

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121000.D
 Acq On : 24 Jul 2020 13:45
 Operator : JU/CG
 Sample : L3410-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 14:08:37 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	6.81	152	142895	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	506915	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	259920	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	467978	20.00	ng	0.00
76) Chrysene-d12	13.96	240	325032	20.00	ng	-0.01
86) Perylene-d12	15.41	264	364936	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	130387	14.96	ng	0.00
7) Phenol-d6	6.44	99	471039	41.83	ng	0.00
23) Nitrobenzene-d5	7.37	82	480682	54.87	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	10419	3.66	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	972081	55.84	ng	0.00
79) Terphenyl-d14	12.92	244	812428	54.33	ng	0.00

Target Compounds

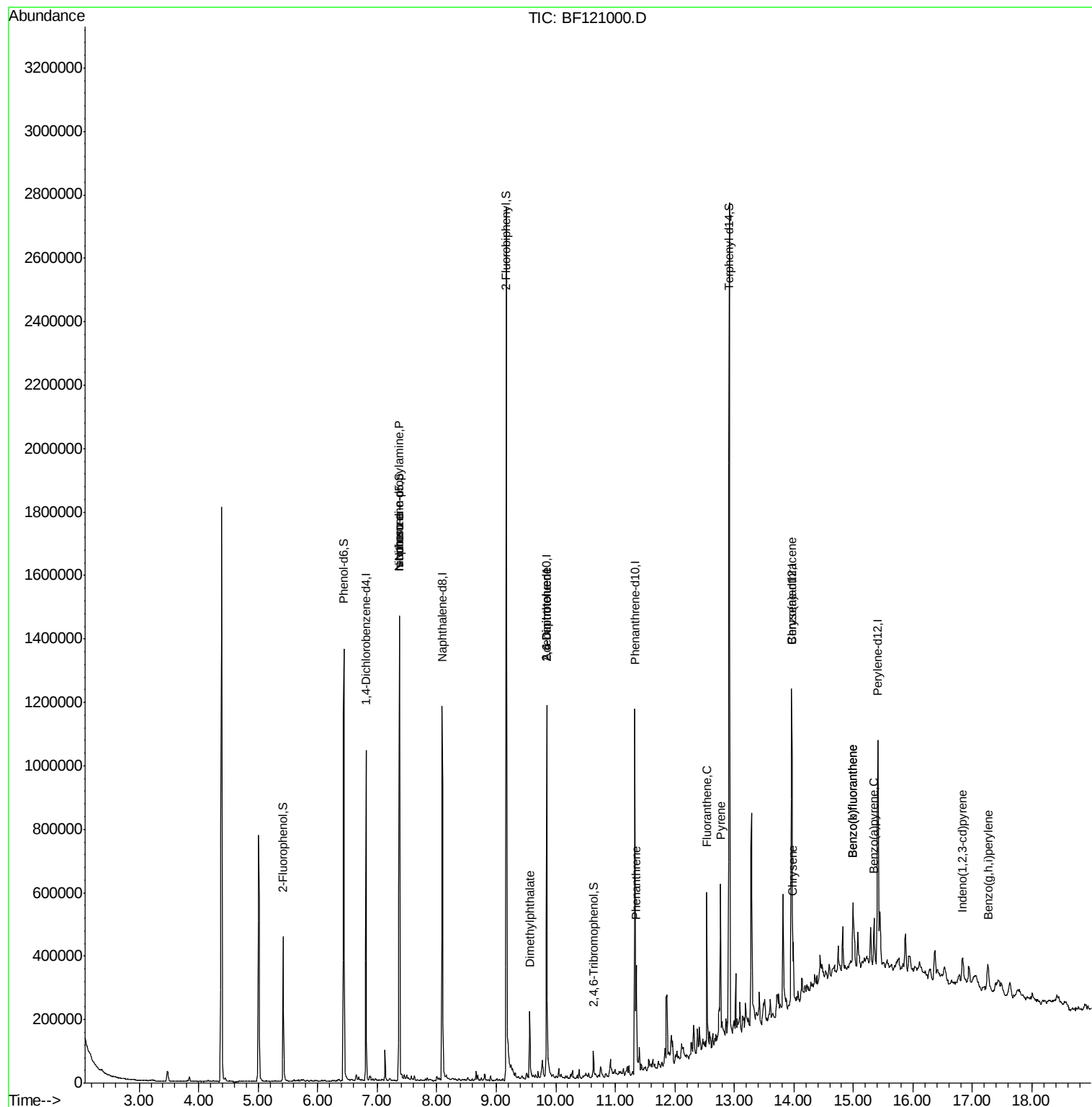
						Qvalue
9) Benzaldehyde	6.36	77	1505	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.37	70	64708	10.107 ng	#	76
25) Isophorone	7.37	82	480677	27.492 ng	#	63
50) Dimethylphthalate	9.56	163	96487	5.146 ng		100
51) 2,6-Dinitrotoluene	9.85	165	33811	8.393 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	34456	6.513 ng	#	28
71) Phenanthrene	11.35	178	112053	4.656 ng		96
75) Fluoranthene	12.54	202	179604	6.732 ng		97
78) Pyrene	12.77	202	176158	7.666 ng		99
81) Benzo(a)anthracene	13.96	228	83669	4.251 ng		97
83) Chrysene	13.99	228	83053	4.015 ng		97
87) Indeno(1,2,3-cd)pyrene	16.83	276	66571	2.623 ng	#	92
88) Benzo(b)fluoranthene	14.99	252	145901	6.614 ng	#	94
89) Benzo(k)fluoranthene	14.99	252	145901	7.252 ng	#	95
90) Benzo(a)pyrene	15.35	252	85639	4.255 ng	#	96
92) Benzo(g,h,i)perylene	17.26	276	67456	3.300 ng		97

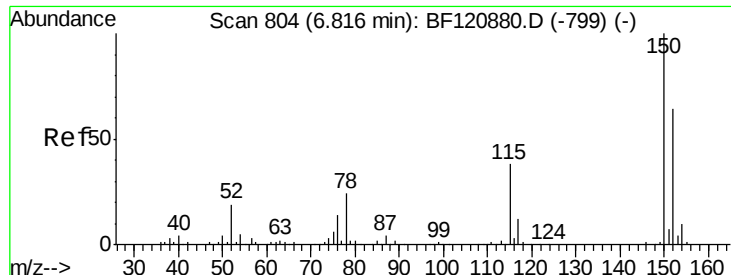
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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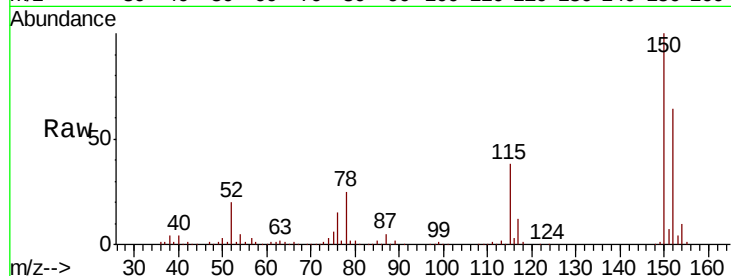


#1

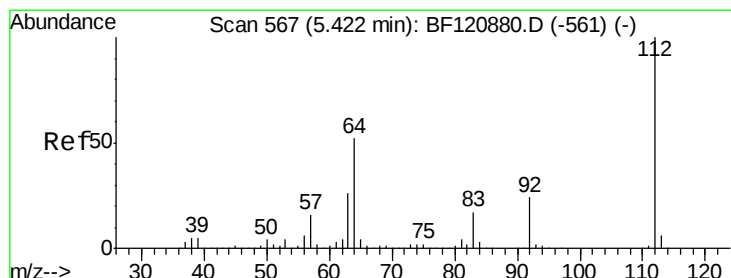
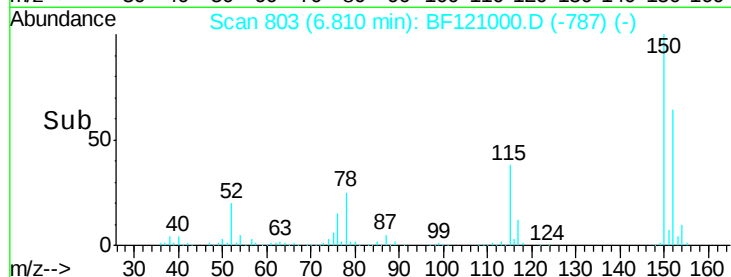
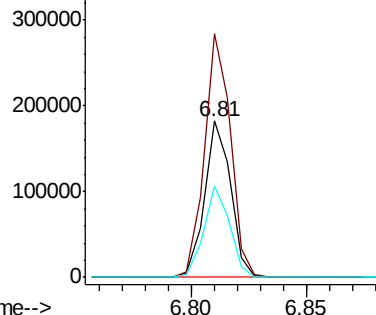
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142895
Ion Ratio Lower Upper
152 100
150 155.7 125.0 187.6
115 58.7 47.0 70.4



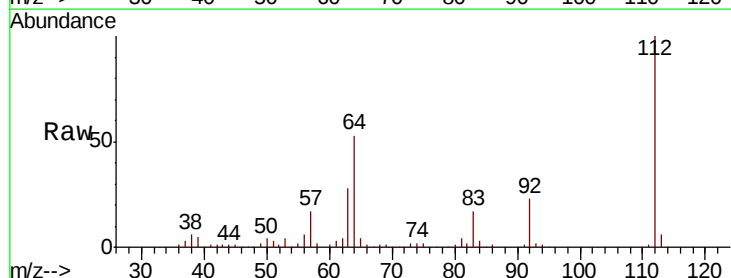
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



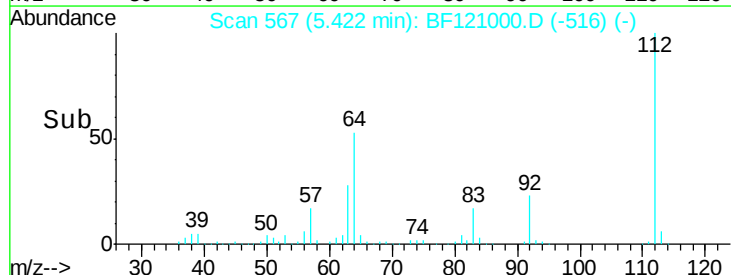
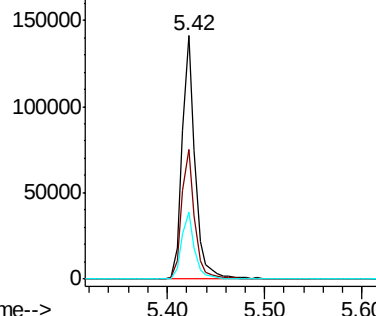
#5

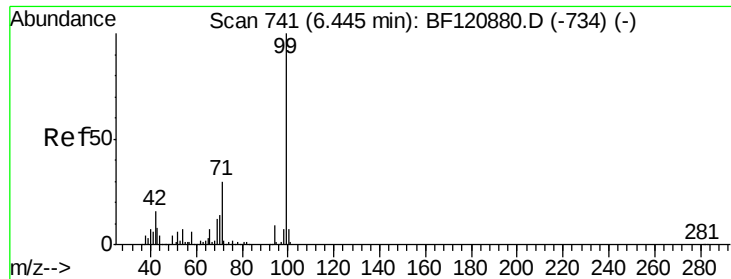
2-Fluorophenol
Concen: 14.959 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion:112 Resp: 130387
Ion Ratio Lower Upper
112 100
64 53.2 41.3 61.9
63 27.7 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: 41.835 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121000.D

Acq: 24 Jul 2020 13:45

Instrument :

BNA_F

ClientSampleId :

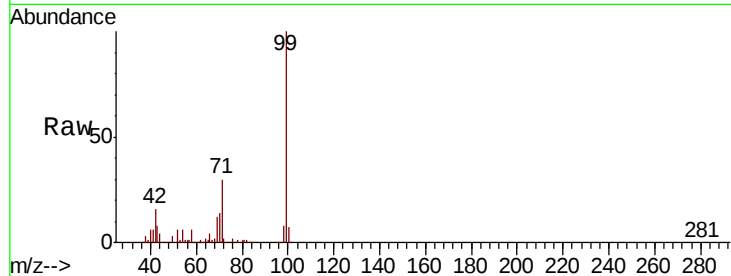
Tot Ion: 99 Resp: 471039

Ion Ratio Lower Upper

99 100

42 16.4 13.1 19.7

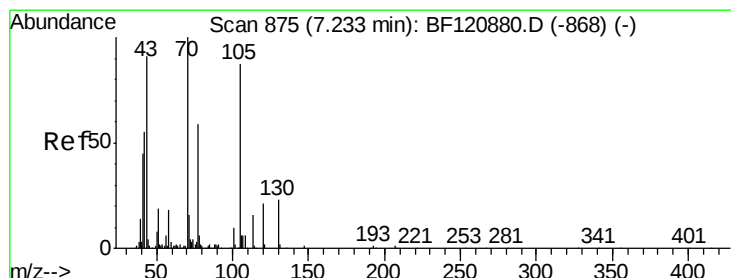
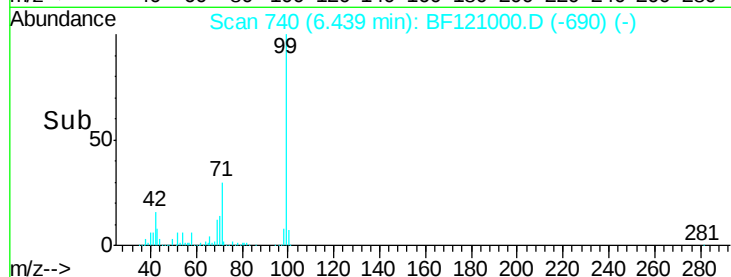
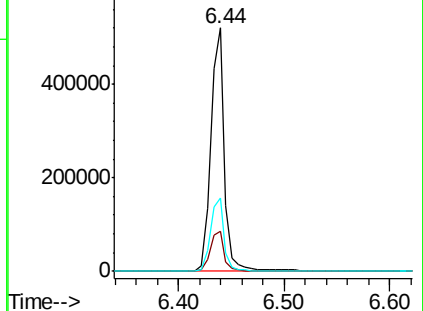
71 30.1 24.2 36.4



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: 10.107 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121000.D

Acq: 24 Jul 2020 13:45

Tgt Ion: 70 Resp: 64708

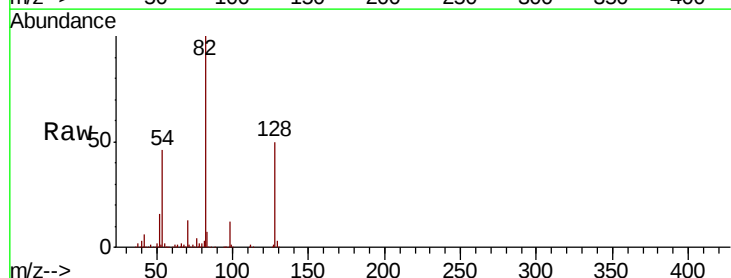
Ion Ratio Lower Upper

70 100

42 44.5 44.0 66.0

101 0.0 7.8 11.6#

130 2.1 18.7 28.1#

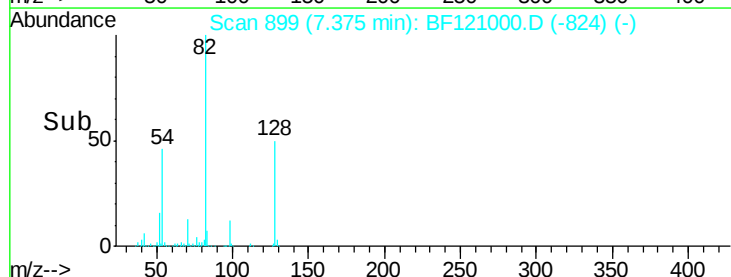
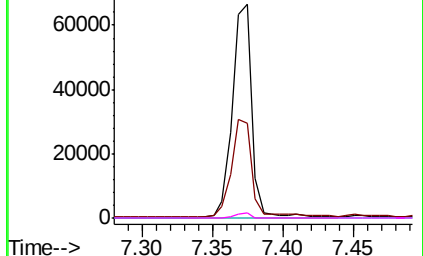


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

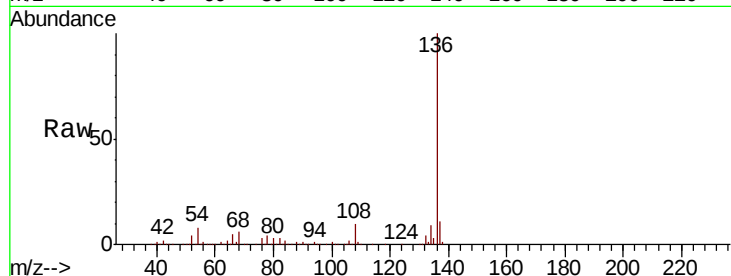




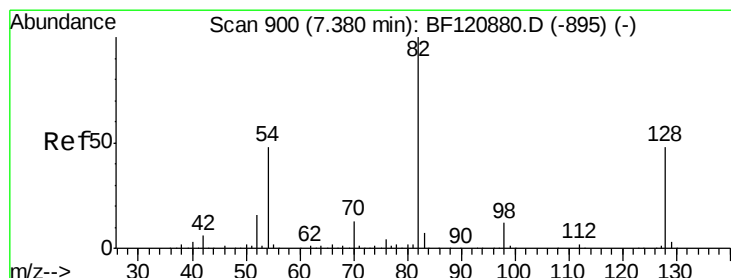
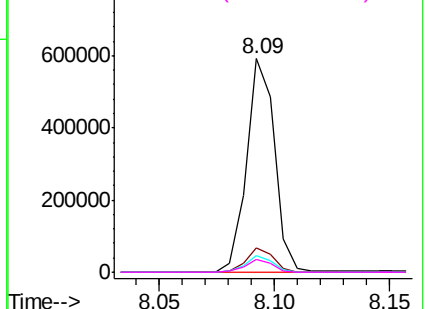
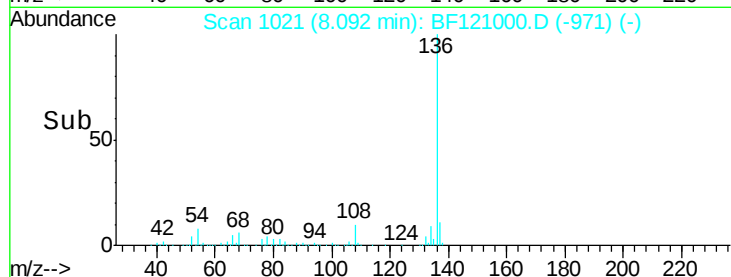
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	506915
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.3 13.9
54	7.8	6.3 9.5
68	6.1	5.0 7.4

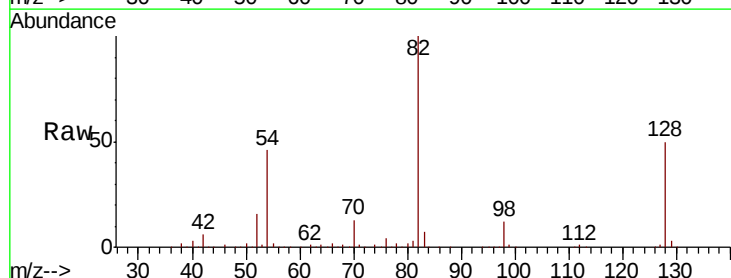


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

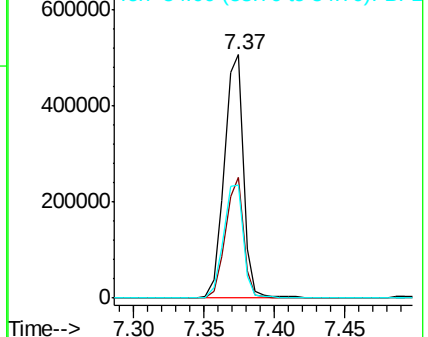
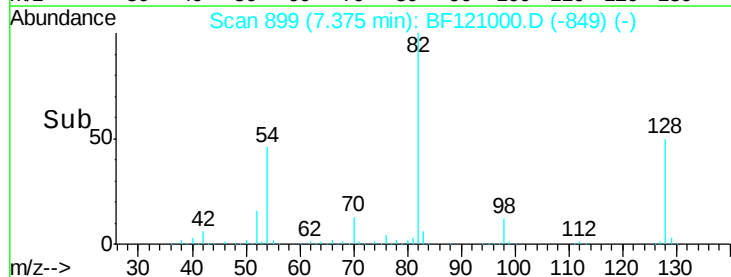


#23
Nitrobenzene-d5
Concen: 54.869 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion: 82	Resp:	480682
Ion Ratio	Lower	Upper
82	100	
128	49.7	38.2 57.4
54	46.3	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

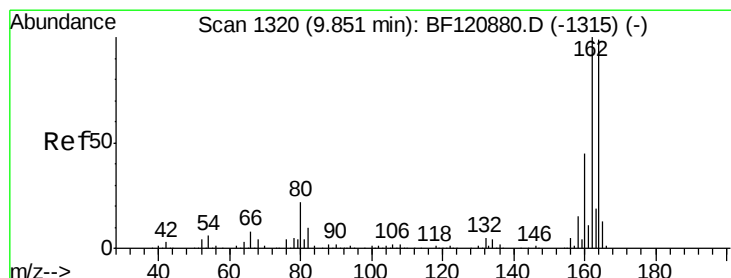
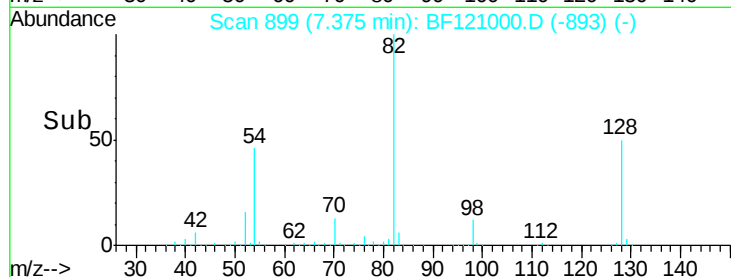
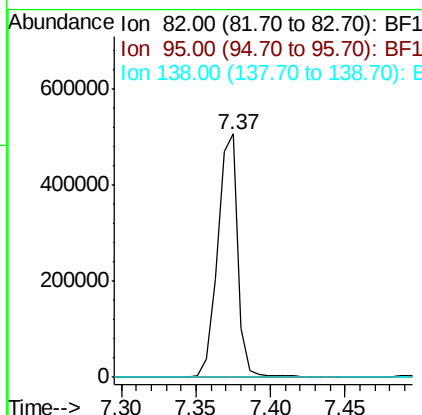
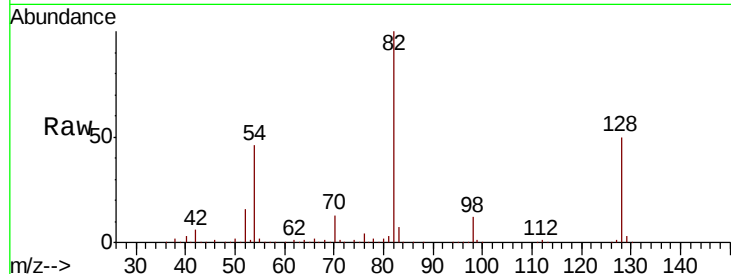




#25
Isophorone
Concen: 27.492 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

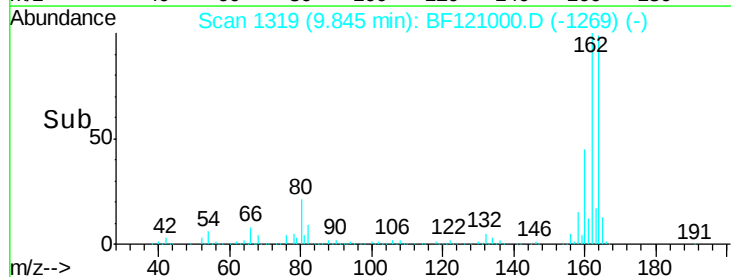
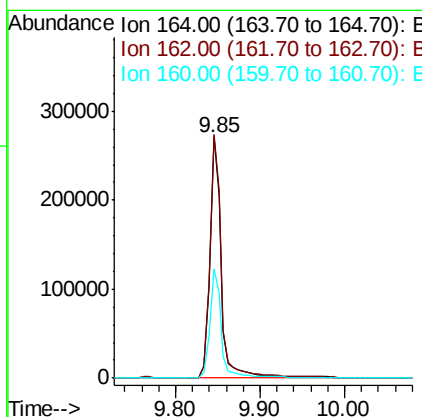
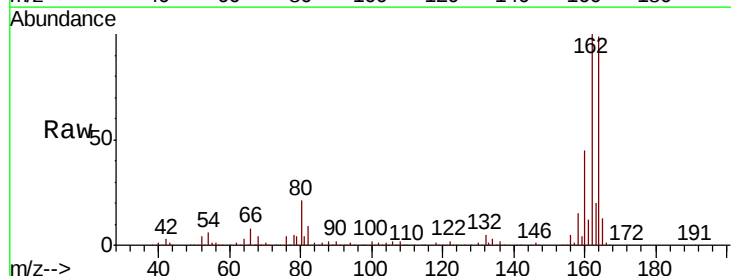
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 480677
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.6 23.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion: 164 Resp: 259920
Ion Ratio Lower Upper
164 100
162 101.1 81.2 121.8
160 45.4 36.9 55.3

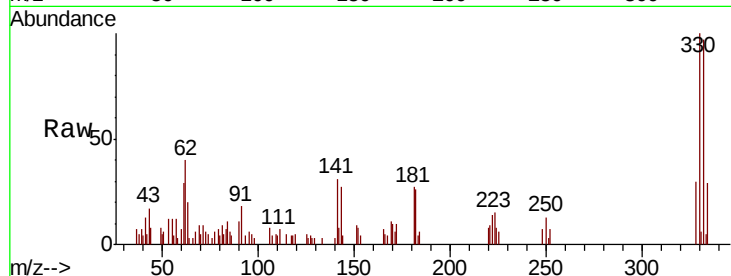




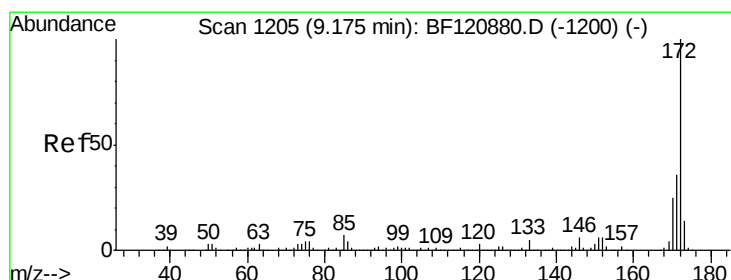
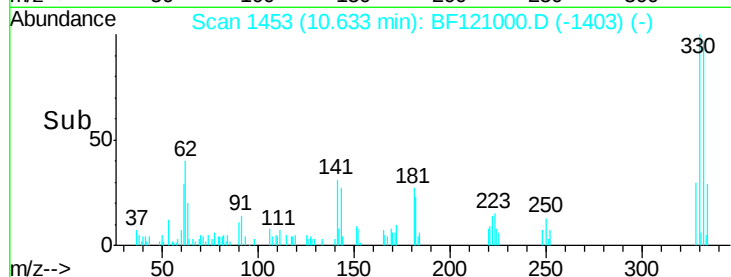
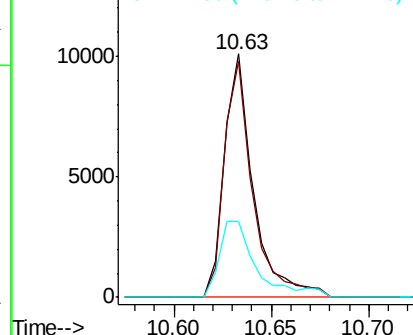
#42
 2,4,6-Tribromophenol
 Concen: 3.662 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.5	113.3
141	40.1	25.7	38.5

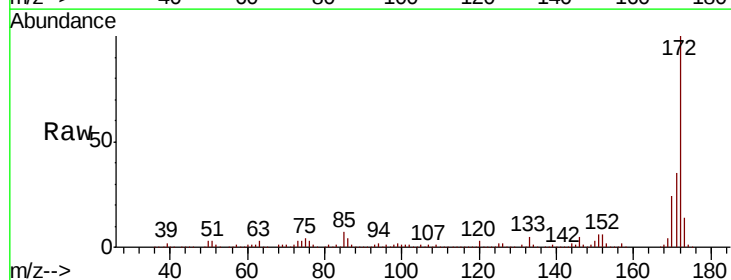


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

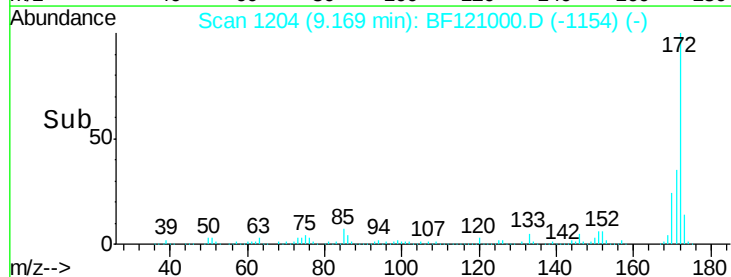
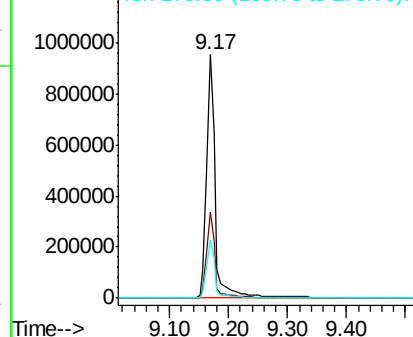


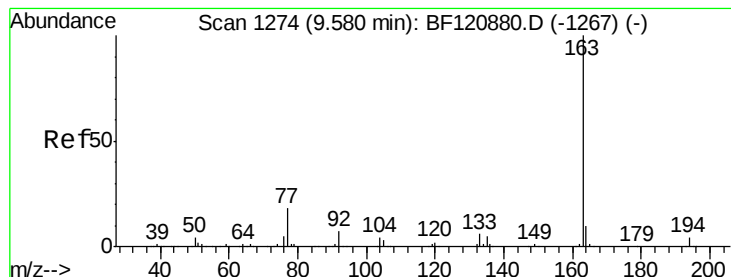
#45
 2-Fluorobiphenyl
 Concen: 55.839 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	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: 5.146 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121000.D

Acq: 24 Jul 2020 13:45

Instrument :

BNA_F

ClientSampleId :

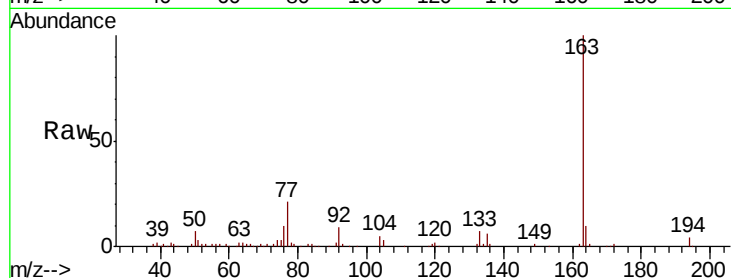
Tot Ion:163 Resp: 96487

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

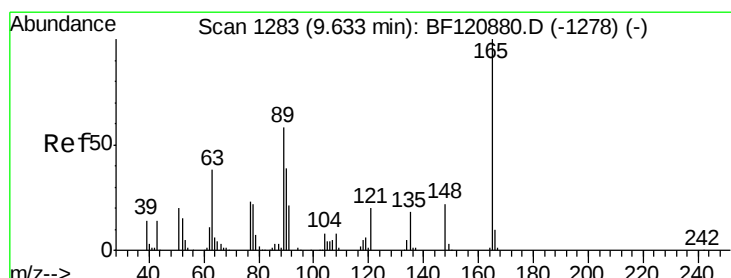
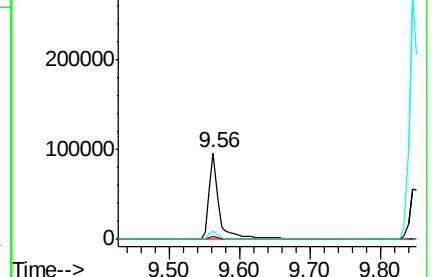
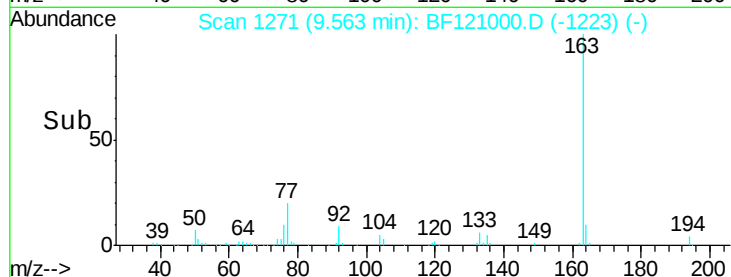
164 9.8 7.9 11.9



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



#51

2,6-Dinitrotoluene

Concen: 8.393 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF121000.D

Acq: 24 Jul 2020 13:45

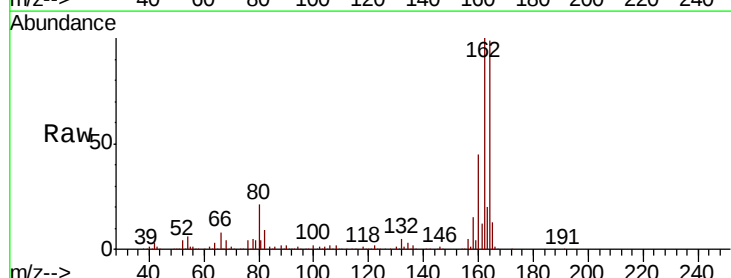
Tgt Ion:165 Resp: 33811

Ion Ratio Lower Upper

165 100

63 1.4 45.4 68.2#

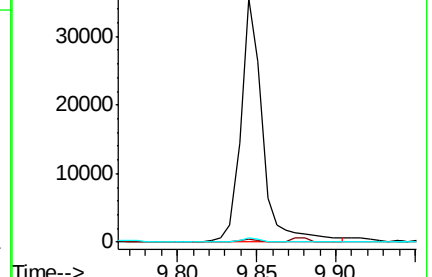
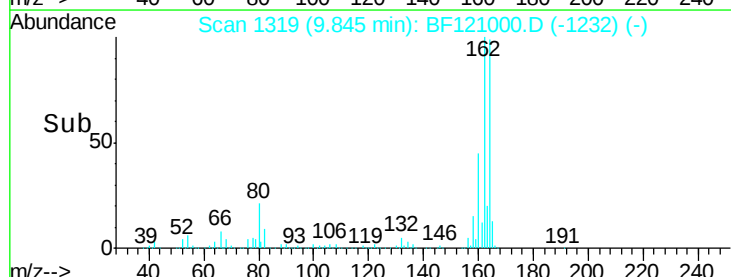
89 1.5 47.0 70.4#

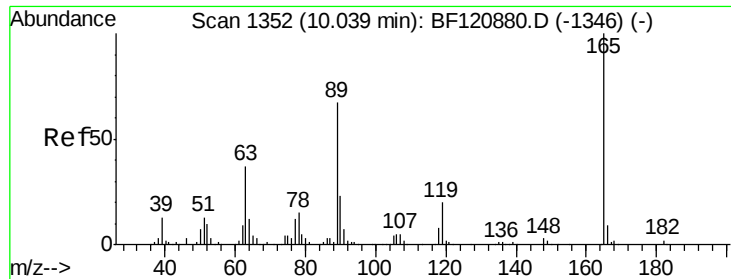


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

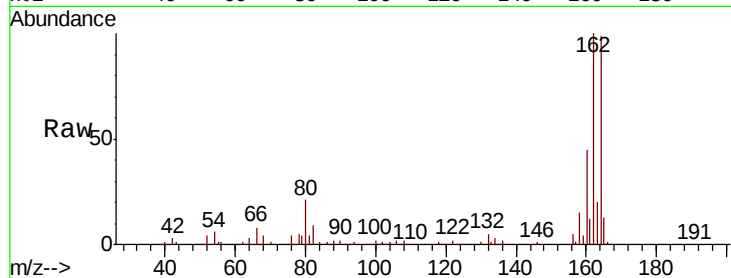




#57
 2,4-Dinitrotoluene
 Concen: 6.513 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	29.4	44.2#
89	1.5	53.4	80.0#
182	0.0	1.8	2.6#

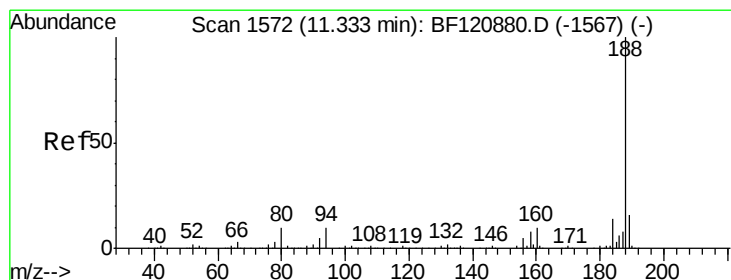
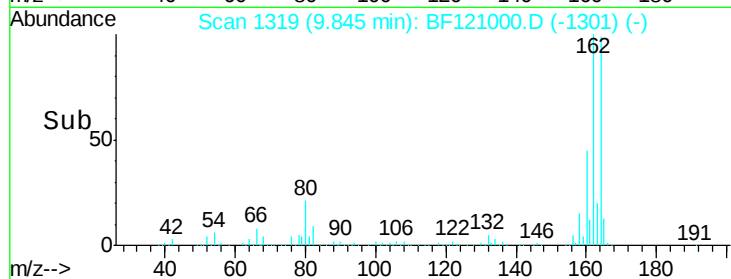
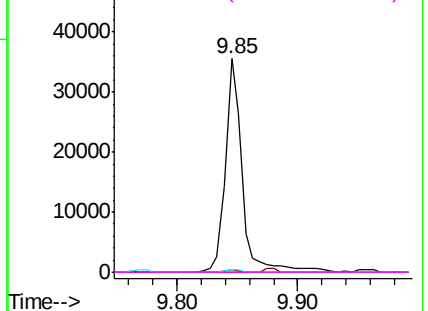


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

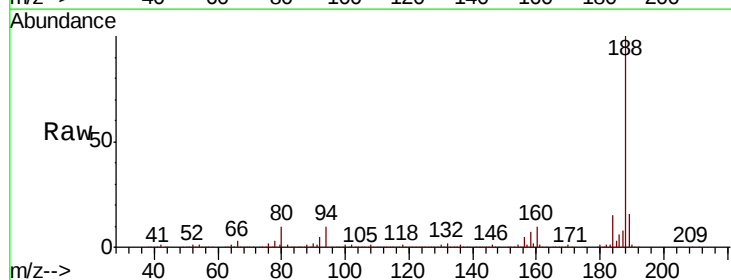
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

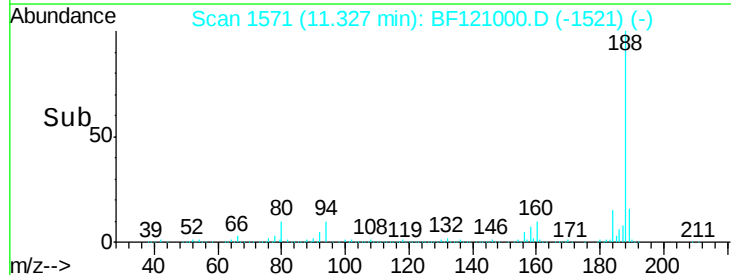
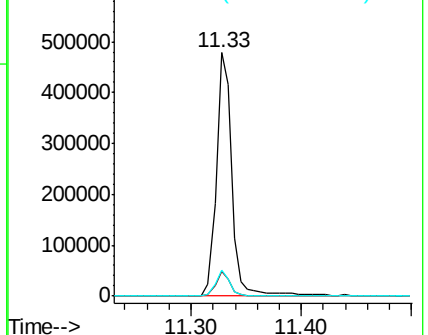
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	10.4	8.3	12.5

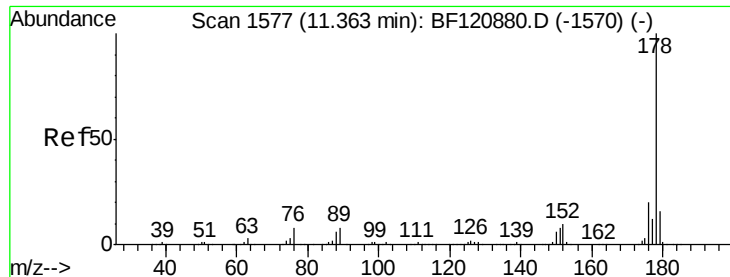


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

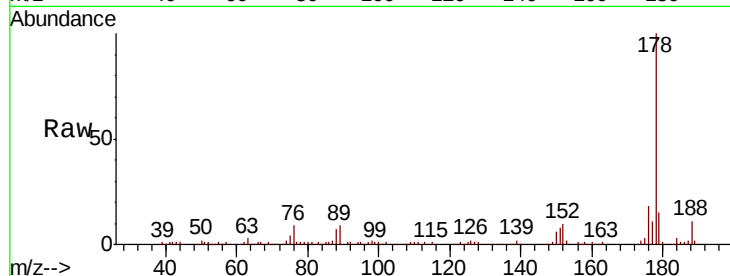




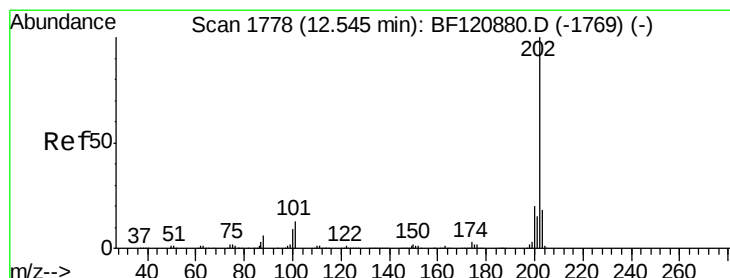
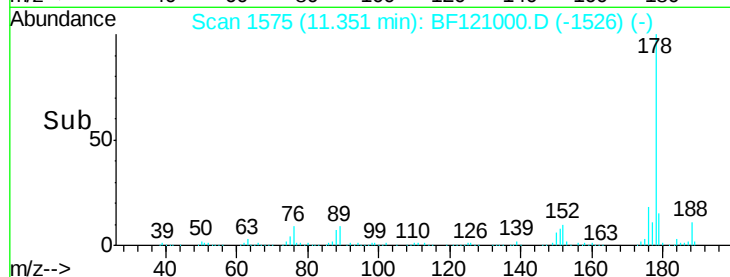
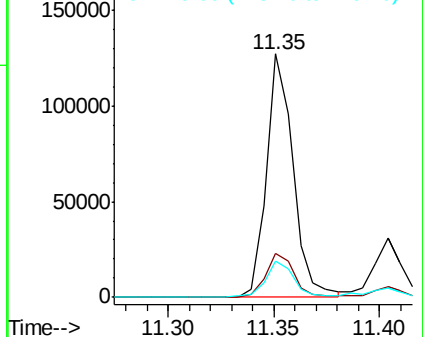
#71
Phenanthrene
Concen: 4.656 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 112053
Ion Ratio Lower Upper
178 100
176 18.2 16.2 24.4
179 14.9 12.8 19.2

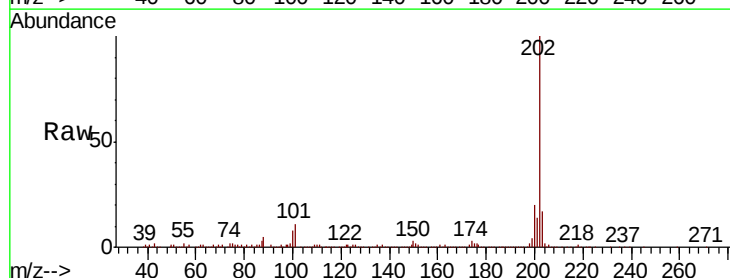


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

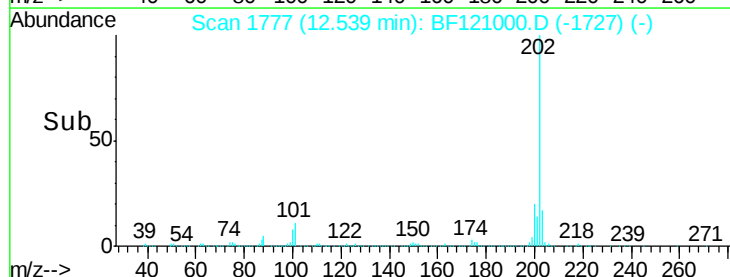
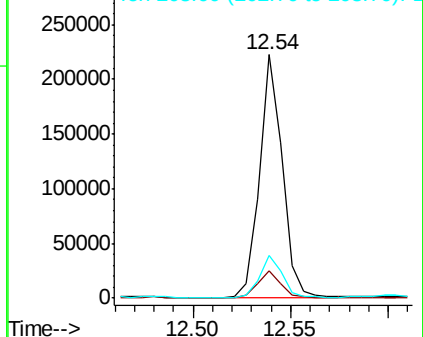


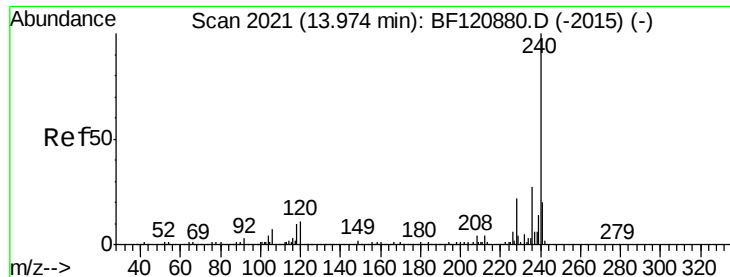
#75
Fluoranthene
Concen: 6.732 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion:202 Resp: 179604
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.7
203 17.3 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

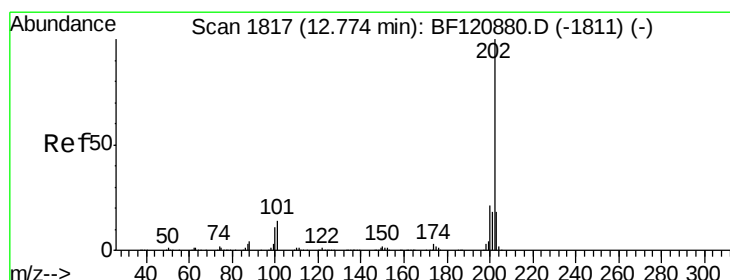
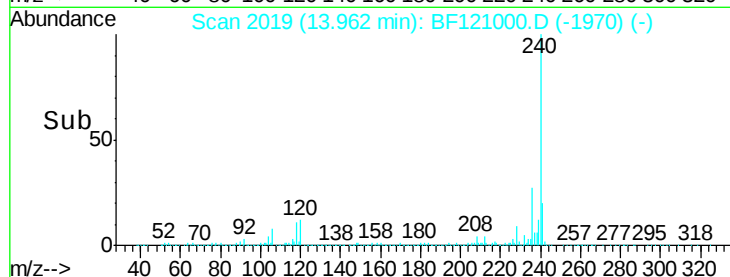
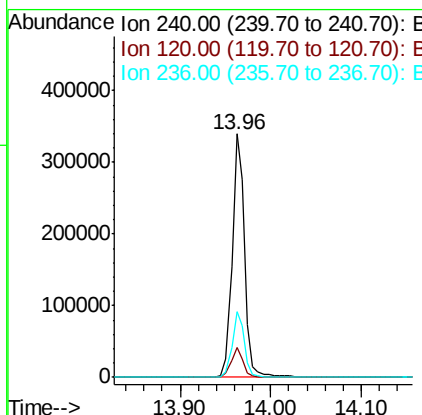
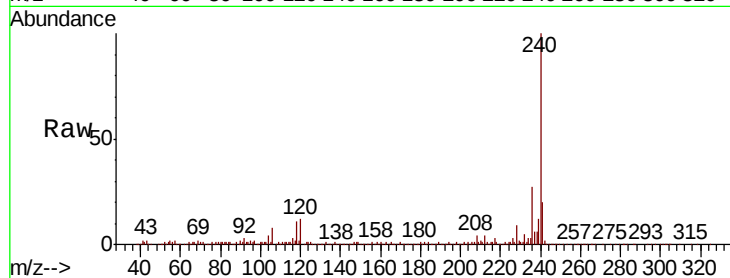




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

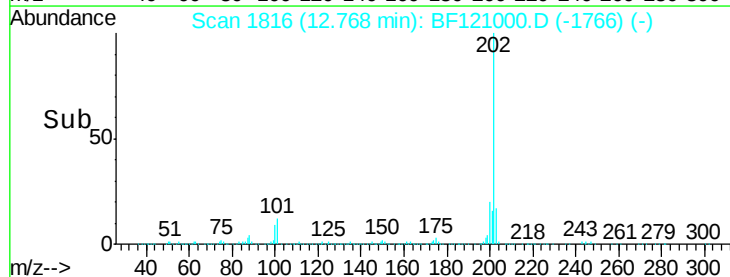
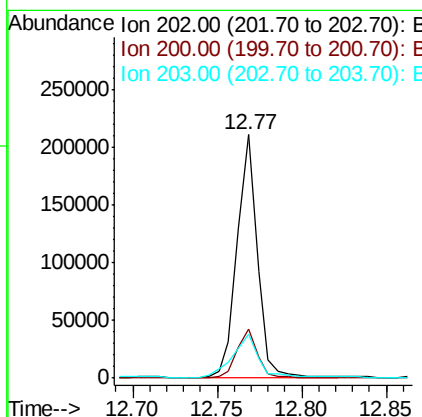
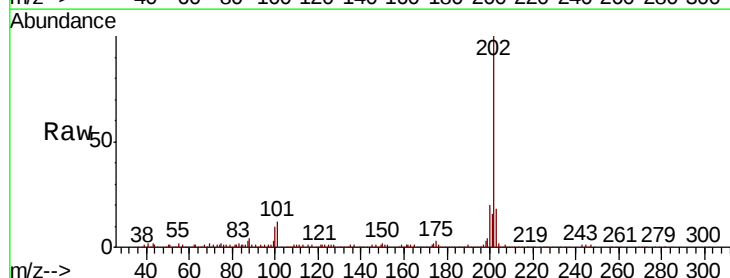
Instrument :
BNA_F
ClientSampleId :

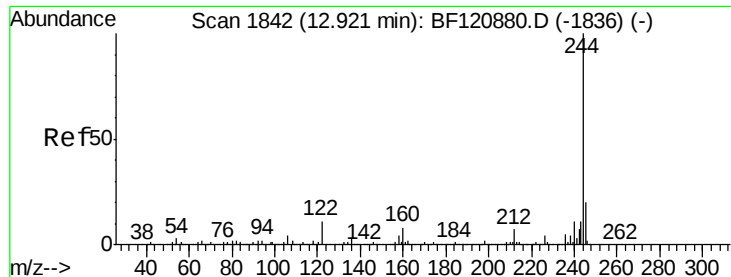
Tot Ion:240 Resp: 325032
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.4
236 26.9 21.7 32.5



#78
Pyrene
Concen: 7.666 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion:202 Resp: 176158
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 54.334 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF121000.D

Acq: 24 Jul 2020 13:45

Instrument :

BNA_F

ClientSampleId :

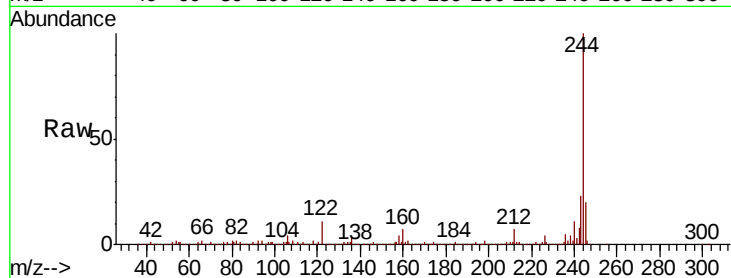
Tot Ion:244 Resp: 812428

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 11.3 8.9 13.3



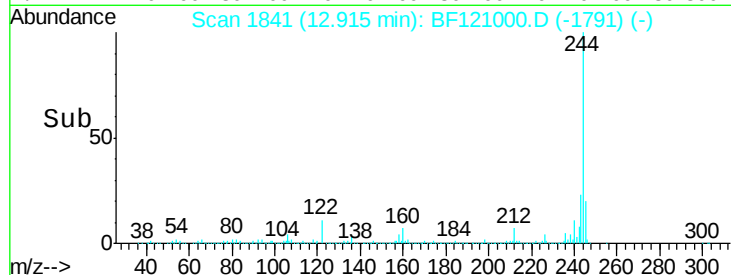
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

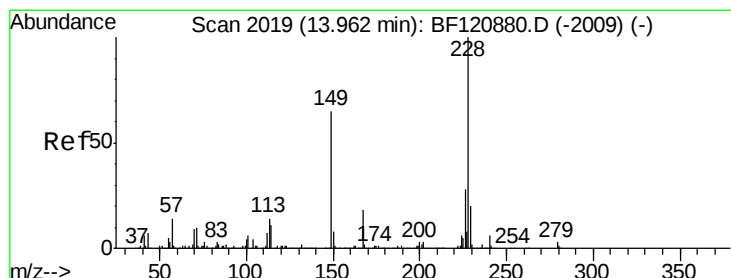
Ion 122.00 (121.70 to 122.70): E

12.92

Time-->



Time-->



#81

Benzo(a)anthracene

Concen: 4.251 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF121000.D

Acq: 24 Jul 2020 13:45

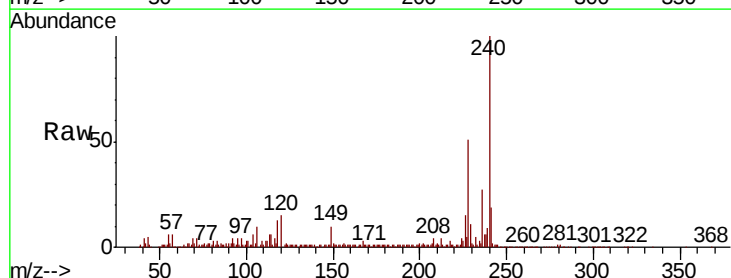
Tgt Ion:228 Resp: 83669

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

229 21.2 16.1 24.1



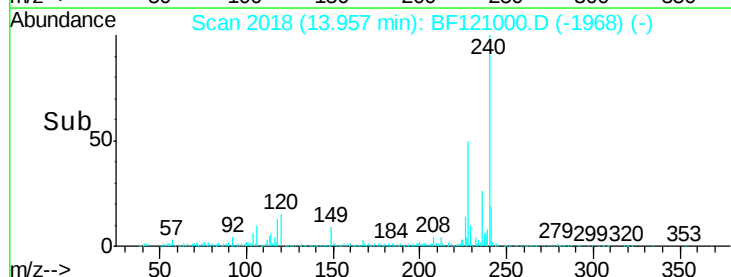
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

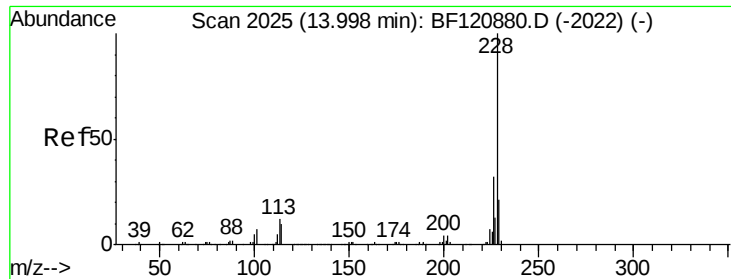
Ion 229.00 (228.70 to 229.70): E

13.96

Time-->



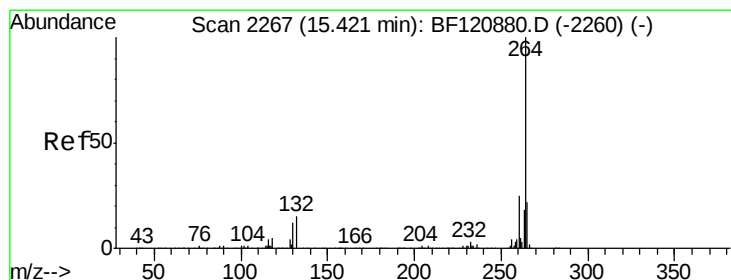
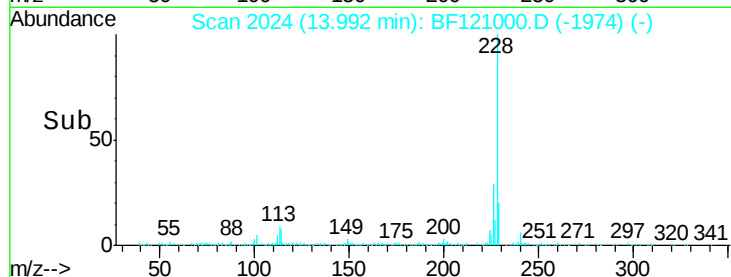
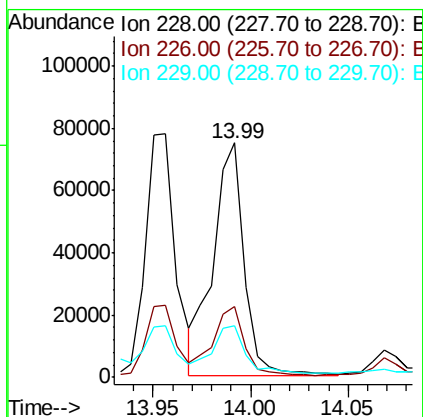
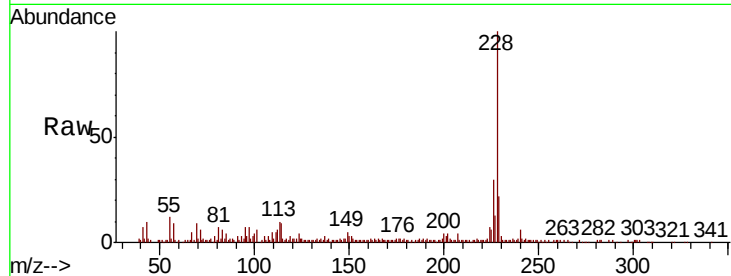
Time-->



#83
Chrysene
Concen: 4.015 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

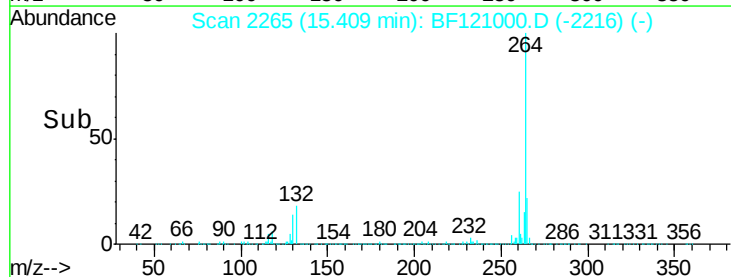
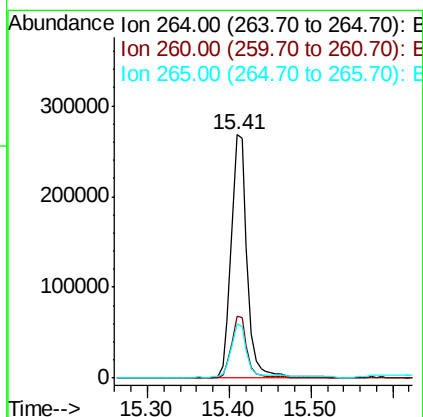
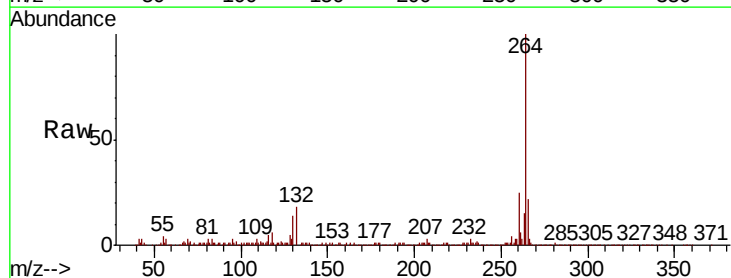
Instrument :
BNA_F
ClientSampleId :

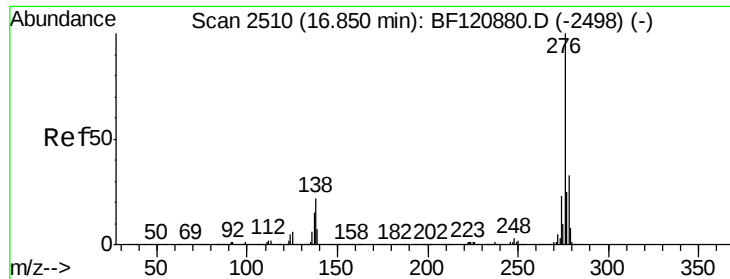
Tot Ion:228 Resp: 83053
Ion Ratio Lower Upper
228 100
226 30.1 25.6 38.4
229 22.1 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion:264 Resp: 364936
Ion Ratio Lower Upper
264 100
260 25.4 20.0 30.0
265 22.4 17.4 26.2

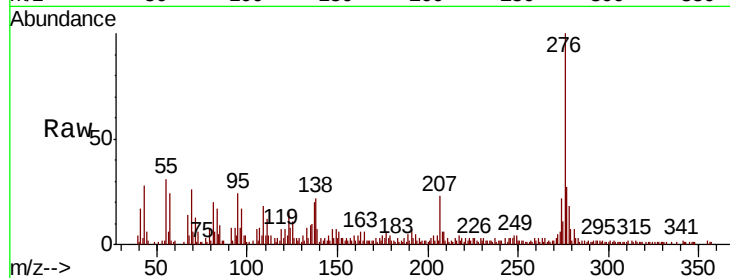




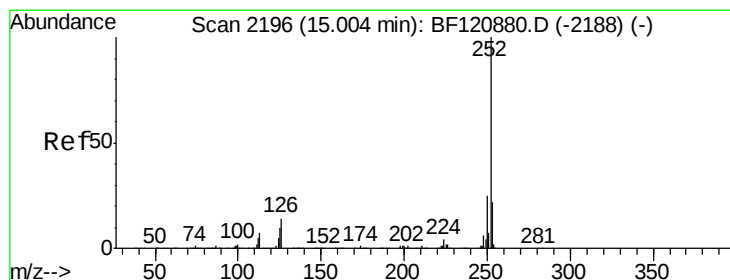
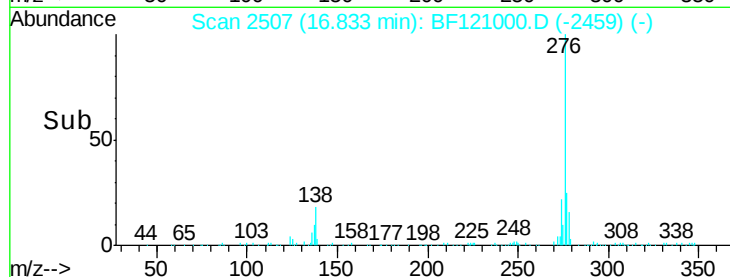
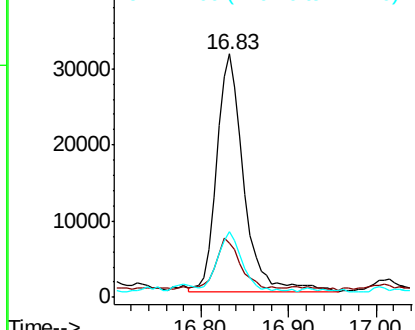
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.623 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. -0.02 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	19.8	29.8#
277	22.8	20.2	30.2

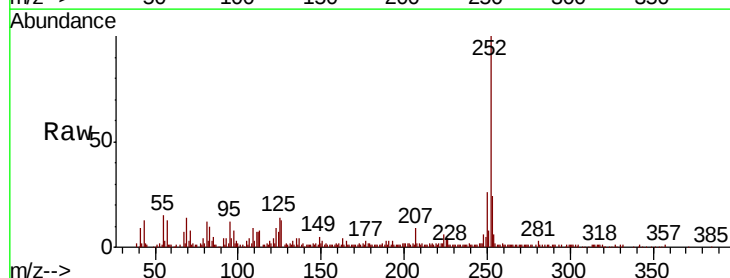


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

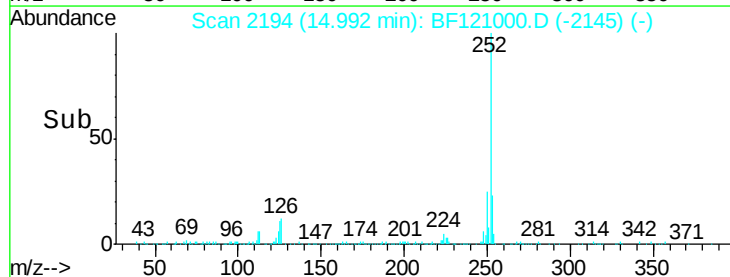
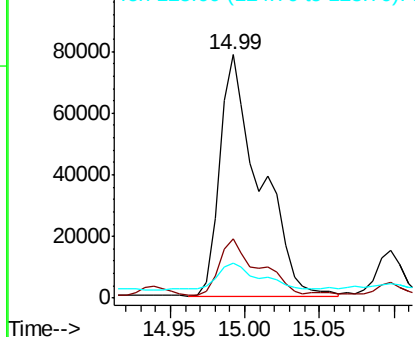


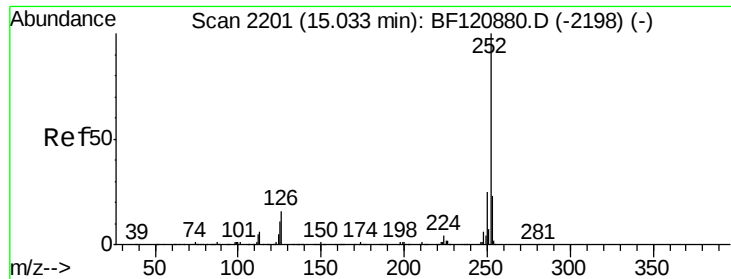
#88
 Benzo(b)fluoranthene
 Concen: 6.614 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.3	8.3	12.5#



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

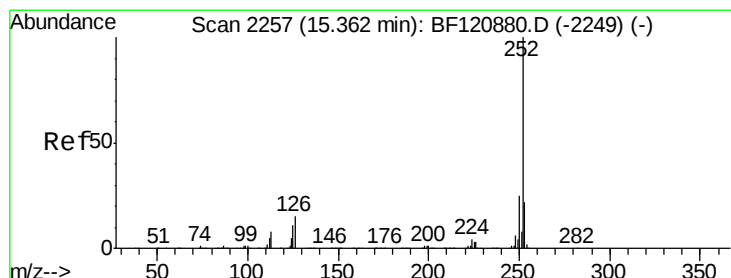
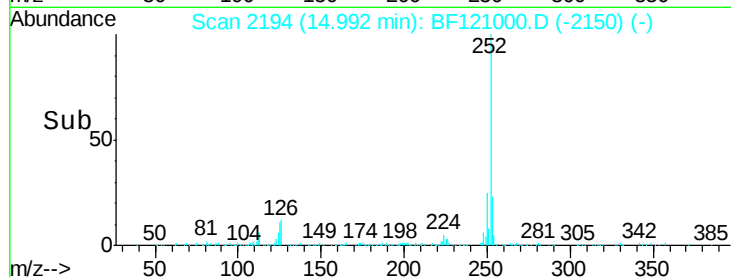
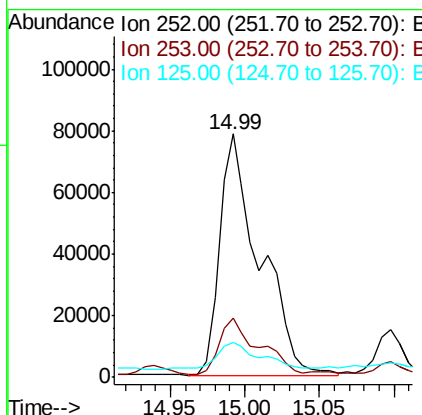
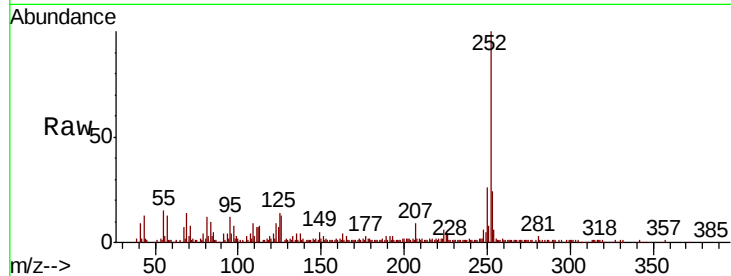




#89
Benzo(k)fluoranthene
Concen: 7.252 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

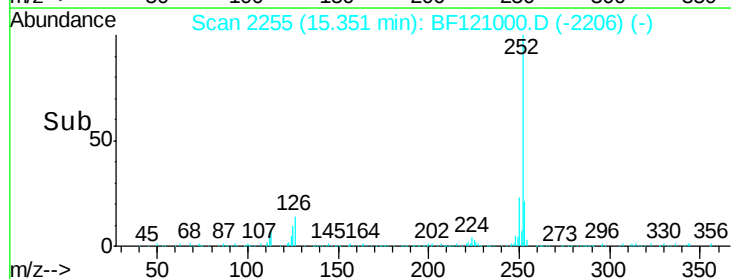
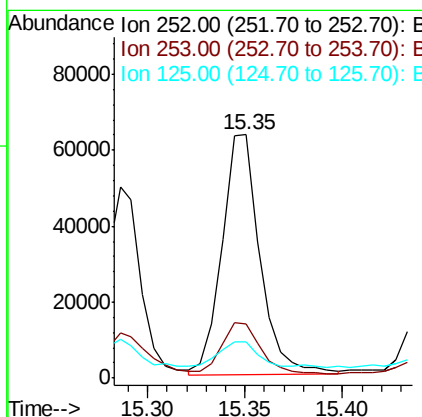
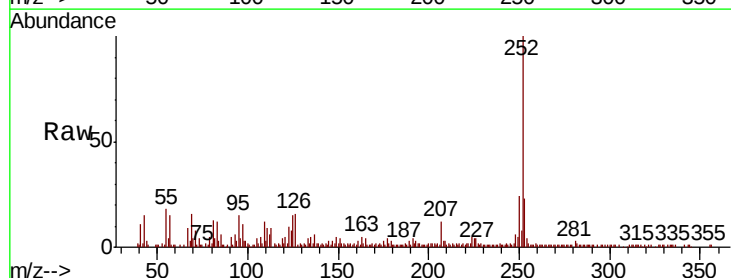
Instrument :
BNA_F
ClientSampled :

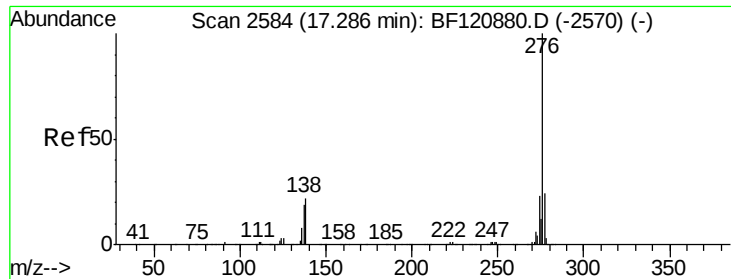
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	14.3	8.4	12.6



#90
Benzo(a)pyrene
Concen: 4.255 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF121000.D
Acq: 24 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	15.1	8.9	13.3

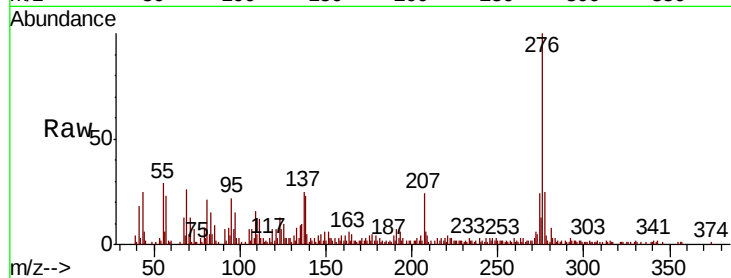




#92
 Benzo(a,h,i)perylene
 Concen: 3.300 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.02 min
 Lab File: BF121000.D
 Acq: 24 Jul 2020 13:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	23.0	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

