

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121385.D
 Acq On : 22 Aug 2020 00:25
 Operator : JU/CG
 Sample : L3734-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 02:55:17 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	161743	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	609173	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	284030	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	456948	20.00	ng	0.00
76) Chrysene-d12	13.85	240	350542	20.00	ng	0.00
86) Perylene-d12	15.27	264	367535	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	44690	4.53	ng	0.01
7) Phenol-d6	6.34	99	197792	15.71	ng	0.00
23) Nitrobenzene-d5	7.26	82	141413	13.13	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	6573	1.99	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	285039	7.47	ng	0.00
79) Terphenyl-d14	12.80	244	208663	11.63	ng	0.00

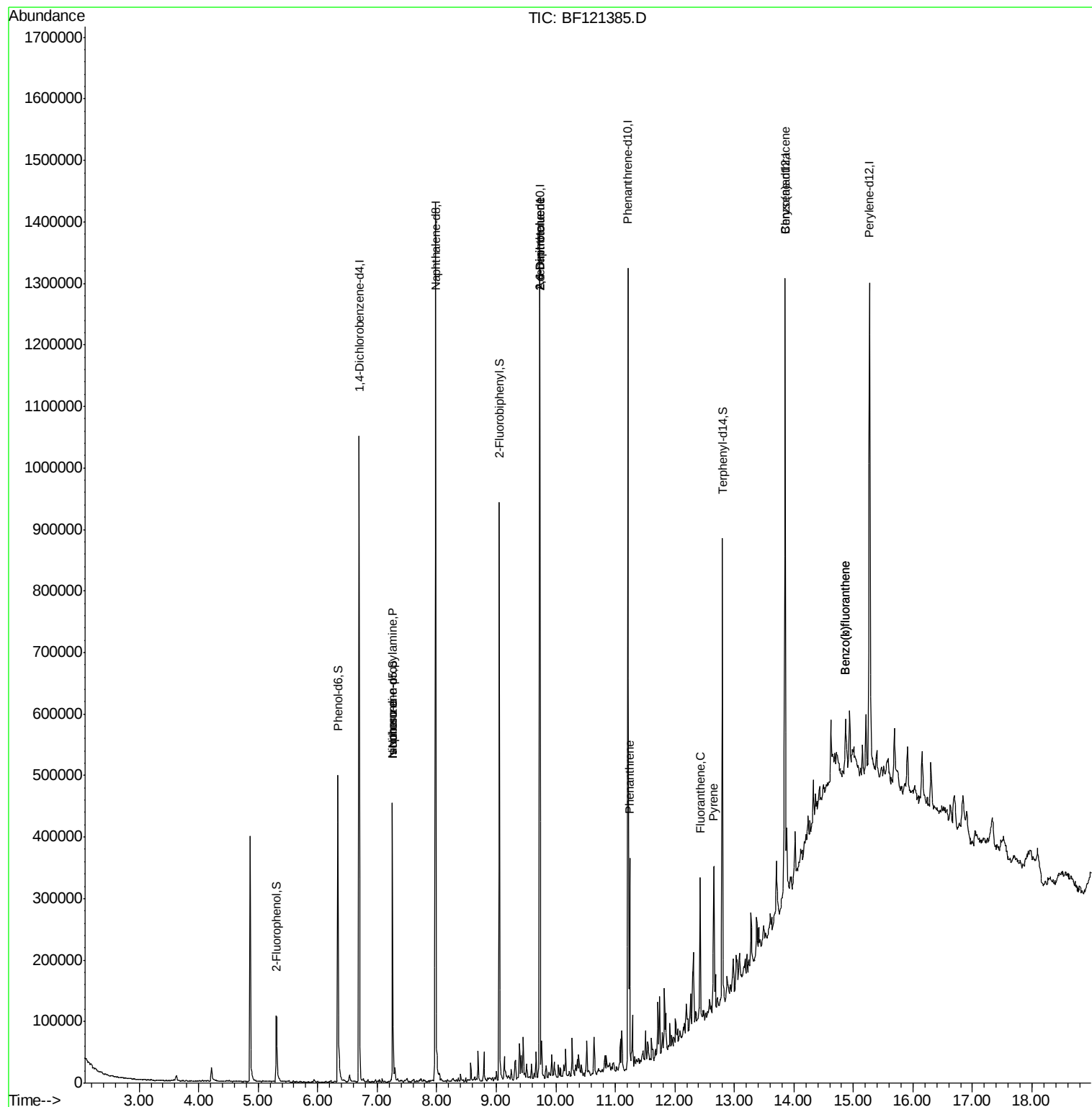
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	18957	2.799	ng	# 78
25) Isophorone	7.26	82	141431	7.215	ng	# 65
51) 2,6-Dinitrotoluene	9.73	165	37133	8.414	ng	# 29
55) Dibenzofuran	9.93	168	6075	Below Cal		# 87
57) 2,4-Dinitrotoluene	9.73	165	37133	6.897	ng	# 25
58) Fluorene	10.28	166	17414	Below Cal		98
71) Phenanthrene	11.24	178	113688	4.807	ng	98
75) Fluoranthene	12.43	202	90346	3.520	ng	99
78) Pyrene	12.66	202	104259	3.959	ng	97
81) Benzo(a)anthracene	13.84	228	45064	2.070	ng	93
88) Benzo(b)fluoranthene	14.87	252	58222	2.452	ng	# 88
89) Benzo(k)fluoranthene	14.87	252	58222	2.786	ng	# 87

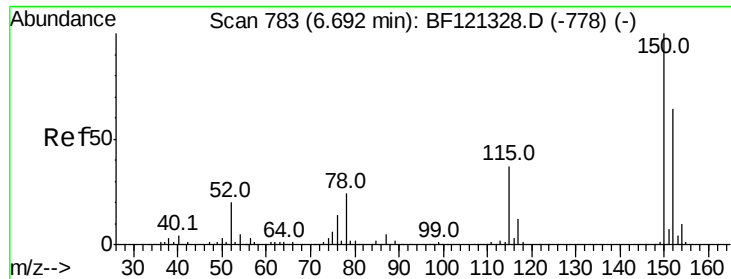
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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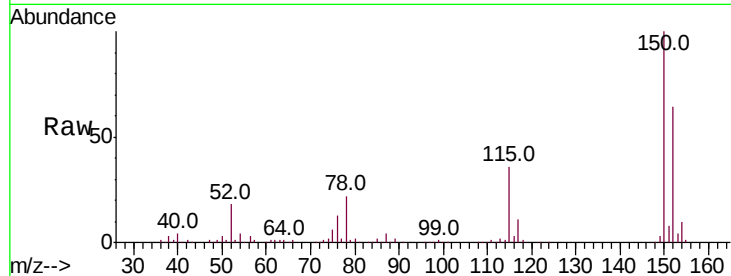


#1

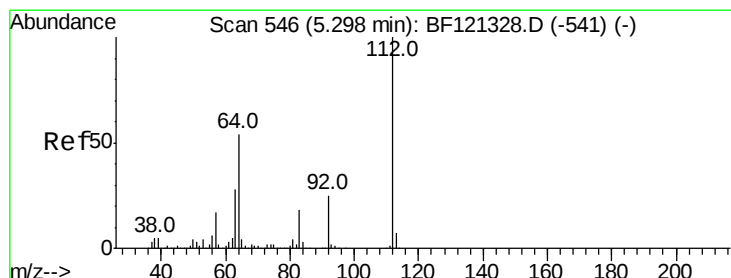
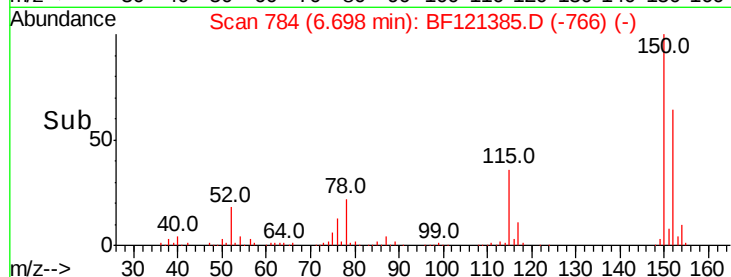
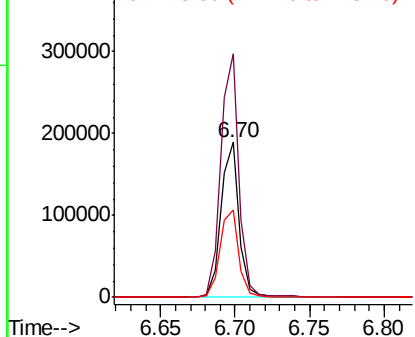
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161743
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 56.5 46.1 69.1



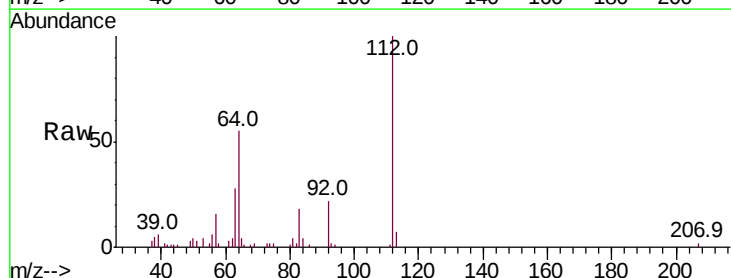
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



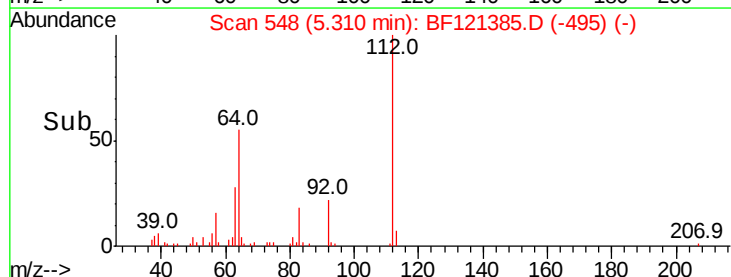
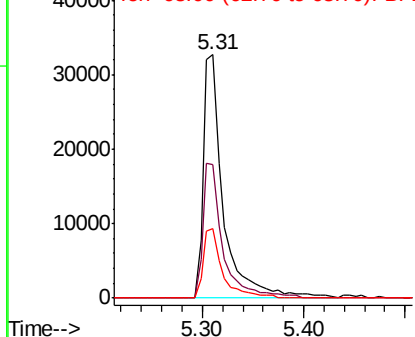
#5

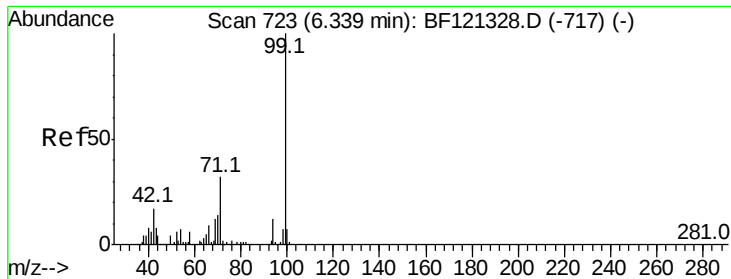
2-Fluorophenol
Concen: 4.531 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Tgt Ion:112 Resp: 44690
Ion Ratio Lower Upper
112 100
64 54.7 43.5 65.3
63 28.5 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: 15.707 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampled :

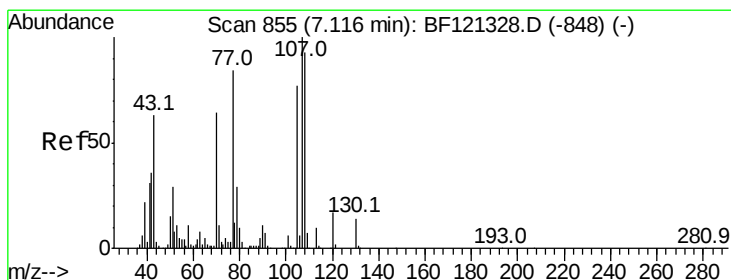
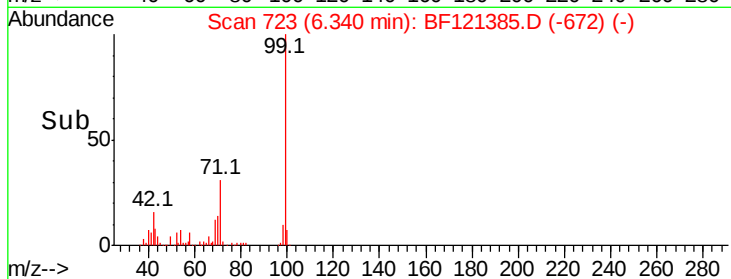
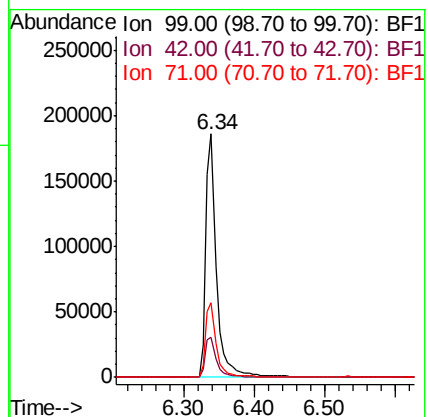
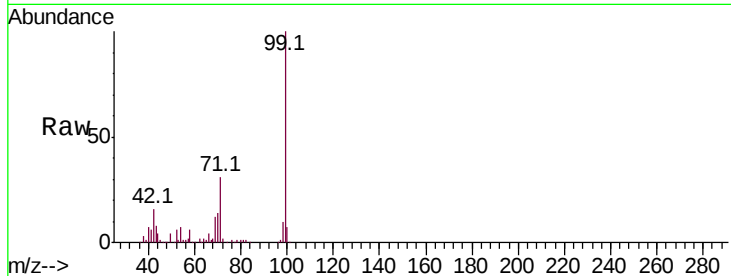
Tot Ion: 99 Resp: 197792

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

71 30.6 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 2.799 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Tgt Ion: 70 Resp: 18957

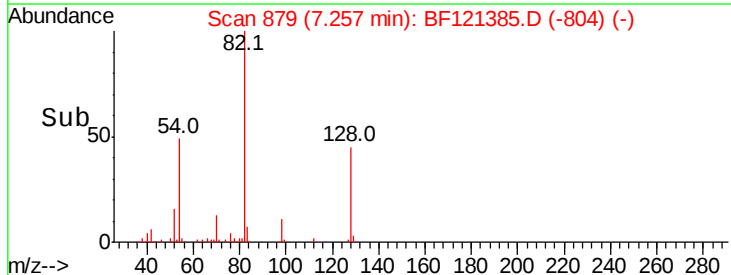
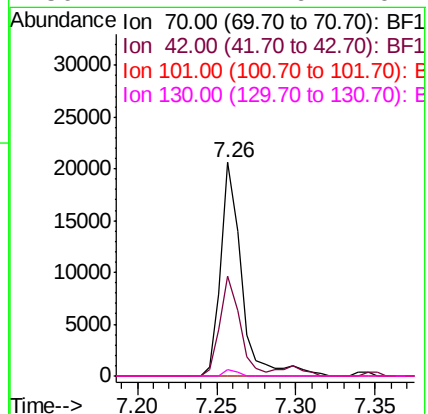
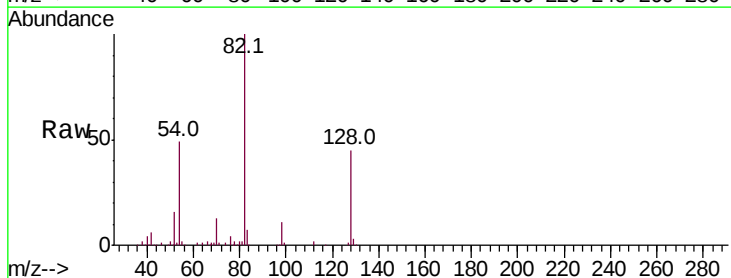
Ion Ratio Lower Upper

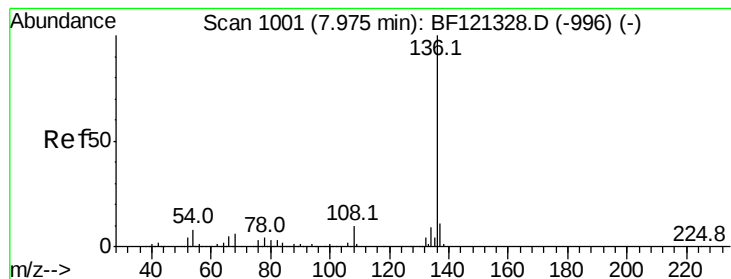
70 100

42 46.7 45.2 67.8

101 0.0 7.7 11.5#

130 2.7 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: BF121385.D

Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 609173

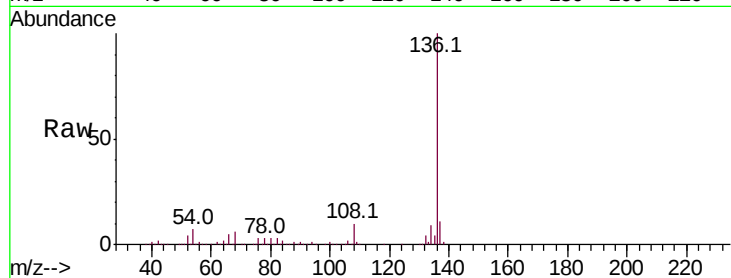
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 6.1 9.1

68 6.0 5.0 7.4

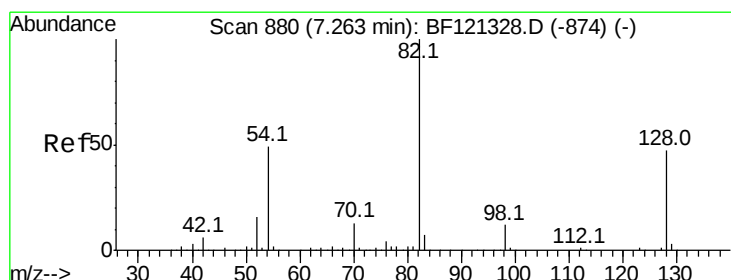
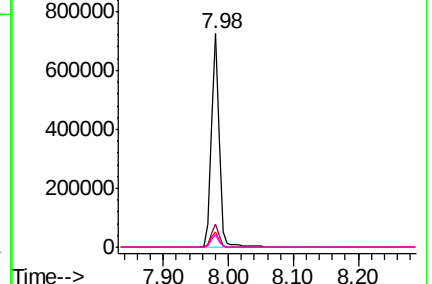
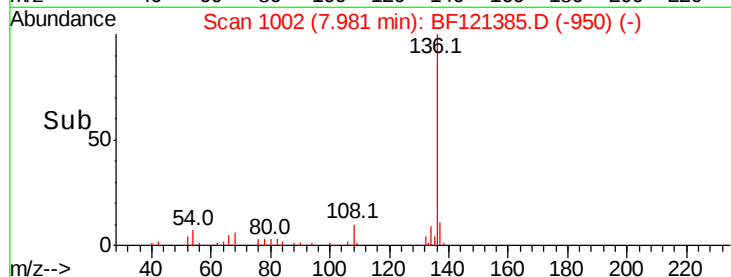


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 13.129 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

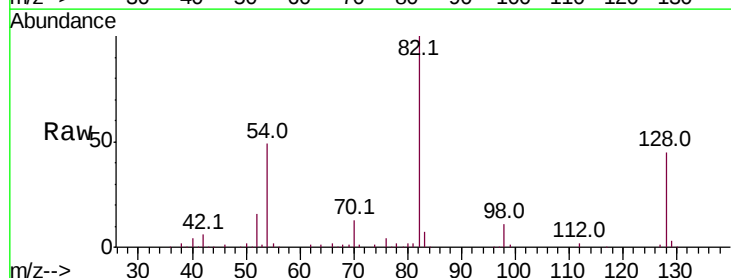
Tgt Ion: 82 Resp: 141413

Ion Ratio Lower Upper

82 100

128 44.5 37.9 56.9

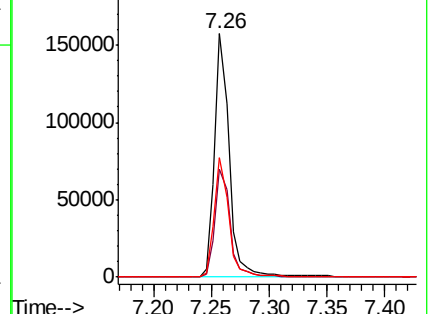
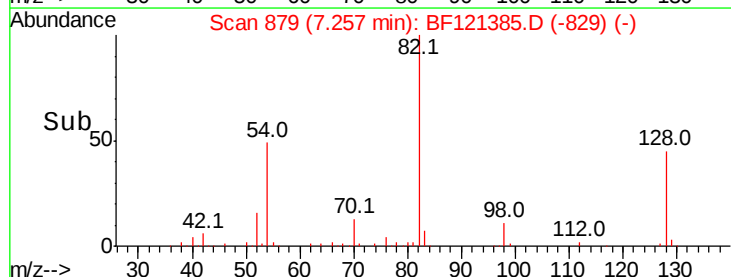
54 49.2 39.0 58.4

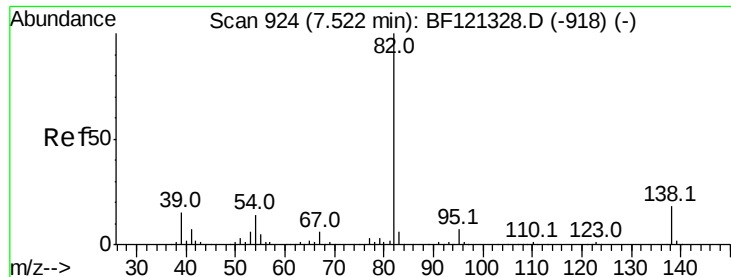


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.215 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampleId :

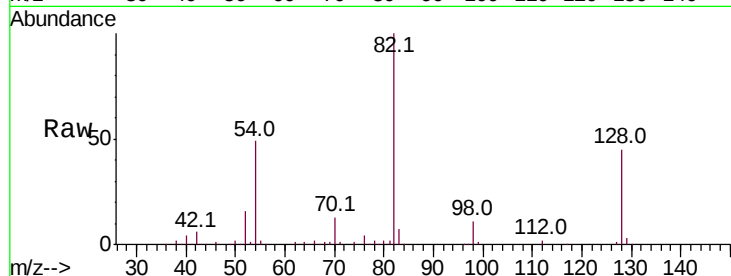
Tot Ion: 82 Resp: 141431

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

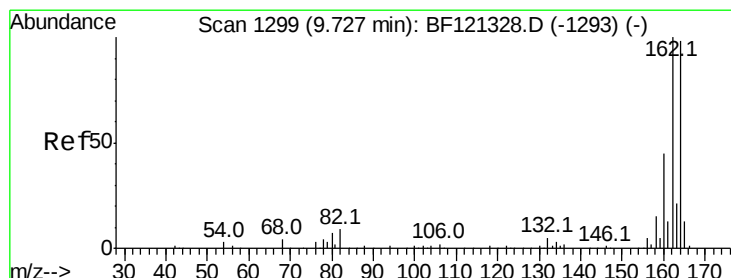
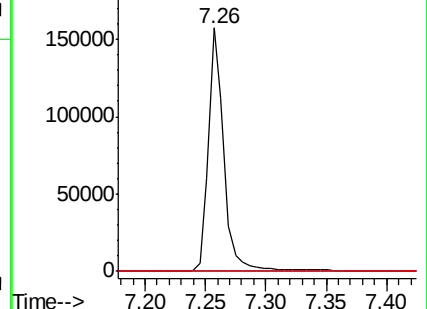
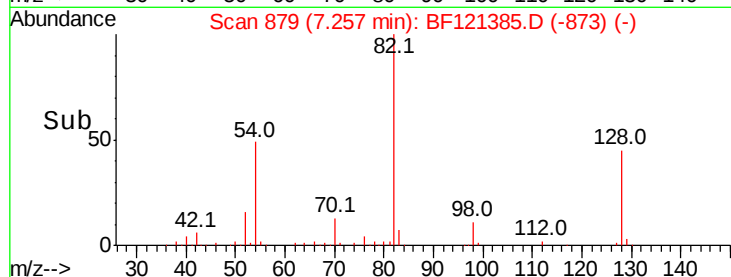
138 0.0 14.6 21.8#



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# 1300

Delta R.T. 0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

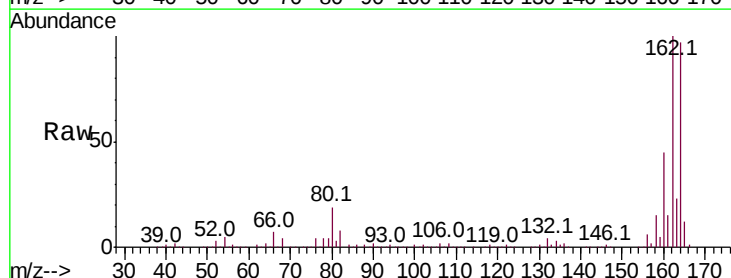
Tgt Ion:164 Resp: 284030

Ion Ratio Lower Upper

164 100

162 102.7 81.7 122.5

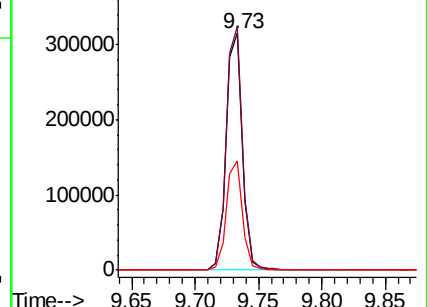
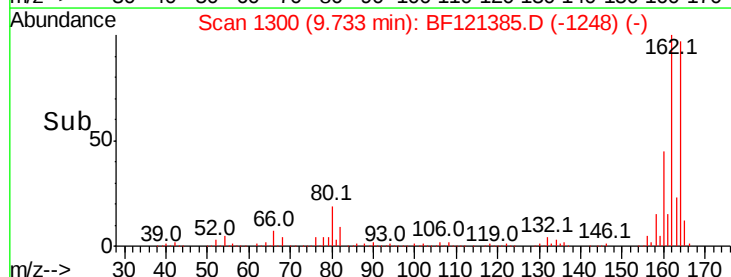
160 46.1 37.0 55.4

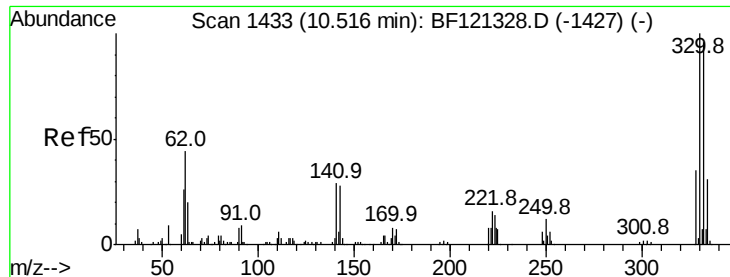


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

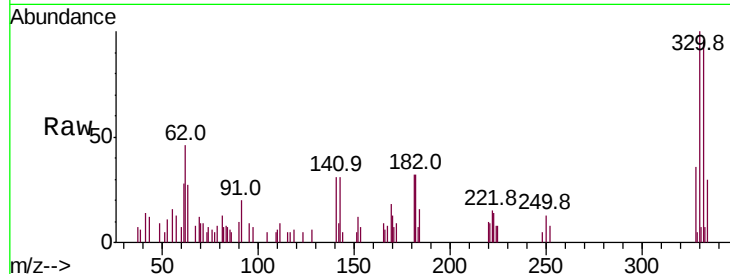




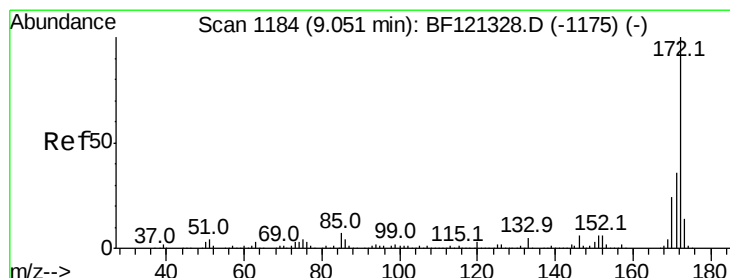
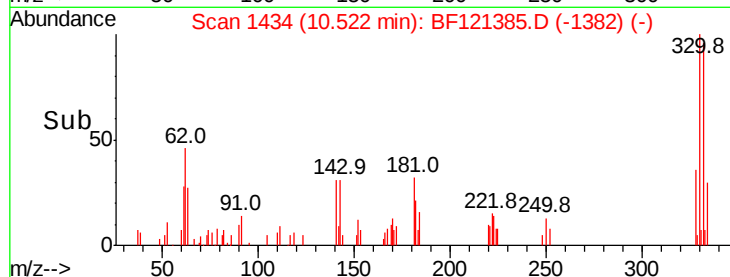
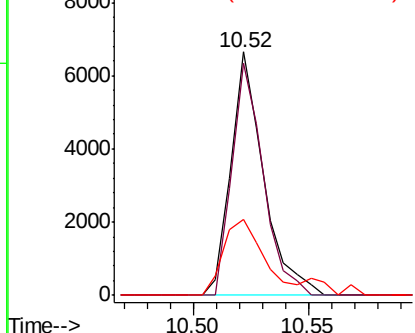
#42
 2,4,6-Tribromophenol
 Concen: 1.986 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121385.D
 Acq: 22 Aug 2020 00:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 6573
 Ion Ratio Lower Upper
 330 100
 332 90.9 76.9 115.3
 141 44.7 22.8 34.2#

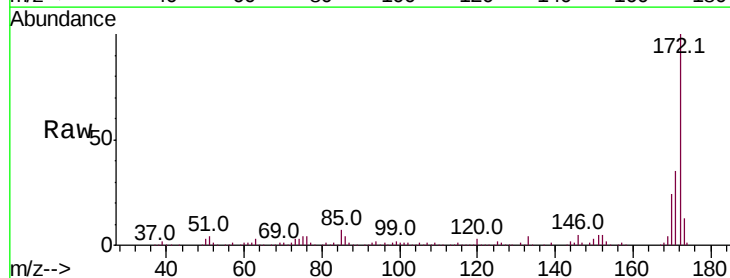


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

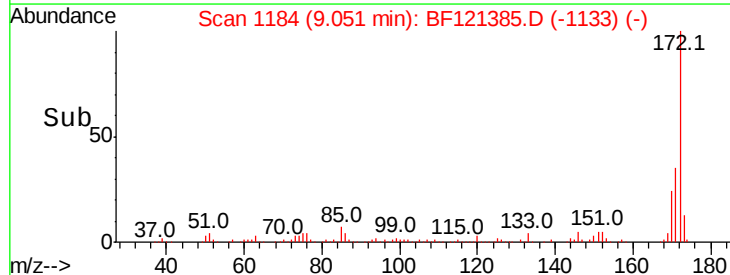
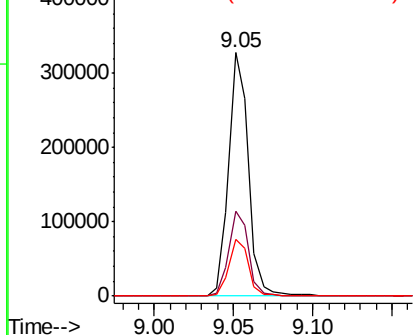


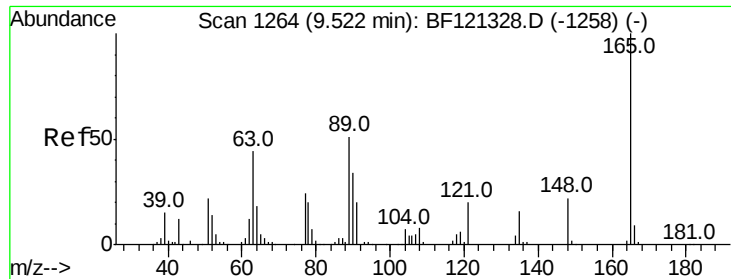
#45
 2-Fluorobiphenyl
 Concen: 7.474 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121385.D
 Acq: 22 Aug 2020 00:25

Tgt Ion:172 Resp: 285039
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 23.5 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.414 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampled :

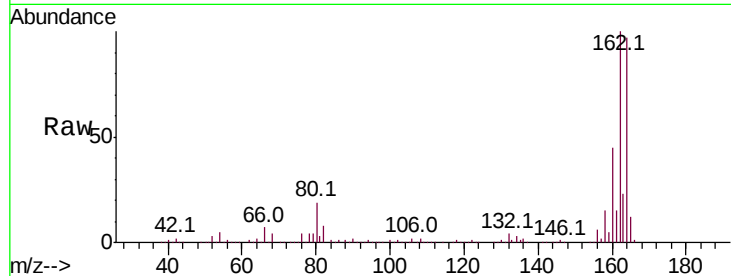
Tot Ion:165 Resp: 37133

Ion Ratio Lower Upper

165 100

63 0.9 38.5 57.7#

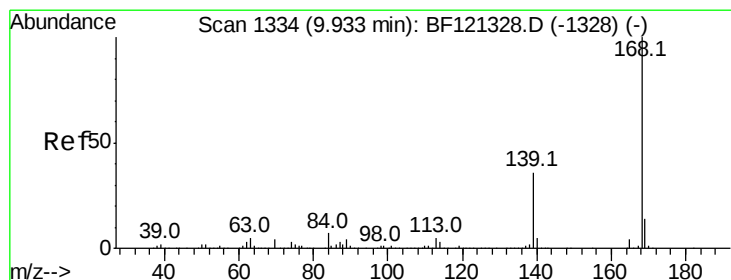
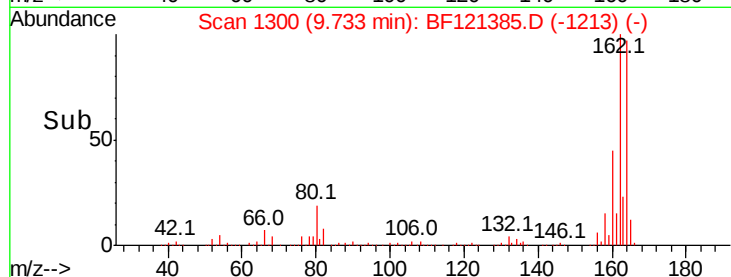
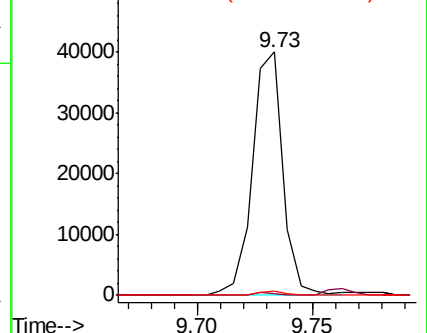
89 1.5 41.2 61.8#



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: BF121385.D

Acq: 22 Aug 2020 00:25

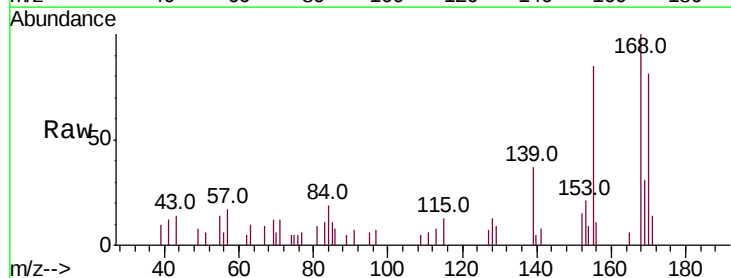
Tgt Ion:168 Resp: 6075

Ion Ratio Lower Upper

168 100

139 37.0 29.1 43.7

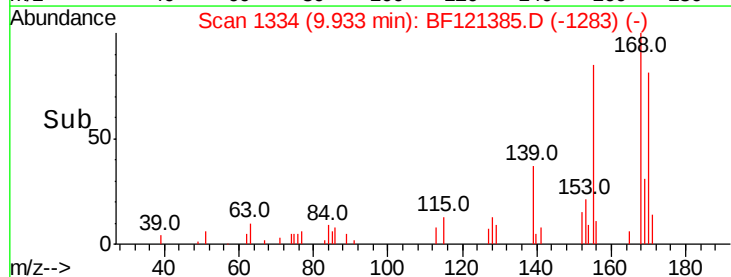
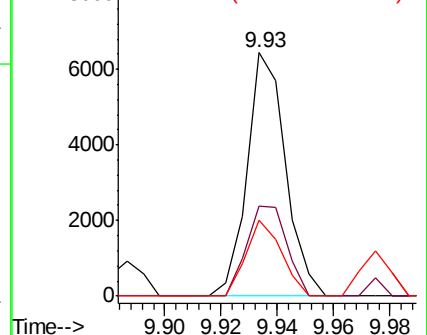
169 31.3 11.0 16.6#

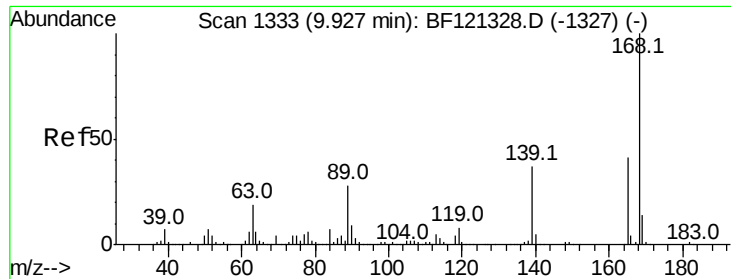


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

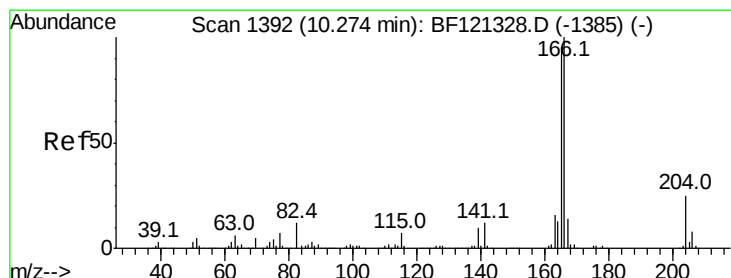
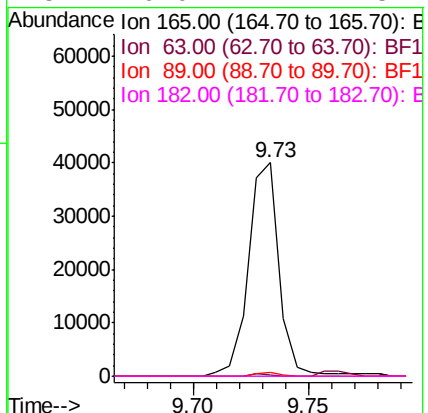
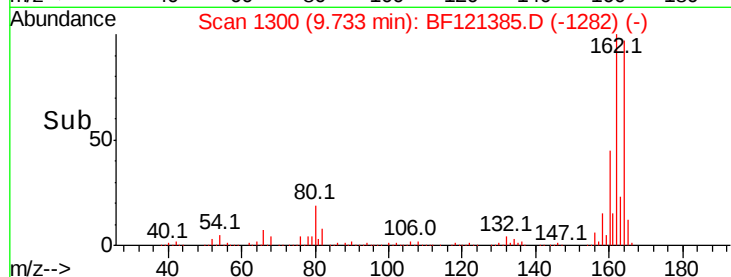
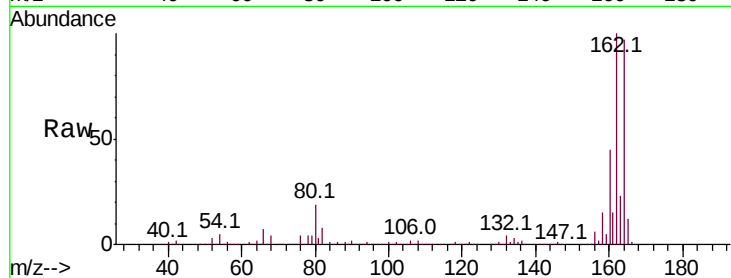




#57
2,4-Dinitrotoluene
Concen: 6.897 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.19 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

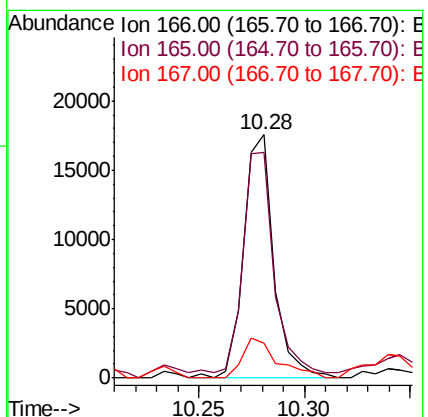
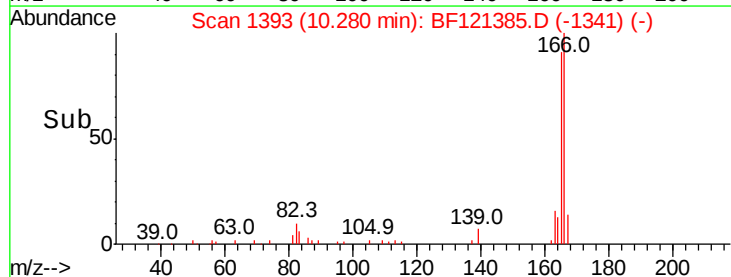
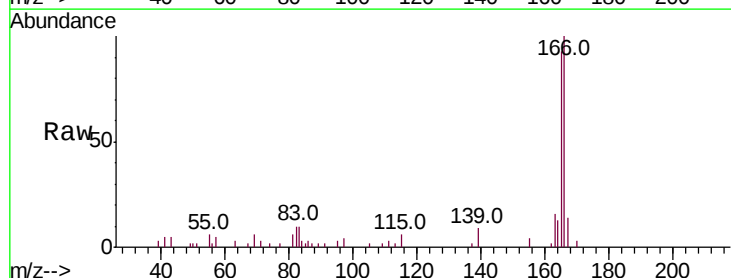
Instrument :
BNA_F
ClientSampleId :

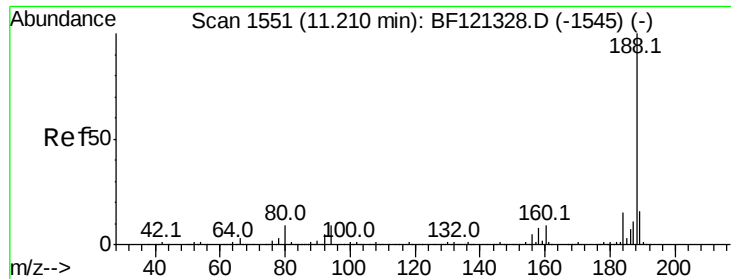
Tot Ion:165 Resp: 37133
Ion Ratio Lower Upper
165 100
63 0.9 37.5 56.3#
89 1.5 54.2 81.4#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: Below Cal
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Tgt Ion:166 Resp: 17414
Ion Ratio Lower Upper
166 100
165 92.7 75.8 113.8
167 14.2 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampleId :

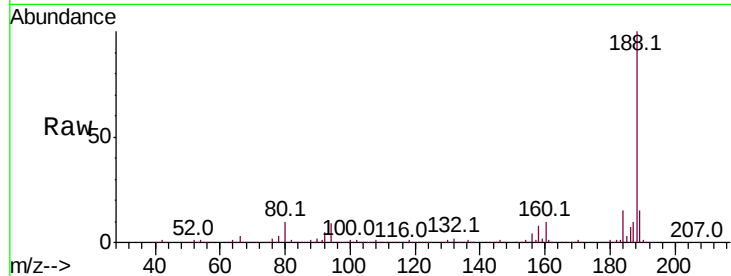
Tot Ion:188 Resp: 456948

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

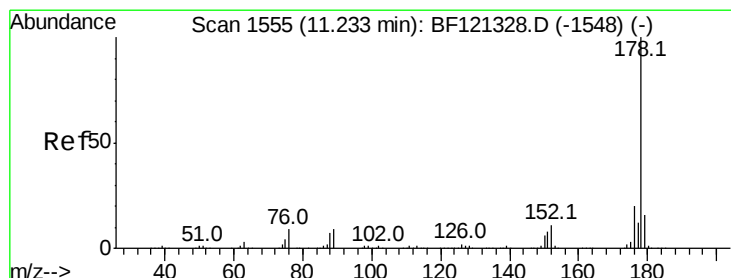
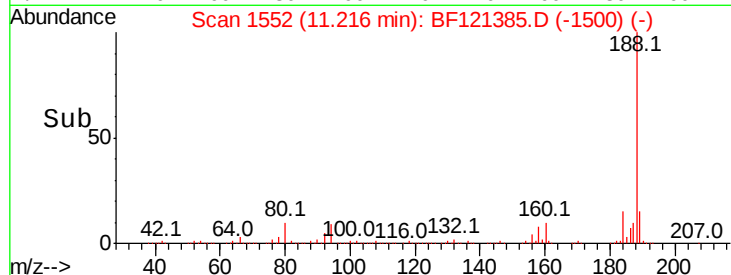
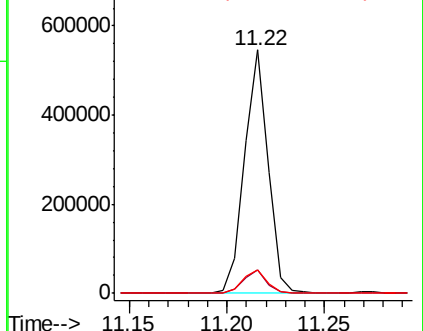
80 9.8 7.4 11.0



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: 4.807 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

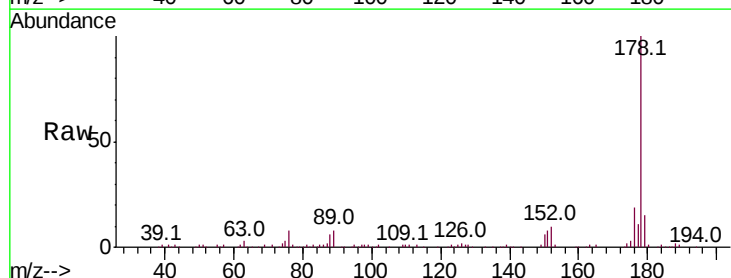
Tgt Ion:178 Resp: 113688

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

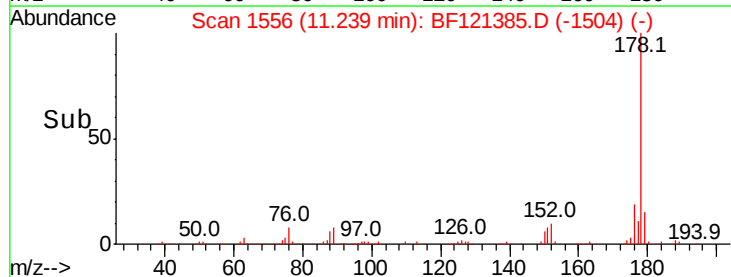
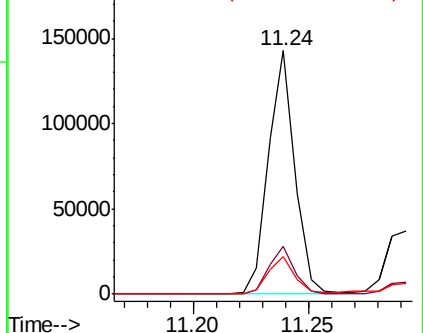
179 15.2 12.8 19.2

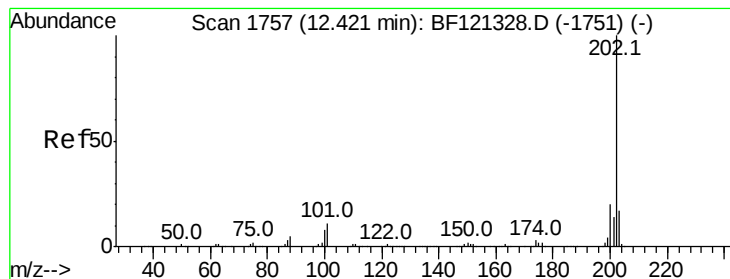


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.520 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampleId :

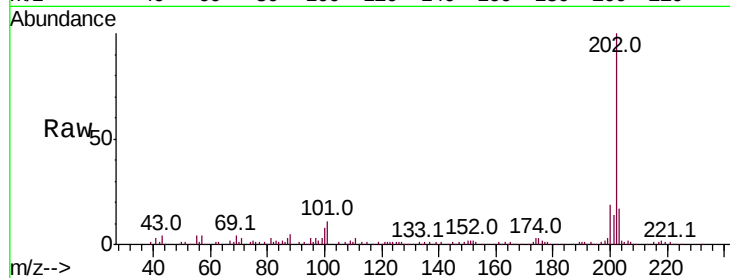
Tot Ion:202 Resp: 90346

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.6

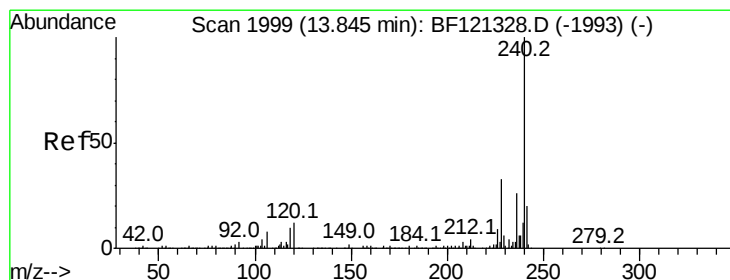
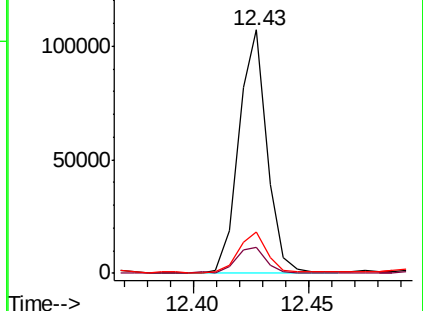
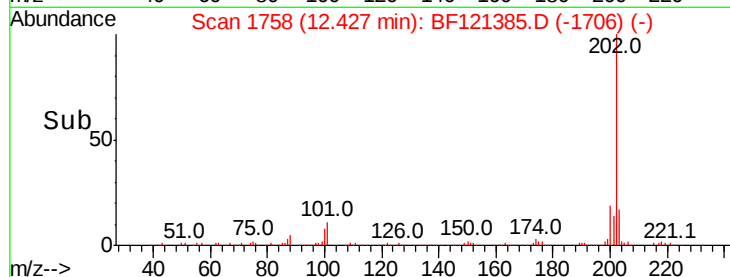
203 16.9 0.0 37.5



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: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

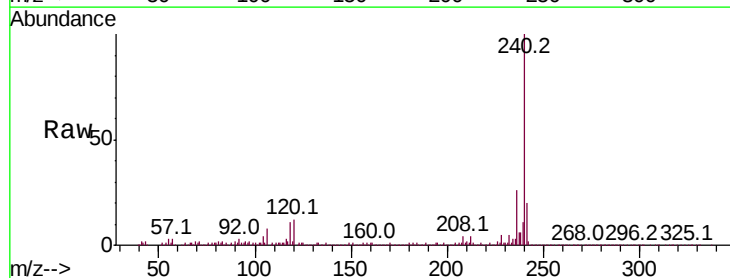
Tgt Ion:240 Resp: 350542

Ion Ratio Lower Upper

240 100

120 12.2 9.6 14.4

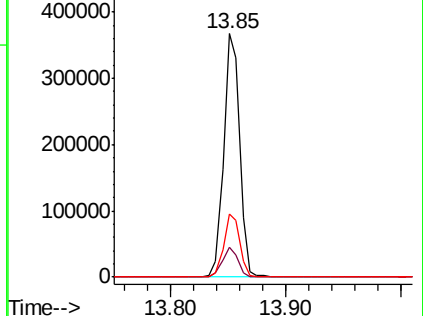
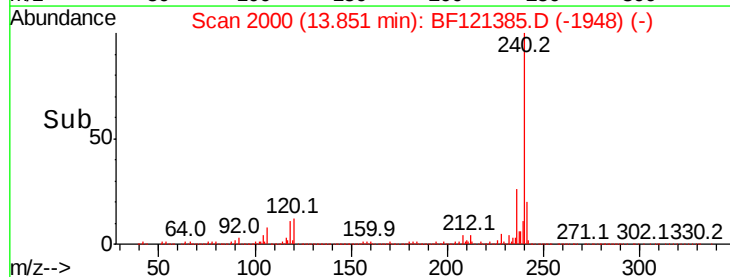
236 25.8 20.6 31.0

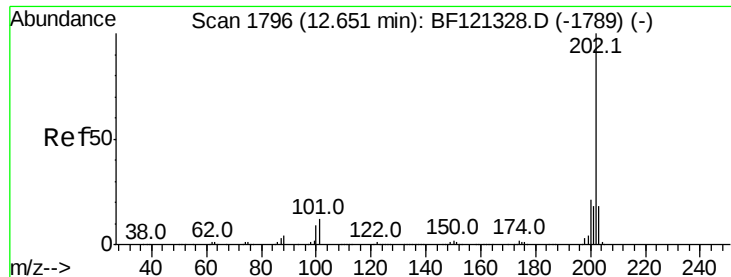


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

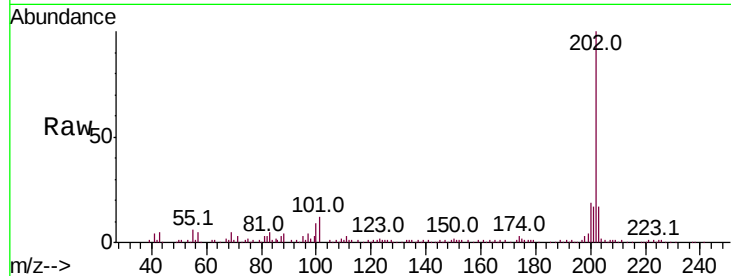




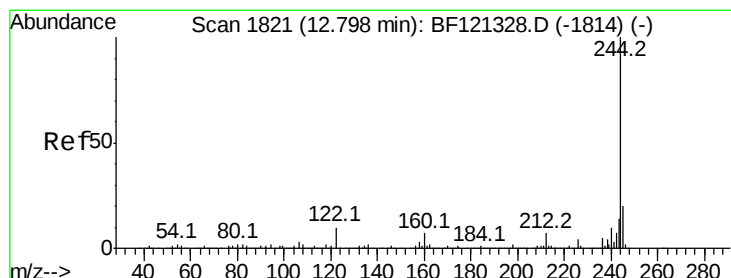
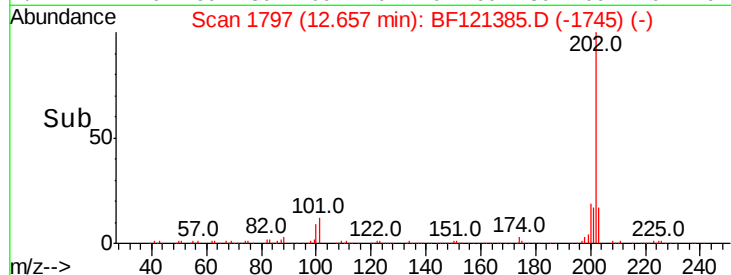
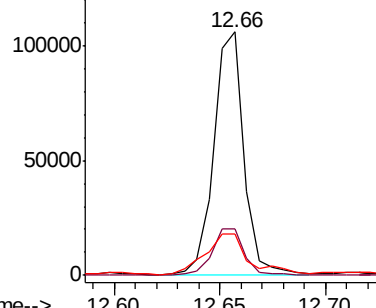
#78
Pvrene
Concen: 3.959 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.6	24.8
203	17.1	14.2	21.2

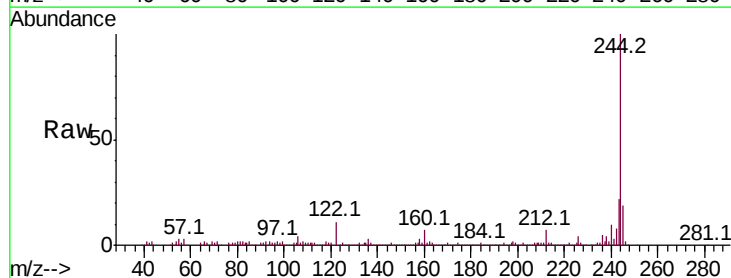


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

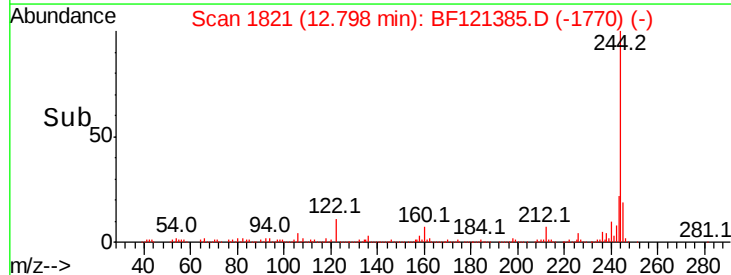
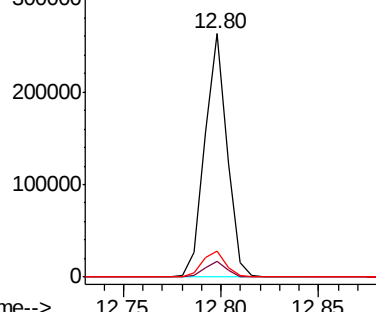


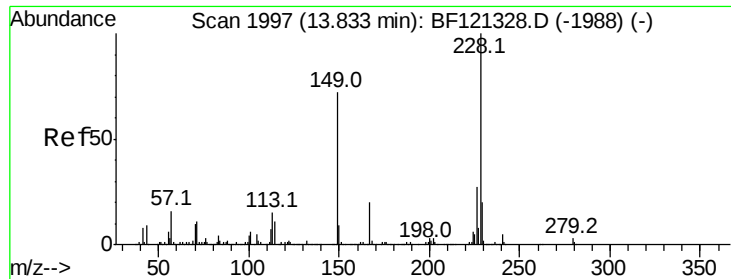
#79
Terphenyl-d14
Concen: 11.632 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.7	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

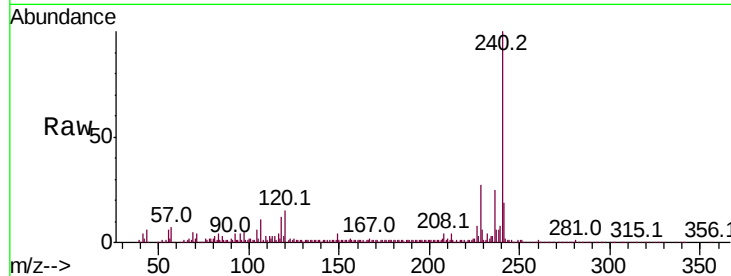




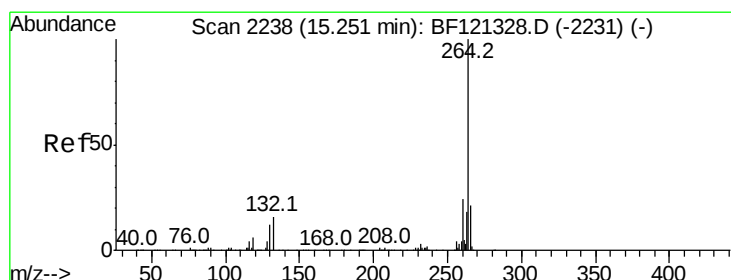
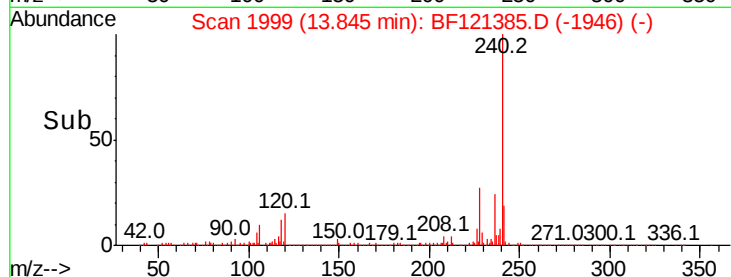
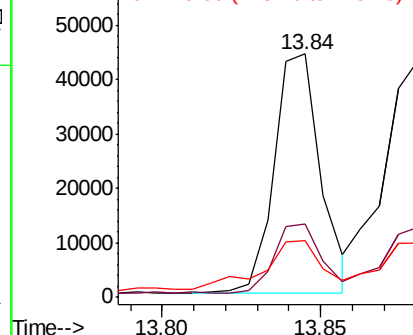
#81
Benzo(a)anthracene
Concen: 2.070 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 45064
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.6
229 23.6 15.8 23.8

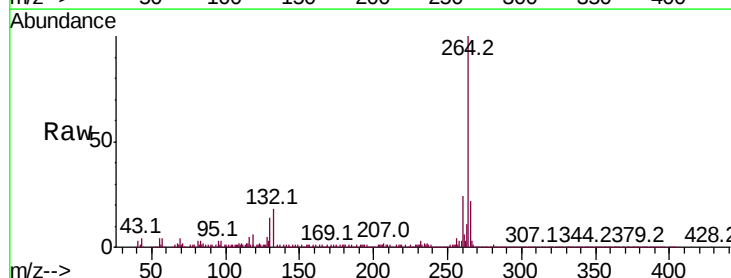


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

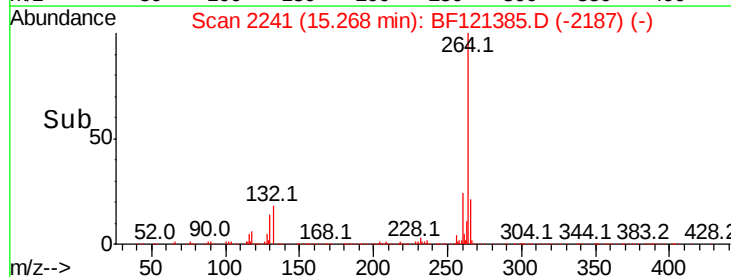
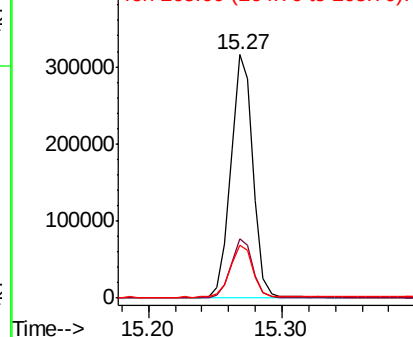


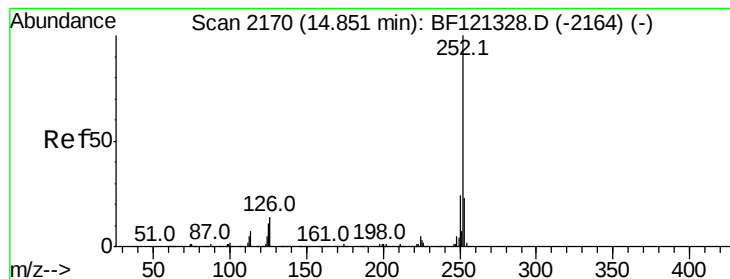
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121385.D
Acq: 22 Aug 2020 00:25

Tgt Ion:264 Resp: 367535
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.9 17.1 25.7



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





#88

Benzo(b)fluoranthene

Concen: 2.452 ng

RT: 14.87 min Scan# 2173

Delta R.T. 0.02 min

Lab File: BF121385.D

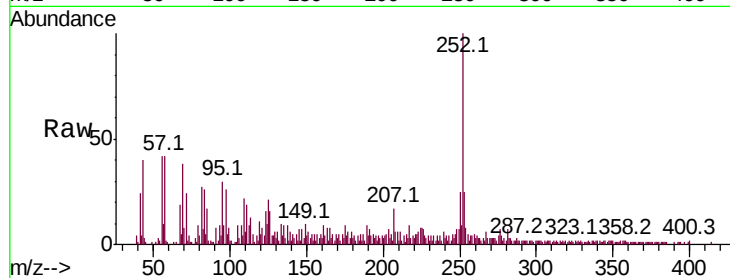
Acq: 22 Aug 2020 00:25

Instrument :

BNA_F

ClientSampleId :

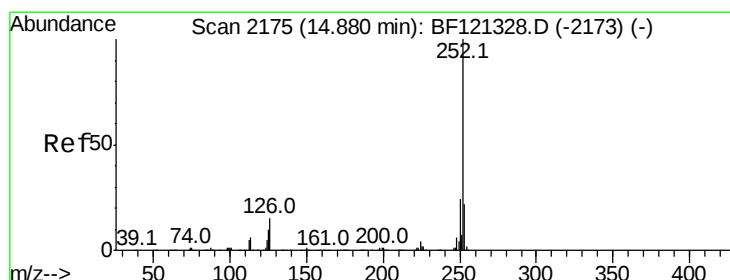
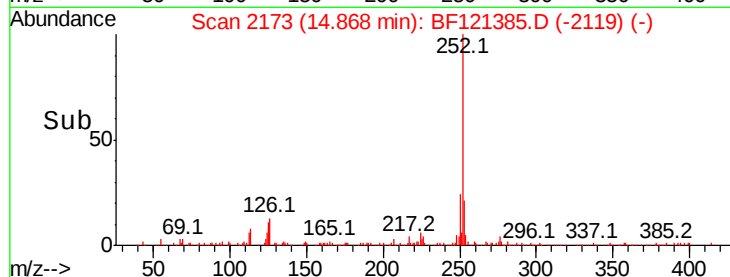
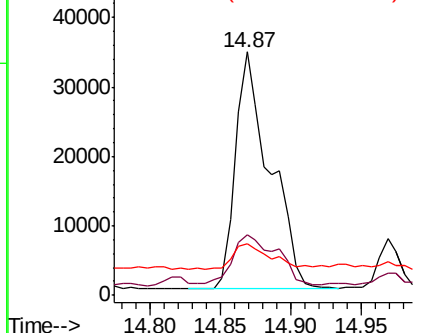
Tot Ion:252	Resp:	58222
Ion Ratio	Lower	Upper
252	100	
253	25.0	18.0 27.0
125	21.2	8.6 12.8#



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



#89

Benzo(k)fluoranthene

Concen: 2.786 ng

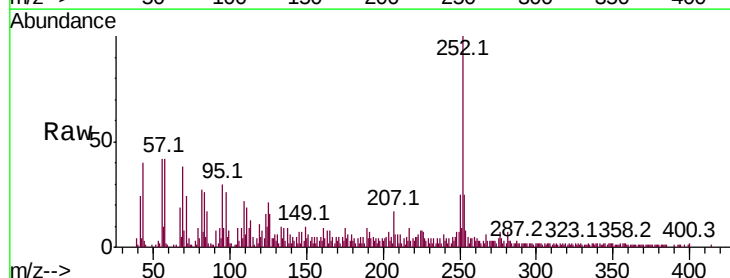
RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF121385.D

Acq: 22 Aug 2020 00:25

Tgt Ion:252	Resp:	58222
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.9 26.9
125	21.2	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

