

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121381.D
 Acq On : 21 Aug 2020 22:22
 Operator : JU/CG
 Sample : L3734-04 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:35:34 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

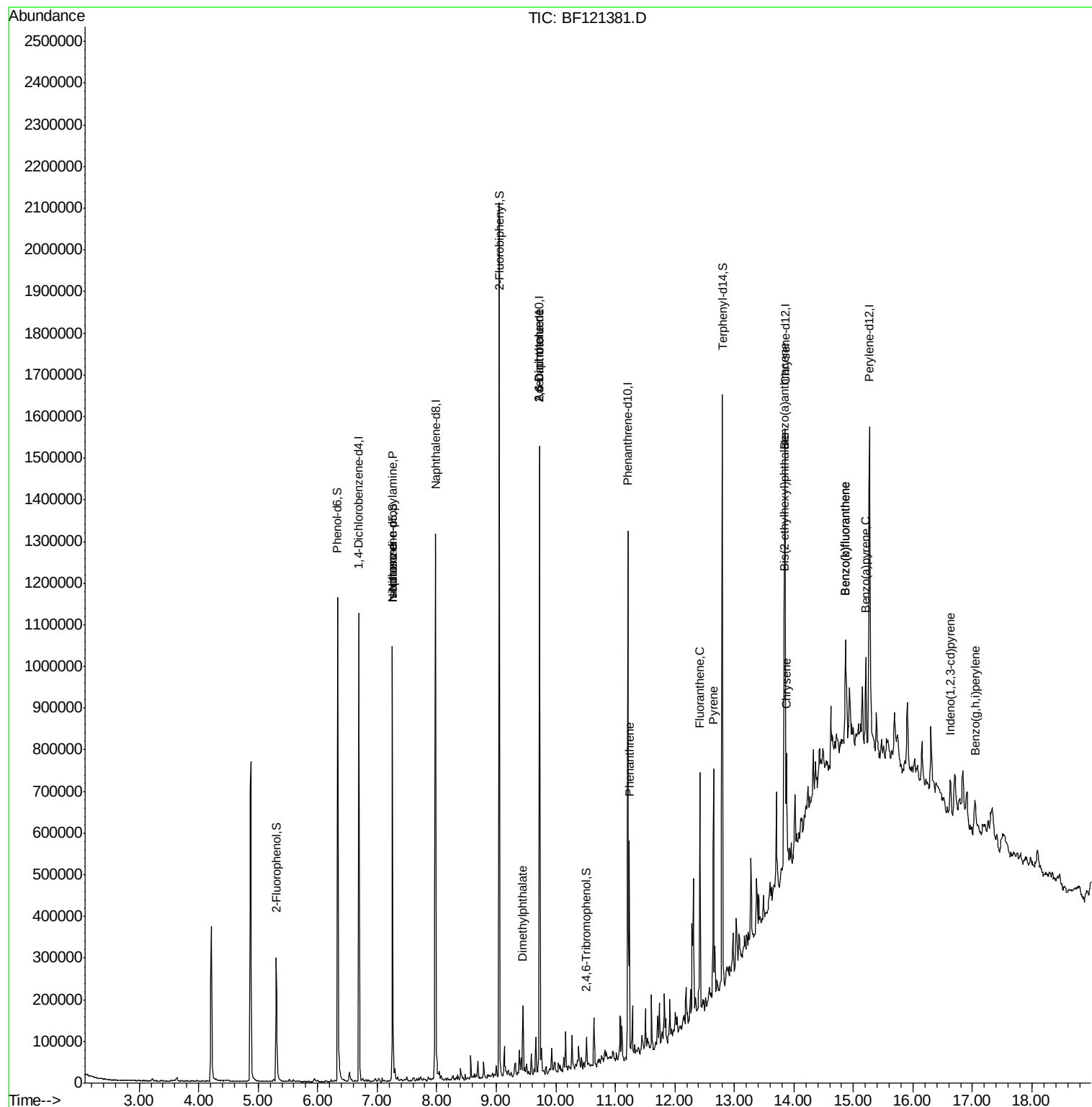
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	163613	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	621020	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	300362	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	500827	20.00	ng	0.00
76) Chrysene-d12	13.85	240	336914	20.00	ng	0.00
86) Perylene-d12	15.27	264	377437	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	104421	10.47	ng	0.00
7) Phenol-d6	6.33	99	446838	35.08	ng	0.00
23) Nitrobenzene-d5	7.26	82	323296	29.44	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	7078	2.02	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	605626	30.40	ng	0.00
79) Terphenyl-d14	12.80	244	450626	26.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	42875	6.259	ng	Qvalue # 81
25) Isophorone	7.26	82	316897	15.858	ng	# 65
50) Dimethylphthalate	9.45	163	59775	2.735	ng	100
51) 2,6-Dinitrotoluene	9.73	165	39705	8.508	ng	# 29
55) Dibenzofuran	9.93	168	14358	Below Cal		# 96
57) 2,4-Dinitrotoluene	9.73	165	39705	6.974	ng	# 25
58) Fluorene	10.27	166	20938	Below Cal		96
61) 4-Chlorophenyl-phenylether	10.10	204	108	Below Cal		# 30
71) Phenanthrene	11.23	178	169896	6.555	ng	99
75) Fluoranthene	12.42	202	224159	7.967	ng	98
78) Pyrene	12.65	202	211899	8.373	ng	100
81) Benzo(a)anthracene	13.84	228	109621	5.238	ng	95
83) Chrysene	13.87	228	99387	4.644	ng	97
84) Bis(2-ethylhexyl)phthalate	13.83	149	82954	6.487	ng	99
87) Indeno(1,2,3-cd)pyrene	16.63	276	55361	2.403	ng	97
88) Benzo(b)fluoranthene	14.87	252	171667	7.040	ng	# 88
89) Benzo(k)fluoranthene	14.87	252	171667	7.998	ng	# 88
90) Benzo(a)pyrene	15.21	252	92991	4.414	ng	# 91
92) Benzo(a,h,i)perylene	17.04	276	54484	2.950	ng	# 89

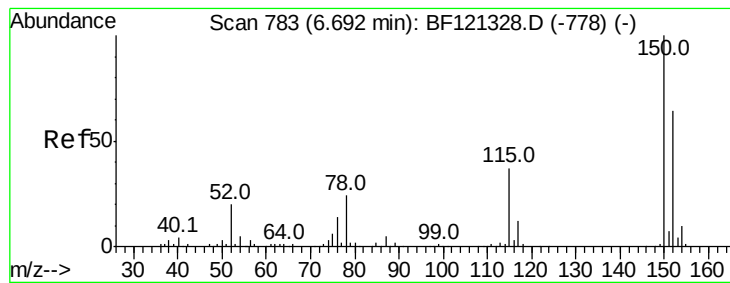
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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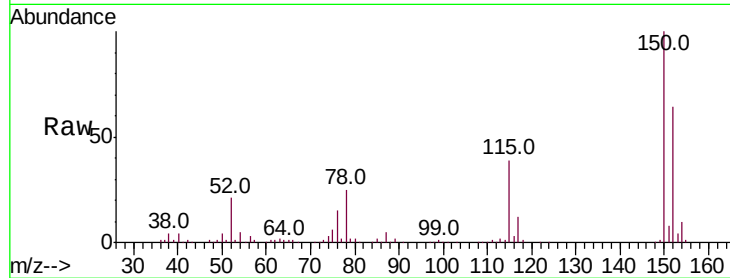


#1

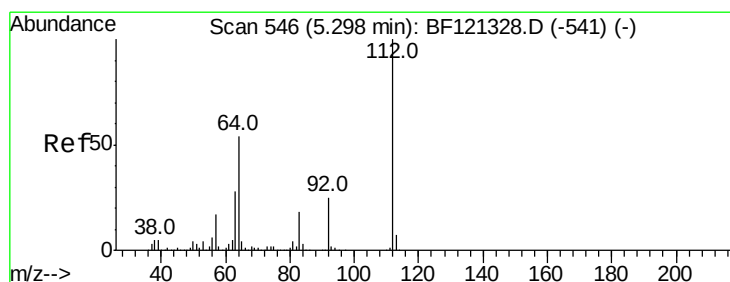
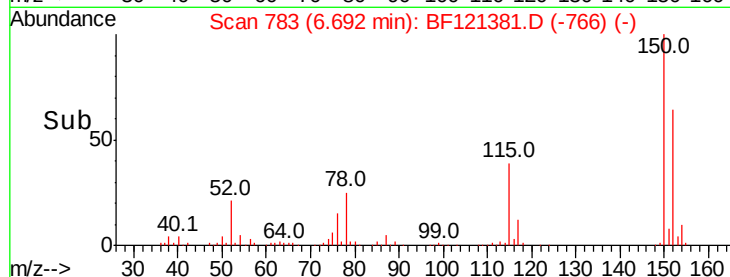
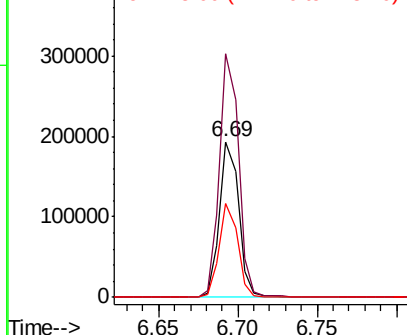
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163613
Ion Ratio Lower Upper
152 100
150 156.6 124.8 187.2
115 60.6 46.1 69.1



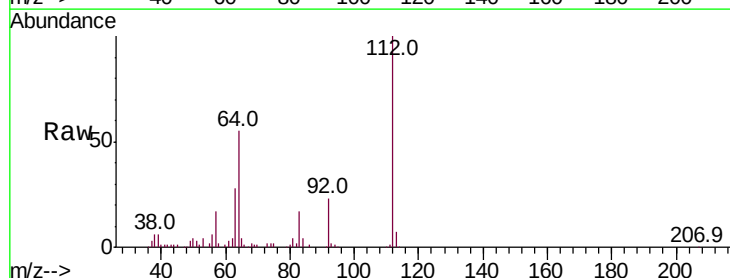
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



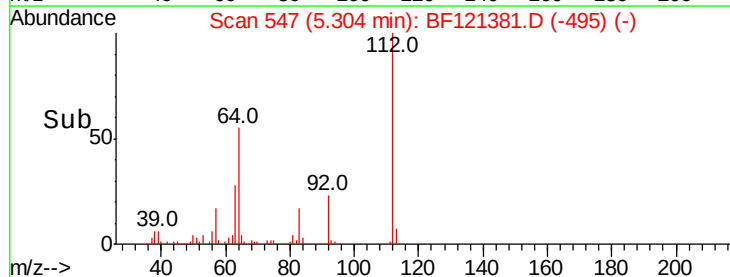
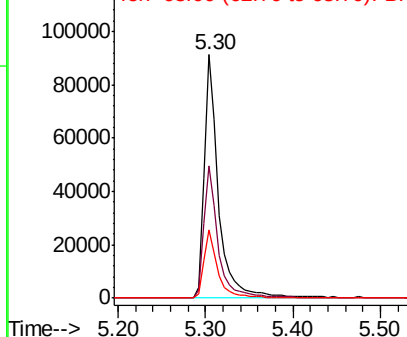
#5

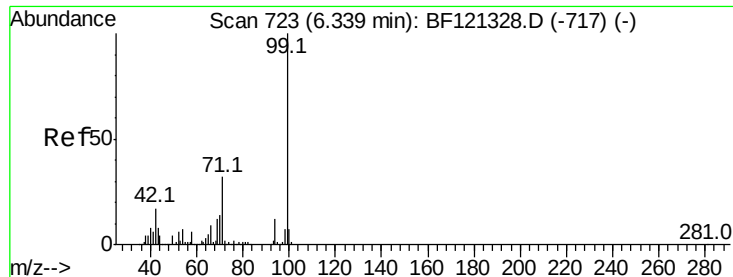
2-Fluorophenol
Concen: 10.465 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Tgt Ion:112 Resp: 104421
Ion Ratio Lower Upper
112 100
64 54.5 43.5 65.3
63 27.9 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: 35.080 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Instrument :

BNA_F

ClientSampled :

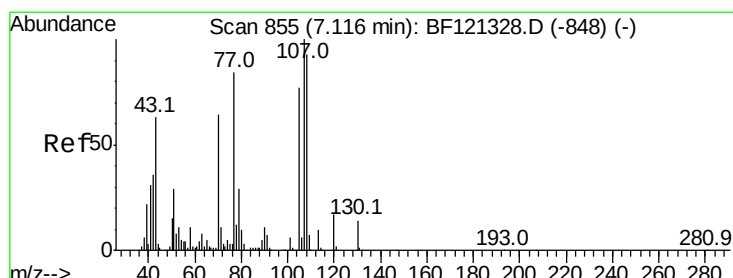
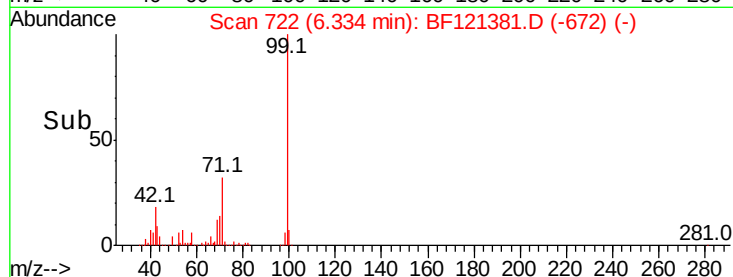
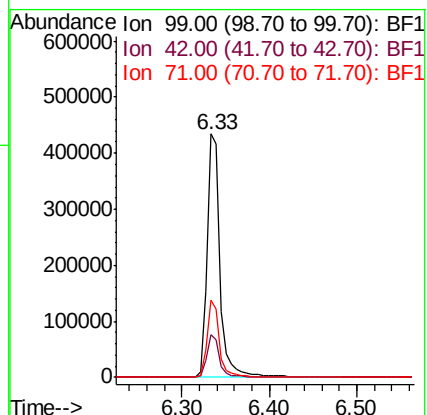
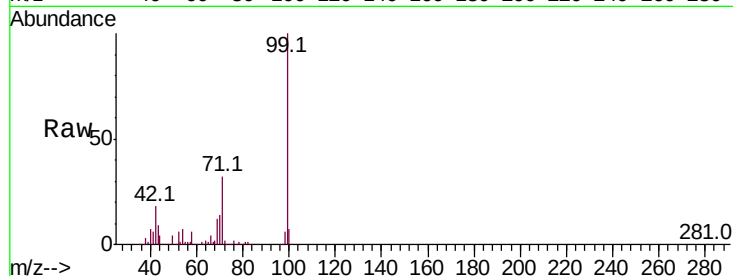
Tot Ion: 99 Resp: 446838

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

71 31.6 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 6.259 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Tgt Ion: 70 Resp: 42875

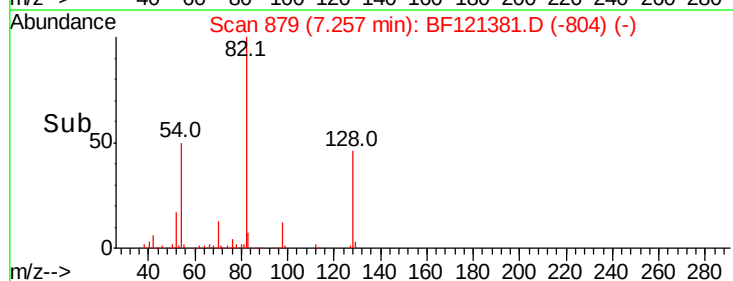
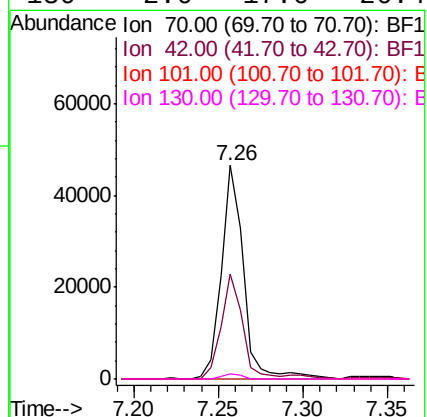
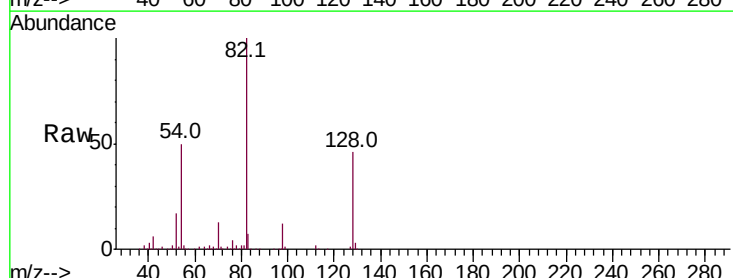
Ion Ratio Lower Upper

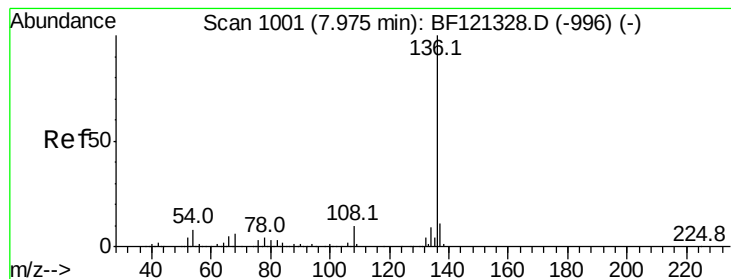
70 100

42 49.5 45.2 67.8

101 0.0 7.7 11.5#

130 2.6 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 621020

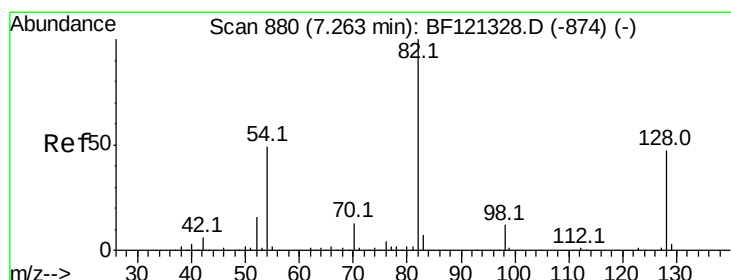
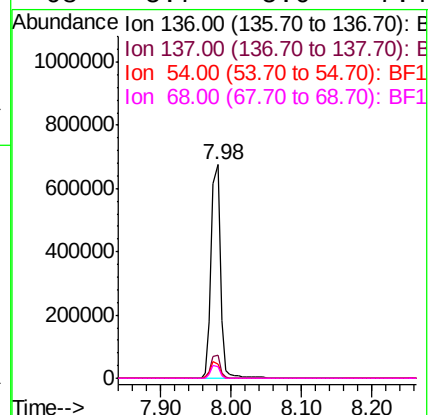
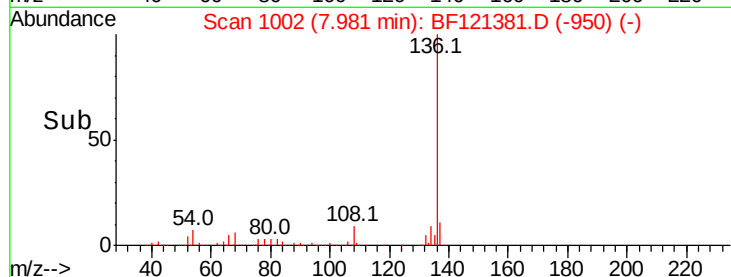
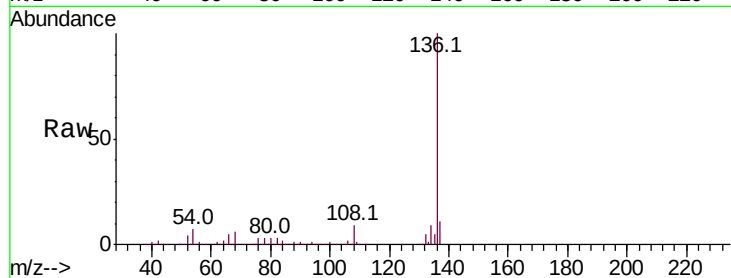
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.7 6.1 9.1

68 5.7 5.0 7.4



#23

Nitrobenzene-d5

Concen: 29.442 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

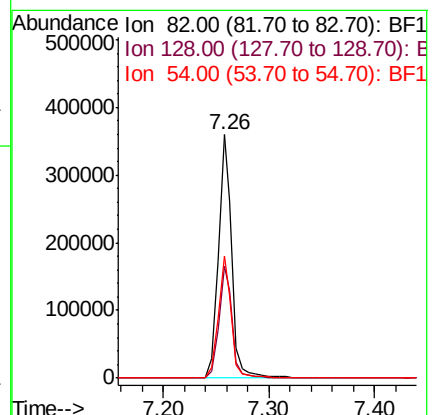
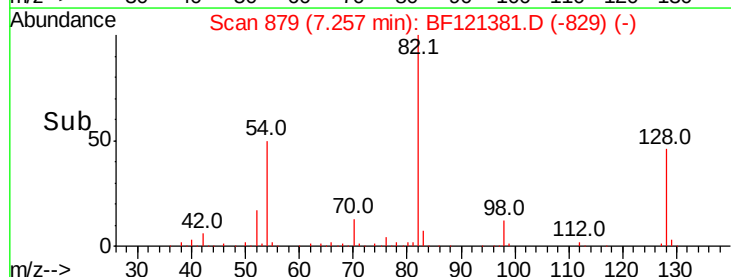
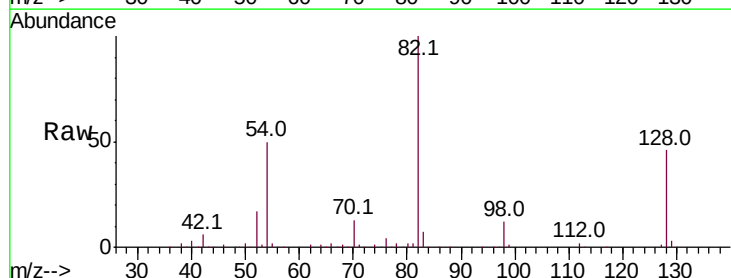
Tgt Ion: 82 Resp: 323296

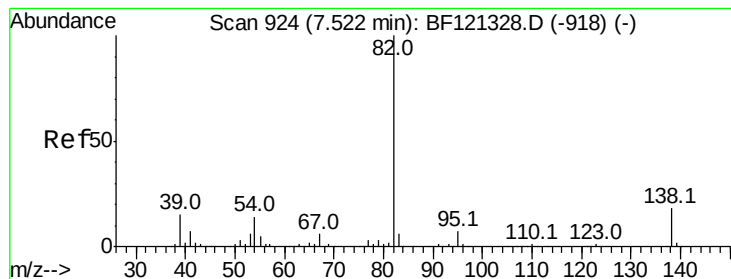
Ion Ratio Lower Upper

82 100

128 46.1 37.9 56.9

54 49.9 39.0 58.4





#25

Isophorone

Concen: 15.858 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Instrument :

BNA_F

ClientSampled :

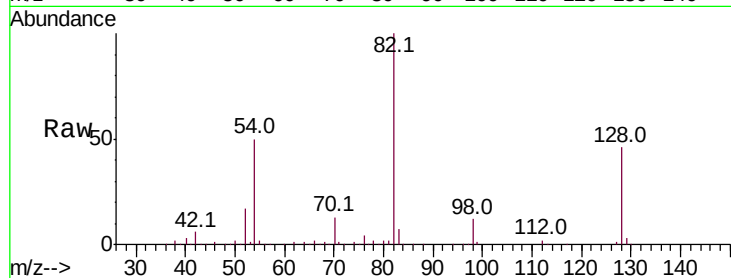
Tot Ion: 82 Resp: 316897

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

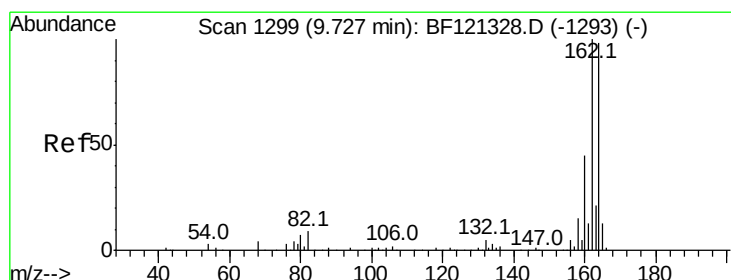
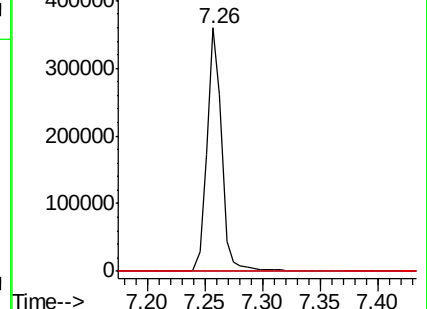
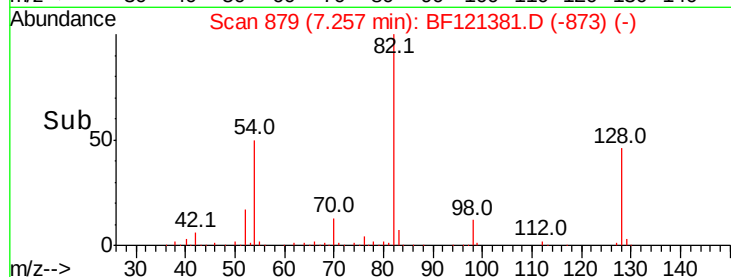
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

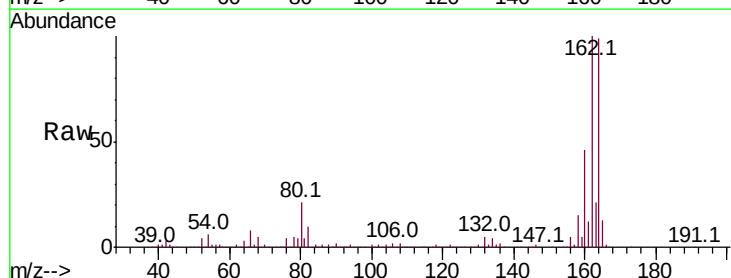
Tgt Ion:164 Resp: 300362

Ion Ratio Lower Upper

164 100

162 100.5 81.7 122.5

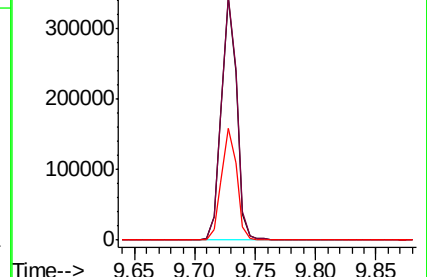
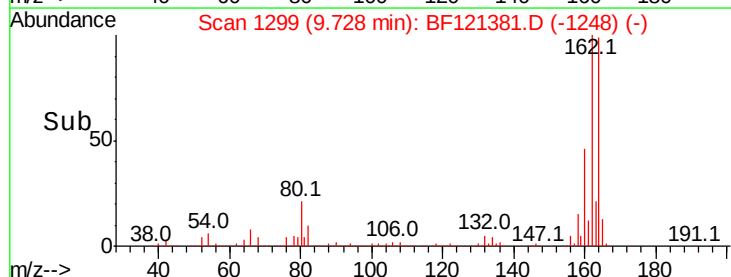
160 46.2 37.0 55.4

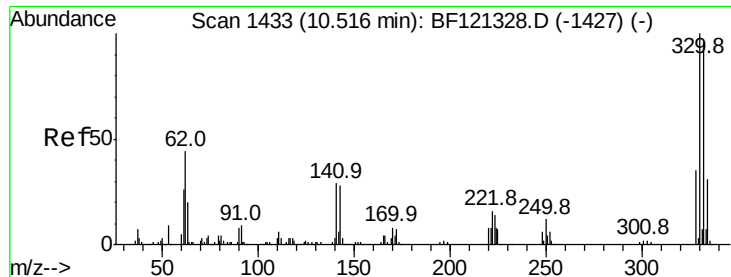


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

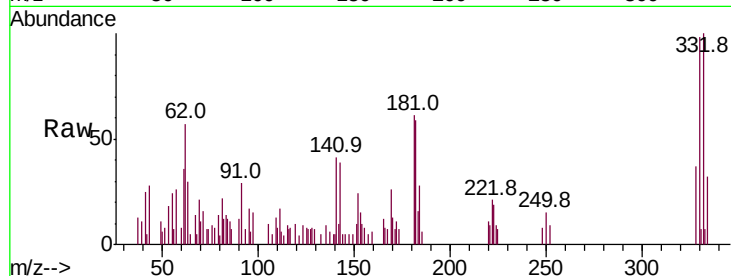




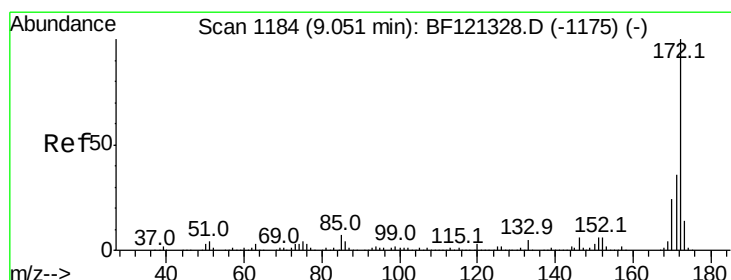
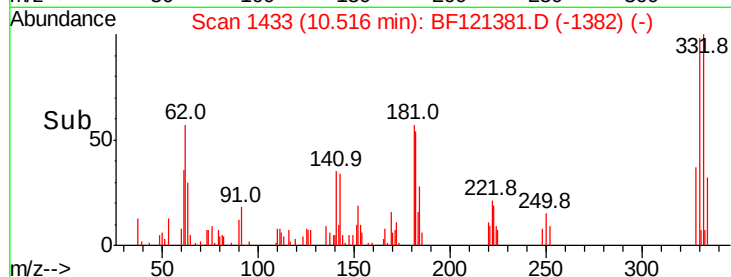
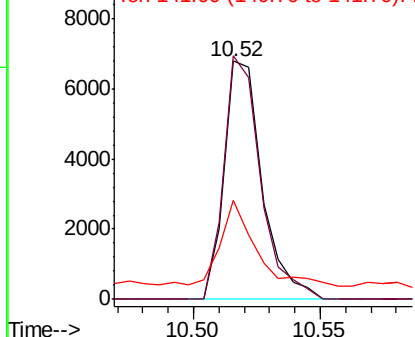
#42
 2,4,6-Tribromophenol
 Concen: 2.022 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121381.D
 Acq: 21 Aug 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7078
 Ion Ratio Lower Upper
 330 100
 332 99.2 76.9 115.3
 141 41.1 22.8 34.2#

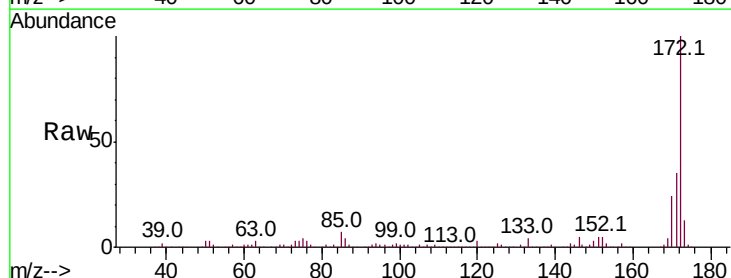


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

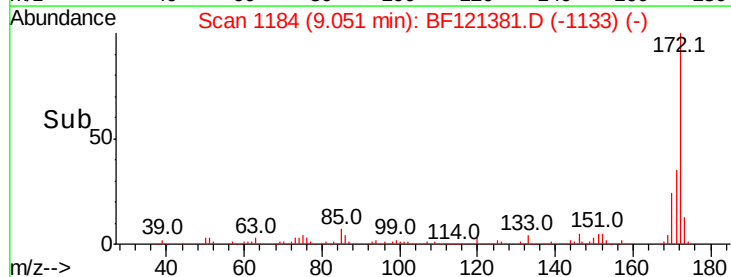
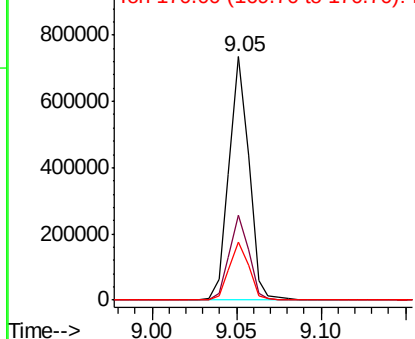


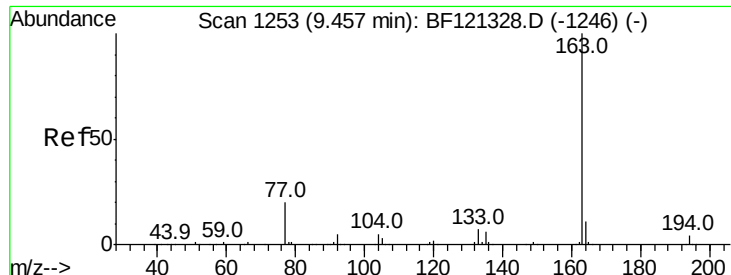
#45
 2-Fluorobiphenyl
 Concen: 30.404 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121381.D
 Acq: 21 Aug 2020 22:22

Tgt Ion:172 Resp: 605626
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.6
 170 23.8 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

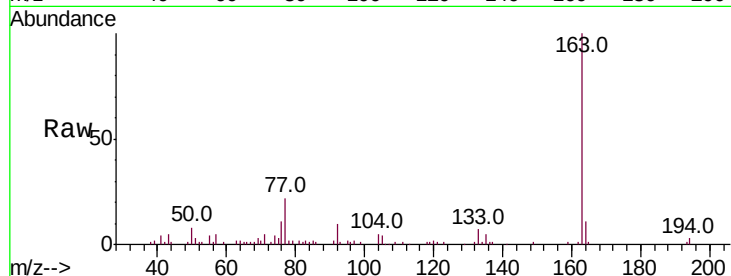




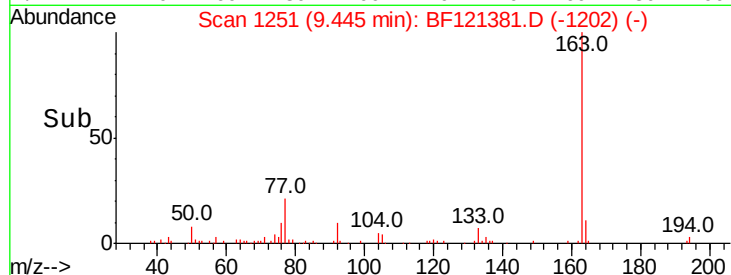
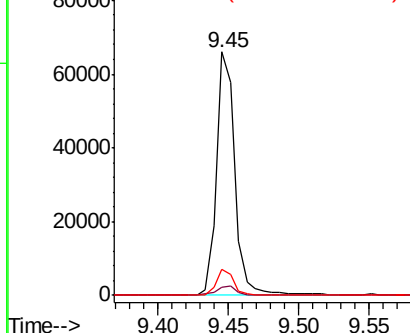
#50
Dimethylphthalate
Concen: 2.735 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 59775
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.6
164 10.6 8.4 12.6

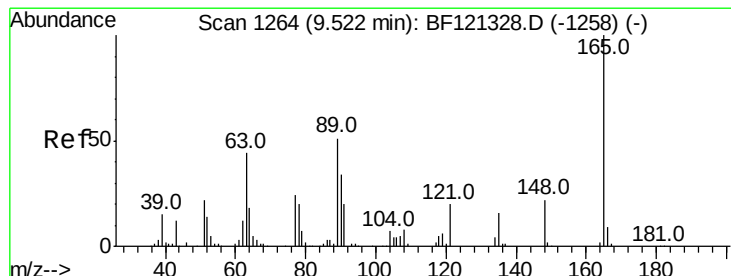


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

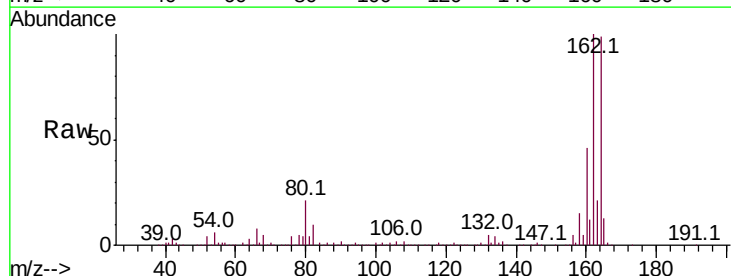
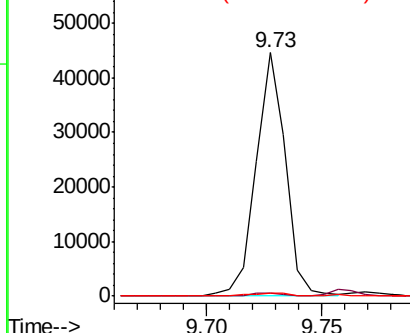


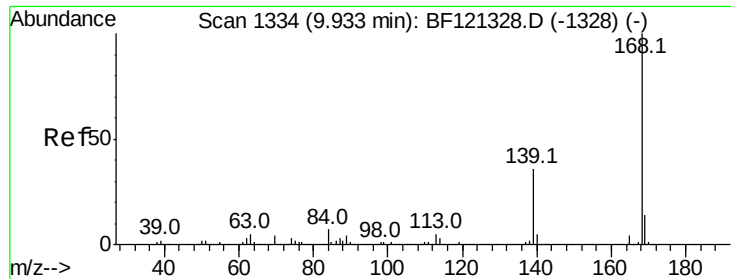
#51
2,6-Dinitrotoluene
Concen: 8.508 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.21 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Tgt Ion:165 Resp: 39705
Ion Ratio Lower Upper
165 100
63 1.1 38.5 57.7#
89 1.3 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

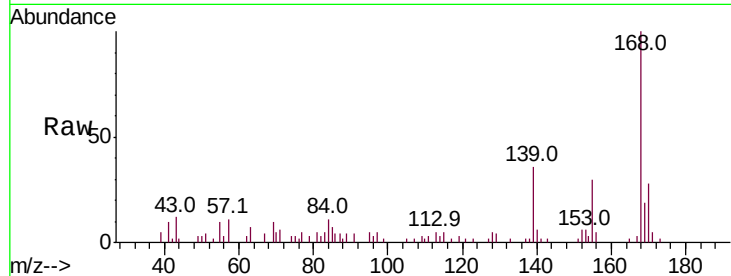




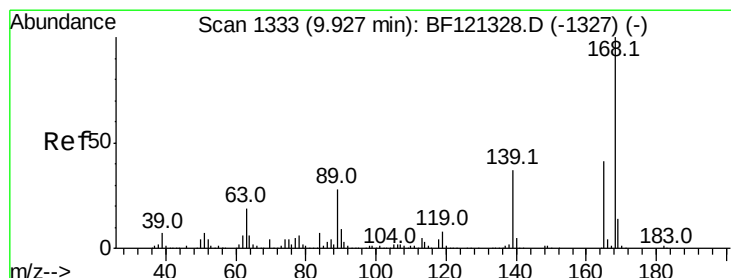
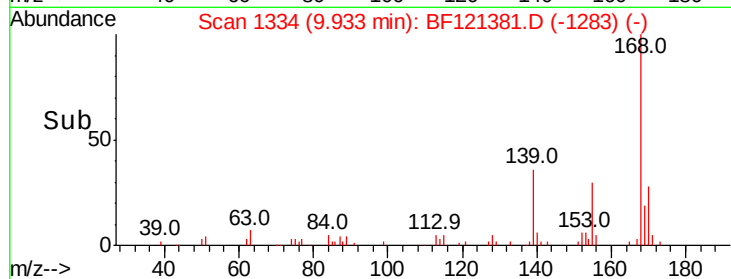
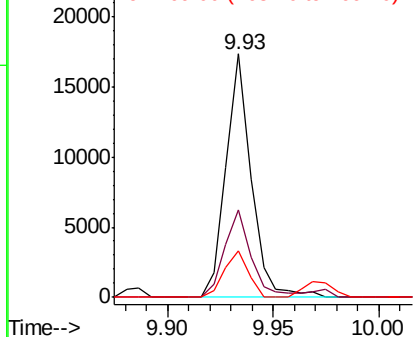
#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.1	43.7
169	19.3	11.0	16.6



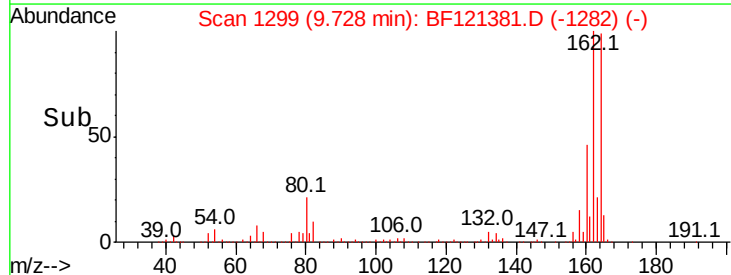
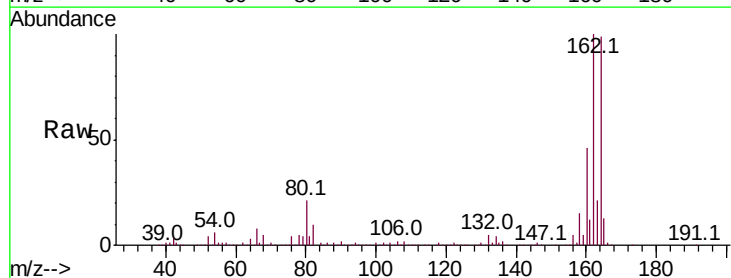
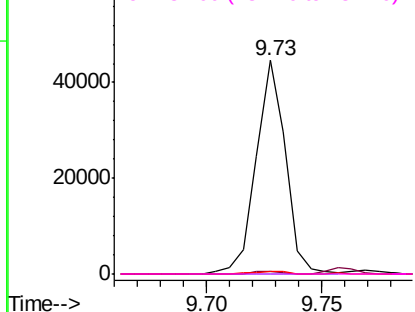
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

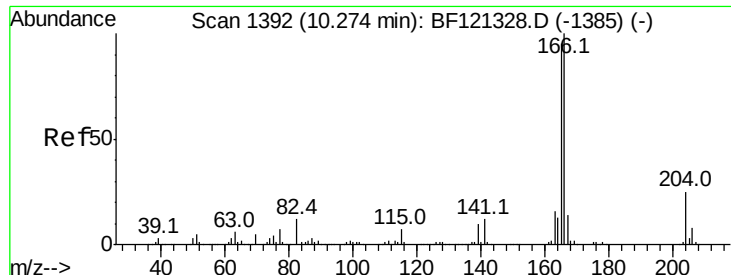


#57
2,4-Dinitrotoluene
Concen: 6.974 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Instrument :

BNA_F

ClientSampleId :

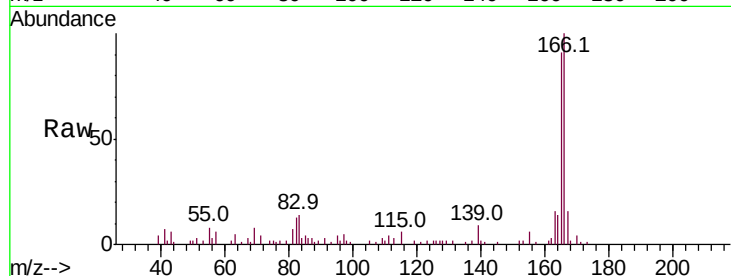
Tot Ion:166 Resp: 20938

Ion Ratio Lower Upper

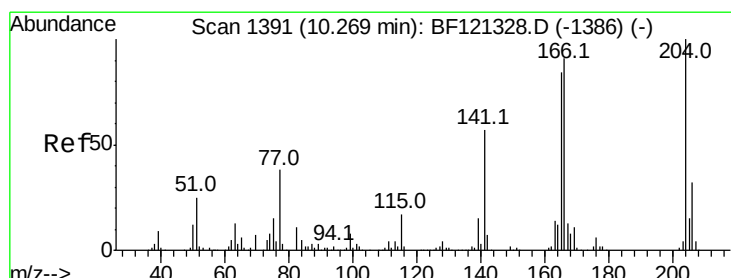
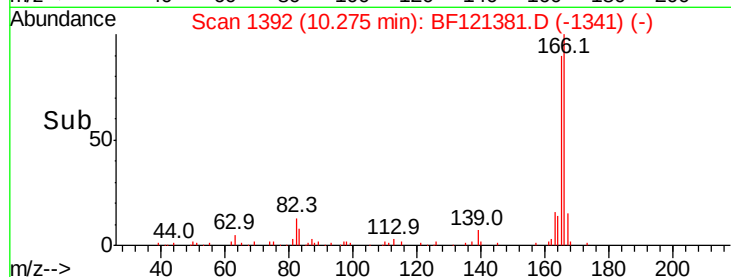
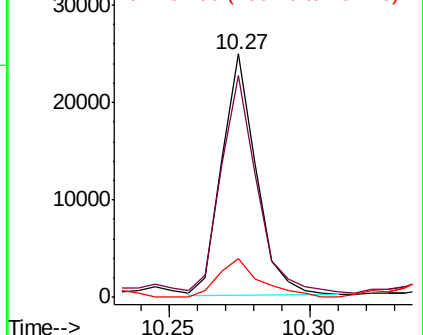
166 100

165 91.3 75.8 113.8

167 15.8 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



#61

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.10 min Scan# 1362

Delta R.T. -0.17 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

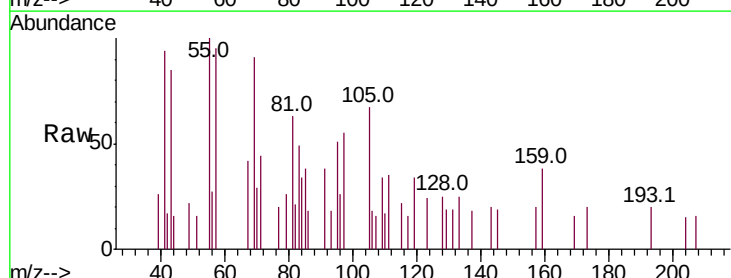
Tgt Ion:204 Resp: 108

Ion Ratio Lower Upper

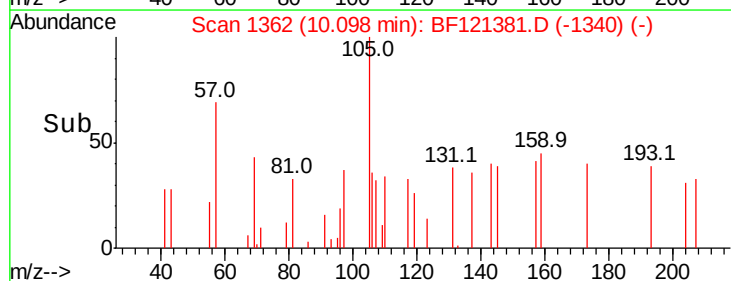
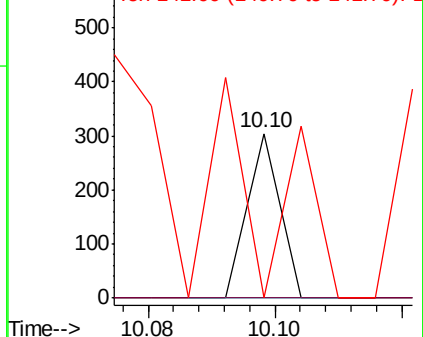
204 100

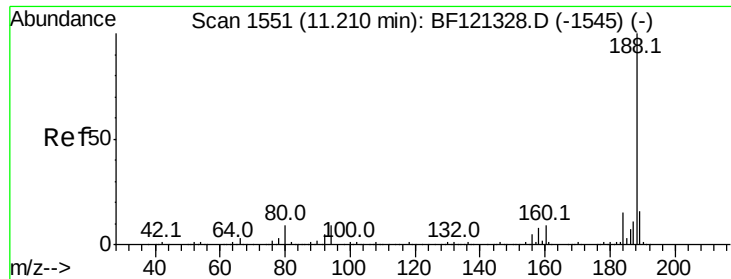
206 0.0 25.9 38.9#

141 0.0 45.5 68.3#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

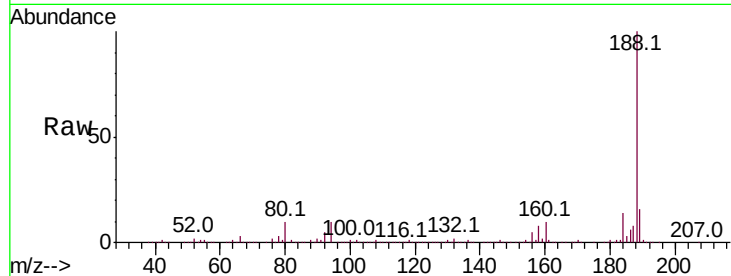




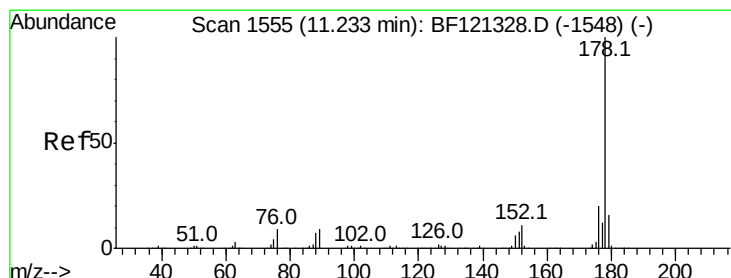
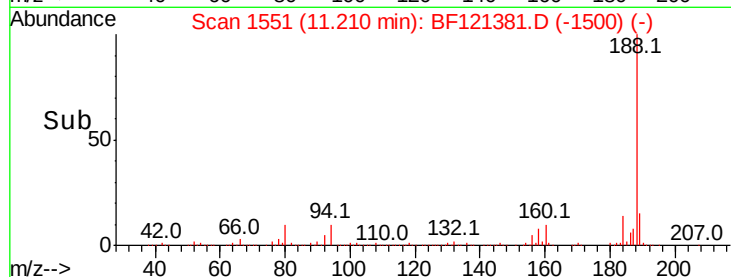
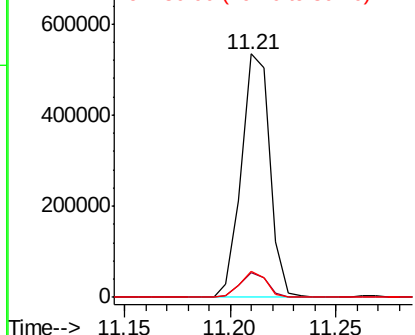
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF121381.D
 Acq: 21 Aug 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 500827
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.2 10.8
 80 10.5 7.4 11.0

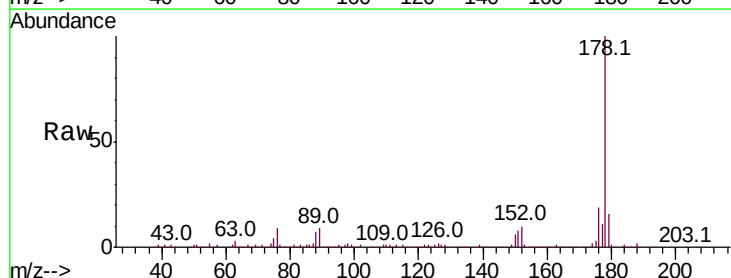


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

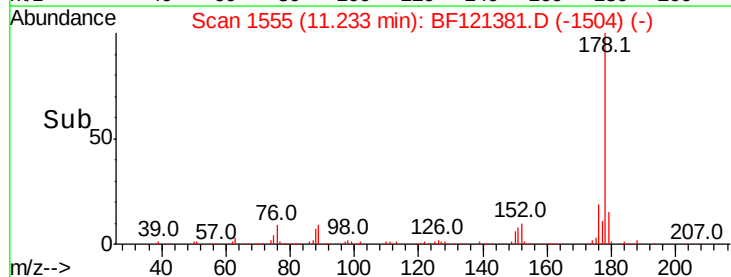
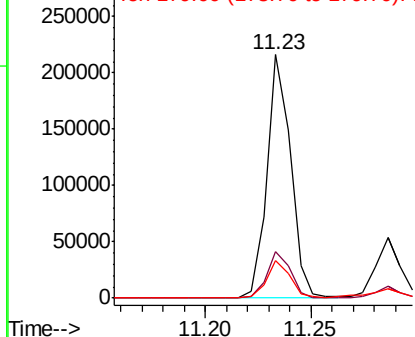


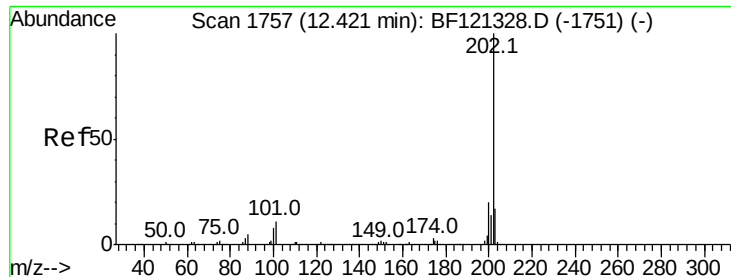
#71
 Phenanthrene
 Concen: 6.555 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF121381.D
 Acq: 21 Aug 2020 22:22

Tgt Ion:178 Resp: 169896
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.0 24.0
 179 15.7 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: 7.967 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121381.D

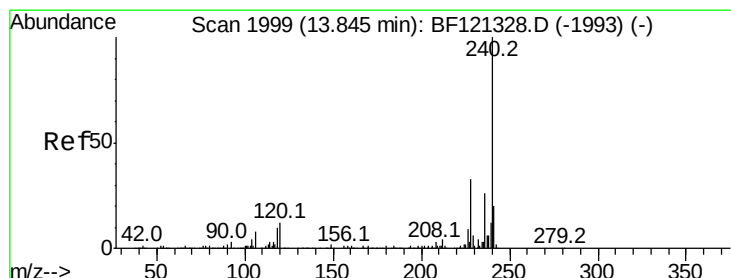
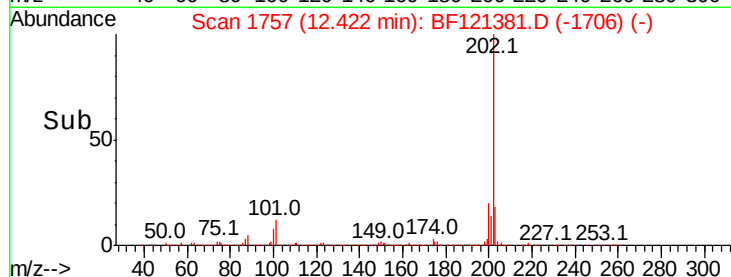
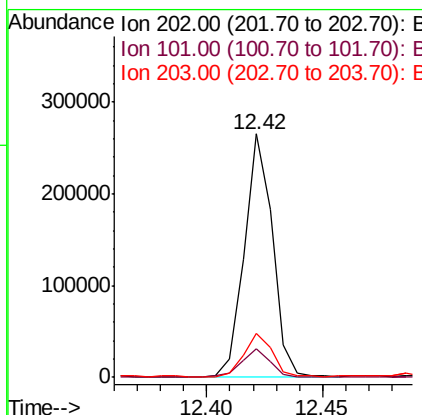
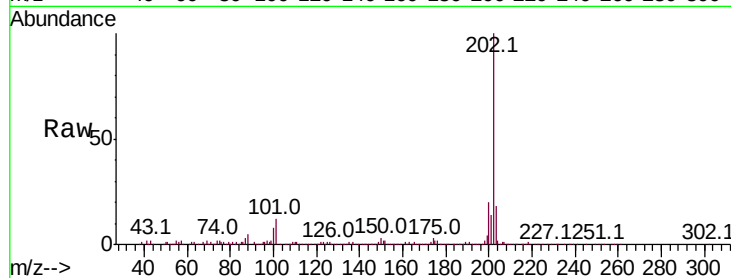
Acq: 21 Aug 2020 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	224159
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	30.6
203	17.9	0.0	37.5



#76

Chrysene-d12

Concen: 20.000 ng

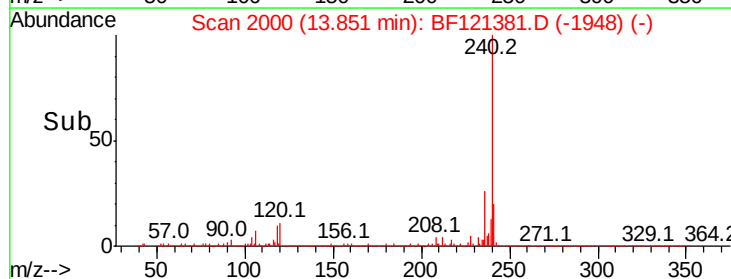
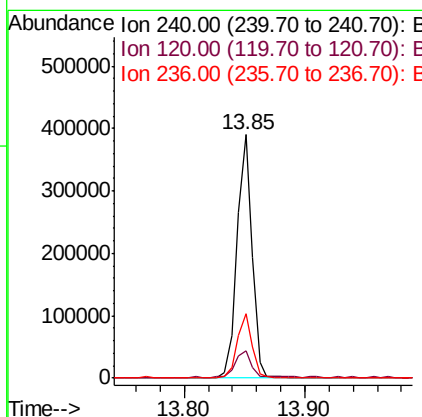
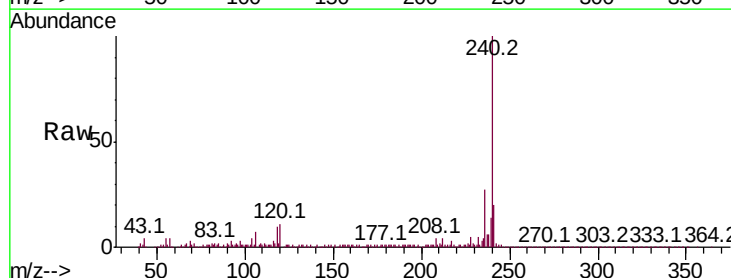
RT: 13.85 min Scan# 2000

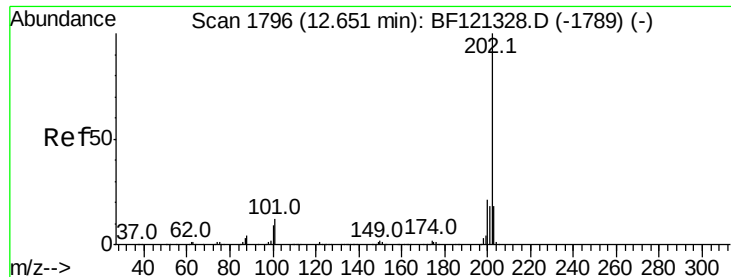
Delta R.T. 0.01 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Tgt Ion:	240	Resp:	336914
Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	26.5	20.6	31.0

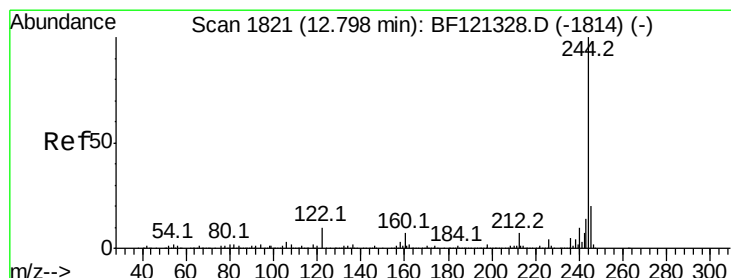
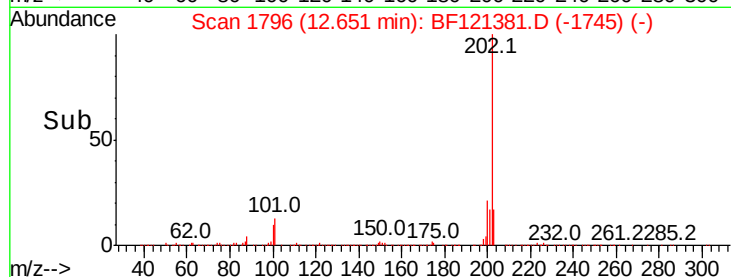
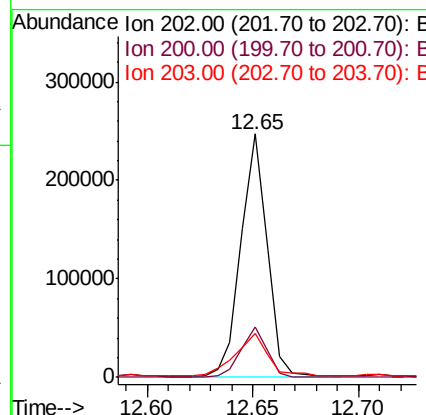
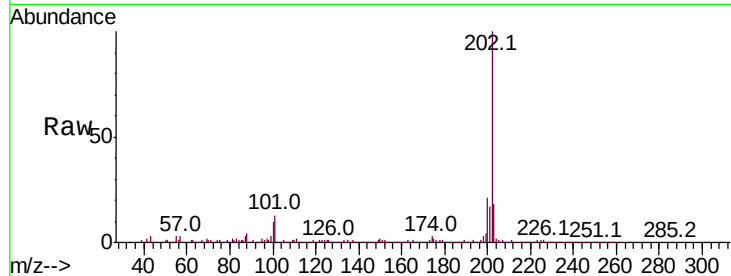




#78
Pvrene
Concen: 8.373 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

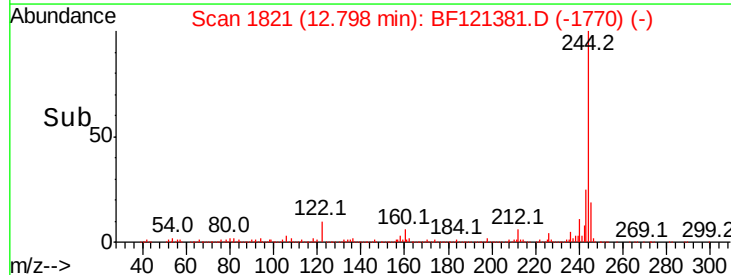
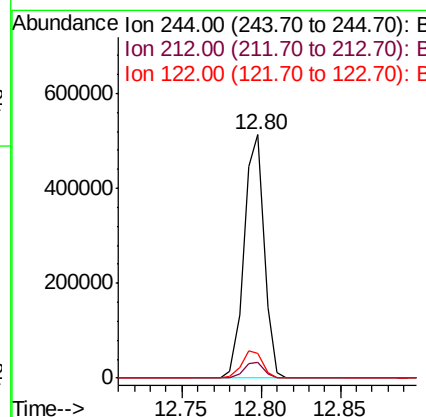
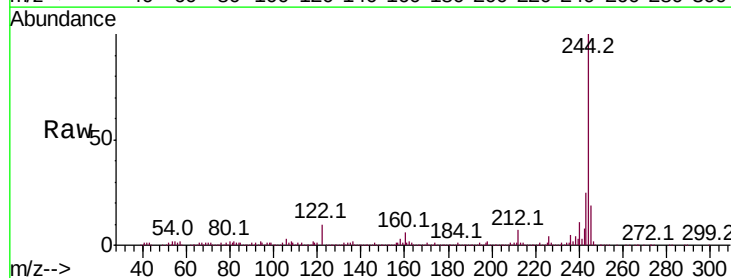
Instrument :
BNA_F
ClientSampleId :

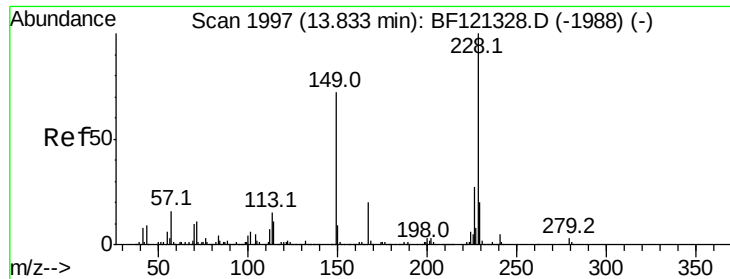
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	18.0	14.2	21.2



#79
Terphenyl-d14
Concen: 26.137 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	7.8	11.8

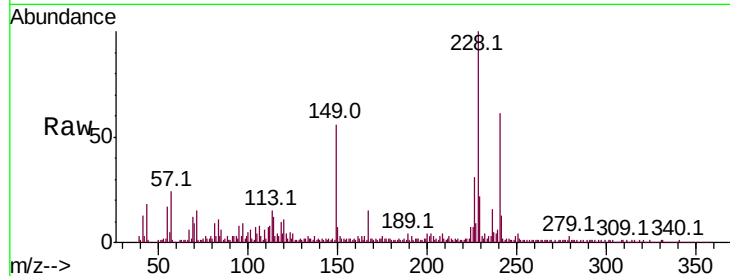




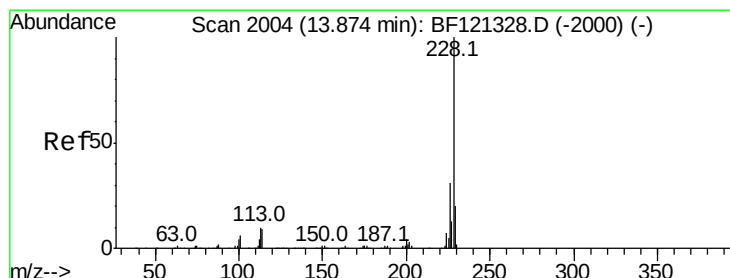
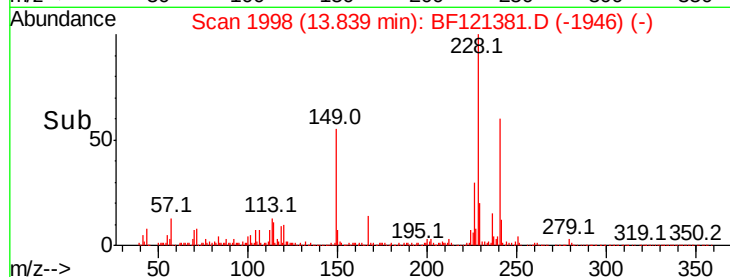
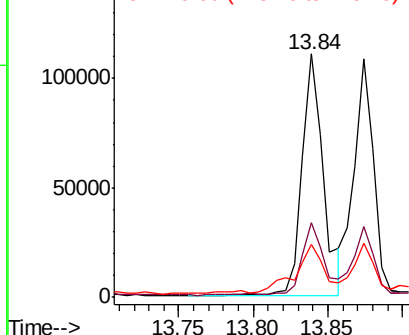
#81
Benzo(a)anthracene
Concen: 5.238 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.6
229	21.6	15.8	23.8



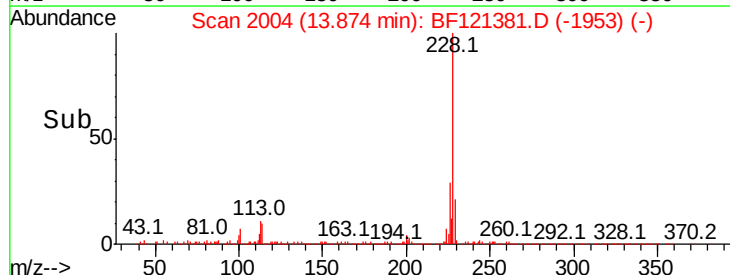
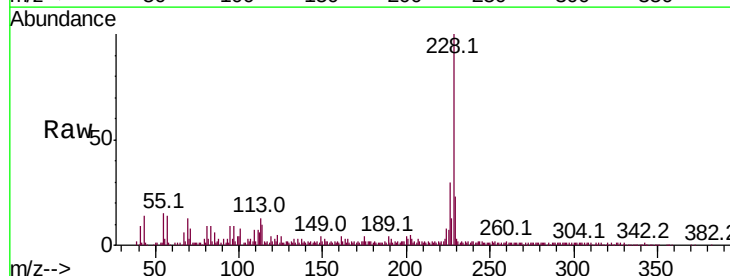
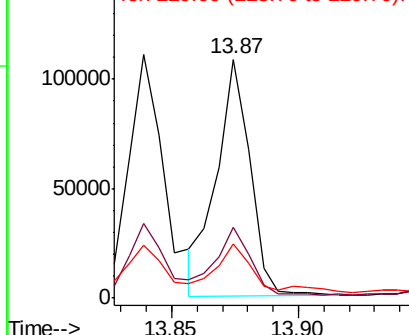
Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

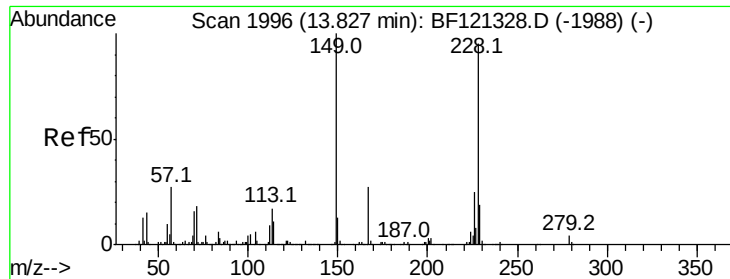


#83
Chrysene
Concen: 4.644 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	36.8
229	22.6	15.9	23.9

Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.487 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Instrument :

BNA_F

ClientSampleId :

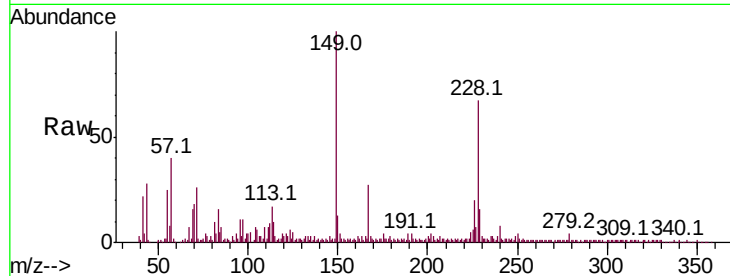
Tot Ion:149 Resp: 82954

Ion Ratio Lower Upper

149 100

167 27.3 21.5 32.3

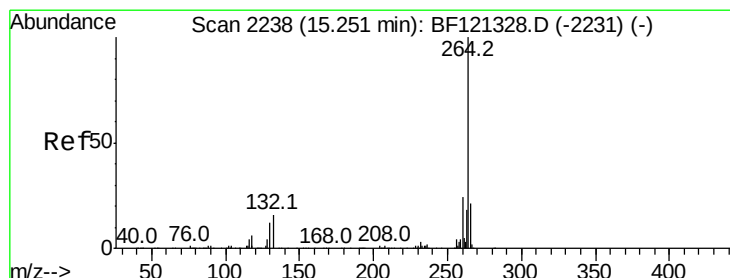
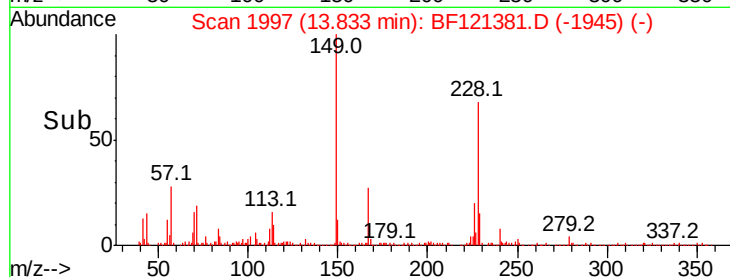
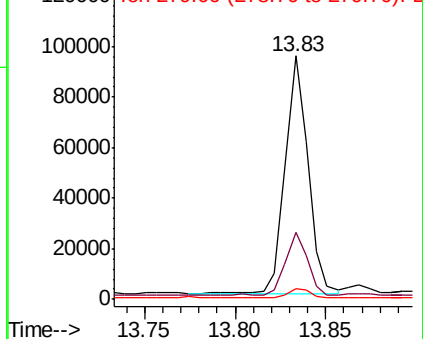
279 4.3 2.9 4.3



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: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

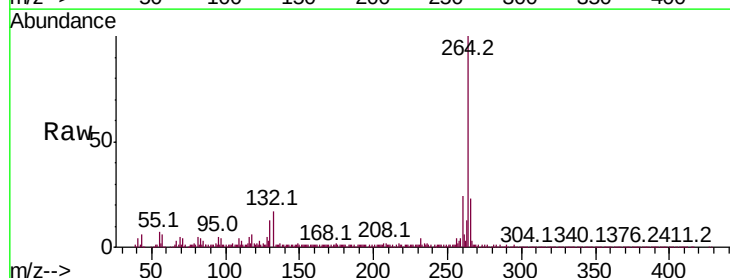
Tgt Ion:264 Resp: 377437

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

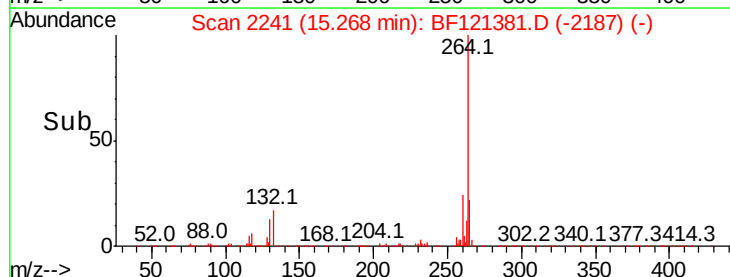
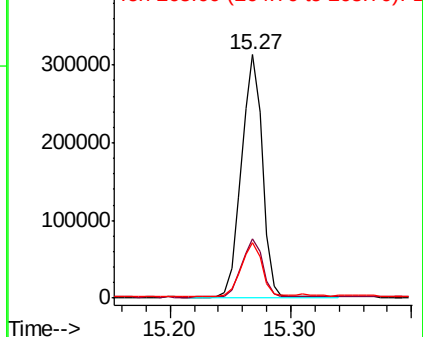
265 22.9 17.1 25.7

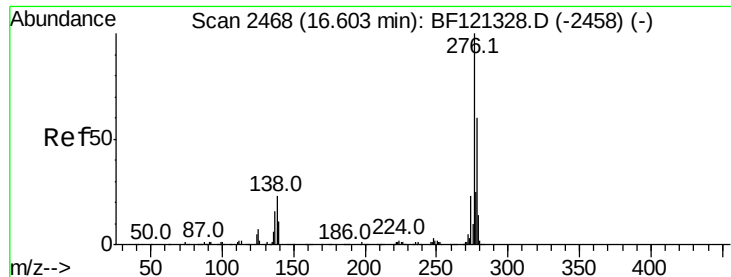


Abundance Ion 264.00 (263.70 to 264.70): E

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: 2.403 ng

RT: 16.63 min Scan# 2472

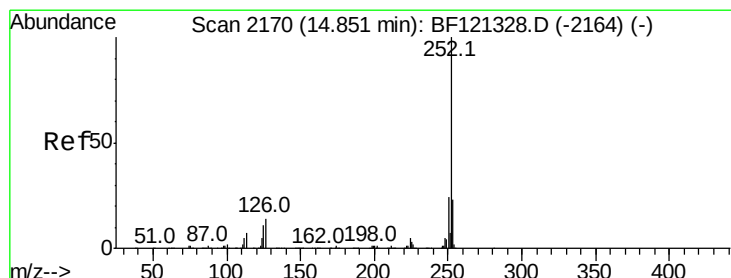
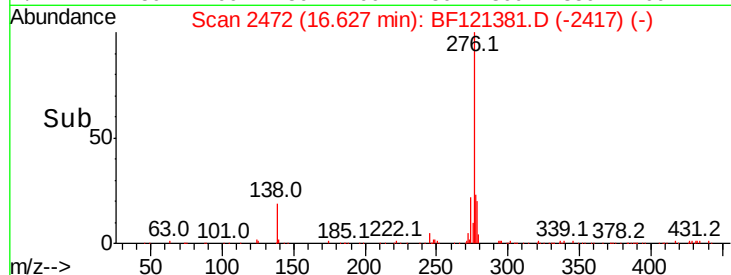
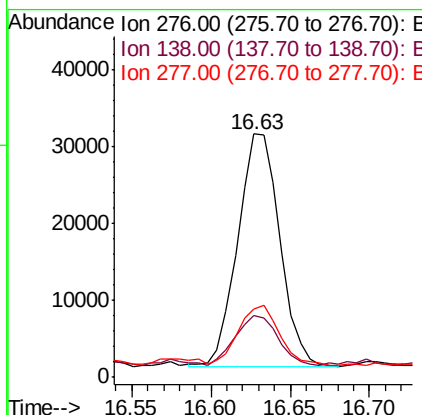
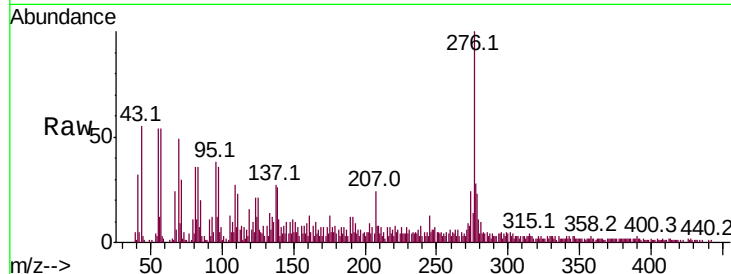
Delta R.T. 0.02 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.4	29.0
277	25.6	19.9	29.9



#88

Benzo(b)fluoranthene

Concen: 7.040 ng

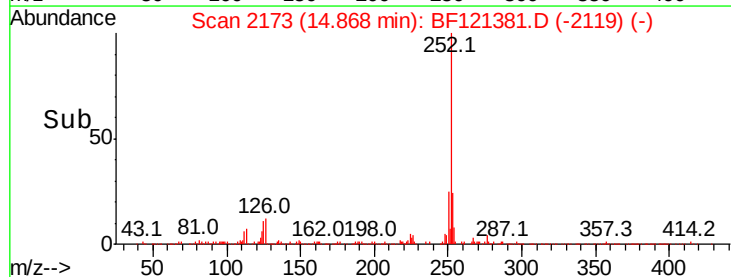
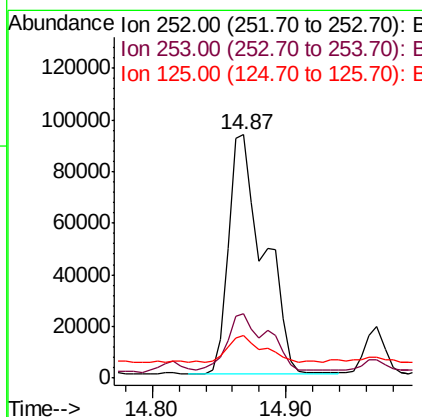
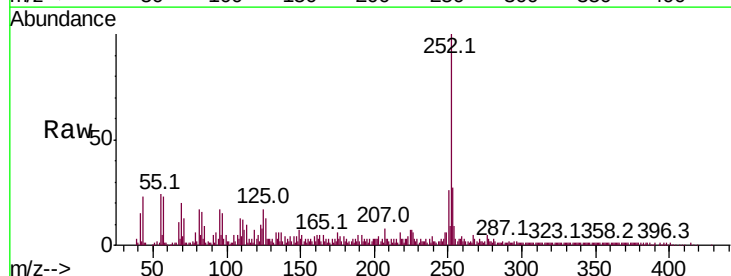
RT: 14.87 min Scan# 2173

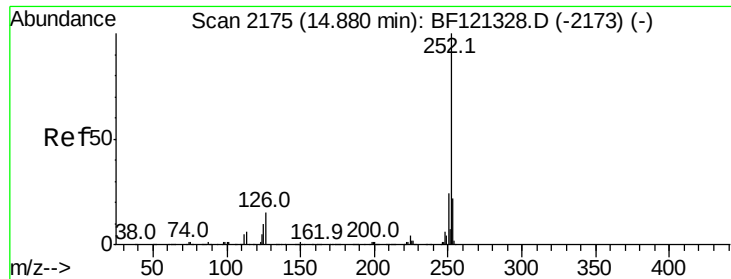
Delta R.T. 0.02 min

Lab File: BF121381.D

Acq: 21 Aug 2020 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	17.5	8.6	12.8

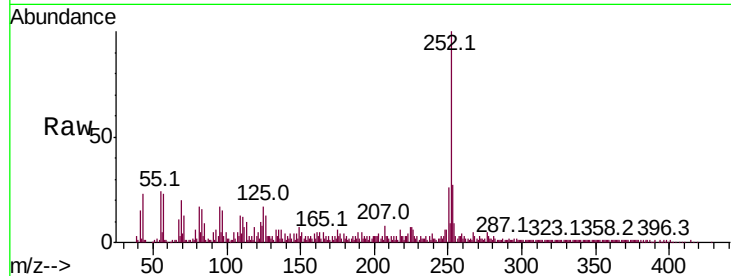




#89
Benzo(k)fluoranthene
Concen: 7.998 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	17.5	8.6	12.8

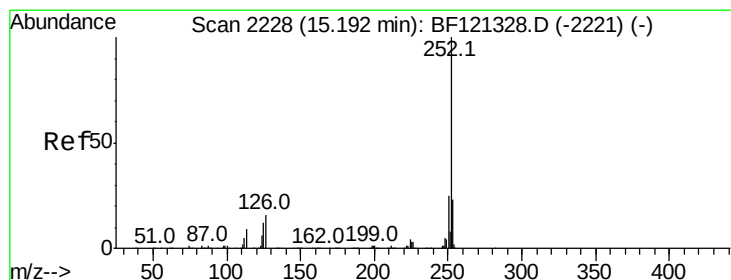
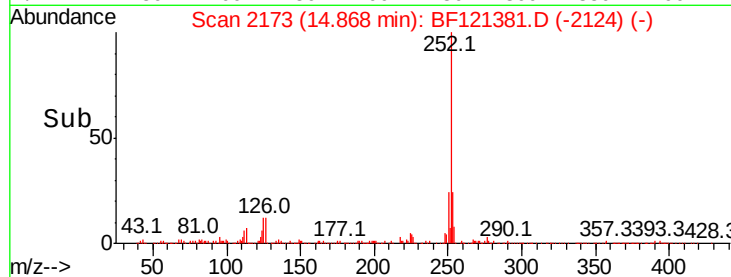
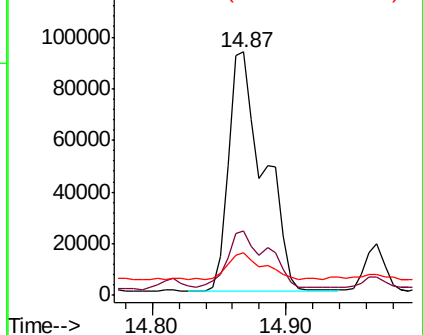


Abundance

Ion 252.00 (251.70 to 252.70): E

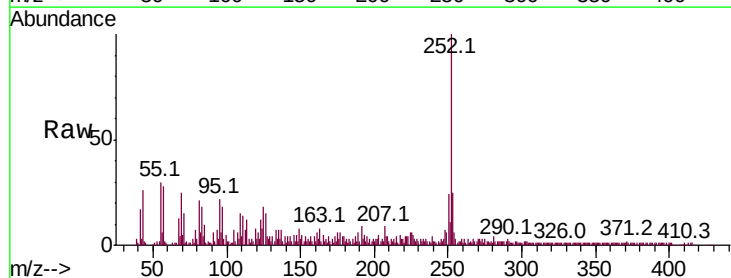
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.414 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121381.D
Acq: 21 Aug 2020 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	18.2	9.4	14.0

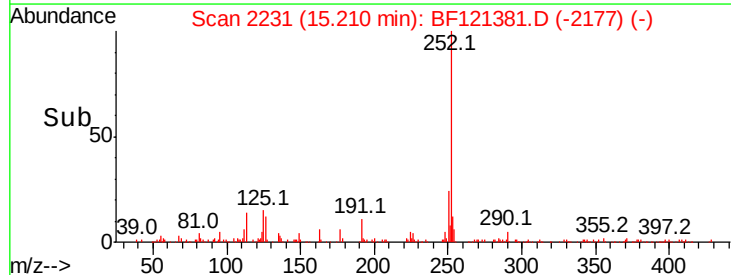
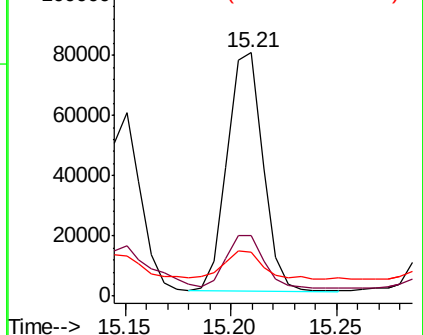


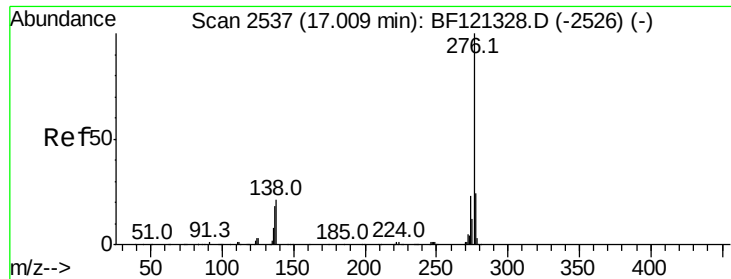
Abundance

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

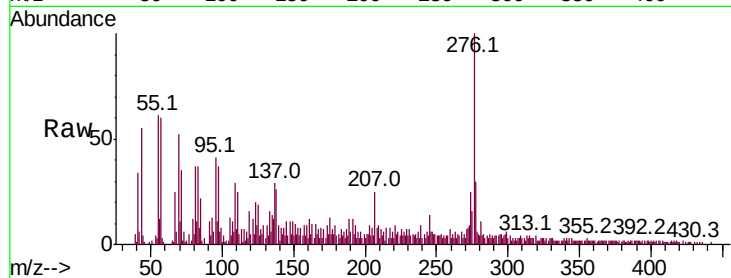




#92
 Benzo(a,h,i)perylene
 Concen: 2.950 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.04 min
 Lab File: BF121381.D
 Acq: 21 Aug 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.3	28.9#
138	25.7	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

