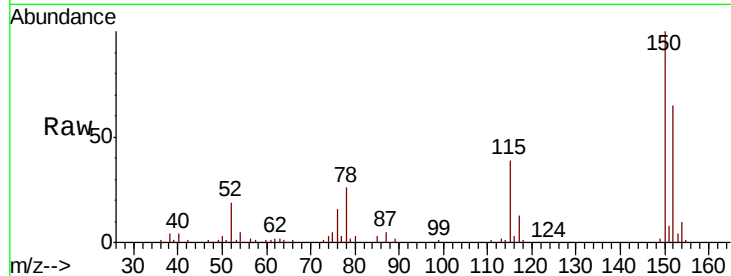
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.4	188.2
115	60.1	50.2	75.4

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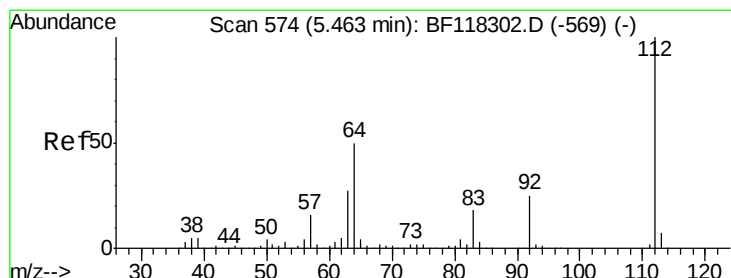
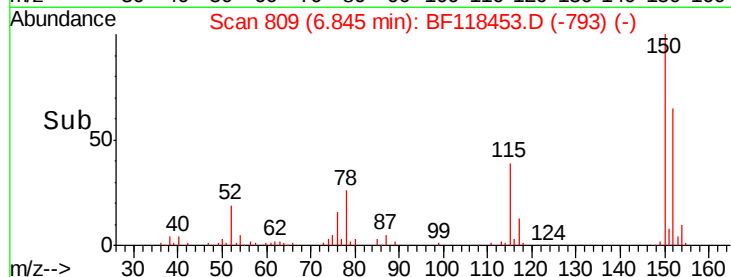
Abundance

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

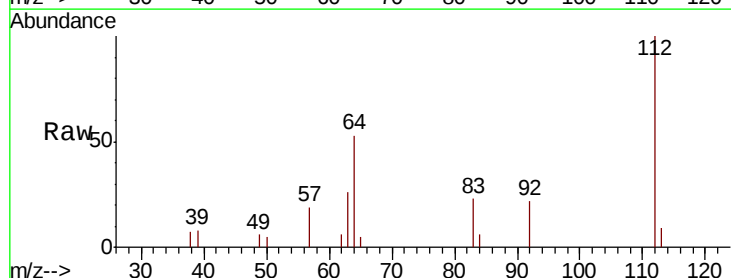
Time-->



#5

2-Fluorophenol
Concen: 4.004 ng m
RT: 5.48 min Scan# 577
Delta R.T. 0.02 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	39.7	59.5
63	26.1	21.7	32.5



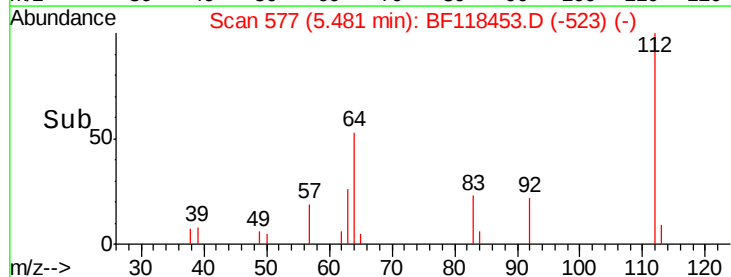
Abundance

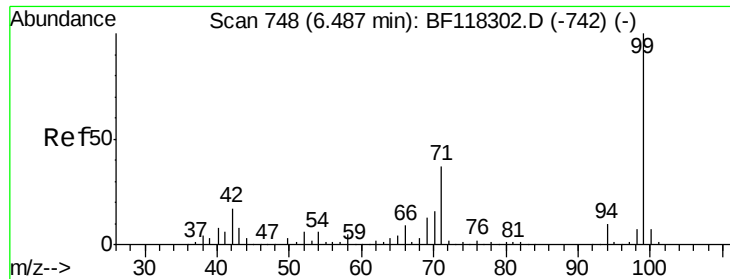
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 4.161 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.02 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Instrument :

BNA_F

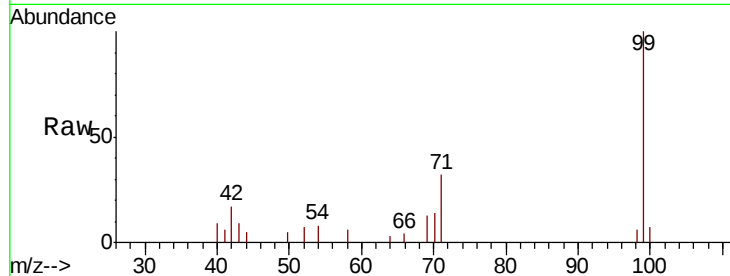
ClientSampleId :

GP-11-(5-6)DL

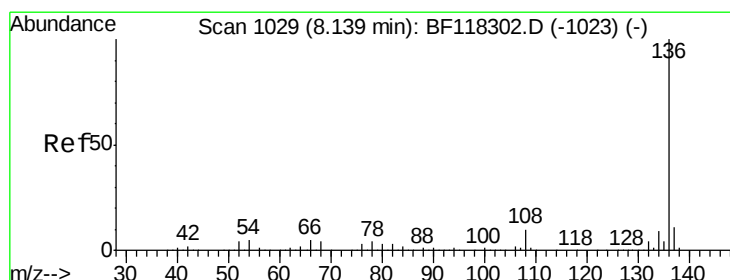
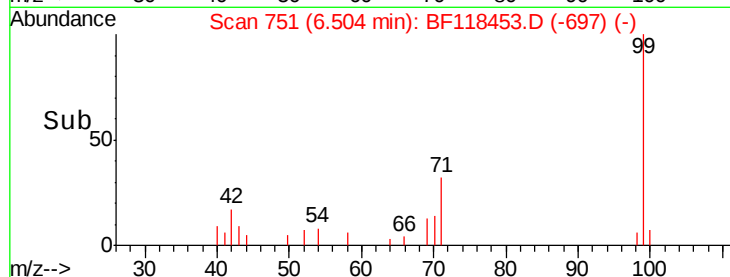
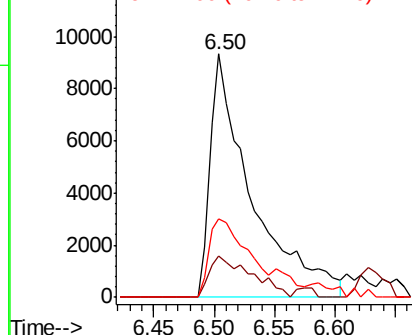
Tot Ion:	99	Resp:	22177
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.5	20.3
71	32.2	29.4	44.2

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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: 8.13 min Scan# 1028

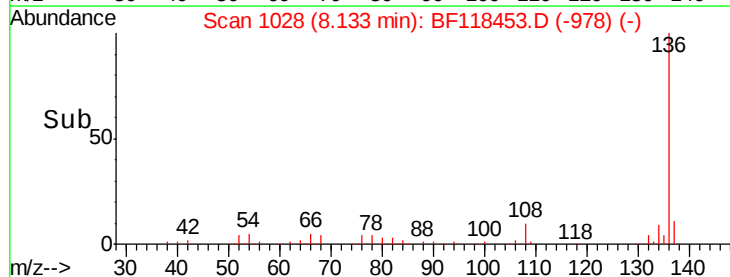
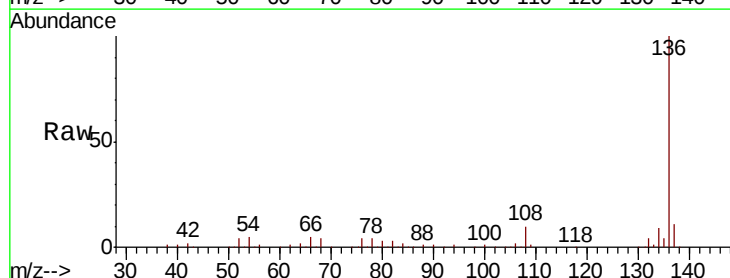
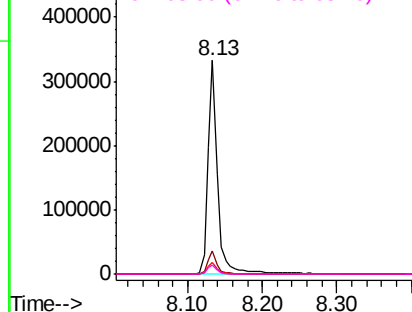
Delta R.T. -0.01 min

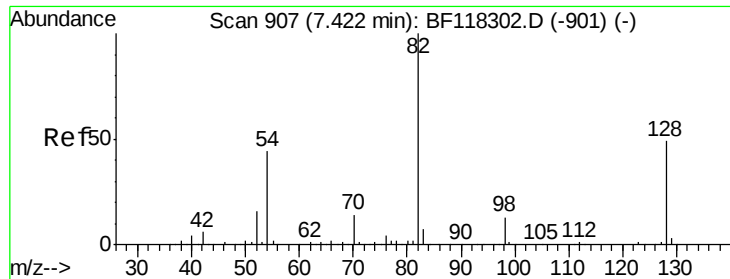
Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Tgt Ion:	136	Resp:	298816
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.2	4.2	6.4
68	4.4	3.5	5.3

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





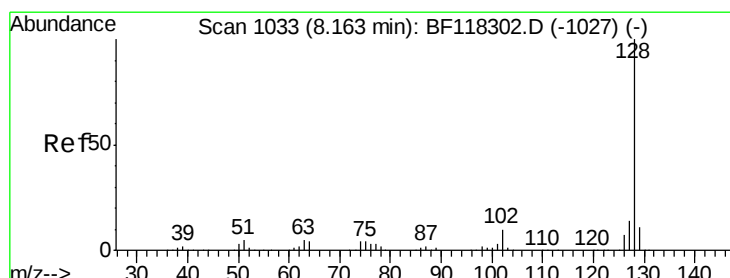
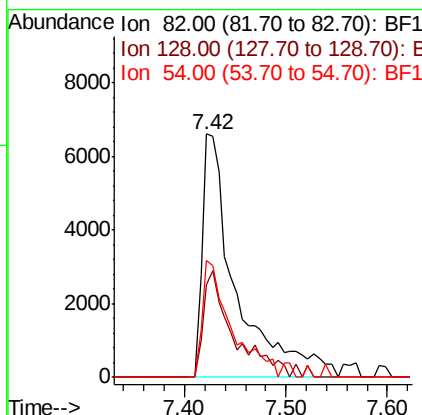
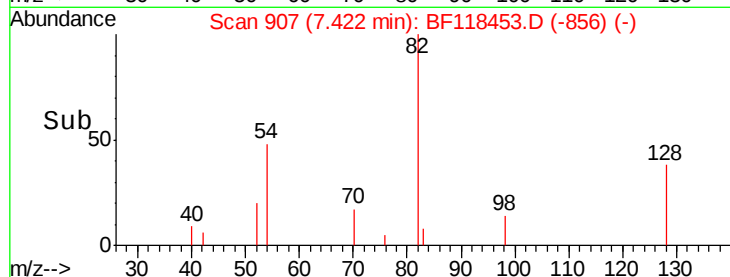
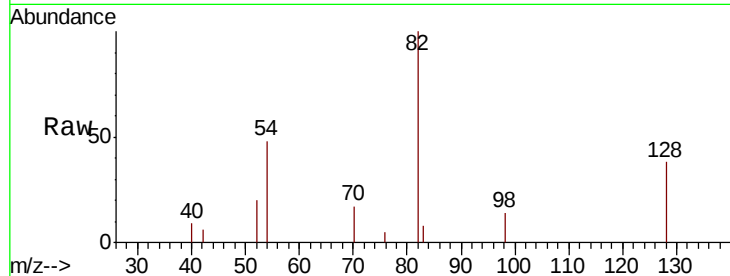
#23
Nitrobenzene-d5
Concen: 2.925 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	39.6	59.4#
54	47.9	34.9	52.3

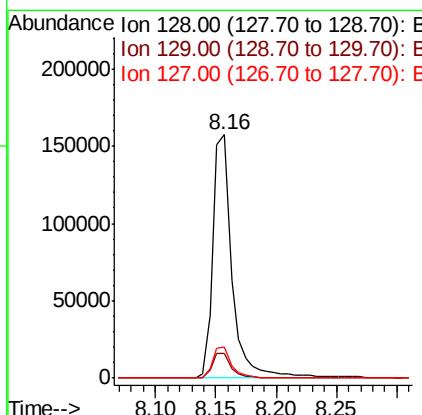
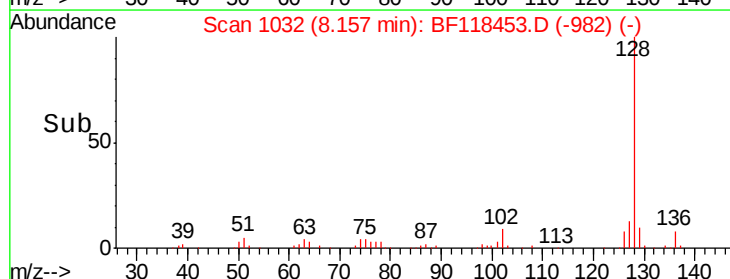
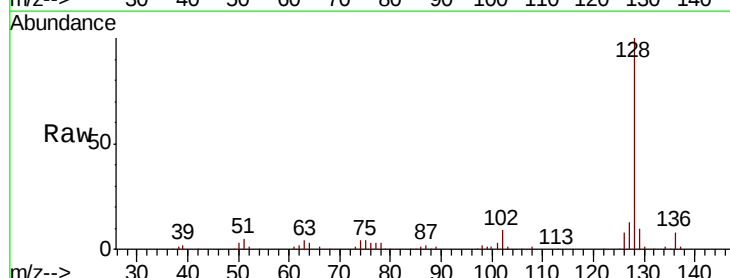
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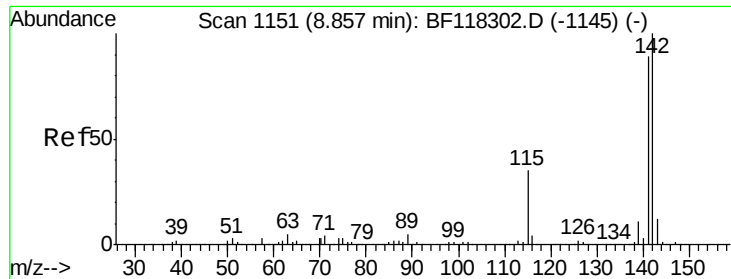
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#31
Naphthalene
Concen: 11.374 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.0	13.4
127	13.0	11.0	16.4





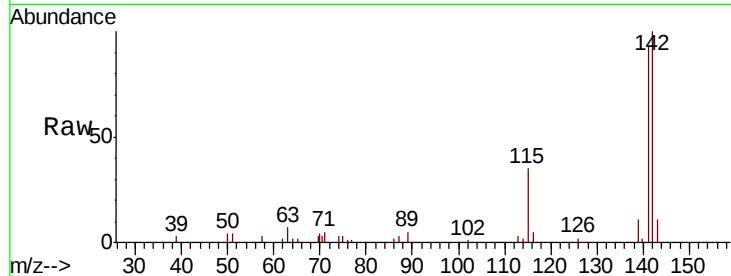
#37
 2-Methylnaphthalene
 Concen: 3.384 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF118453.D
 Acq: 2 Jan 2020 23:30

Instrument :
 BNA_F
 ClientSampleId :
 GP-11-(5-6)DL

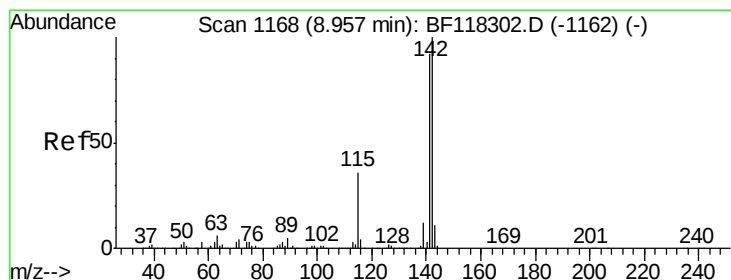
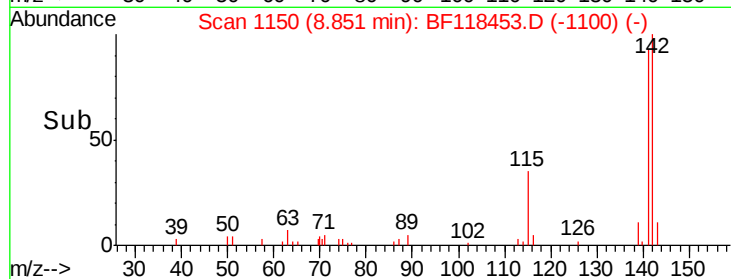
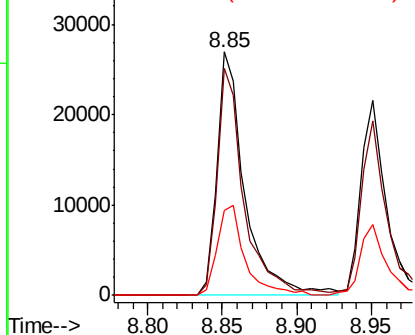
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.1	71.2	106.8
115	34.9	28.0	42.0

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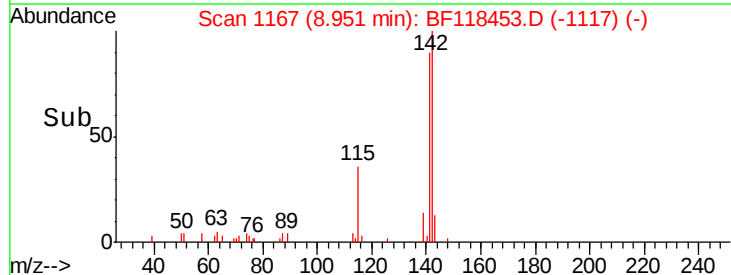
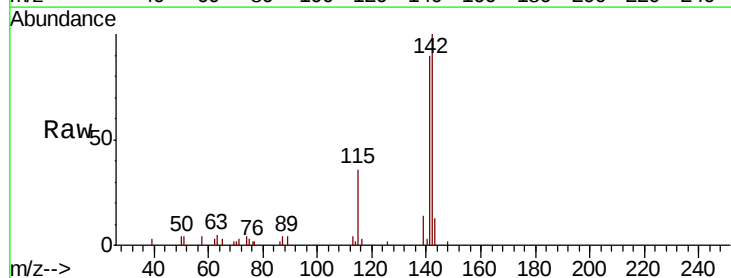
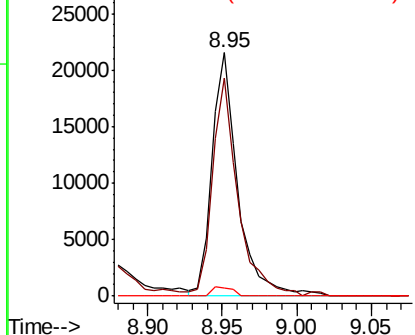
Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

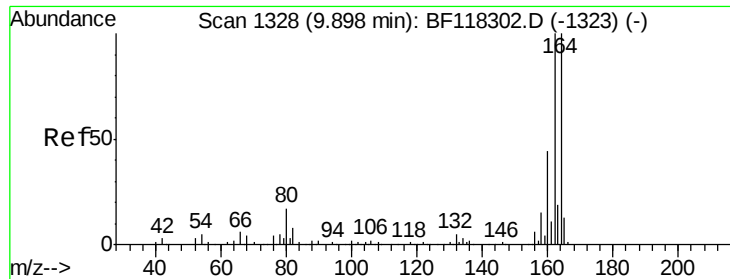


#38
 1-Methylnaphthalene
 Concen: 2.647 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF118453.D
 Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	73.4	110.2
116	3.5	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





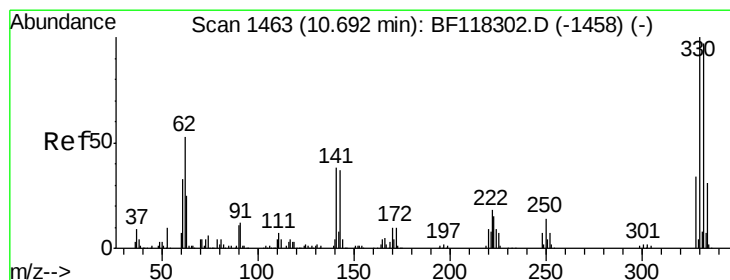
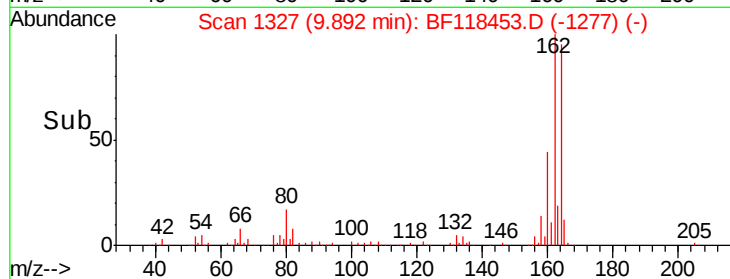
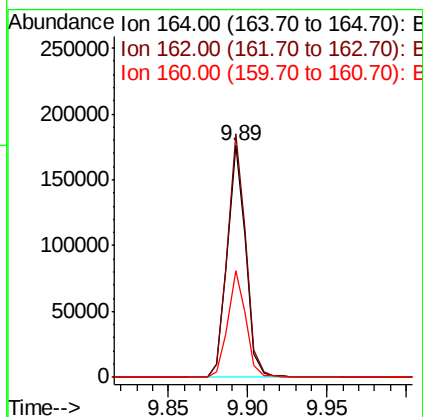
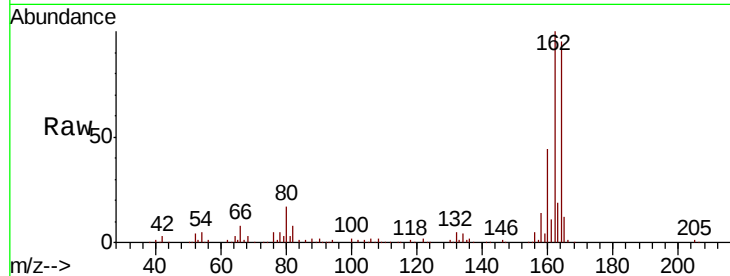
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleID :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	80.0	120.0
160	45.9	34.8	52.2

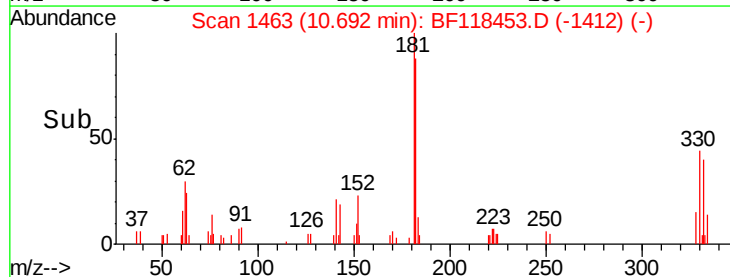
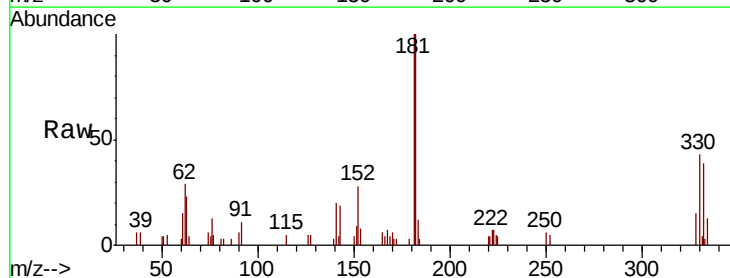
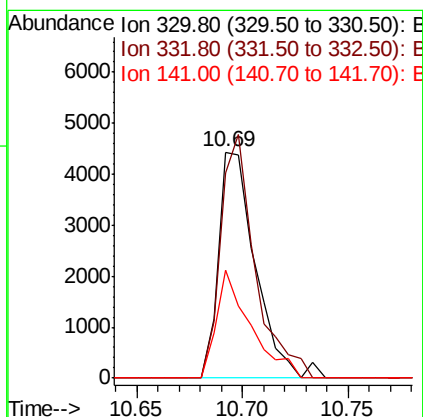
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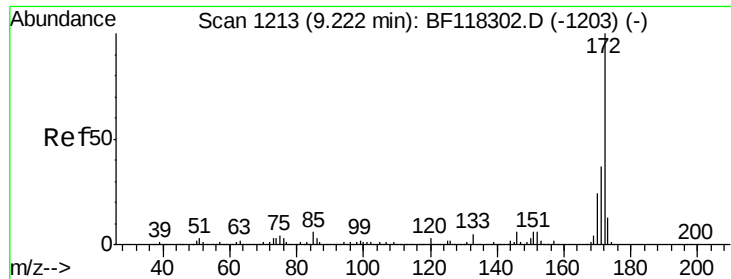
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#42
2,4,6-Tribromophenol
Concen: 3.069 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.3	76.6	114.8
141	44.6	26.0	39.0#





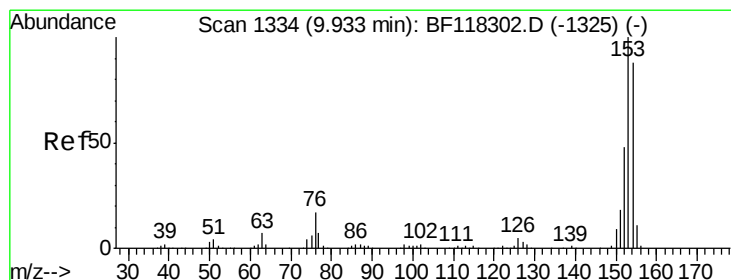
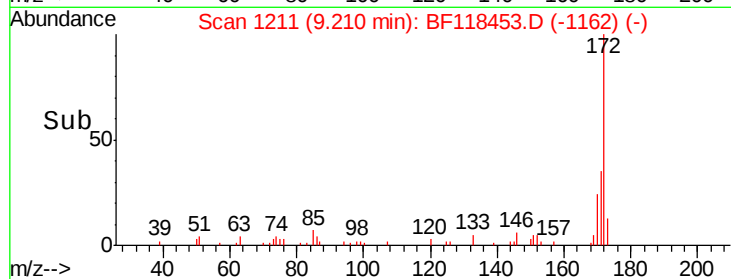
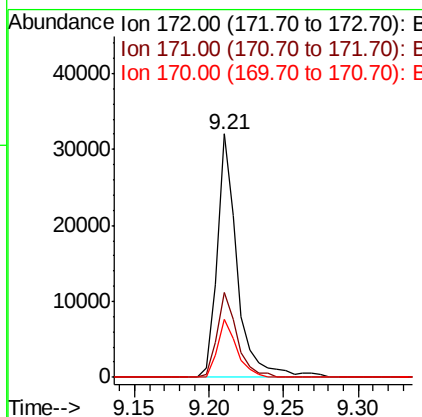
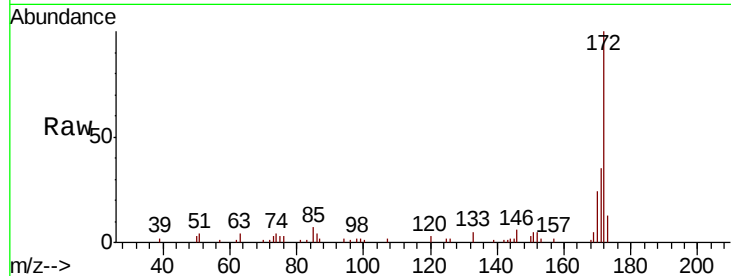
#45
2-Fluorobiphenyl
Concen: 3.245 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.8	19.2	28.8

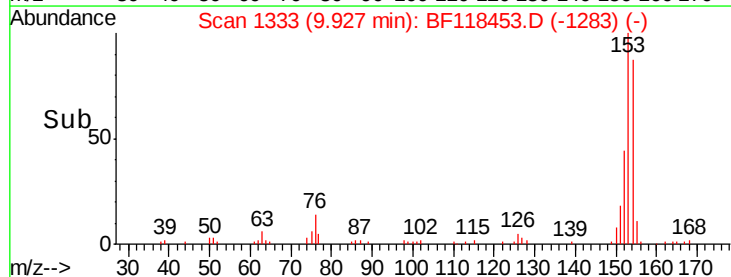
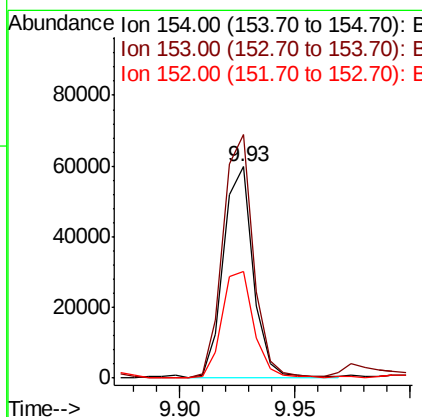
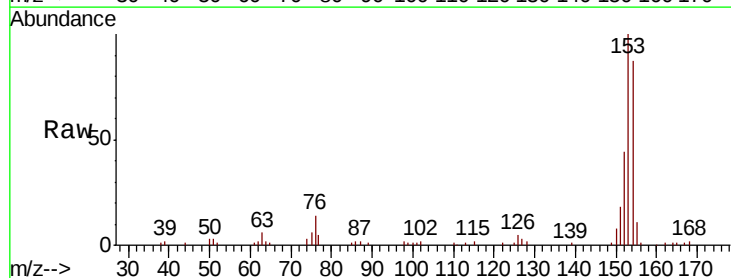
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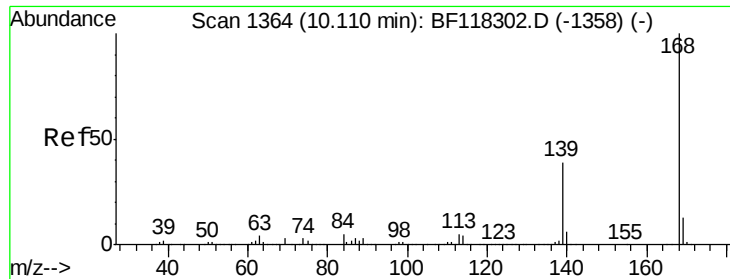
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#52
Acenaphthene
Concen: 6.637 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.6	136.0
152	50.3	43.1	64.7





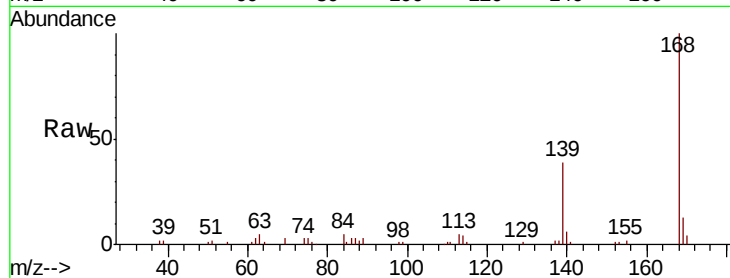
#55
Dibenzenofuran
Concen: 5.918 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

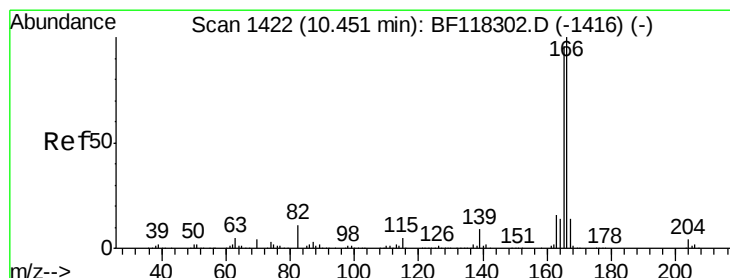
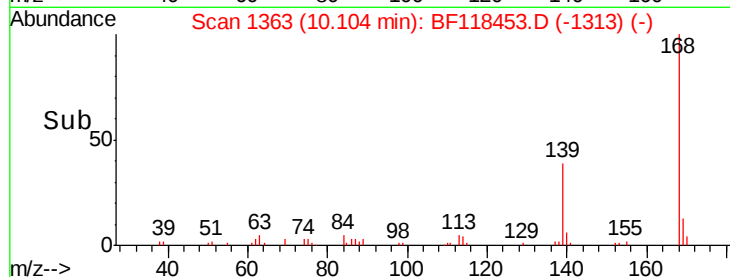
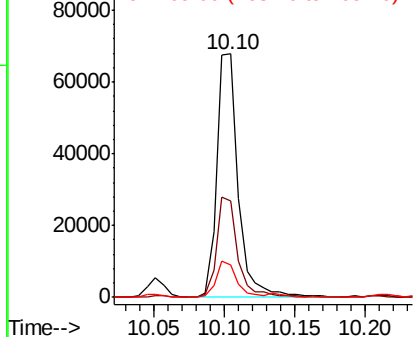
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.5	47.3
169	13.2	10.4	15.6

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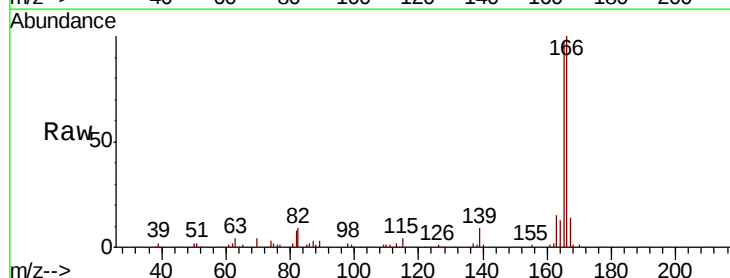


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

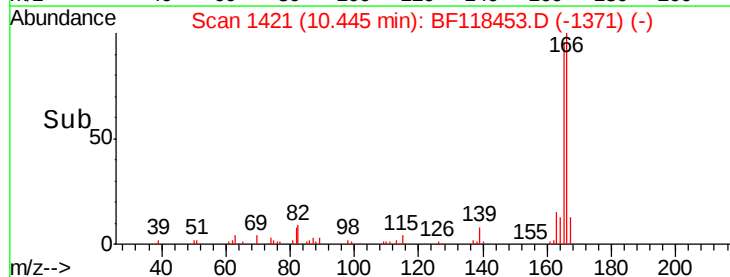
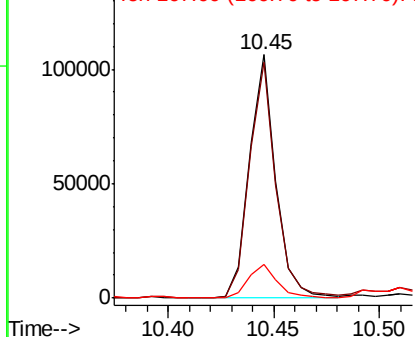


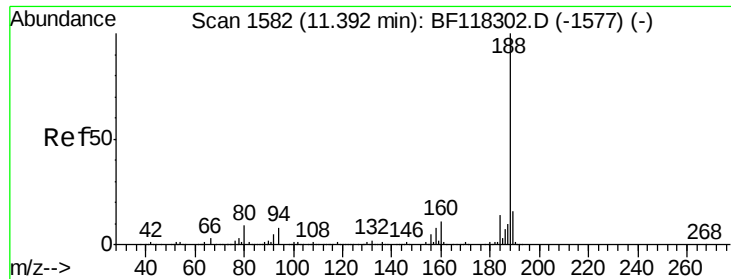
#58
Fluorene
Concen: 9.524 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.0	115.4
167	13.6	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# 1581

Delta R.T. -0.01 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Instrument :

BNA_F

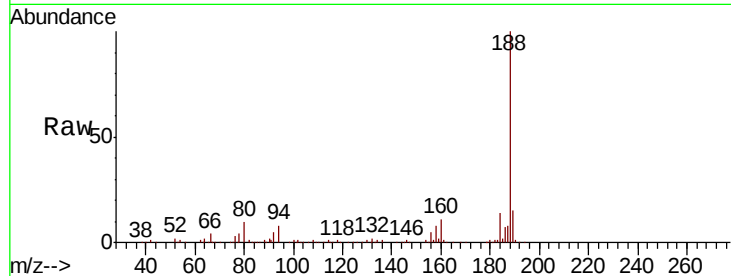
ClientSampleId :

GP-11-(5-6)DL

Tot Ion:	188	Resp:	245494
Ion Ratio	Lower	Upper	
188	100		
94	8.3	6.7	10.1
80	9.6	7.2	10.8

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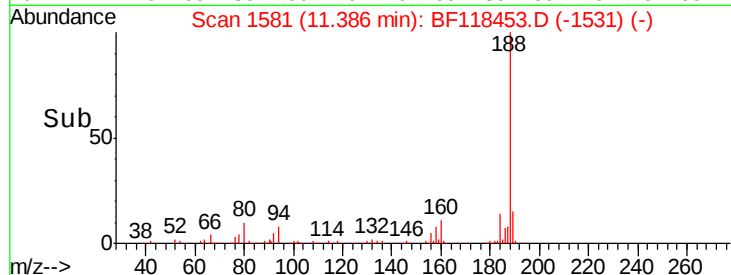


Abundance Ion 188.00 (187.70 to 188.70): E

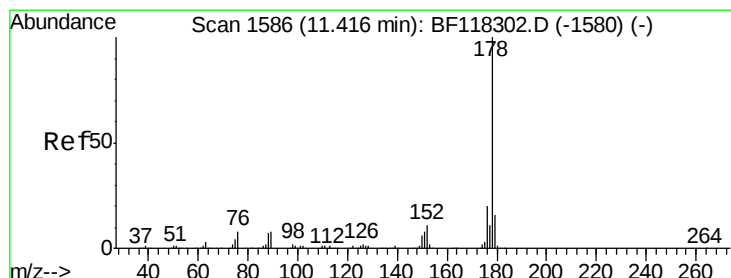
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#71

Phenanthrene

Concen: 59.221 ng

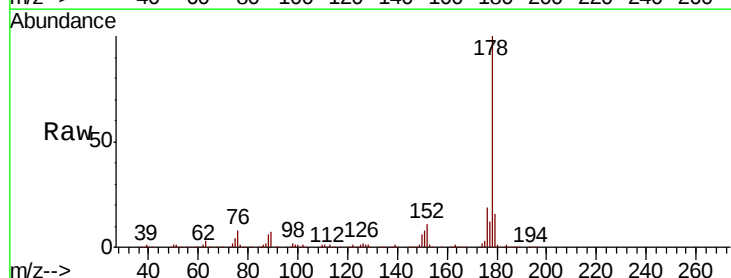
RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Tgt Ion:	178	Resp:	792556
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.6	23.4
179	16.0	12.6	19.0

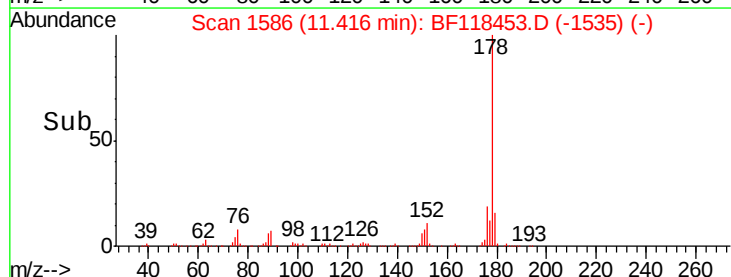


Abundance Ion 178.00 (177.70 to 178.70): E

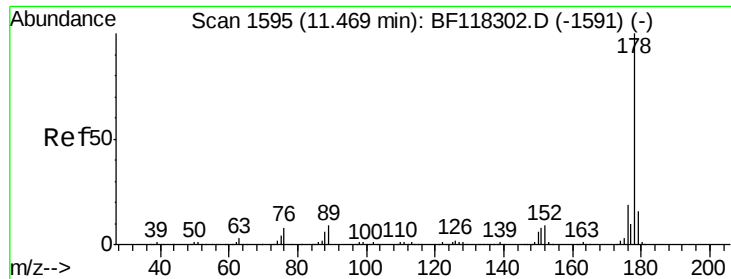
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#72

Anthracene

Concen: 15.828 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Instrument :

BNA_F

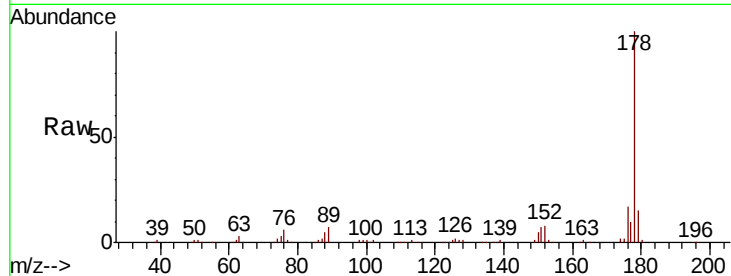
ClientSampleId :

GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.2	22.8
179	14.7	12.9	19.3

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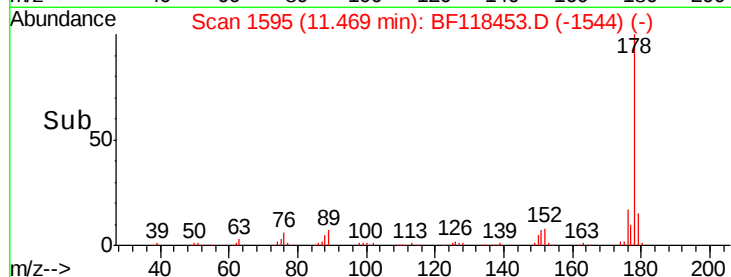


Abundance

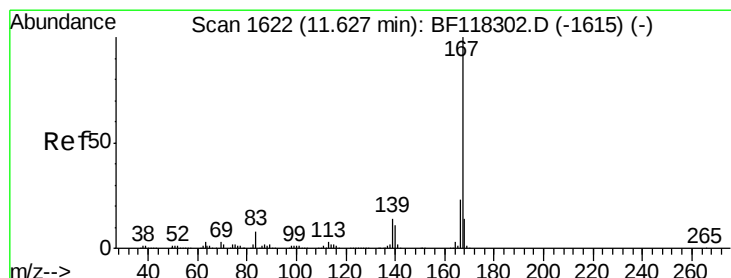
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 3.646 ng

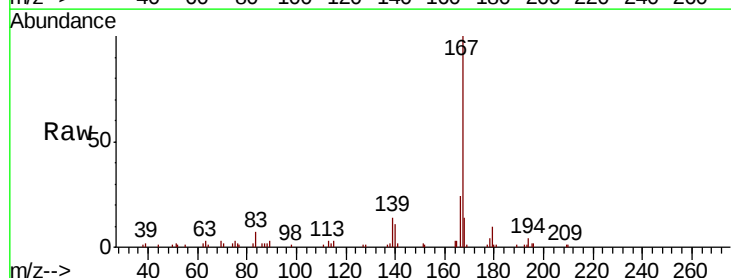
RT: 11.63 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.9	18.1	27.1
139	13.8	11.5	17.3

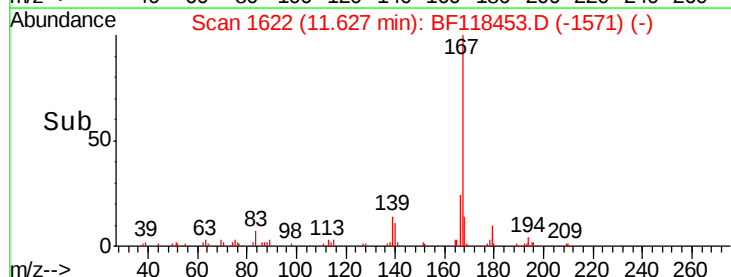


Abundance

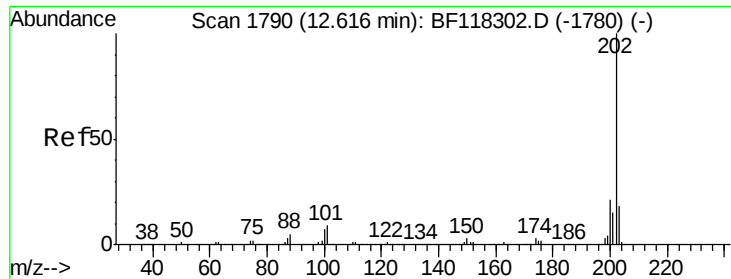
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#75

Fluoranthene

Concen: 35.932 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Instrument :

BNA_F

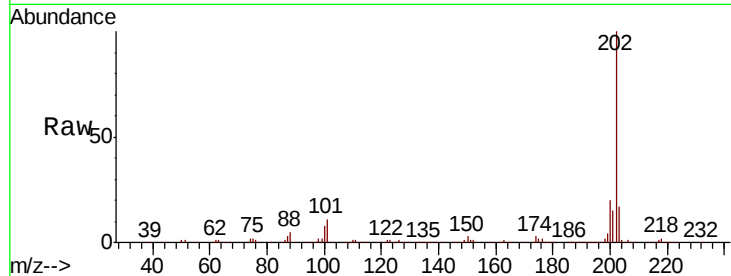
ClientSampleId :

GP-11-(5-6)DL

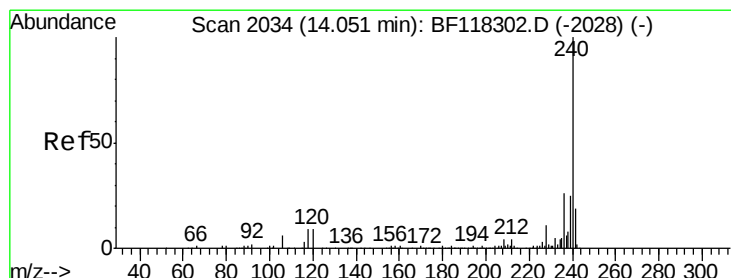
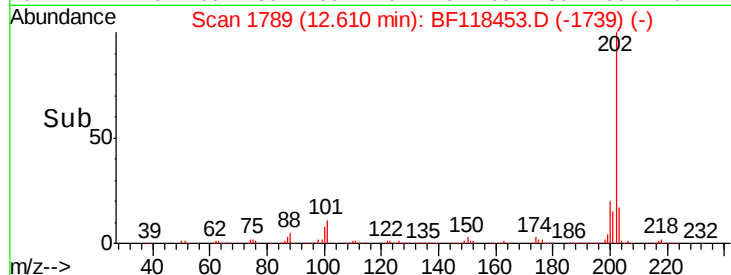
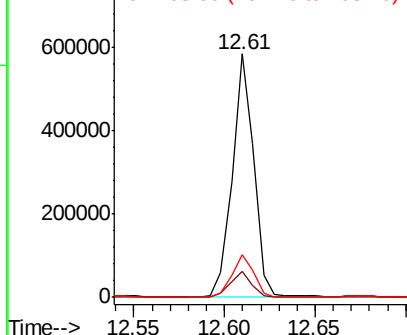
Tot Ion	Ratio	Resp	Lower	Upper
202	100	485316		
101	10.5	0.0	29.5	
203	17.4	0.0	37.6	

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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

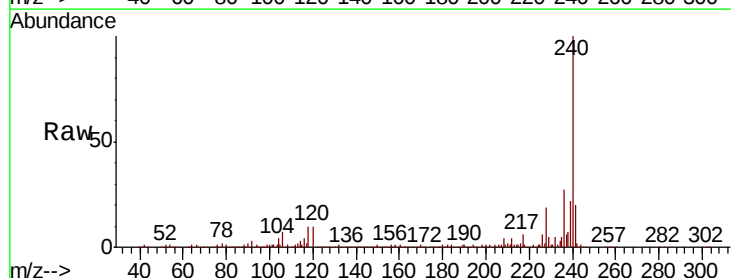
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

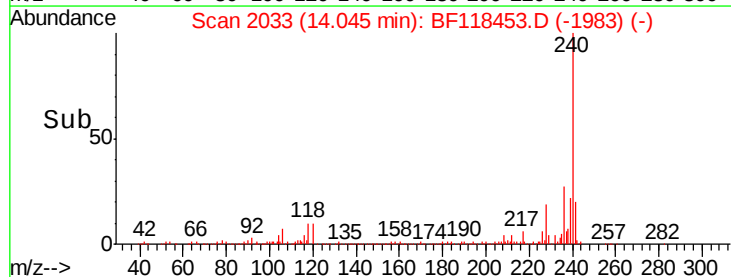
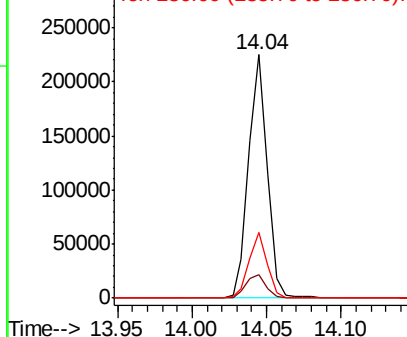
Lab File: BF118453.D

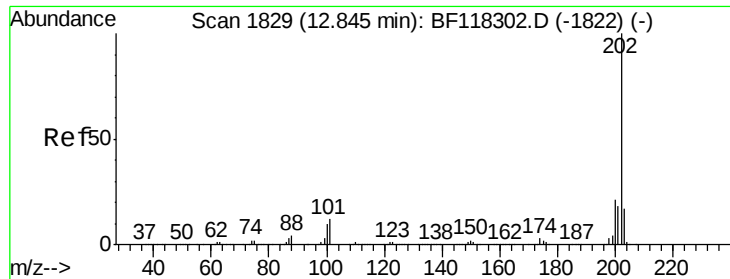
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	195029		
120	9.7	7.1	10.7	
236	26.8	21.0	31.6	



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





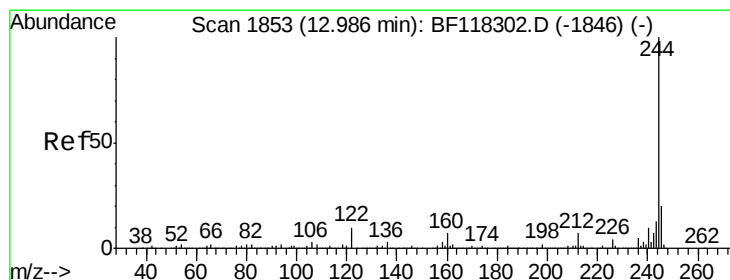
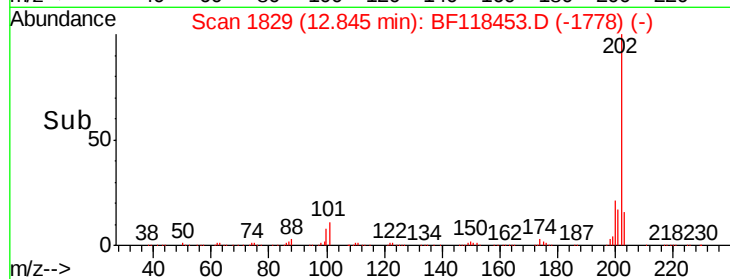
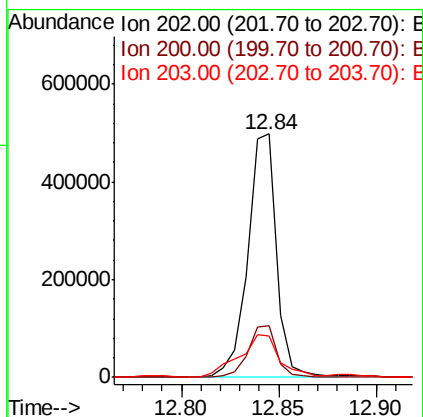
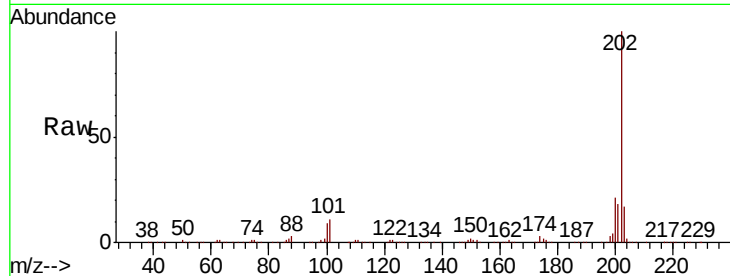
#78
Pvrene
Concen: 31.800 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.0	13.9	20.9

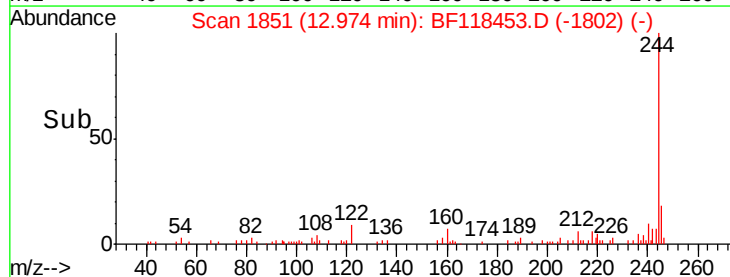
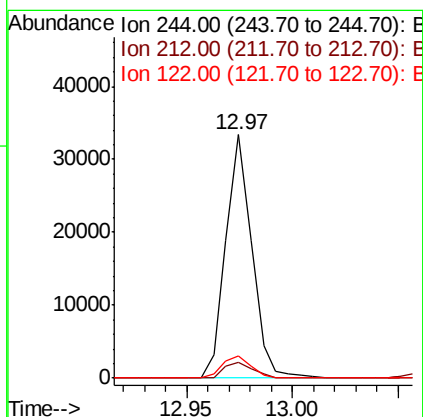
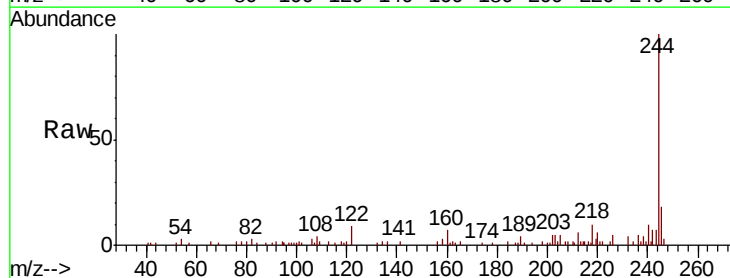
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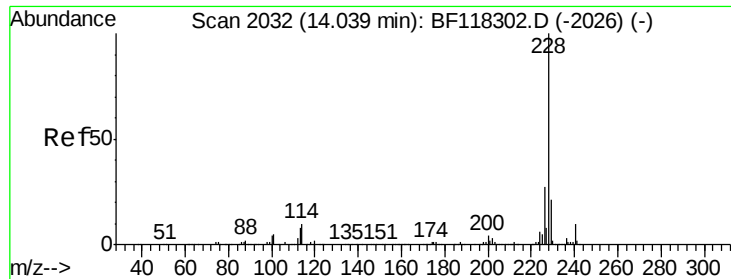
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#79
Terphenyl-d14
Concen: 2.439 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.2	7.8	11.8





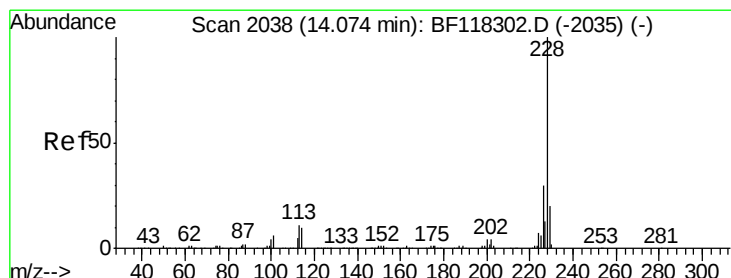
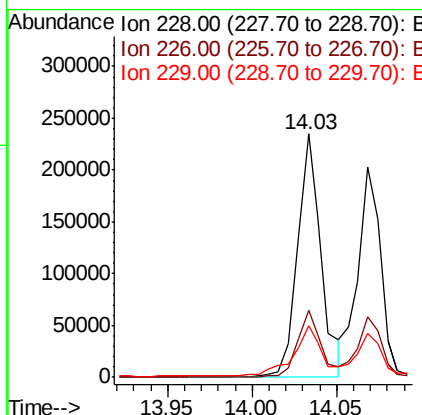
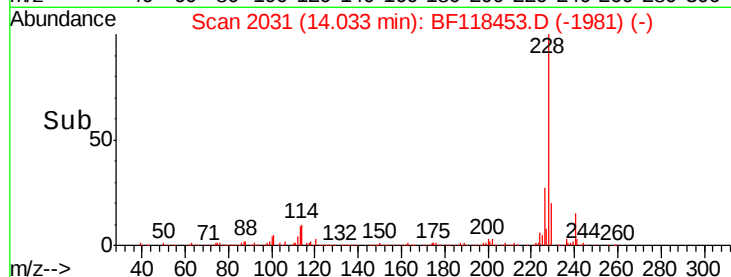
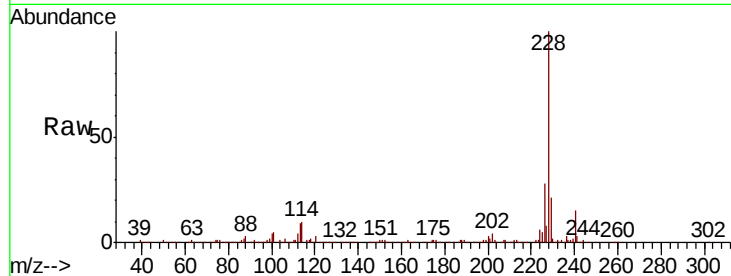
#81
Benzo(a)anthracene
Concen: 16.696 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	21.1	16.6	24.8

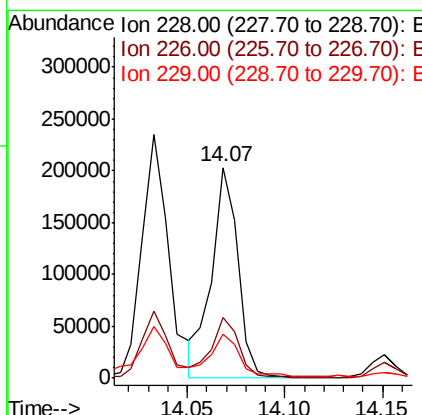
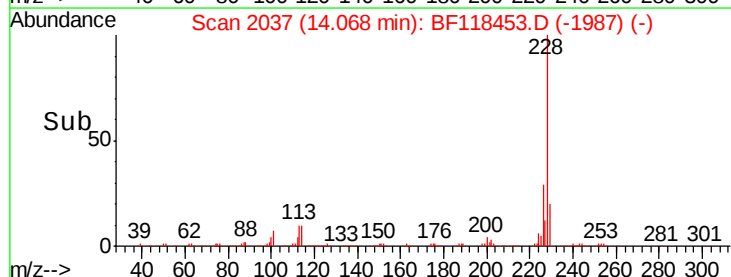
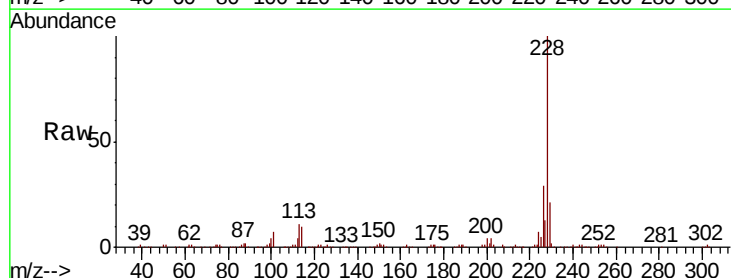
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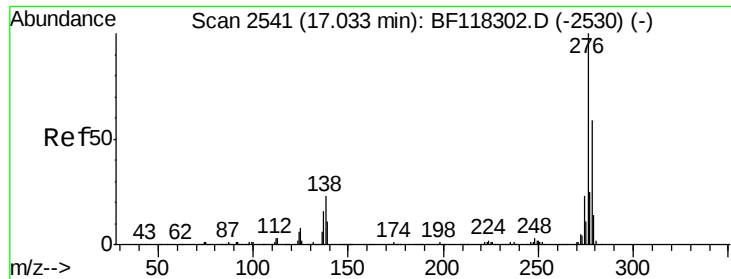
mohammad
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#83
Chrysene
Concen: 14.594 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.9	35.9
229	21.0	16.1	24.1





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.432 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF118453.D

Acq: 2 Jan 2020 23:30

Instrument :

BNA_F

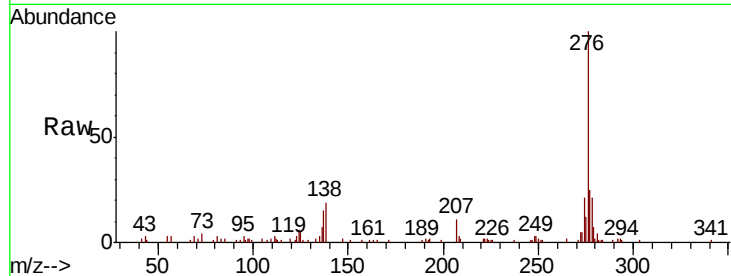
ClientSampleId :

GP-11-(5-6)DL

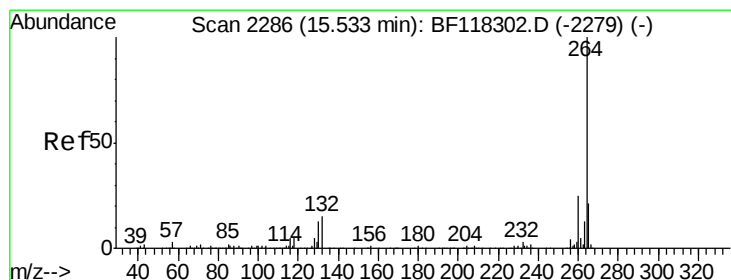
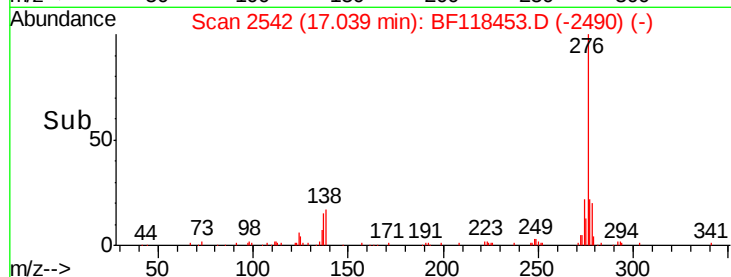
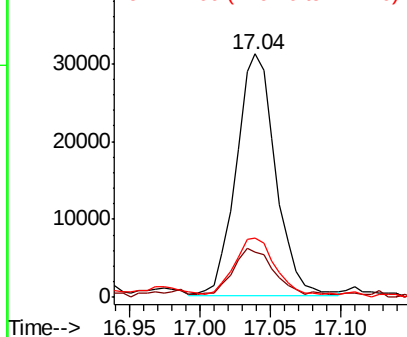
Tot Ion:	276	Resp:	60500
Ion Ratio	Lower	Upper	
276	100		
138	20.0	19.5	29.3
277	23.7	20.6	30.8

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

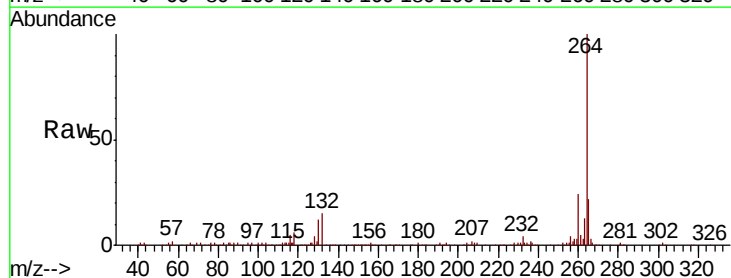
RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

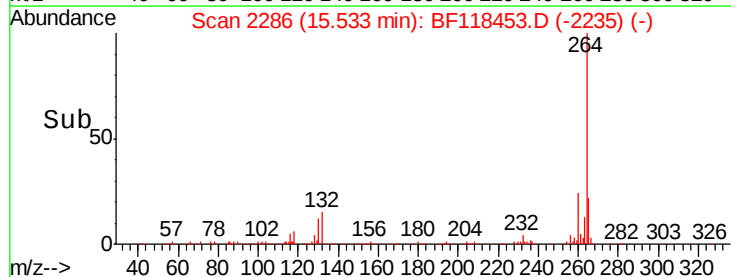
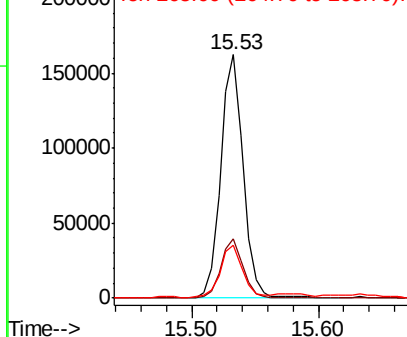
Lab File: BF118453.D

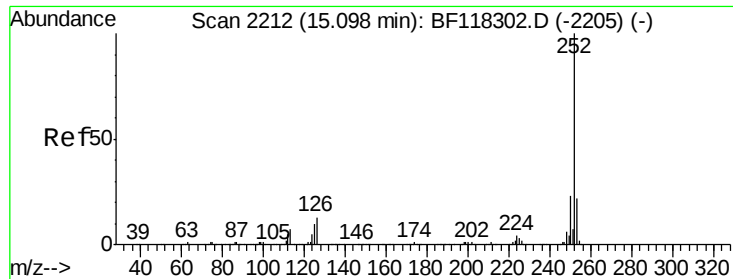
Acq: 2 Jan 2020 23:30

Tgt Ion:	264	Resp:	199987
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.8	29.6
265	22.0	17.0	25.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





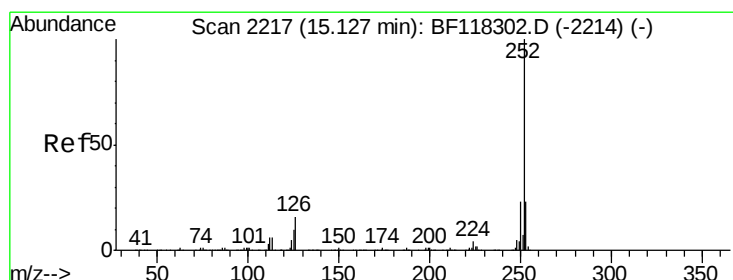
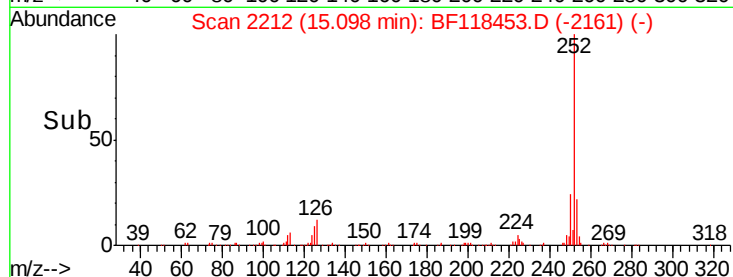
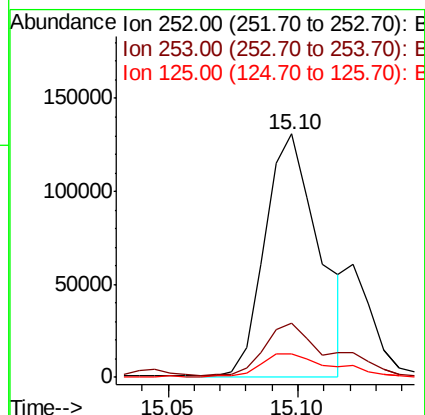
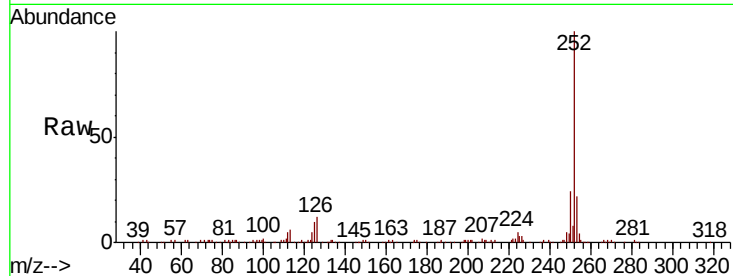
#88
Benzo(b)fluoranthene
Concen: 14.387 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.6	7.7	11.5

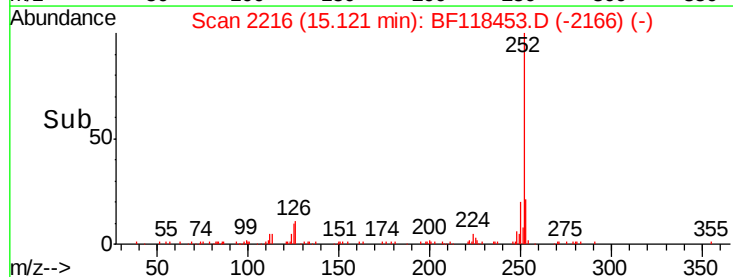
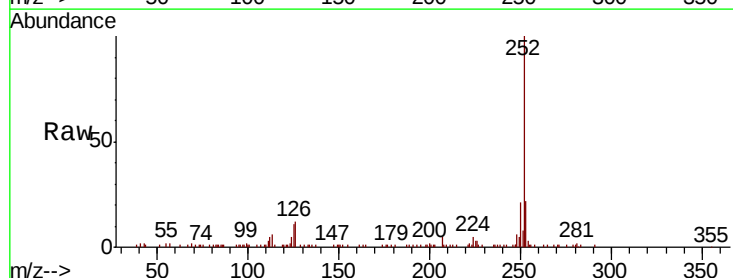
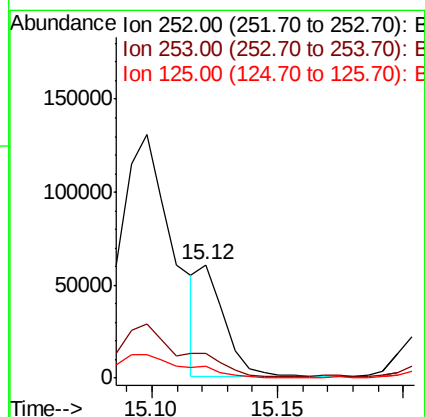
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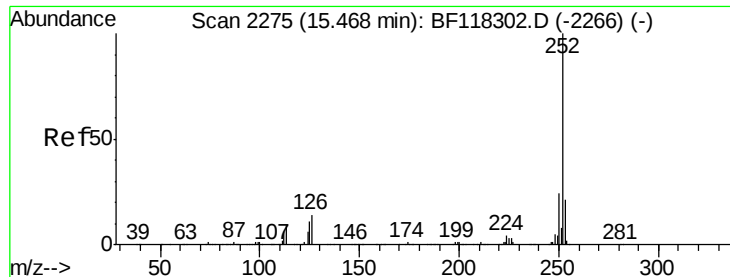
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.414 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	10.7	8.0	12.0





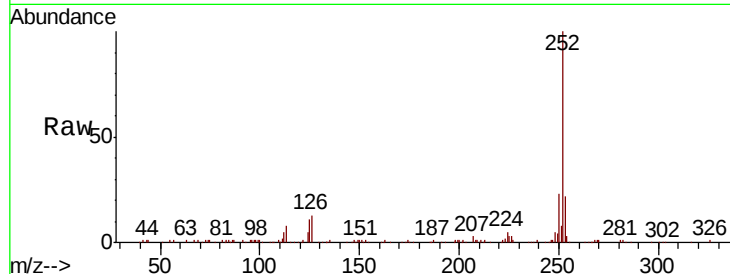
#90
Benzo(a)pyrene
Concen: 12.041 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Instrument :
BNA_F
ClientSampleId :
GP-11-(5-6)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	10.9	9.0	13.4

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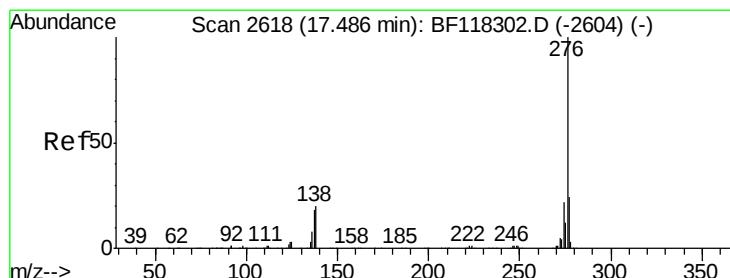
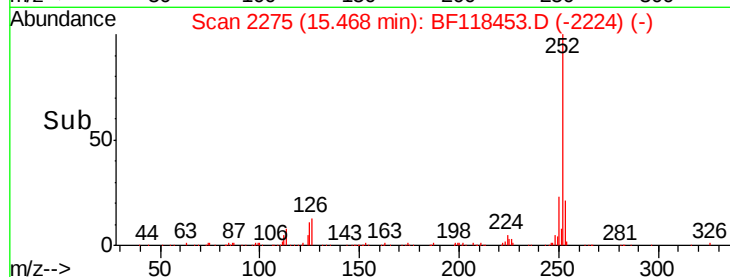
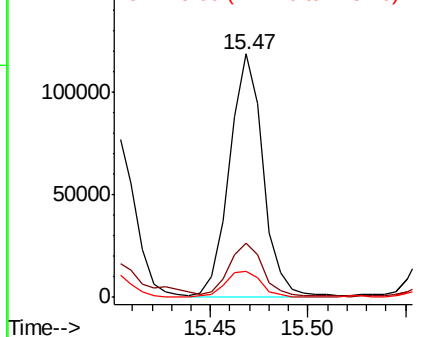


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 5.533 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF118453.D
Acq: 2 Jan 2020 23:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	22.5	16.1	24.1

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

