

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121090.D
 Acq On : 29 Jul 2020 1:59
 Operator : JU/CG
 Sample : L3408-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-DRUM

Quant Time: Jul 29 04:07:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	159218	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	586507	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	288911	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	474051	20.00	ng	0.01
76) Chrysene-d12	14.00	240	123435	20.00	ng	0.03
86) Perylene-d12	15.50	264	153633	20.00	ng	0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	910294	93.73	ng	0.01
7) Phenol-d6	6.45	99	1119016	89.19	ng	0.00
23) Nitrobenzene-d5	7.38	82	703792	69.43	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	318754	100.79	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1247297	64.46	ng	0.00
79) Terphenyl-d14	12.93	244	749906	132.06	ng	0.01

Target Compounds

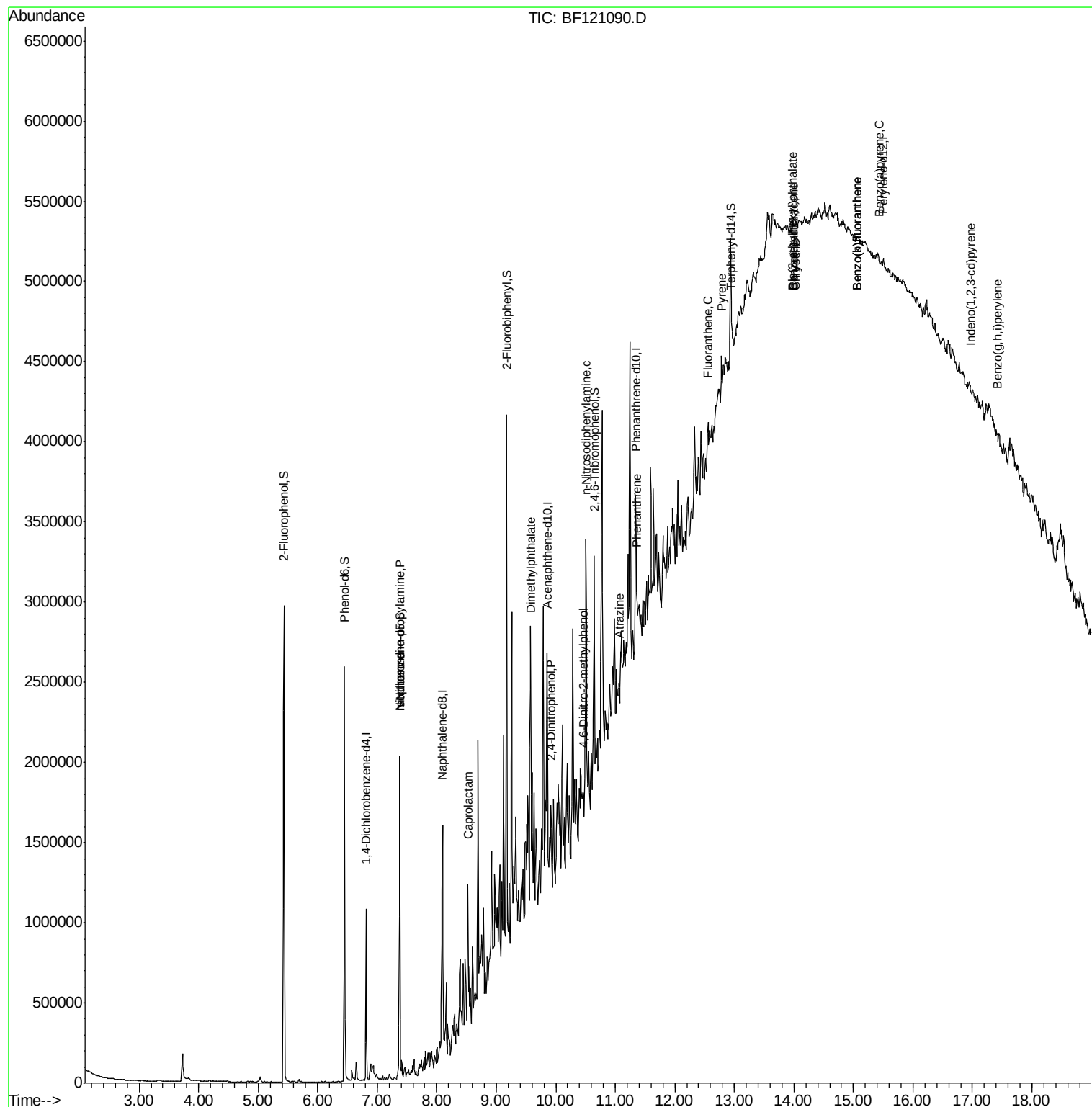
						Qvalue
9) Benzaldehyde	6.37	77	462	Below Cal	#	24
19) n-Nitroso-di-n-propylamine	7.38	70	94859	13.297 ng	#	76
25) Isophorone	7.38	82	696711	34.440 ng	#	63
35) Caprolactam	8.52	113	17655	6.396 ng	#	1
50) Dimethylphthalate	9.57	163	207398	9.950 ng	#	97
54) 2,4-Dinitrophenol	9.92	184	244	6.920 ng	#	1
65) 4,6-Dinitro-2-methylphenol	10.47	198	454	3.995 ng	#	1
66) n-Nitrosodiphenylamine	10.51	169	35118	2.355 ng	#	55
69) Atrazine	11.06	200	9828	2.661 ng	#	64
71) Phenanthrene	11.36	178	59860	2.455 ng	#	89
75) Fluoranthene	12.56	202	108042	3.998 ng	#	94
78) Pyrene	12.79	202	138695	15.893 ng	#	95
81) Benzo(a)anthracene	14.00	228	17714	2.370 ng	#	49
83) Chrysene	14.03	228	25890	3.296 ng	#	68
84) Bis(2-ethylhexyl)phthalate	13.99	149	165147	34.426 ng	#	91
87) Indeno(1,2,3-cd)pyrene	16.97	276	32308	3.024 ng	#	80
88) Benzo(b)fluoranthene	15.07	252	45882	4.941 ng	#	1
89) Benzo(k)fluoranthene	15.07	252	45882	5.417 ng	#	1
90) Benzo(a)pyrene	15.44	252	24677	2.913 ng	#	1
92) Benzo(a,h,i)perylene	17.42	276	37793	4.392 ng	#	6

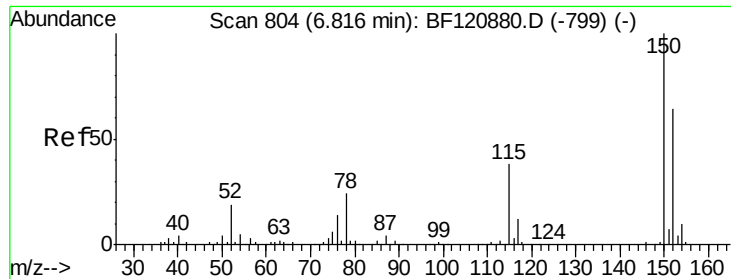
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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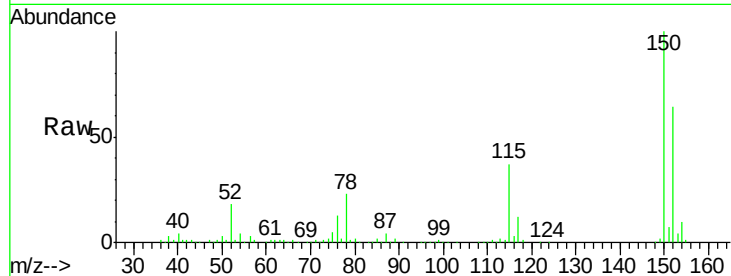


#1

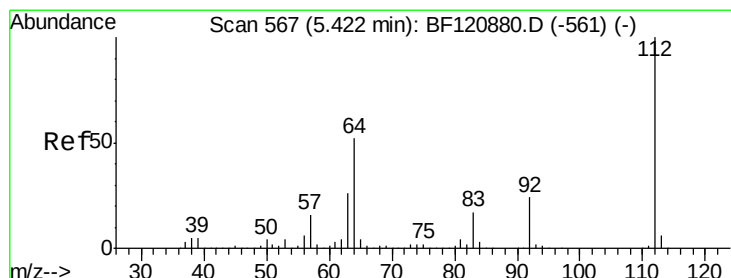
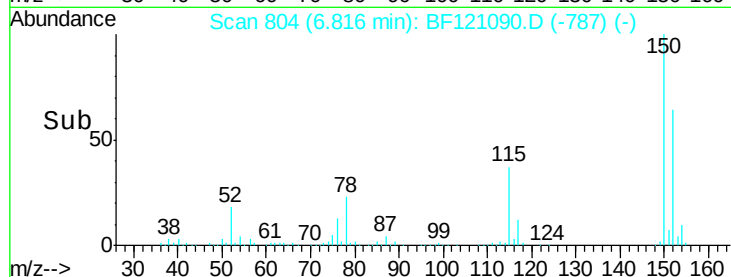
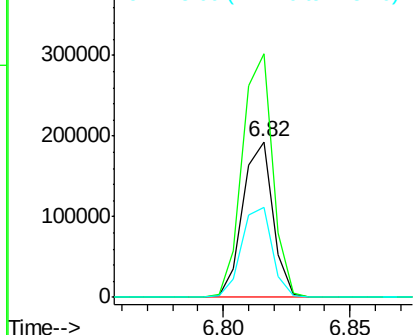
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF121090.D
 Acq: 29 Jul 2020 1:59

Instrument :
 BNA_F
 ClientSampleId :
 PS-DRUM

Tot Ion:152 Resp: 159218
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.0 187.6
 115 58.2 47.0 70.4



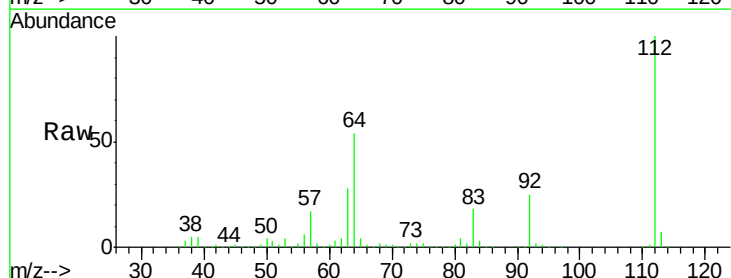
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



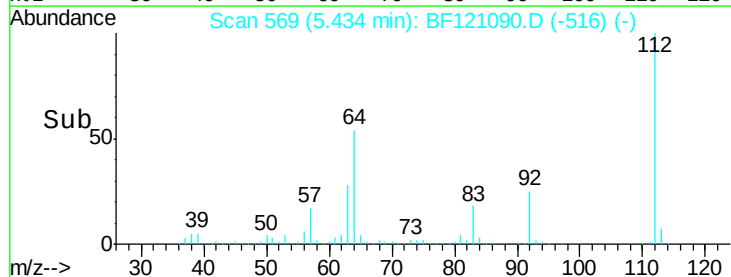
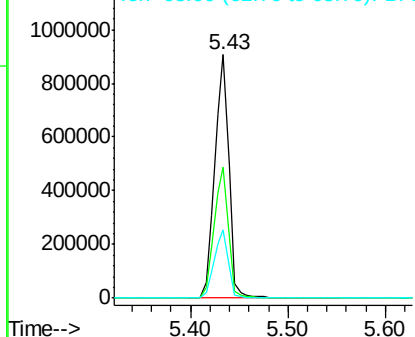
#5

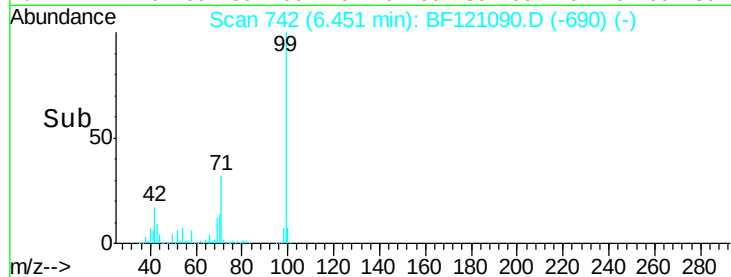
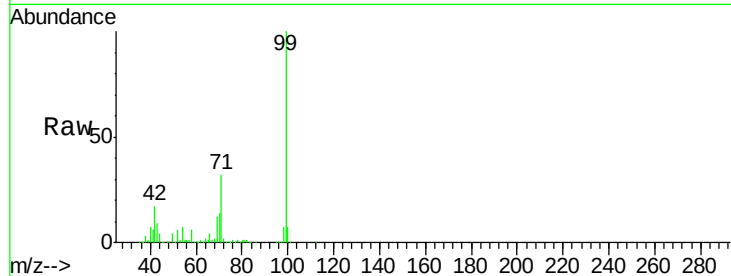
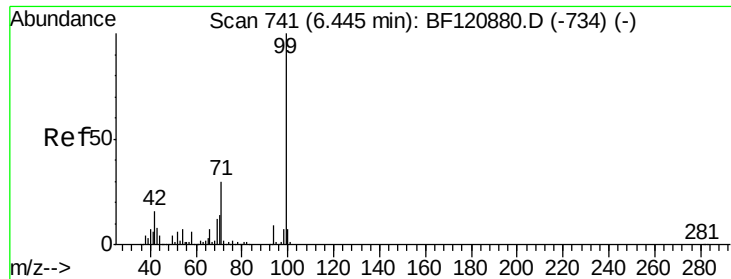
2-Fluorophenol
 Concen: 93.727 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF121090.D
 Acq: 29 Jul 2020 1:59

Tgt Ion:112 Resp: 910294
 Ion Ratio Lower Upper
 112 100
 64 53.7 41.3 61.9
 63 28.0 21.1 31.7



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: 89.195 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

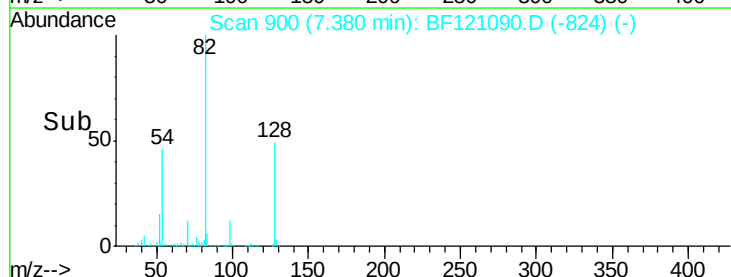
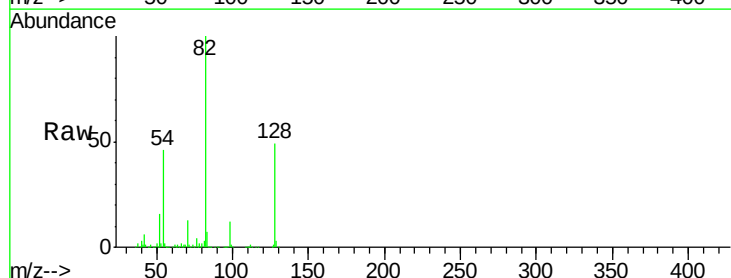
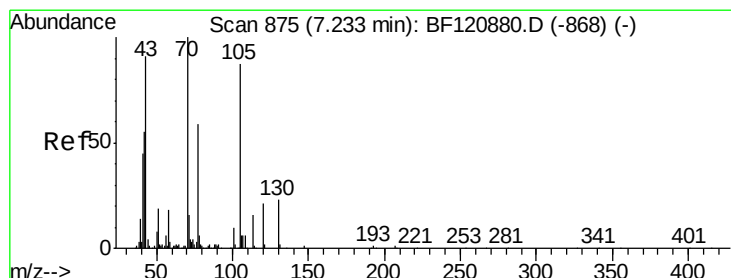
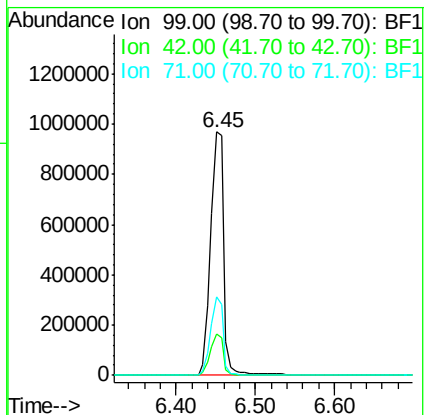
Tot Ion: 99 Resp: 1119016

Ion Ratio Lower Upper

99 100

42 17.1 13.1 19.7

71 32.0 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.297 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Tgt Ion: 70 Resp: 94859

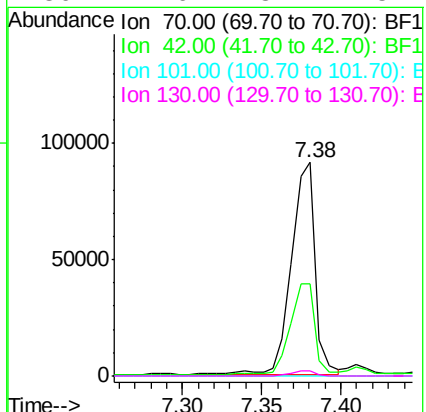
Ion Ratio Lower Upper

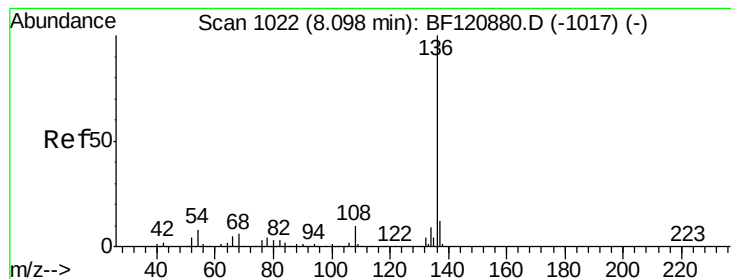
70 100

42 43.2 44.0 66.0#

101 0.0 7.8 11.6#

130 2.6 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

Tot Ion:136 Resp: 586507

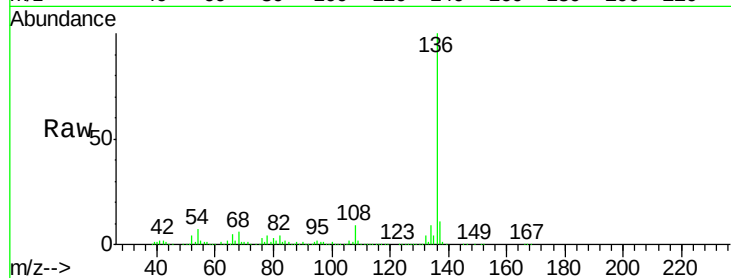
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.4 6.3 9.5

68 6.3 5.0 7.4

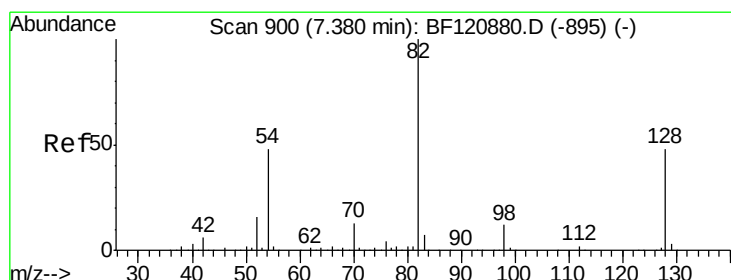
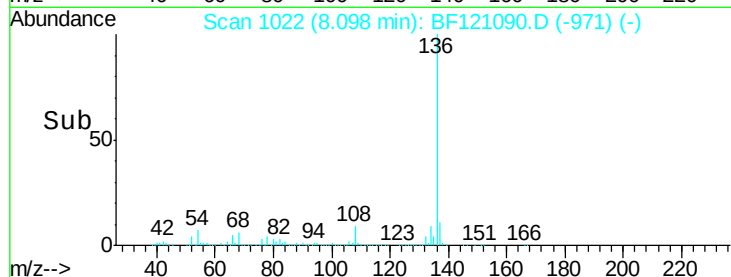
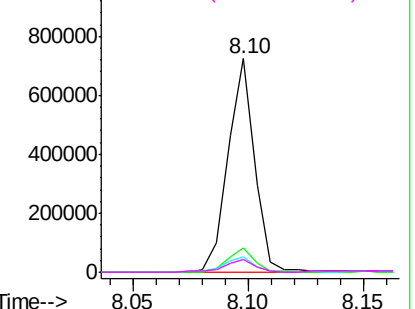


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.434 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

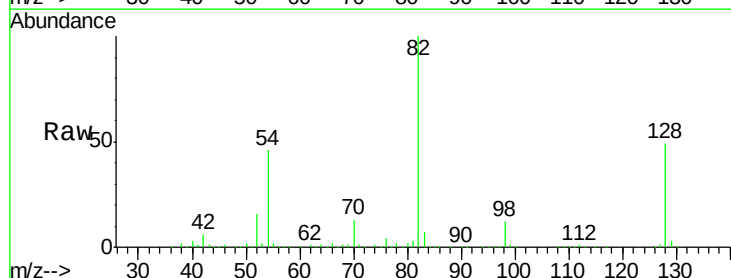
Tgt Ion: 82 Resp: 703792

Ion Ratio Lower Upper

82 100

128 49.3 38.2 57.4

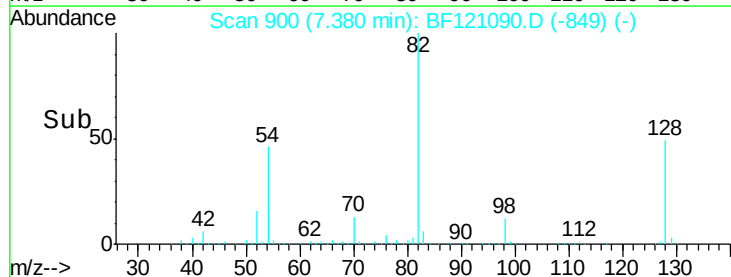
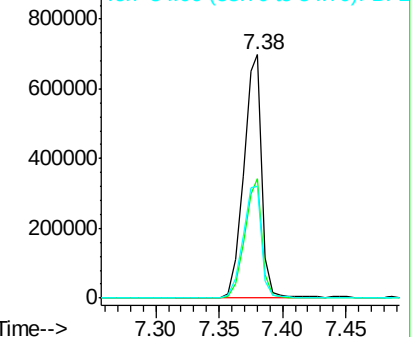
54 45.7 38.7 58.1

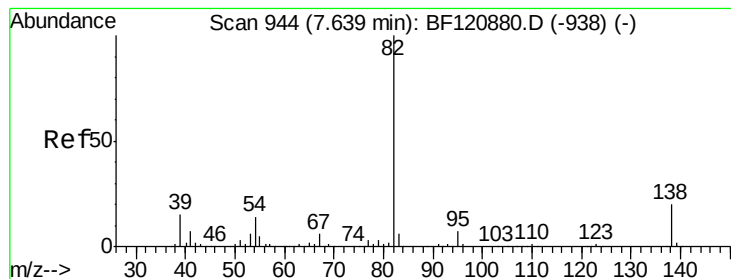


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.440 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

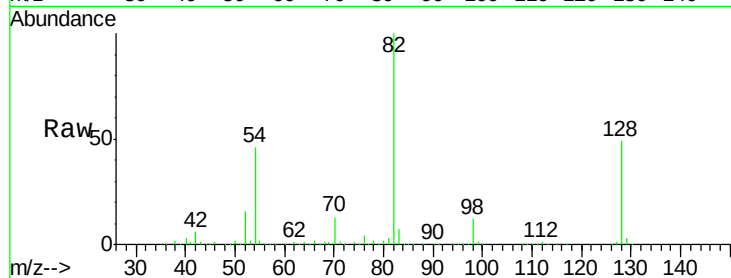
Tot Ion: 82 Resp: 696711

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

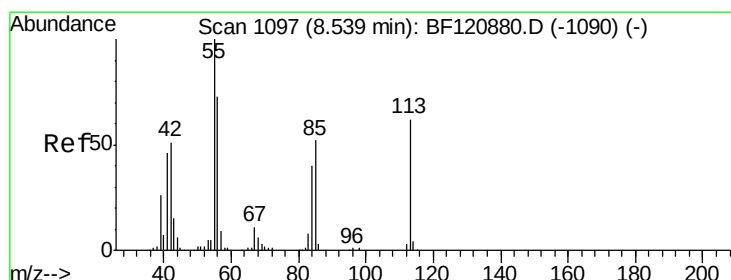
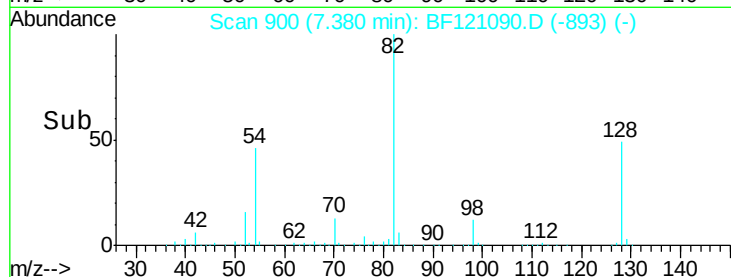
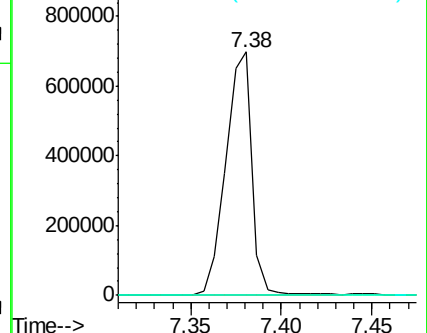
138 0.0 15.6 23.4#



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



#35

Caprolactam

Concen: 6.396 ng

RT: 8.52 min Scan# 1094

Delta R.T. -0.02 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

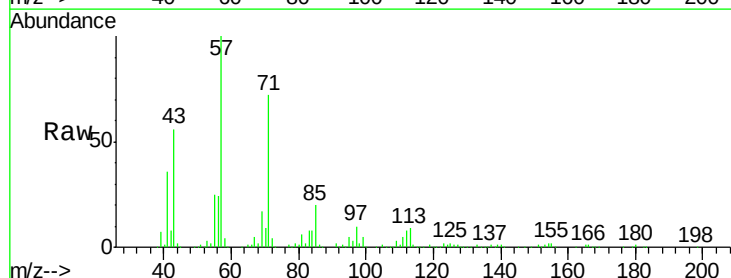
Tgt Ion: 113 Resp: 17655

Ion Ratio Lower Upper

113 100

55 277.0 143.3 183.3#

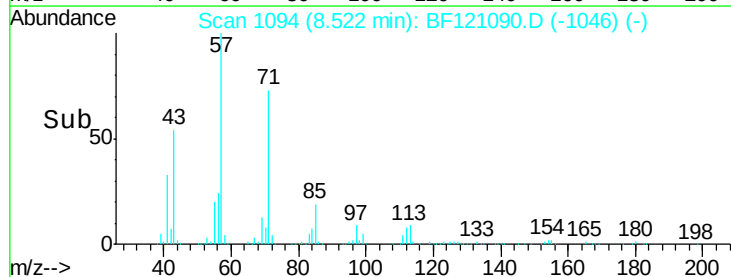
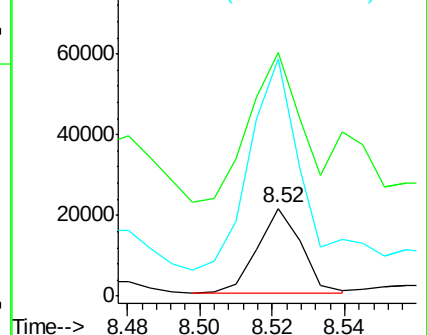
56 269.9 99.4 139.4#

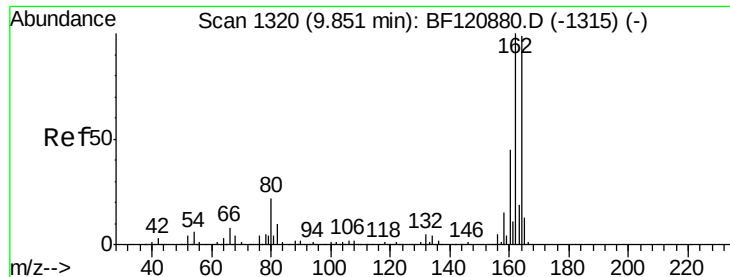


Abundance Ion 113.00 (112.70 to 113.70): BF1

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

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ClientSampleId :

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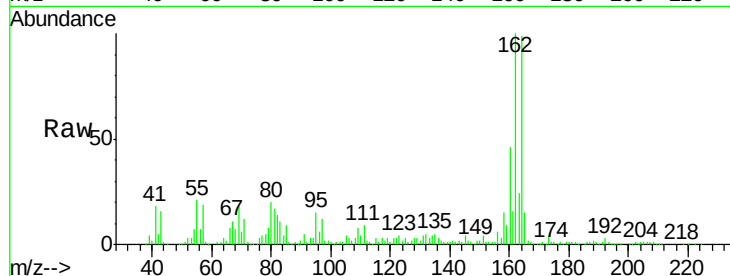
Tot Ion:164 Resp: 288911

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

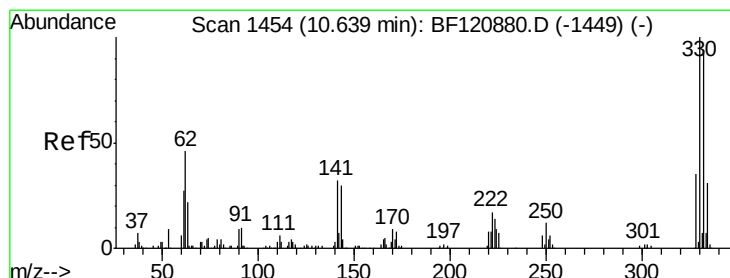
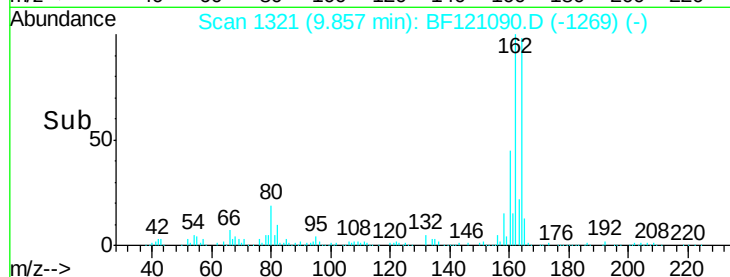
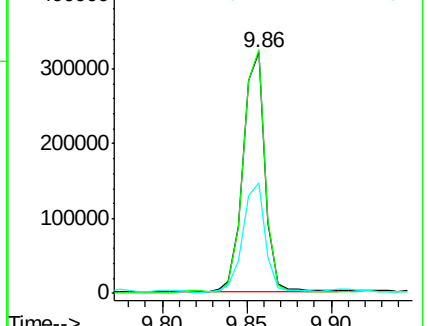
160 46.0 36.9 55.3



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: 100.794 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

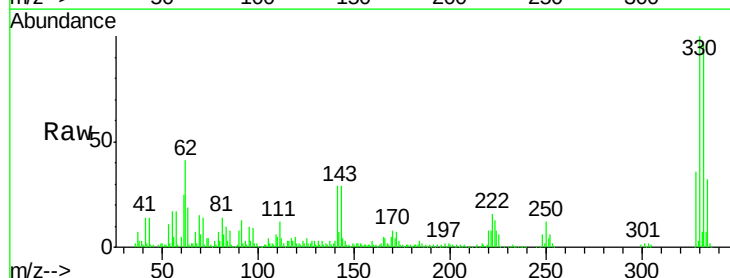
Tgt Ion:330 Resp: 318754

Ion Ratio Lower Upper

330 100

332 95.9 75.5 113.3

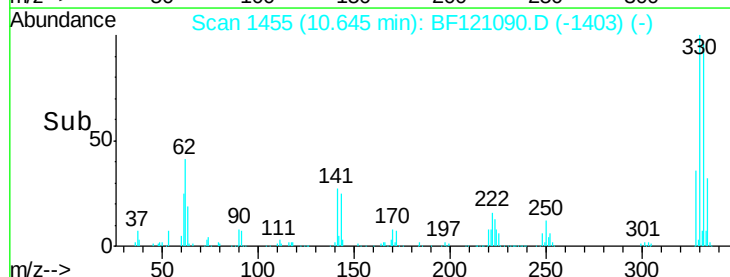
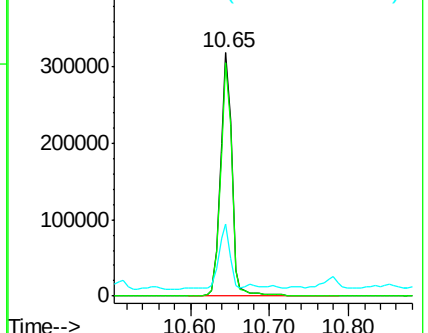
141 25.0 25.7 38.5#

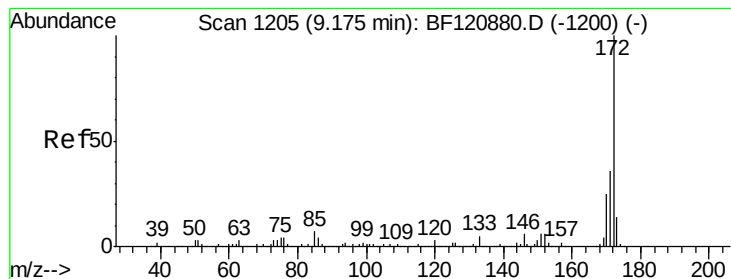


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 64.458 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

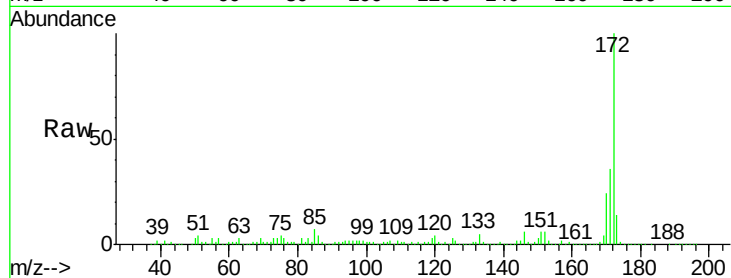
BNA_F

ClientSampleId :

PS-DRUM

Tot Ion:172 Resp: 1247297

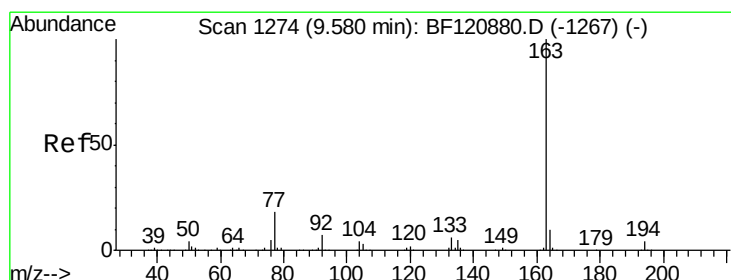
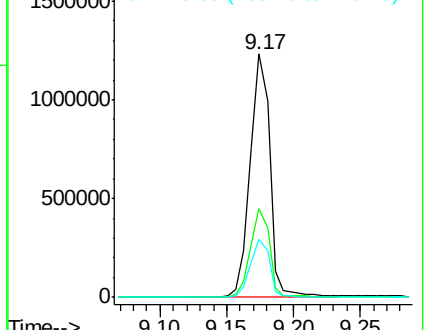
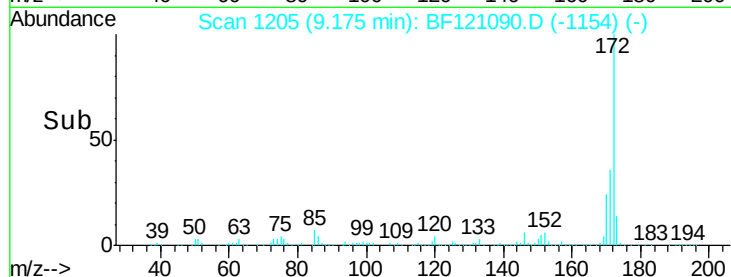
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.0	19.6	29.4



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: 9.950 ng

RT: 9.57 min Scan# 1272

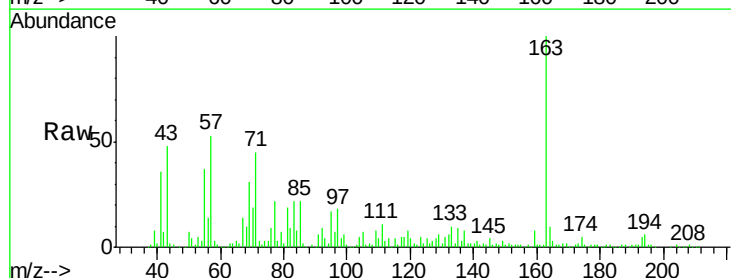
Delta R.T. -0.01 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Tgt Ion:163 Resp: 207398

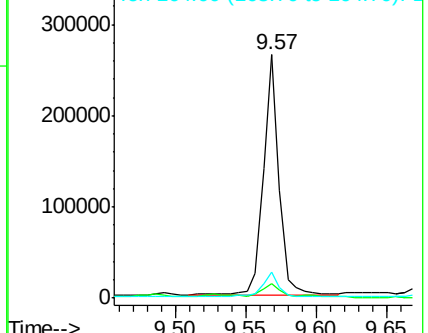
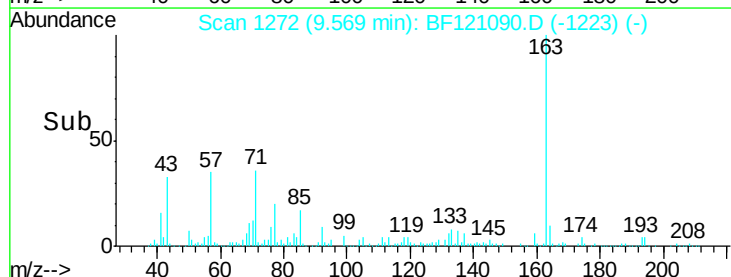
Ion	Ratio	Lower	Upper
163	100		
194	6.0	3.2	4.8#
164	10.4	7.9	11.9

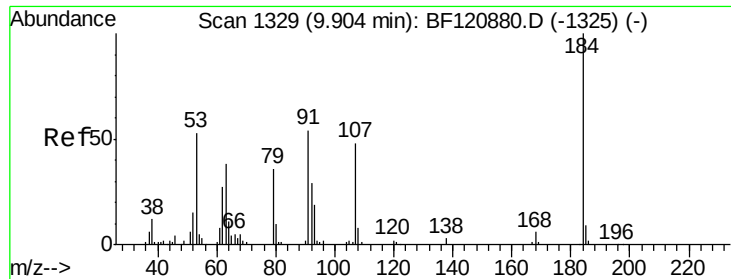


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

2,4-Dinitrophenol

Concen: 6.920 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.02 min

Lab File: BF121090.D

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Instrument :

BNA_F

ClientSampleId :

PS-DRUM

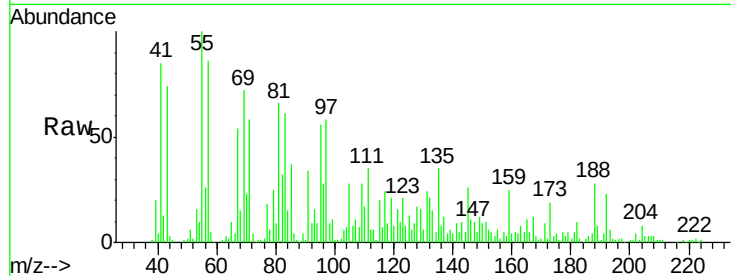
Tot Ion:184 Resp: 244

Ion Ratio Lower Upper

184 100

63 747.5 57.9 86.9#

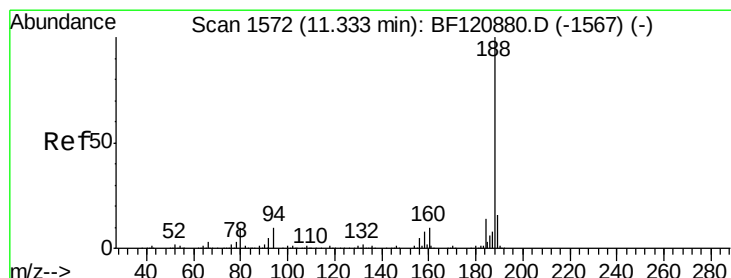
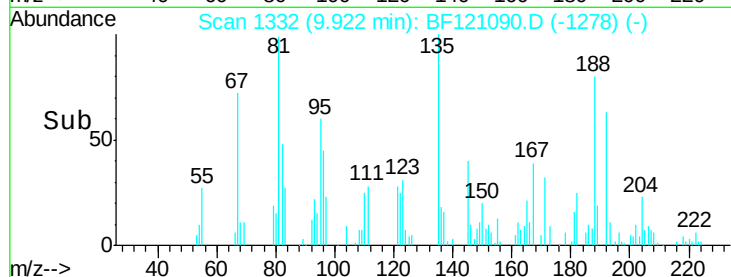
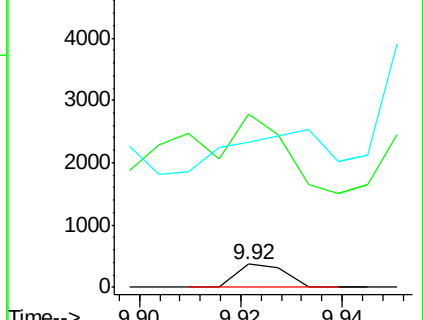
154 624.4 52.6 78.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

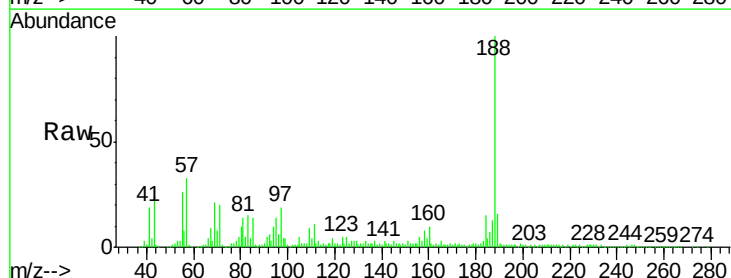
Tgt Ion:188 Resp: 474051

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

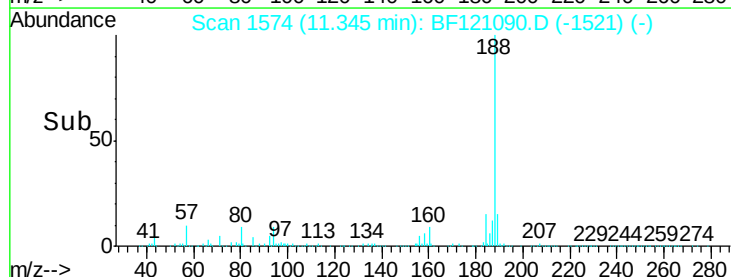
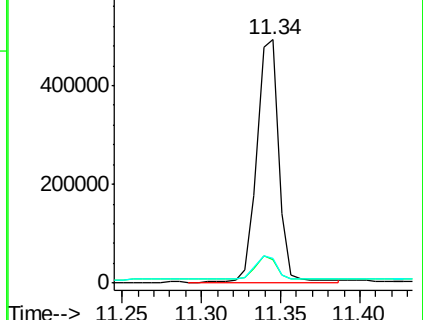
80 10.3 8.3 12.5

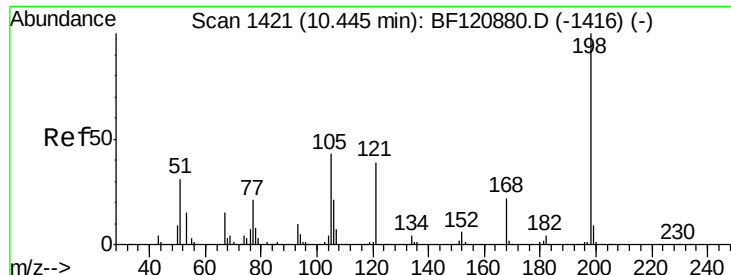


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 3.995 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

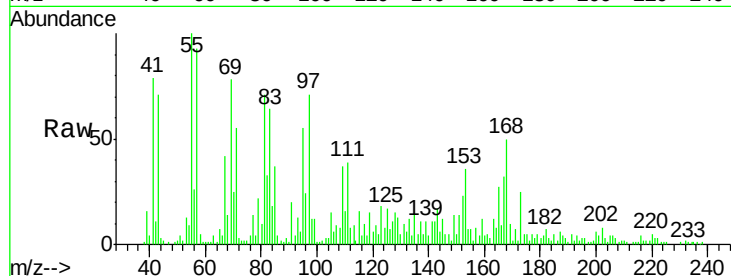
Tot Ion:198 Resp: 454

Ion Ratio Lower Upper

198 100

51 767.6 19.5 59.5#

105 2662.9 24.4 64.4#

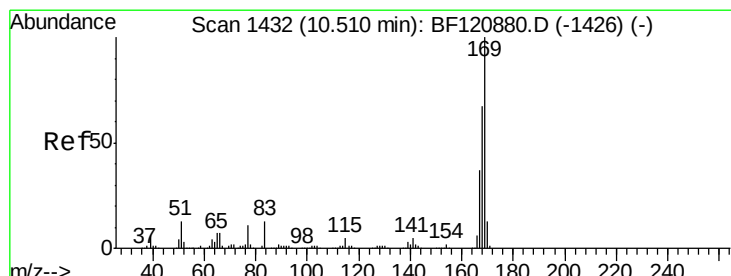
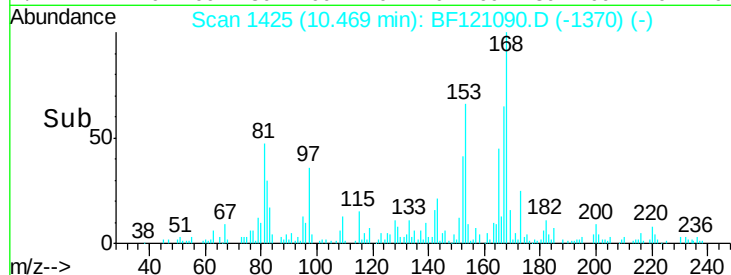


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

Time--> 10.44 10.46 10.48



#66

n-Nitrosodiphenylamine

Concen: 2.355 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

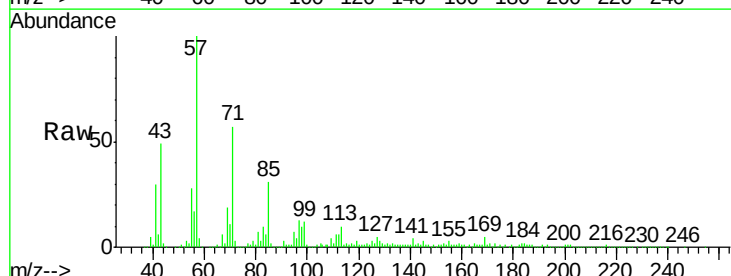
Tgt Ion:169 Resp: 35118

Ion Ratio Lower Upper

169 100

168 28.1 53.4 80.0#

167 13.7 29.4 44.0#

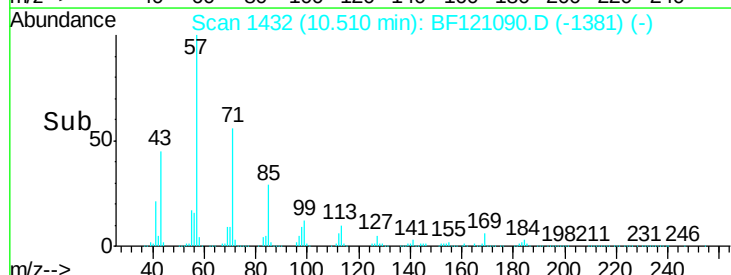


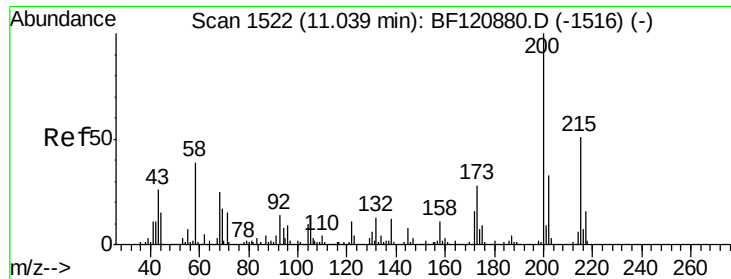
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

Time--> 10.45 10.50 10.55

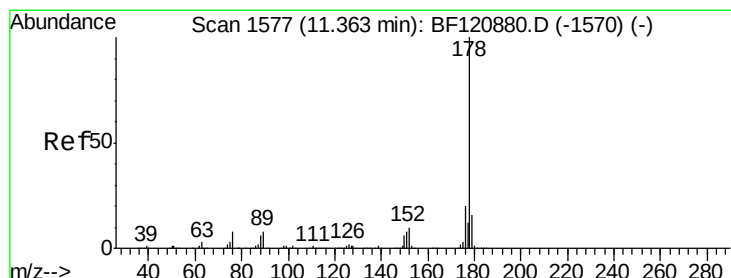
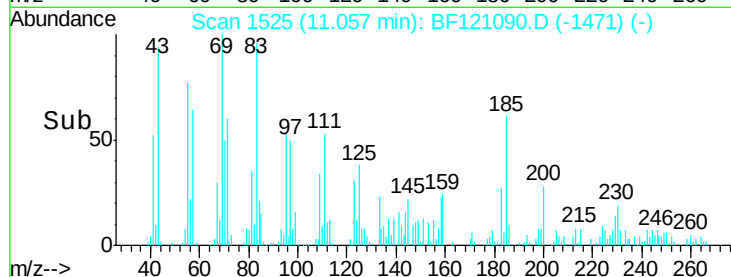
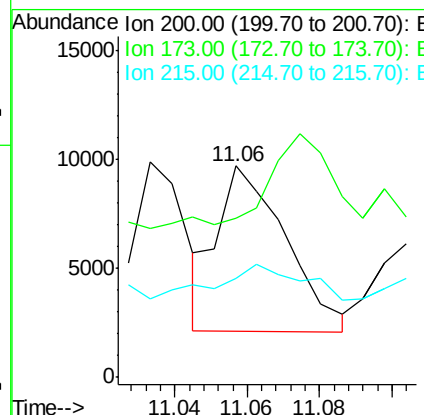
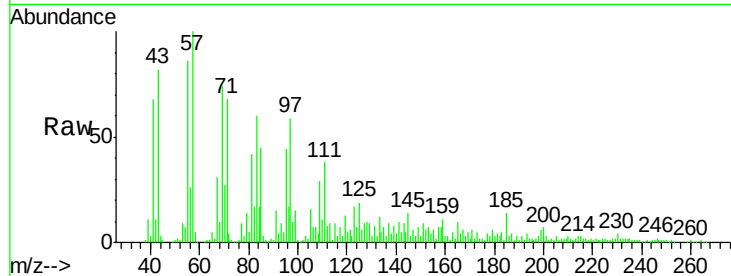




#69
Atrazine
Concen: 2.661 ng
RT: 11.06 min Scan# 1525
Delta R.T. 0.02 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

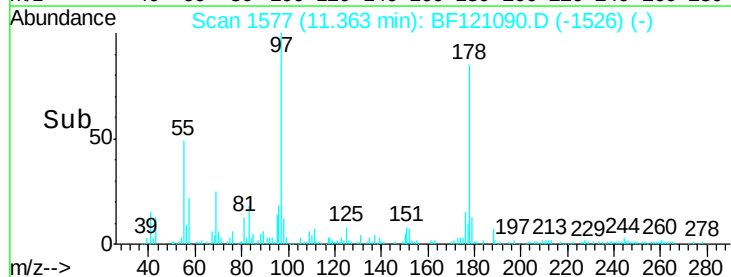
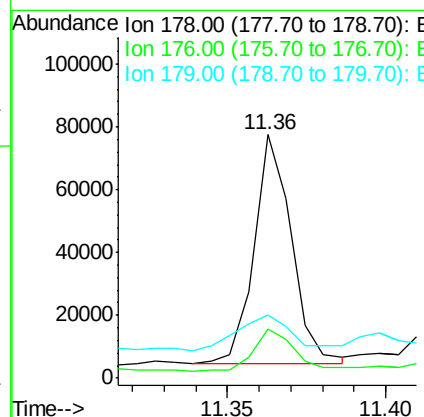
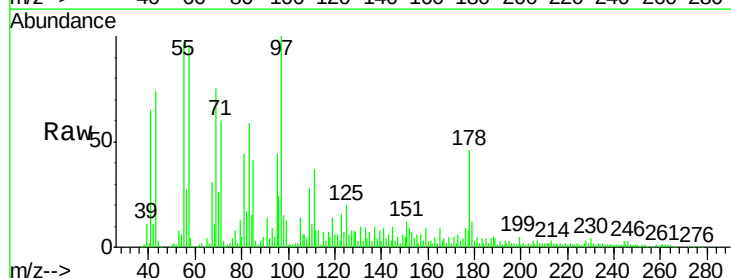
Instrument :
BNA_F
ClientSampleId :
PS-DRUM

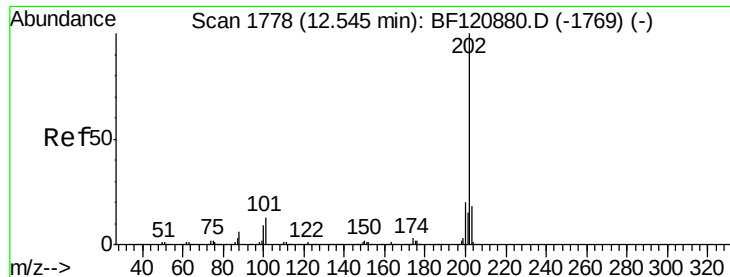
Tot Ion:200 Resp: 9828
Ion Ratio Lower Upper
200 100
173 74.9 8.0 48.0#
215 46.6 31.5 71.5



#71
Phenanthrene
Concen: 2.455 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

Tgt Ion:178 Resp: 59860
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 26.2 12.8 19.2#





#75

Fluoranthene

Concen: 3.998 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

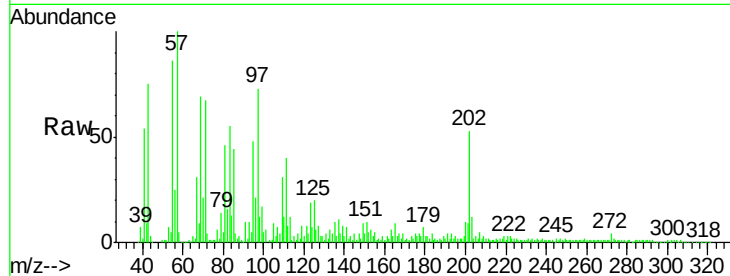
Tot Ion:202 Resp: 108042

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.7

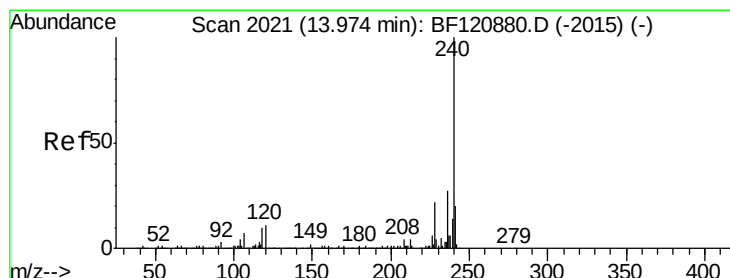
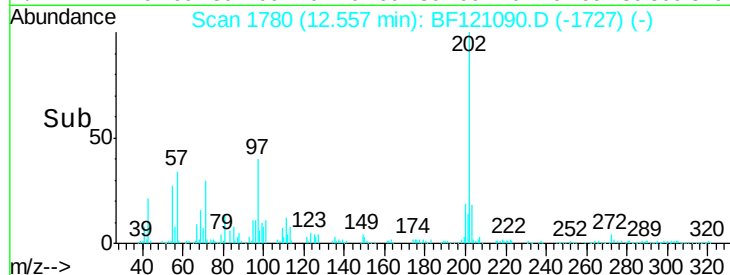
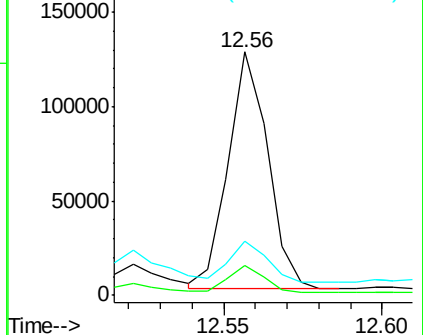
203 22.1 0.0 38.0



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: 14.00 min Scan# 2026

Delta R.T. 0.03 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

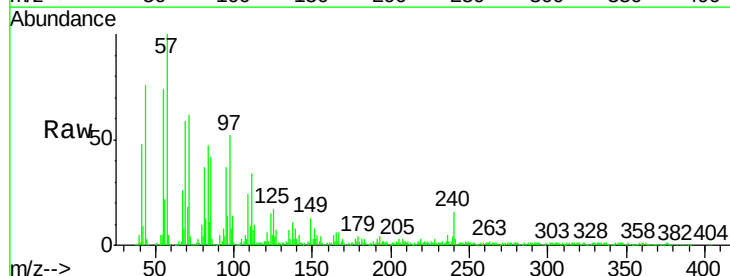
Tgt Ion:240 Resp: 123435

Ion Ratio Lower Upper

240 100

120 13.2 9.0 13.4

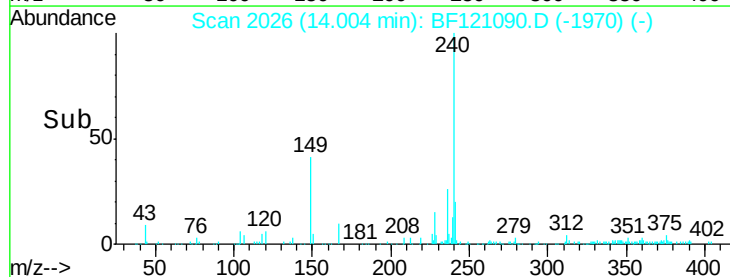
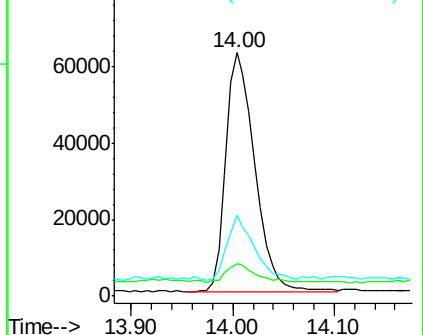
236 33.1 21.7 32.5#

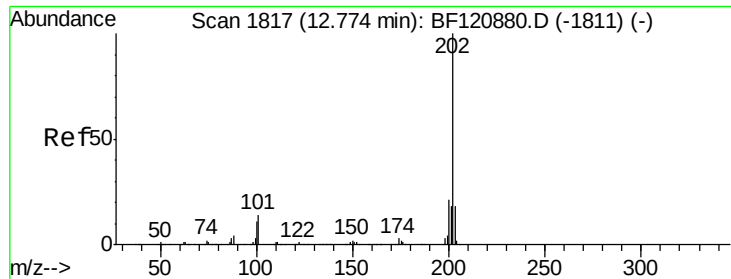


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

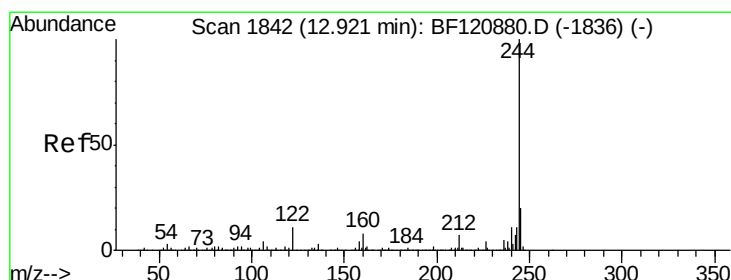
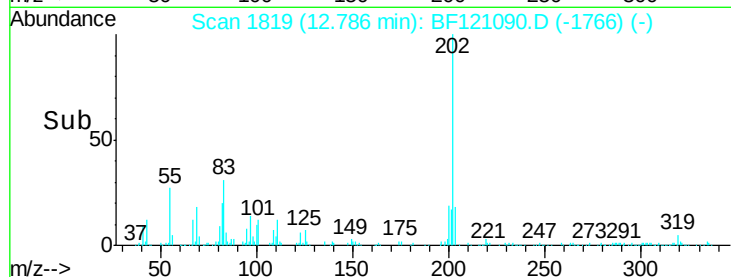
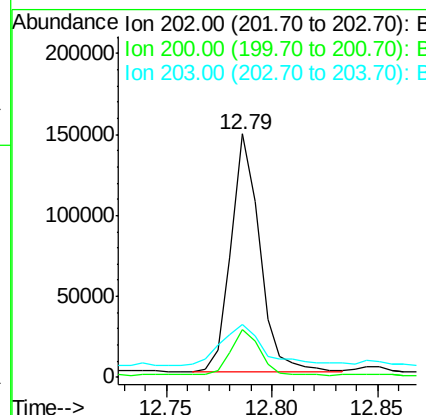
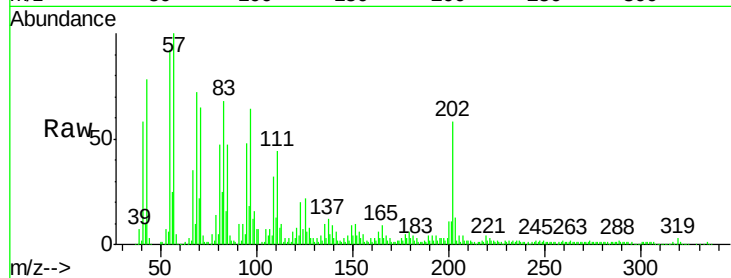




#78
Pvrene
Concen: 15.893 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

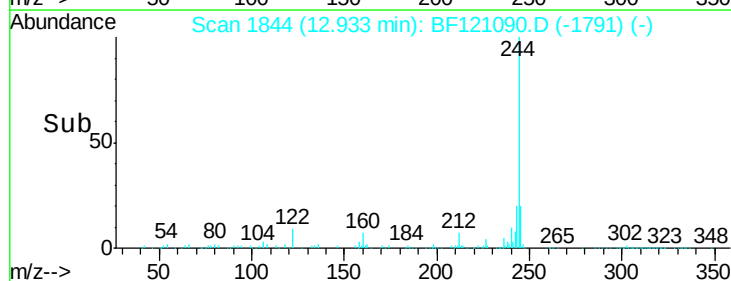
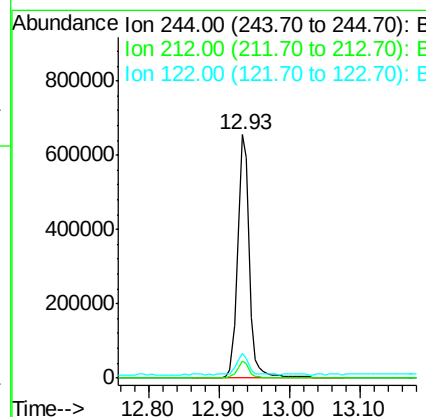
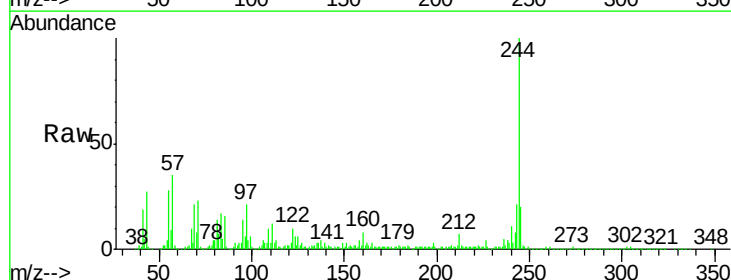
Instrument :
BNA_F
ClientSampleId :
PS-DRUM

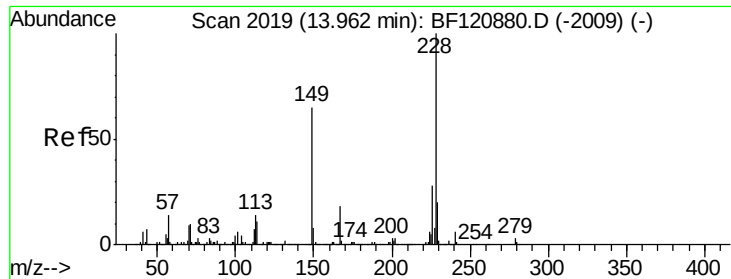
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.0	25.4
203	21.8	14.4	21.6#



#79
Terphenyl-d14
Concen: 132.064 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.1	8.9	13.3

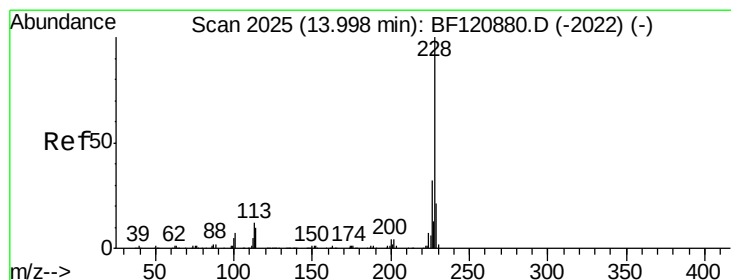
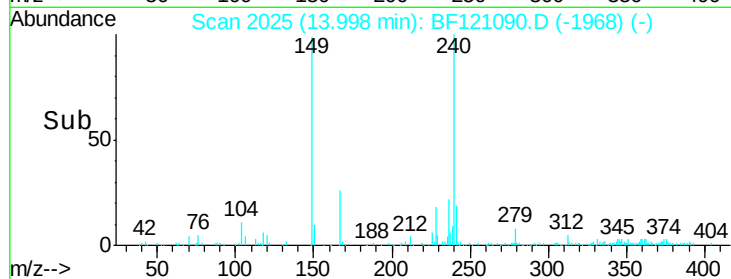
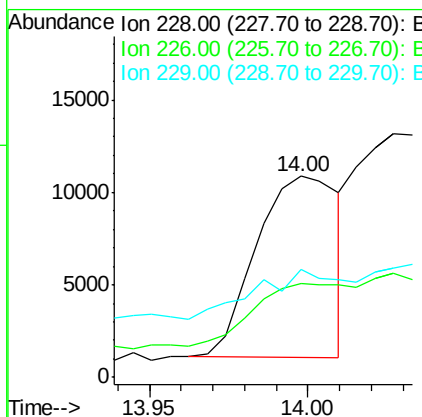
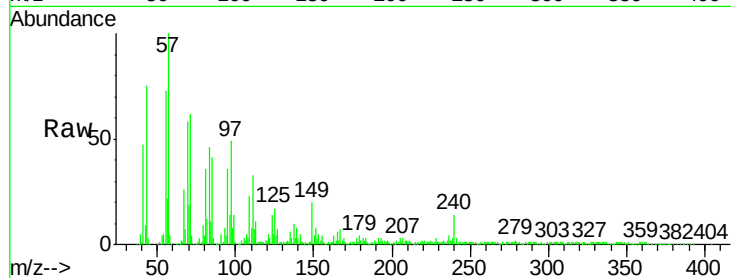




#81
Benzo(a)anthracene
Concen: 2.370 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.04 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

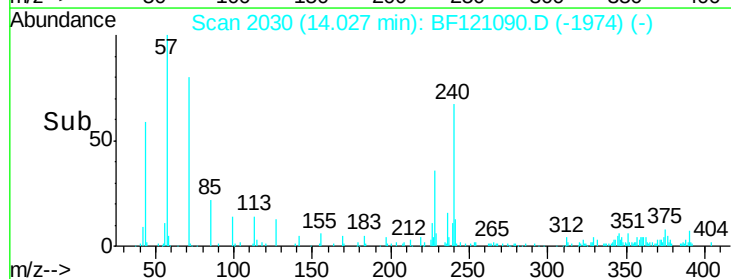
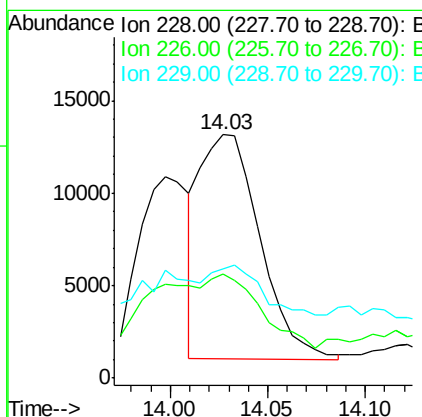
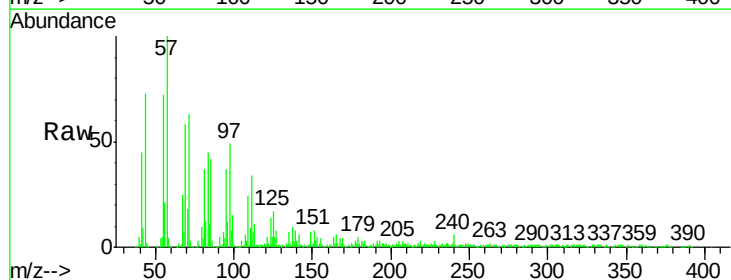
Instrument :
BNA_F
ClientSampleId :
PS-DRUM

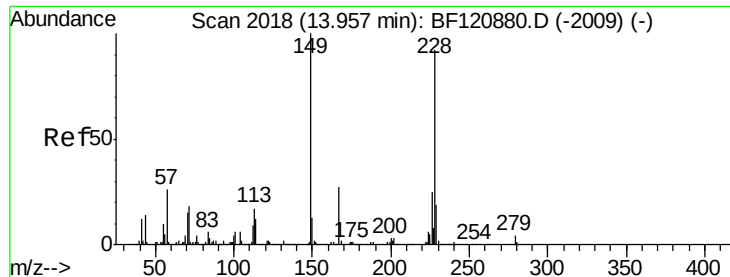
Tot Ion:228 Resp: 17714
Ion Ratio Lower Upper
228 100
226 46.9 22.3 33.5#
229 53.4 16.1 24.1#



#83
Chrysene
Concen: 3.296 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.03 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

Tgt Ion:228 Resp: 25890
Ion Ratio Lower Upper
228 100
226 42.8 25.6 38.4#
229 44.8 16.8 25.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 34.426 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.03 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

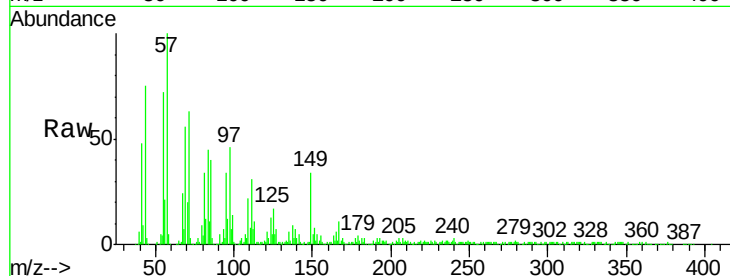
Tot Ion:149 Resp: 165147

Ion Ratio Lower Upper

149 100

167 31.7 21.9 32.9

279 7.2 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

13.99

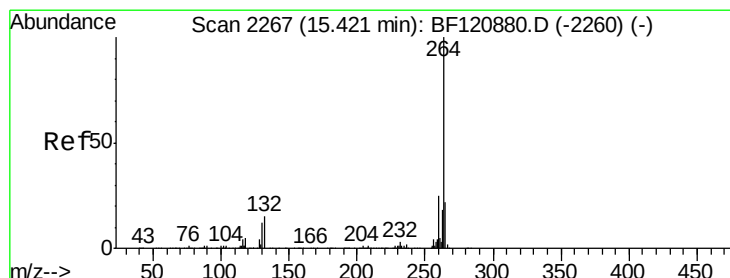
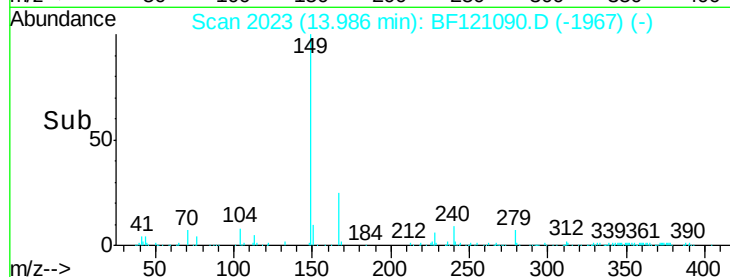
150000

100000

50000

0

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.08 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

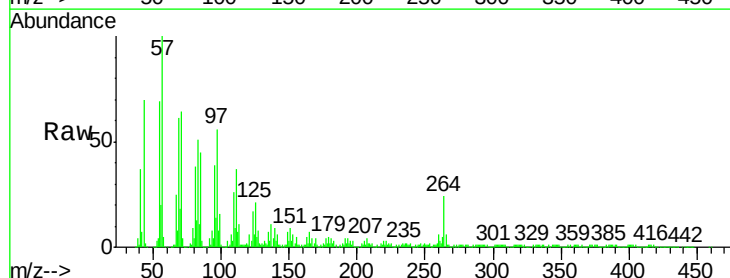
Tgt Ion:264 Resp: 153633

Ion Ratio Lower Upper

264 100

260 25.6 20.0 30.0

265 24.7 17.4 26.2



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

15.50

120000

100000

80000

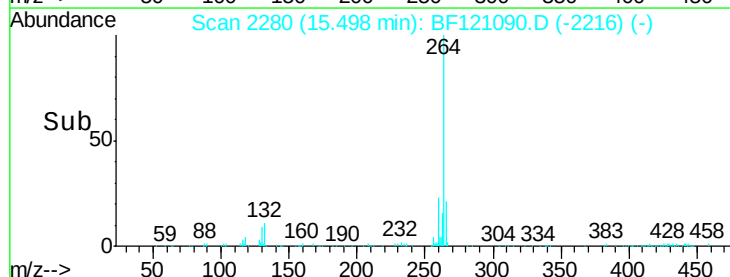
60000

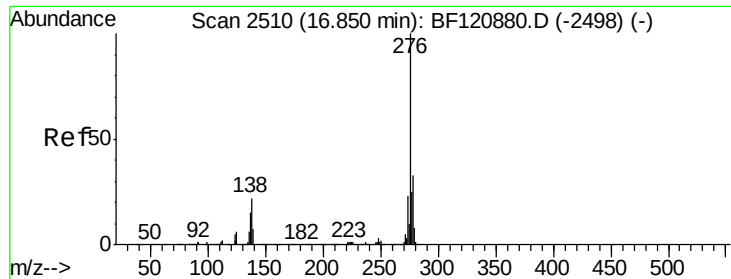
40000

20000

0

Time-->

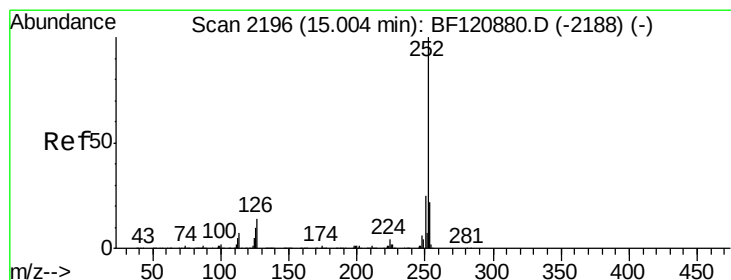
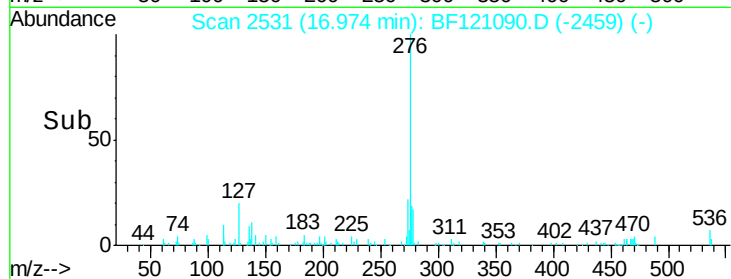
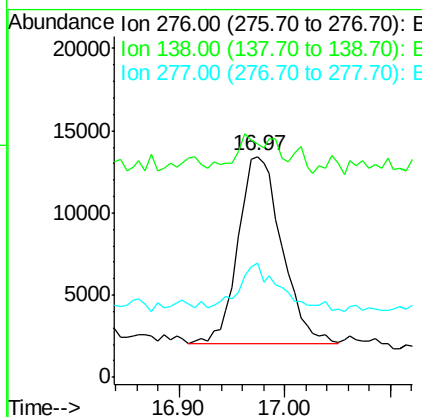
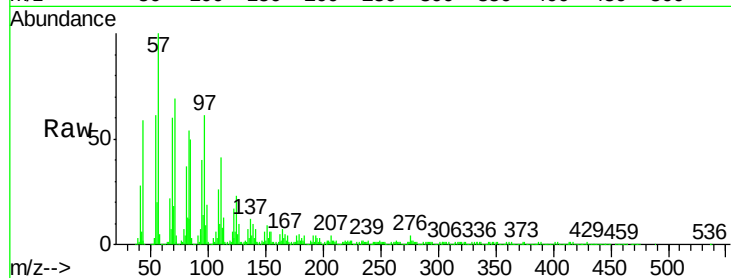




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.024 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.12 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

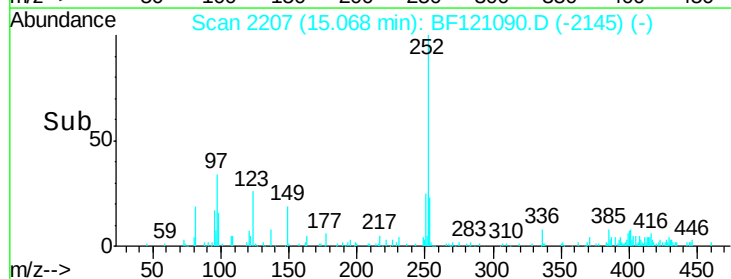
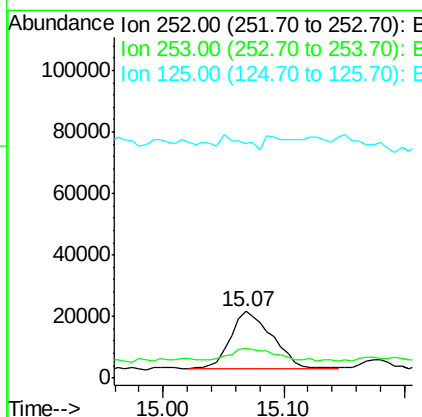
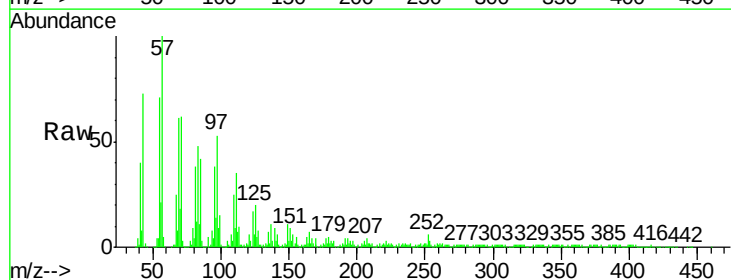
Instrument :
BNA_F
ClientSampleId :
PS-DRUM

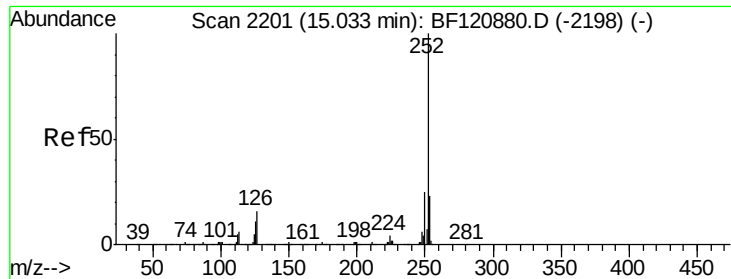
Tot Ion:276 Resp: 32308
Ion Ratio Lower Upper
276 100
138 9.7 19.8 29.8#
277 20.0 20.2 30.2#



#88
Benzo(b)fluoranthene
Concen: 4.941 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.06 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

Tgt Ion:252 Resp: 45882
Ion Ratio Lower Upper
252 100
253 45.6 18.0 27.0#
125 351.6 8.3 12.5#

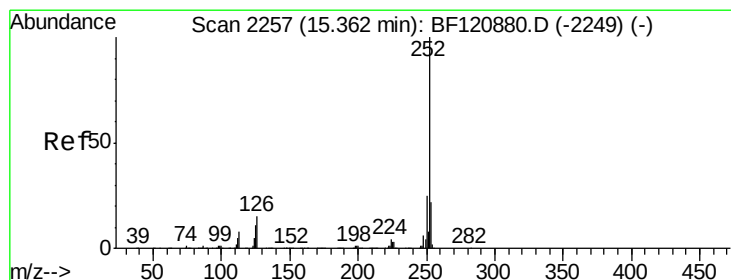
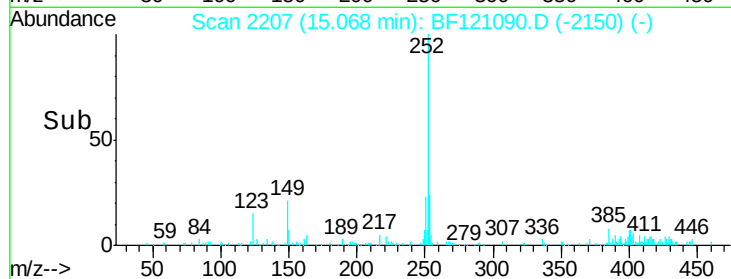
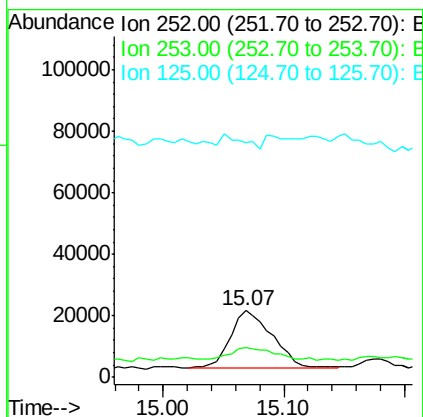
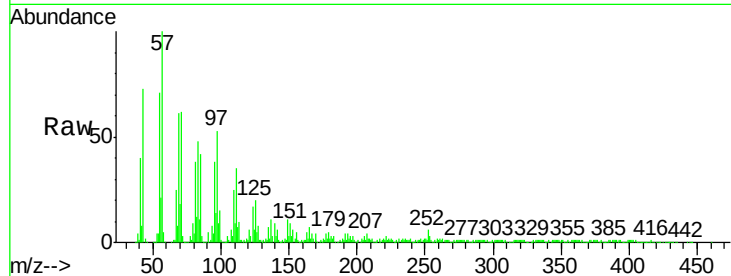




#89
Benzo(k)fluoranthene
Concen: 5.417 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.04 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

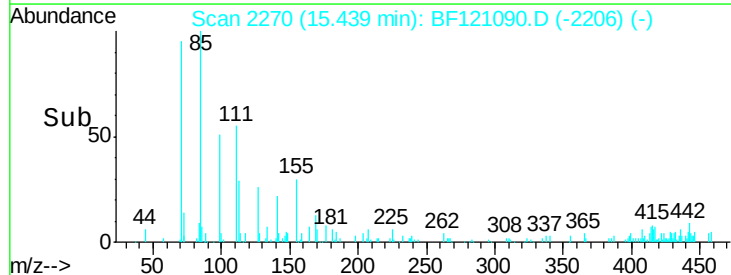
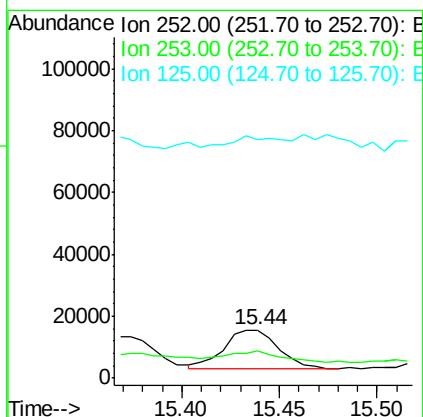
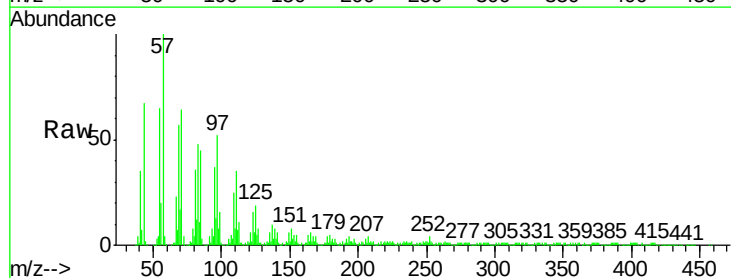
Instrument :
BNA_F
ClientSampleId :
PS-DRUM

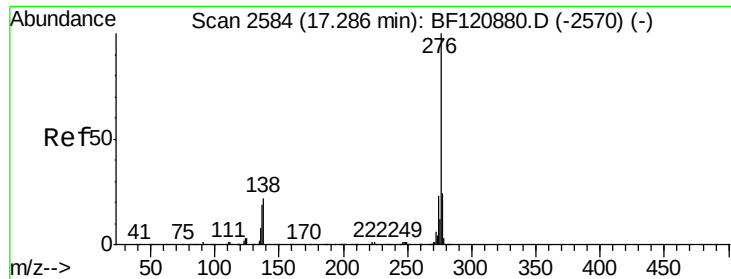
Tot Ion	Ratio	Lower	Upper
252	100		
253	45.6	18.2	27.2#
125	351.6	8.4	12.6#



#90
Benzo(a)pyrene
Concen: 2.913 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.08 min
Lab File: BF121090.D
Acq: 29 Jul 2020 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	55.9	17.8	26.8#
125	498.0	8.9	13.3#





#92

Benzo(a,h,i)perylene

Concen: 4.392 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.13 min

Lab File: BF121090.D

Acq: 29 Jul 2020 1:59

Instrument :

BNA_F

ClientSampleId :

PS-DRUM

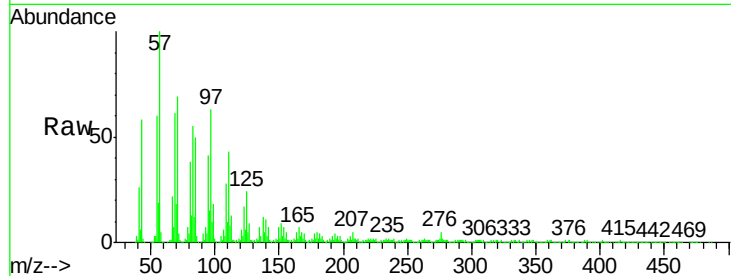
Tot Ion: 276 Resp: 37793

Ion Ratio Lower Upper

276 100

277 42.6 18.8 28.2#

138 94.8 17.5 26.3#



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

