

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121380.D
 Acq On : 21 Aug 2020 21:51
 Operator : JU/CG
 Sample : L3734-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:35:26 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

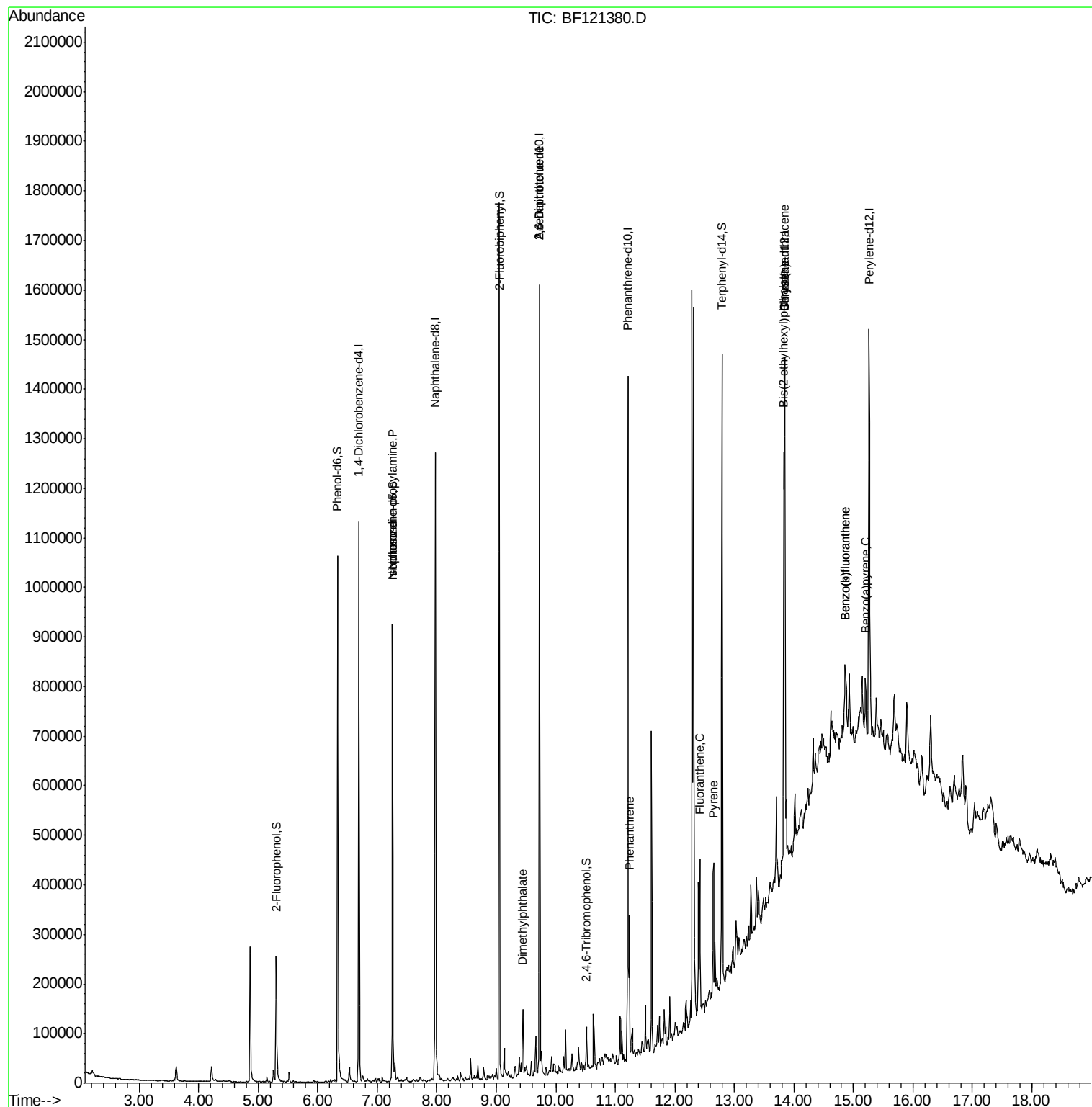
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	160692	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	613920	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	297042	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	499368	20.00	ng	0.00
76) Chrysene-d12	13.84	240	336454	20.00	ng	0.00
86) Perylene-d12	15.26	264	386109	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	91627	9.35	ng	0.00
7) Phenol-d6	6.33	99	369296	29.52	ng	0.00
23) Nitrobenzene-d5	7.26	82	265246	24.44	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	9807	2.83	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	514820	23.99	ng	0.00
79) Terphenyl-d14	12.79	244	386370	22.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	34192	5.082	ng	Qvalue # 77
20) 3+4-Methylphenols	7.14	107	407	Below Cal		# 11
25) Isophorone	7.26	82	260112	13.167	ng	# 65
50) Dimethylphthalate	9.45	163	47318	2.190	ng	100
51) 2,6-Dinitrotoluene	9.73	165	39015	8.453	ng	# 29
55) Dibenzofuran	9.93	168	7732	Below Cal		# 94
57) 2,4-Dinitrotoluene	9.73	165	39015	6.929	ng	# 25
58) Fluorene	10.27	166	10796	Below Cal		97
71) Phenanthrene	11.23	178	95063	3.678	ng	97
75) Fluoranthene	12.42	202	117946	4.205	ng	99
78) Pyrene	12.65	202	108873	4.308	ng	98
81) Benzo(a)anthracene	13.84	228	49172	2.353	ng	91
83) Chrysene	13.84	228	49172	2.301	ng	96
84) Bis(2-ethylhexyl)phthalate	13.83	149	184069	14.413	ng	99
88) Benzo(b)fluoranthene	14.86	252	85734	3.437	ng	# 85
89) Benzo(k)fluoranthene	14.86	252	85734	3.905	ng	# 85
90) Benzo(a)pyrene	15.20	252	45669	2.119	ng	# 83

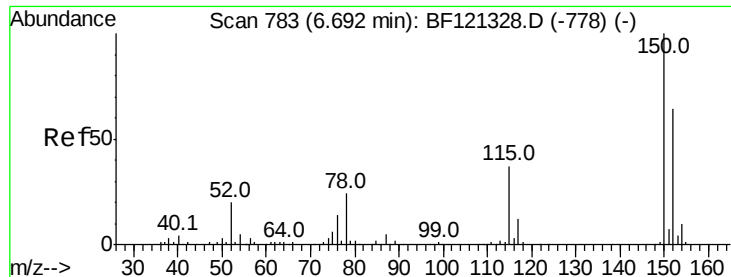
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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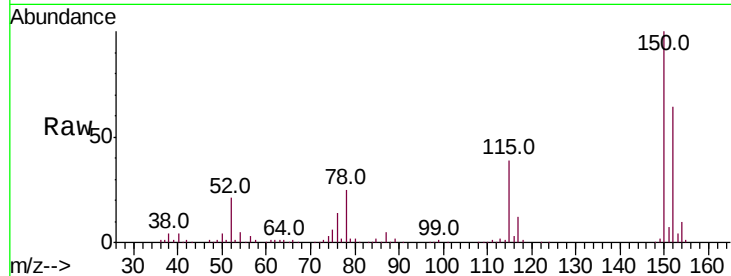


#1

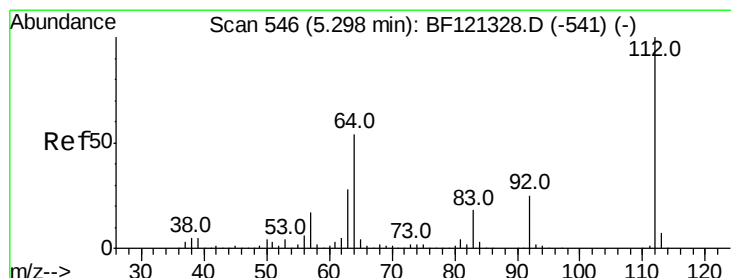
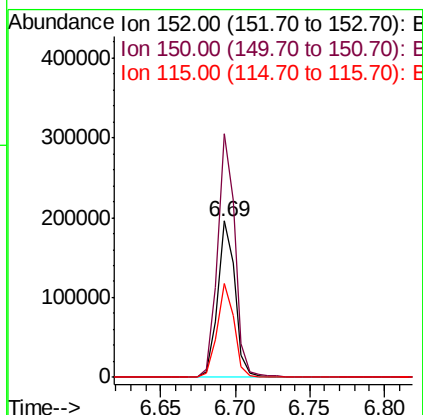
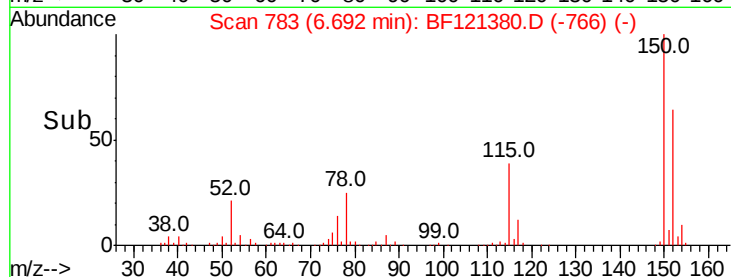
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160692
Ion Ratio Lower Upper
152 100
150 155.7 124.8 187.2
115 59.9 46.1 69.1



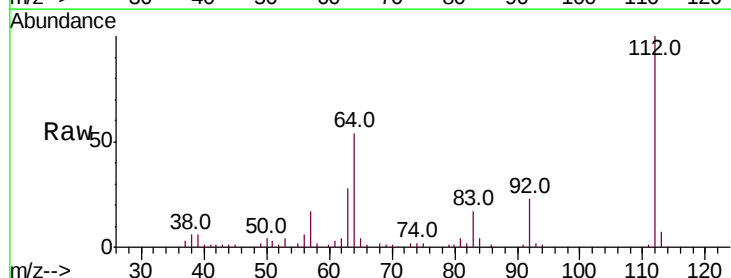
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



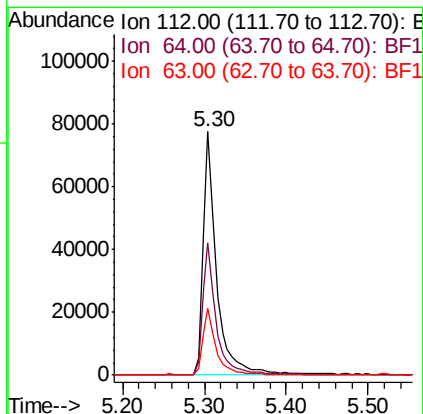
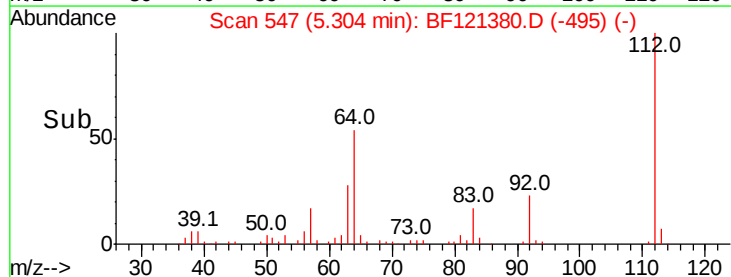
#5

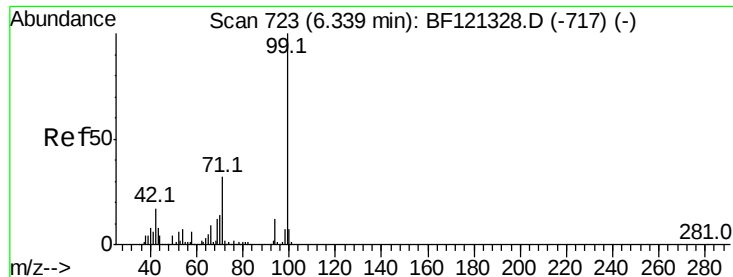
2-Fluorophenol
Concen: 9.350 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Tgt Ion:112 Resp: 91627
Ion Ratio Lower Upper
112 100
64 54.4 43.5 65.3
63 27.8 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: 29.519 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF121380.D

Acq: 21 Aug 2020 21:51

Instrument :

BNA_F

ClientSampled :

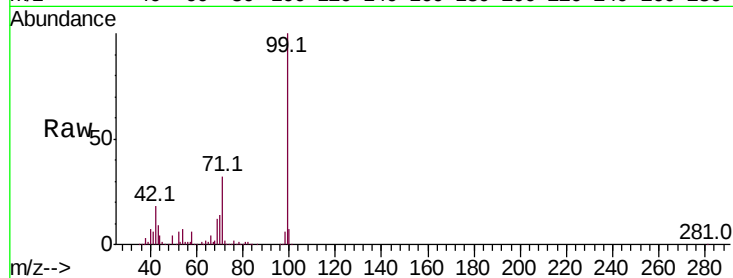
Tot Ion: 99 Resp: 369296

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

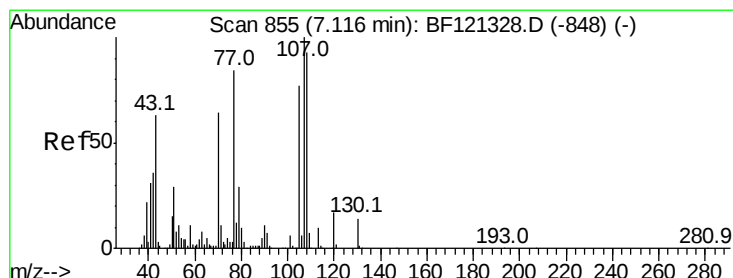
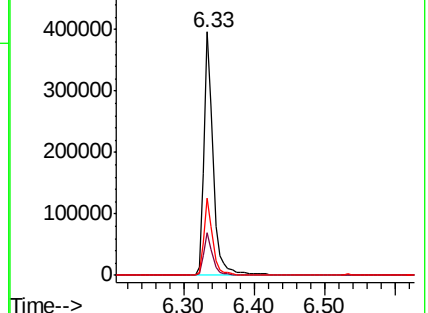
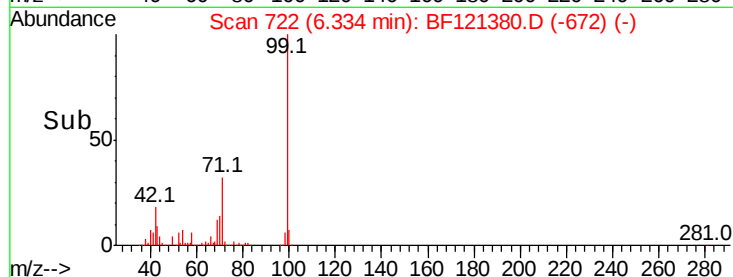
71 31.5 25.2 37.8



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: 5.082 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121380.D

Acq: 21 Aug 2020 21:51

Tgt Ion: 70 Resp: 34192

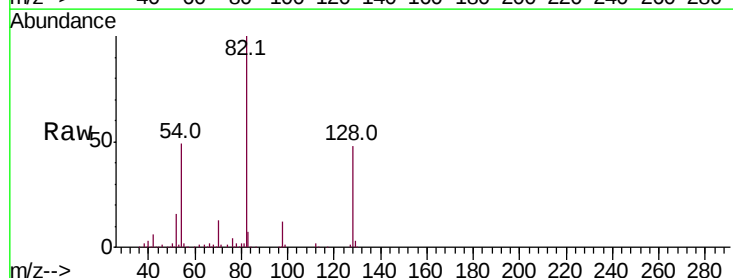
Ion Ratio Lower Upper

70 100

42 45.5 45.2 67.8

101 0.0 7.7 11.5#

130 2.3 17.6 26.4#

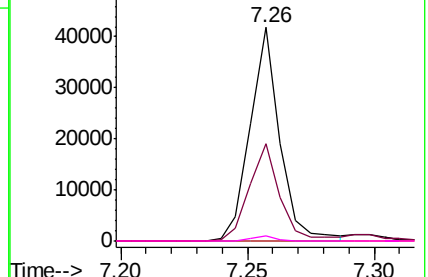
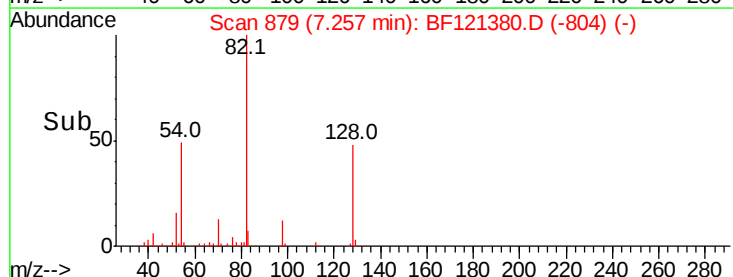


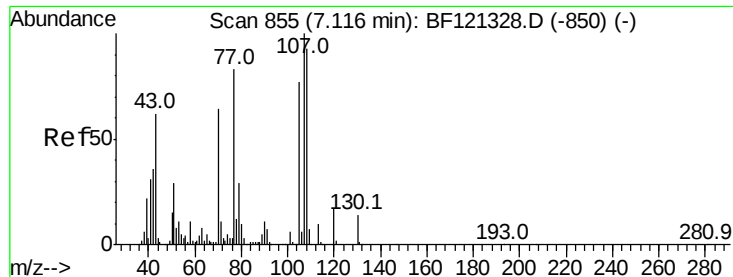
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

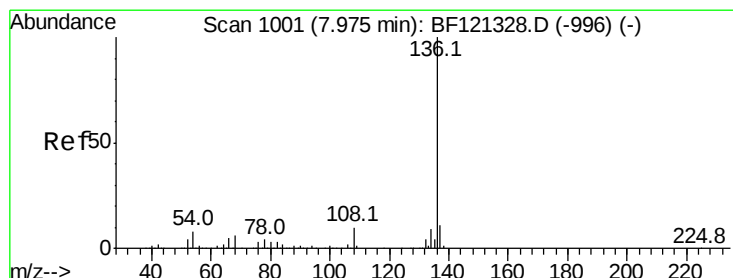
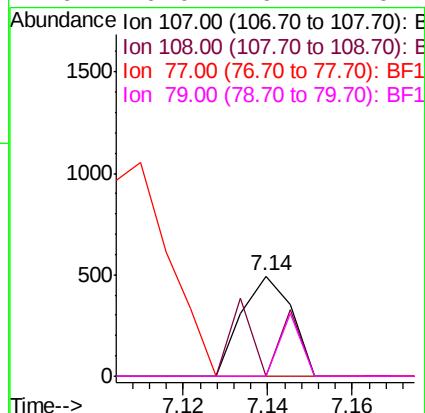
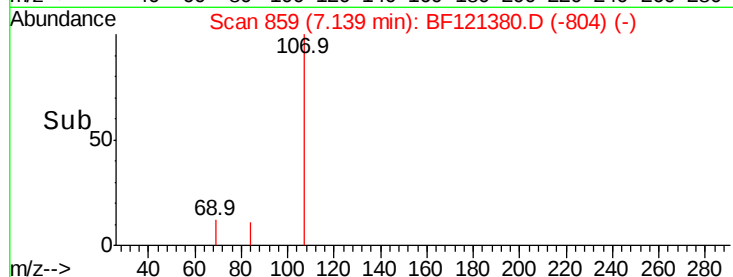
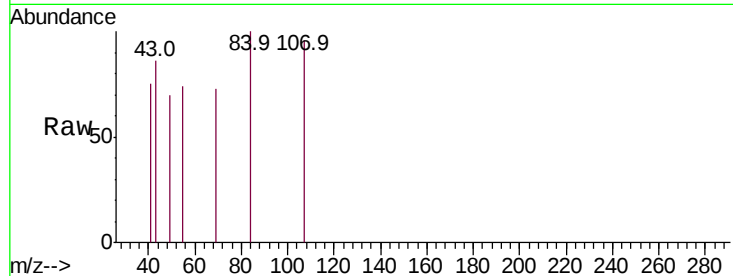




#20
 3+4-Methylphenols
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

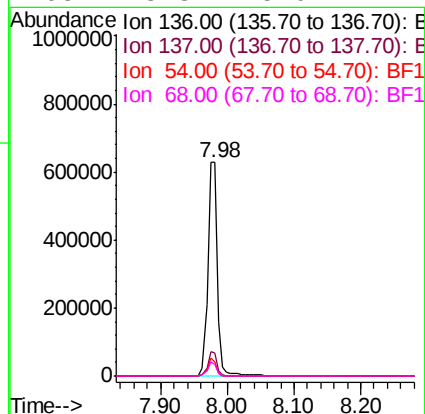
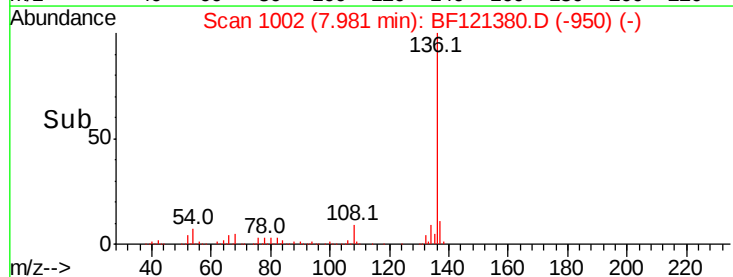
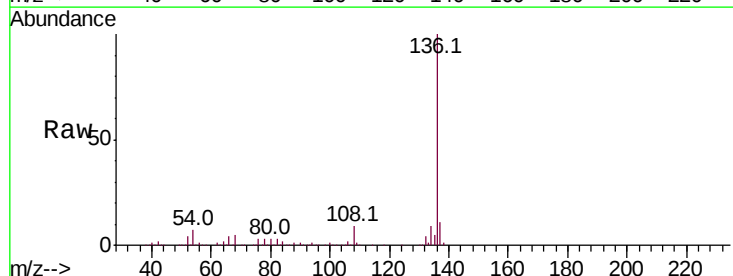
Instrument :
 BNA_F
 ClientSampleId :

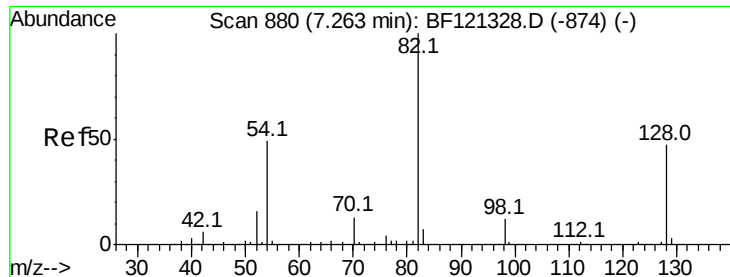
Tot Ion:	107	Resp:	407
Ion	Ratio	Lower	Upper
107	100		
108	0.0	72.6	112.6#
77	0.0	63.8	103.8#
79	0.0	9.1	49.1#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Tgt Ion:	136	Resp:	613920
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.1	9.1
68	5.3	5.0	7.4

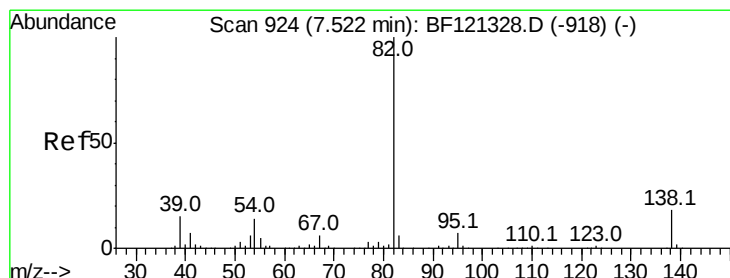
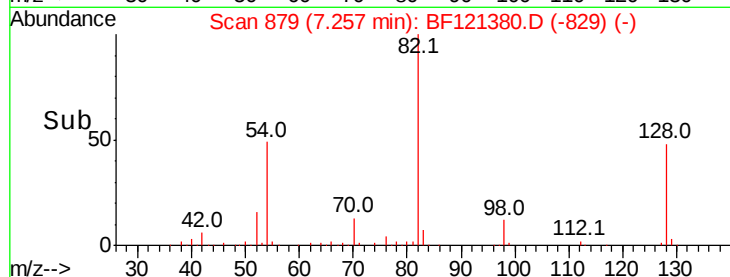
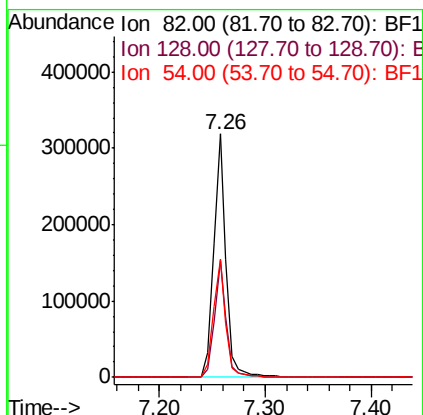
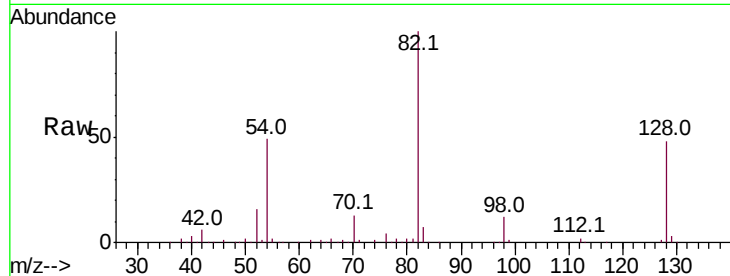




#23
 Nitrobenzene-d5
 Concen: 24.435 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

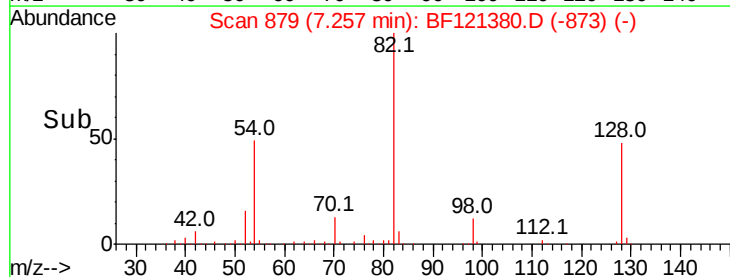
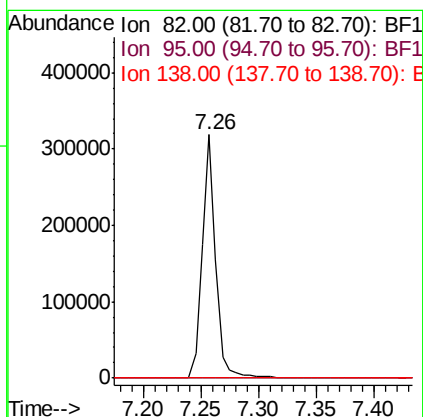
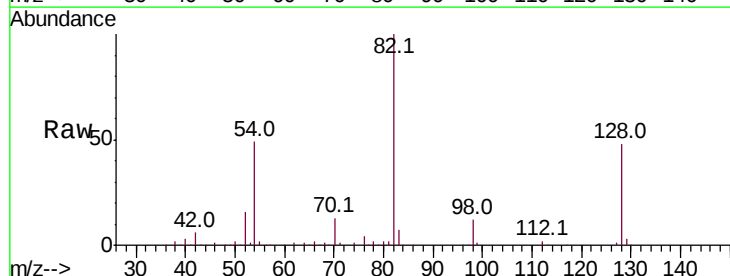
Instrument :
 BNA_F
 ClientSampled :

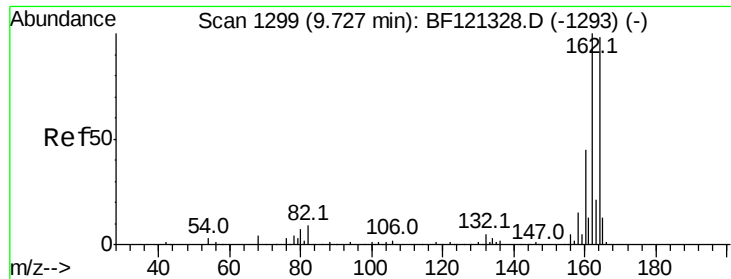
Tot Ion	82	Resp	265246
Ion Ratio	Lower	Upper	
82	100		
128	47.9	37.9	56.9
54	48.7	39.0	58.4



#25
 Isophorone
 Concen: 13.167 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.26 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Tgt Ion	82	Resp	260112
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	14.6	21.8#

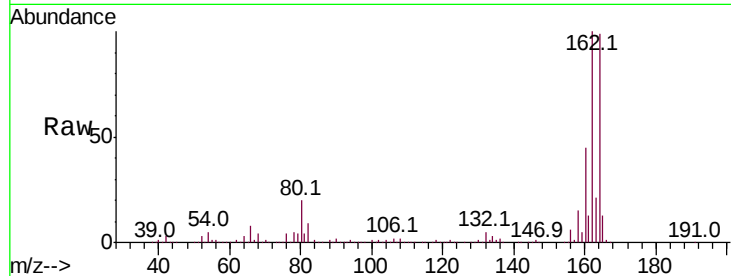




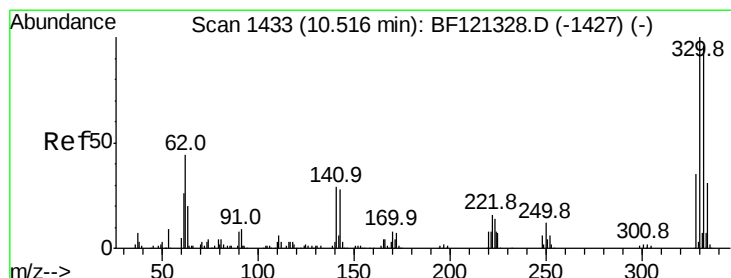
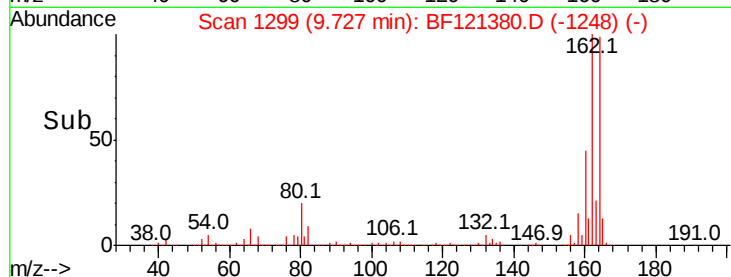
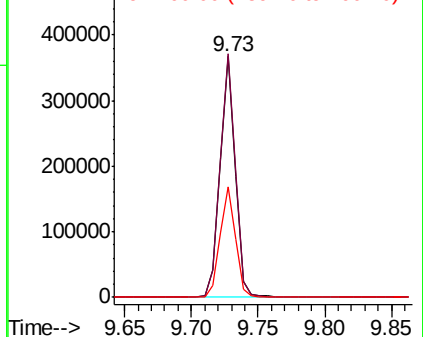
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.7	122.5
160	45.7	37.0	55.4

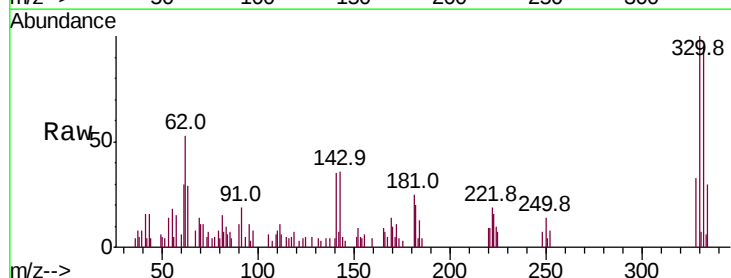


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

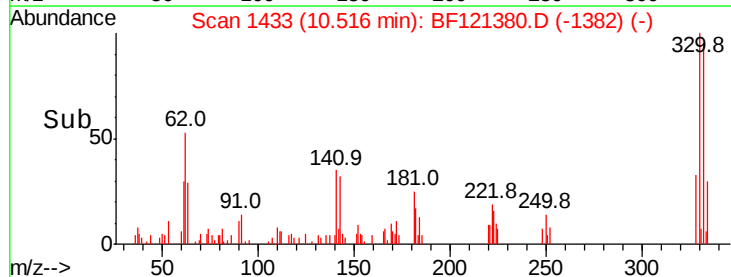
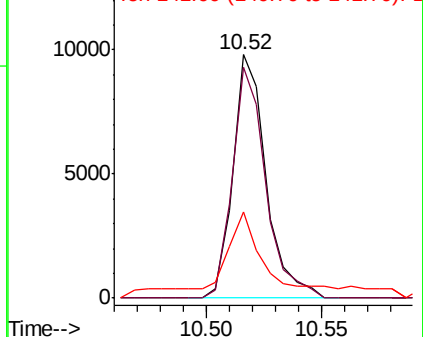


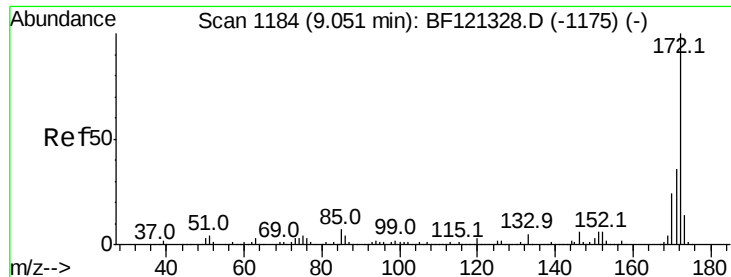
#42
 2,4,6-Tribromophenol
 Concen: 2.833 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.9	115.3
141	46.9	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

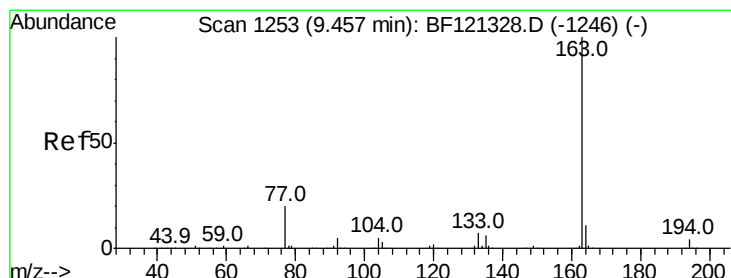
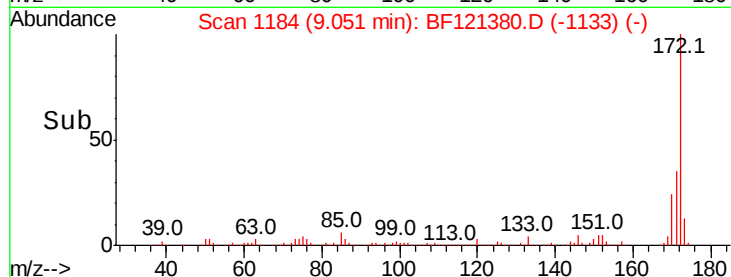
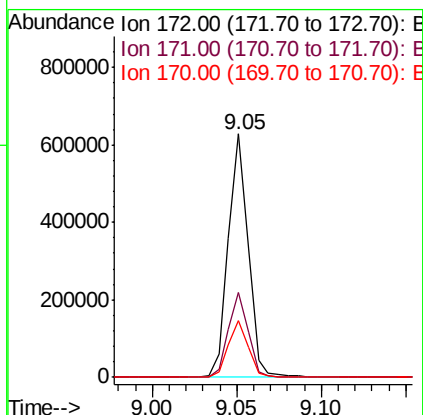
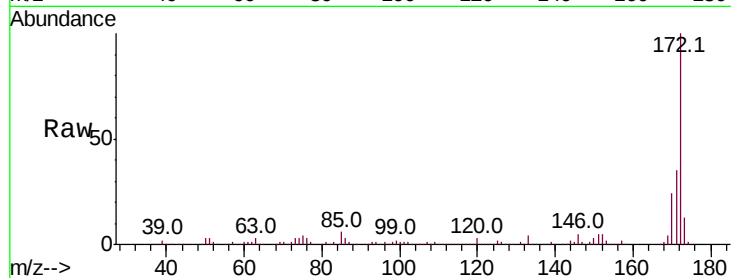




#45
2-Fluorobiphenyl
Concen: 23.993 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

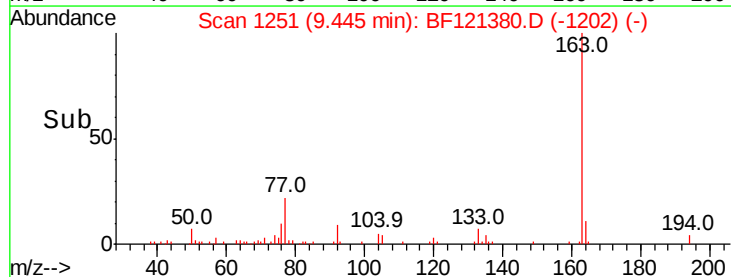
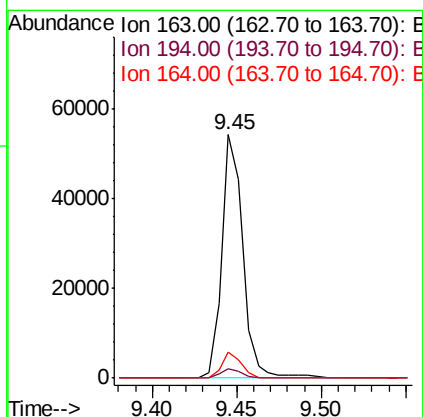
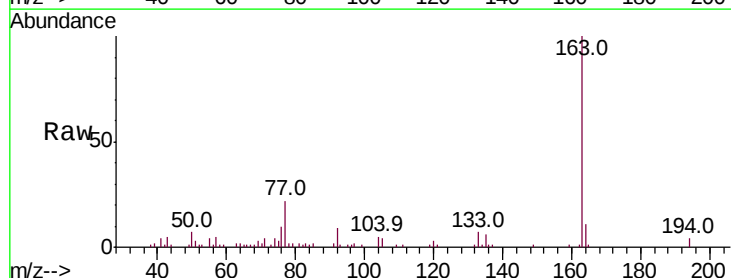
Instrument :
BNA_F
ClientSampleId :

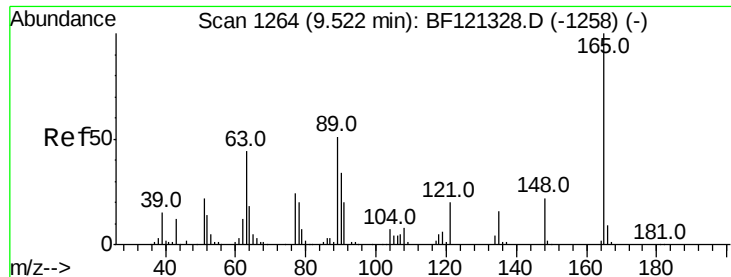
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.6
170	23.6	19.4	29.2



#50
Dimethylphthalate
Concen: 2.190 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.7	8.4	12.6

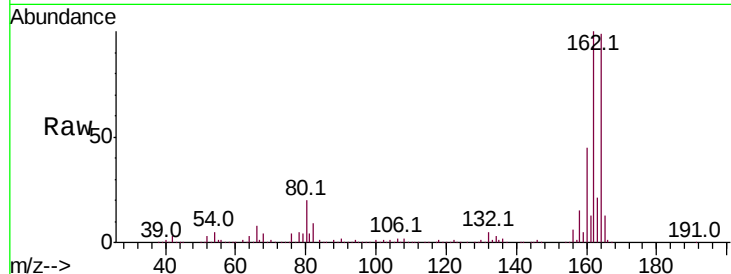




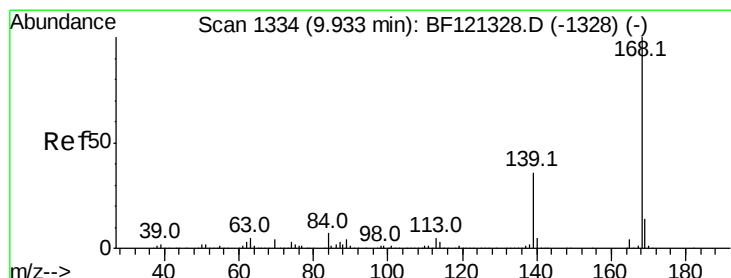
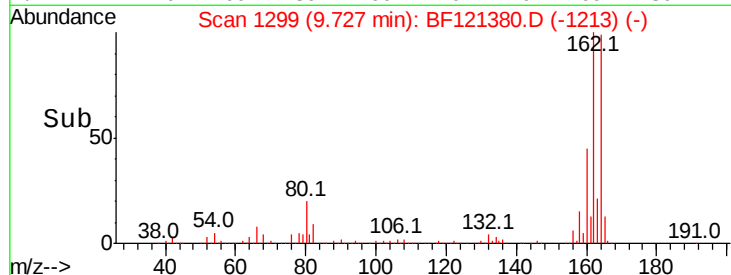
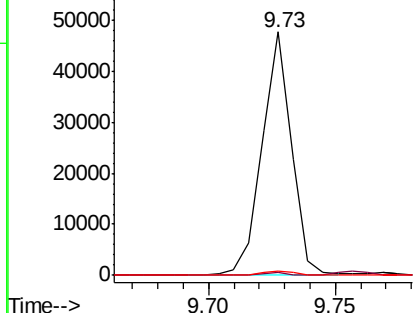
#51
 2,6-Dinitrotoluene
 Concen: 8.453 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.21 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.5	57.7#
89	1.6	41.2	61.8#

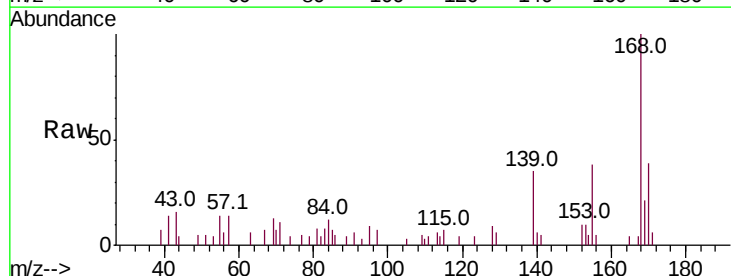


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

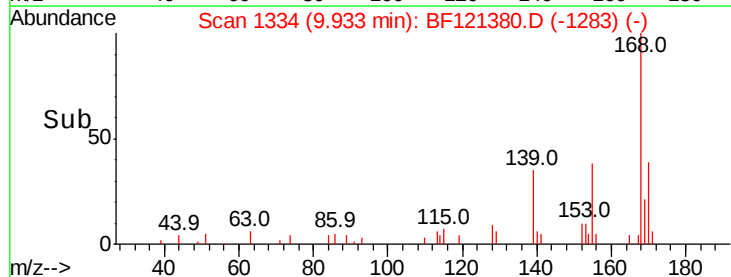
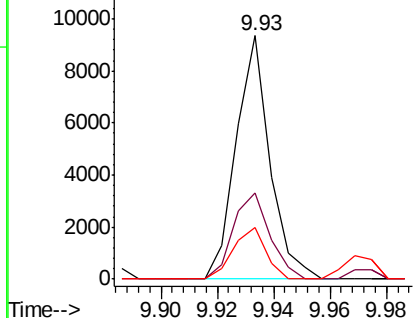


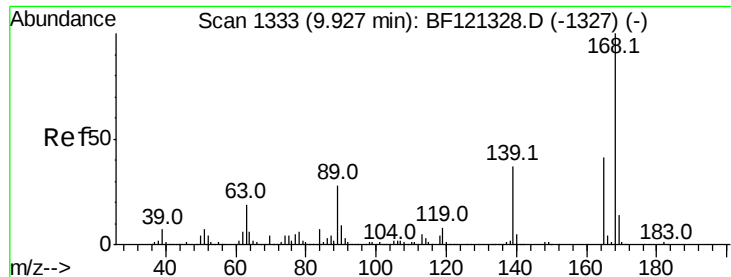
#55
 Dibenzofuran
 Concen: Below Cal
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.1	43.7
169	21.1	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

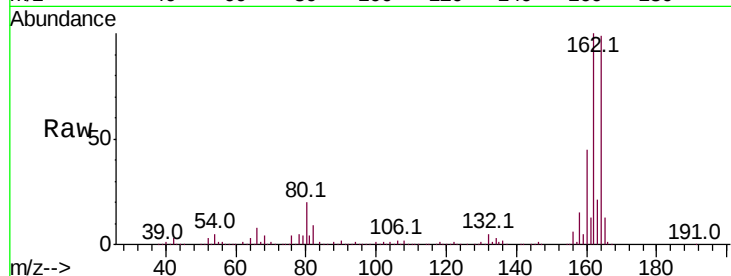




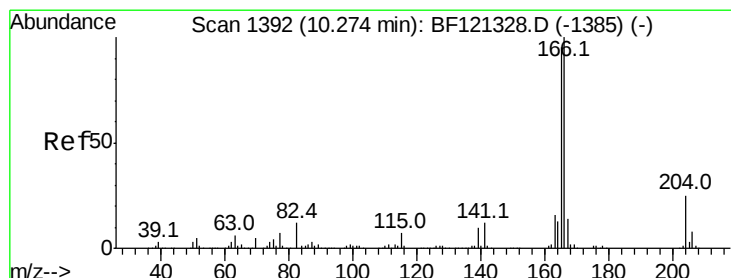
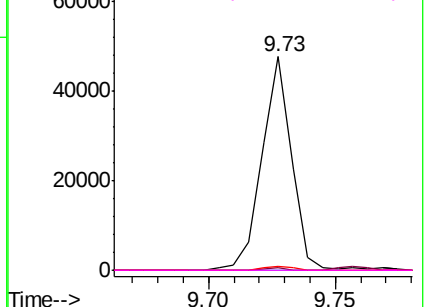
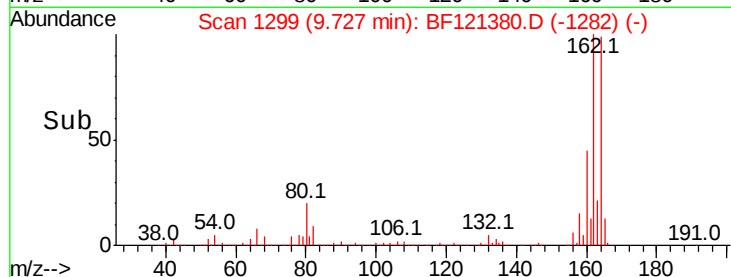
#57
2,4-Dinitrotoluene
Concen: 6.929 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.5	56.3#
89	1.6	54.2	81.4#
182	0.0	2.2	3.4#

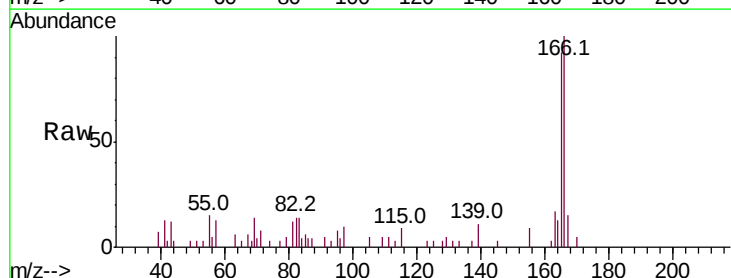


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

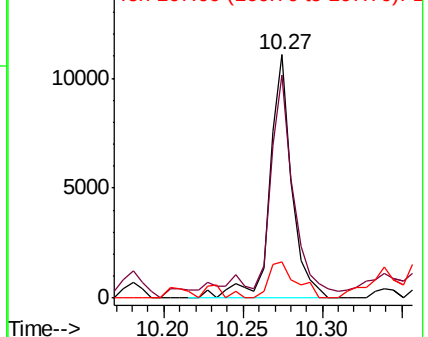
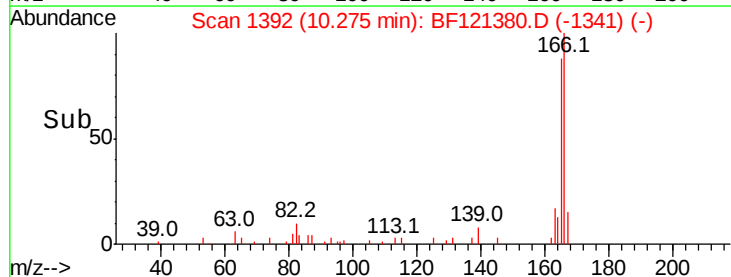


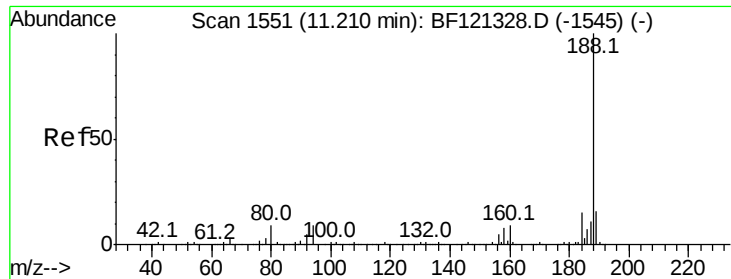
#58
Fluorene
Concen: Below Cal
RT: 10.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.8	75.8	113.8
167	14.9	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

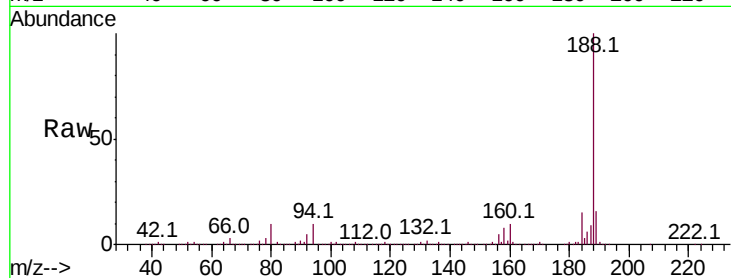




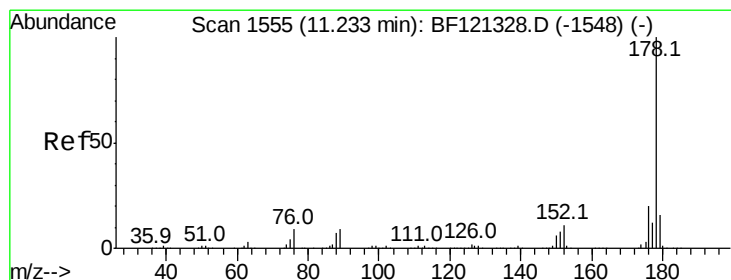
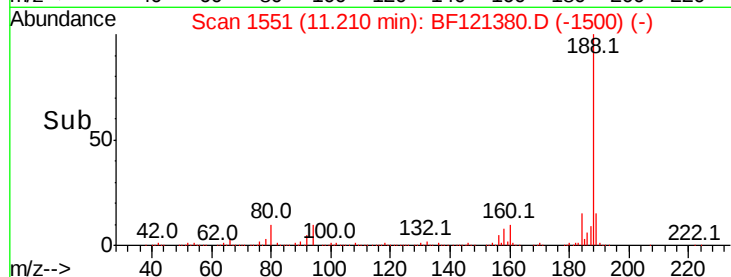
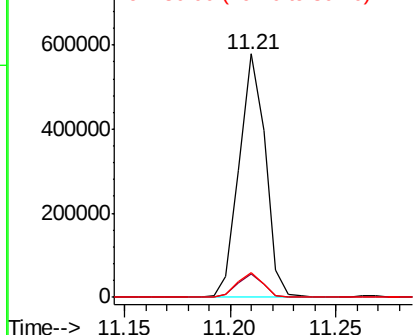
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 499368
Ion Ratio Lower Upper
188 100
94 9.7 7.2 10.8
80 10.2 7.4 11.0

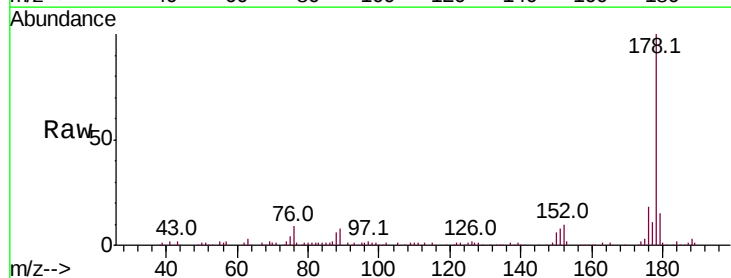


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

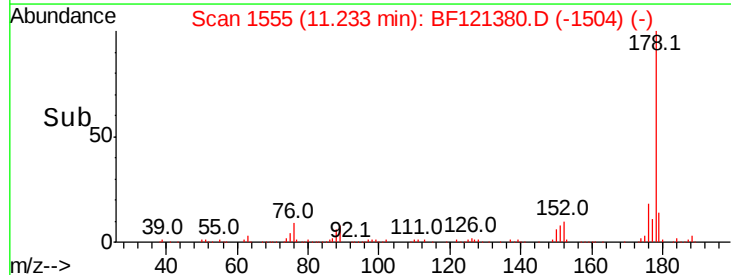
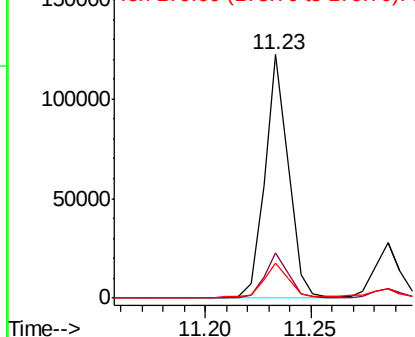


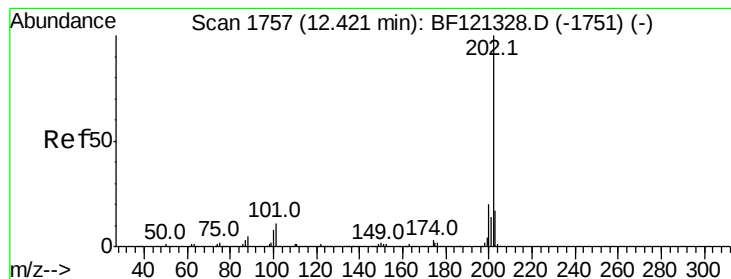
#71
Phenanthrene
Concen: 3.678 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Tgt Ion:178 Resp: 95063
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 14.6 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: 4.205 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121380.D

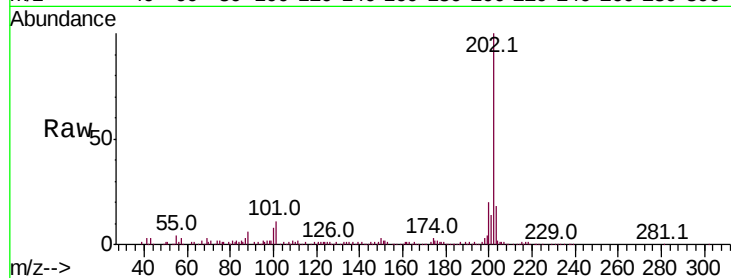
Acq: 21 Aug 2020 21:51

Instrument :

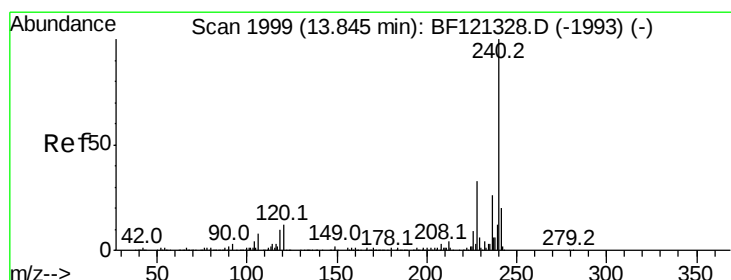
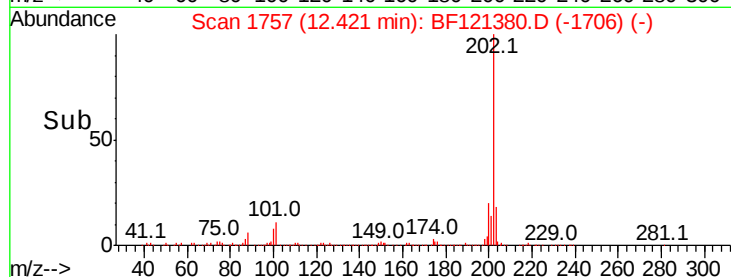
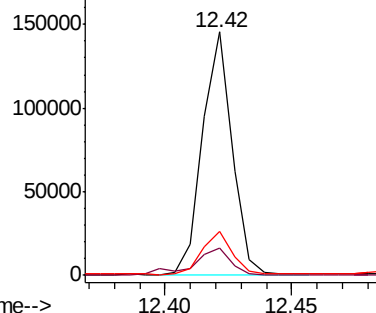
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	117946
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.6
203	18.0	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

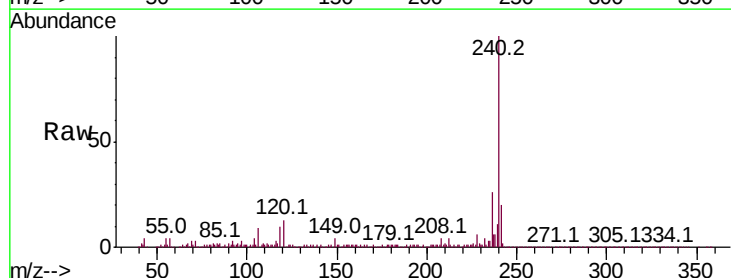
RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

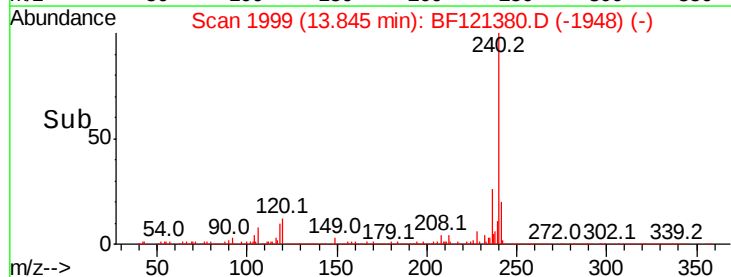
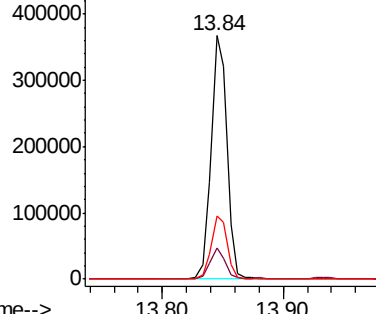
Lab File: BF121380.D

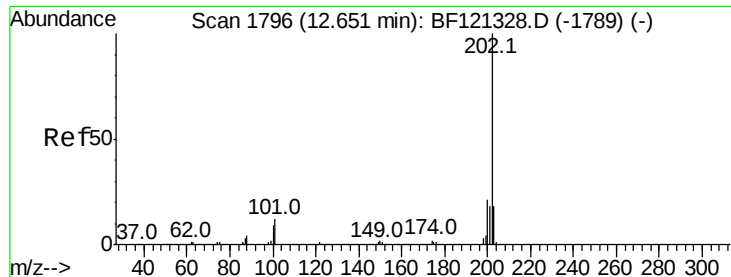
Acq: 21 Aug 2020 21:51

Tgt Ion:	240	Resp:	336454
Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.6	14.4
236	25.8	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

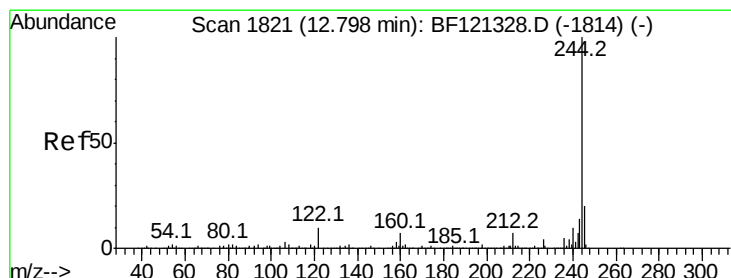
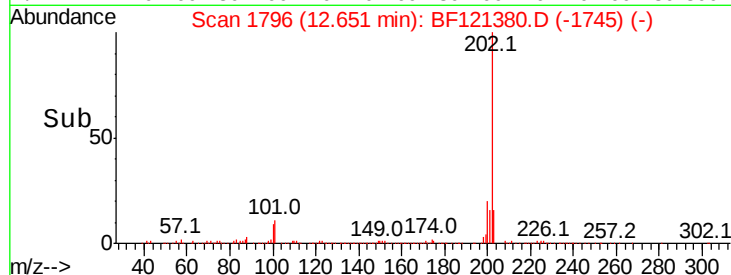
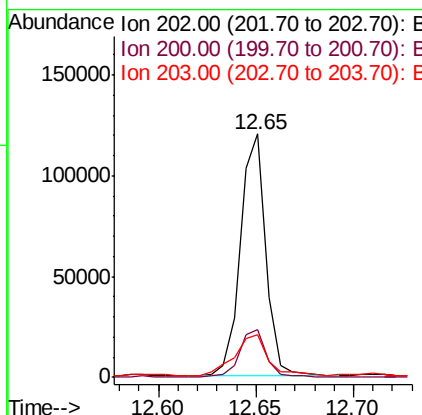
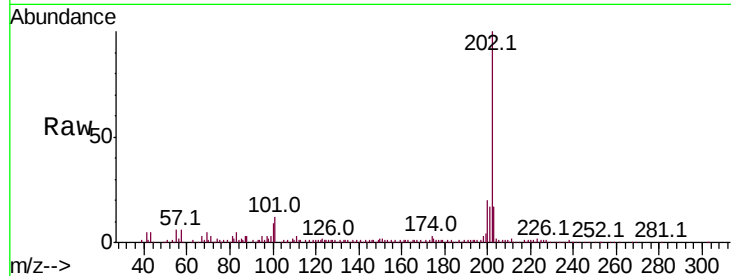




#78
Pvrene
Concen: 4.308 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

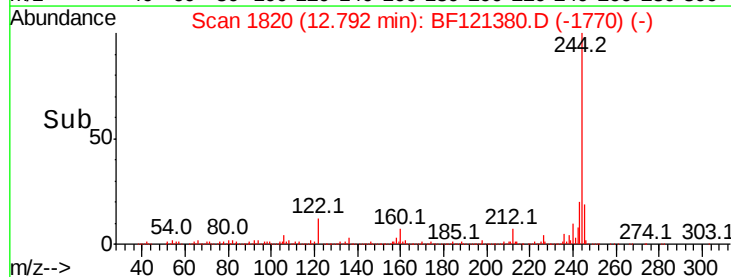
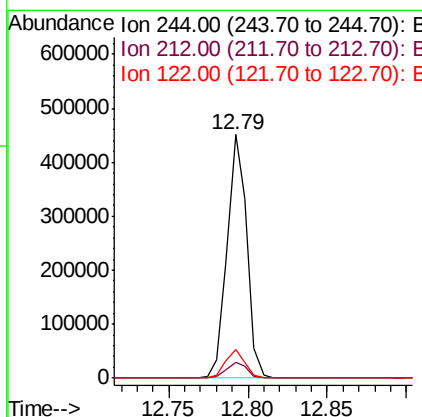
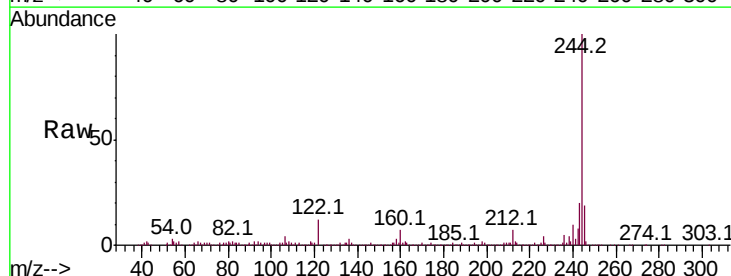
Instrument :
BNA_F
ClientSampleId :

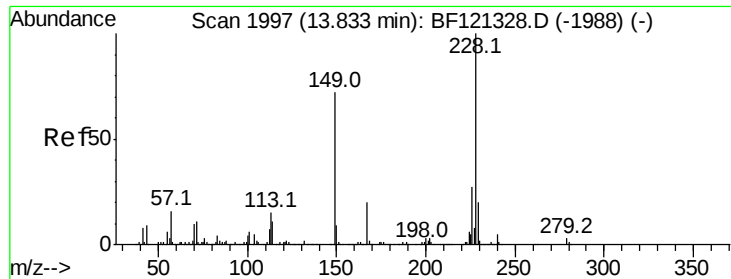
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.6	24.8
203	17.3	14.2	21.2



#79
Terphenyl-d14
Concen: 22.441 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.9	7.8	11.8#





#81

Benzo(a)anthracene

Concen: 2.353 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121380.D

Acq: 21 Aug 2020 21:51

Instrument :

BNA_F

ClientSampleId :

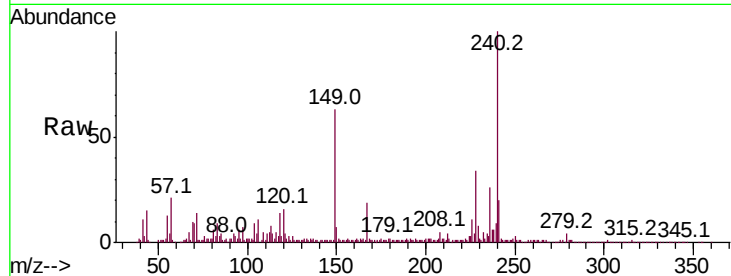
Tot Ion:228 Resp: 49172

Ion Ratio Lower Upper

228 100

226 31.9 21.8 32.6

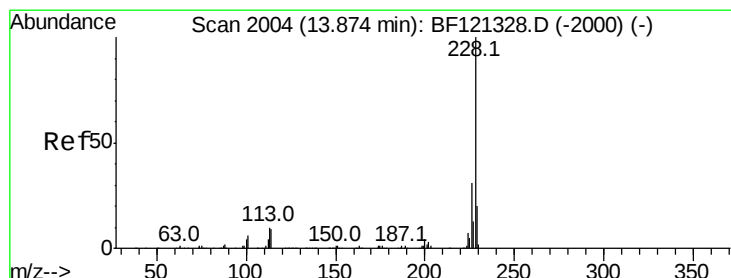
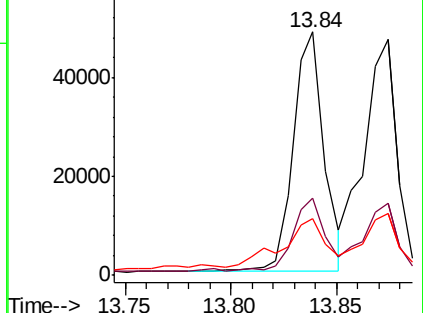
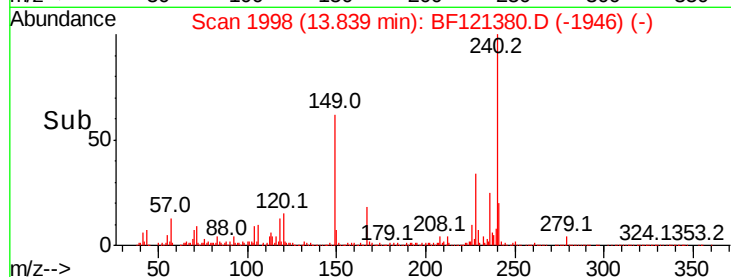
229 23.5 15.8 23.8



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: 2.301 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF121380.D

Acq: 21 Aug 2020 21:51

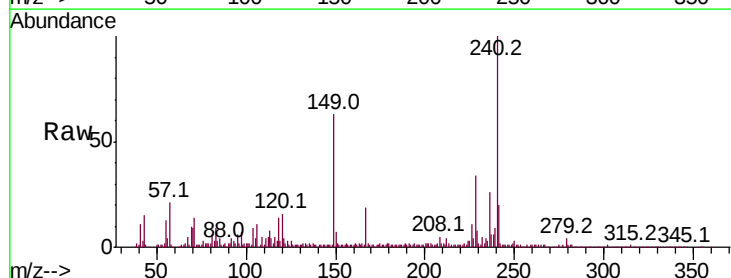
Tgt Ion:228 Resp: 49172

Ion Ratio Lower Upper

228 100

226 31.9 24.6 36.8

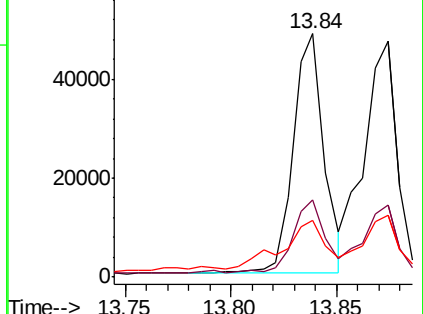
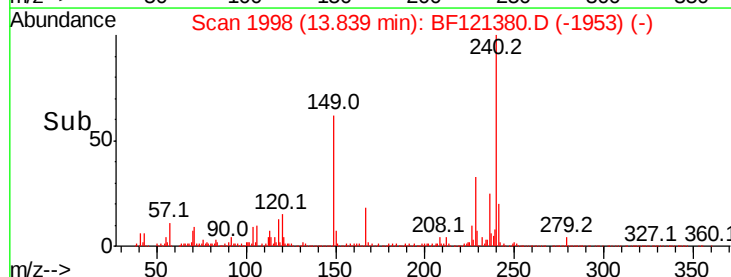
229 23.5 15.9 23.9

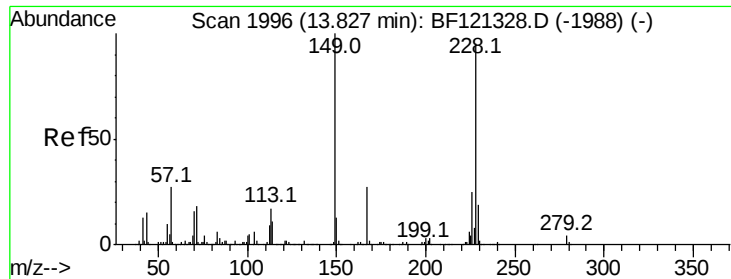


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.413 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF121380.D

Acq: 21 Aug 2020 21:51

Instrument :

BNA_F

ClientSampleId :

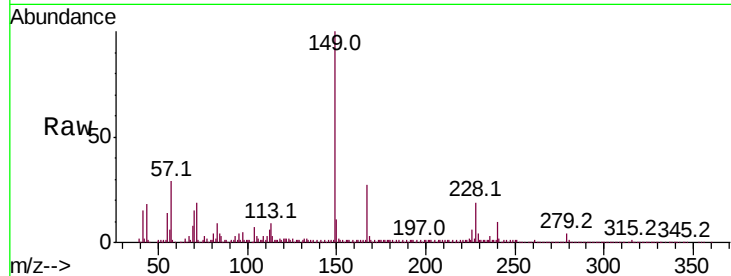
Tot Ion:149 Resp: 184069

Ion Ratio Lower Upper

149 100

167 27.4 21.5 32.3

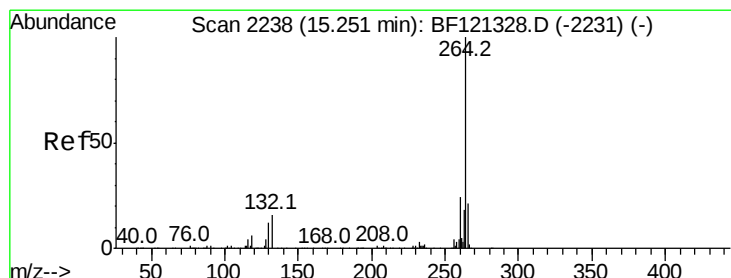
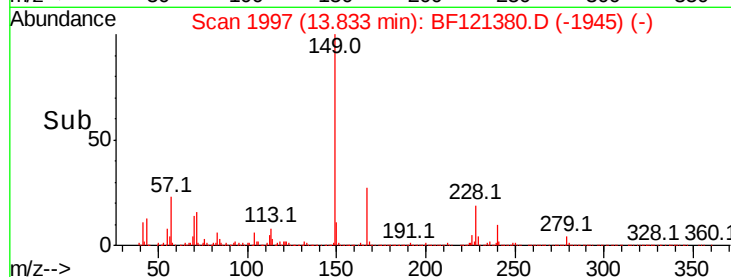
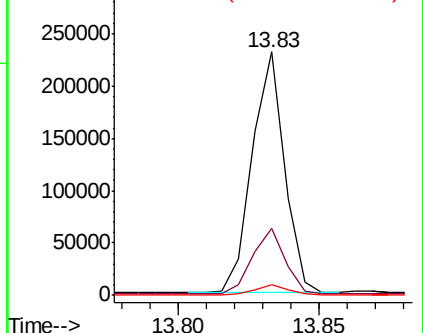
279 4.2 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF121380.D

Acq: 21 Aug 2020 21:51

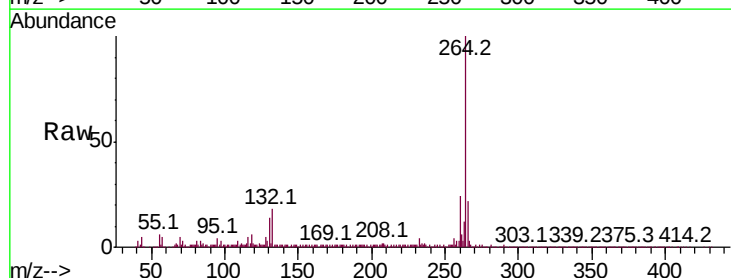
Tgt Ion:264 Resp: 386109

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

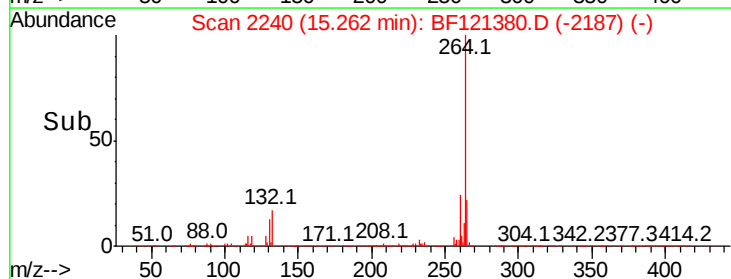
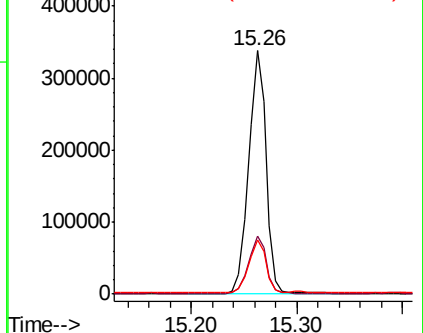
265 22.1 17.1 25.7

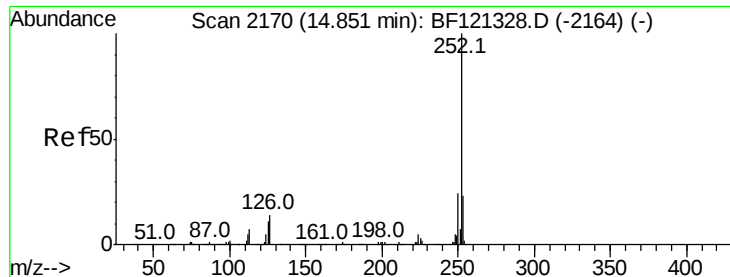


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

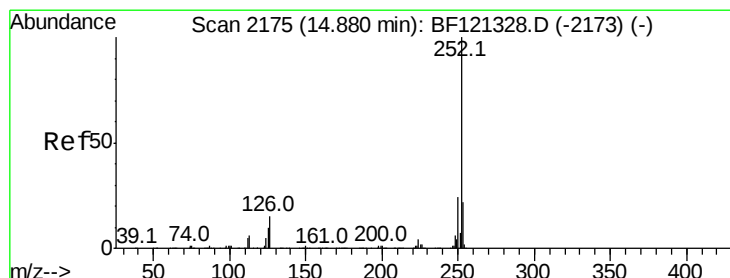
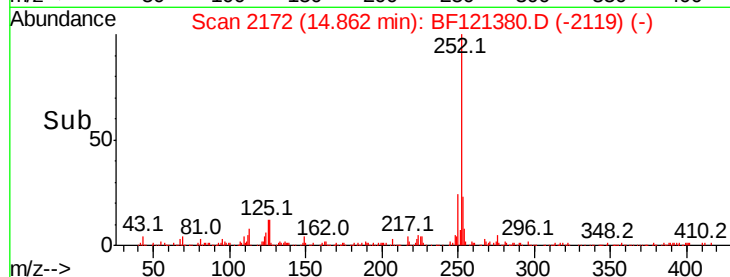
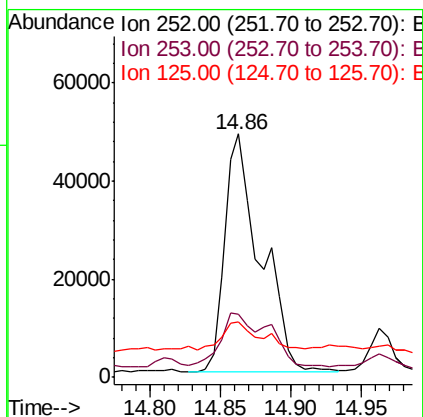
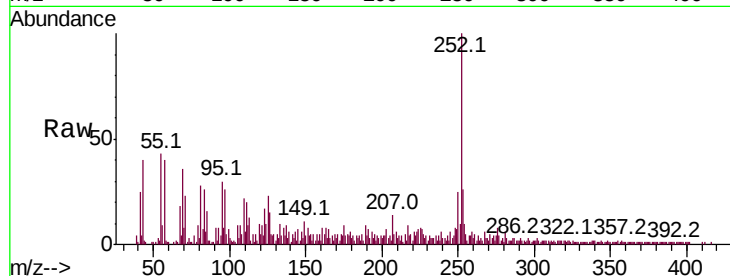




#88
Benzo(b)fluoranthene
Concen: 3.437 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

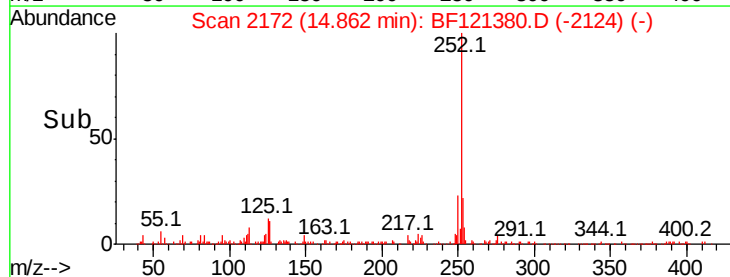
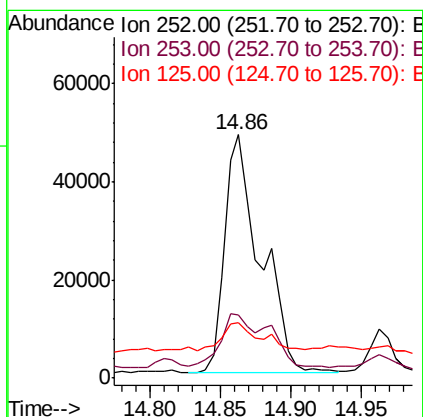
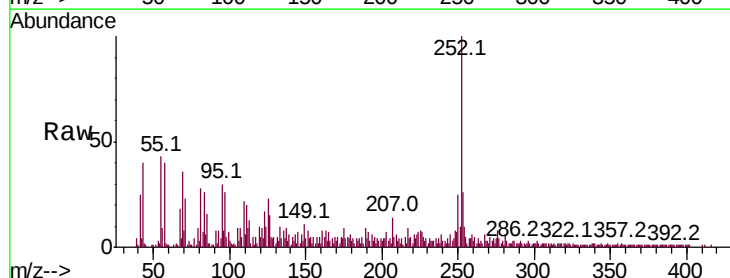
Instrument :
BNA_F
ClientSampleId :

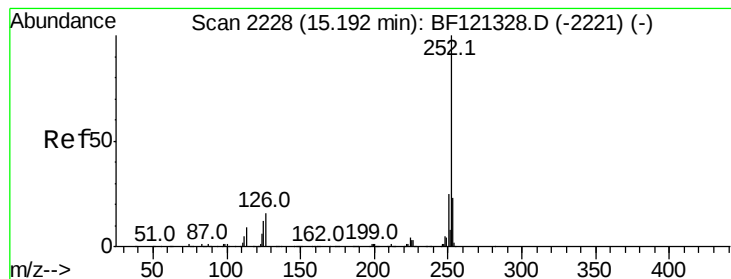
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.0	27.0
125	22.6	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 3.905 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121380.D
Acq: 21 Aug 2020 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	22.6	8.6	12.8#

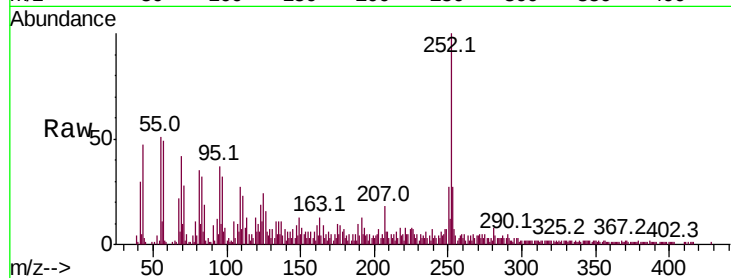




#90
 Benzo(a)pyrene
 Concen: 2.119 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. 0.01 min
 Lab File: BF121380.D
 Acq: 21 Aug 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.0	27.0#
125	23.8	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

