

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
 Data File : BF121697.D
 Acq On : 25 Sep 2020 15:53
 Operator : JU/CG
 Sample : L4102-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-2B-(3.0-3.5)

Quant Time: Sep 25 16:23:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 14:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	79243	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	314023	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	160218	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	231161	20.00	ng	0.00
76) Chrysene-d12	13.97	240	210561	20.00	ng	0.00
86) Perylene-d12	15.42	264	182691	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	786632	147.53	ng	0.00
7) Phenol-d6	6.43	99	1005447	143.73	ng	0.00
23) Nitrobenzene-d5	7.36	82	704714	120.49	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	312936	157.15	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1248606	118.03	ng	0.00
79) Terphenyl-d14	12.93	244	1166498	112.23	ng	0.01

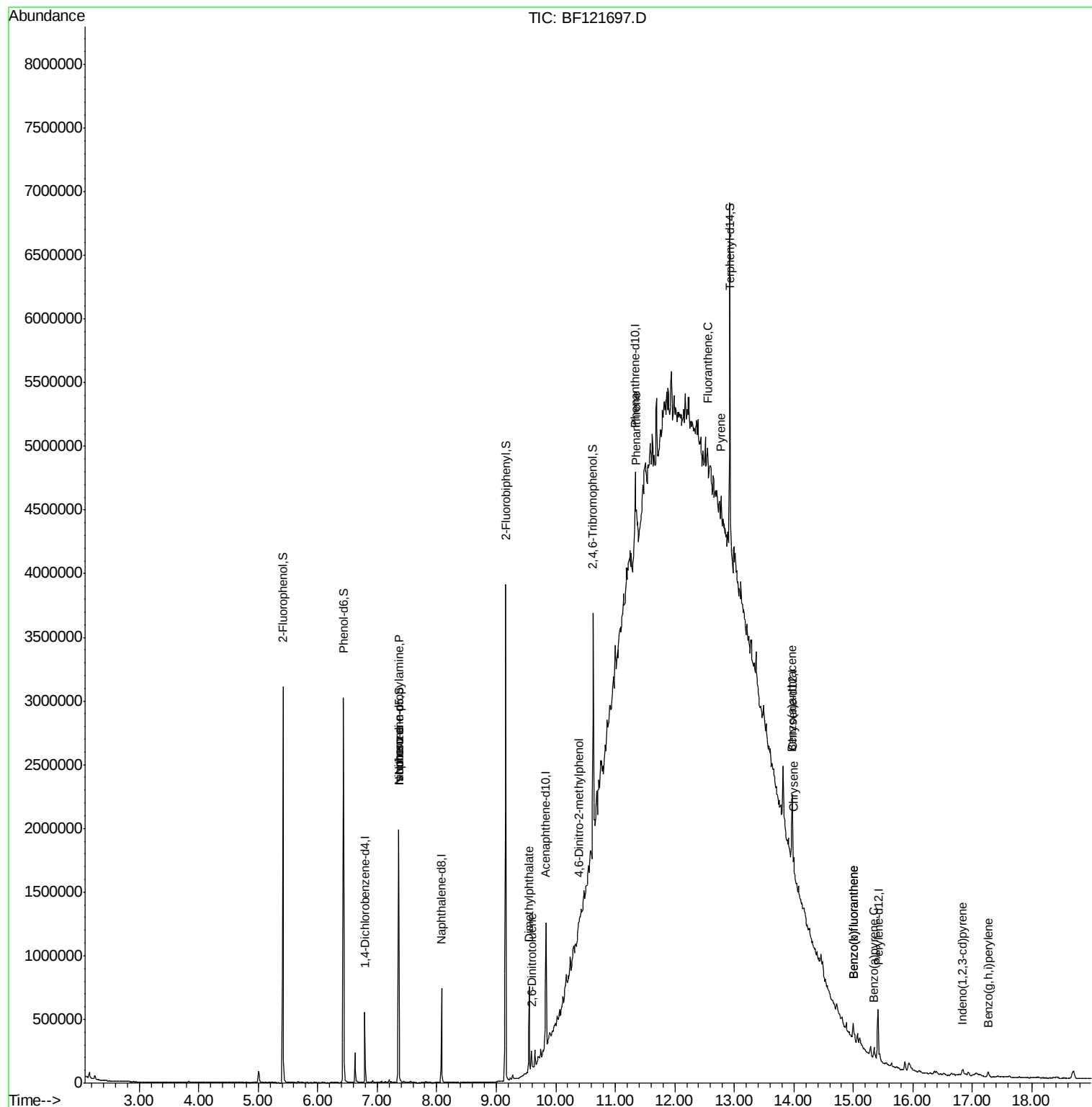
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	93363	23.157	ng	# 77
25) Isophorone	7.36	82	697085	59.209	ng	# 67
50) Dimethylphthalate	9.55	163	236644	20.379	ng	100
51) 2,6-Dinitrotoluene	9.59	165	13089	5.293	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.37	198	263	7.011	ng	# 1
71) Phenanthrene	11.36	178	39041	3.100	ng	# 42
75) Fluoranthene	12.56	202	86363	6.424	ng	85
78) Pyrene	12.78	202	86297	5.609	ng	# 87
81) Benzo(a)anthracene	13.96	228	43592	3.272	ng	# 91
83) Chrysene	14.00	228	50926	3.775	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.83	276	30782	2.587	ng	97
88) Benzo(b)fluoranthene	15.00	252	83510	6.838	ng	# 92
89) Benzo(k)fluoranthene	15.00	252	83510	7.467	ng	# 93
90) Benzo(a)pyrene	15.35	252	38449	3.704	ng	# 97
92) Benzo(a,h,i)perylene	17.26	276	30210	3.103	ng	98

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

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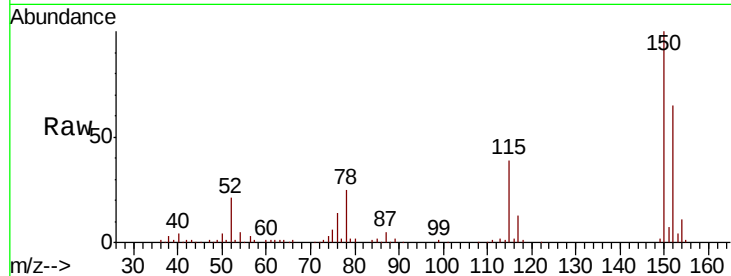


#1

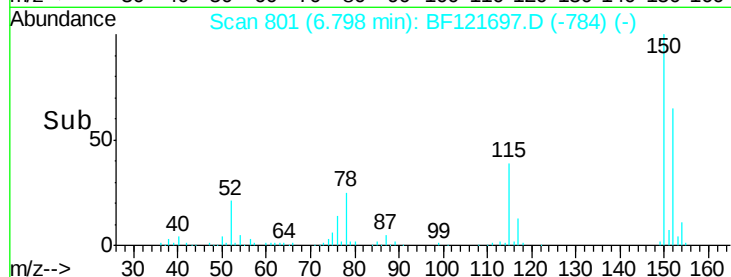
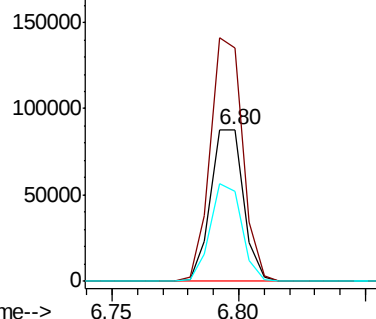
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Instrument :
BNA_F
ClientSampleId :
PE-2B-(3.0-3.5)

Tot Ion:152 Resp: 79243
Ion Ratio Lower Upper
152 100
150 153.4 126.1 189.1
115 59.6 50.6 76.0



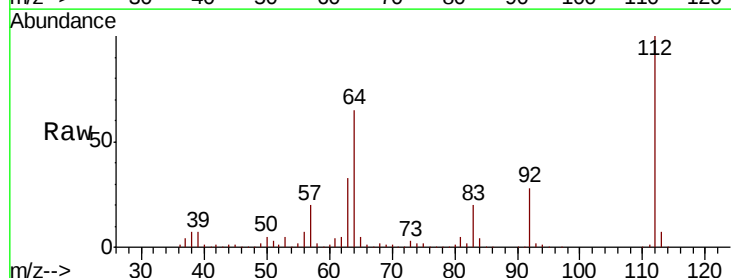
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



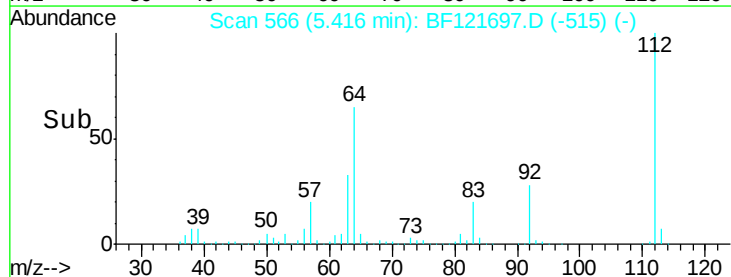
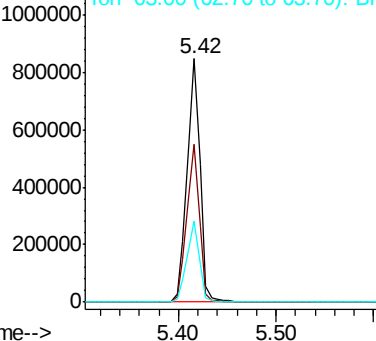
#5

2-Fluorophenol
Concen: 147.525 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Tgt Ion:112 Resp: 786632
Ion Ratio Lower Upper
112 100
64 64.6 49.5 74.3
63 33.1 25.2 37.8



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: 143.727 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

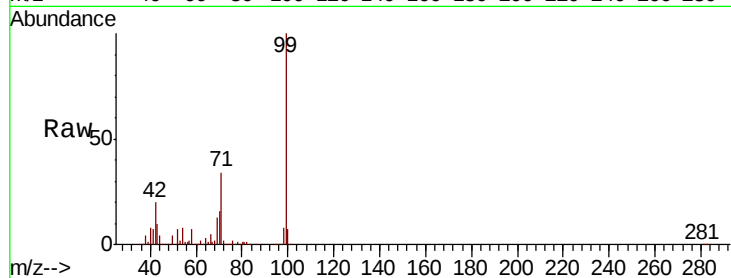
BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

Tot Ion: 99 Resp: 1005447

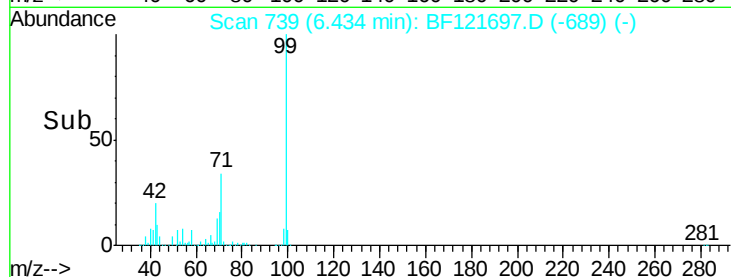
Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.1	24.1
71	34.4	27.9	41.9



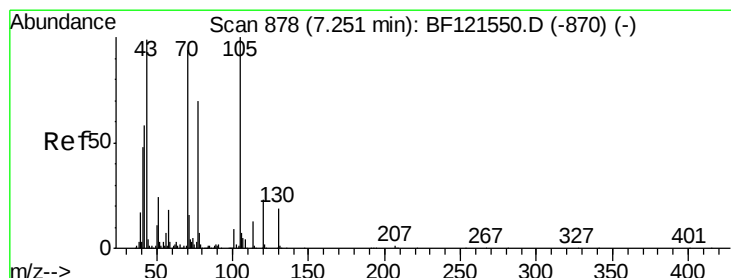
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time--> 6.30 6.40 6.50 6.60



#19

n-Nitroso-di-n-propylamine

Concen: 23.157 ng

RT: 7.36 min Scan# 897

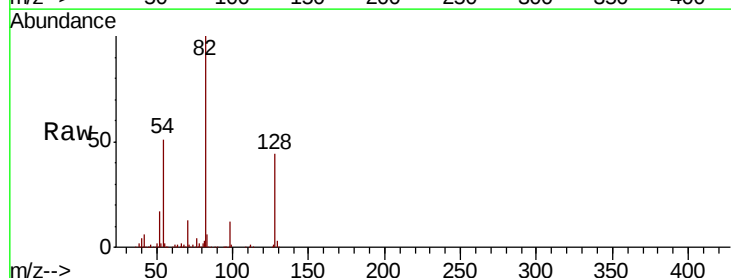
Delta R.T. 0.14 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Tgt Ion: 70 Resp: 93363

Ion	Ratio	Lower	Upper
70	100		
42	48.3	50.1	75.1#
101	0.0	7.4	11.0#
130	2.2	15.3	22.9#

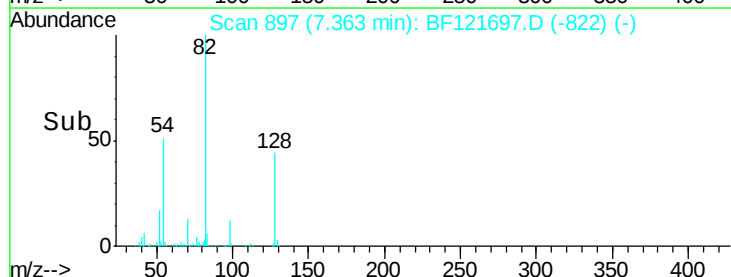


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



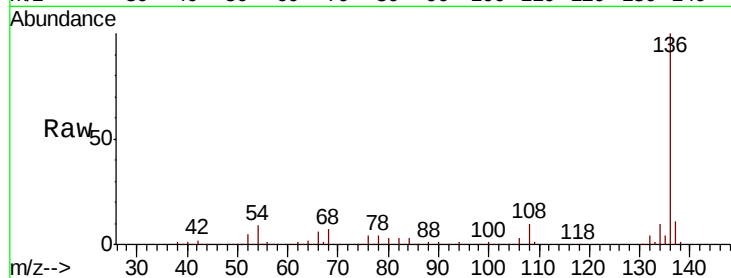
Time--> 7.30 7.35 7.40 7.45



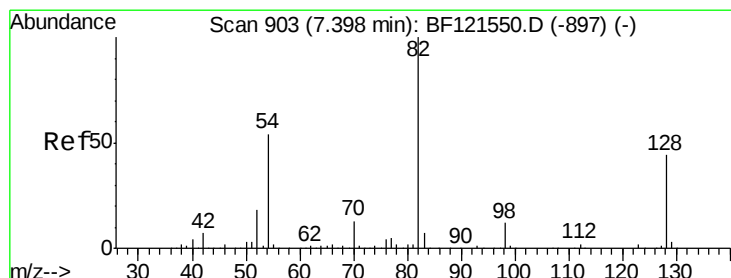
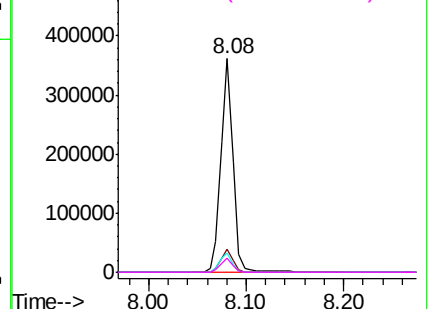
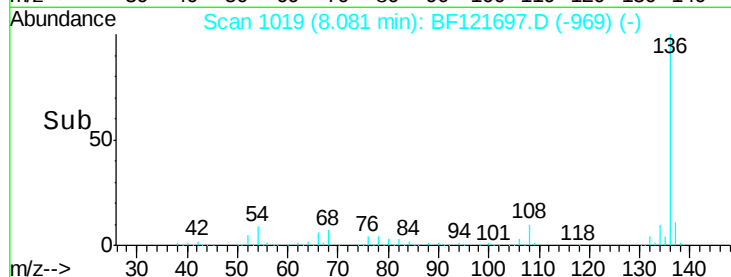
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Instrument :
BNA_F
ClientSampleId :
PE-2B-(3.0-3.5)

Tot Ion:136	Resp:	314023
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	8.9	7.6 11.4
68	6.5	5.3 7.9

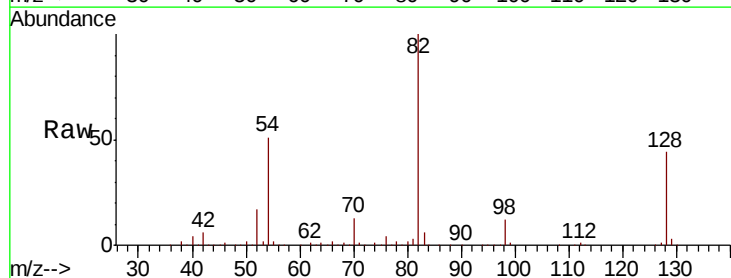


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

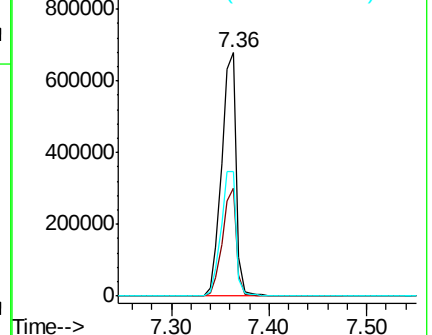
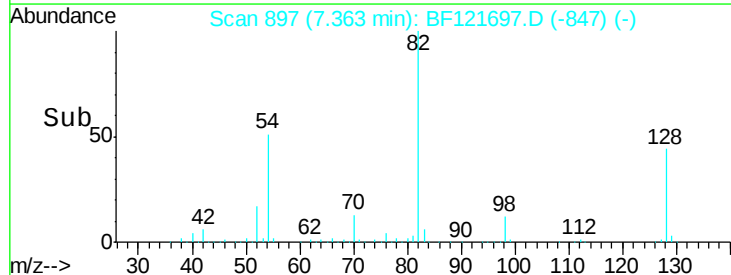


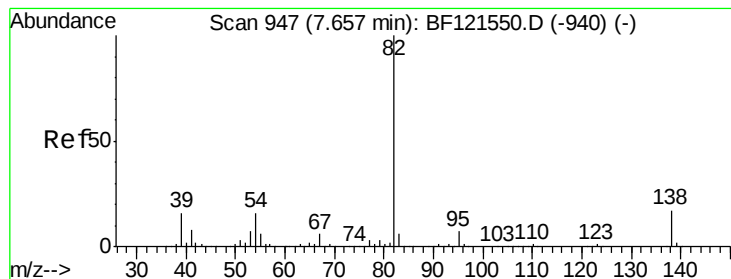
#23
Nitrobenzene-d5
Concen: 120.492 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Tgt Ion: 82	Resp:	704714
Ion Ratio	Lower	Upper
82	100	
128	44.4	33.9 50.9
54	51.3	43.2 64.8



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: 59.209 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

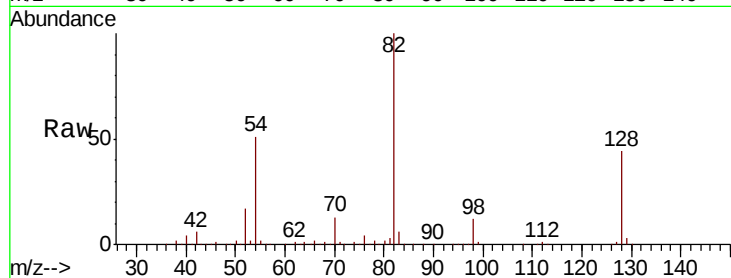
Tot Ion: 82 Resp: 697085

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

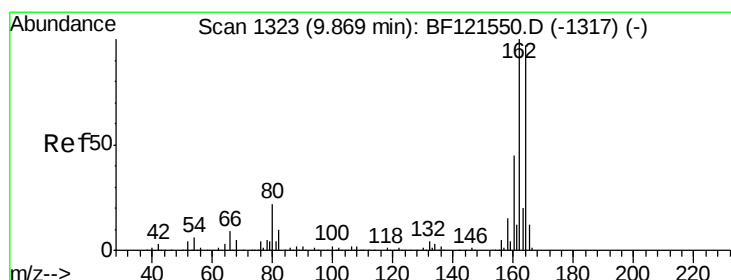
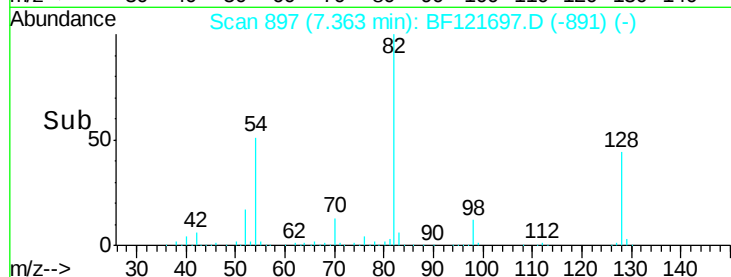
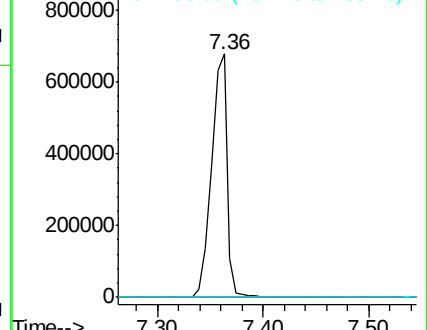
138 0.0 13.3 19.9#



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: BF121697.D

Acq: 25 Sep 2020 15:53

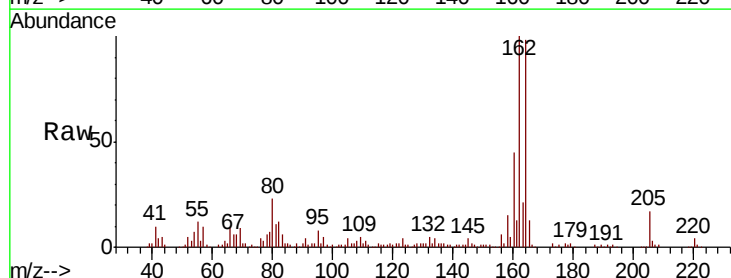
Tgt Ion: 164 Resp: 160218

Ion Ratio Lower Upper

164 100

162 102.1 82.3 123.5

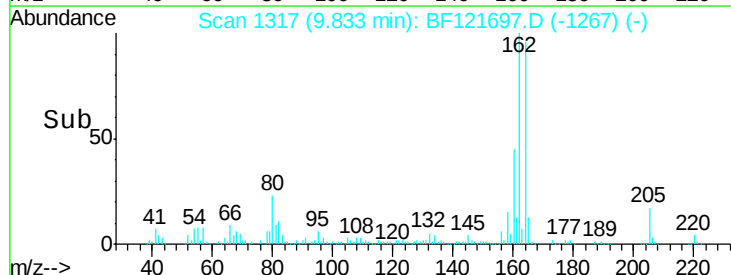
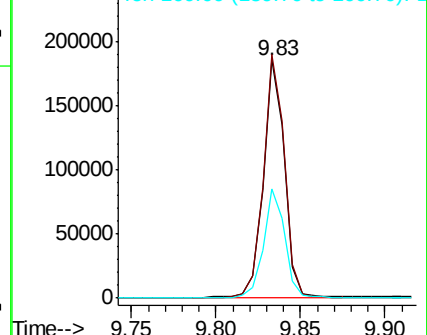
160 45.8 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

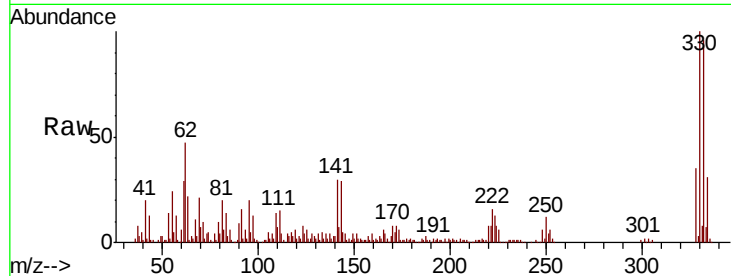




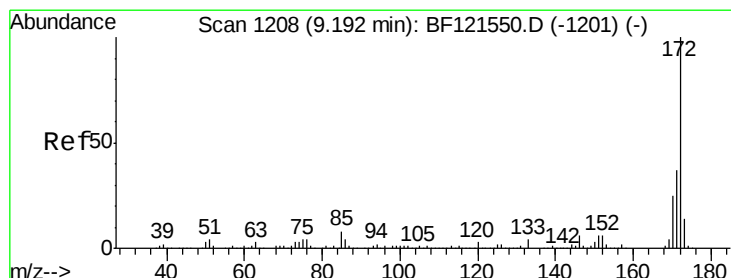
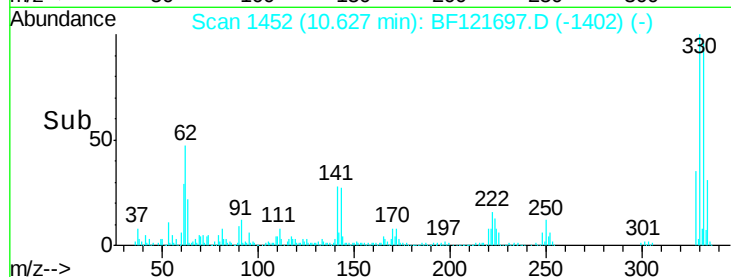
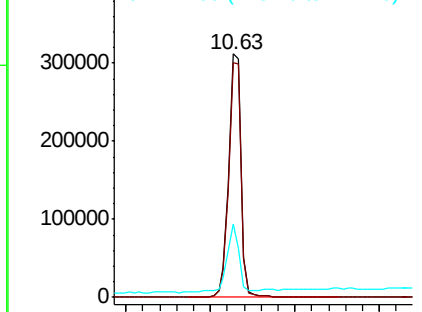
#42
 2,4,6-Tribromophenol
 Concen: 157.152 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121697.D
 Acq: 25 Sep 2020 15:53

Instrument :
 BNA_F
 ClientSampleId :
 PE-2B-(3.0-3.5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	27.4	22.2	33.2

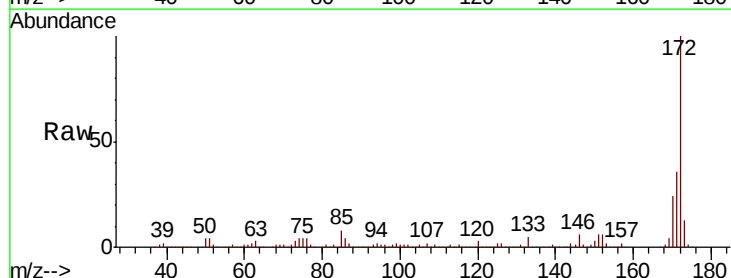


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

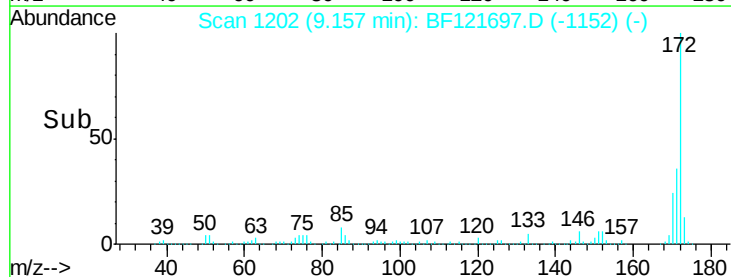
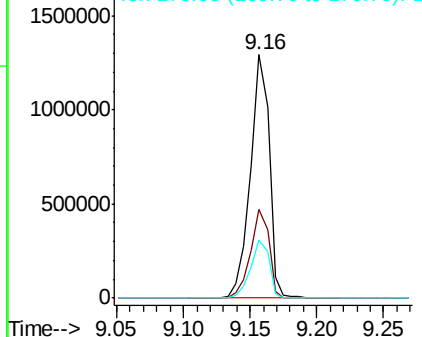


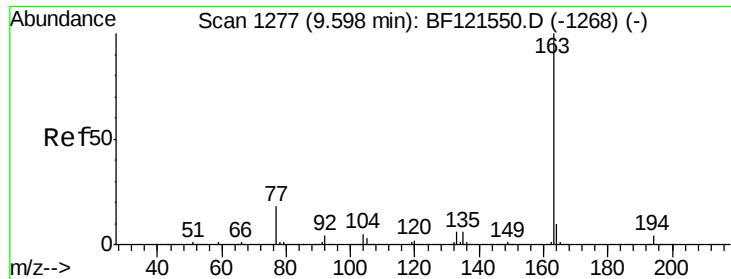
#45
 2-Fluorobiphenyl
 Concen: 118.030 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121697.D
 Acq: 25 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	23.9	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

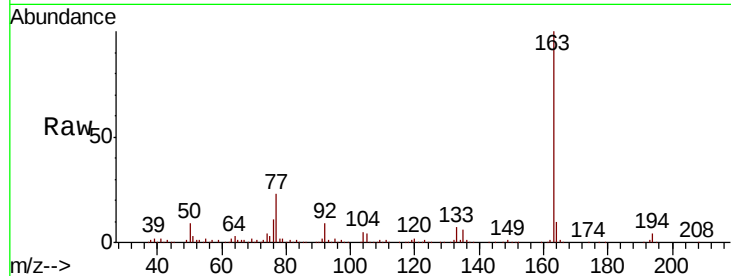




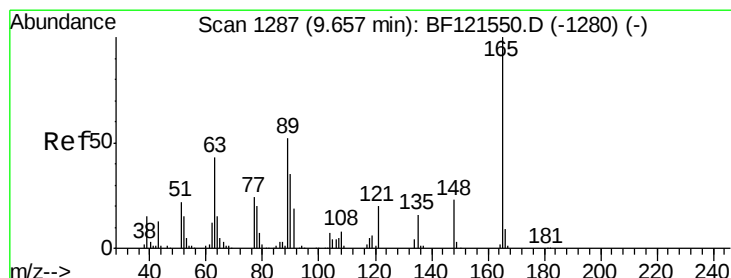
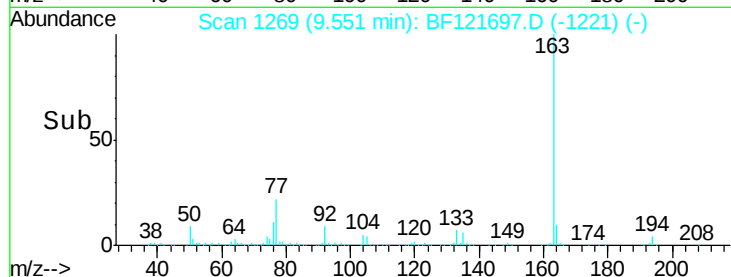
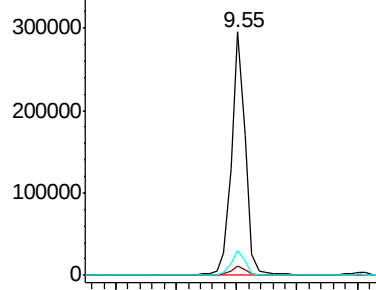
#50
Dimethylphthalate
Concen: 20.379 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Instrument :
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ClientSampleId :
PE-2B-(3.0-3.5)

Tot Ion:163	Resp:	236644
Ion Ratio	Lower	Upper
163	100	
194	3.8	3.1 4.7
164	10.3	8.3 12.5

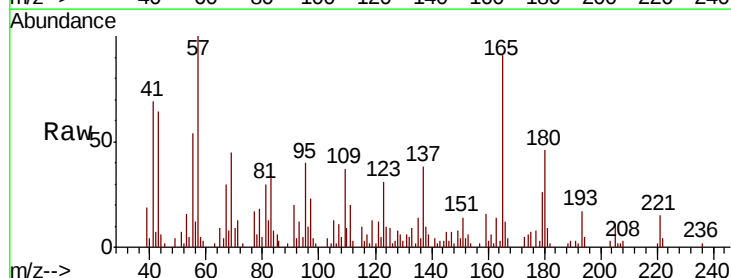


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

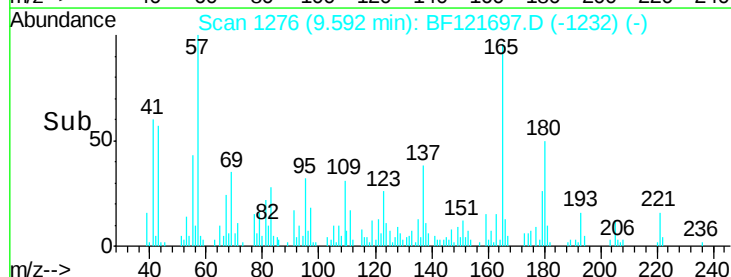
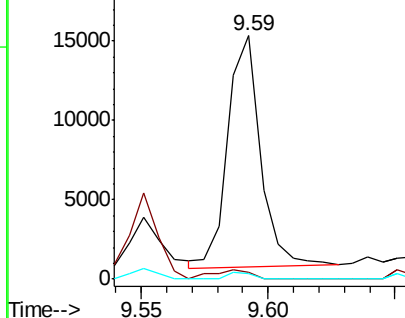


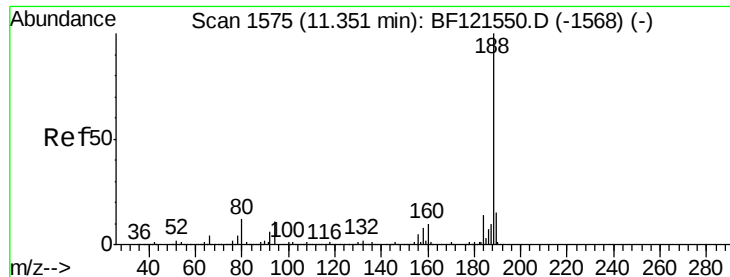
#51
2,6-Dinitrotoluene
Concen: 5.293 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.04 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Tgt Ion:165	Resp:	13089
Ion Ratio	Lower	Upper
165	100	
63	2.6	41.8 62.6#
89	2.3	42.2 63.4#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

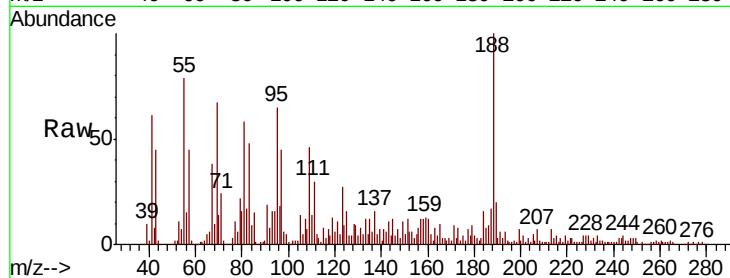
Tot Ion:188 Resp: 231161

Ion Ratio Lower Upper

188 100

94 15.9 7.9 11.9#

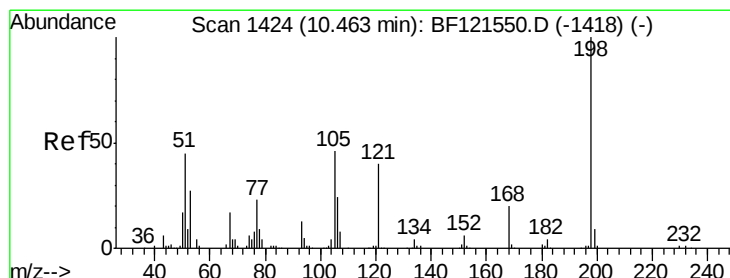
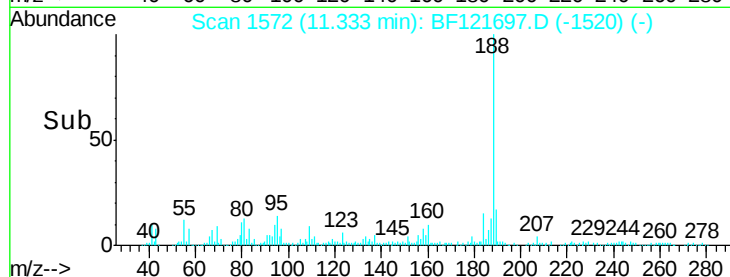
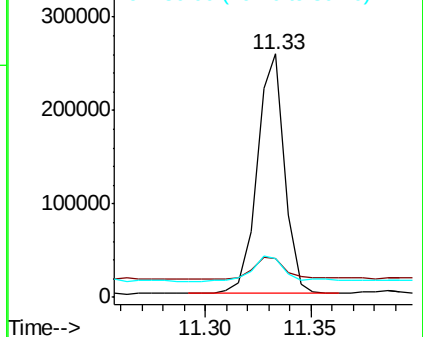
80 16.1 8.6 13.0#



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: 7.011 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.07 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

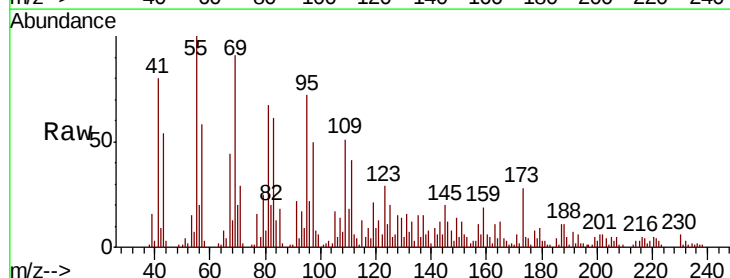
Tgt Ion:198 Resp: 263

Ion Ratio Lower Upper

198 100

51 673.8 31.9 71.9#

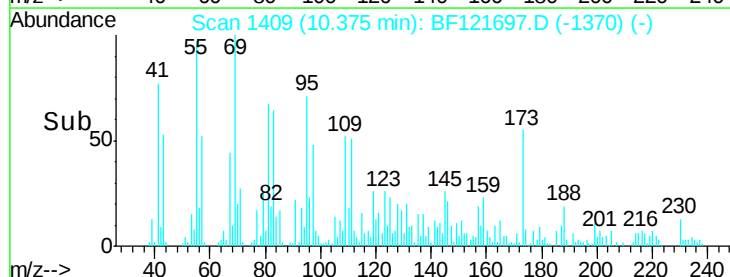
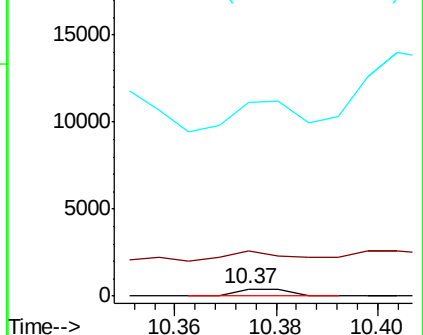
105 2844.6 25.8 65.8#

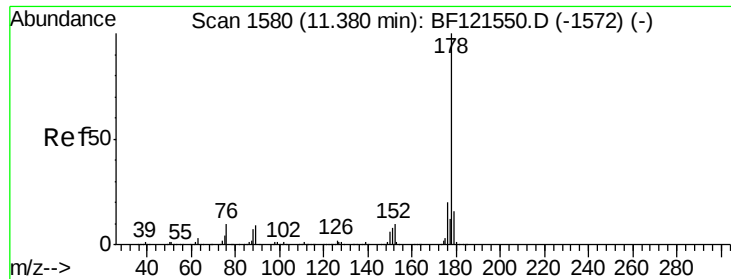


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

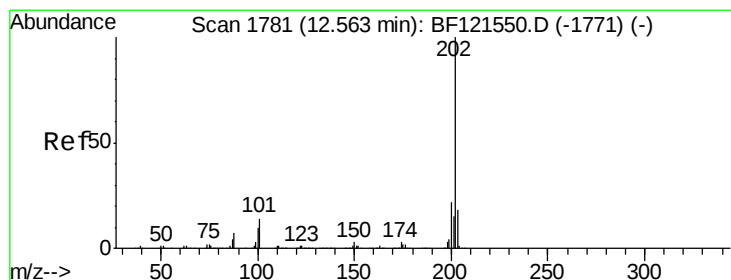
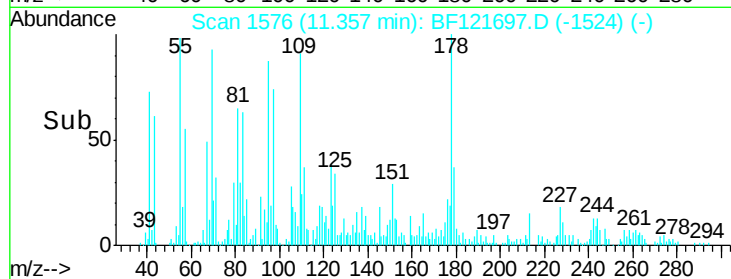
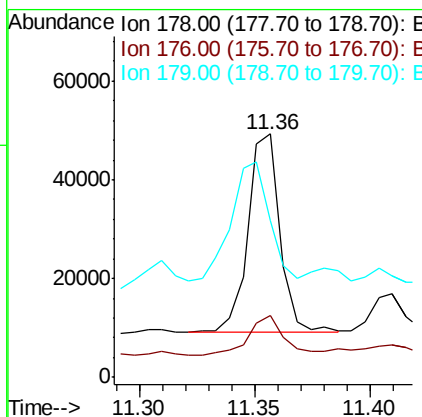
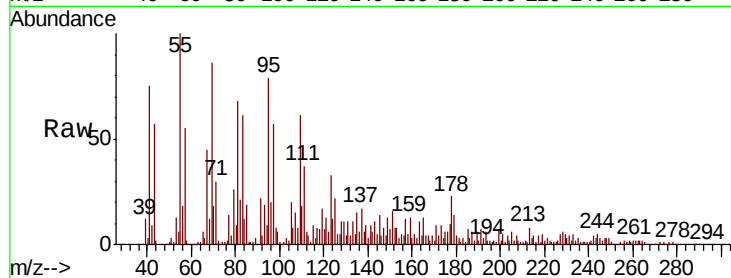




#71
Phenanthrene
Concen: 3.100 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

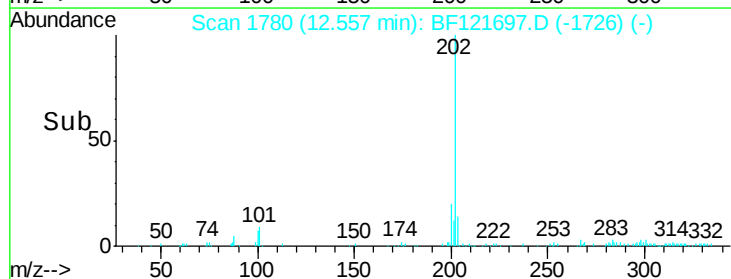
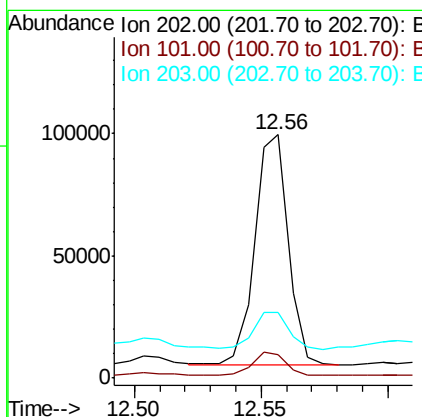
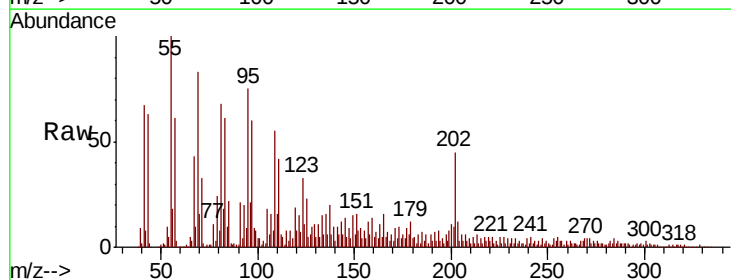
Instrument :
BNA_F
ClientSampleId :
PE-2B-(3.0-3.5)

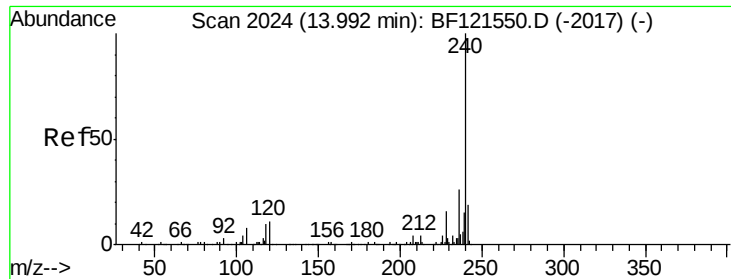
Tot Ion	Ratio	Lower	Upper
178	100		
176	25.5	15.8	23.8#
179	64.3	12.6	19.0#



#75
Fluoranthene
Concen: 6.424 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.02 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	33.2
203	27.0	0.0	38.2

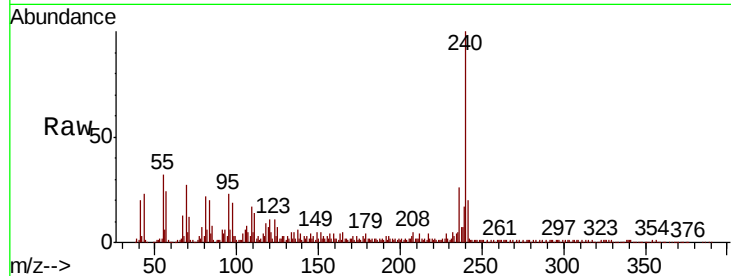




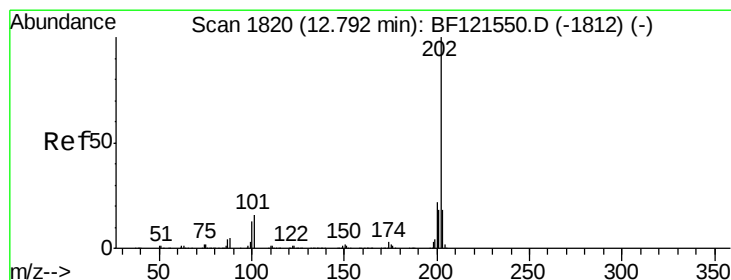
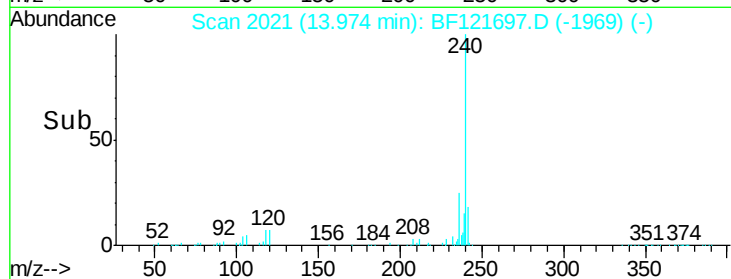
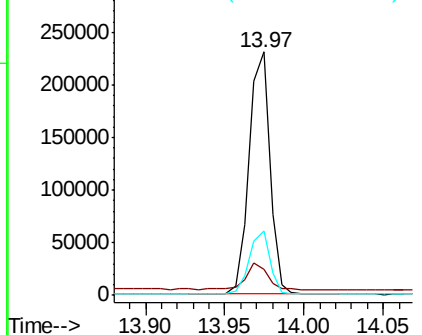
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Instrument :
BNA_F
ClientSampleId :
PE-2B-(3.0-3.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.9	14.9
236	26.2	20.6	31.0

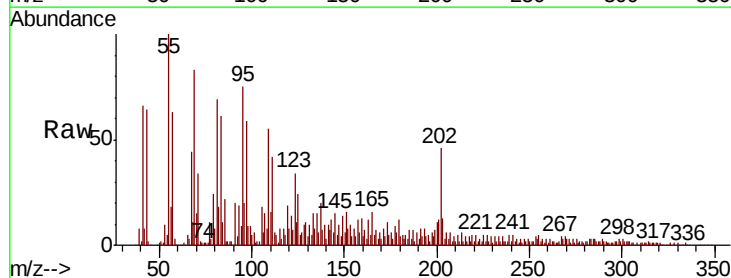


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

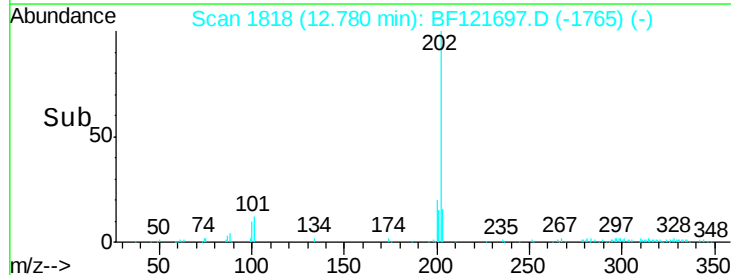
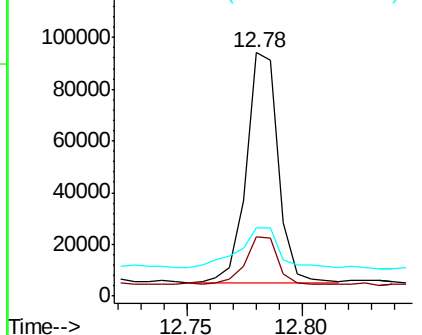


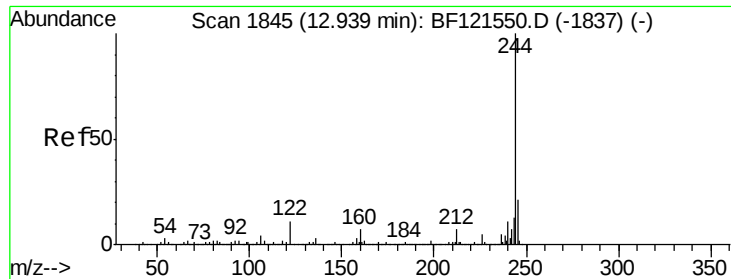
#78
Pyrene
Concen: 5.609 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF121697.D
Acq: 25 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.3	17.8	26.6
203	28.2	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: 112.234 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

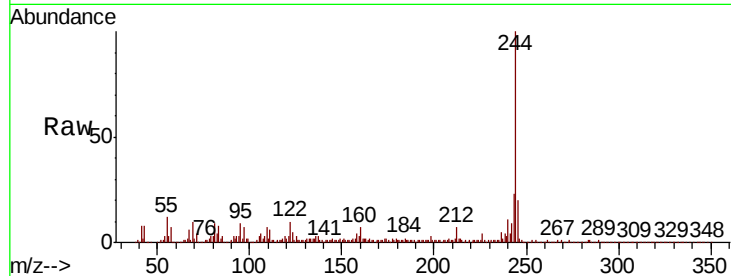
Tot Ion:244 Resp: 1166498

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

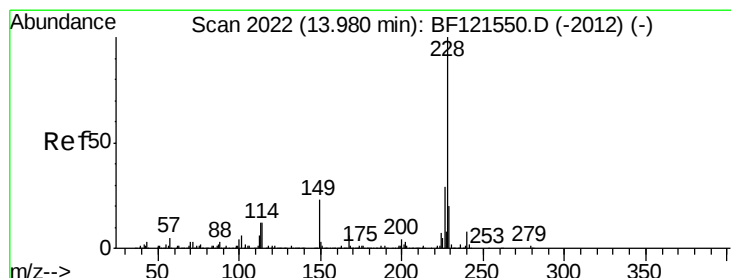
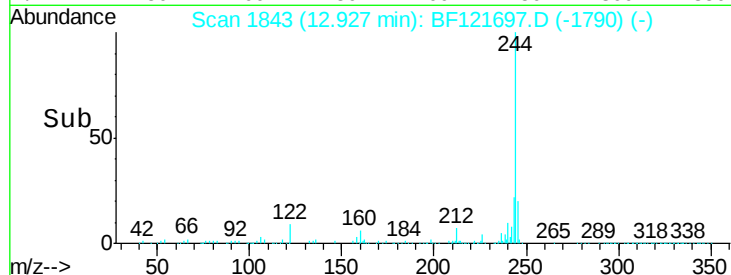
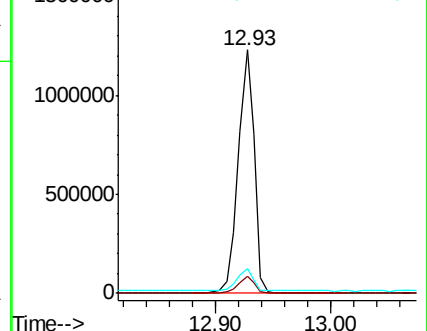
122 10.0 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.272 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

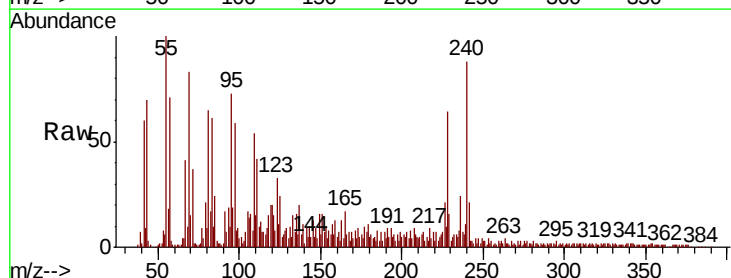
Tgt Ion:228 Resp: 43592

Ion Ratio Lower Upper

228 100

226 32.6 22.5 33.7

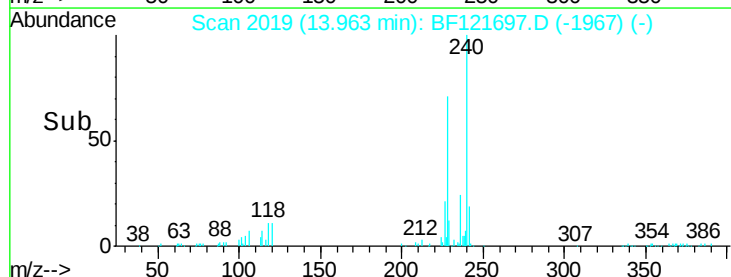
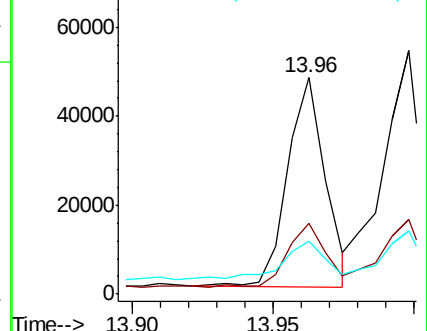
229 24.6 16.3 24.5#

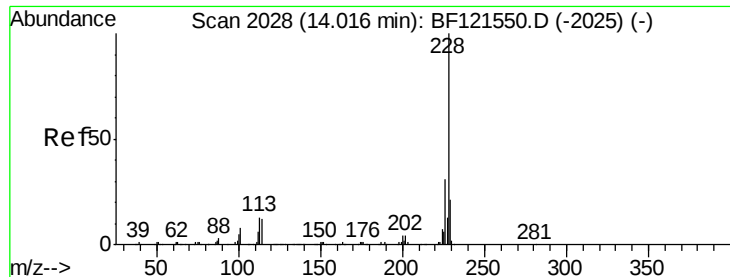


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.775 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

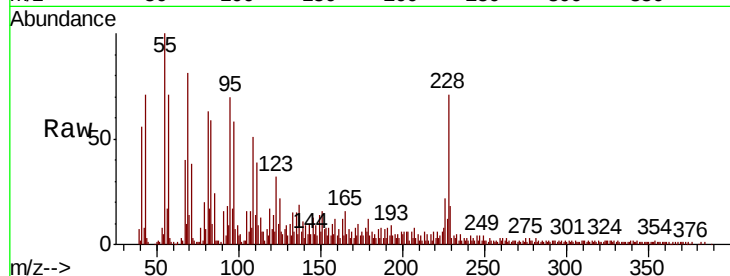
Tot Ion:228 Resp: 50926

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

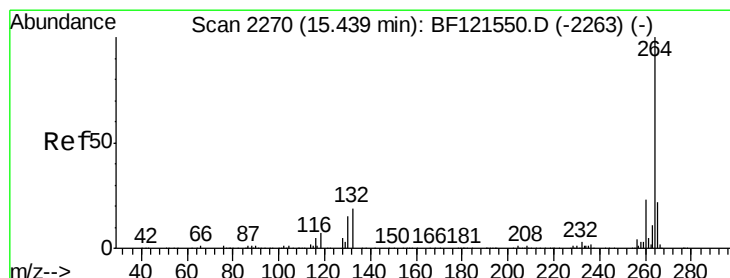
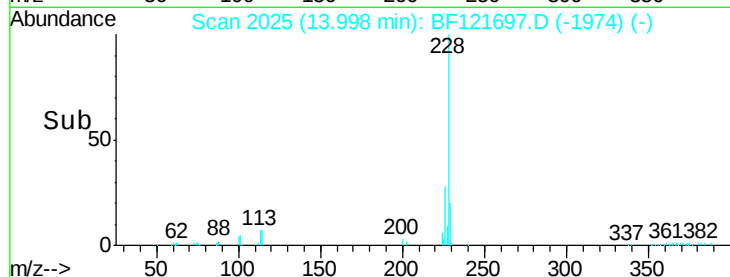
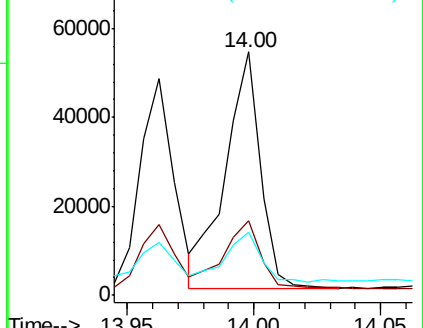
229 25.8 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

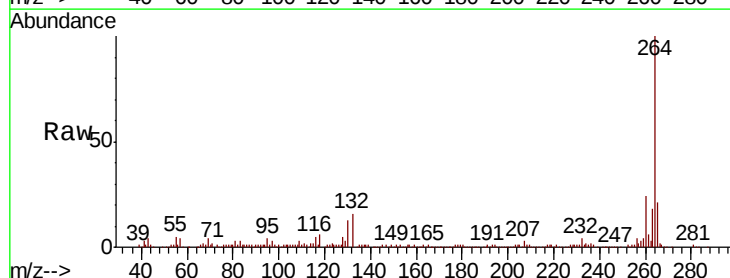
Tgt Ion:264 Resp: 182691

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

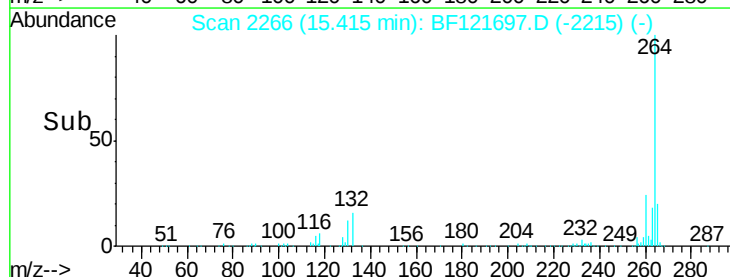
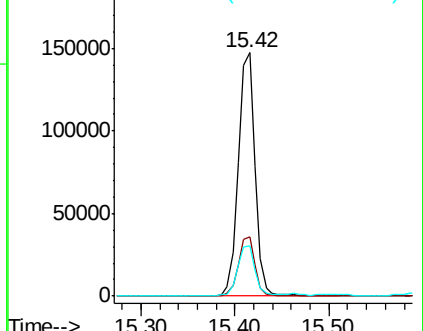
265 20.7 17.6 26.4

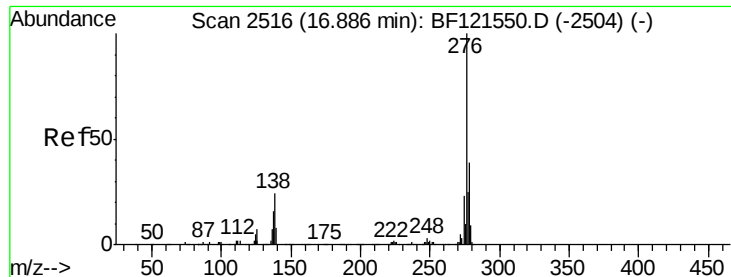


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

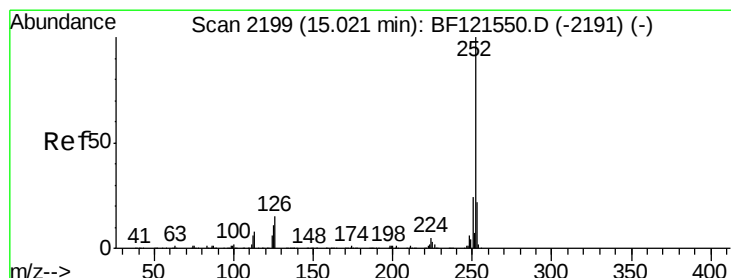
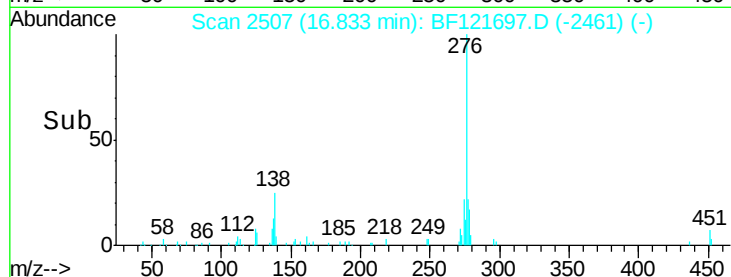
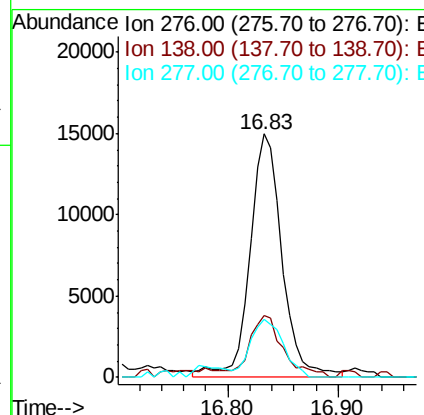
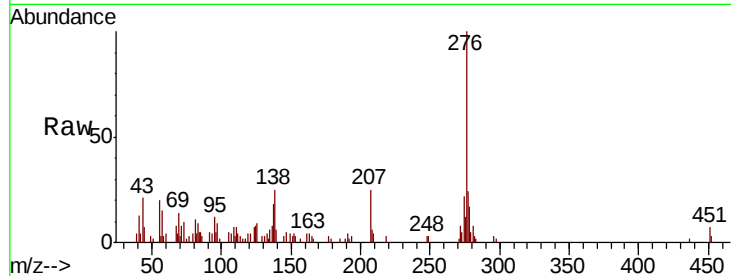




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.587 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. -0.03 min
 Lab File: BF121697.D
 Acq: 25 Sep 2020 15:53

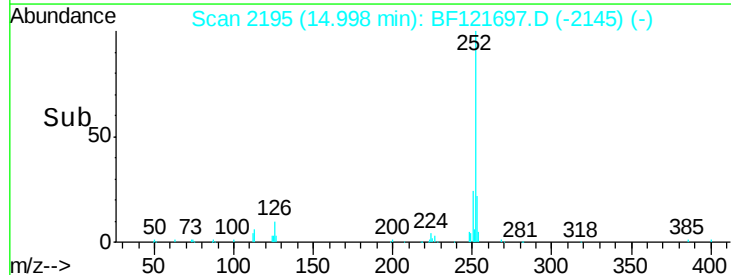
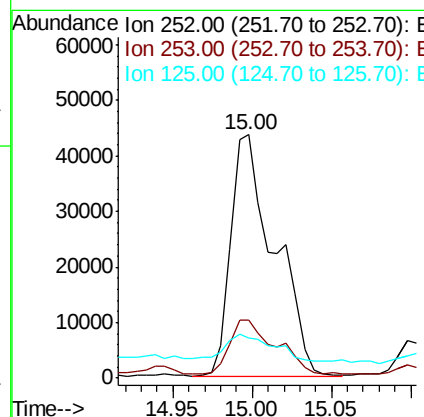
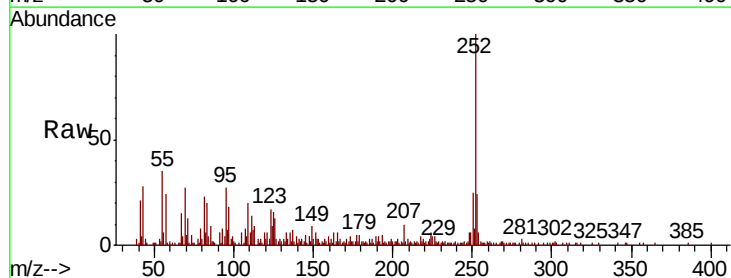
Instrument :
 BNA_F
 ClientSampleId :
 PE-2B-(3.0-3.5)

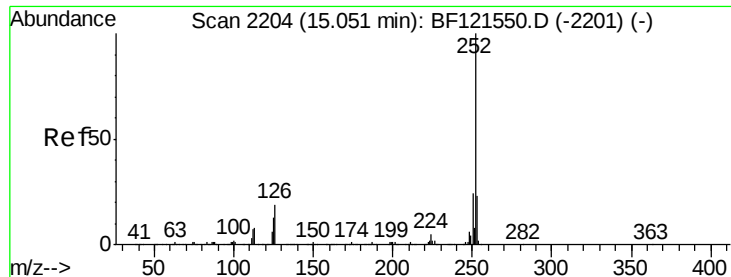
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.2	28.8
277	24.3	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 6.838 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BF121697.D
 Acq: 25 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	16.4	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 7.467 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.04 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

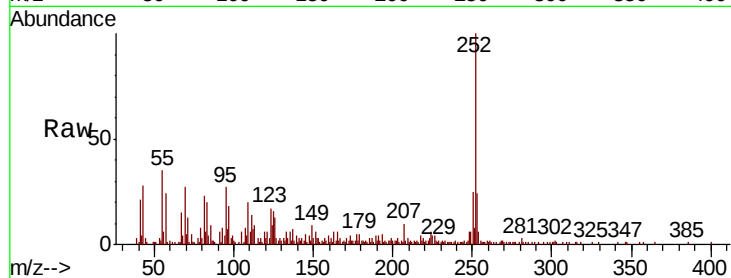
Tot Ion:252 Resp: 83510

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

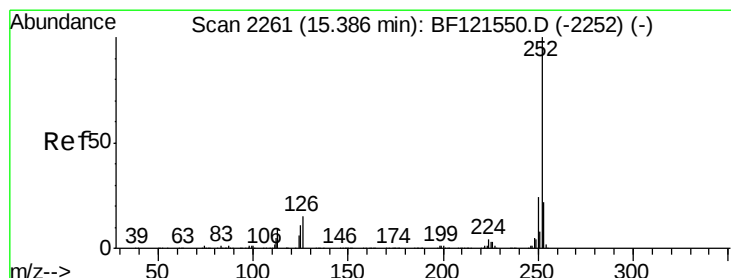
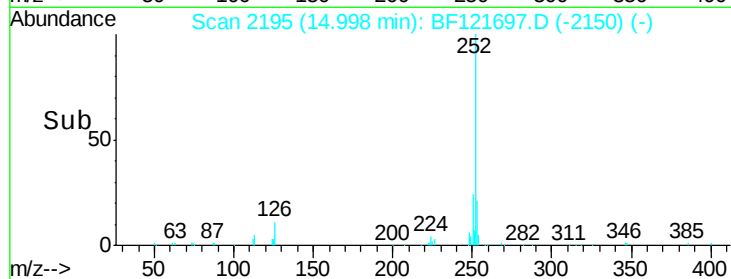
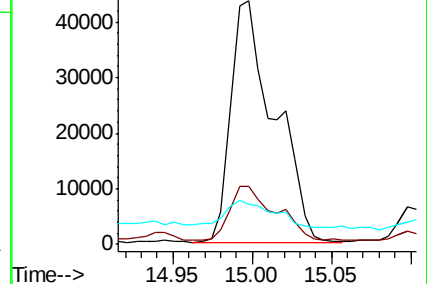
125 16.4 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.704 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

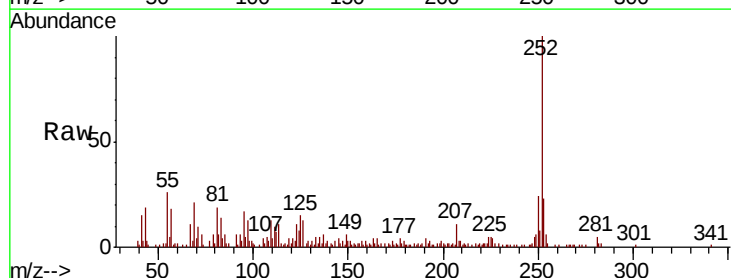
Tgt Ion:252 Resp: 38449

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

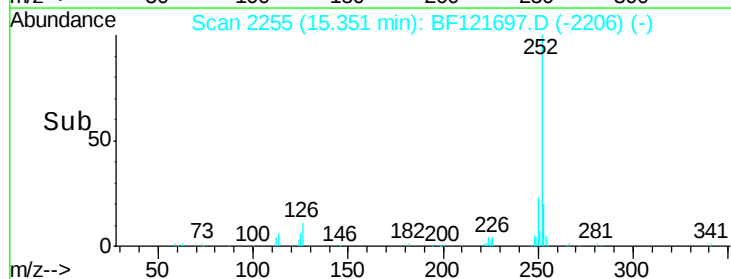
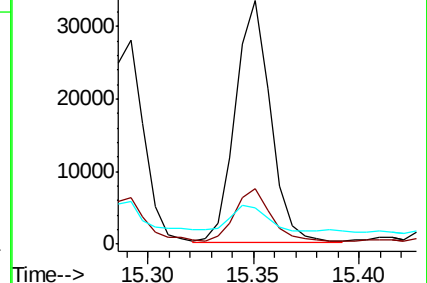
125 14.8 9.1 13.7#

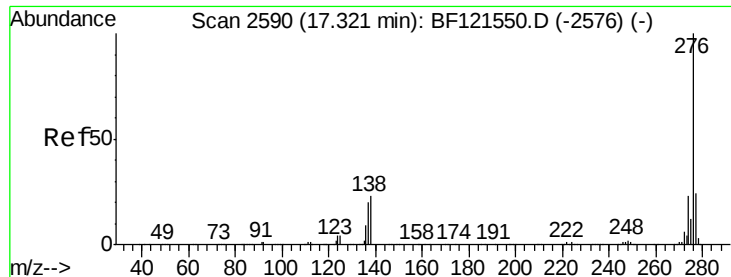


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.103 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.03 min

Lab File: BF121697.D

Acq: 25 Sep 2020 15:53

Instrument :

BNA_F

ClientSampleId :

PE-2B-(3.0-3.5)

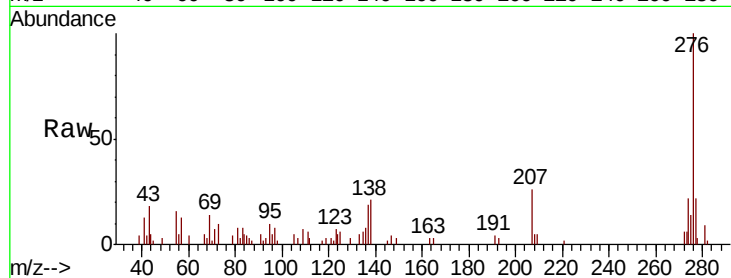
Tot Ion:276 Resp: 30210

Ion Ratio Lower Upper

276 100

277 22.1 18.7 28.1

138 21.4 16.8 25.2



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

