

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119461.D
 Acq On : 20 Mar 2020 2:15
 Operator : CG/JU
 Sample : L1964-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2000448388

Quant Time: Mar 20 03:53:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

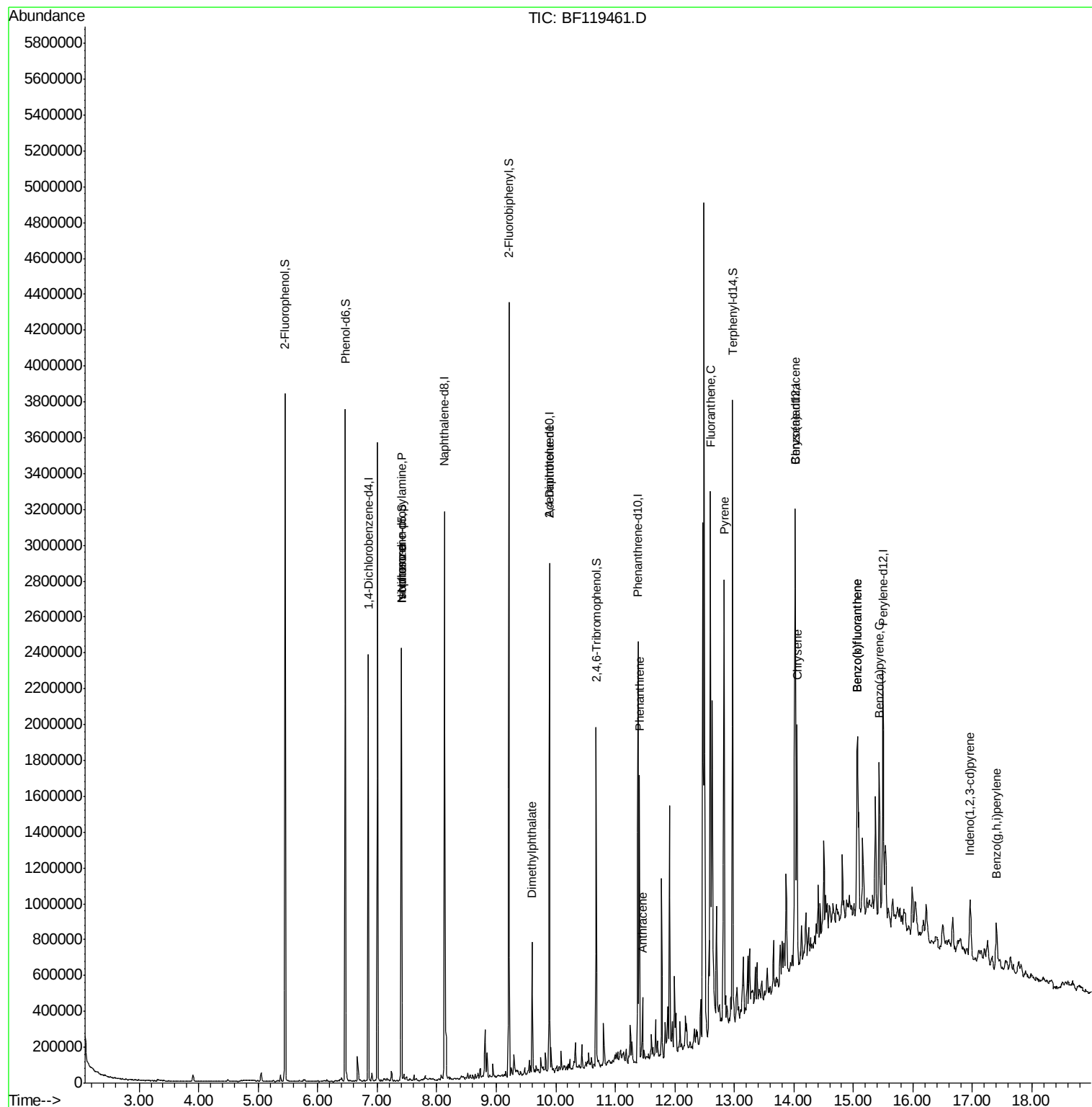
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	339856	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1237960	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	531195	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	817524	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	679991	20.00	ng	0.00
87) Perylene-d12	15.50	264	637795	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1010662	47.34	ng	0.00
7) Phenol-d6	6.46	99	1261961	46.27	ng	-0.01
23) Nitrobenzene-d5	7.41	82	736205	32.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	226872	41.40	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1334583	37.22	ng	-0.01
79) Terphenyl-d14	12.97	244	1163726	33.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	96665	5.88	ng	Qvalue # 75
25) Isophorone	7.41	82	733602	15.88	ng	# 66
50) Dimethylphthalate	9.60	163	239543	6.35	ng	100
57) 2,4-Dinitrotoluene	9.89	165	69783	6.85	ng	# 25
71) Phenanthrene	11.40	178	506425	11.95	ng	99
72) Anthracene	11.46	178	140324	3.26	ng	96
75) Fluoranthene	12.60	202	1038966	22.65	ng	97
78) Pyrene	12.83	202	1029432	18.45	ng	98
81) Benzo(a)anthracene	14.02	228	557109	12.60	ng	99
83) Chrysene	14.05	228	484023	10.61	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	236249	5.50	ng	# 92
88) Benzo(b)fluoranthene	15.07	252	793016	18.61	ng	96
89) Benzo(k)fluoranthene	15.07	252	793016	19.55	ng	96
90) Benzo(a)pyrene	15.43	252	408206	10.54	ng	98
92) Benzo(g,h,i)perylene	17.40	276	219087	6.44	ng	99

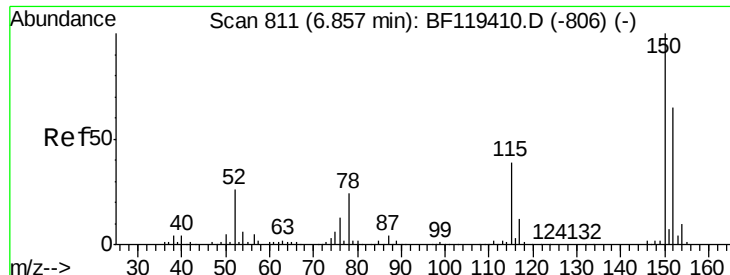
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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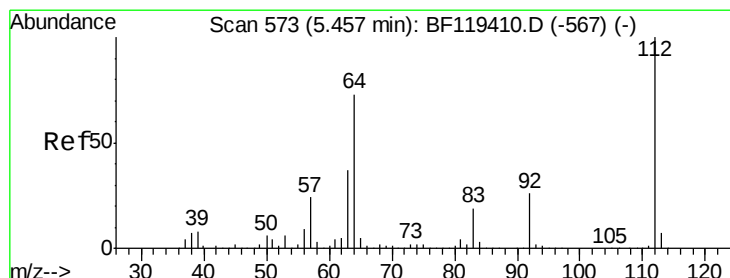
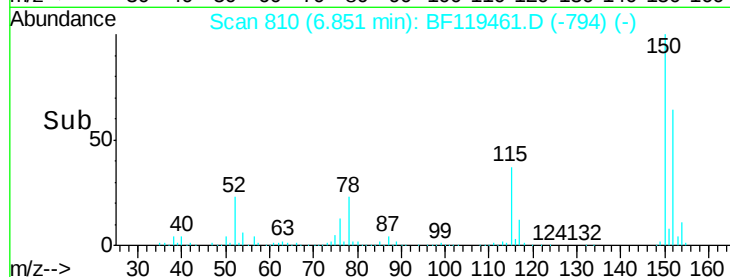
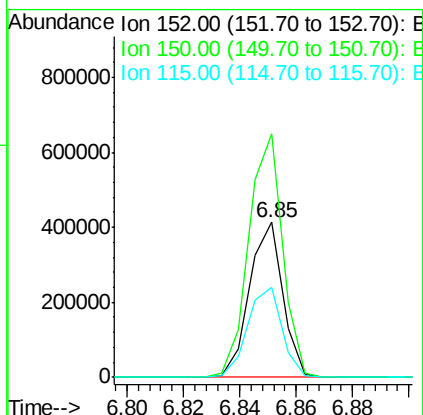
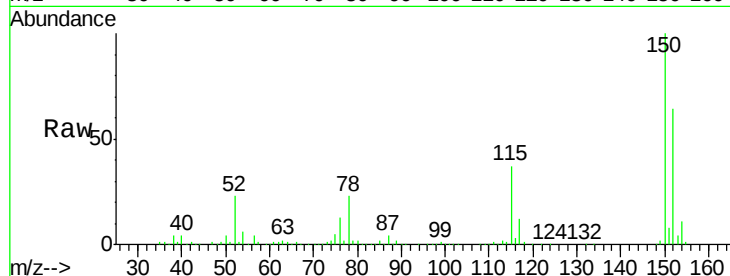


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

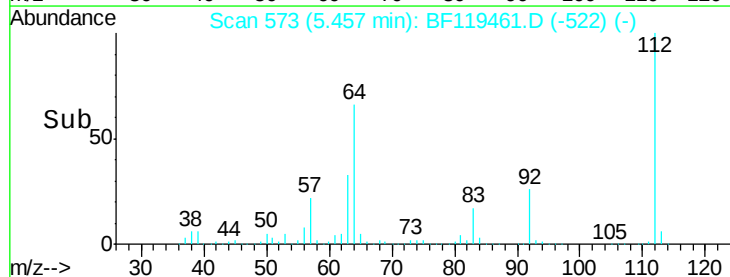
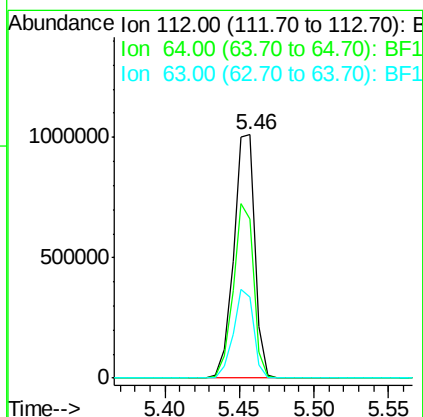
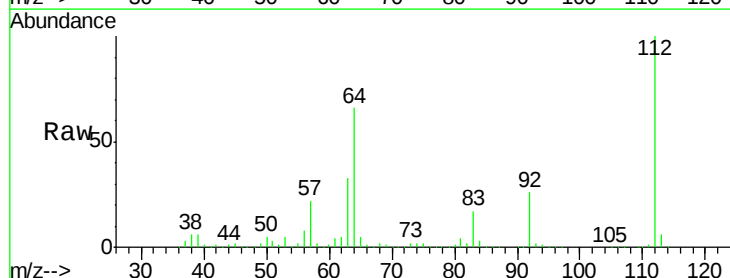
Tgt Ion:152 Resp: 339856
Ion Ratio Lower Upper
152 100
150 156.9 123.9 185.9
115 57.9 47.8 71.6

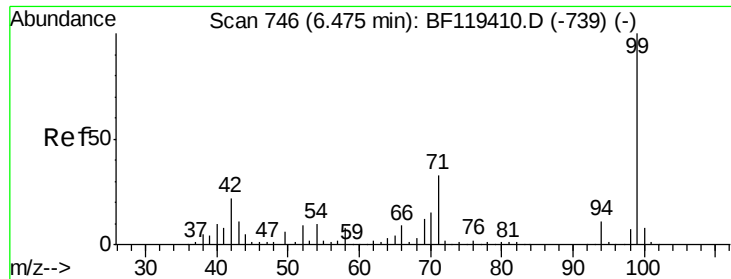


#5

2-Fluorophenol
Concen: 47.34 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion:112 Resp: 1010662
Ion Ratio Lower Upper
112 100
64 65.6 58.1 87.1
63 33.3 29.7 44.5





#7

Phenol-d6

Concen: 46.27 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

ClientSampleId :

2000448388

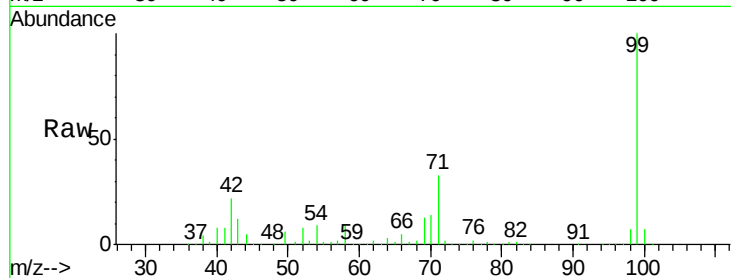
Tgt Ion: 99 Resp: 1261961

Ion Ratio Lower Upper

99 100

42 21.8 17.8 26.6

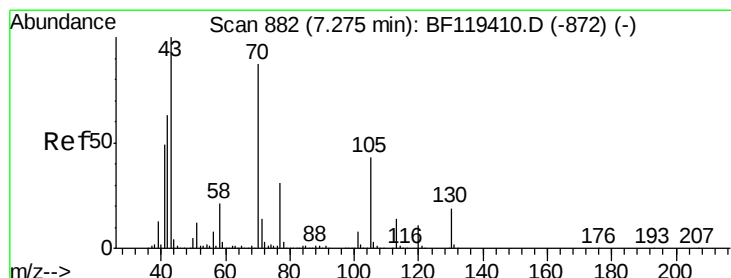
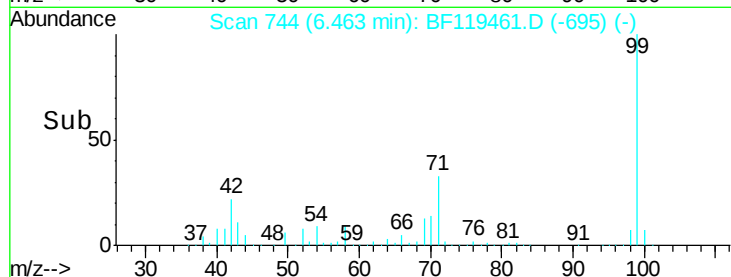
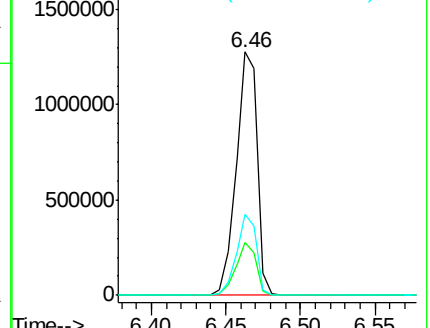
71 33.1 26.0 39.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.88 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.13 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Tgt Ion: 70 Resp: 96665

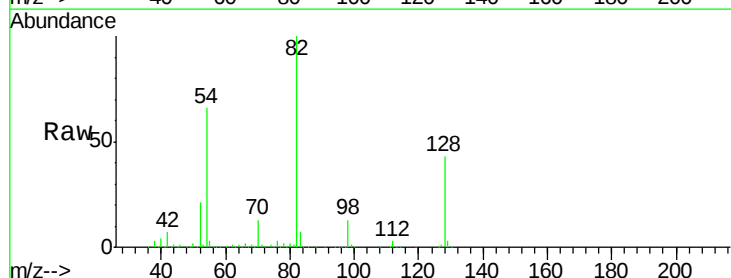
Ion Ratio Lower Upper

70 100

42 56.9 58.2 87.4#

101 0.0 7.4 11.2#

130 2.0 17.8 26.8#

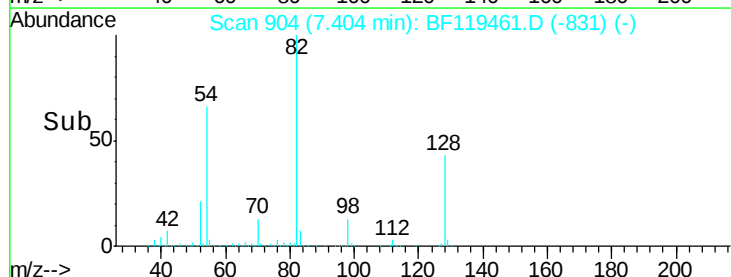
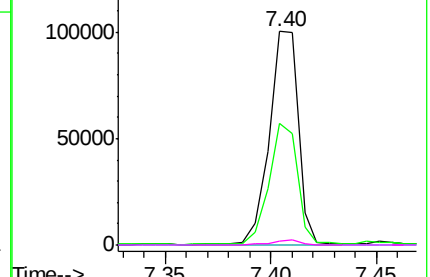


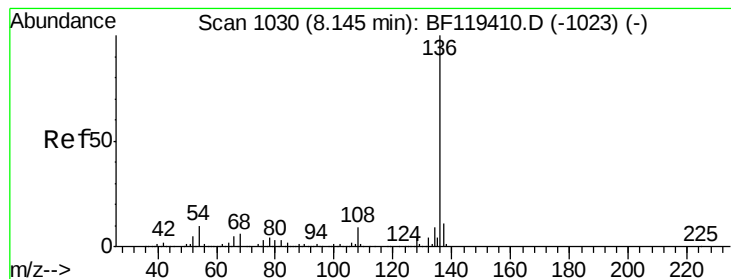
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

ClientSampleId :

2000448388

Tgt Ion:136 Resp: 1237960

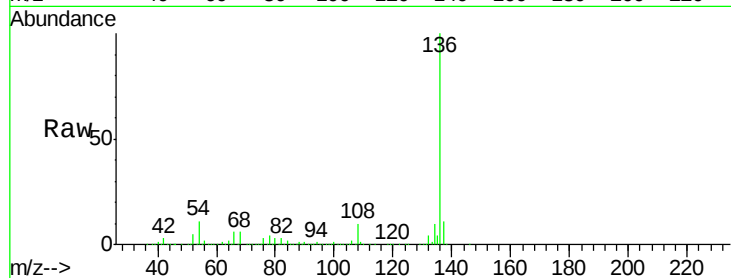
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.1 8.3 12.5

68 6.0 4.9 7.3

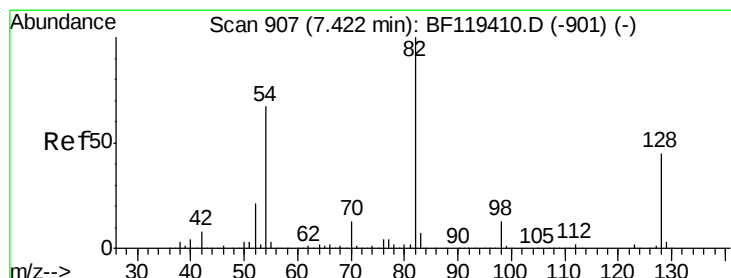
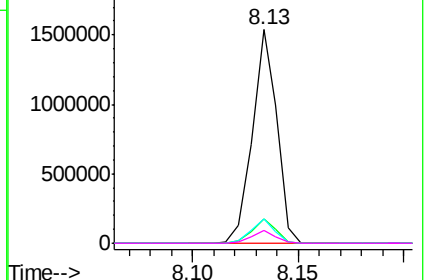
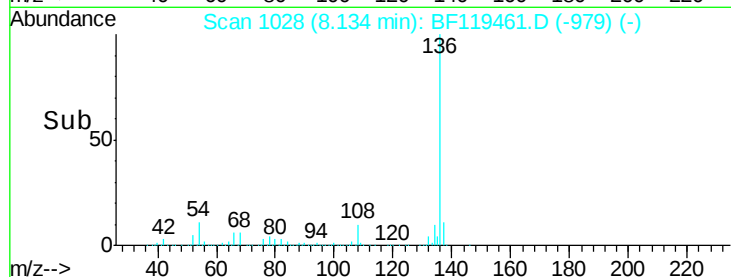


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.32 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

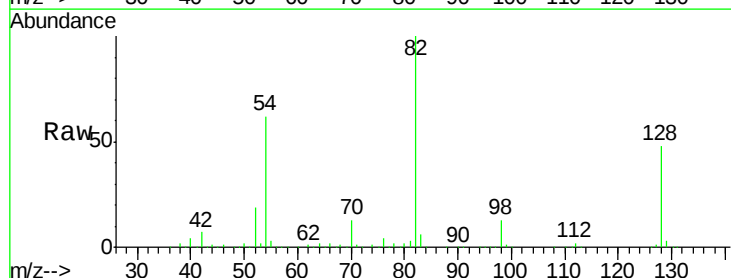
Tgt Ion: 82 Resp: 736205

Ion Ratio Lower Upper

82 100

128 47.9 35.8 53.8

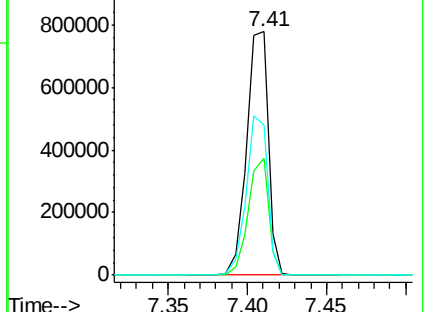
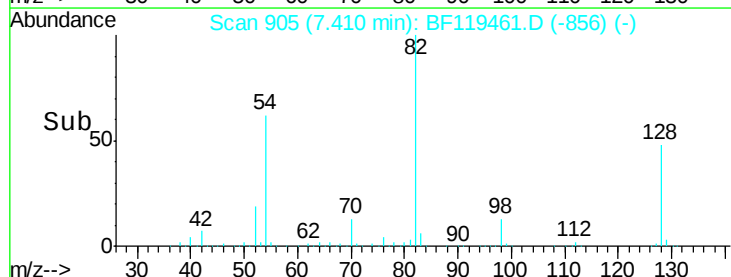
54 61.9 53.4 80.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.88 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

BNA_F

ClientSampleId :

2000448388

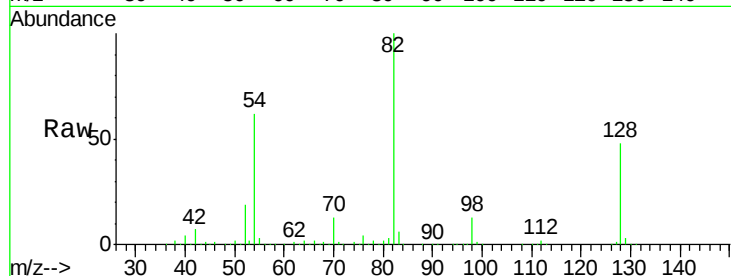
Tgt Ion: 82 Resp: 733602

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

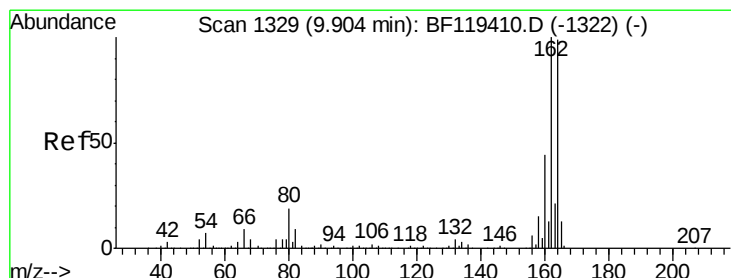
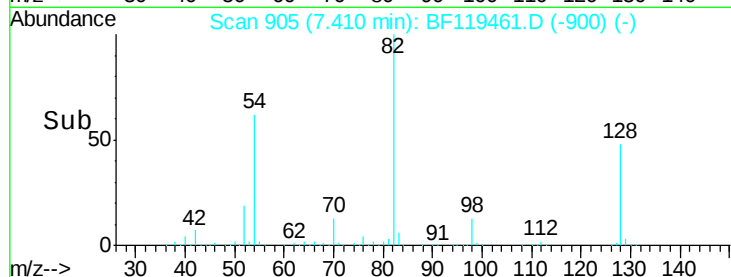
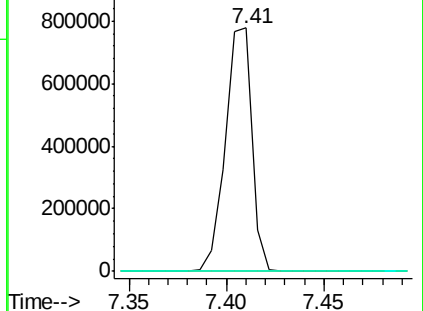
138 0.0 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

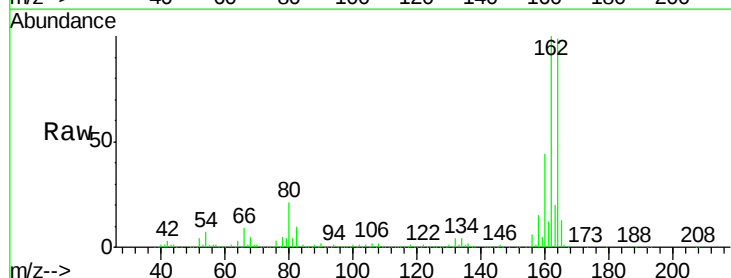
Tgt Ion: 164 Resp: 531195

Ion Ratio Lower Upper

164 100

162 101.1 80.7 121.1

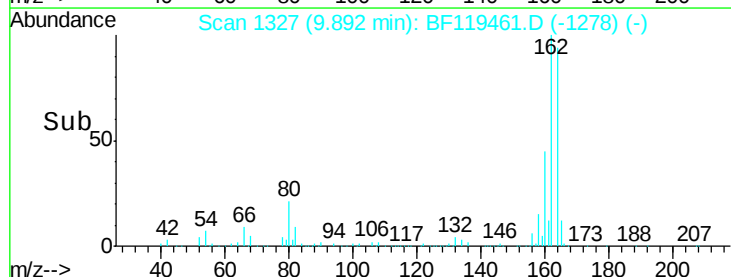
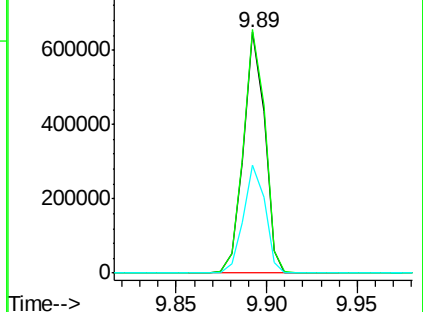
160 44.9 35.5 53.3



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: 41.40 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

Instrument :

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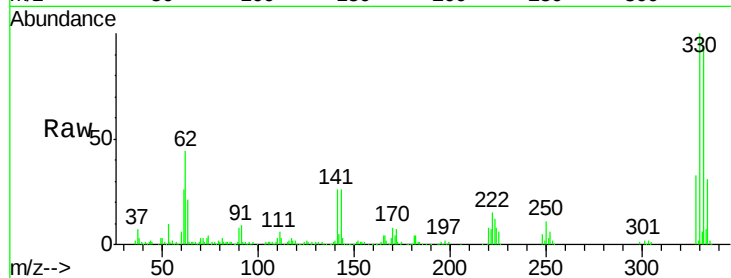
Tgt Ion:330 Resp: 226872

Ion Ratio Lower Upper

330 100

332 94.2 77.6 116.4

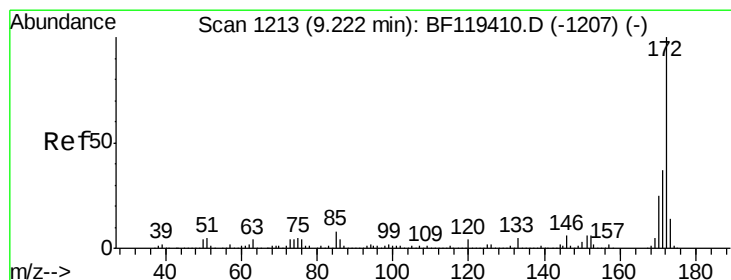
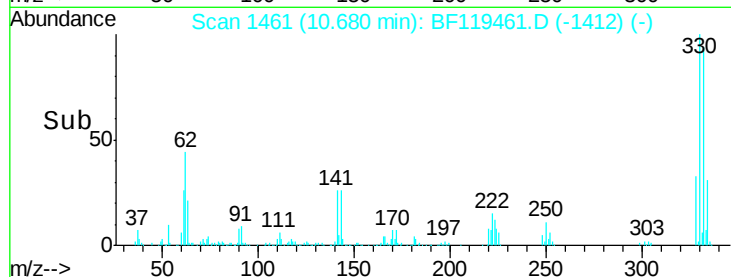
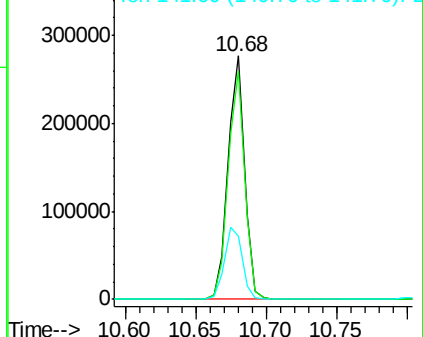
141 31.5 26.6 40.0



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: 37.22 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF119461.D

Acq: 20 Mar 2020 2:15

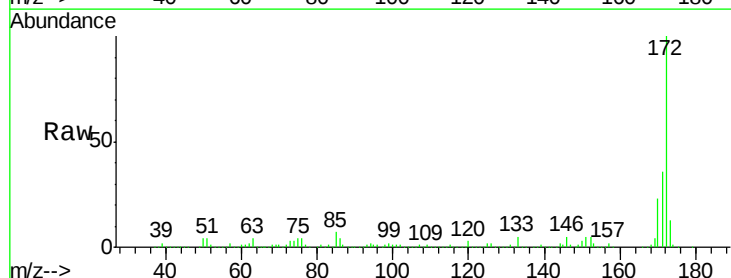
Tgt Ion:172 Resp: 1334583

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

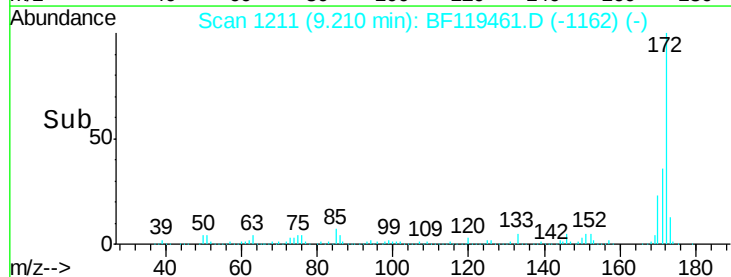
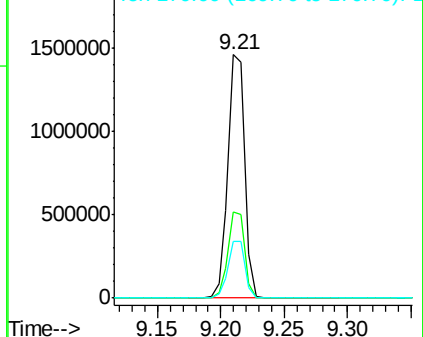
170 23.5 20.1 30.1

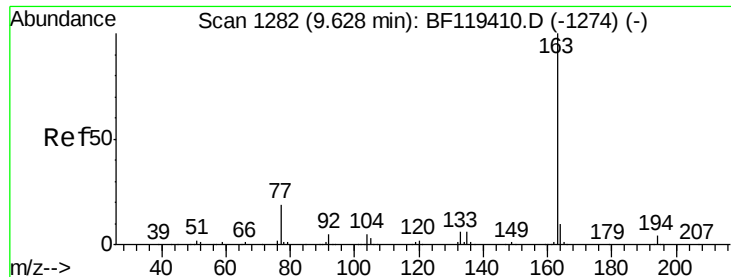


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

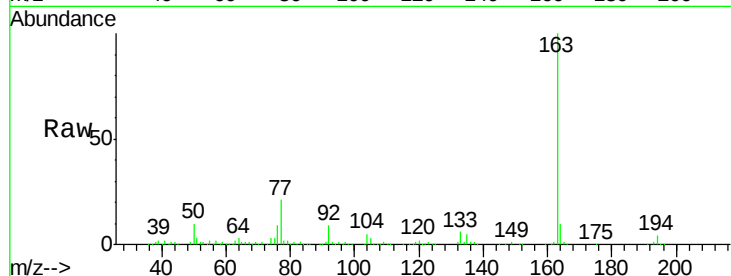




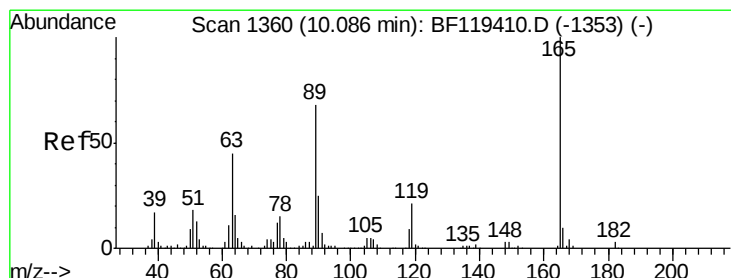
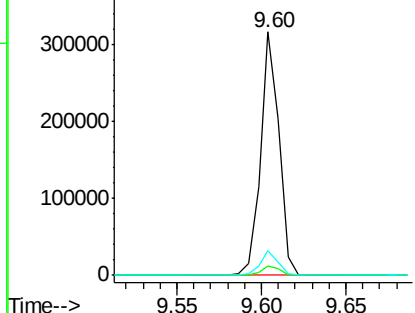
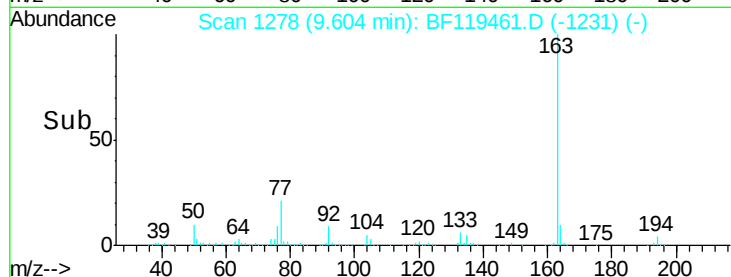
#50
Dimethylphthalate
Concen: 6.35 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	8.1	12.1

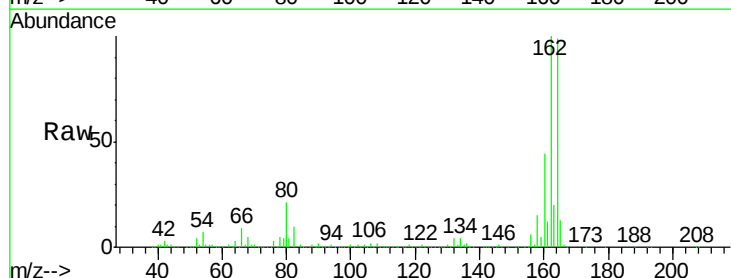


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

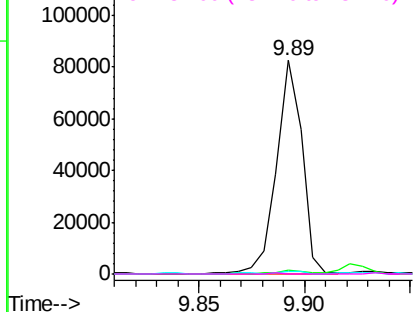
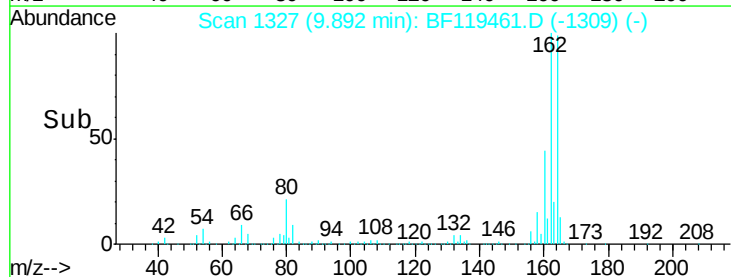


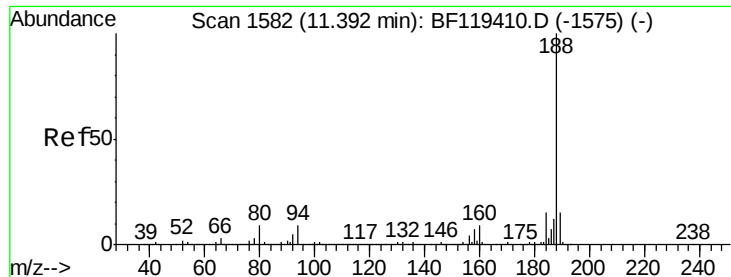
#57
2,4-Dinitrotoluene
Concen: 6.85 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.2	54.4#
89	1.3	54.3	81.5#
182	0.0	2.0	3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

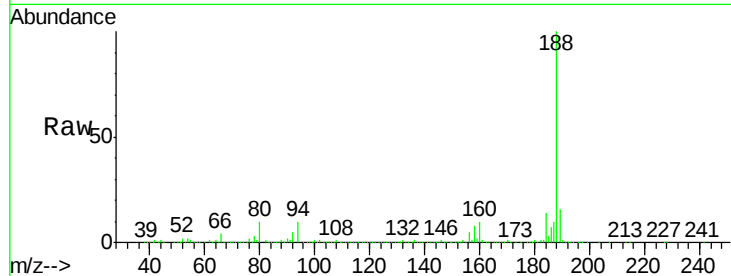




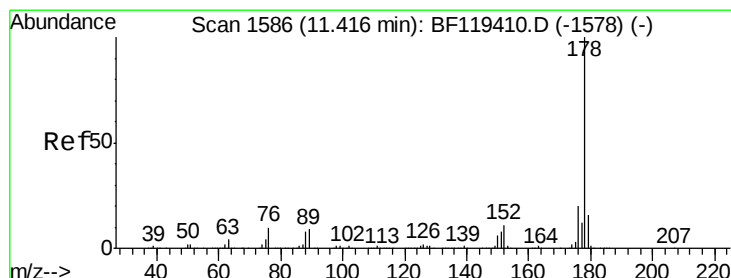
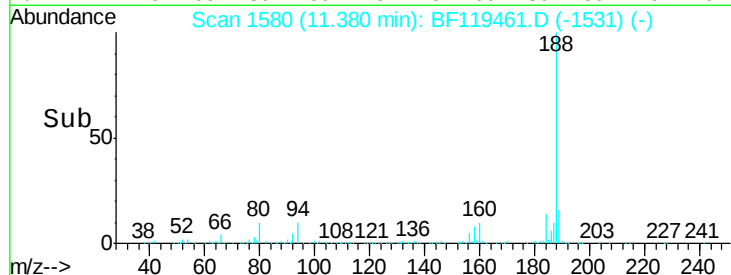
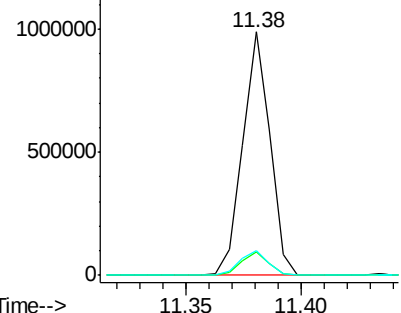
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Instrument :
BNA_F
ClientSampleId :
2000448388

Tgt Ion:188 Resp: 817524
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 10.3 7.5 11.3

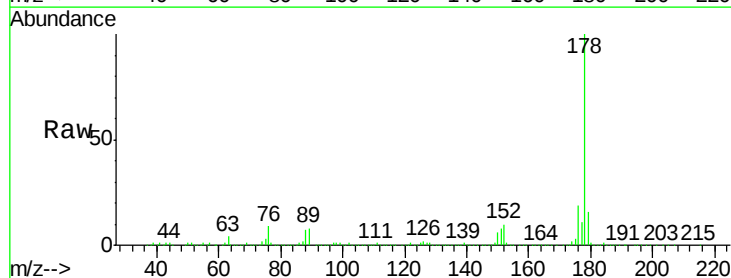


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 11.95 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF119461.D
Acq: 20 Mar 2020 2:15

Tgt Ion:178 Resp: 506425
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 16.0 12.9 19.3



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

