

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121388.D
 Acq On : 22 Aug 2020 1:57
 Operator : JU/CG
 Sample : L3729-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 02:55:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	145080	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	537521	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	250407	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	397627	20.00	ng	0.00
76) Chrysene-d12	13.86	240	312090	20.00	ng	0.01
86) Perylene-d12	15.27	264	338817	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	750244	84.79	ng	0.01
7) Phenol-d6	6.35	99	882563	78.14	ng	0.00
23) Nitrobenzene-d5	7.26	82	575254	60.53	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	201713	69.13	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1002445	75.39	ng	0.00
79) Terphenyl-d14	12.80	244	772522	48.37	ng	0.00

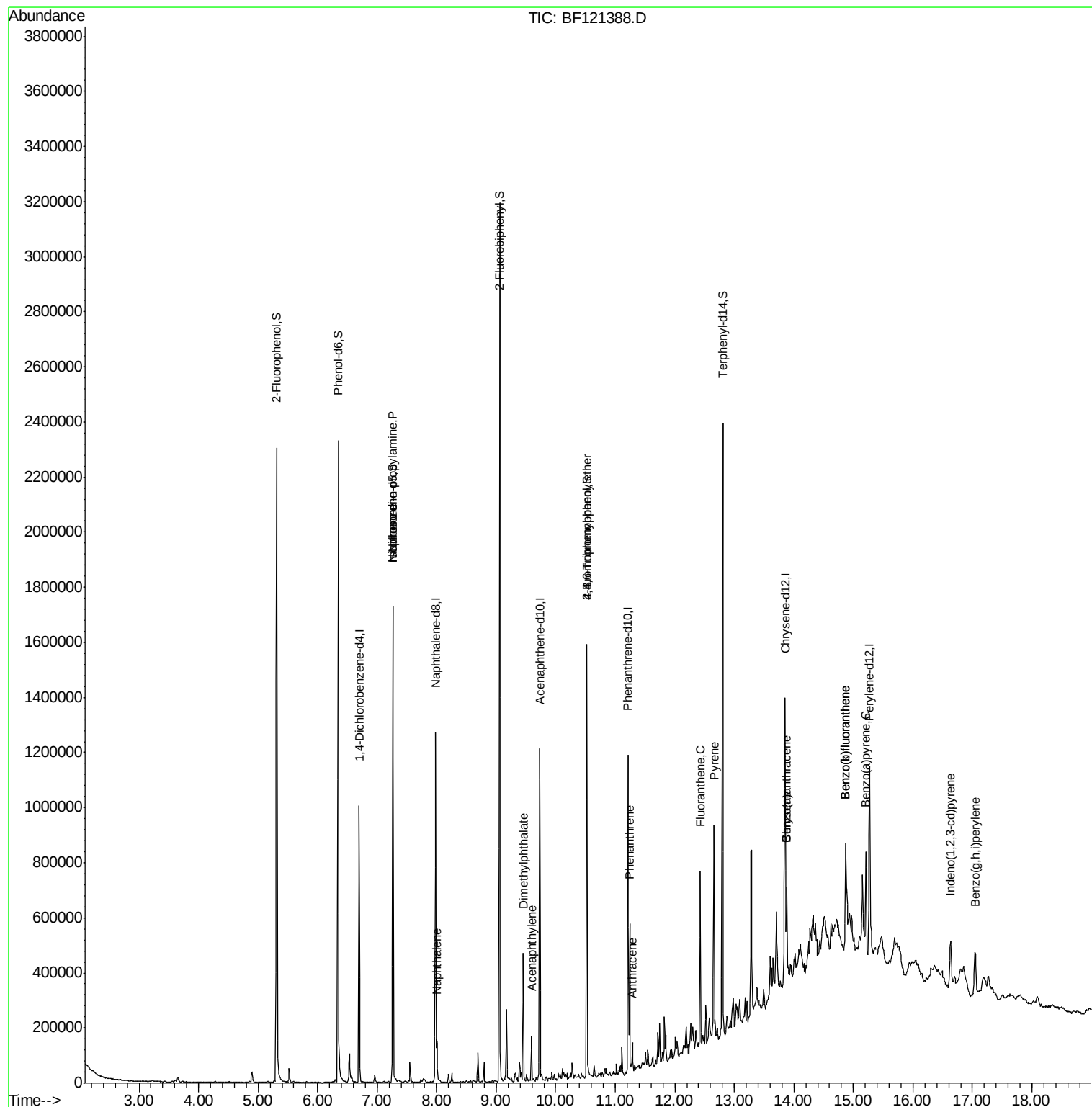
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	76252	12.553	ng	# 79
20) 3+4-Methylphenols	7.15	107	116	Below	Cal	# 11
25) Isophorone	7.26	82	570355	32.976	ng	# 65
31) Naphthalene	8.00	128	63864	2.387	ng	98
49) Acenaphthylene	9.59	152	59170	2.576	ng	99
50) Dimethylphthalate	9.45	163	164750	9.043	ng	99
55) Dibenzofuran	9.93	168	4699	Below	Cal	# 83
58) Fluorene	10.28	166	17045	Below	Cal	97
67) 4-Bromophenyl-phenylether	10.52	248	11522	2.612	ng	# 1
71) Phenanthrene	11.24	178	175720	8.539	ng	98
72) Anthracene	11.29	178	39687	2.003	ng	99
75) Fluoranthene	12.43	202	230501	10.319	ng	99
78) Pvrene	12.66	202	315173	13.444	ng	100
81) Benzo(a)anthracene	13.88	228	140392	7.243	ng	96
83) Chrysene	13.88	228	140392	7.081	ng	99
87) Indeno(1,2,3-cd)pyrene	16.63	276	108065	5.225	ng	95
88) Benzo(b)fluoranthene	14.87	252	250755	11.456	ng	# 96
89) Benzo(k)fluoranthene	14.87	252	250755	13.014	ng	# 96
90) Benzo(a)pvrene	15.21	252	140415	7.424	ng	# 95
92) Benzo(a,h,i)perylene	17.04	276	124603	7.516	ng	98

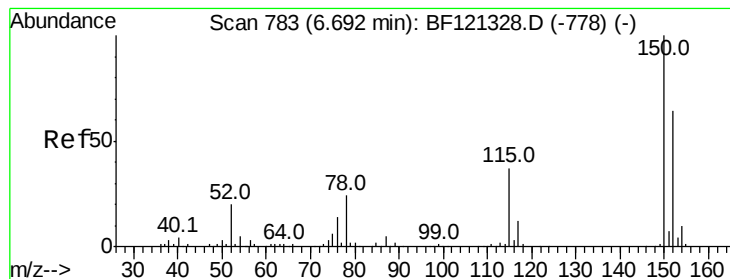
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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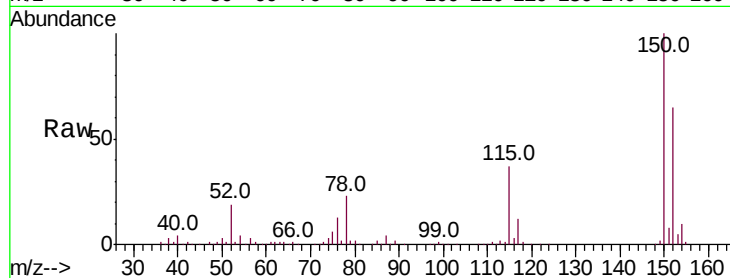


#1

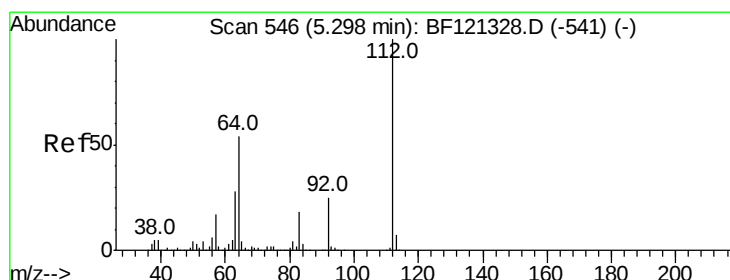
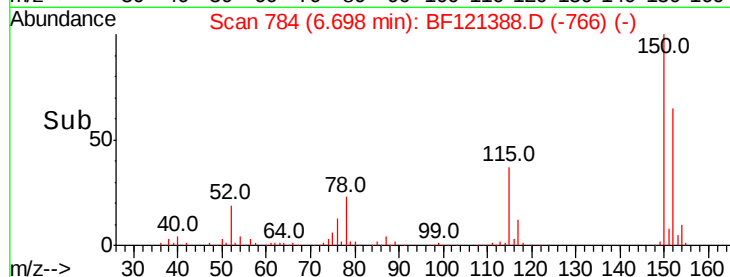
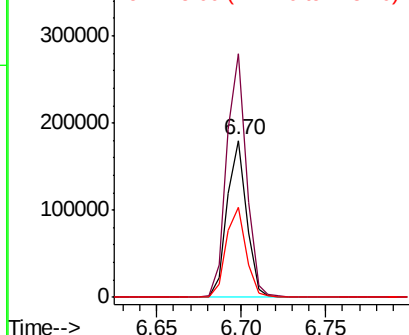
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145080
Ion Ratio Lower Upper
152 100
150 155.0 124.8 187.2
115 56.9 46.1 69.1



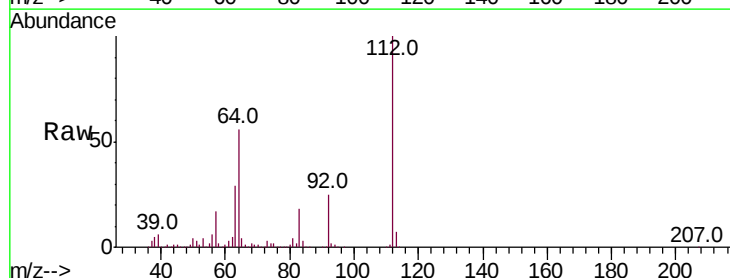
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



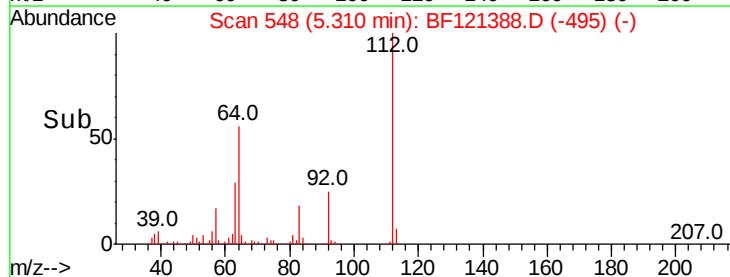
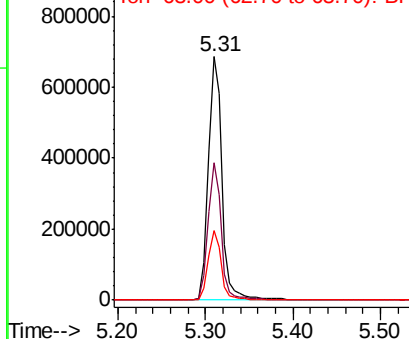
#5

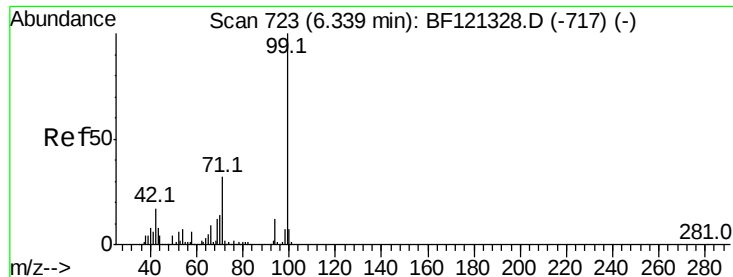
2-Fluorophenol
Concen: 84.795 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion:112 Resp: 750244
Ion Ratio Lower Upper
112 100
64 56.3 43.5 65.3
63 28.6 22.0 33.0



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: 78.138 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

ClientSampled :

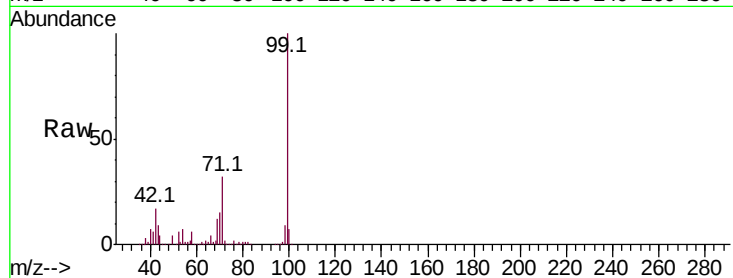
Tot Ion: 99 Resp: 882563

Ion Ratio Lower Upper

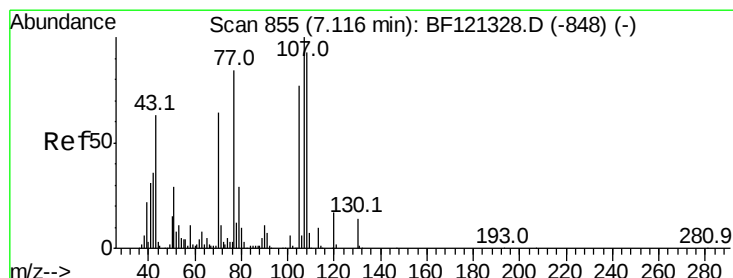
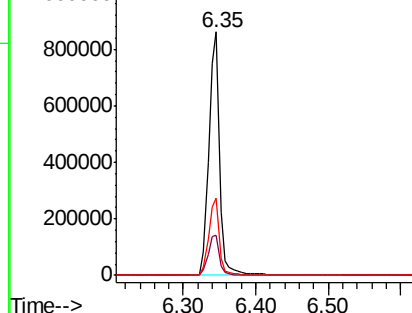
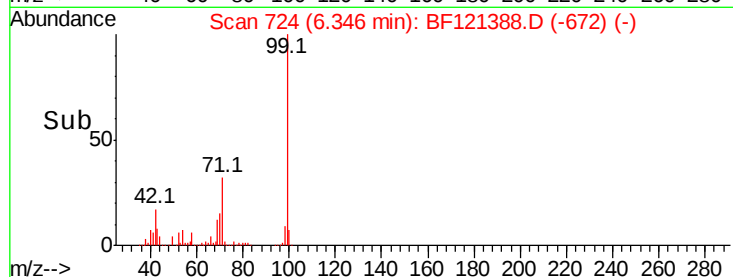
99 100

42 16.7 13.5 20.3

71 31.6 25.2 37.8



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: 12.553 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Tgt Ion: 70 Resp: 76252

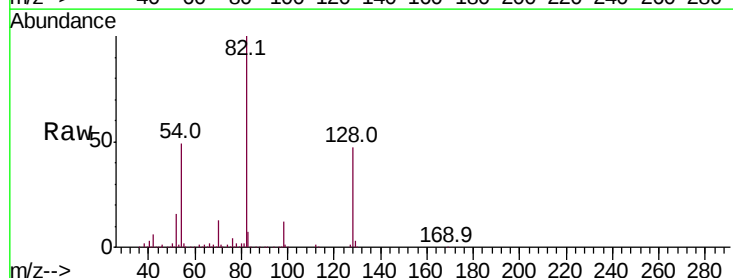
Ion Ratio Lower Upper

70 100

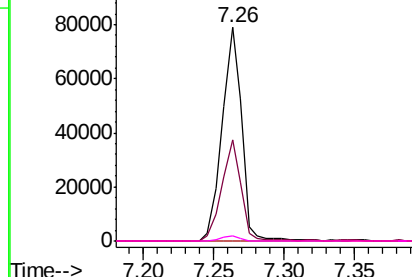
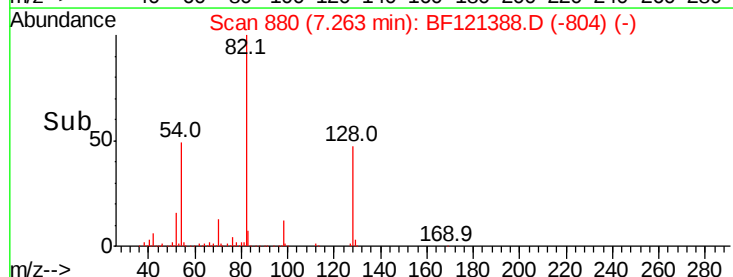
42 47.5 45.2 67.8

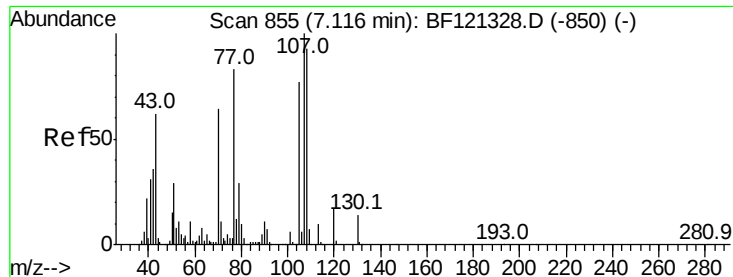
101 0.0 7.7 11.5#

130 2.2 17.6 26.4#



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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.15 min Scan# 860

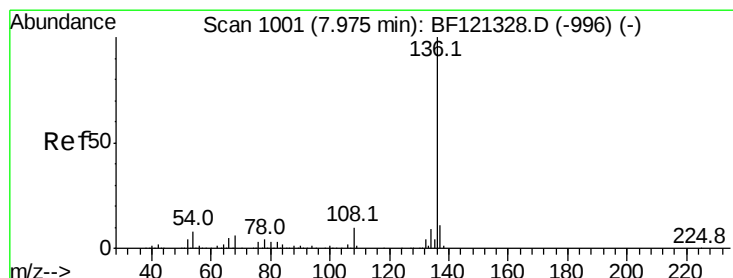
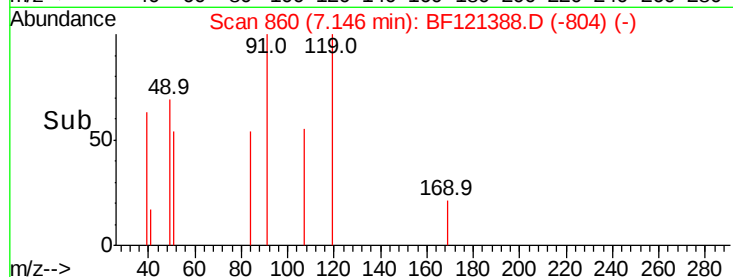
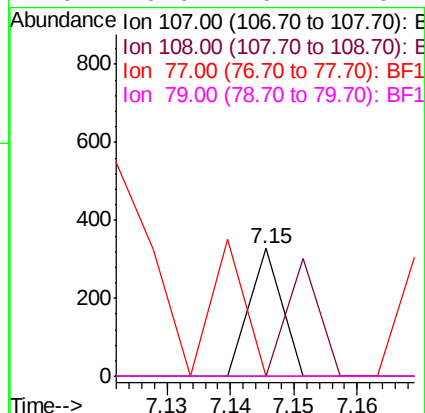
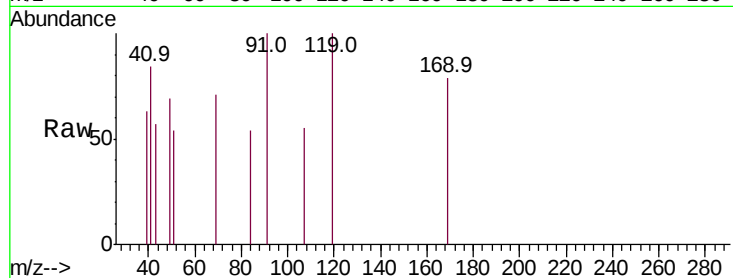
Delta R.T. 0.03 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	116
Ion	Ratio	Lower	Upper
107	100		
108	0.0	72.6	112.6#
77	0.0	63.8	103.8#
79	0.0	9.1	49.1#



#21

Naphthalene-d8

Concen: 20.000 ng

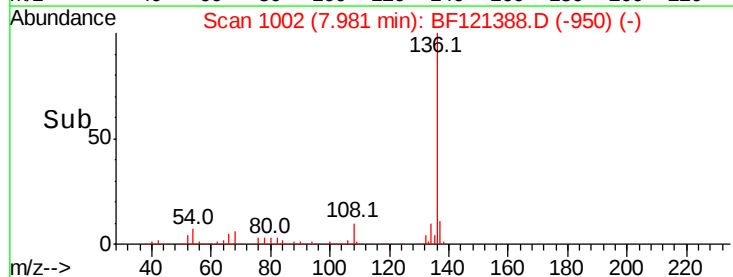
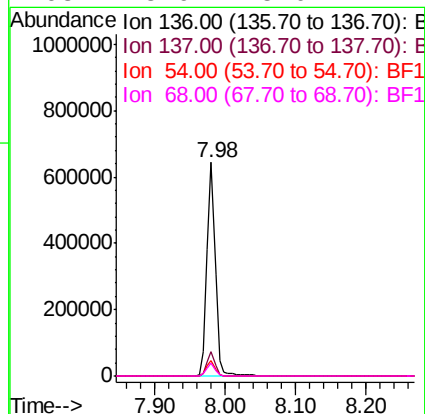
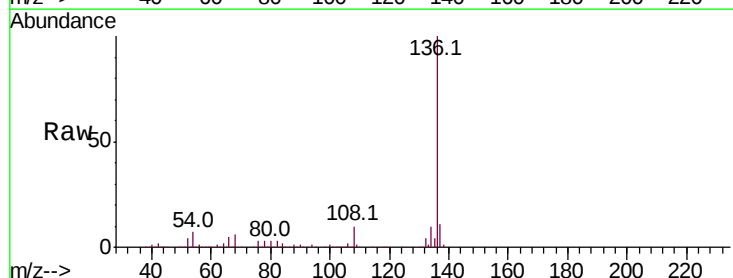
RT: 7.98 min Scan# 1002

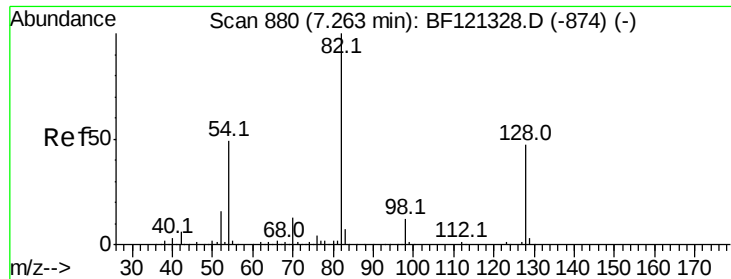
Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Tgt Ion:	136	Resp:	537521
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.1	9.1
68	5.9	5.0	7.4

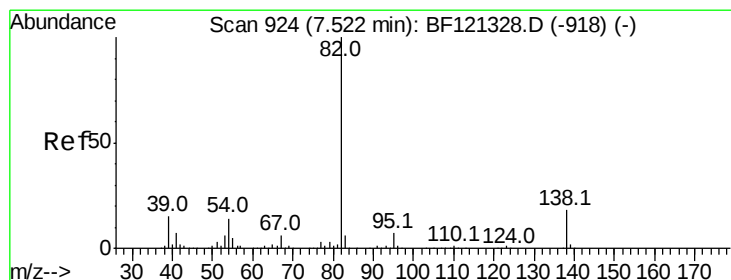
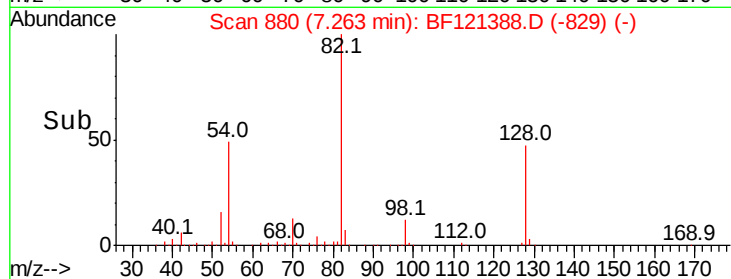
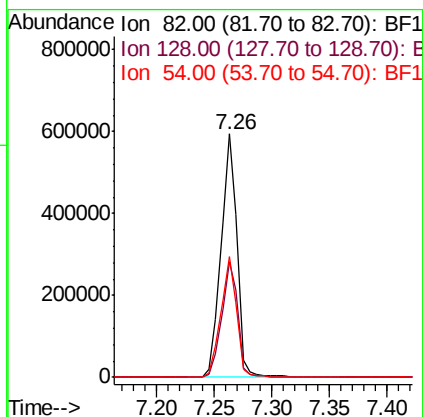
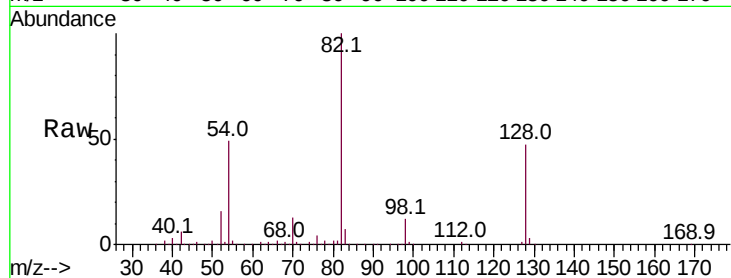




#23
 Nitrobenzene-d5
 Concen: 60.526 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

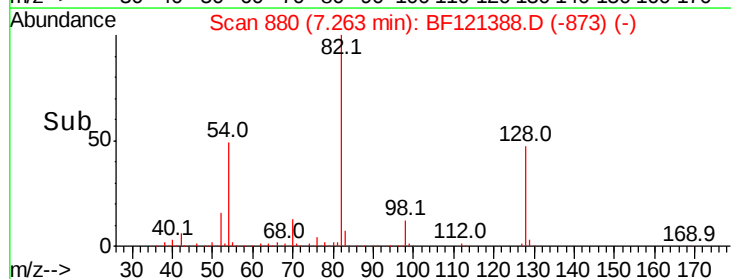
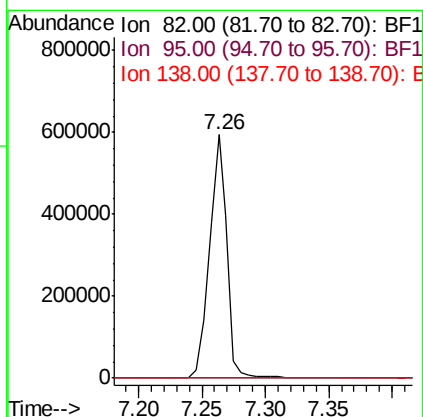
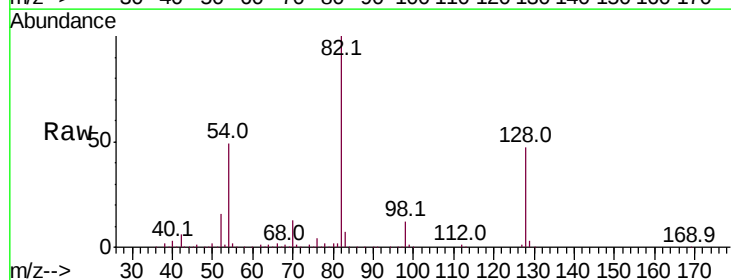
Instrument :
 BNA_F
 ClientSampleId :

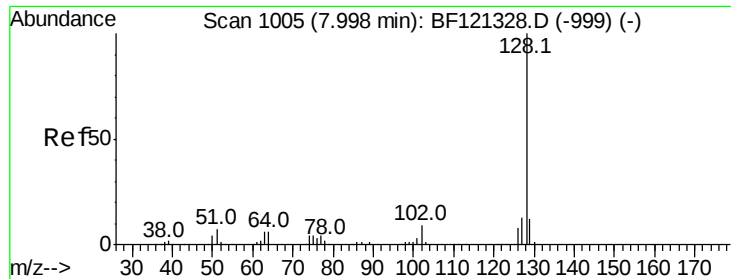
Tot Ion:	82	Resp:	575254
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.9	56.9
54	49.5	39.0	58.4



#25
 Isophorone
 Concen: 32.976 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.26 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Tgt Ion:	82	Resp:	570355
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	14.6	21.8#

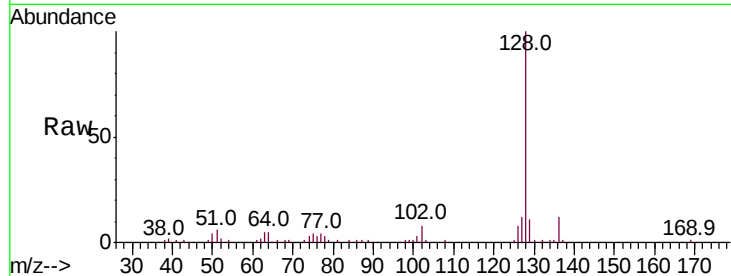




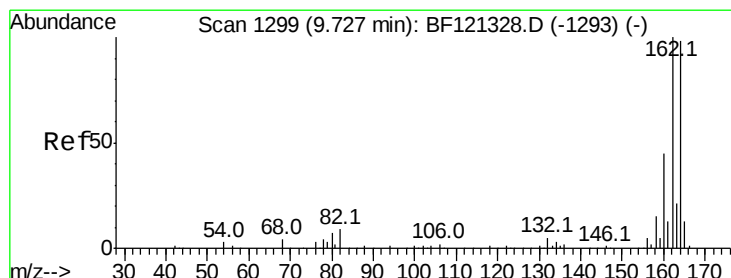
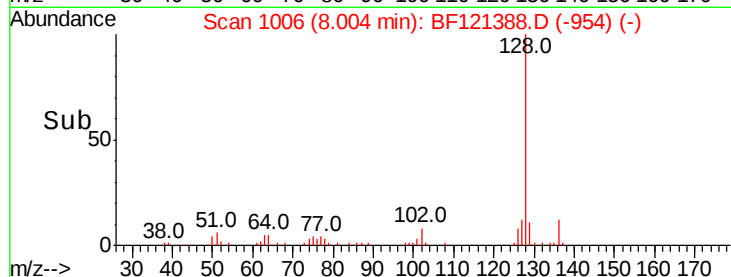
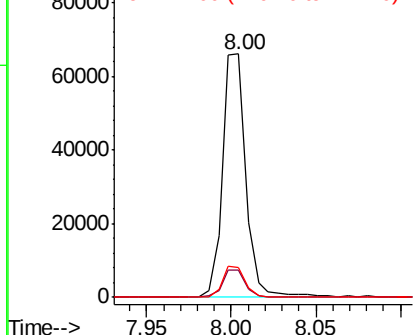
#31
Naphthalene
Concen: 2.387 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 63864
Ion Ratio Lower Upper
128 100
129 11.1 9.3 13.9
127 12.3 10.6 16.0

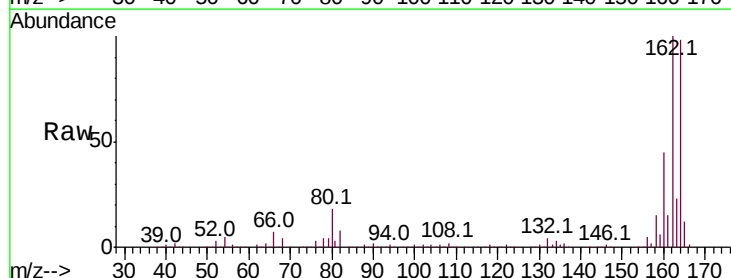


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

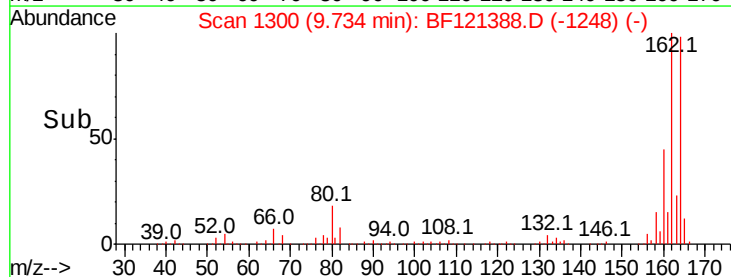
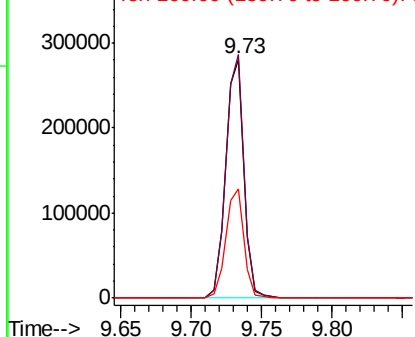


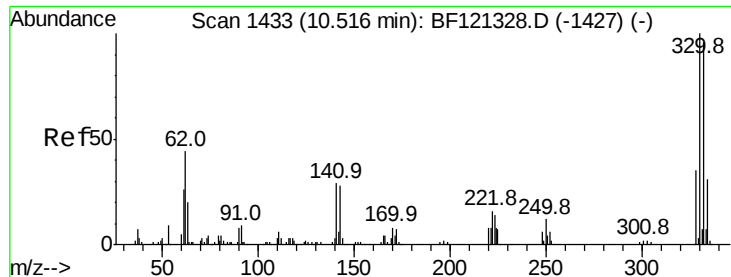
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion:164 Resp: 250407
Ion Ratio Lower Upper
164 100
162 101.9 81.7 122.5
160 45.5 37.0 55.4



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

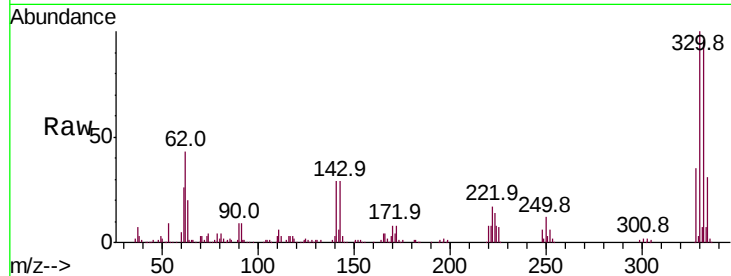




#42
 2,4,6-Tribromophenol
 Concen: 69.126 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	28.2	22.8	34.2

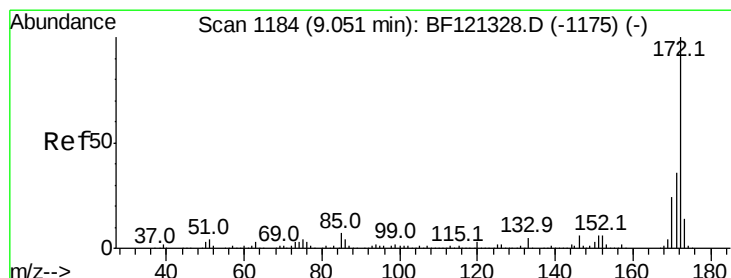
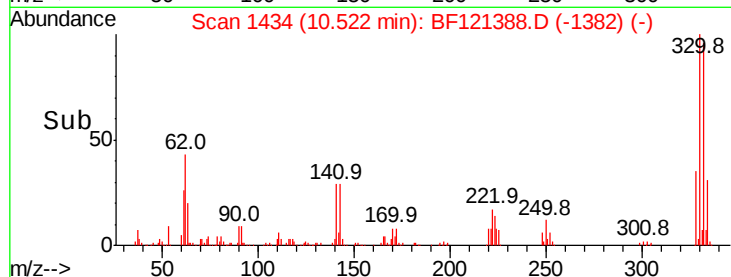
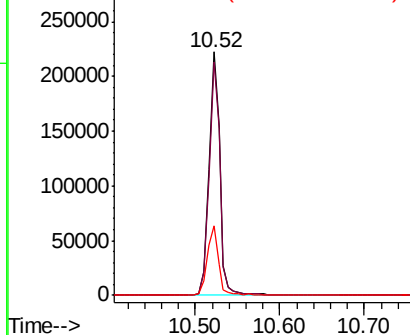


Abundance

Ion 329.80 (329.50 to 330.50): E

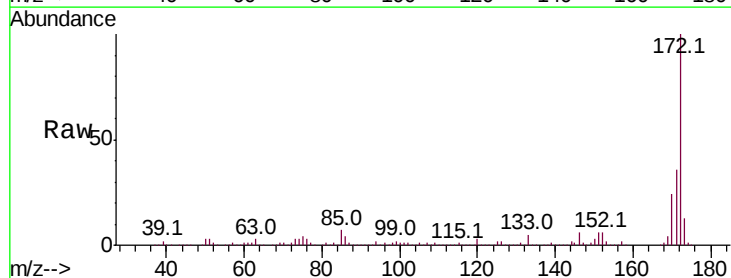
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.389 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF121388.D
 Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.5	19.4	29.2

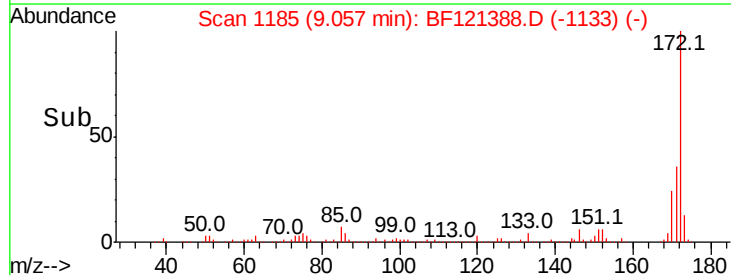
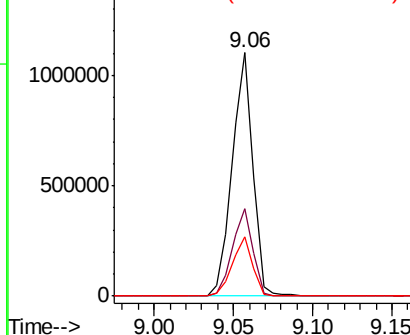


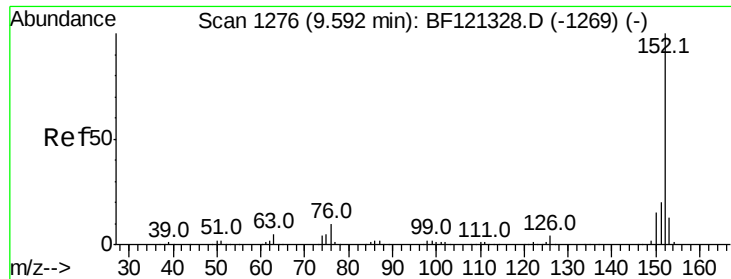
Abundance

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





#49

Acenaphthylene

Concen: 2.576 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

ClientSampleId :

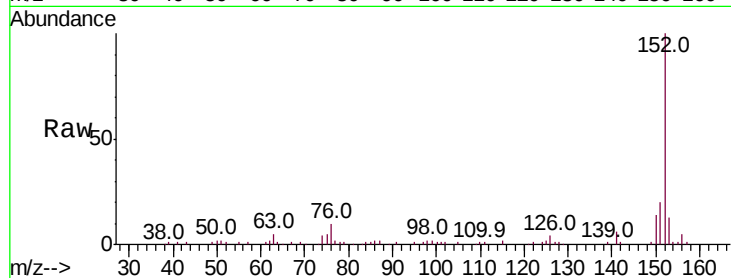
Tot Ion:152 Resp: 59170

Ion Ratio Lower Upper

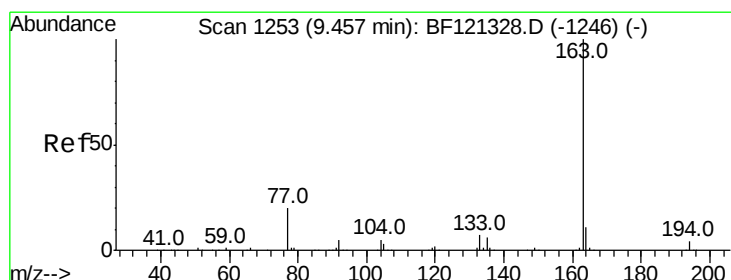
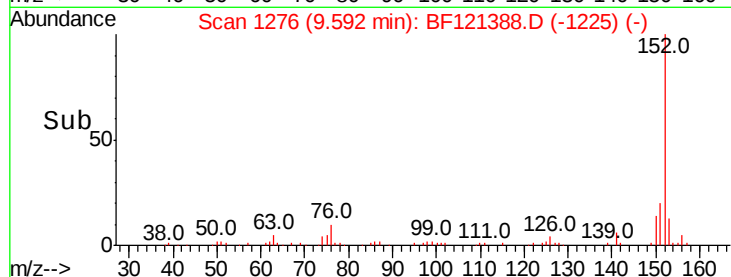
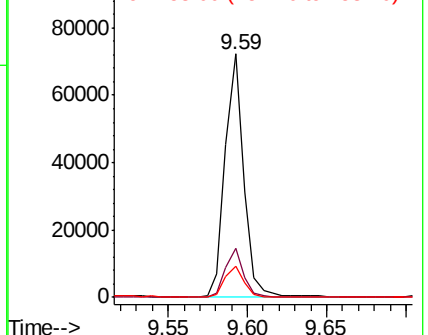
152 100

151 20.3 16.4 24.6

153 12.9 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.043 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

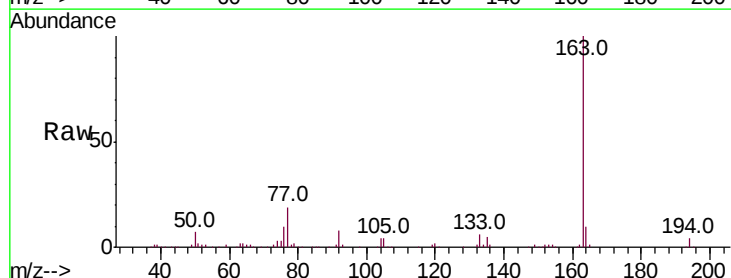
Tgt Ion:163 Resp: 164750

Ion Ratio Lower Upper

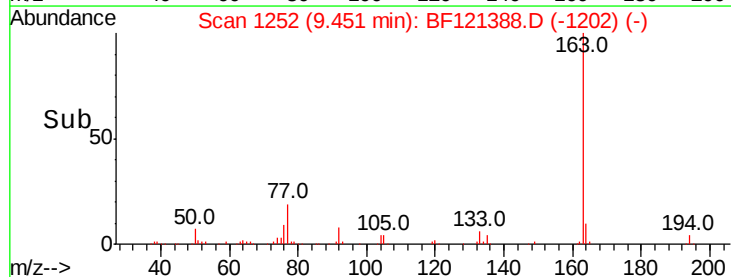
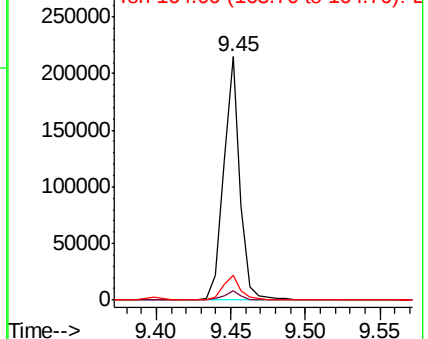
163 100

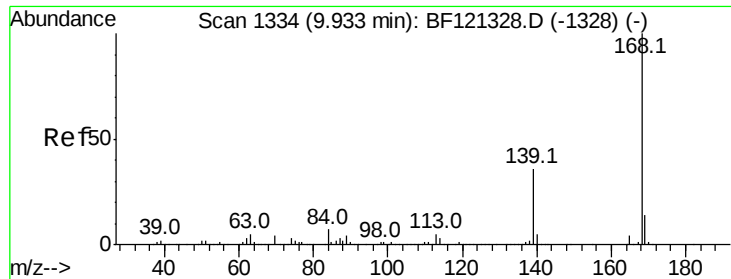
194 3.7 3.0 4.6

164 9.9 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

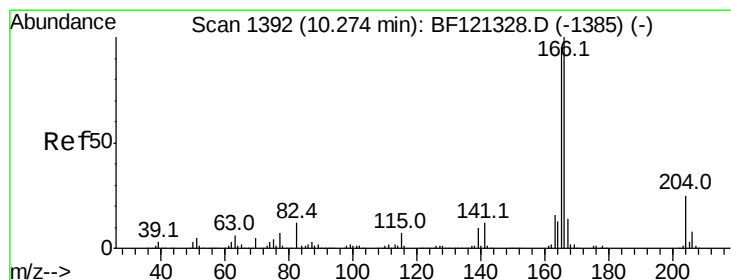
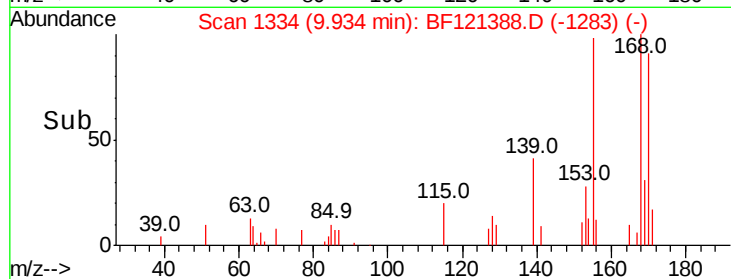
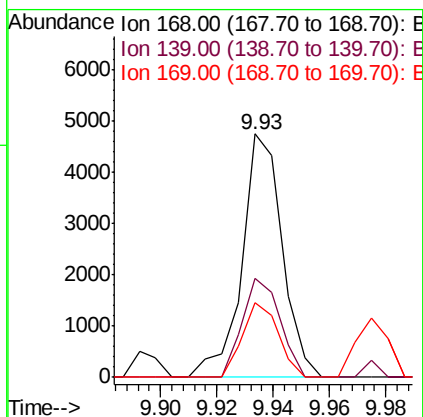
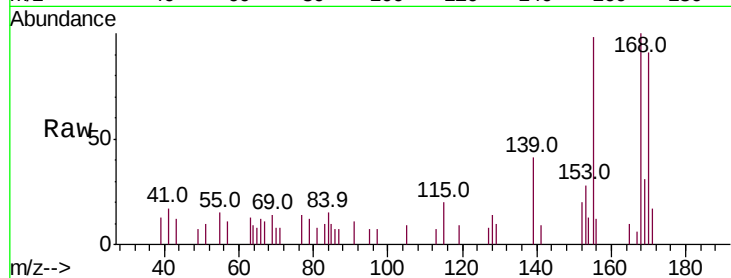




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

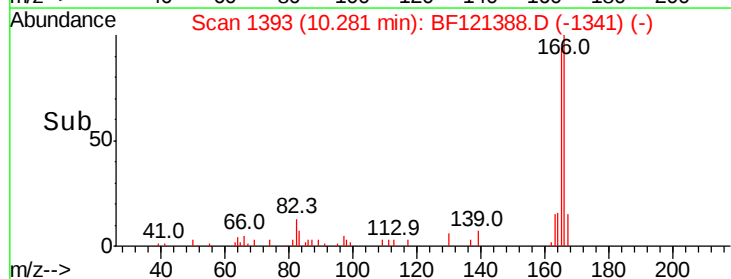
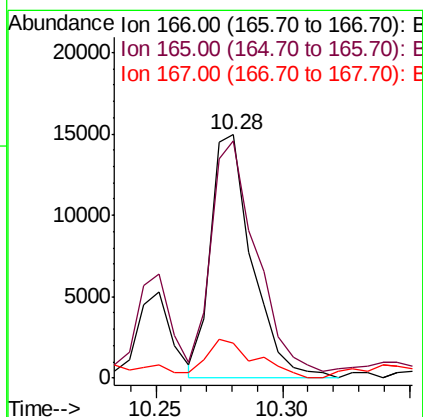
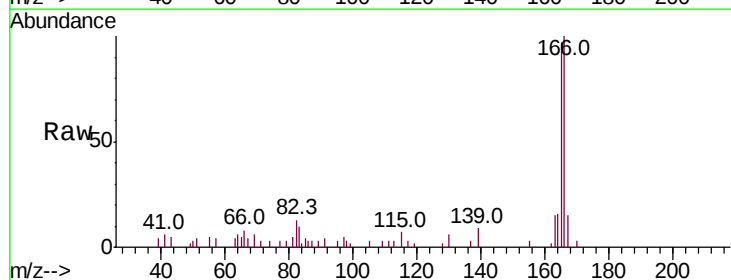
Instrument :
BNA_F
ClientSampleId :

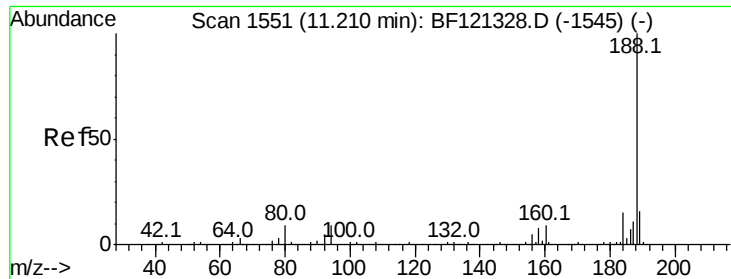
Tot Ion:168 Resp: 4699
Ion Ratio Lower Upper
168 100
139 40.7 29.1 43.7
169 30.5 11.0 16.6#



#58
Fluorene
Concen: Below Cal
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion:166 Resp: 17045
Ion Ratio Lower Upper
166 100
165 97.3 75.8 113.8
167 14.5 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

ClientSampleId :

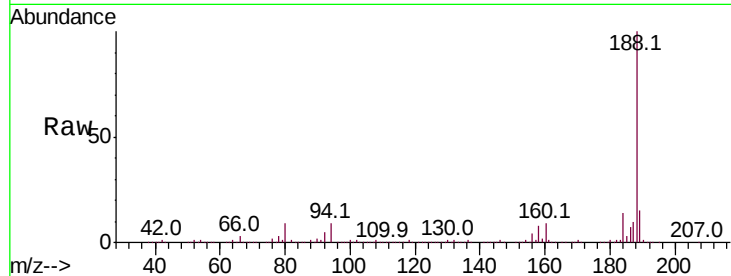
Tot Ion:188 Resp: 397627

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

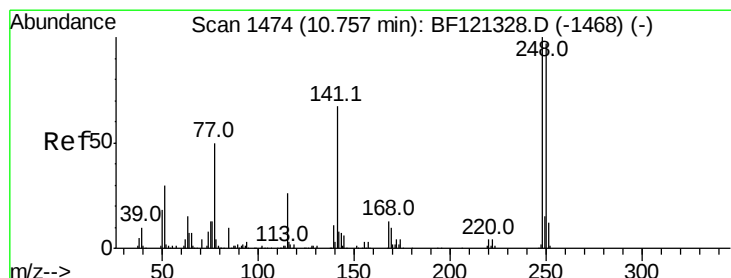
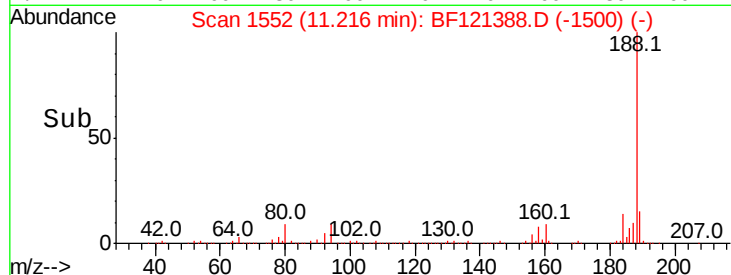
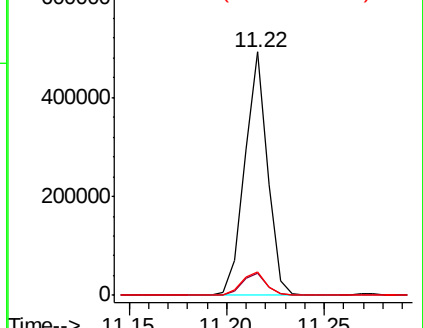
80 9.4 7.4 11.0



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



#67

4-Bromophenyl-phenylether

Concen: 2.612 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.24 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

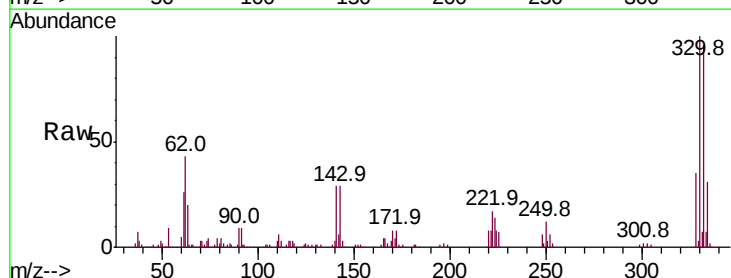
Tgt Ion:248 Resp: 11522

Ion Ratio Lower Upper

248 100

250 199.8 77.9 116.9#

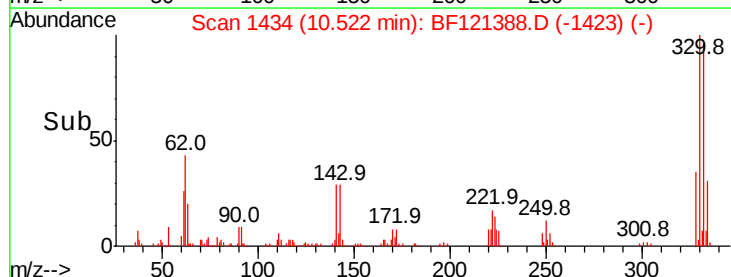
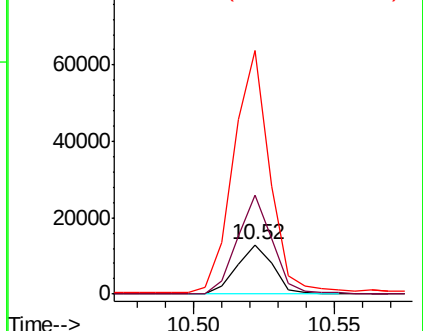
141 491.2 53.5 80.3#

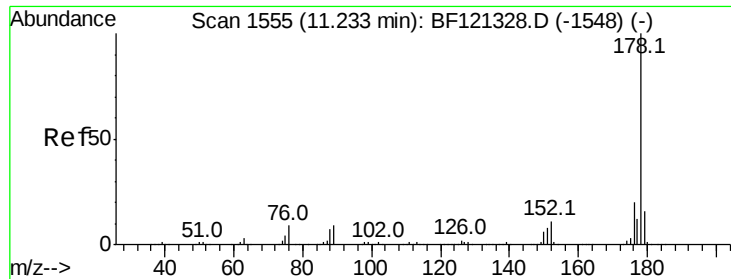


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

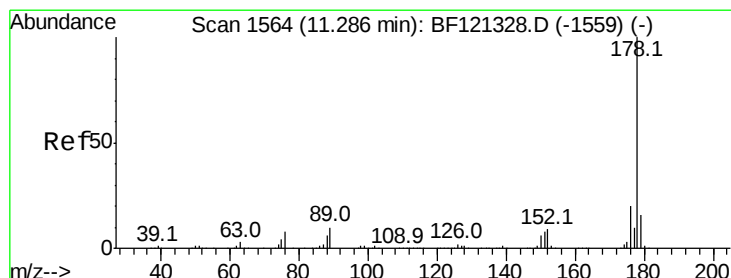
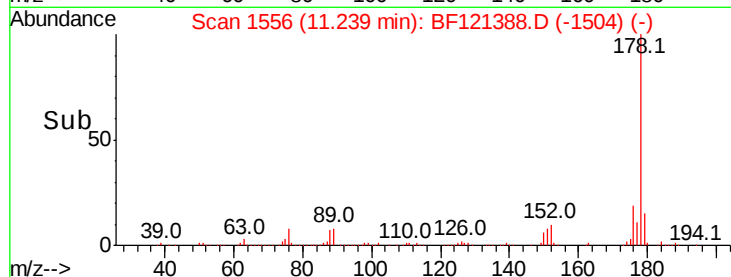
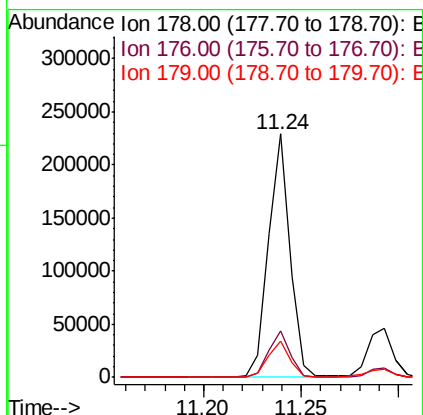
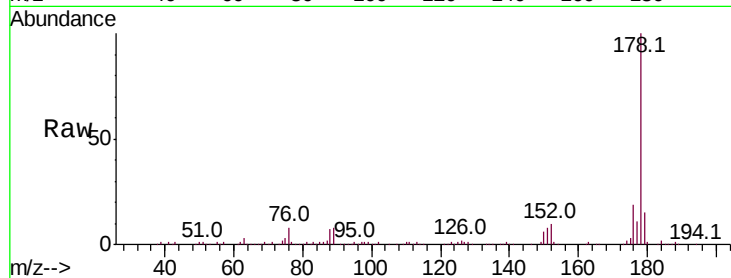




#71
Phenanthrene
Concen: 8.539 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

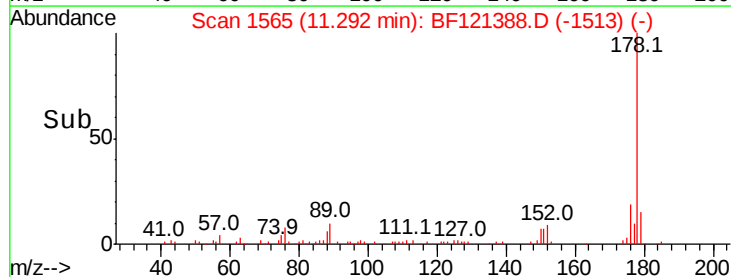
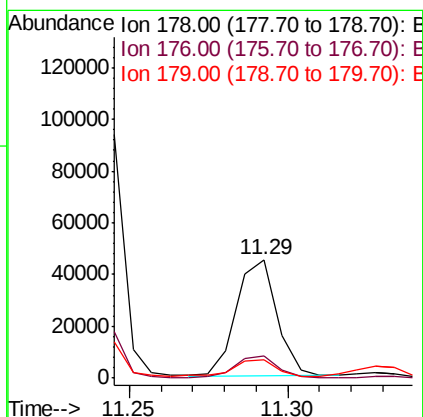
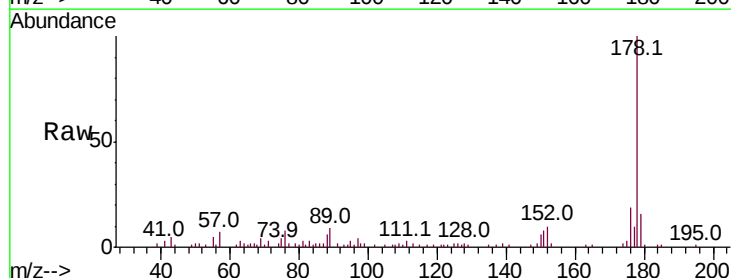
Instrument :
BNA_F
ClientSampleId :

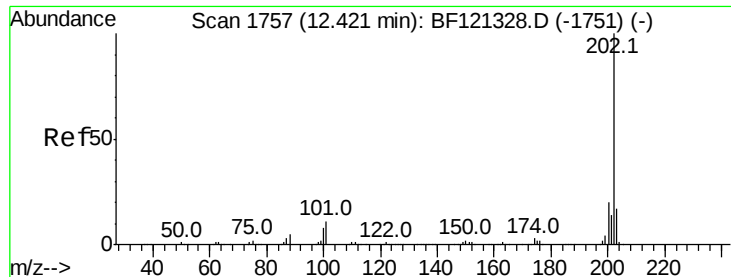
Tot Ion:178 Resp: 175720
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.1 12.8 19.2



#72
Anthracene
Concen: 2.003 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion:178 Resp: 39687
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.7 12.8 19.2





#75

Fluoranthene

Concen: 10.319 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

ClientSampleId :

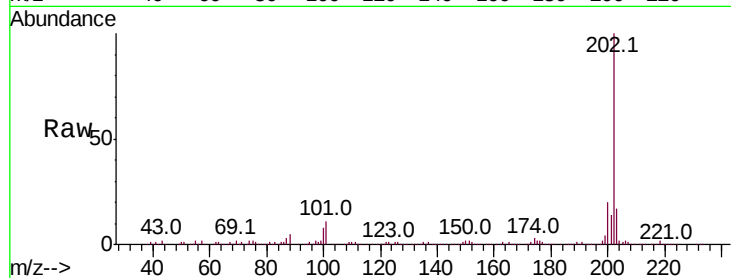
Tot Ion:202 Resp: 230501

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.6

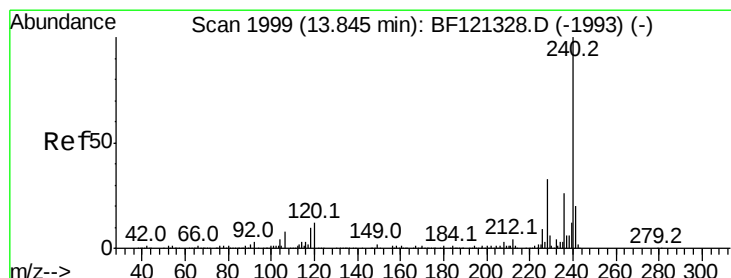
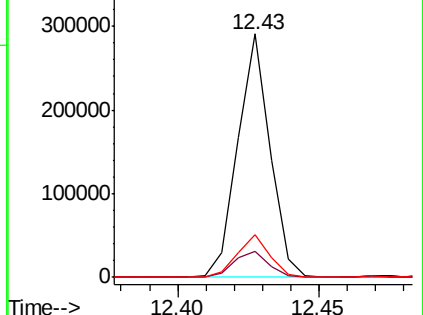
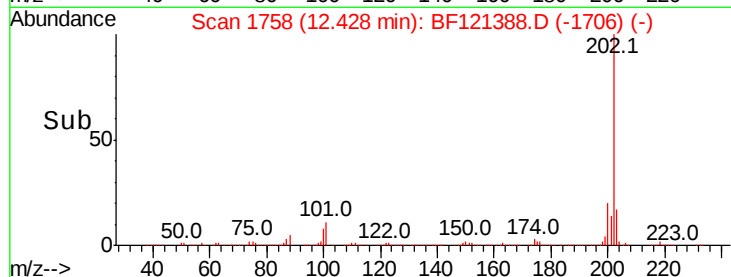
203 17.3 0.0 37.5



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: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

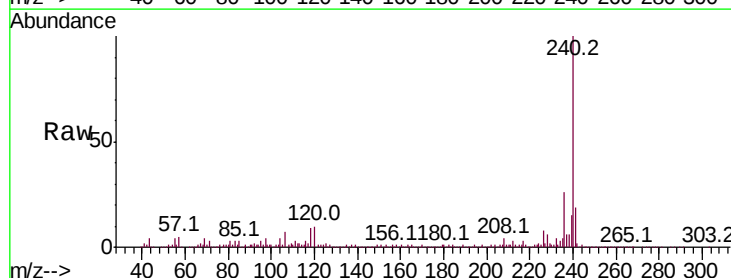
Tgt Ion:240 Resp: 312090

Ion Ratio Lower Upper

240 100

120 10.0 9.6 14.4

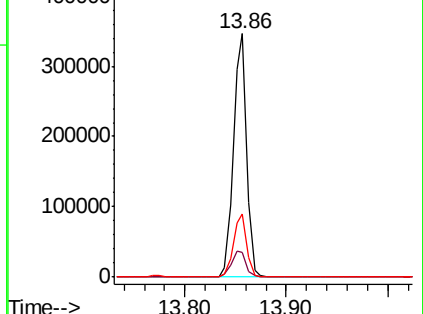
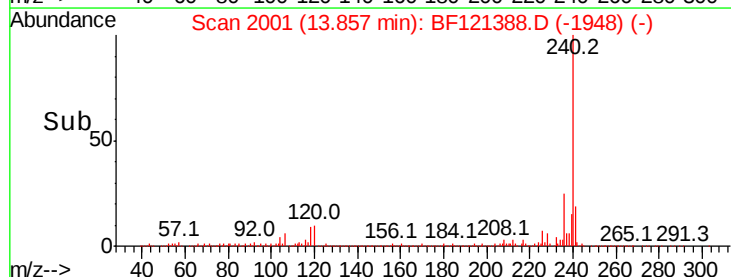
236 25.9 20.6 31.0

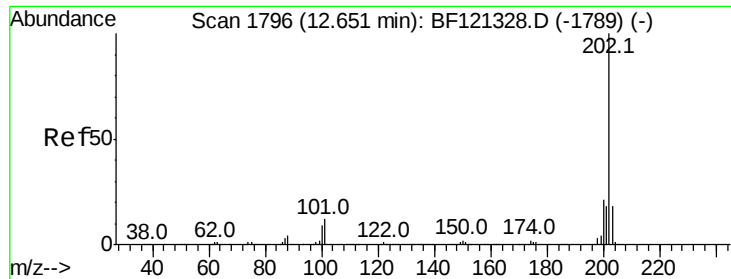


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

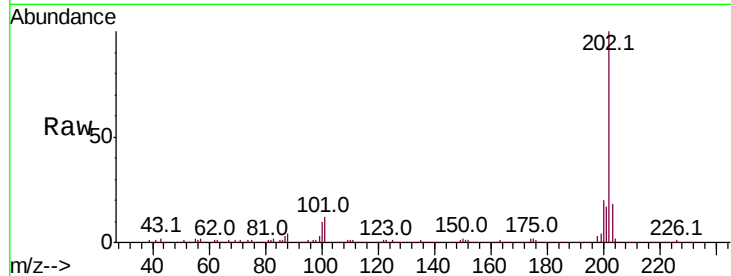




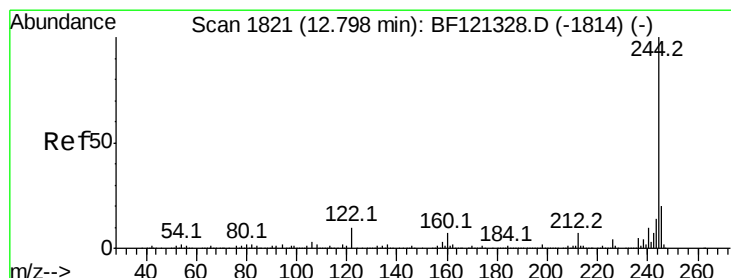
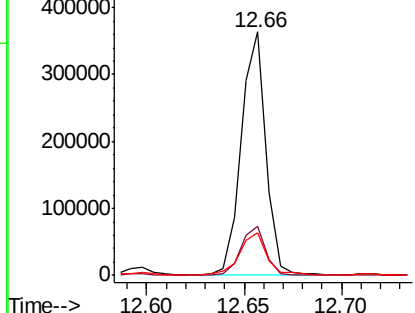
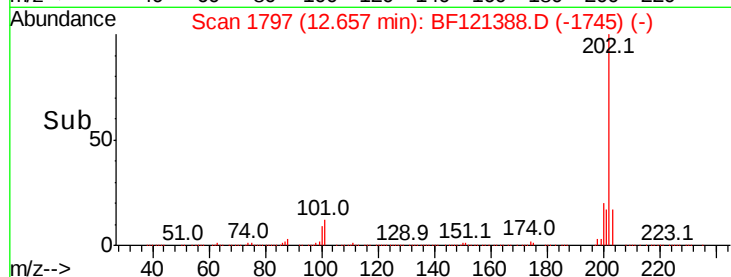
#78
Pvrene
Concen: 13.444 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.6	14.2	21.2

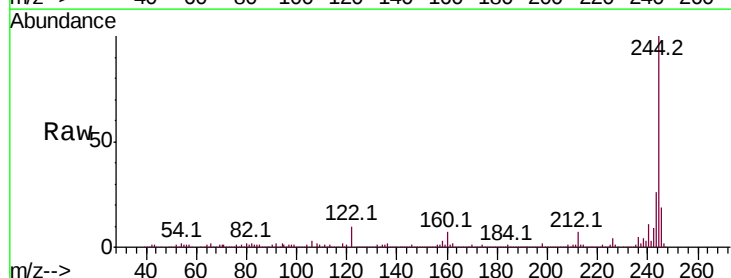


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

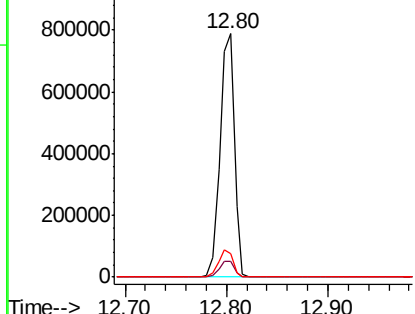
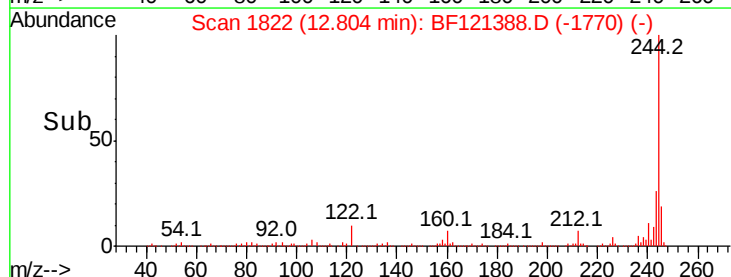


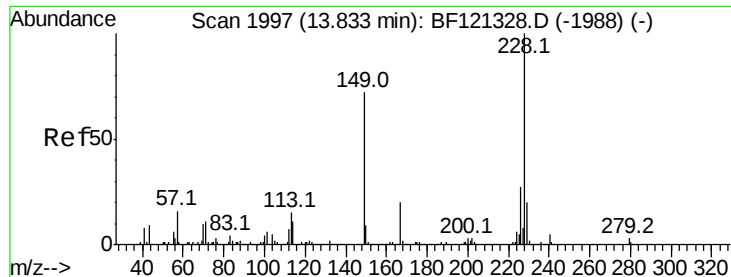
#79
Terphenyl-d14
Concen: 48.372 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.9	7.8	11.8



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: 7.243 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.05 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

Instrument :

BNA_F

ClientSampleId :

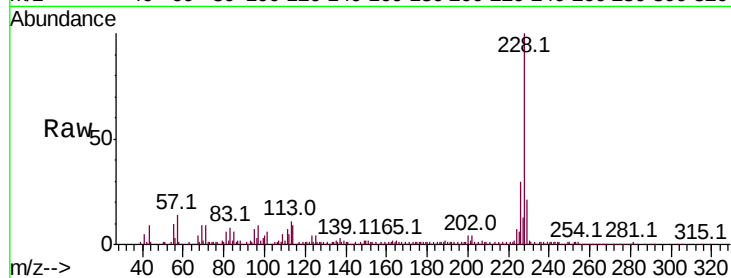
Tot Ion:228 Resp: 140392

Ion Ratio Lower Upper

228 100

226 30.1 21.8 32.6

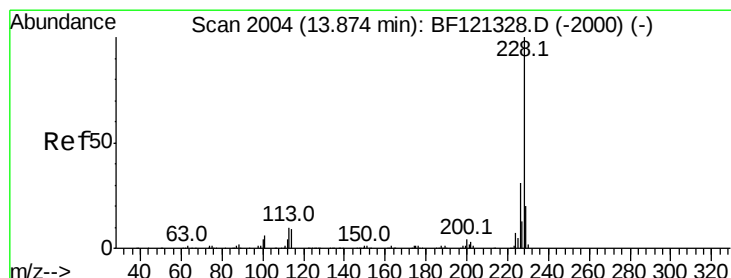
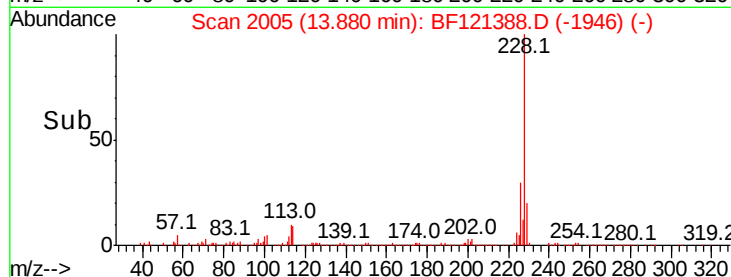
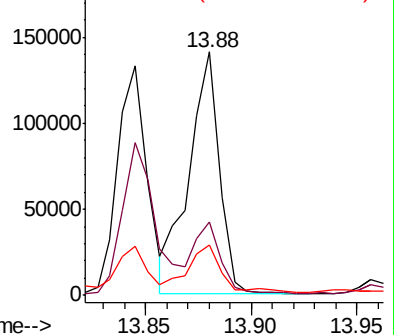
229 20.6 15.8 23.8



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: 7.081 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF121388.D

Acq: 22 Aug 2020 1:57

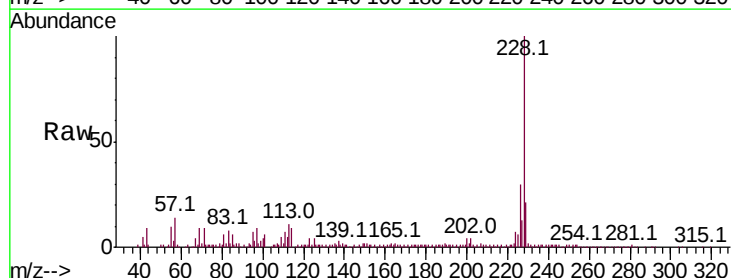
Tgt Ion:228 Resp: 140392

Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

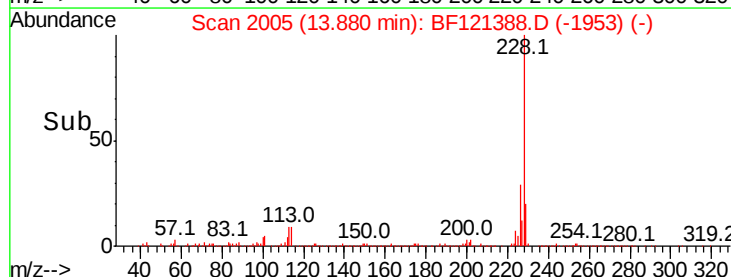
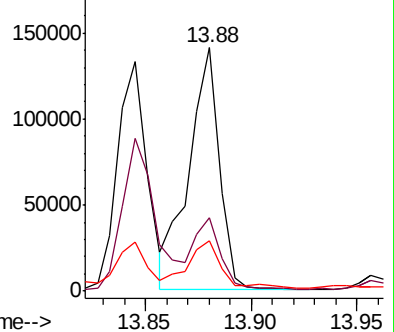
229 20.6 15.9 23.9

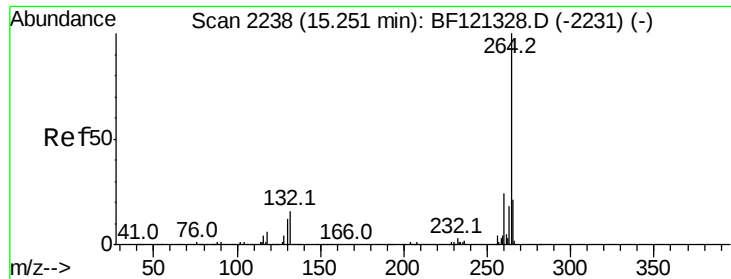


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

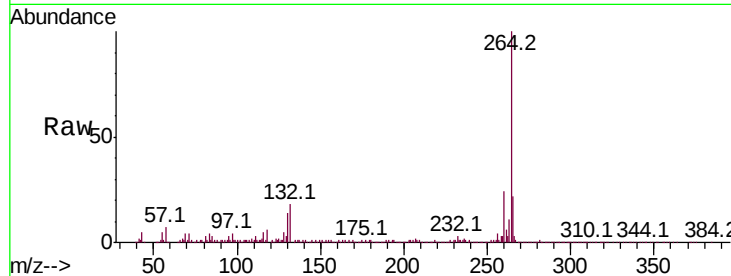




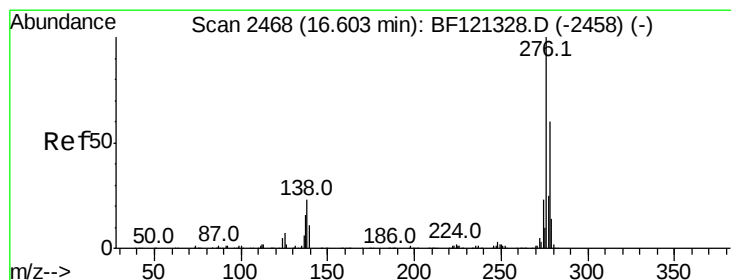
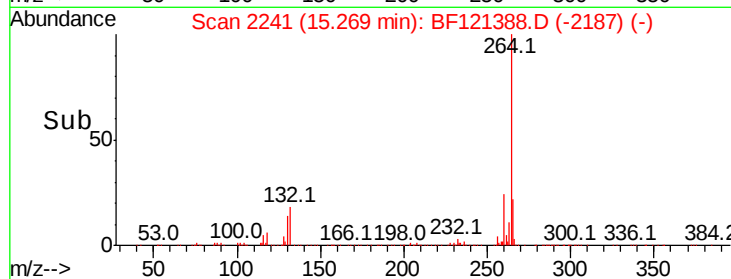
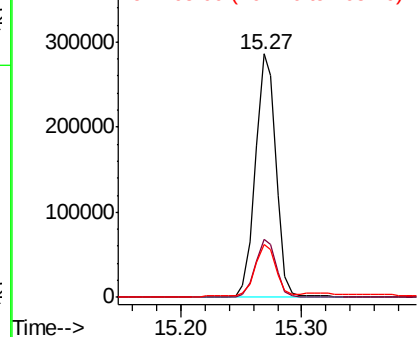
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :

Tot	Ion:264	Resp:	338817
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.1	25.7

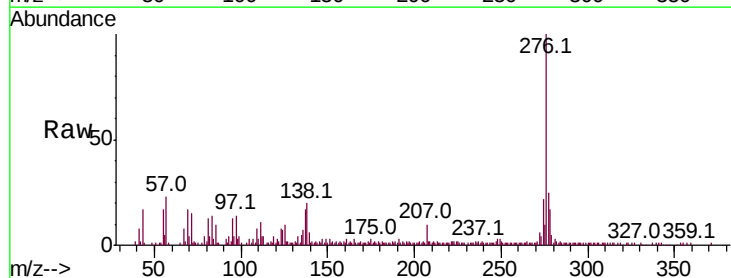


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

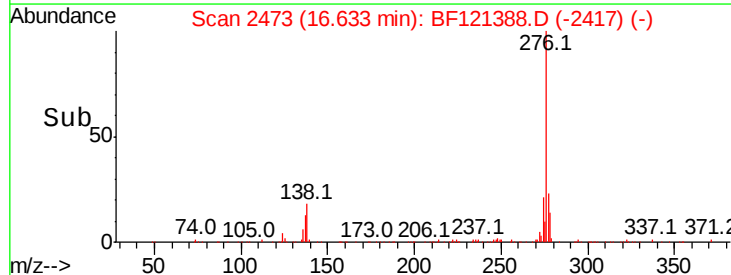
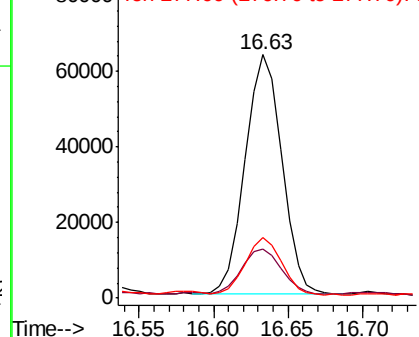


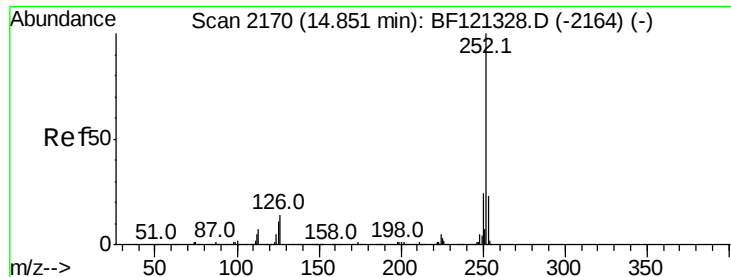
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.225 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.03 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt	Ion:276	Resp:	108065
Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.4	29.0
277	23.5	19.9	29.9



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

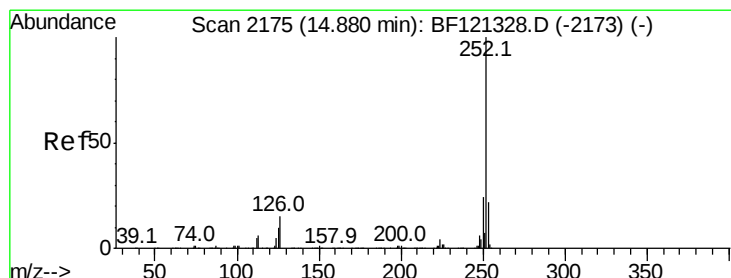
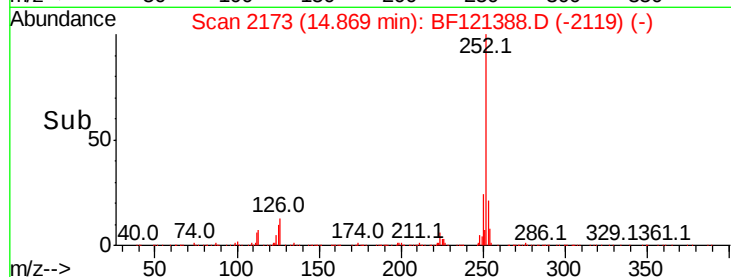
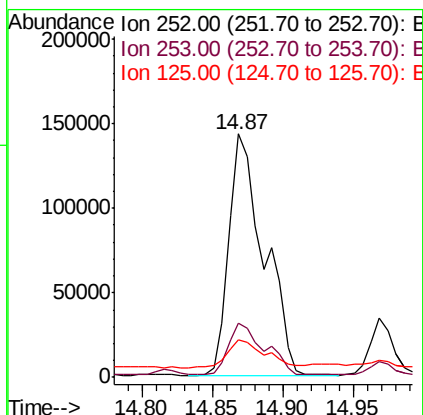
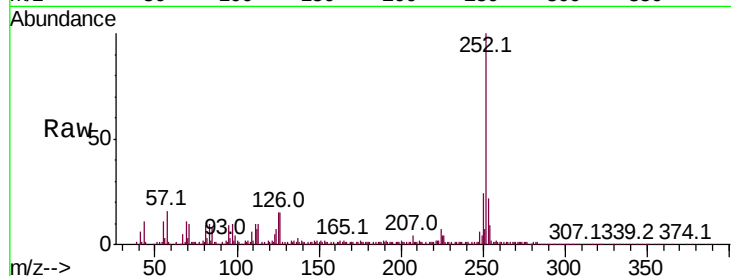




#88
Benzo(b)fluoranthene
Concen: 11.456 ng
RT: 14.87 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

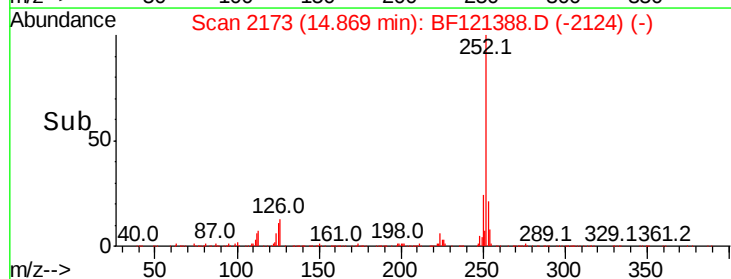
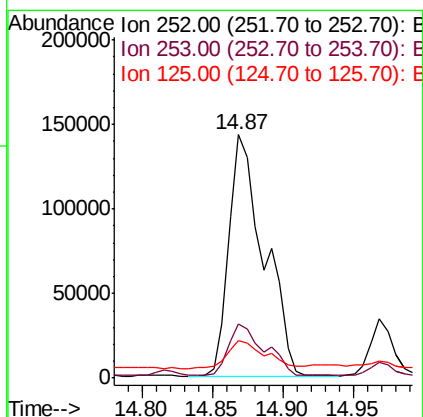
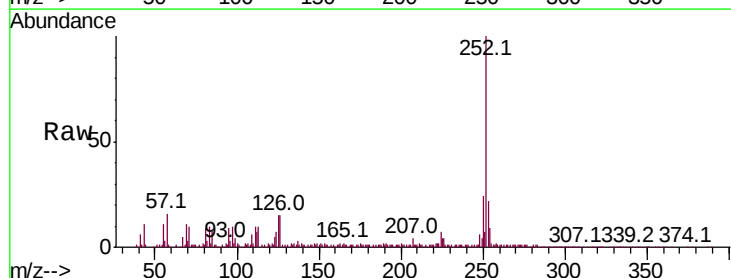
Instrument :
BNA_F
ClientSampleId :

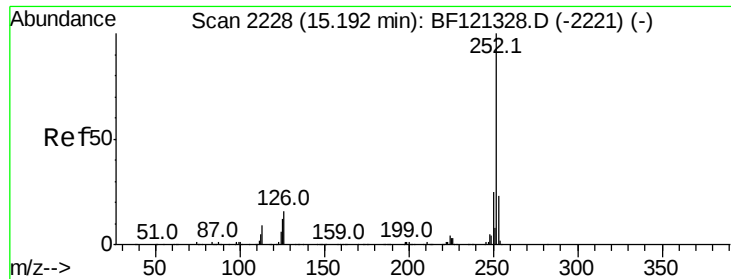
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	15.2	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 13.014 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	15.2	8.6	12.8#

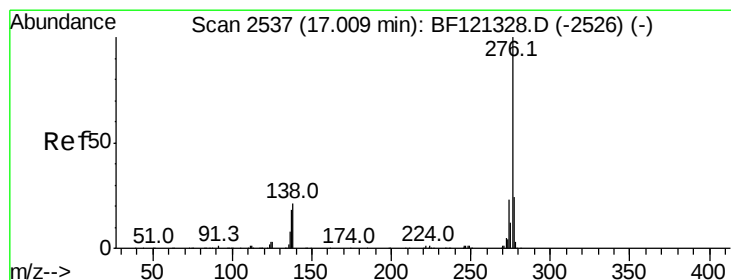
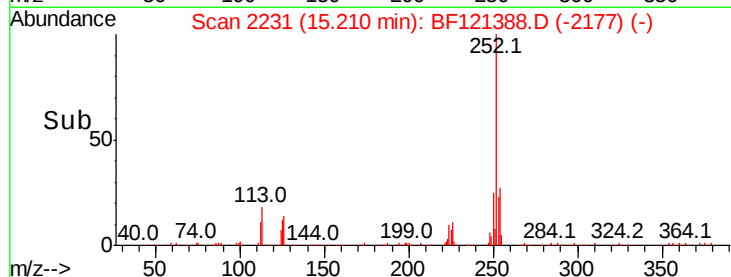
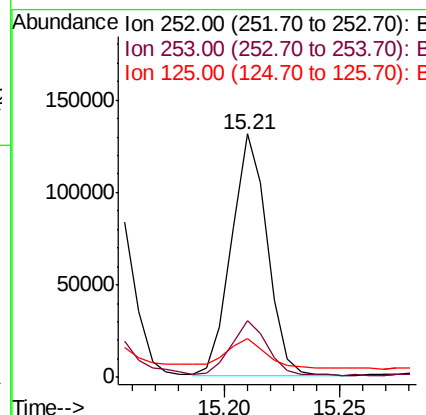
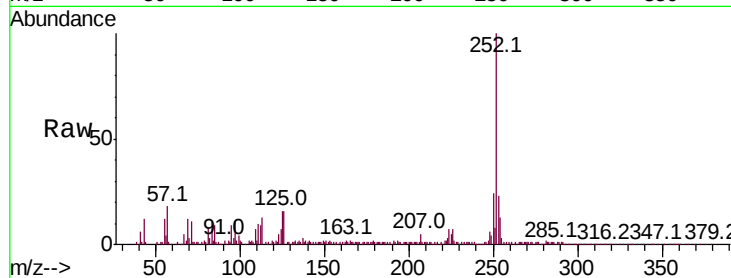




#90
Benzo(a)pyrene
Concen: 7.424 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	15.8	9.4	14.0



#92
Benzo(g,h,i)perylene
Concen: 7.516 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.04 min
Lab File: BF121388.D
Acq: 22 Aug 2020 1:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.3	28.9
138	22.0	16.8	25.2

