

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121389.D
 Acq On : 22 Aug 2020 2:27
 Operator : JU/CG
 Sample : L3720-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 02:56:08 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	142227	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	535730	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	245277	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	385586	20.00	ng	0.00
76) Chrysene-d12	13.85	240	313130	20.00	ng	0.00
86) Perylene-d12	15.27	264	338952	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	725275	83.62	ng	0.01
7) Phenol-d6	6.35	99	868652	78.45	ng	0.00
23) Nitrobenzene-d5	7.26	82	566095	59.76	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	195100	68.26	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	975646	74.81	ng	0.00
79) Terphenyl-d14	12.80	244	743619	46.41	ng	0.00

Target Compounds

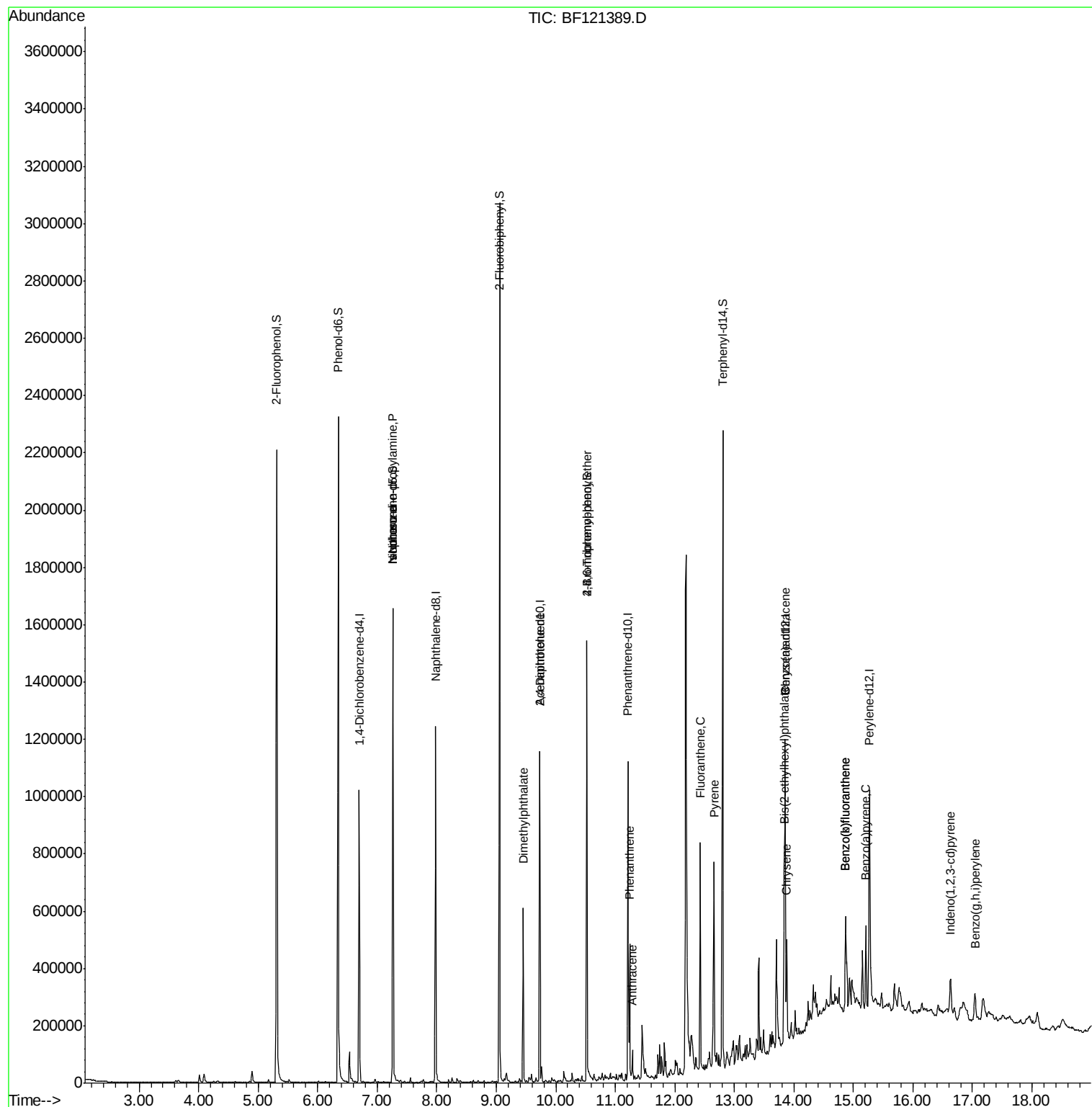
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	74478	12.507	ng	# 77
20) 3+4-Methylphenols	7.15	107	490	Below	Cal	# 11
25) Isophorone	7.26	82	560693	32.526	ng	# 65
50) Dimethylphthalate	9.45	163	225003	12.609	ng	99
55) Dibenzofuran	9.93	168	4893	Below	Cal	# 92
57) 2,4-Dinitrotoluene	9.73	165	32178	6.921	ng	# 25
58) Fluorene	10.28	166	8474	Below	Cal	98
67) 4-Bromophenyl-phenylether	10.52	248	11645	2.723	ng	# 1
71) Phenanthrene	11.24	178	165460	8.291	ng	98
72) Anthracene	11.29	178	39285	2.044	ng	97
75) Fluoranthene	12.43	202	293612	13.555	ng	99
78) Pvrene	12.66	202	283108	12.036	ng	99
81) Benzo(a)anthracene	13.84	228	141736	7.288	ng	96
83) Chrysene	13.88	228	137520	6.914	ng	96
84) Bis(2-ethylhexyl)phthalate	13.83	149	79479	6.687	ng	99
87) Indeno(1,2,3-cd)pyrene	16.63	276	76818	3.713	ng	96
88) Benzo(b)fluoranthene	14.87	252	236257	10.789	ng	98
89) Benzo(k)fluoranthene	14.87	252	236257	12.257	ng	98
90) Benzo(a)pvrene	15.21	252	131078	6.928	ng	98
92) Benzo(a,h,i)perylene	17.04	276	72821	4.391	ng	96

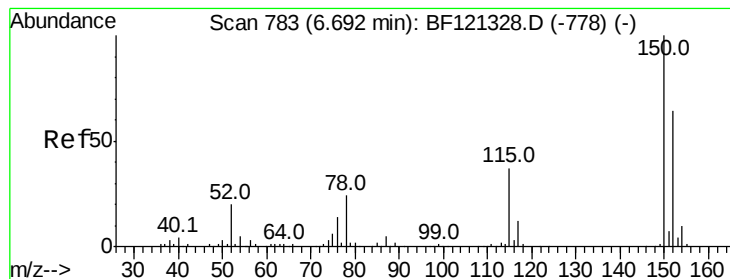
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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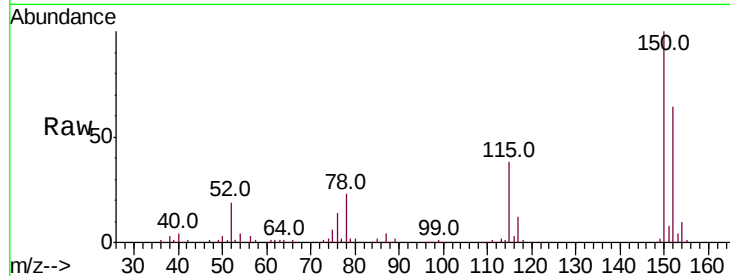


#1

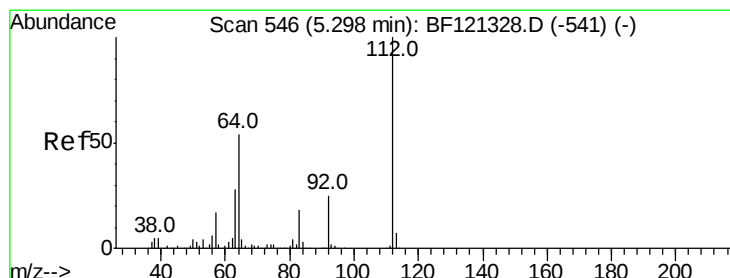
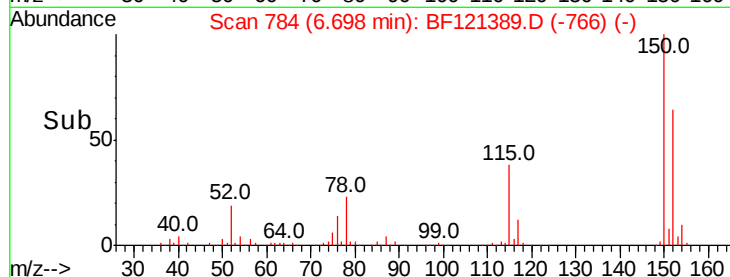
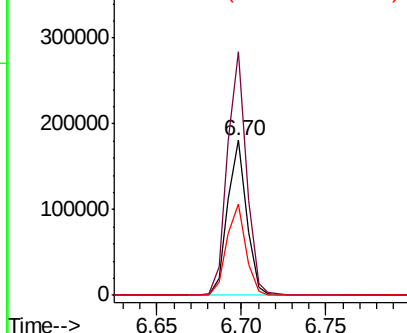
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.8	187.2
115	58.9	46.1	69.1



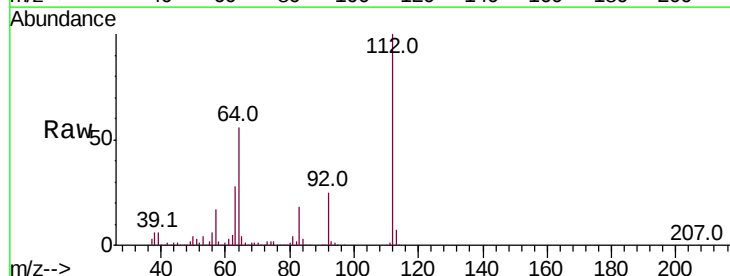
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



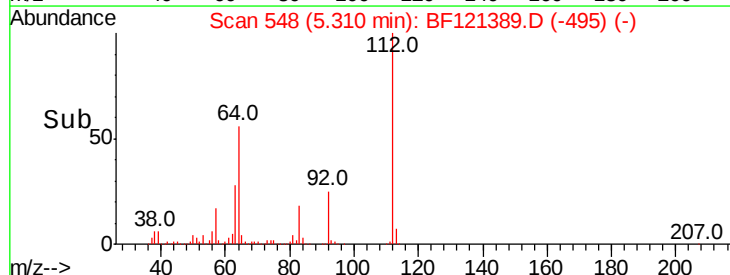
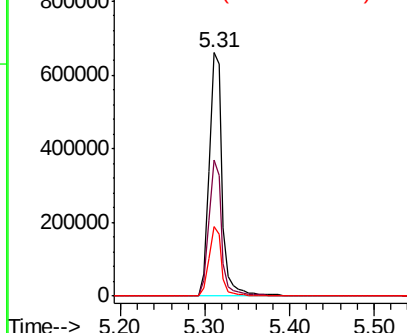
#5

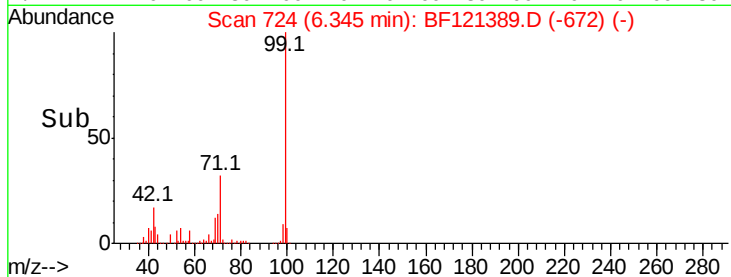
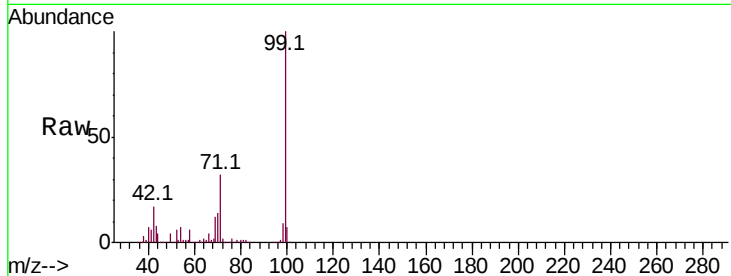
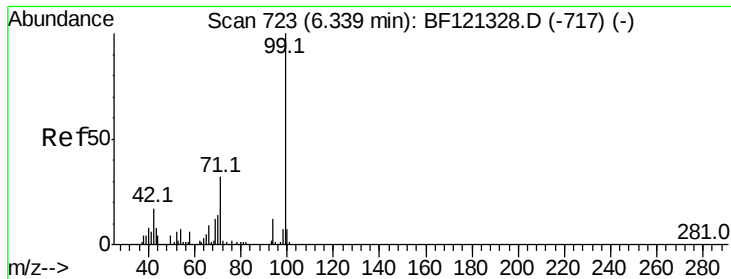
2-Fluorophenol
Concen: 83.617 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.5	65.3
63	28.4	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: 78.449 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

Instrument :

BNA_F

ClientSampled :

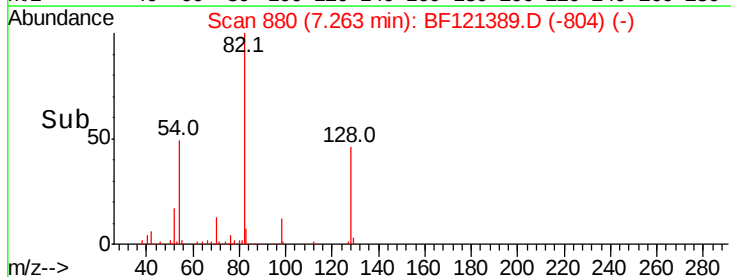
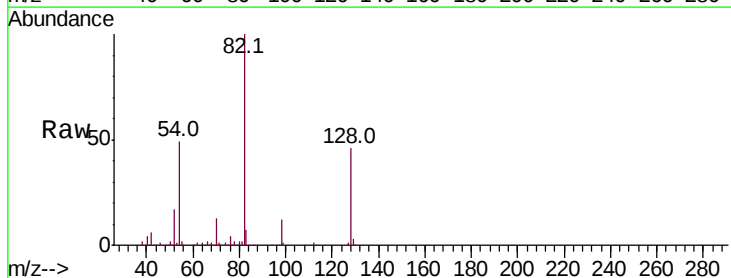
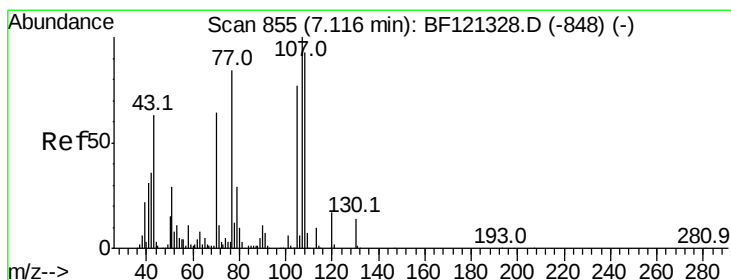
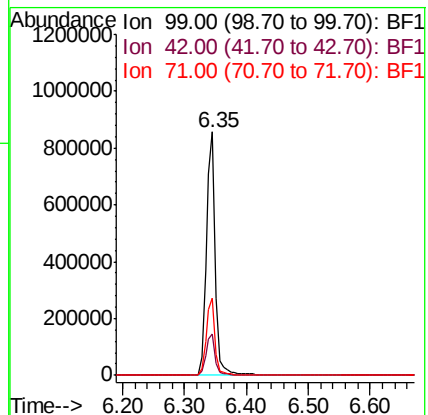
Tot Ion: 99 Resp: 868652

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 31.5 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.507 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

Tgt Ion: 70 Resp: 74478

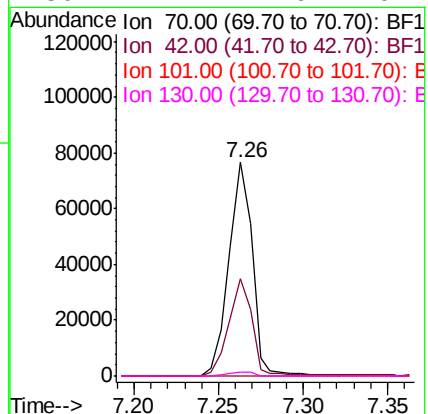
Ion Ratio Lower Upper

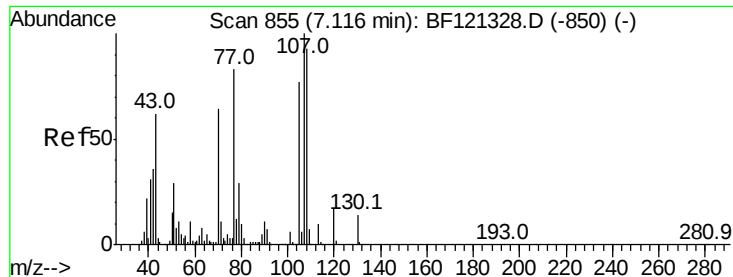
70 100

42 45.6 45.2 67.8

101 0.0 7.7 11.5#

130 2.1 17.6 26.4#

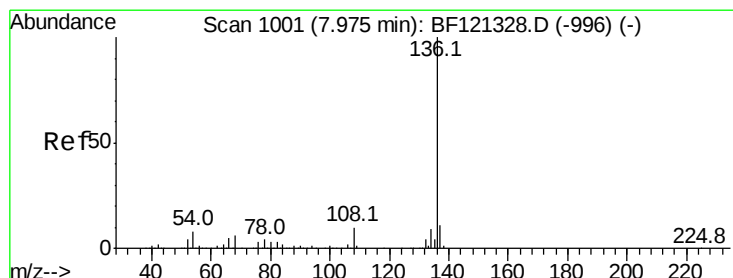
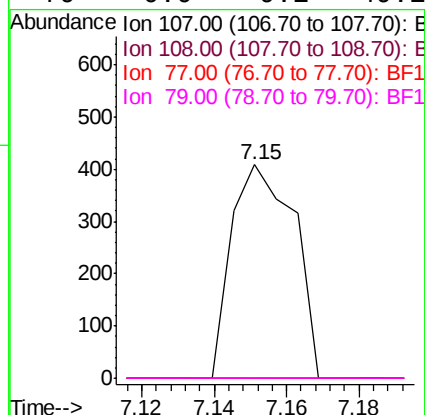
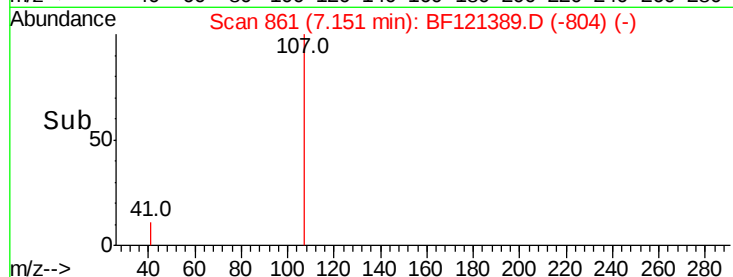
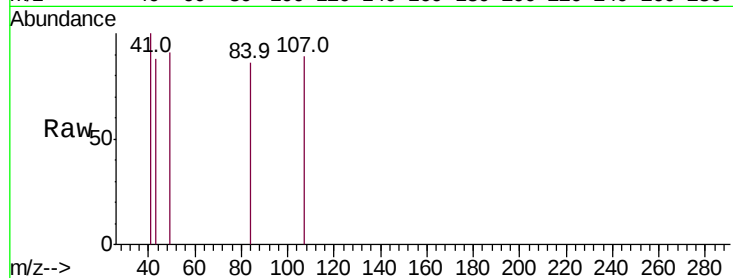




#20
 3+4-Methylphenols
 Concen: Below Cal
 RT: 7.15 min Scan# 861
 Delta R.T. 0.04 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

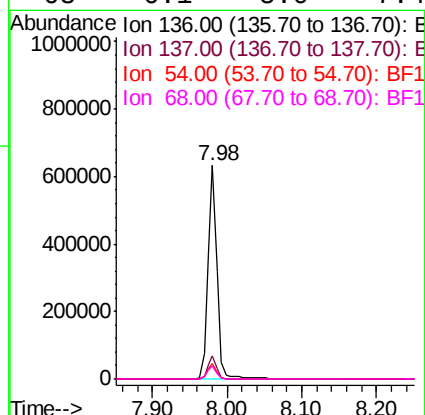
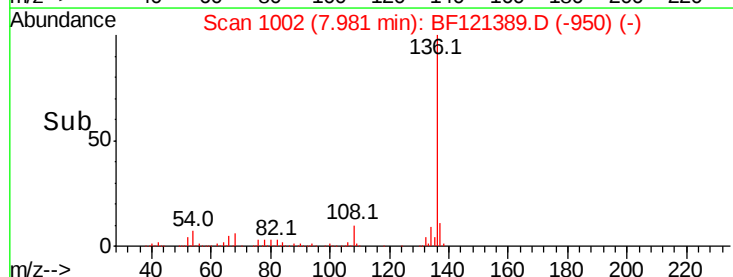
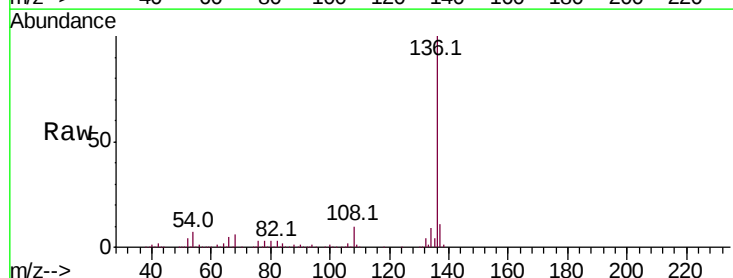
Instrument :
 BNA_F
 ClientSampleId :

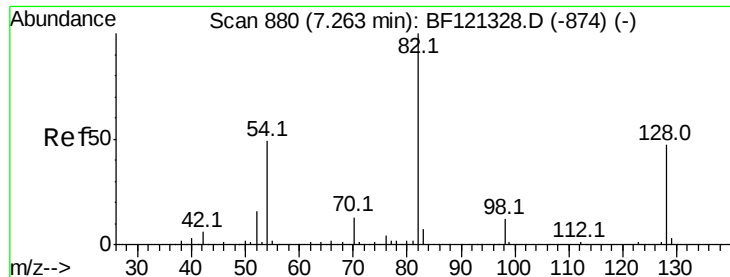
Tot Ion:	107	Resp:	490
Ion	Ratio	Lower	Upper
107	100		
108	0.0	72.6	112.6#
77	0.0	63.8	103.8#
79	0.0	9.1	49.1#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Tgt Ion:	136	Resp:	535730
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.1	9.1
68	6.1	5.0	7.4

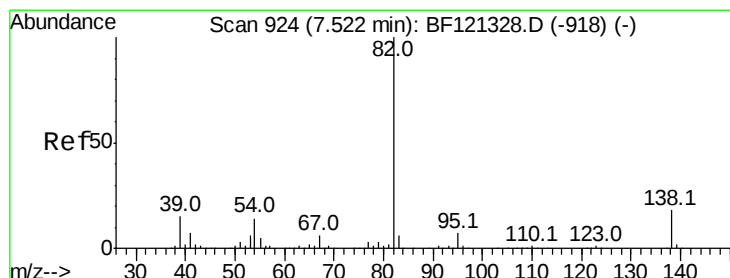
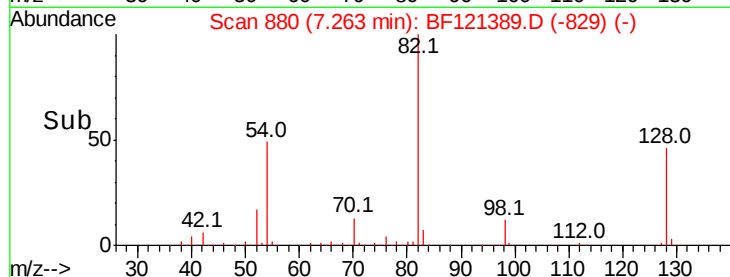
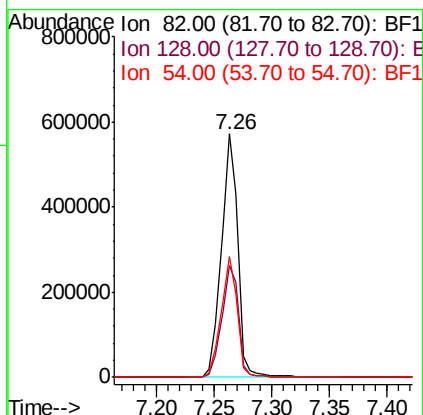
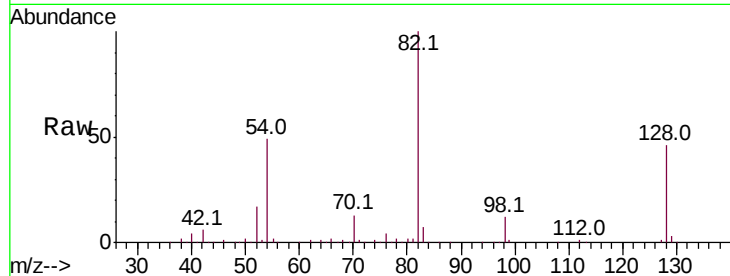




#23
 Nitrobenzene-d5
 Concen: 59.762 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

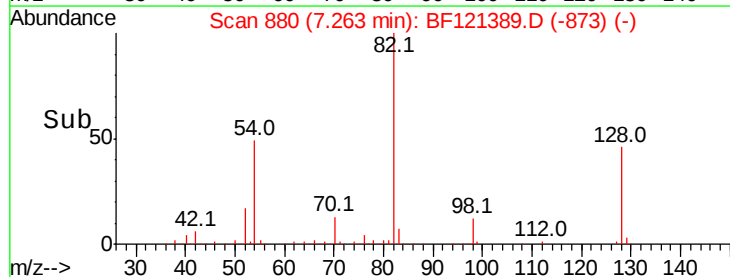
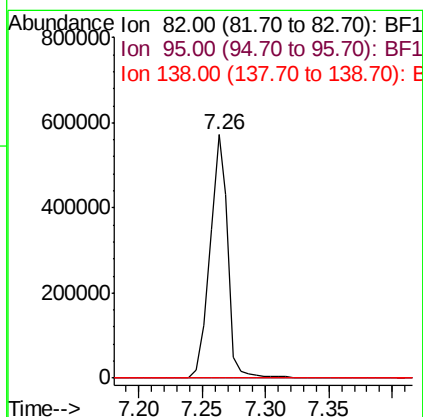
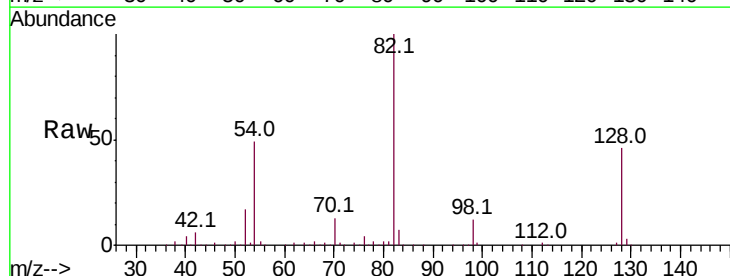
Instrument :
 BNA_F
 ClientSampleId :

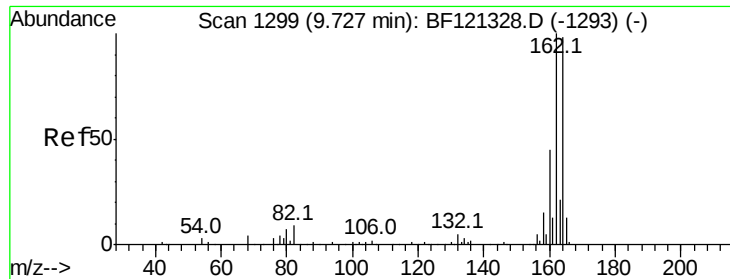
Tot Ion	82	Resp	566095
Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.9	56.9
54	49.5	39.0	58.4



#25
 Isophorone
 Concen: 32.526 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.26 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Tgt Ion	82	Resp	560693
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	14.6	21.8#

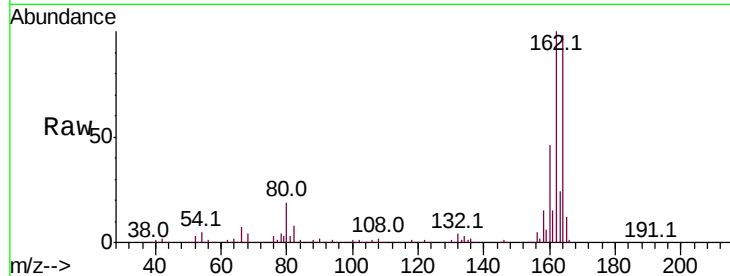




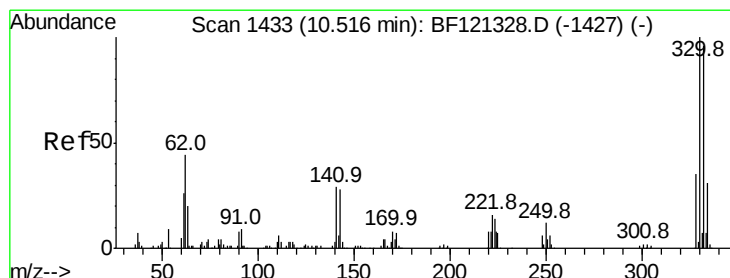
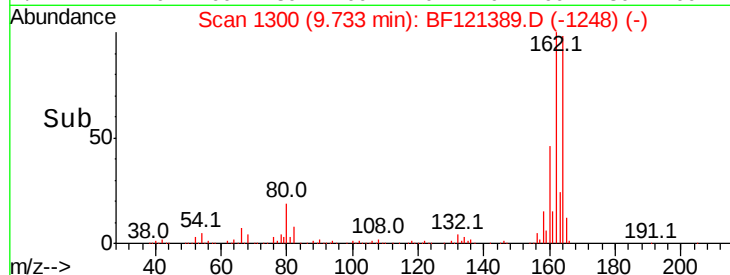
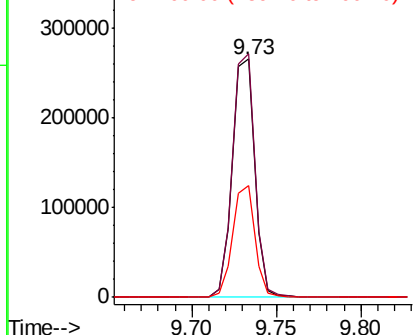
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 245277
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.7 122.5
 160 46.8 37.0 55.4

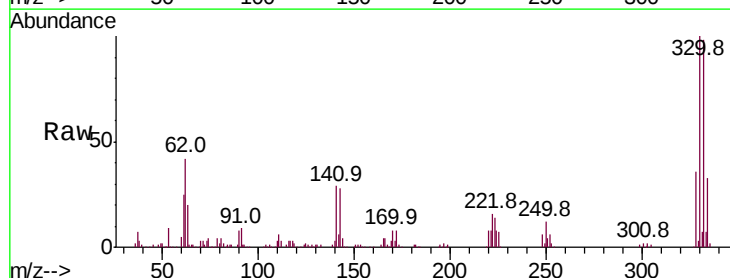


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

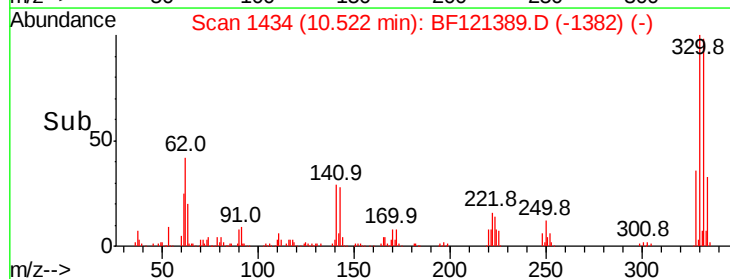
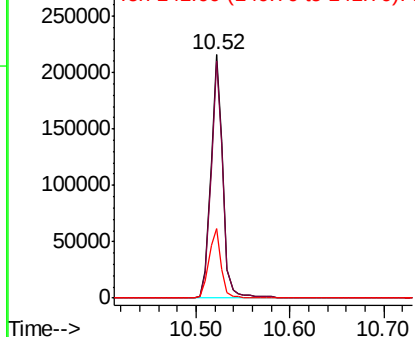


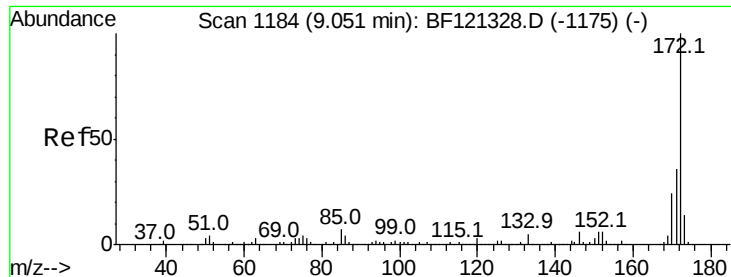
#42
 2,4,6-Tribromophenol
 Concen: 68.259 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Tgt Ion:330 Resp: 195100
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.9 115.3
 141 29.7 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

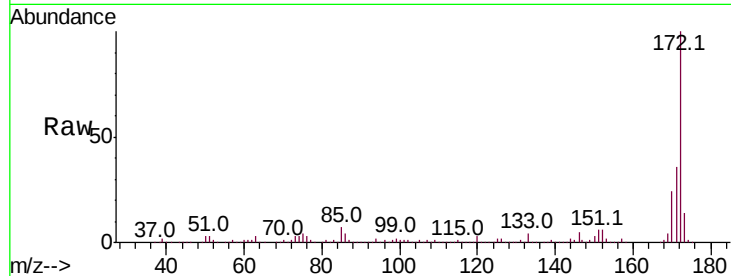




#45
 2-Fluorobiphenyl
 Concen: 74.811 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.3	19.4	29.2

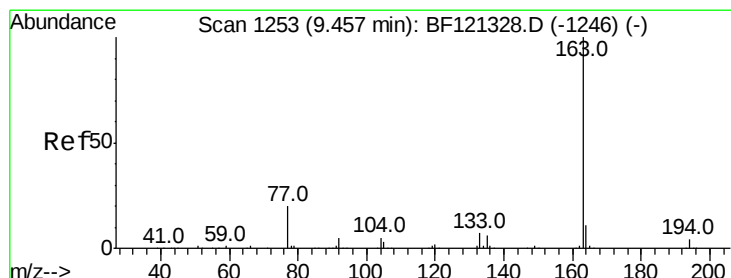
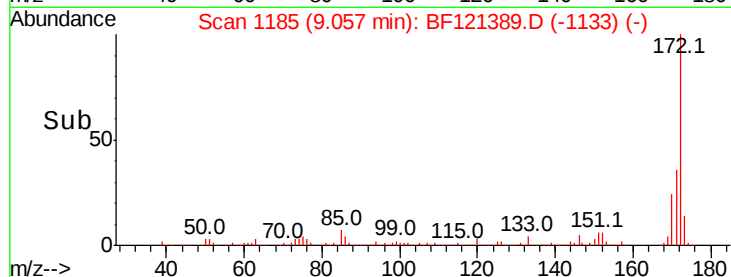
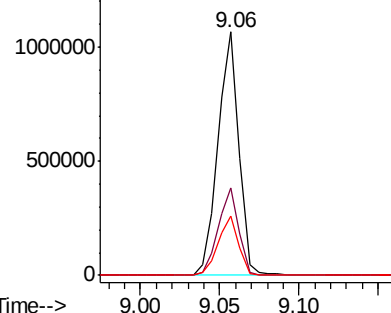


Abundance

Ion 172.00 (171.70 to 172.70): E

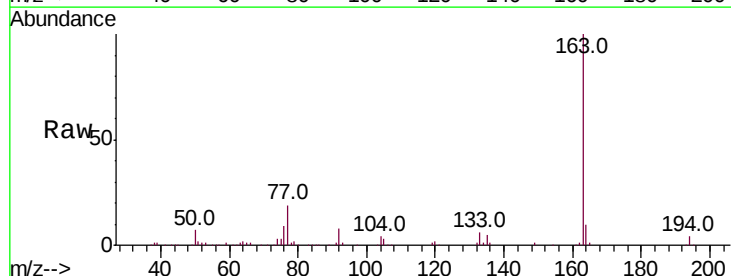
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 12.609 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.6
164	10.2	8.4	12.6

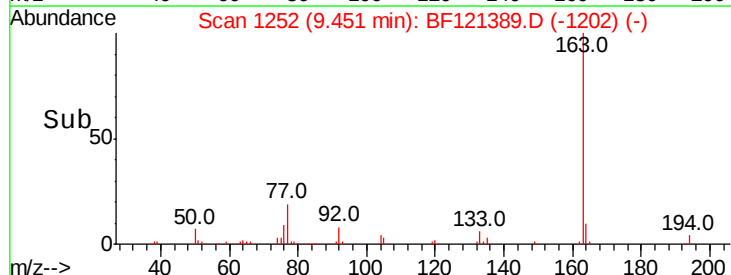
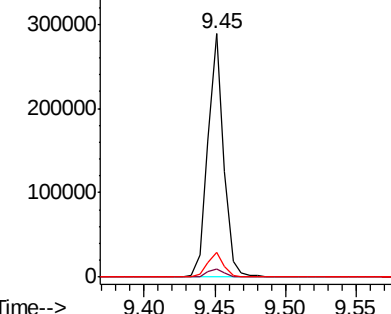


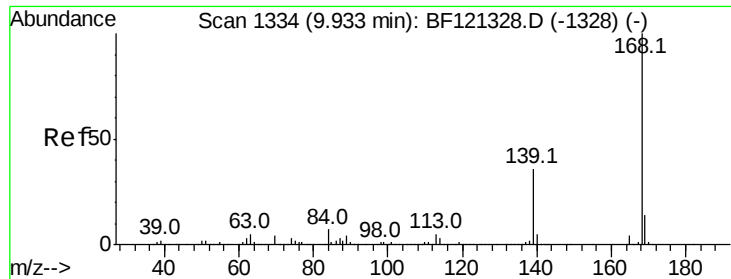
Abundance

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

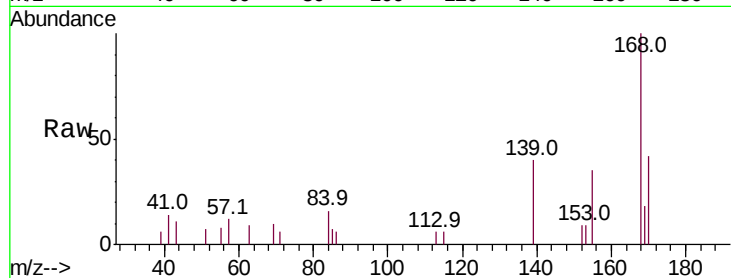




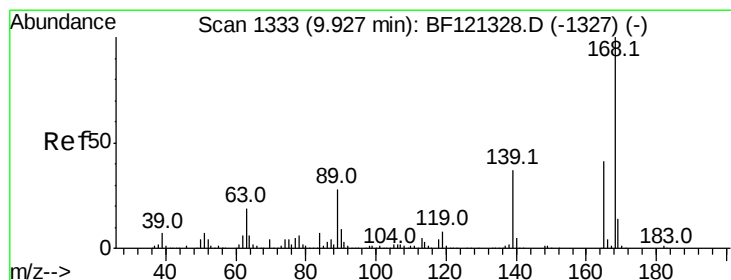
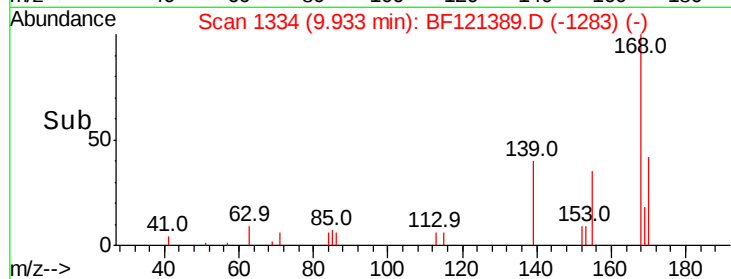
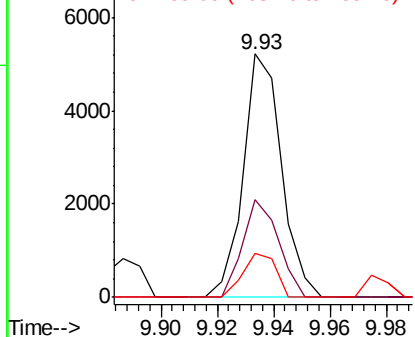
#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 4893
Ion Ratio Lower Upper
168 100
139 40.3 29.1 43.7
169 18.2 11.0 16.6#

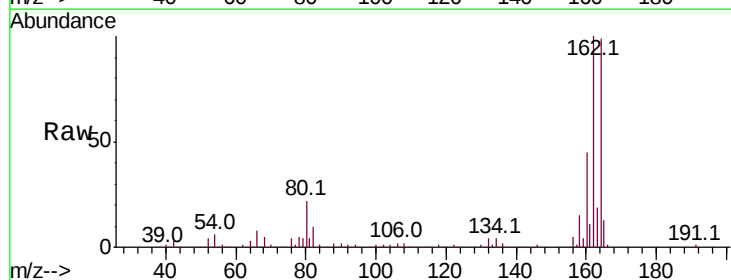


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

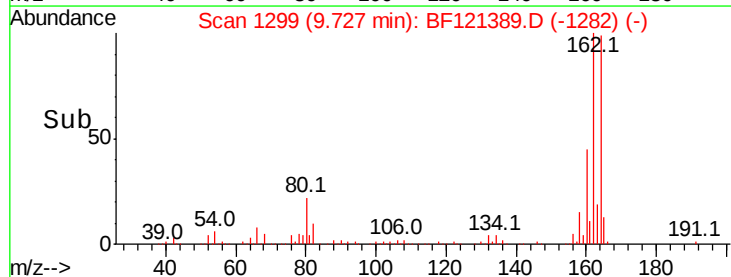
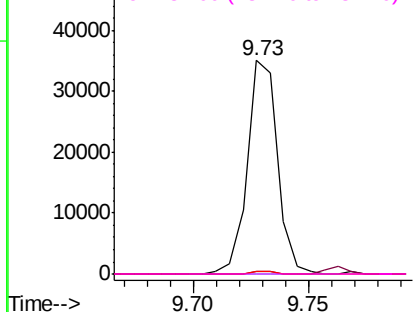


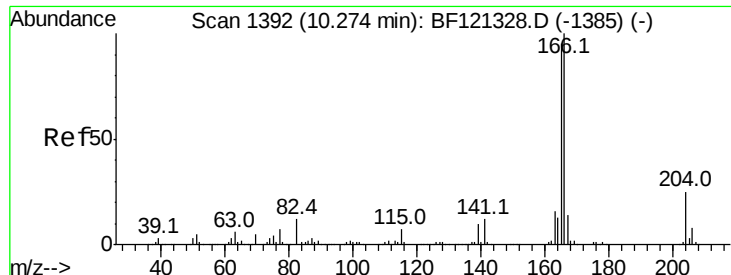
#57
2,4-Dinitrotoluene
Concen: 6.921 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion:165 Resp: 32178
Ion Ratio Lower Upper
165 100
63 1.2 37.5 56.3#
89 1.3 54.2 81.4#
182 0.0 2.2 3.4#



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
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.28 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

Instrument :

BNA_F

ClientSampleId :

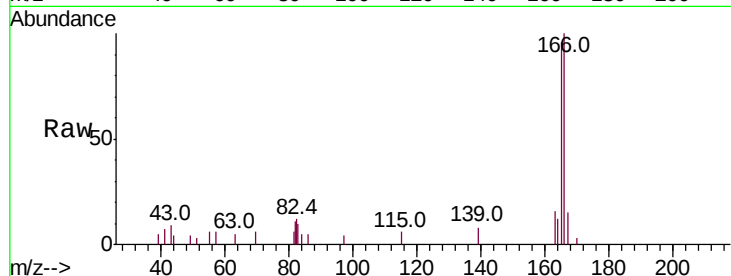
Tot Ion:166 Resp: 8474

Ion Ratio Lower Upper

166 100

165 96.4 75.8 113.8

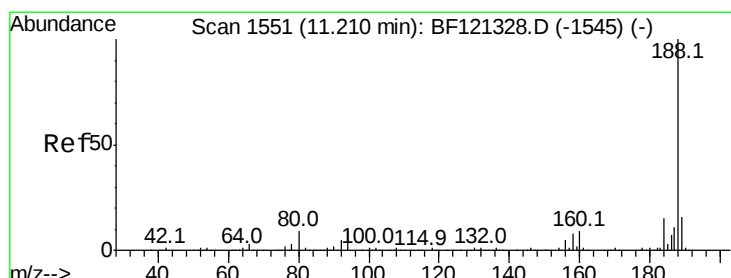
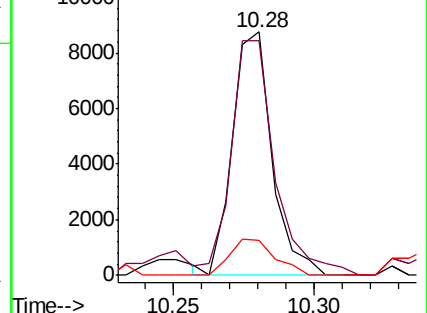
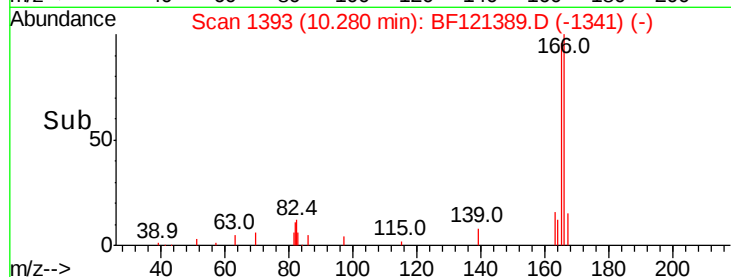
167 14.6 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

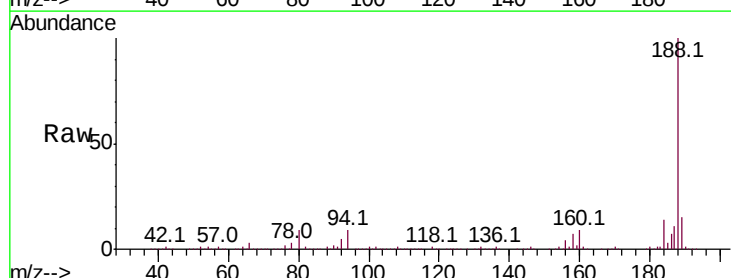
Tgt Ion:188 Resp: 385586

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

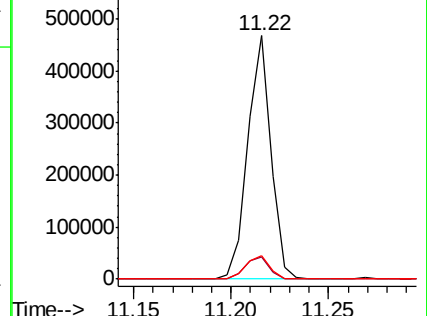
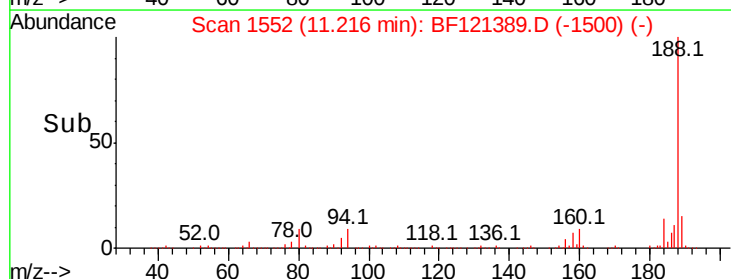
80 9.4 7.4 11.0

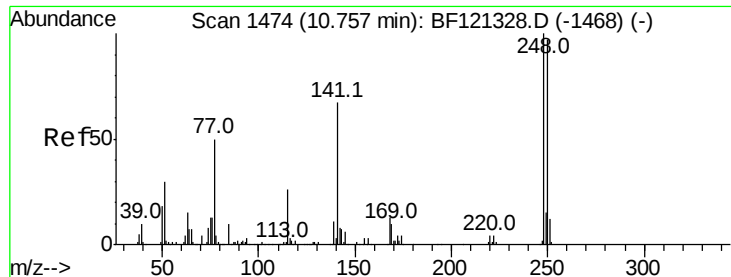


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

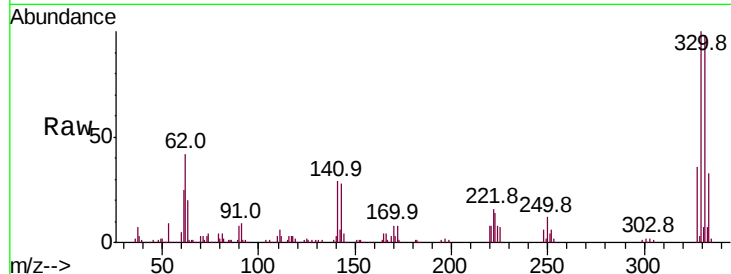




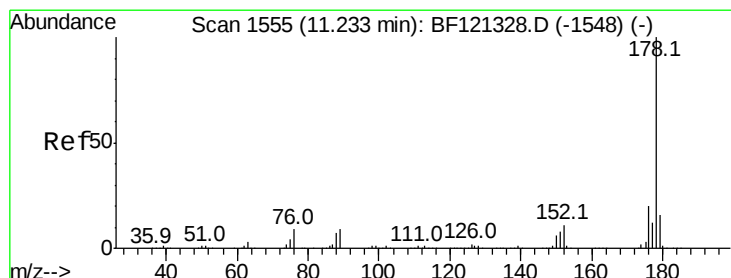
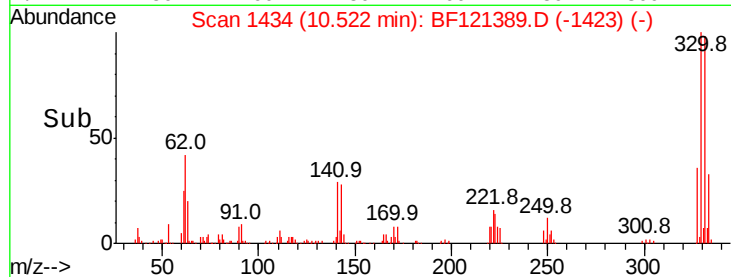
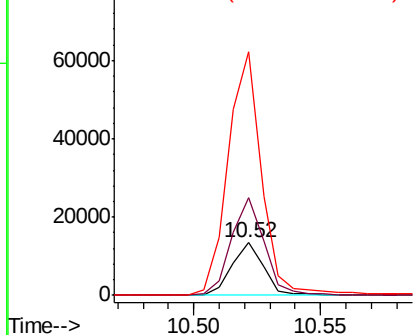
#67
4-Bromophenyl-phenylether
Concen: 2.723 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.24 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11645
Ion Ratio Lower Upper
248 100
250 187.0 77.9 116.9#
141 464.0 53.5 80.3#

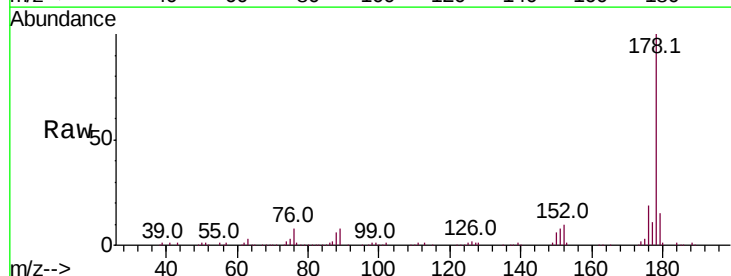


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

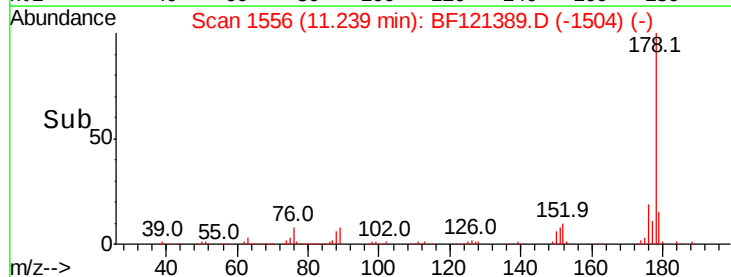
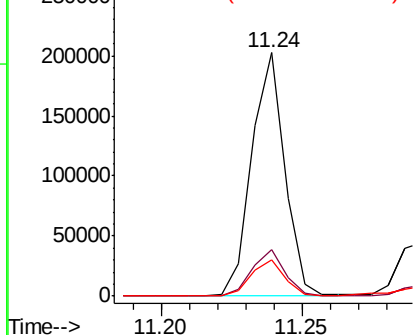


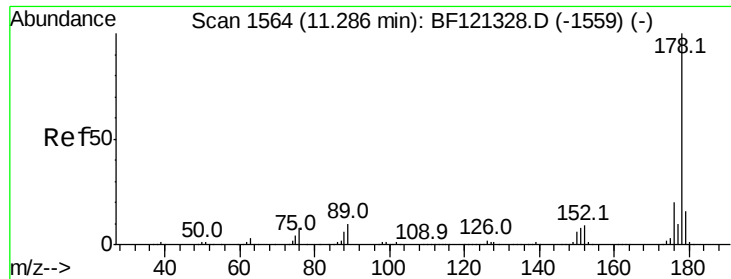
#71
Phenanthrene
Concen: 8.291 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion:178 Resp: 165460
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.8 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

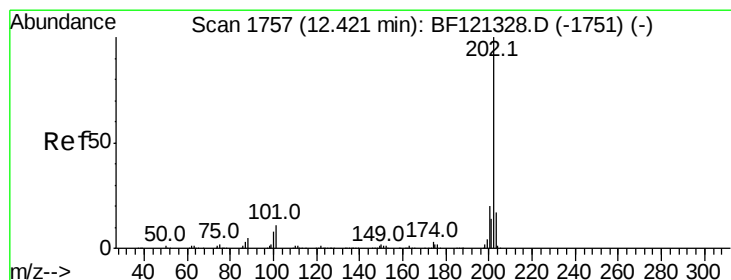
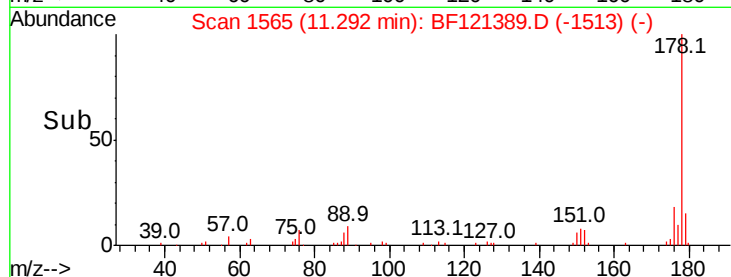
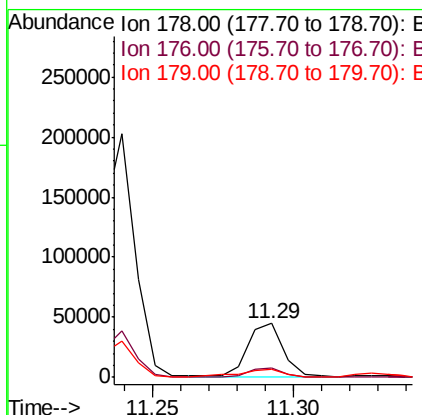
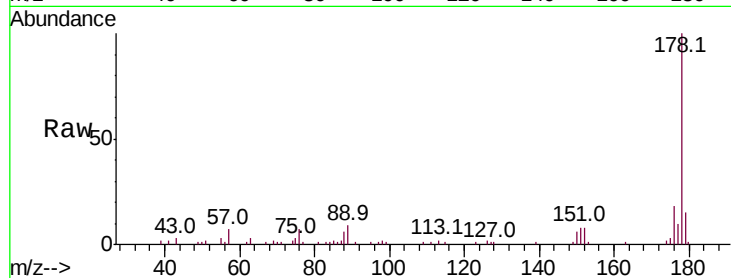




#72
 Anthracene
 Concen: 2.044 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

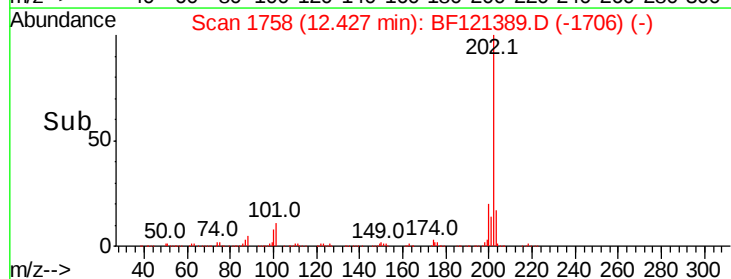
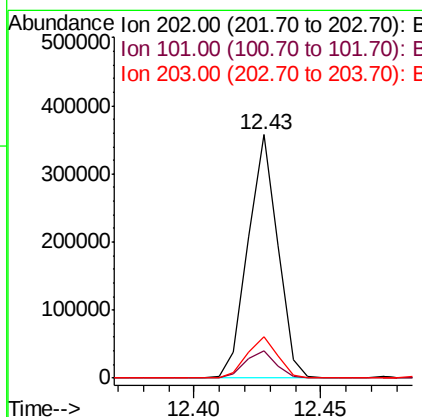
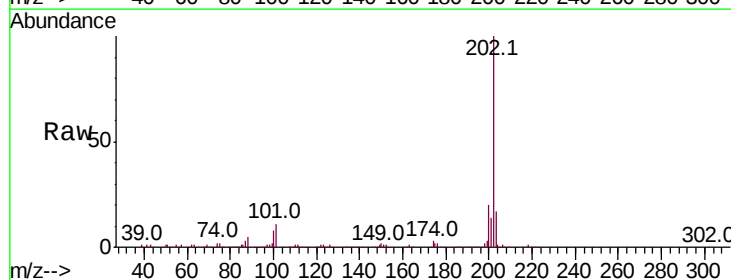
Instrument :
 BNA_F
 ClientSampled :

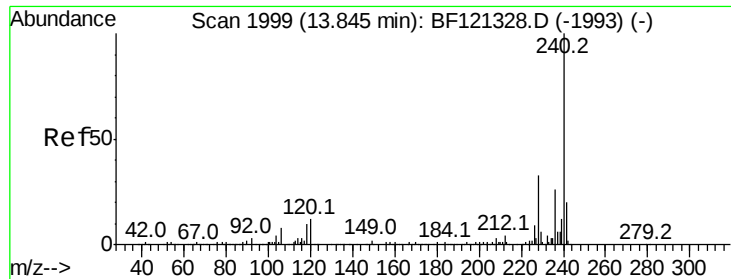
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.2	12.8	19.2



#75
 Fluoranthene
 Concen: 13.555 ng
 RT: 12.43 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: BF121389.D
 Acq: 22 Aug 2020 2:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.6
203	17.0	0.0	37.5

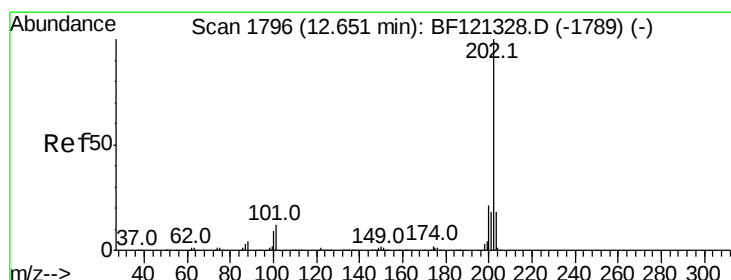
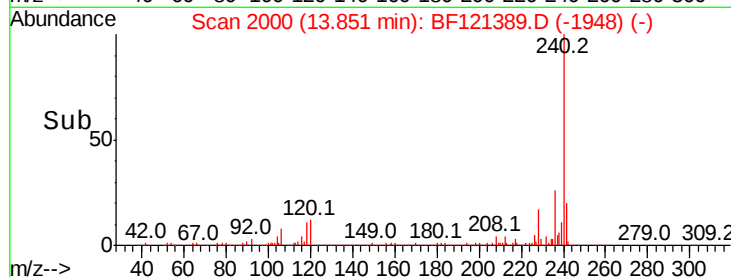
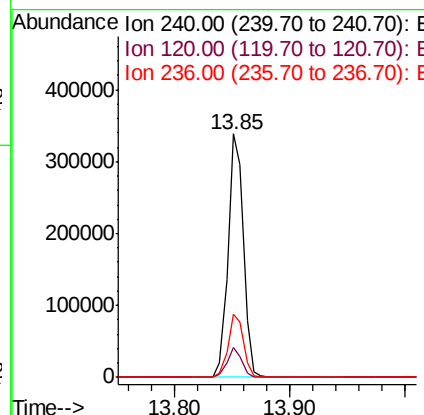
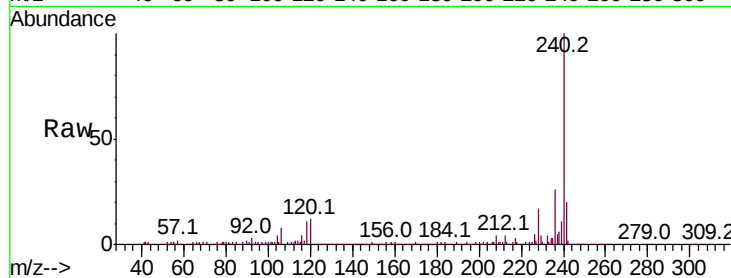




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

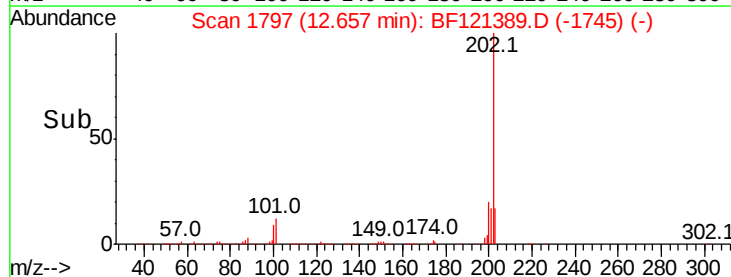
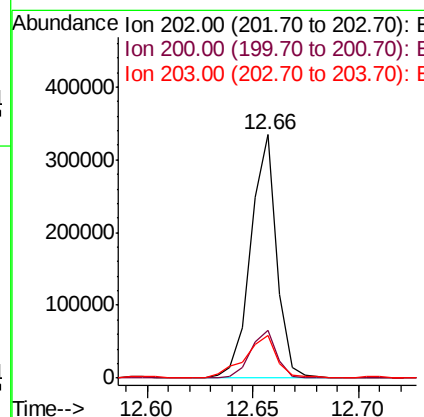
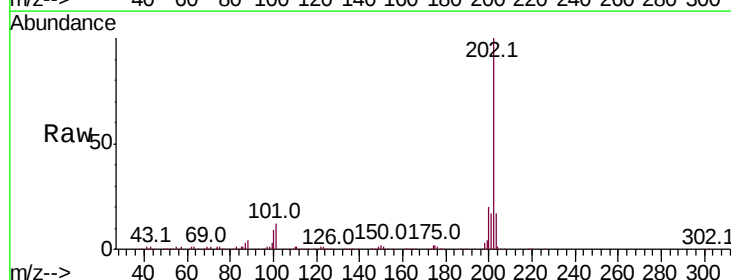
Instrument :
BNA_F
ClientSampleId :

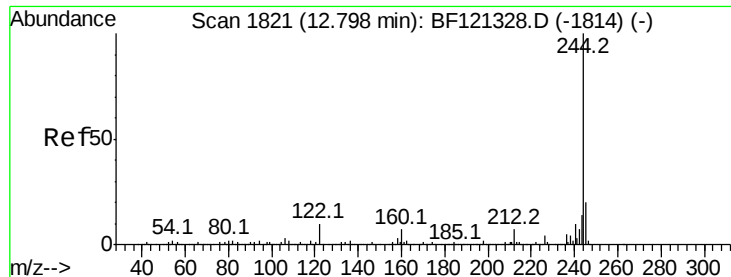
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.6	14.4
236	26.0	20.6	31.0



#78
Pyrene
Concen: 12.036 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	24.8
203	17.3	14.2	21.2





#79

Terphenyl-d14

Concen: 46.407 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

Instrument :

BNA_F

ClientSampled :

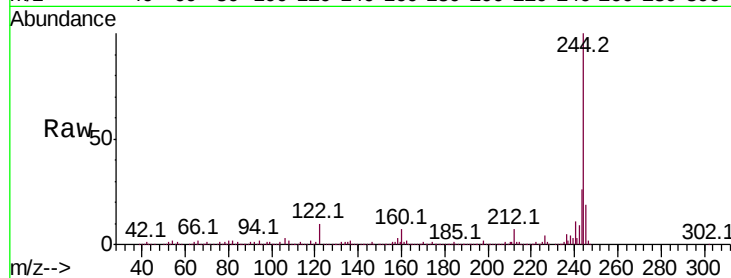
Tot Ion:244 Resp: 743619

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

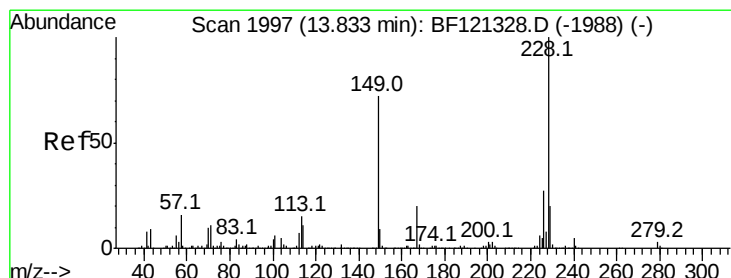
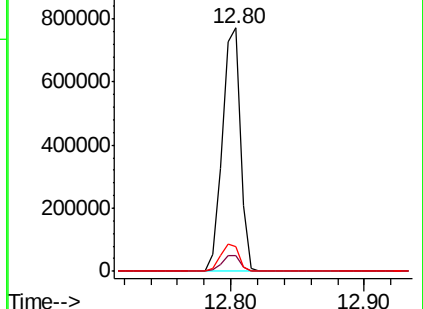
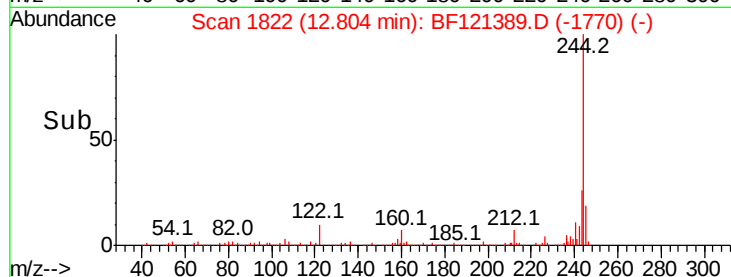
122 10.1 7.8 11.8



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: 7.288 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

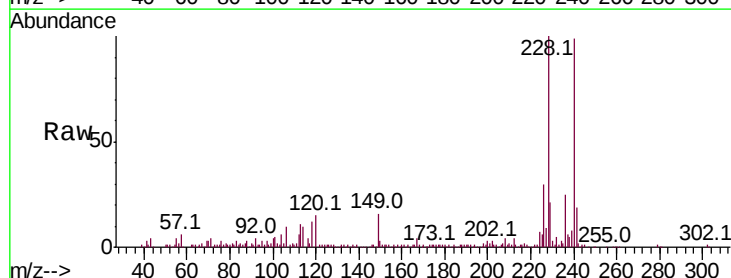
Tgt Ion:228 Resp: 141736

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.6

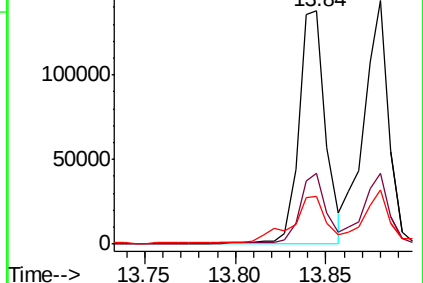
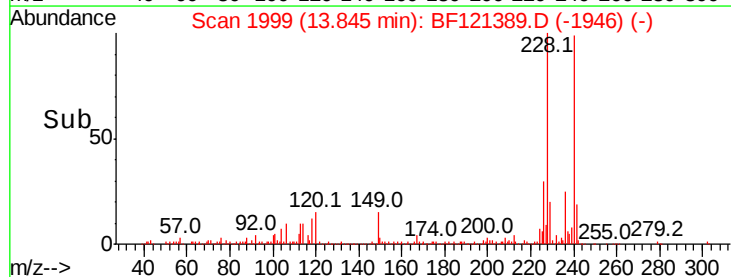
229 20.6 15.8 23.8

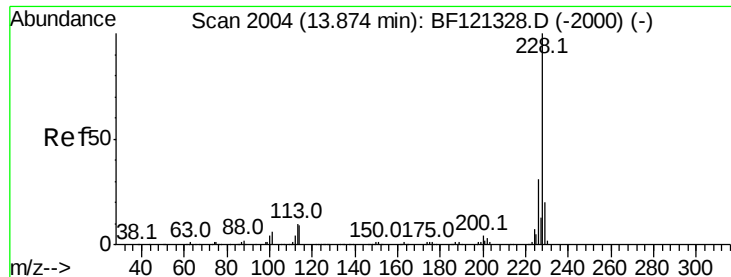


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.914 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

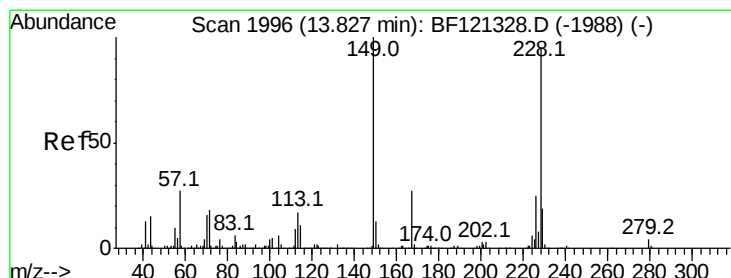
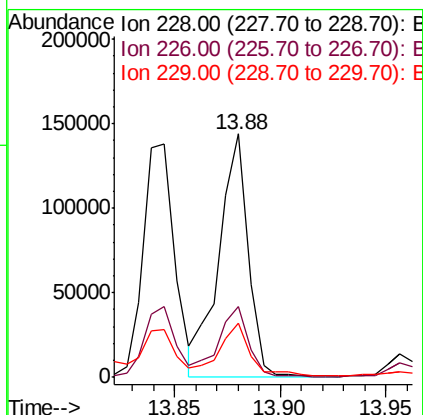
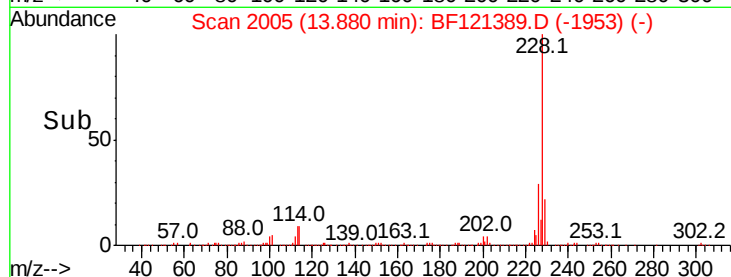
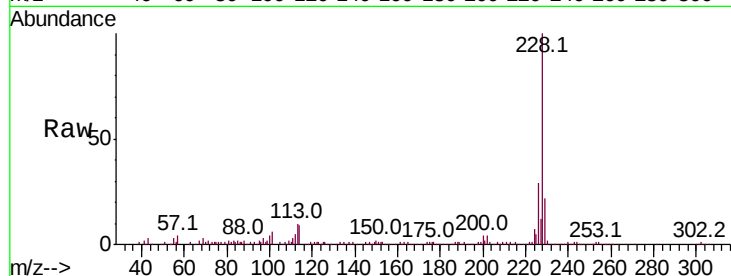
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 137520

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	36.8
229	22.5	15.9	23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.687 ng

RT: 13.83 min Scan# 1997

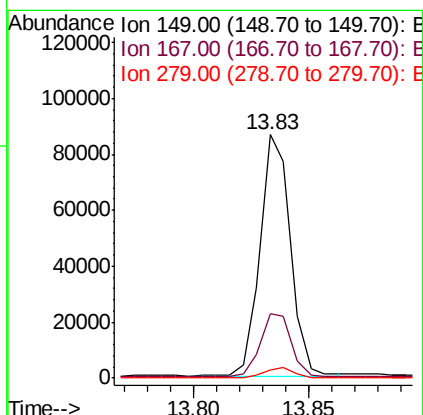
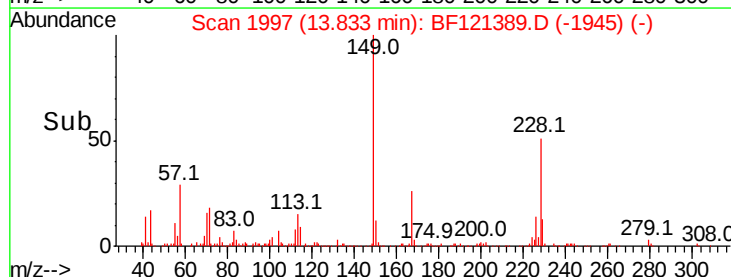
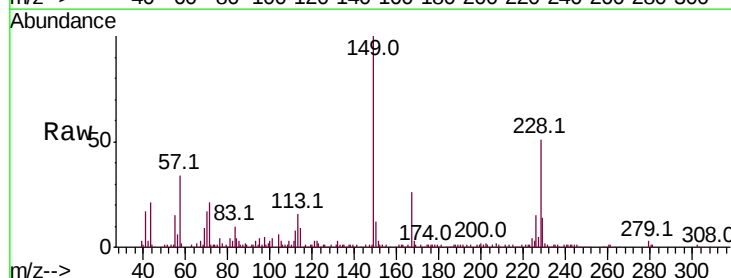
Delta R.T. 0.01 min

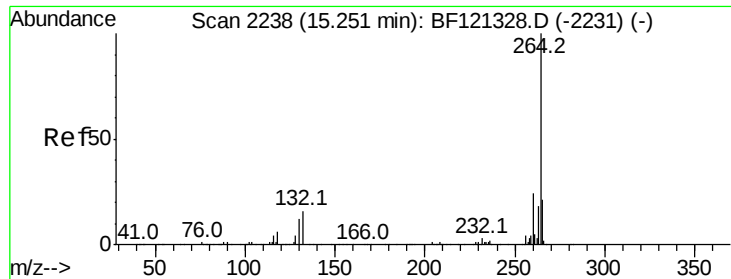
Lab File: BF121389.D

Acq: 22 Aug 2020 2:27

Tgt Ion:149 Resp: 79479

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.5	32.3
279	3.2	2.9	4.3

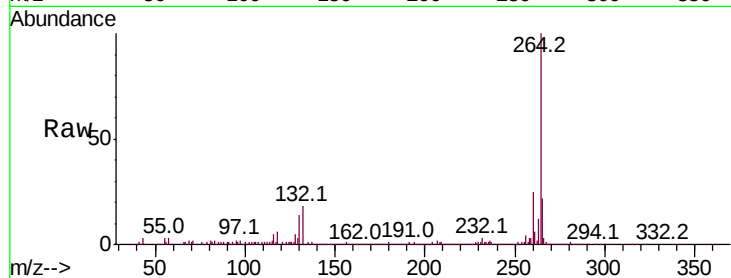




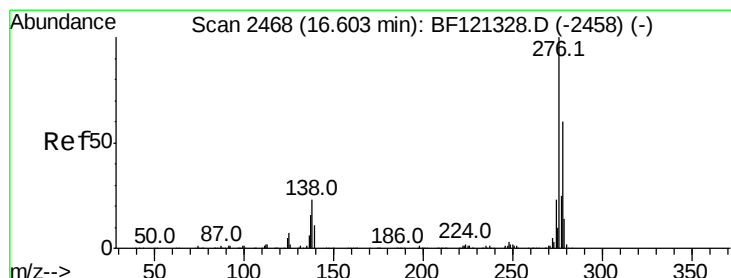
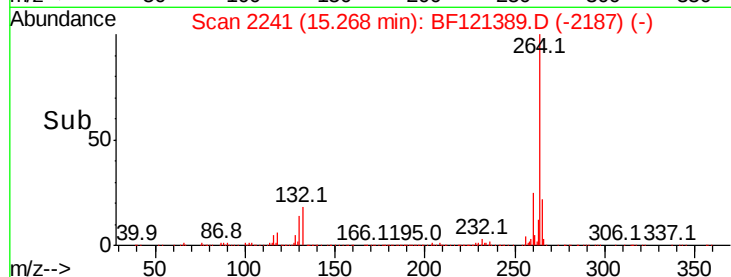
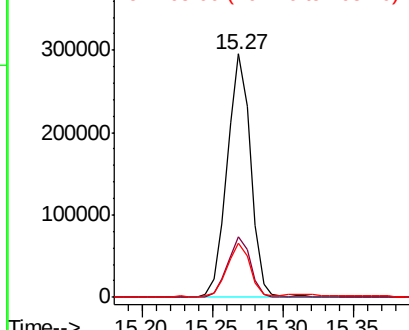
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 338952
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.3 17.1 25.7

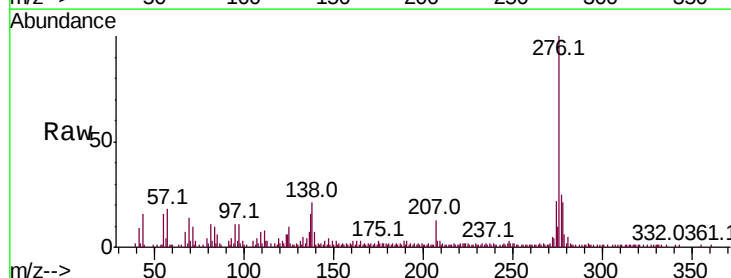


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

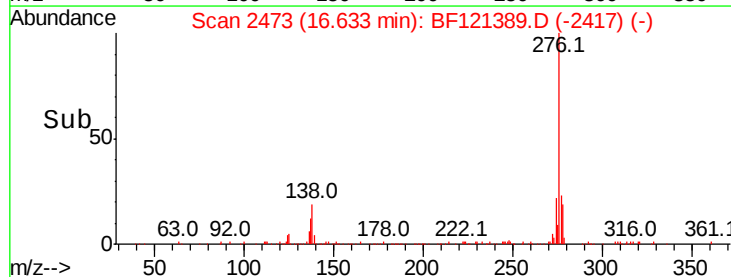
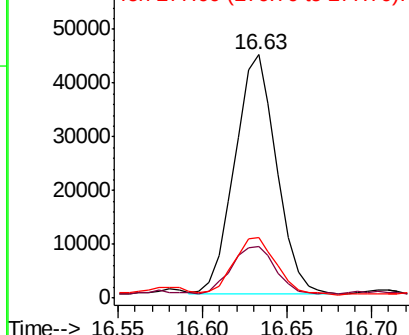


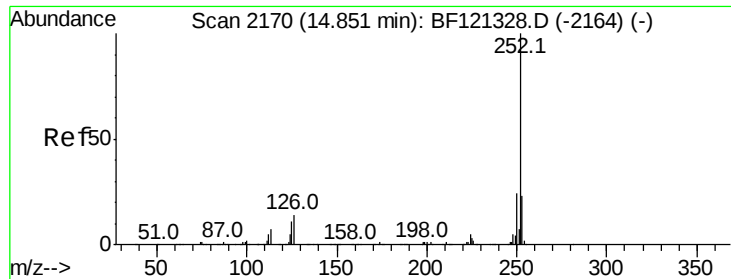
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.713 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.03 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion:276 Resp: 76818
Ion Ratio Lower Upper
276 100
138 20.6 19.4 29.0
277 24.2 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

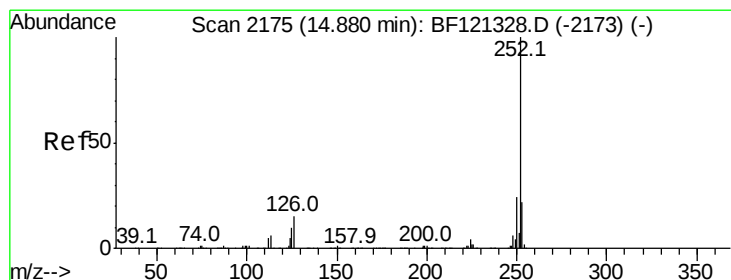
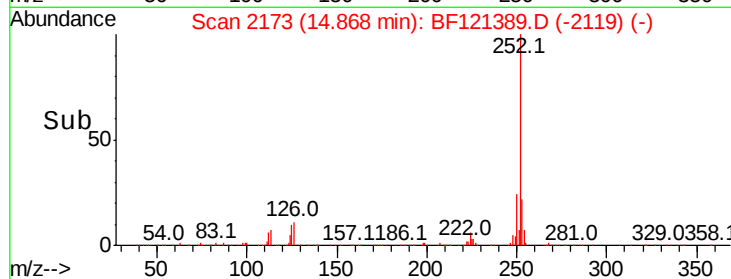
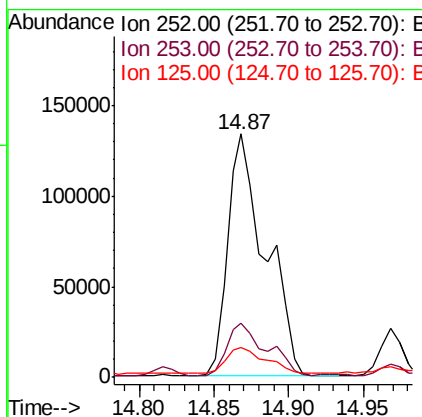
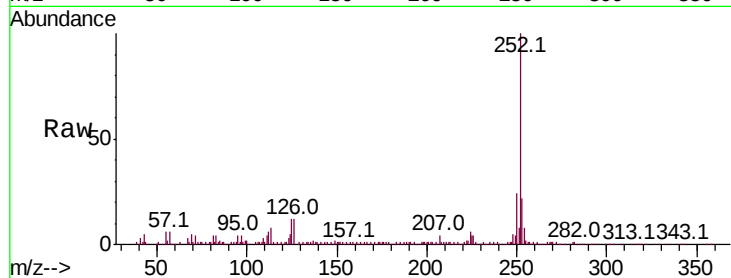




#88
Benzo(b)fluoranthene
Concen: 10.789 ng
RT: 14.87 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

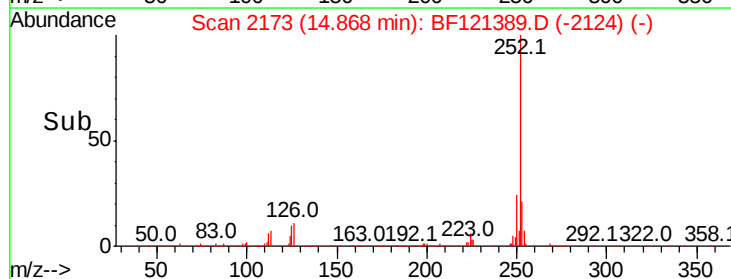
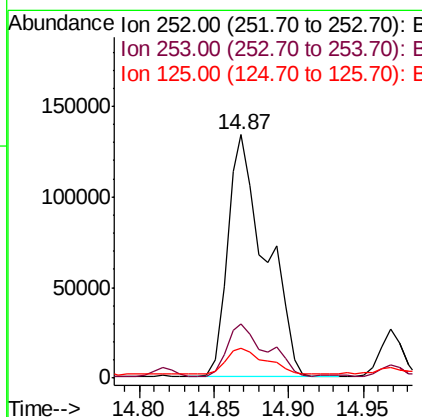
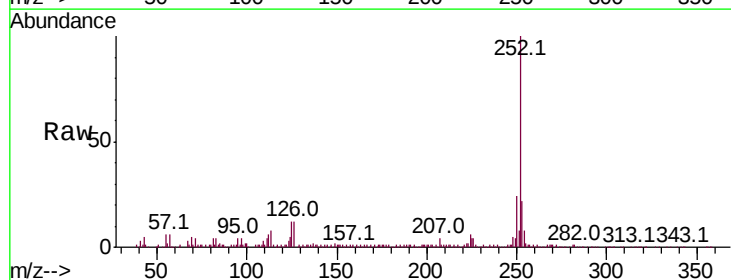
Instrument :
BNA_F
ClientSampleId :

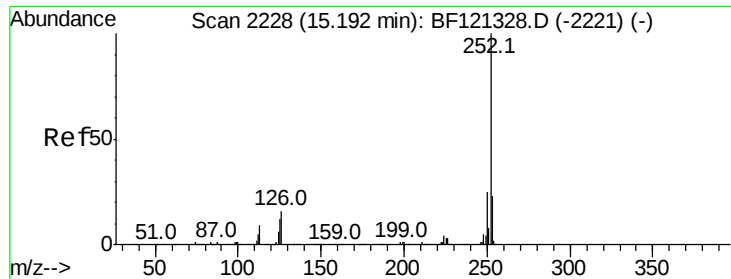
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.0	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 12.257 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.0	8.6	12.8

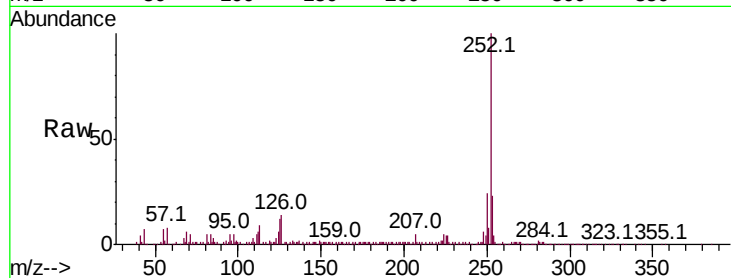




#90
Benzo(a)pyrene
Concen: 6.928 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.4	9.4	14.0

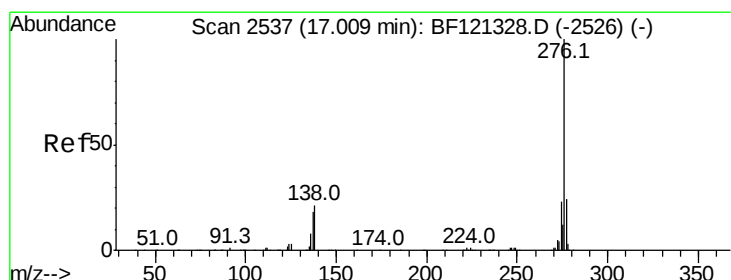
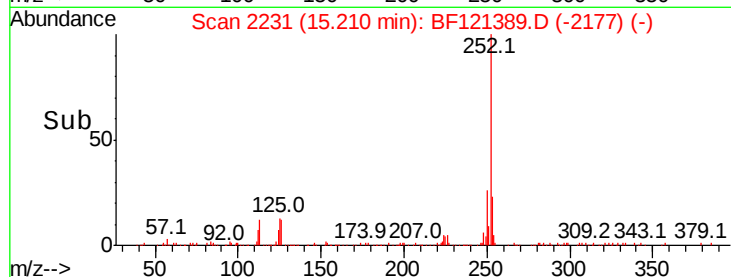
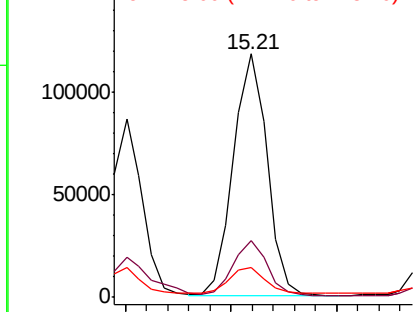


Abundance

Ion 252.00 (251.70 to 252.70): E

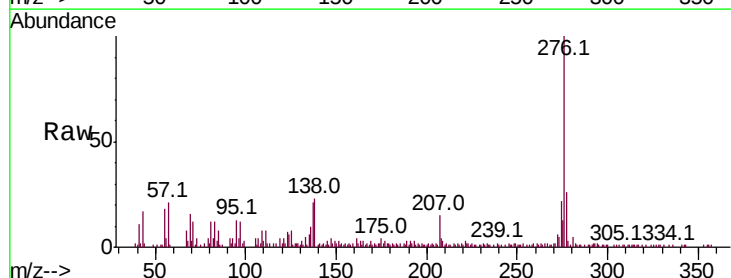
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.391 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.03 min
Lab File: BF121389.D
Acq: 22 Aug 2020 2:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.3	28.9
138	23.1	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

