

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
 Data File : BF121206.D
 Acq On : 6 Aug 2020 17:12
 Operator : JU/CG
 Sample : L3568-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8/5-F-J

Quant Time: Aug 06 17:42:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	120244	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	465085	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	244678	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	479426	20.00	ng	0.00
76) Chrysene-d12	13.96	240	427708	20.00	ng	0.00
86) Perylene-d12	15.40	264	382575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	539630	73.57	ng	-0.01
7) Phenol-d6	6.43	99	661089	69.77	ng	-0.02
23) Nitrobenzene-d5	7.35	82	418704	52.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	203690	76.05	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	818220	49.93	ng	-0.01
79) Terphenyl-d14	12.90	244	921767	46.85	ng	0.00

Target Compounds

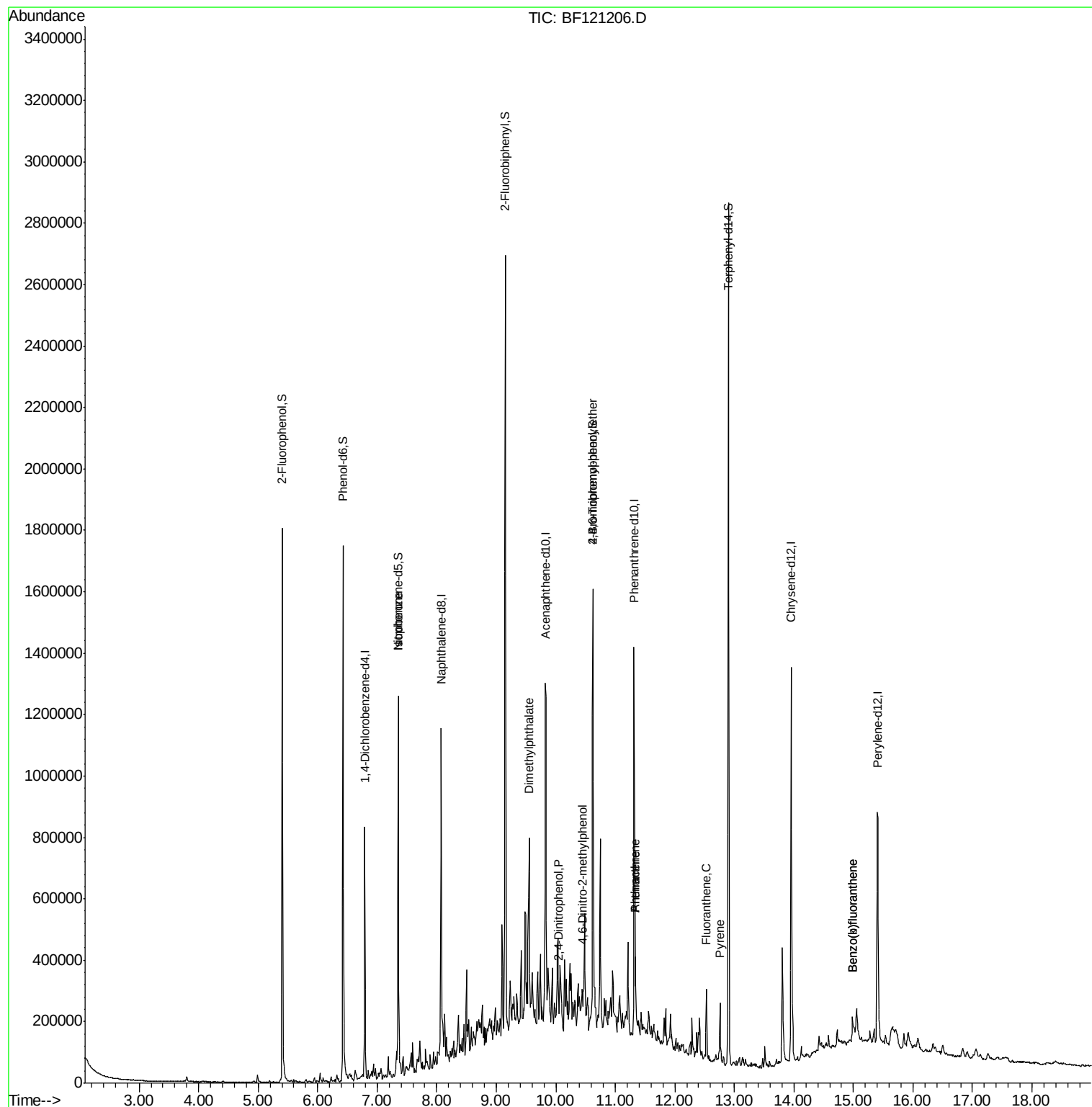
						Qvalue
9) Benzaldehyde	6.35	77	265	Below Cal	#	1
25) Isophorone	7.35	82	410186	25.570 ng	#	63
50) Dimethylphthalate	9.55	163	135203	7.659 ng	#	98
54) 2,4-Dinitrophenol	10.05	184	275	6.948 ng	#	1
65) 4,6-Dinitro-2-methylphenol	10.45	198	107	3.878 ng	#	1
67) 4-Bromophenyl-phenylether	10.62	248	11887	2.224 ng	#	1
71) Phenanthrene	11.34	178	84662	3.434 ng		98
72) Anthracene	11.34	178	84662	3.419 ng		98
75) Fluoranthene	12.53	202	97048	3.551 ng		98
78) Pyrene	12.76	202	82349	2.723 ng		96
88) Benzo(b)fluoranthene	14.99	252	53504	2.314 ng	#	95
89) Benzo(k)fluoranthene	14.99	252	53504	2.537 ng	#	95

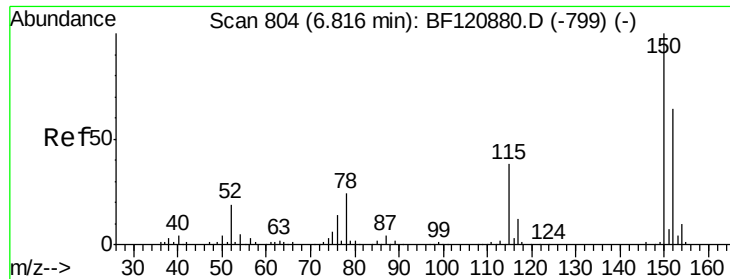
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampleId :

8/5-F-J

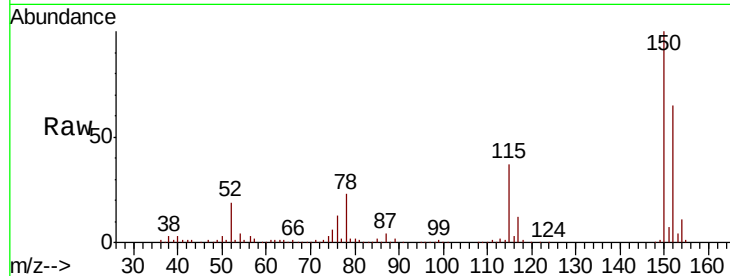
Tot Ion:152 Resp: 120244

Ion Ratio Lower Upper

152 100

150 155.0 125.6 188.4

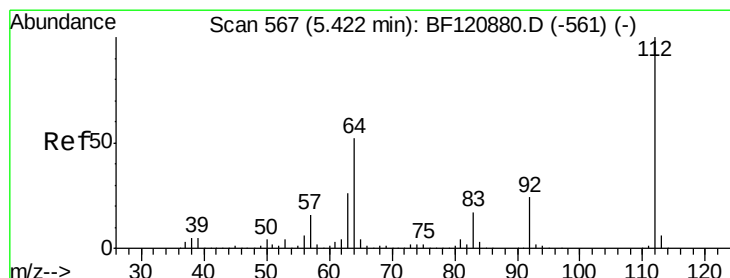
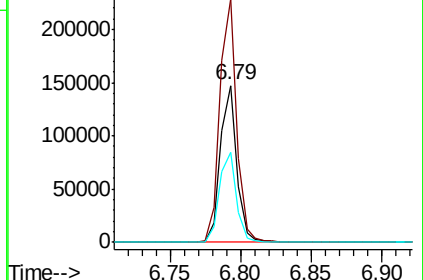
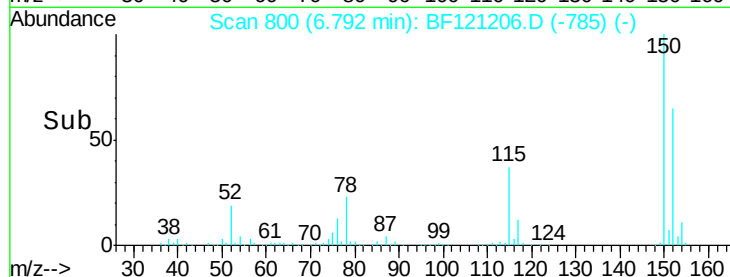
115 57.1 46.2 69.2



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: 73.571 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

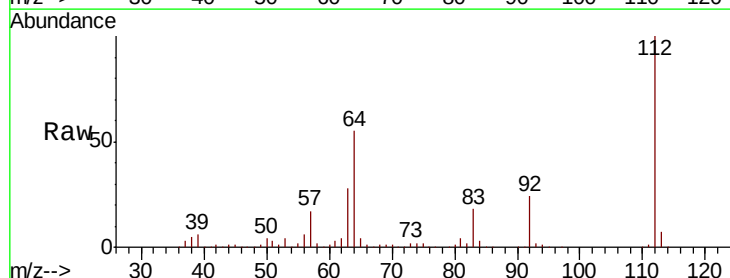
Tgt Ion:112 Resp: 539630

Ion Ratio Lower Upper

112 100

64 54.8 43.9 65.9

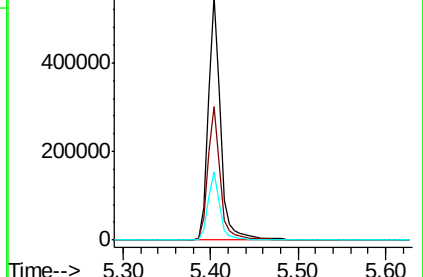
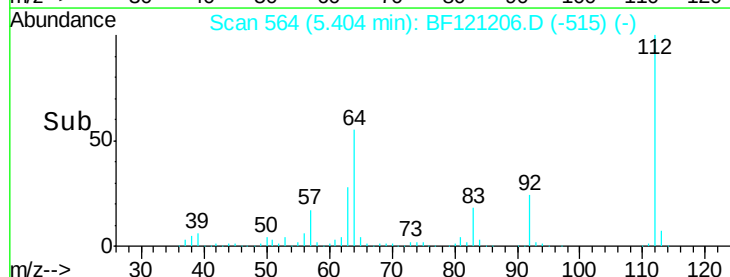
63 27.9 22.7 34.1

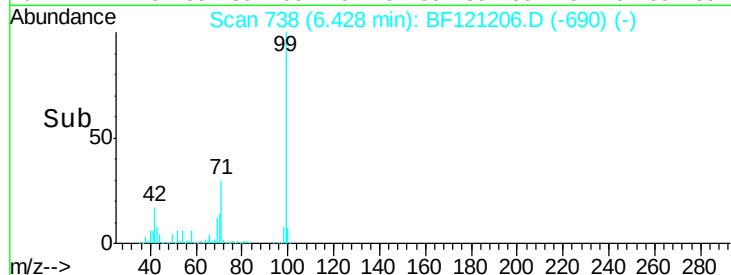
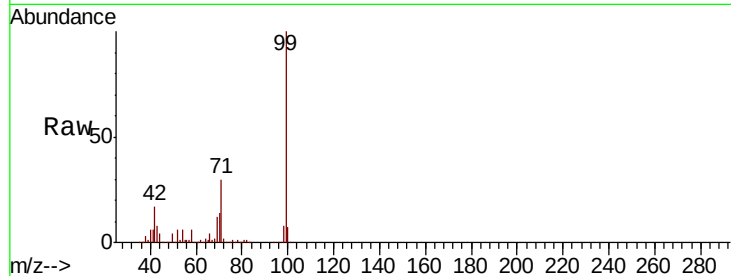
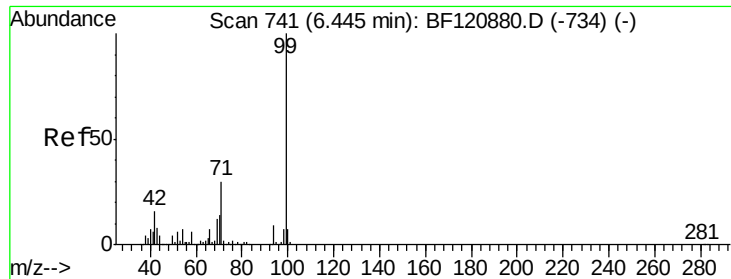


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 69.774 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampled :

8/5-F-J

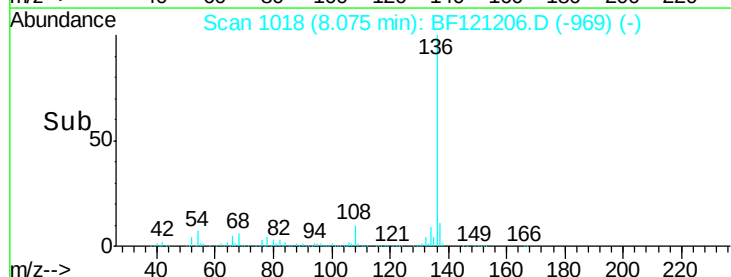
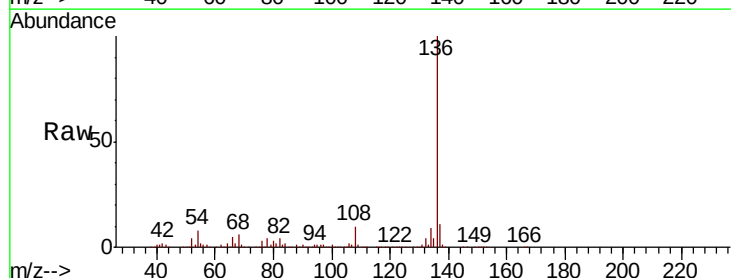
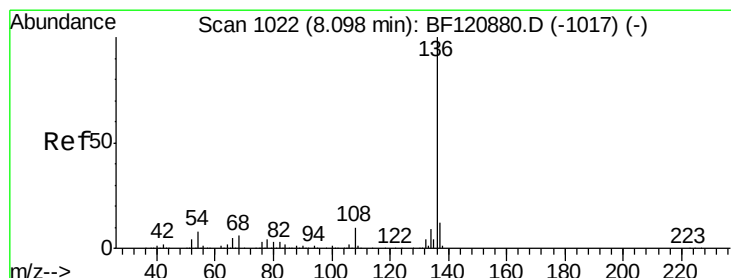
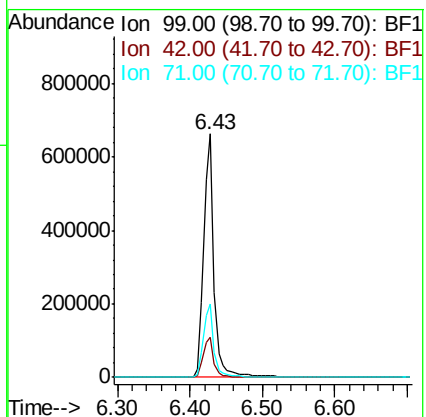
Tot Ion: 99 Resp: 661089

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

71 30.1 25.0 37.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Tgt Ion: 136 Resp: 465085

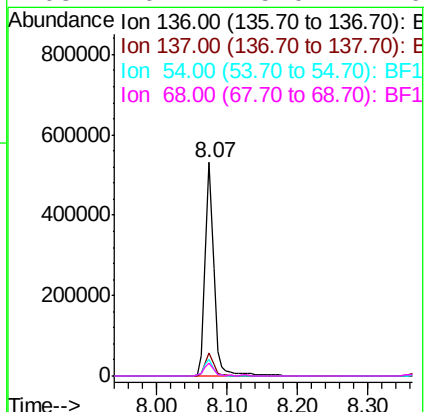
Ion Ratio Lower Upper

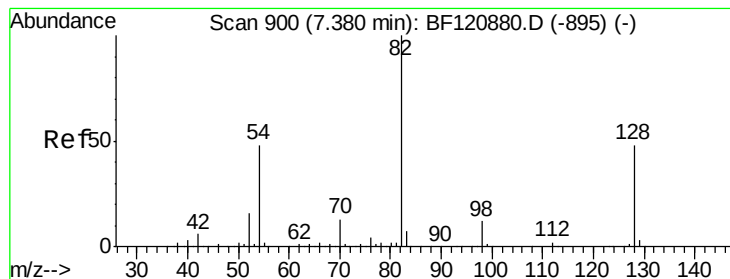
136 100

137 11.0 9.0 13.4

54 7.6 6.1 9.1

68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 52.093 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampled :

8/5-F-J

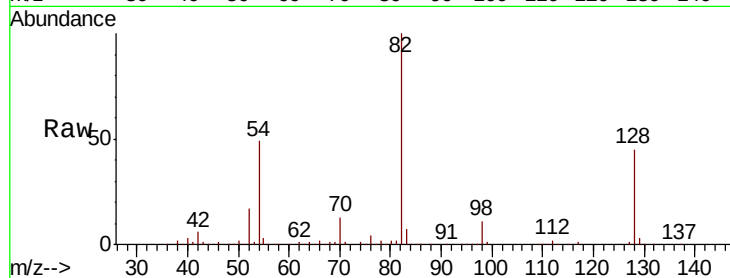
Tot Ion: 82 Resp: 418704

Ion Ratio Lower Upper

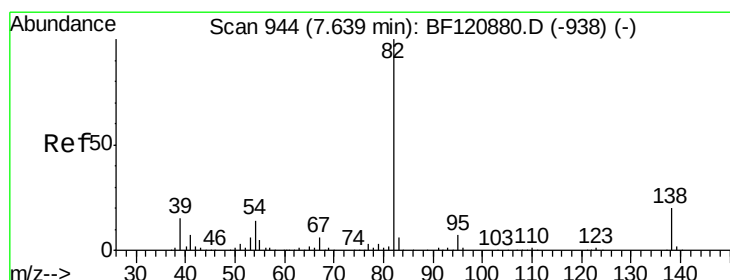
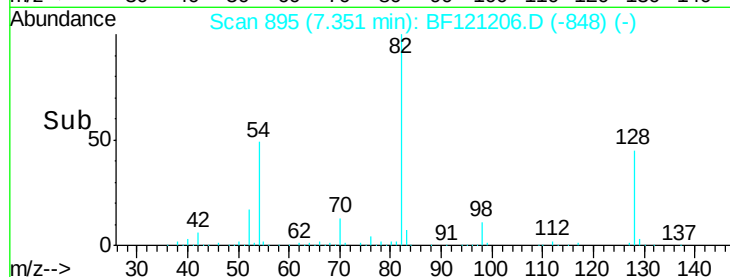
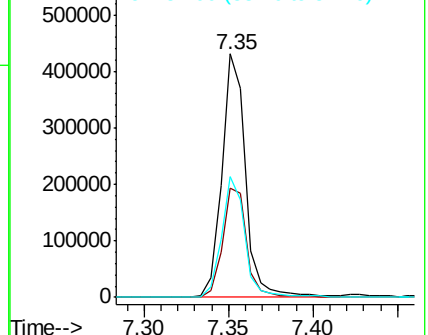
82 100

128 44.7 39.2 58.8

54 49.4 37.8 56.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 25.570 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.28 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

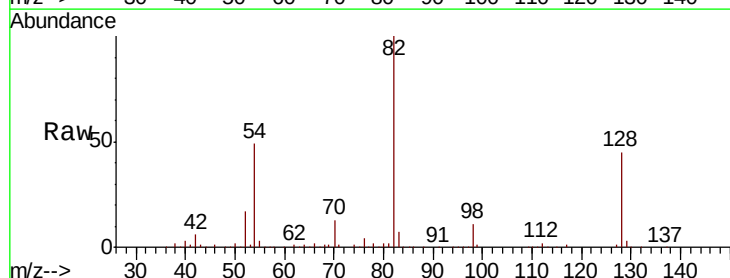
Tgt Ion: 82 Resp: 410186

Ion Ratio Lower Upper

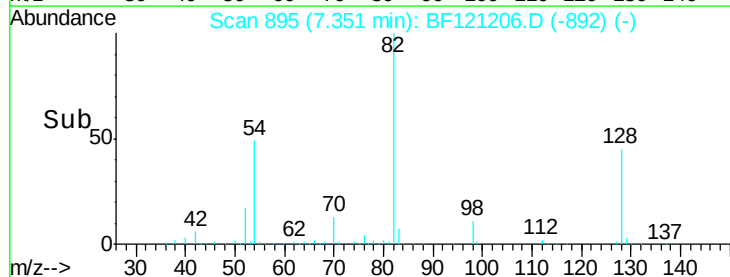
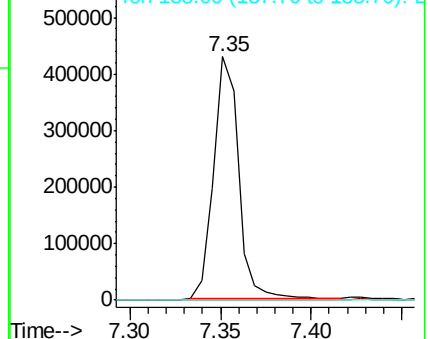
82 100

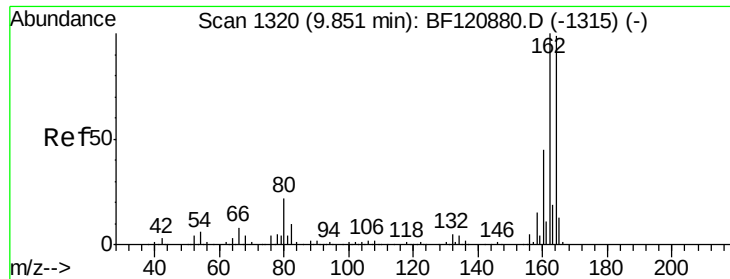
95 0.3 5.5 8.3#

138 0.0 16.2 24.2#



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

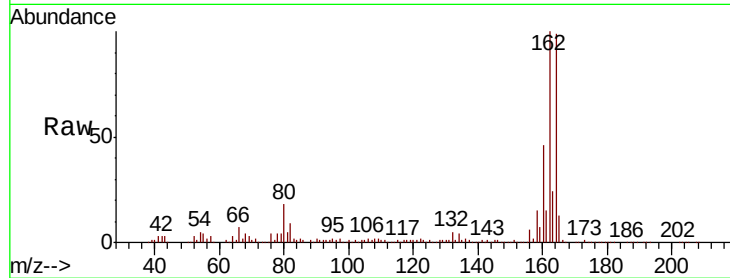




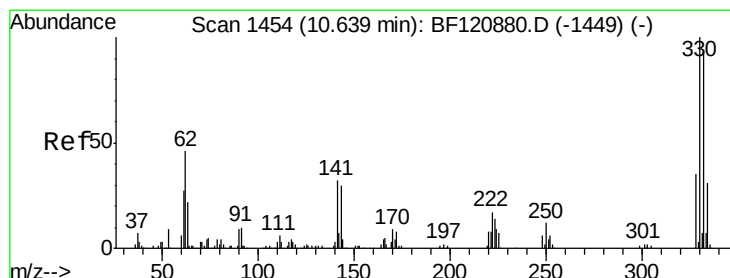
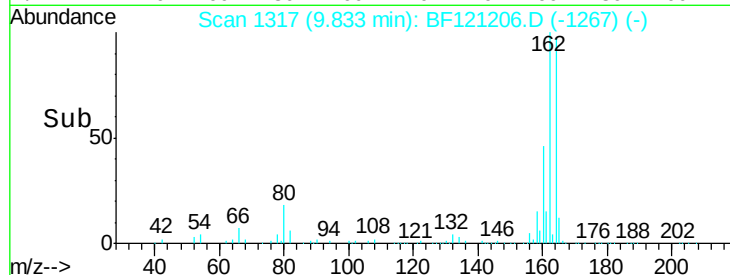
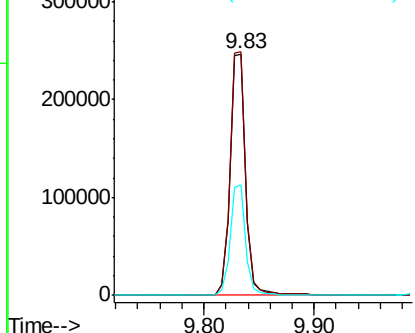
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121206.D
Acq: 6 Aug 2020 17:12

Instrument :
BNA_F
ClientSampleId :
8/5-F-J

Tot Ion:164 Resp: 244678
Ion Ratio Lower Upper
164 100
162 100.8 82.2 123.2
160 46.0 37.2 55.8

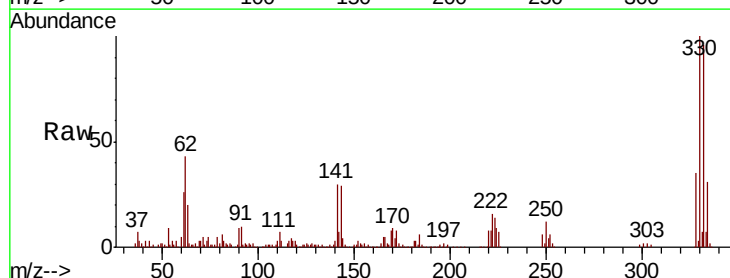


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

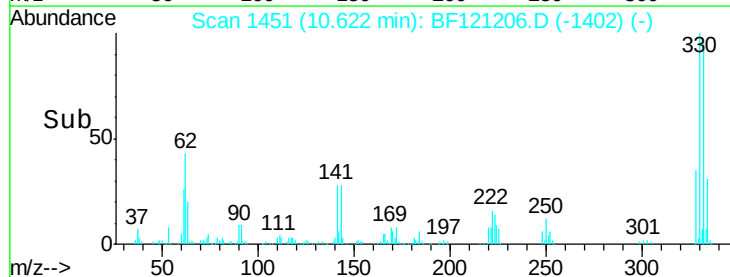
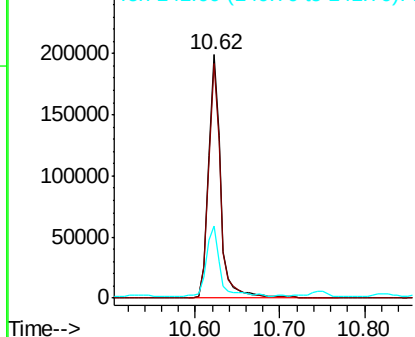


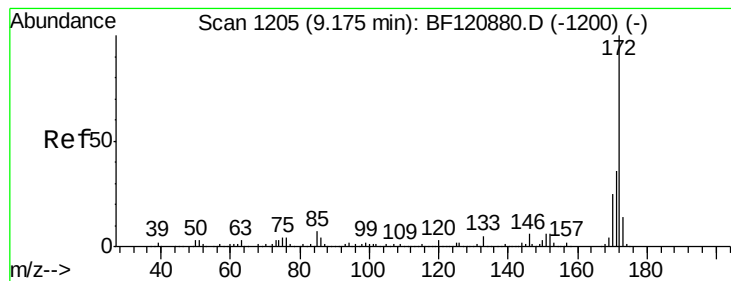
#42
2,4,6-Tribromophenol
Concen: 76.054 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF121206.D
Acq: 6 Aug 2020 17:12

Tgt Ion:330 Resp: 203690
Ion Ratio Lower Upper
330 100
332 96.1 76.1 114.1
141 31.2 24.1 36.1



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

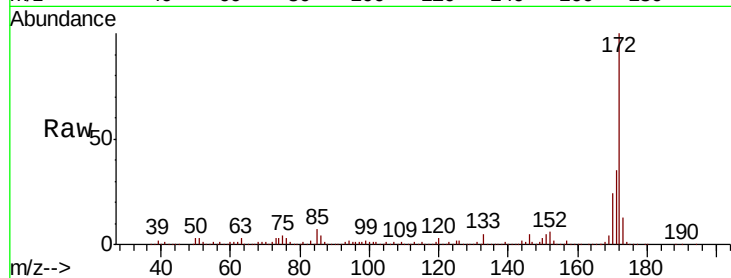




#45
2-Fluorobiphenyl
Concen: 49.928 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121206.D
Acq: 6 Aug 2020 17:12

Instrument :
BNA_F
ClientSampleId :
8/5-F-J

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	23.8	19.6	29.4

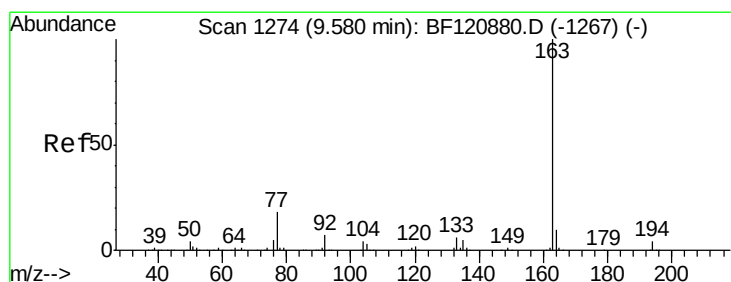
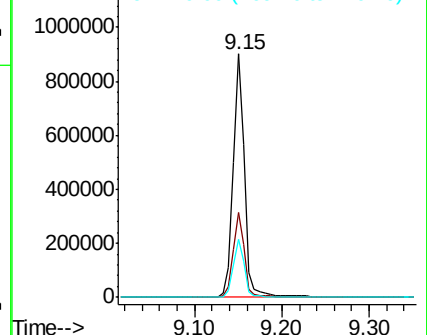
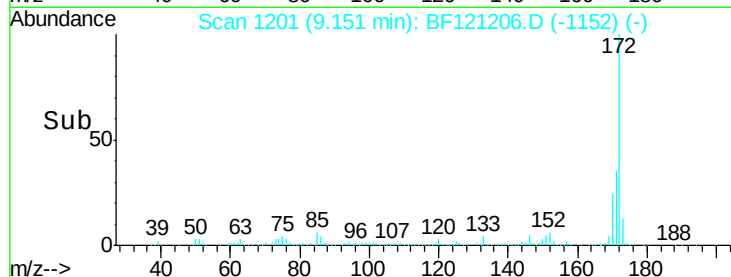


Abundance

Ion 172.00 (171.70 to 172.70): E

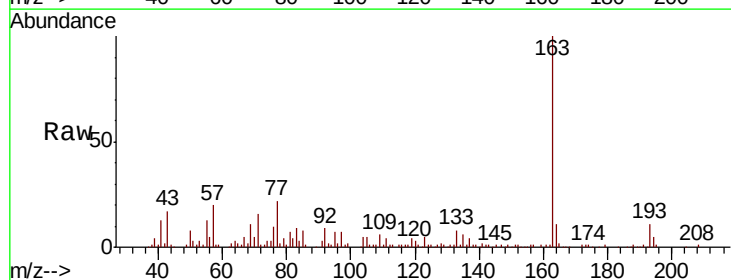
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.659 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF121206.D
Acq: 6 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.0	4.4#
164	10.6	8.4	12.6

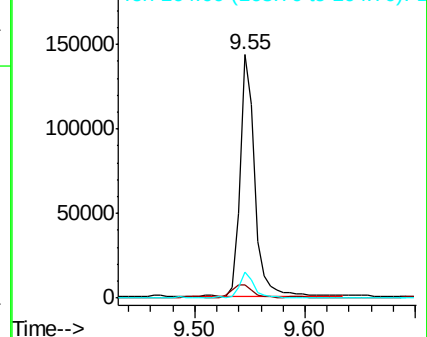
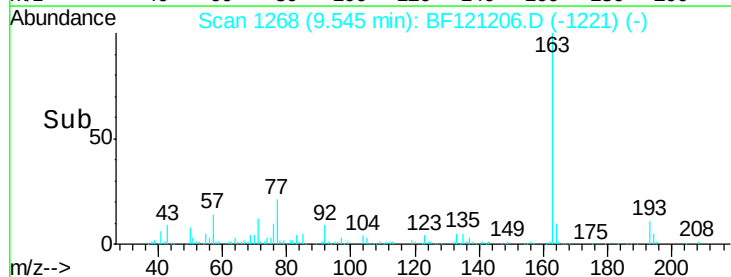


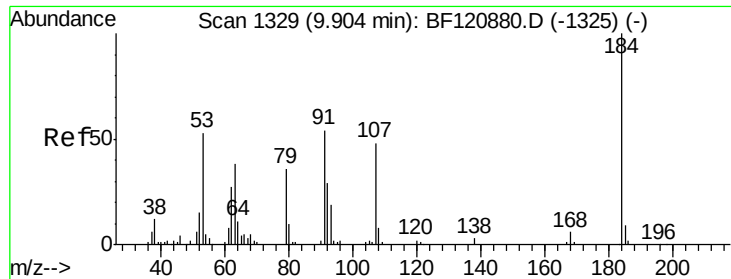
Abundance

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

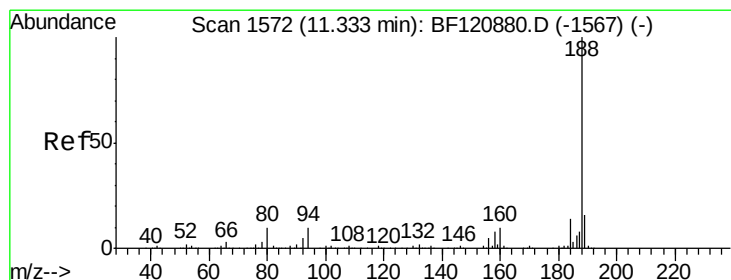
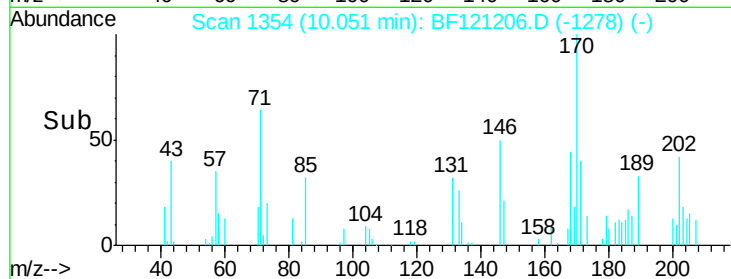
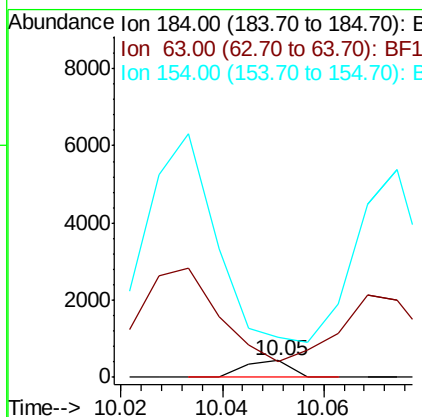
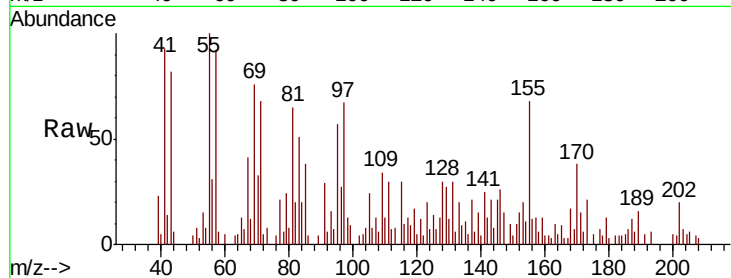




#54
 2,4-Dinitrophenol
 Concen: 6.948 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. 0.15 min
 Lab File: BF121206.D
 Acq: 6 Aug 2020 17:12

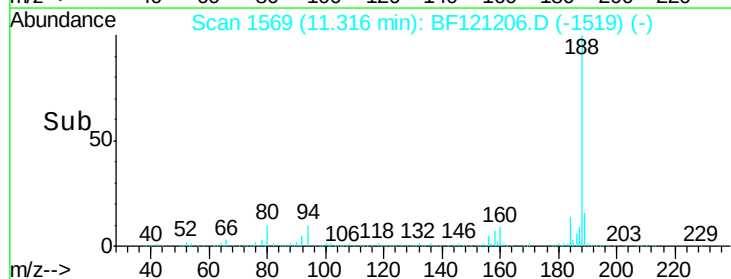
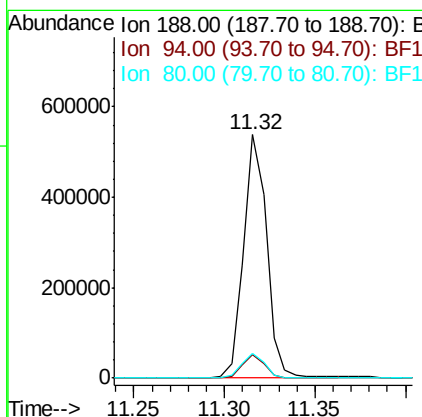
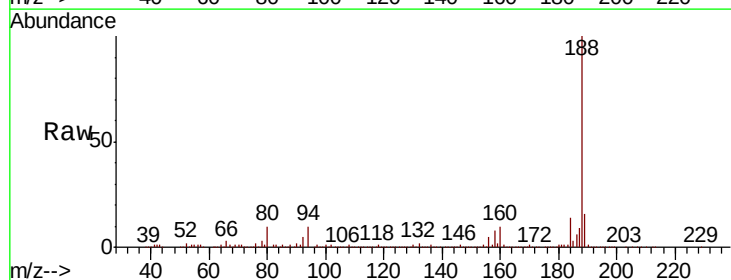
Instrument :
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 8/5-F-J

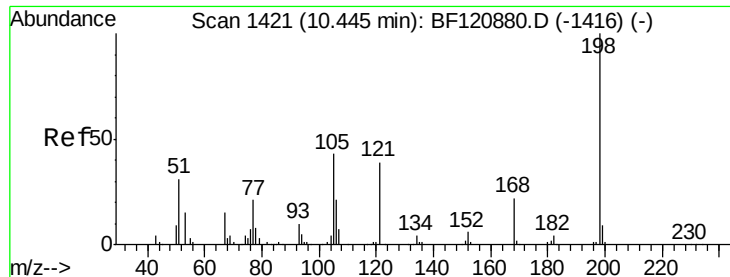
Tot Ion:184 Resp: 275
 Ion Ratio Lower Upper
 184 100
 63 95.3 42.5 63.7#
 154 240.0 46.8 70.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF121206.D
 Acq: 6 Aug 2020 17:12

Tgt Ion:188 Resp: 479426
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.0 12.0
 80 9.9 8.3 12.5

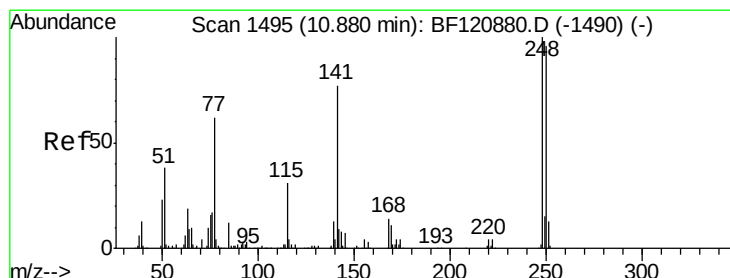
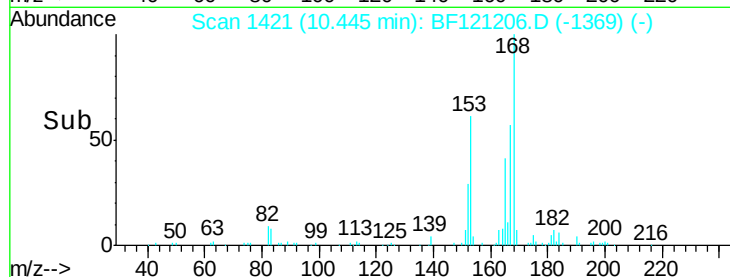
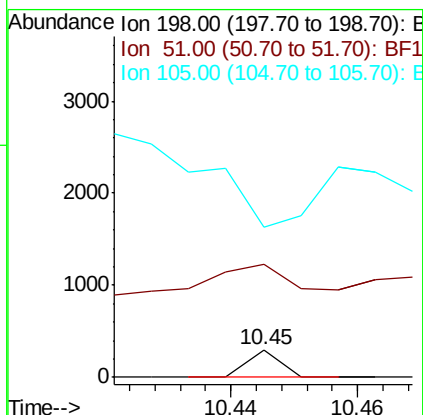
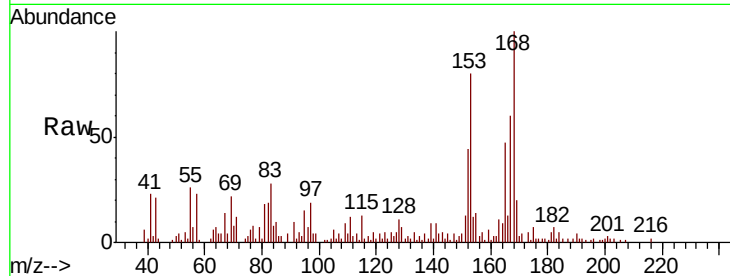




#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.878 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: BF121206.D
 Acq: 6 Aug 2020 17:12

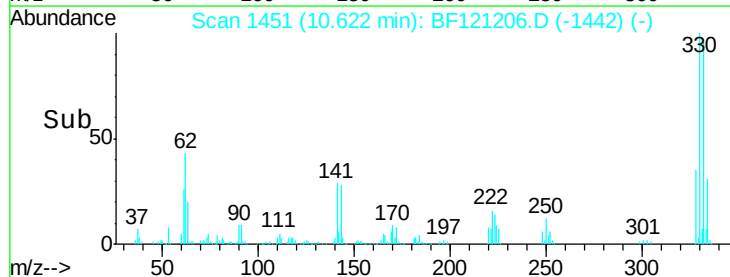
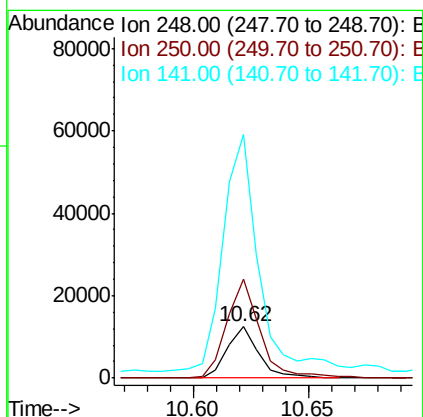
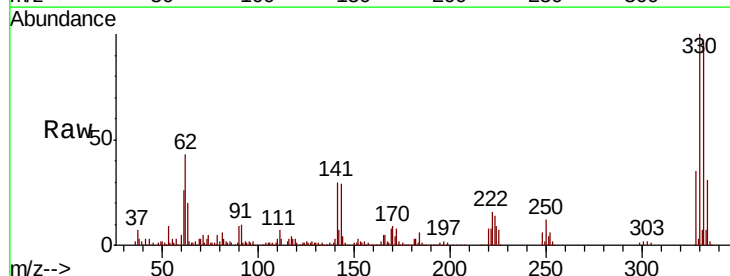
Instrument :
 BNA_F
 ClientSampleId :
 8/5-F-J

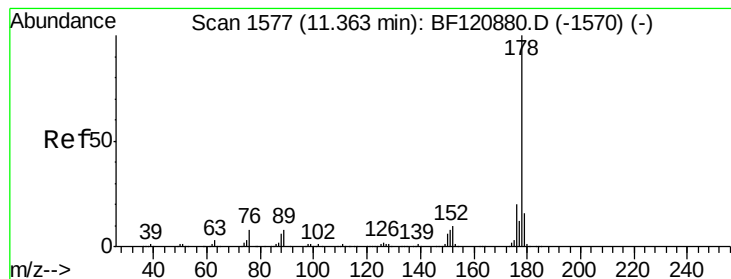
Tot Ion	Ratio	Lower	Upper
198	100		
51	404.6	23.4	63.4#
105	538.4	23.7	63.7#



#67
 4-Bromophenyl-phenylether
 Concen: 2.224 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF121206.D
 Acq: 6 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.4	77.0	115.6#
141	474.0	56.6	85.0#





#71

Phenanthrene

Concen: 3.434 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampleId :

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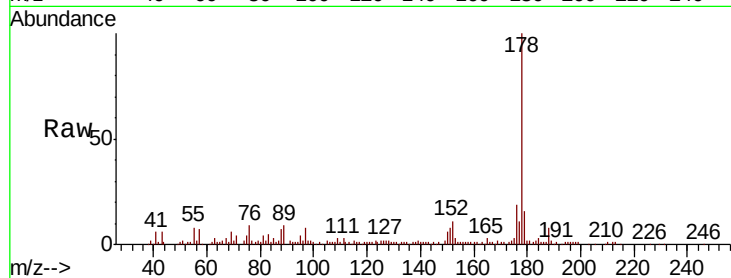
Tot Ion:178 Resp: 84662

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

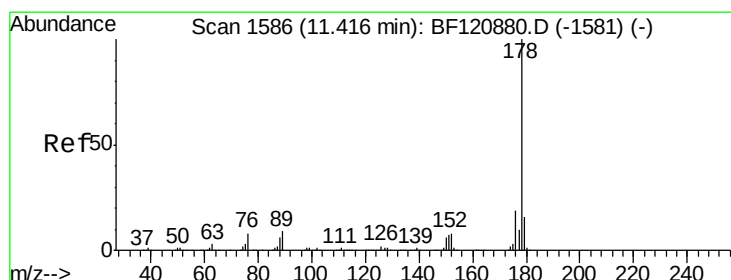
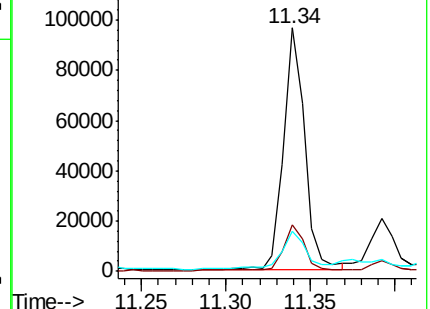
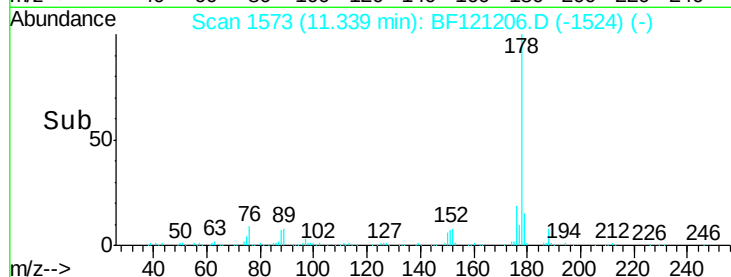
179 16.5 12.6 19.0



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



#72

Anthracene

Concen: 3.419 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.06 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

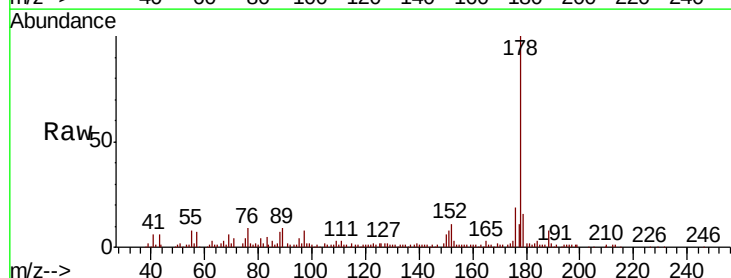
Tgt Ion:178 Resp: 84662

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

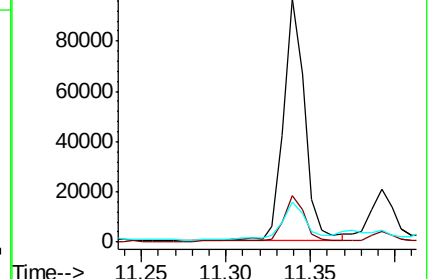
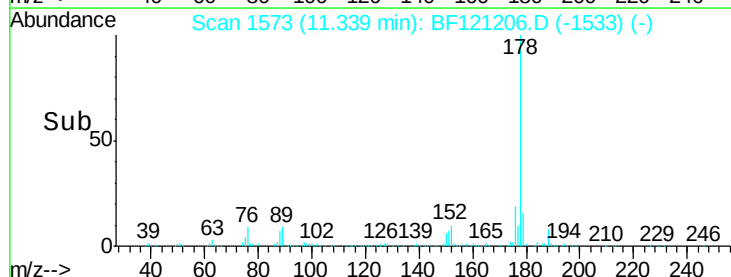
179 16.5 12.6 19.0

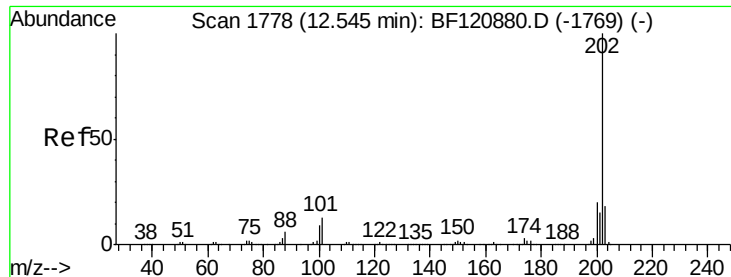


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.551 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampled :

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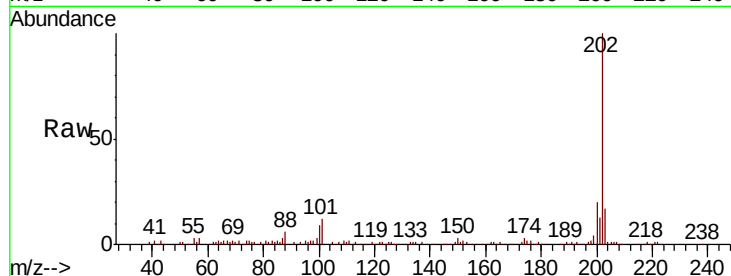
Tot Ion:202 Resp: 97048

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.5

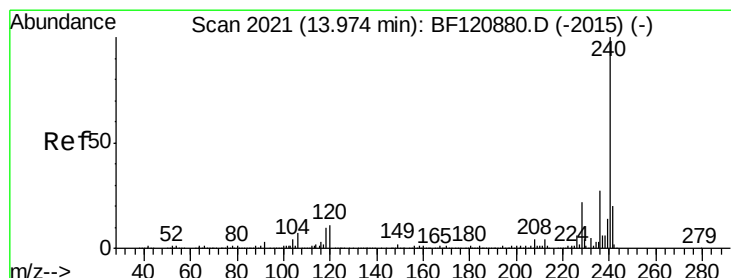
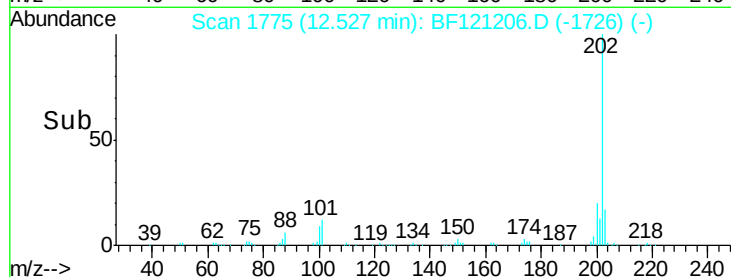
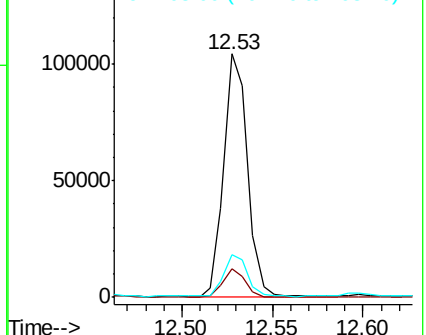
203 17.5 0.0 37.7



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: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

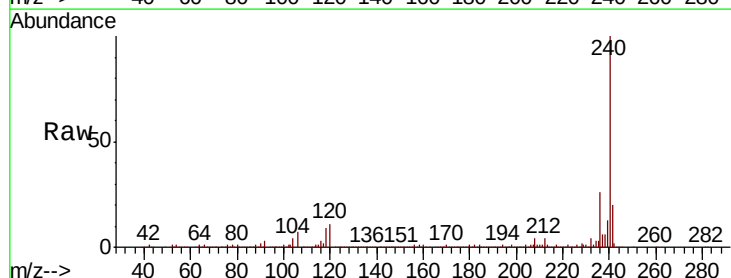
Tgt Ion:240 Resp: 427708

Ion Ratio Lower Upper

240 100

120 10.9 9.3 13.9

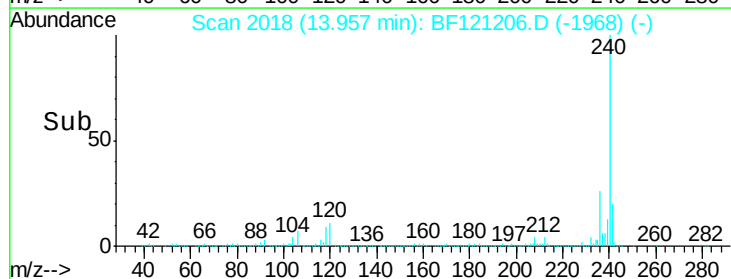
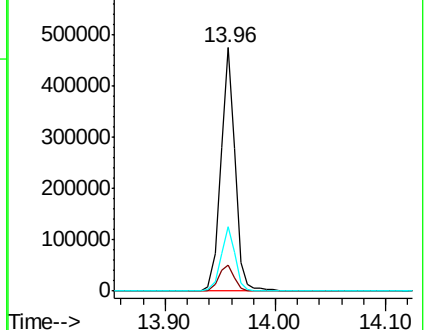
236 26.3 21.1 31.7

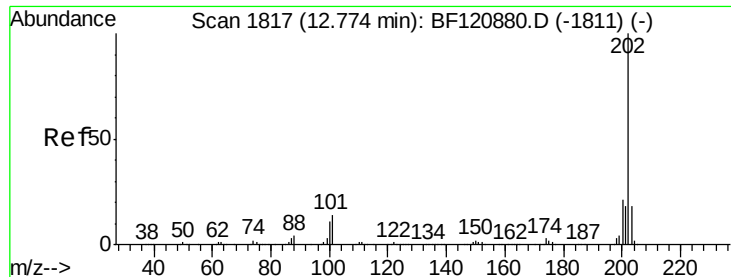


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.723 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampleId :

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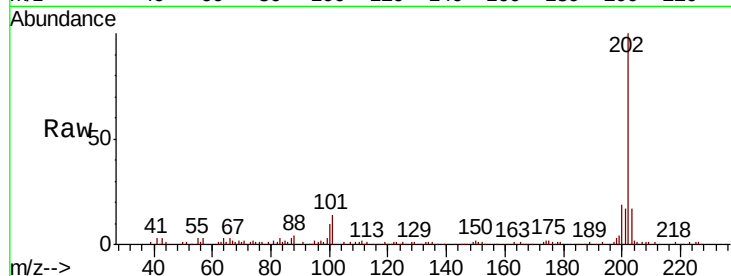
Tot Ion:202 Resp: 82349

Ion Ratio Lower Upper

202 100

200 19.3 17.0 25.6

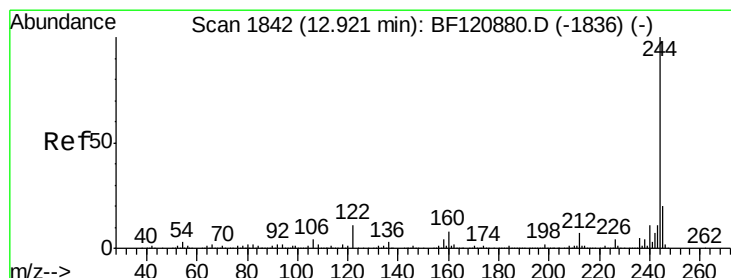
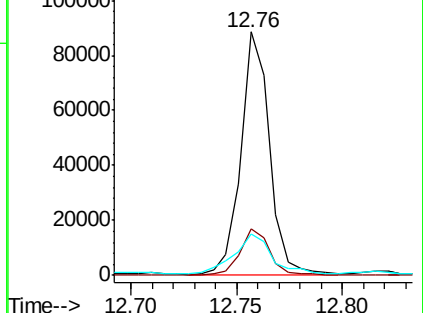
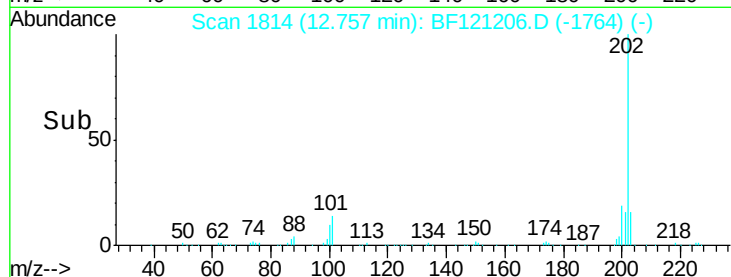
203 17.0 14.6 21.8



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: 46.848 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

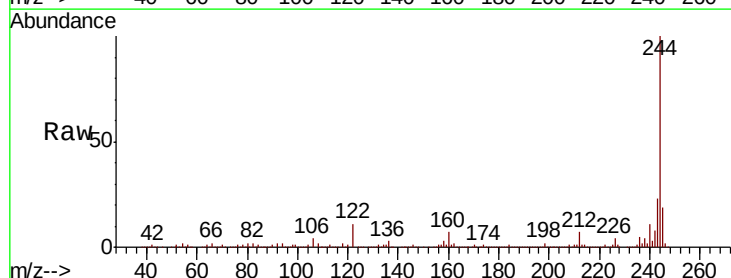
Tgt Ion:244 Resp: 921767

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

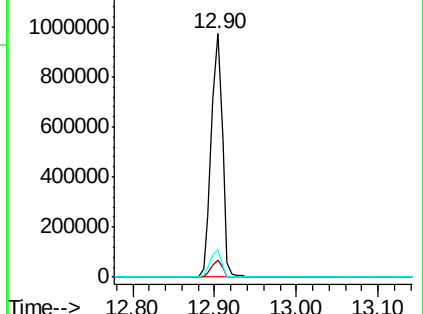
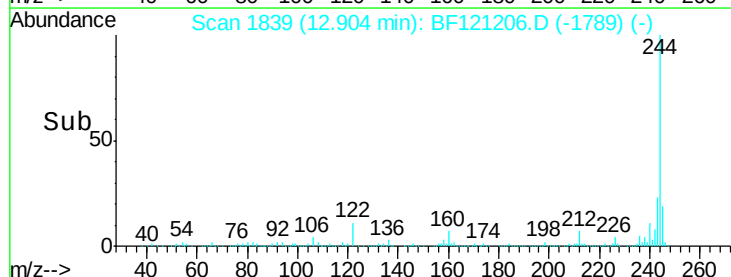
122 11.2 8.3 12.5

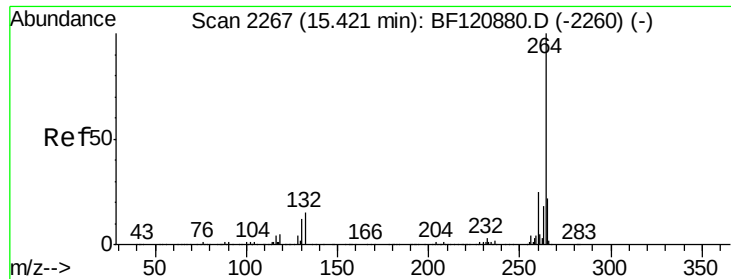


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

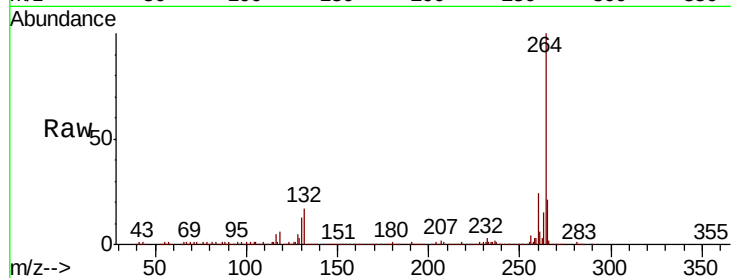




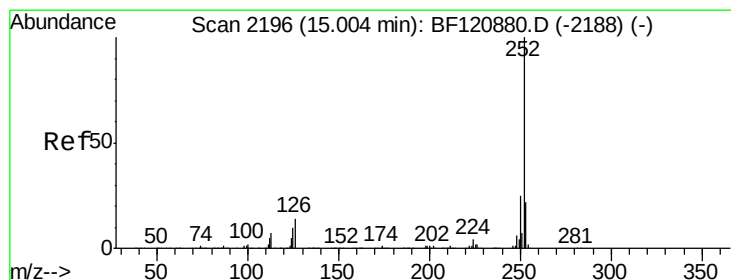
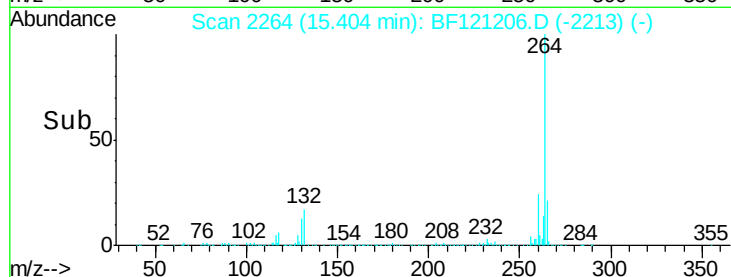
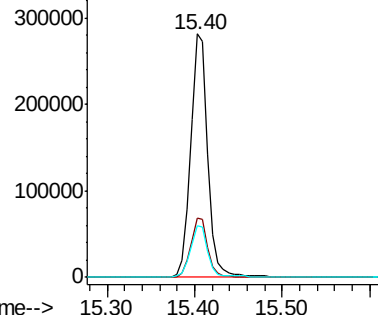
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF121206.D
Acq: 6 Aug 2020 17:12

Instrument :
BNA_F
ClientSampleId :
8/5-F-J

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.9	29.9
265	21.3	17.8	26.8

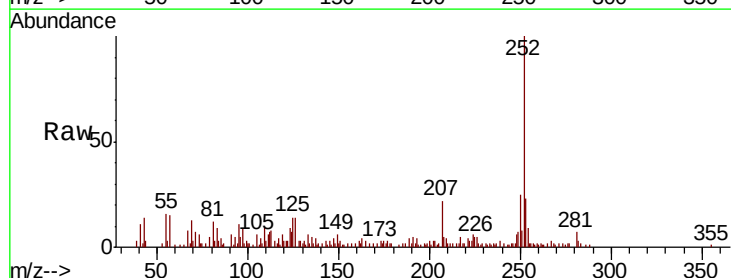


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

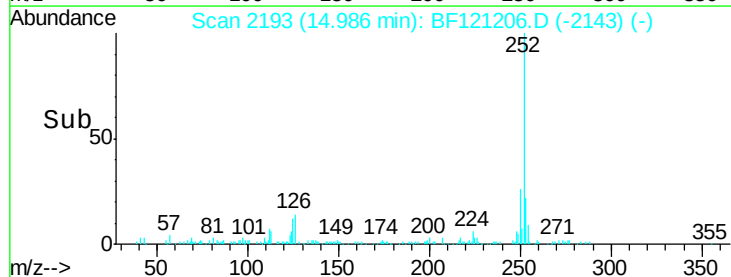
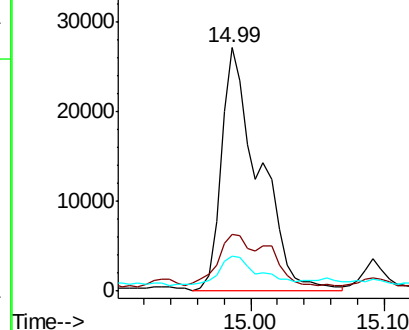


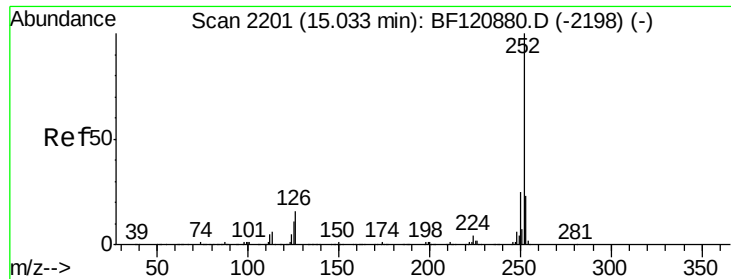
#88
Benzo(b)fluoranthene
Concen: 2.314 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF121206.D
Acq: 6 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	14.3	8.1	12.1#



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: 2.537 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.04 min

Lab File: BF121206.D

Acq: 6 Aug 2020 17:12

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:252 Resp: 53504

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

125 14.3 8.0 12.0#

