

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121351.D
 Acq On : 20 Aug 2020 17:14
 Operator : JU/CG
 Sample : L3689-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-4-8FT

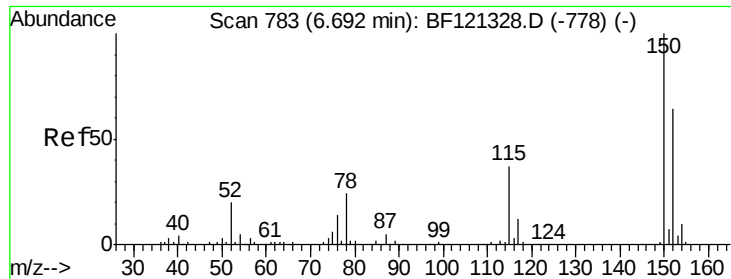
Quant Time: Aug 20 18:07:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	151387	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	574847	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	285360	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	500525	20.00	ng	0.00
76) Chrysene-d12	13.84	240	371853	20.00	ng	0.00
86) Perylene-d12	15.26	264	410025	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	751836	81.43	ng	0.00
7) Phenol-d6	6.34	99	914969	77.63	ng	0.00
23) Nitrobenzene-d5	7.26	82	595200	58.56	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	243773	73.31	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1082565	70.64	ng	0.00
79) Terphenyl-d14	12.80	244	966789	50.81	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	78590	12.399	ng	# 78
25) Isophorone	7.26	82	595192	32.177	ng	# 65
50) Dimethylphthalate	9.45	163	114873	5.533	ng	# 99
55) Dibenzofuran	9.93	168	1192	Below Cal		# 89
57) 2,4-Dinitrotoluene	9.73	165	36248	6.701	ng	# 25
58) Fluorene	10.27	166	1244	Below Cal		# 86
67) 4-Bromophenyl-phenylether	10.52	248	13871	2.498	ng	# 1
75) Fluoranthene	12.42	202	87640	3.117	ng	98
78) Pyrene	12.65	202	88722	3.176	ng	98
81) Benzo(a)anthracene	13.83	228	49348	2.137	ng	94
88) Benzo(b)fluoranthene	14.86	252	94611	3.572	ng	98
89) Benzo(k)fluoranthene	14.86	252	94611	4.058	ng	98
90) Benzo(a)pyrene	15.19	252	49646	2.169	ng	96

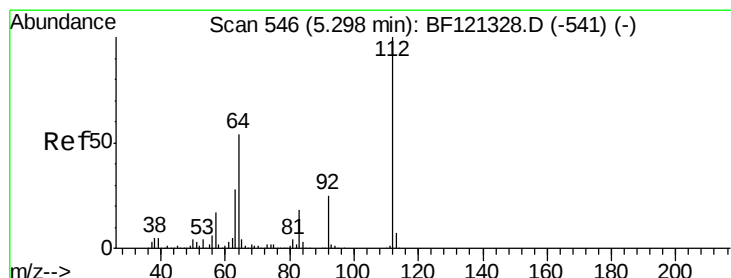
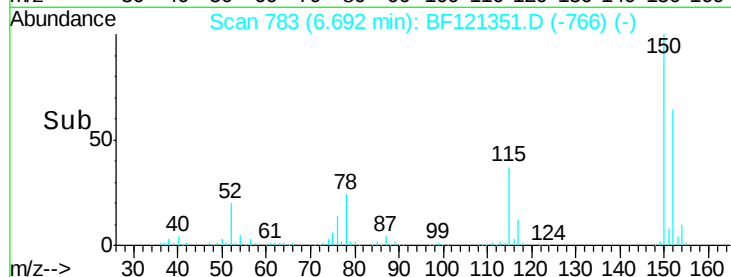
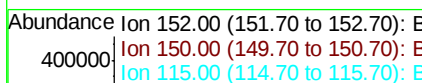
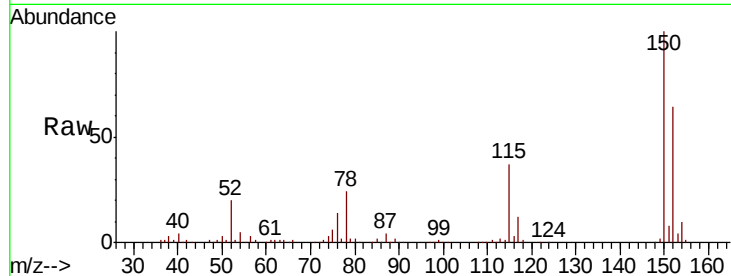
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

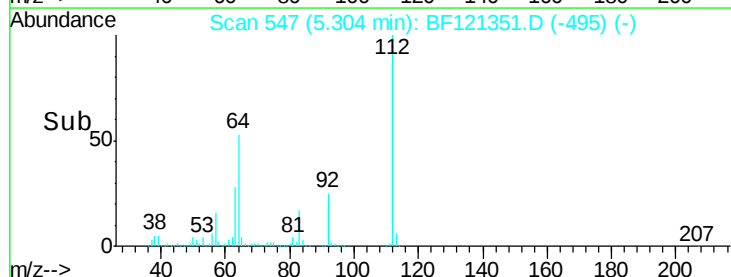
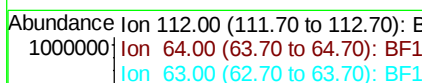
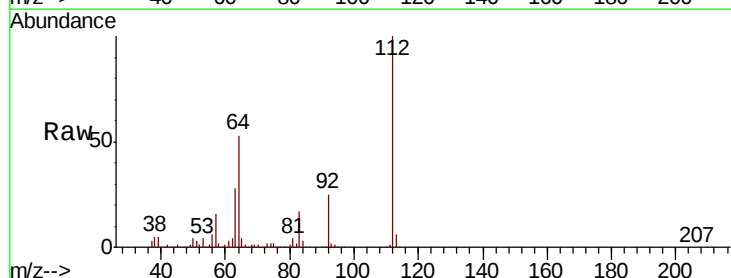
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-4-8FT

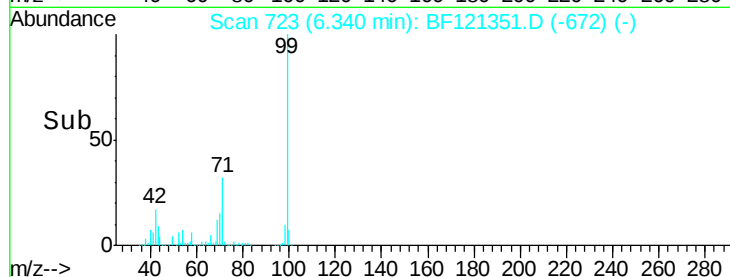
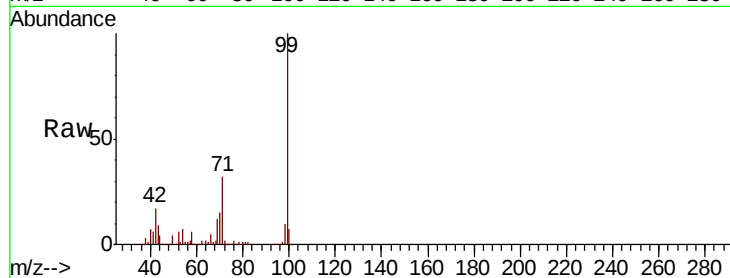
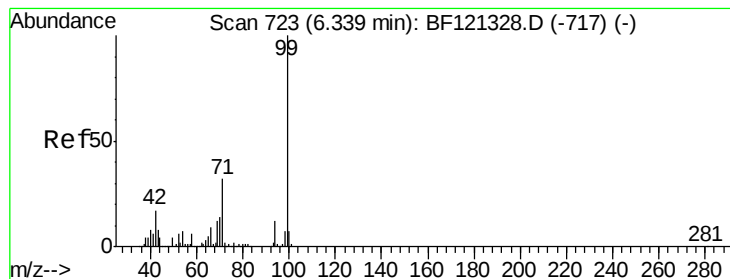
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.8	187.2
115	57.9	46.1	69.1



#5
 2-Fluorophenol
 Concen: 81.434 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.5	65.3
63	27.8	22.0	33.0





#7

Phenol-d6

Concen: 77.632 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

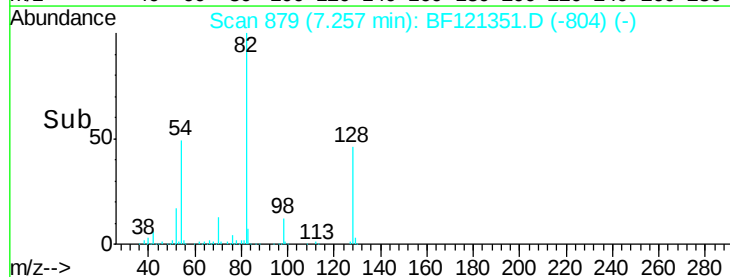
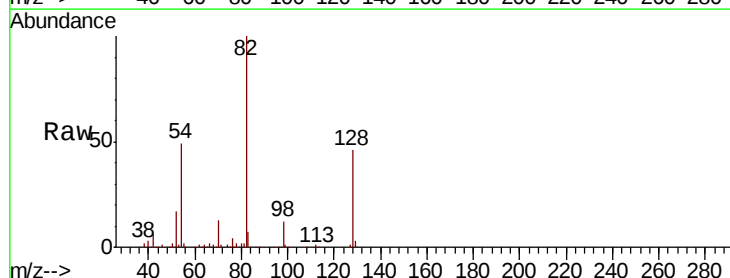
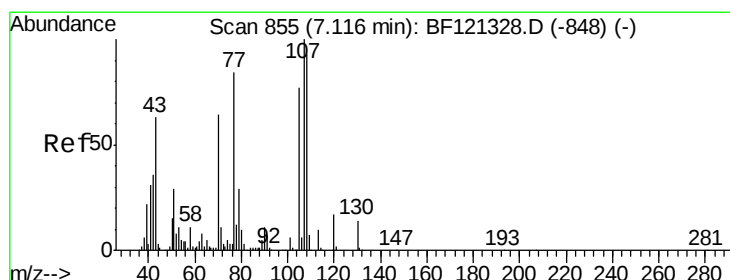
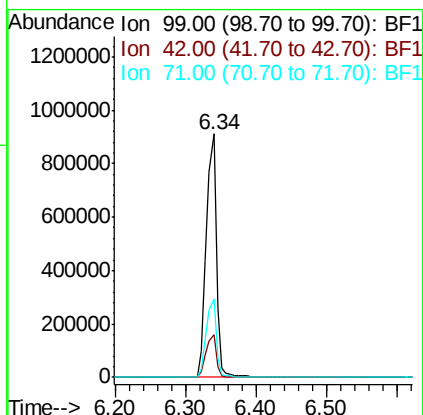
Tot Ion: 99 Resp: 914969

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 32.2 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.399 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Tgt Ion: 70 Resp: 78590

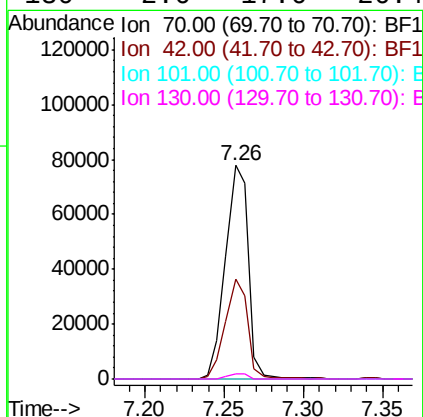
Ion Ratio Lower Upper

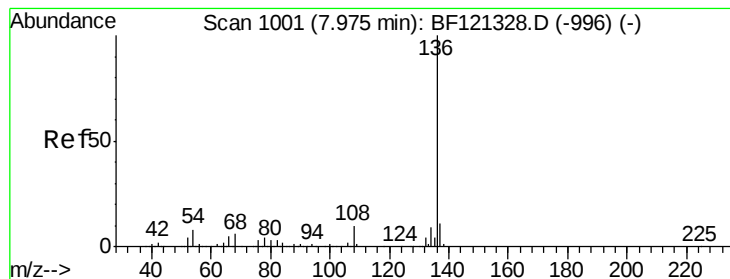
70 100

42 46.5 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: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

Tot Ion:136 Resp: 574847

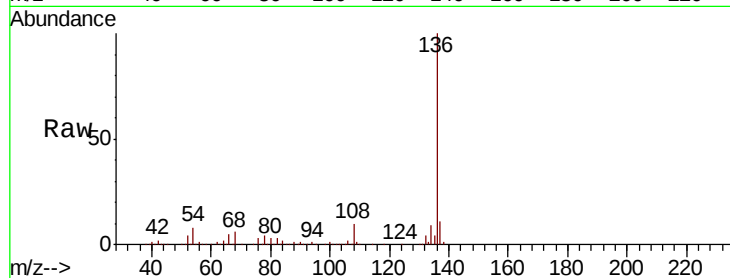
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.9 6.1 9.1

68 6.2 5.0 7.4

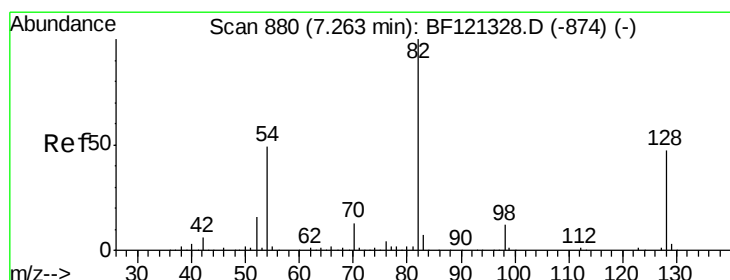
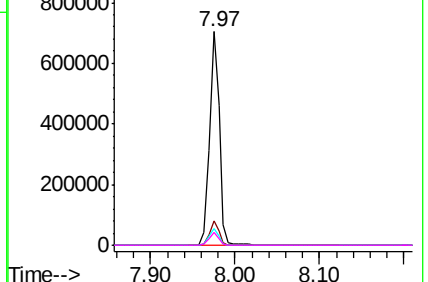
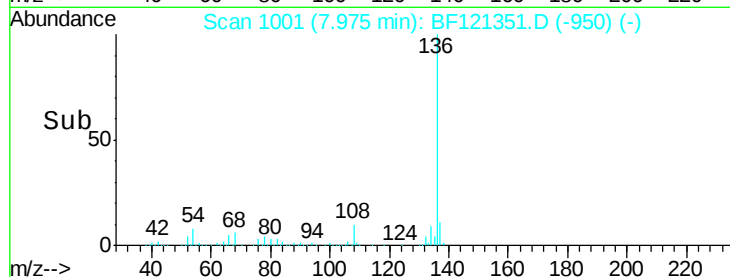


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.559 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

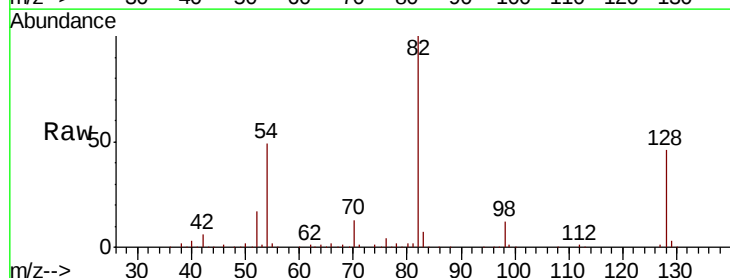
Tgt Ion: 82 Resp: 595200

Ion Ratio Lower Upper

82 100

128 45.9 37.9 56.9

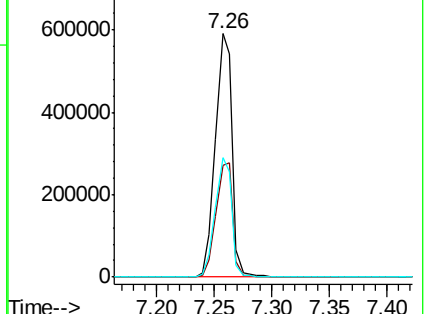
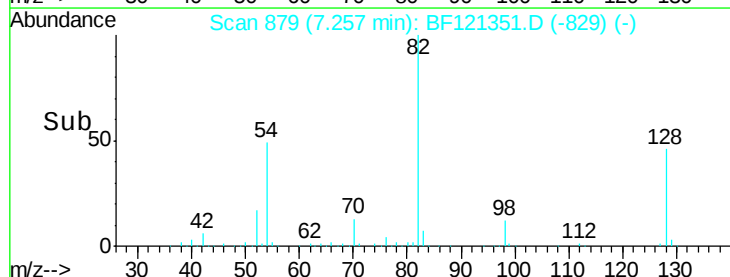
54 49.2 39.0 58.4

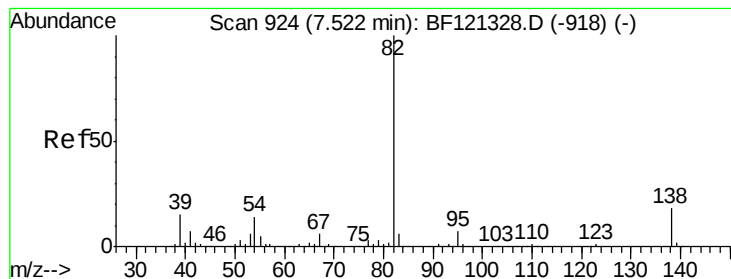


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.177 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

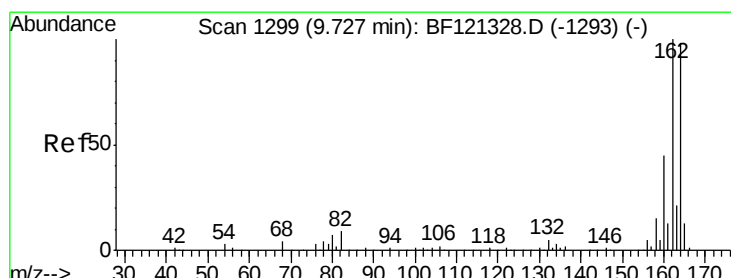
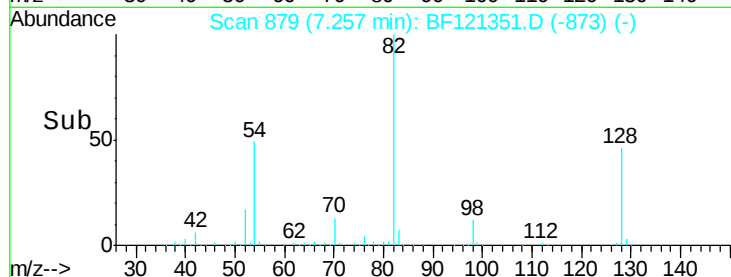
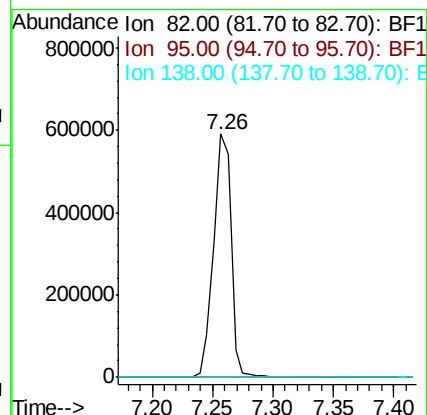
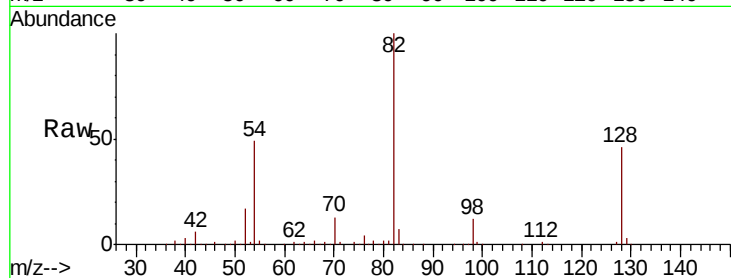
Tot Ion: 82 Resp: 595192

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: BF121351.D

Acq: 20 Aug 2020 17:14

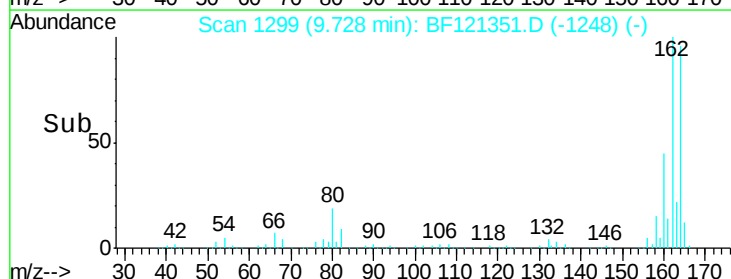
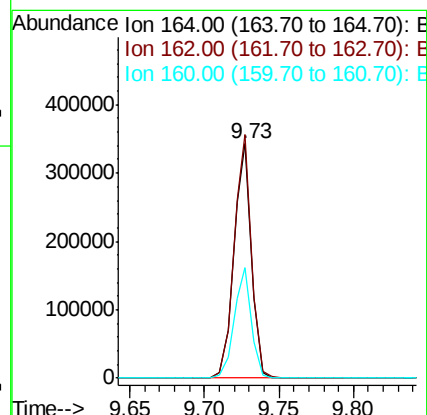
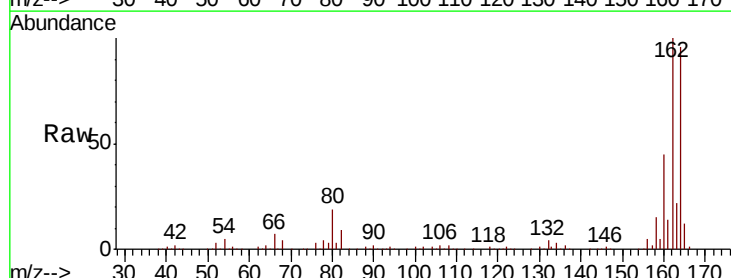
Tgt Ion: 164 Resp: 285360

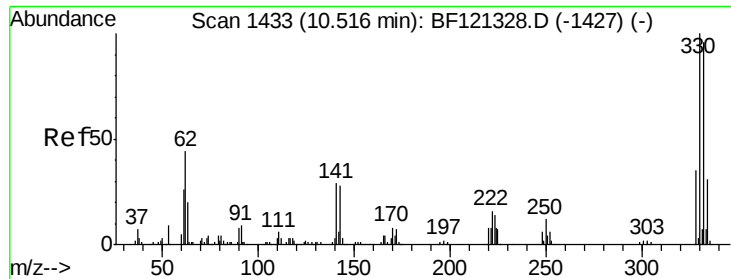
Ion Ratio Lower Upper

164 100

162 103.9 81.7 122.5

160 47.0 37.0 55.4

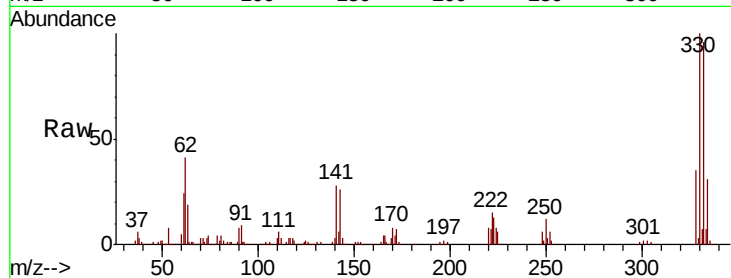




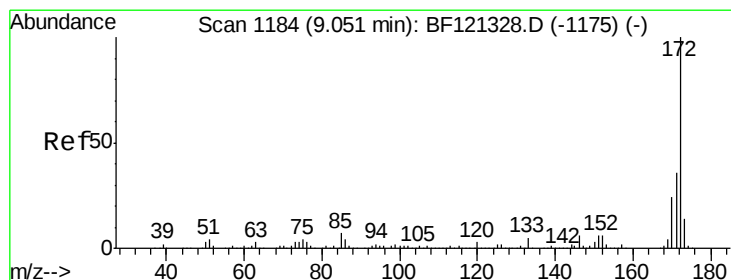
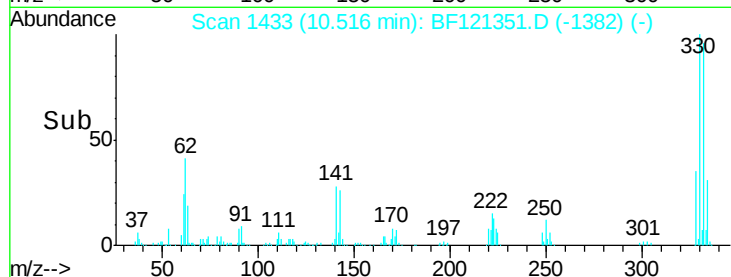
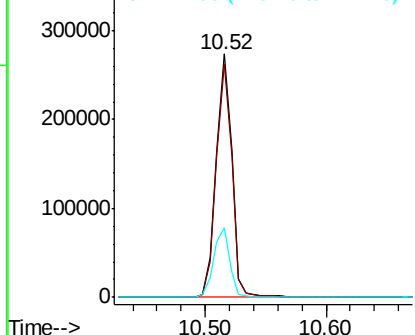
#42
 2,4,6-Tribromophenol
 Concen: 73.308 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-4-8FT

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	29.2	22.8	34.2

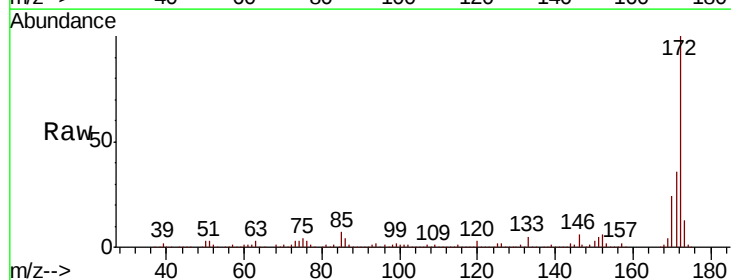


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

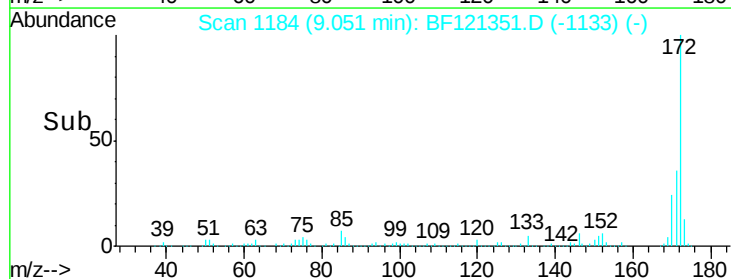
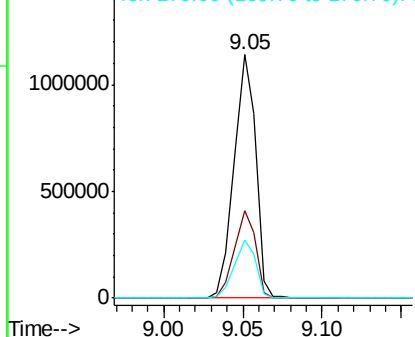


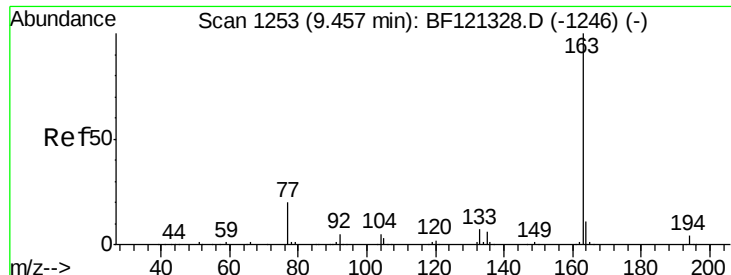
#45
 2-Fluorobiphenyl
 Concen: 70.644 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	23.9	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: 5.533 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

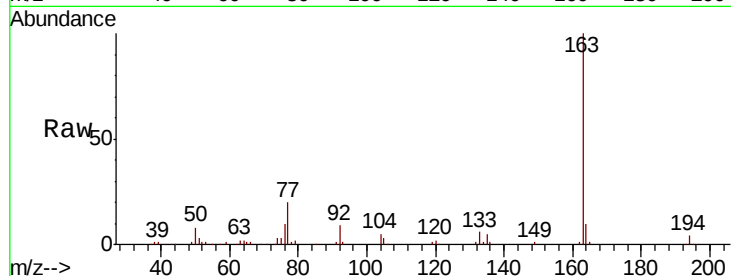
Tot Ion:163 Resp: 114873

Ion Ratio Lower Upper

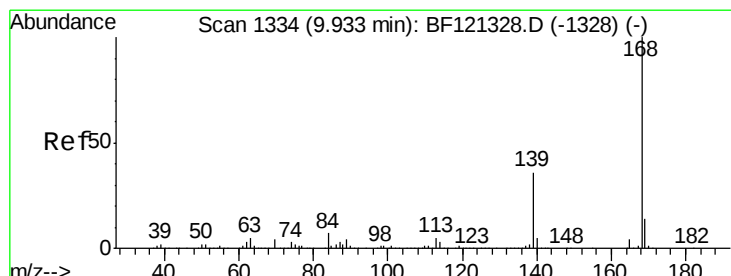
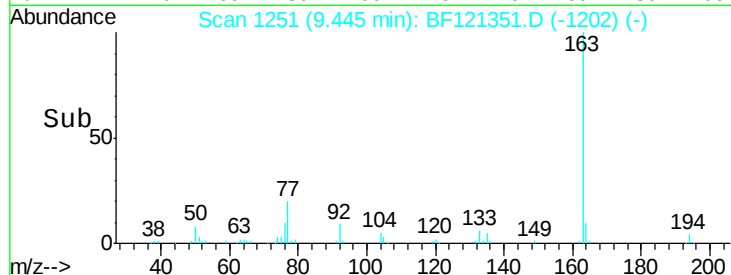
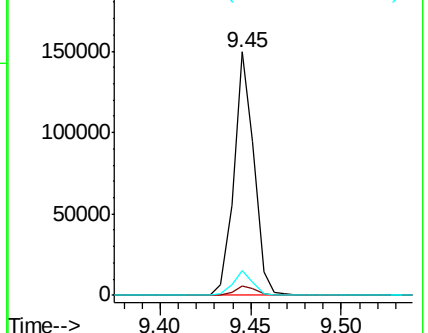
163 100

194 3.8 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: BF121351.D

Acq: 20 Aug 2020 17:14

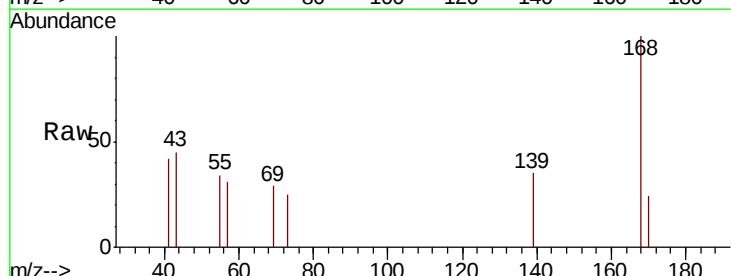
Tgt Ion:168 Resp: 1192

Ion Ratio Lower Upper

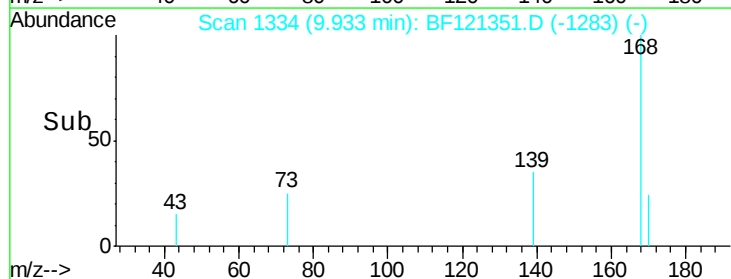
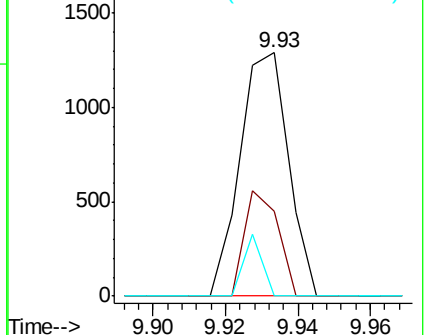
168 100

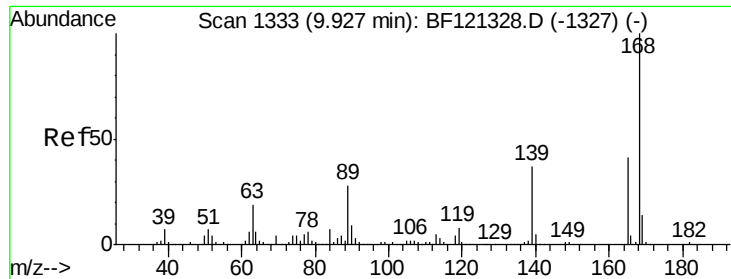
139 34.7 29.1 43.7

169 0.0 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

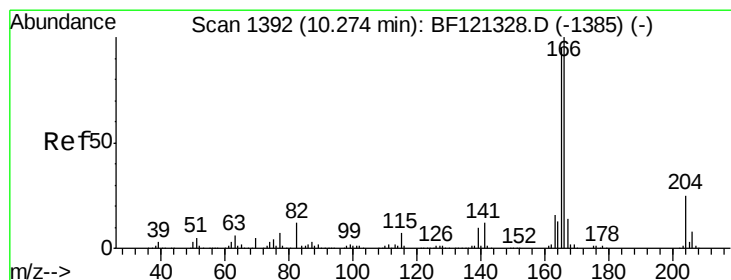
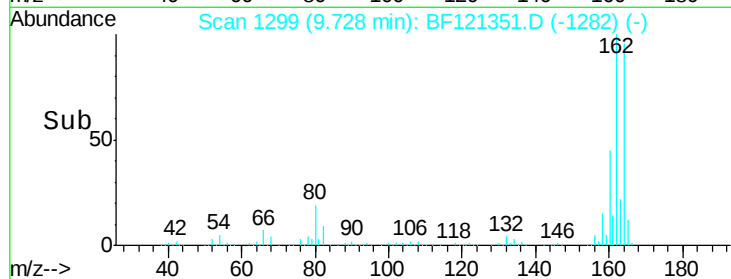
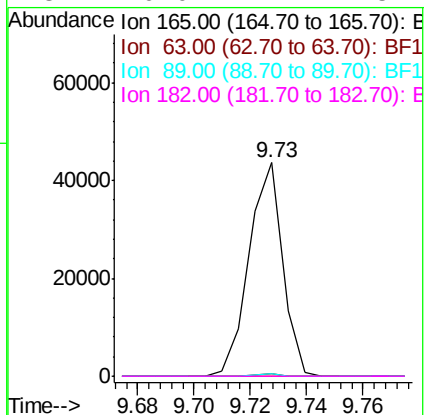
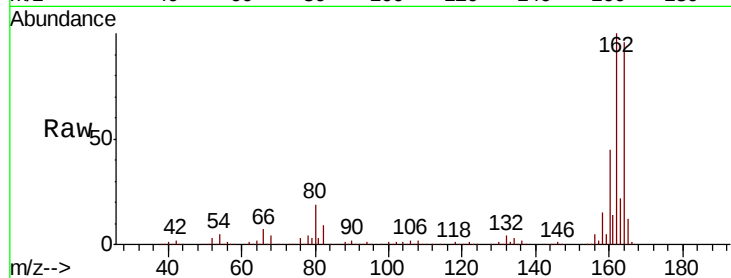




#57
 2,4-Dinitrotoluene
 Concen: 6.701 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

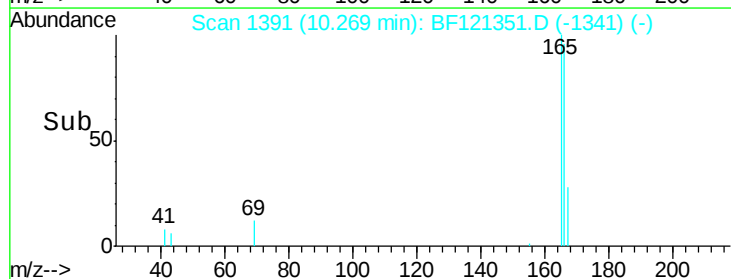
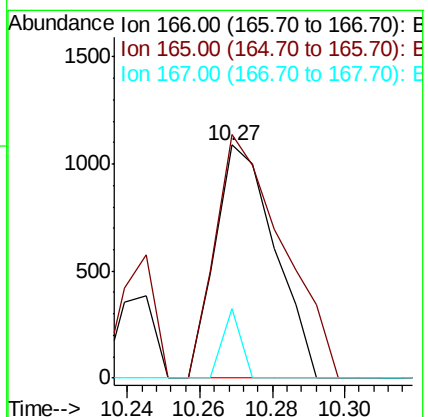
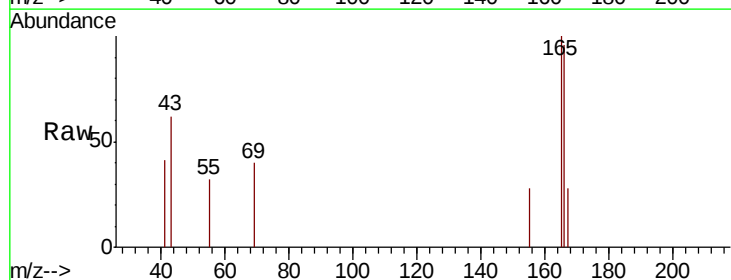
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-4-8FT

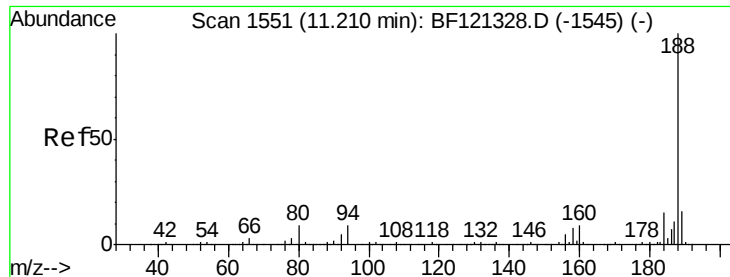
Tot Ion:165	Resp:	36248
Ion Ratio	Lower	Upper
165	100	
63	0.9	37.5 56.3#
89	1.2	54.2 81.4#
182	0.0	2.2 3.4#



#58
 Fluorene
 Concen: Below Cal
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

Tgt Ion:166	Resp:	1244
Ion Ratio	Lower	Upper
166	100	
165	104.5	75.8 113.8
167	29.7	11.0 16.4#

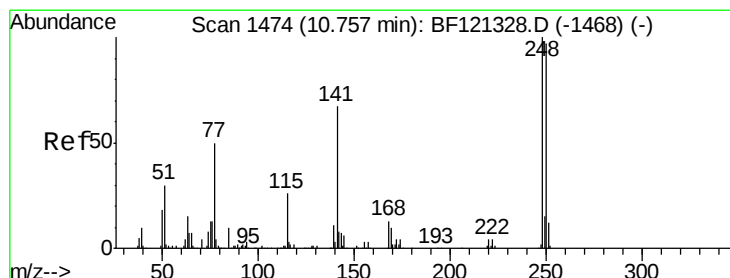
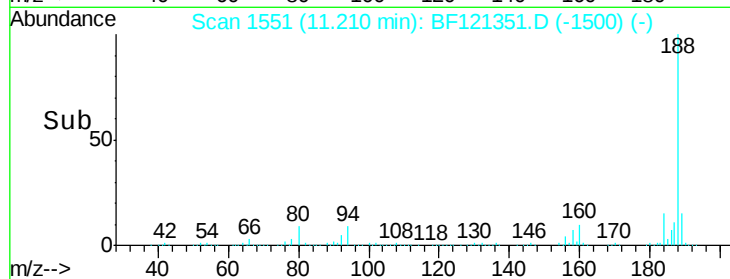
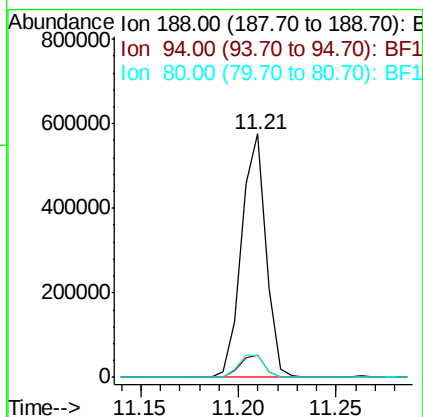
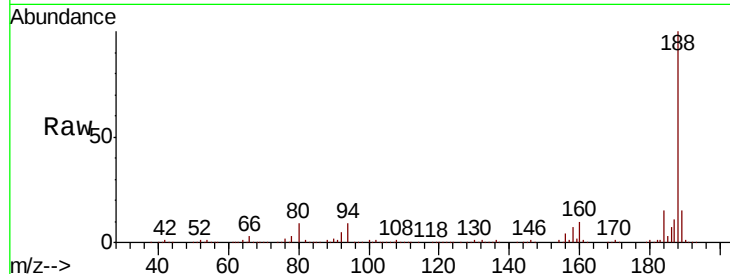




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

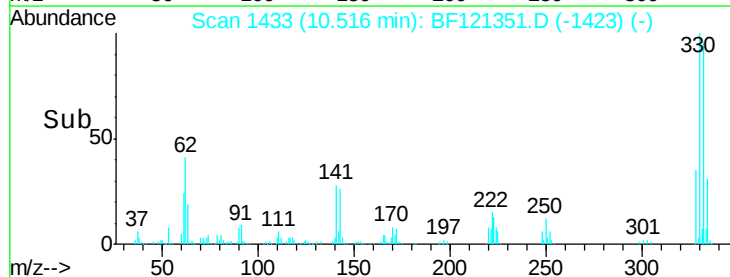
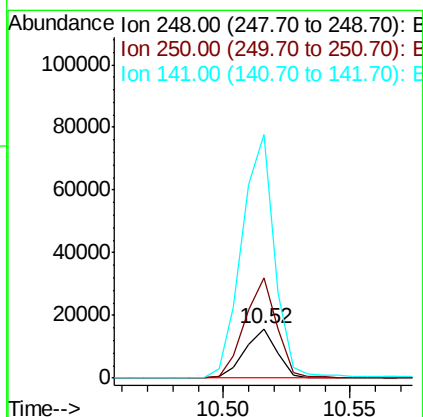
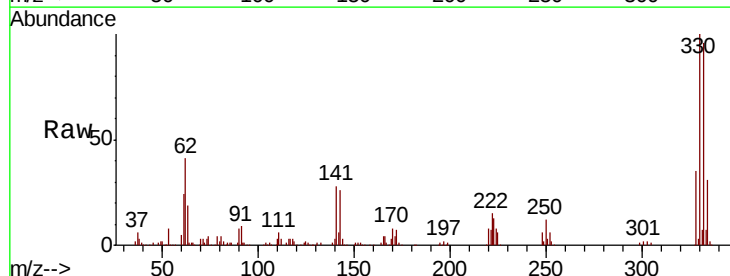
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-4-8FT

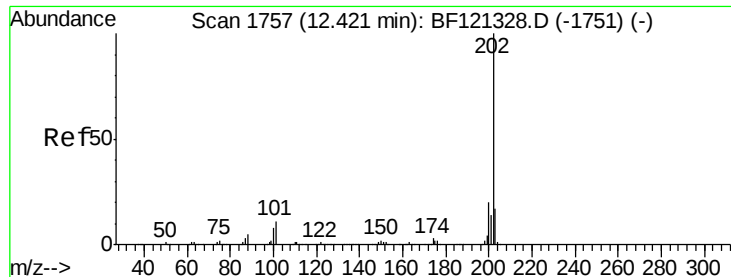
Tot Ion:188	Resp:	500525
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.2 10.8
80	9.2	7.4 11.0



#67
 4-Bromophenyl-phenylether
 Concen: 2.498 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.24 min
 Lab File: BF121351.D
 Acq: 20 Aug 2020 17:14

Tgt Ion:248	Resp:	13871
Ion Ratio	Lower	Upper
248	100	
250	203.5	77.9 116.9#
141	496.5	53.5 80.3#





#75

Fluoranthene

Concen: 3.117 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

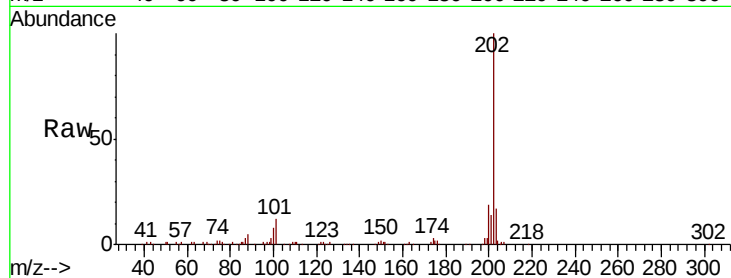
Tot Ion:202 Resp: 87640

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.6

203 17.3 0.0 37.5



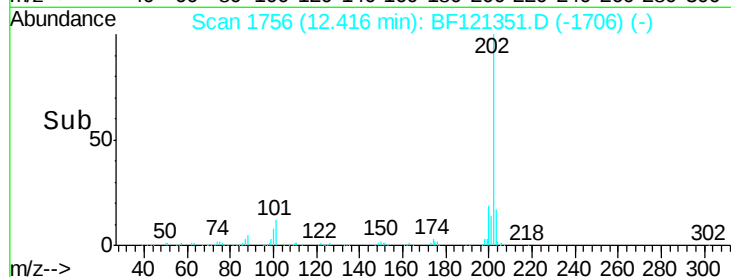
Abundance

Ion 202.00 (201.70 to 202.70): E

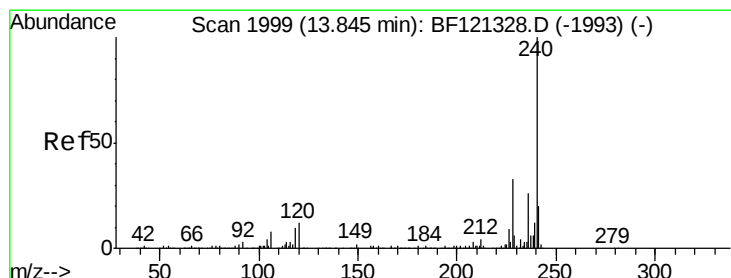
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.42



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

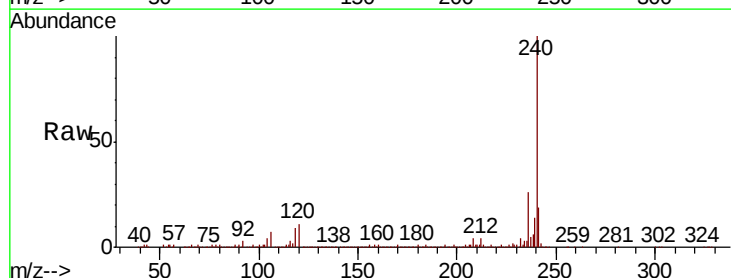
Tgt Ion:240 Resp: 371853

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

236 26.5 20.6 31.0



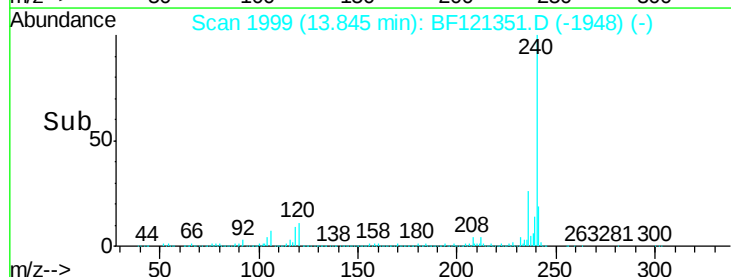
Abundance

Ion 240.00 (239.70 to 240.70): E

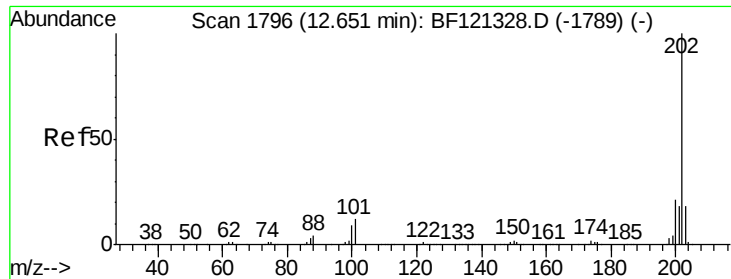
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.84



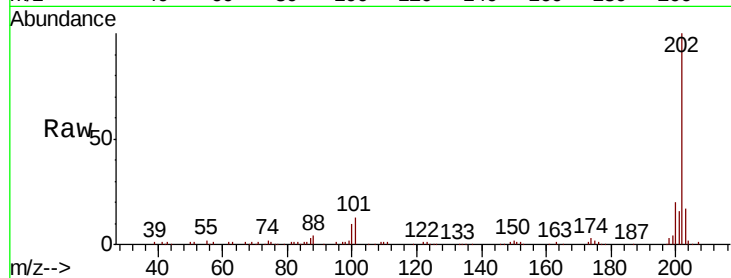
Time-->



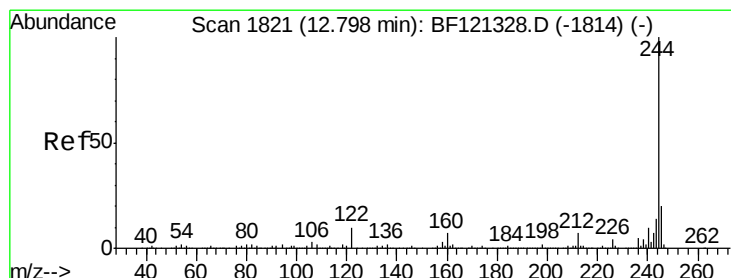
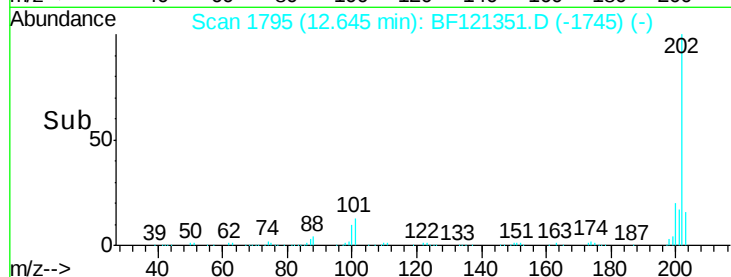
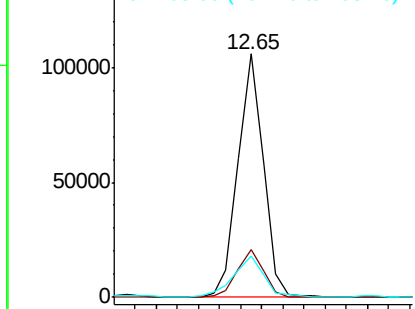
#78
Pvrene
Concen: 3.176 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF121351.D
Acq: 20 Aug 2020 17:14

Instrument :
BNA_F
ClientSampleId :
TP-1-4-8FT

Tot Ion:202 Resp: 88722
Ion Ratio Lower Upper
202 100
200 19.6 16.6 24.8
203 16.7 14.2 21.2

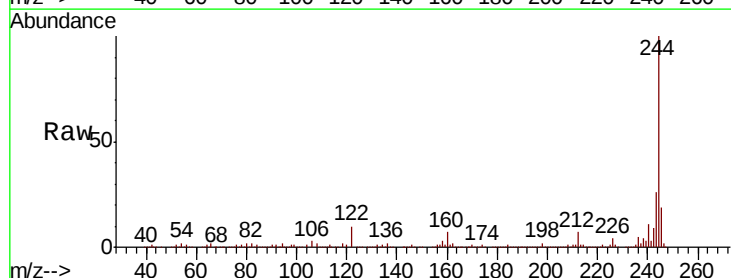


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

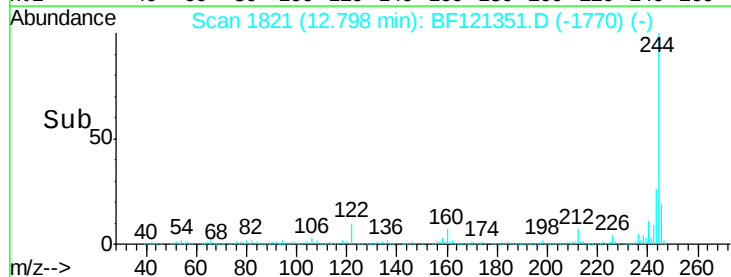
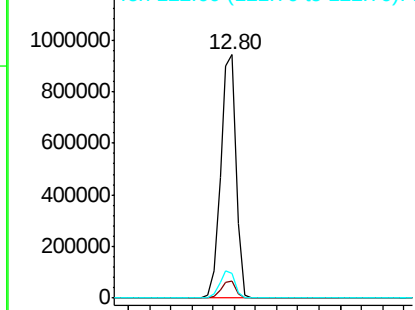


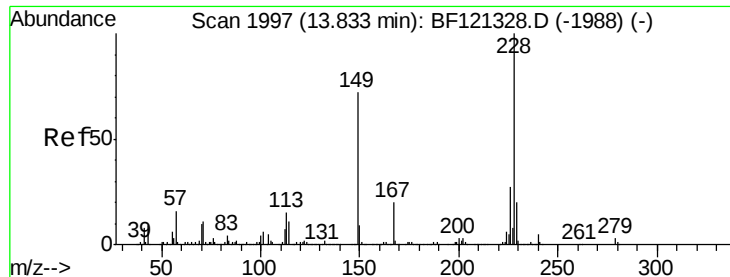
#79
Terphenyl-d14
Concen: 50.806 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121351.D
Acq: 20 Aug 2020 17:14

Tgt Ion:244 Resp: 966789
Ion Ratio Lower Upper
244 100
212 6.9 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

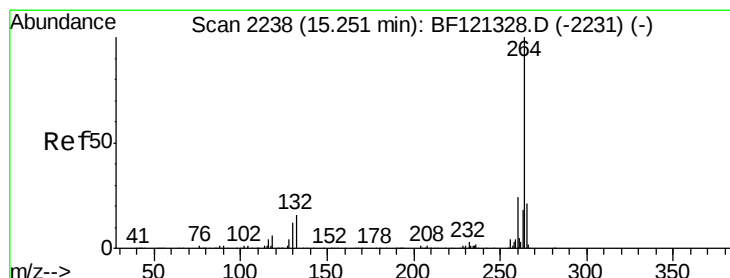
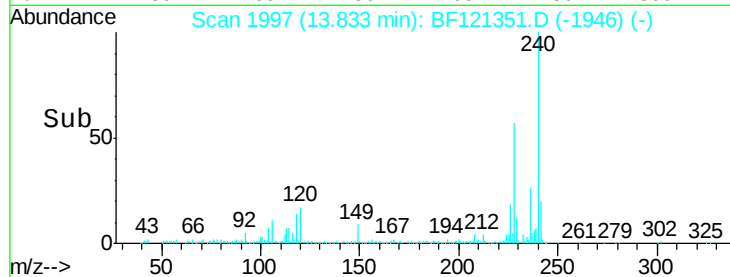
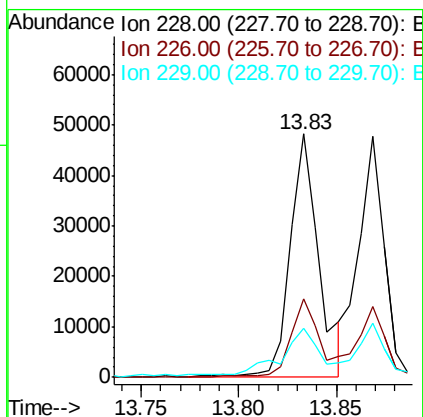
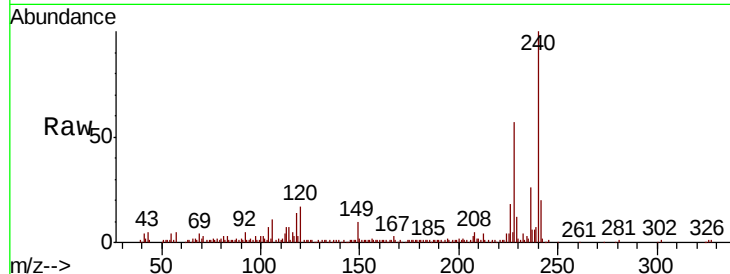




#81
Benzo(a)anthracene
Concen: 2.137 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF121351.D
Acq: 20 Aug 2020 17:14

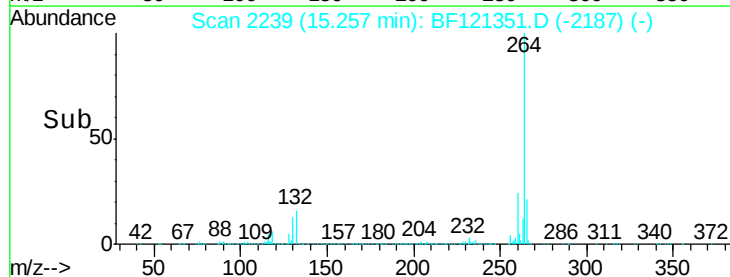
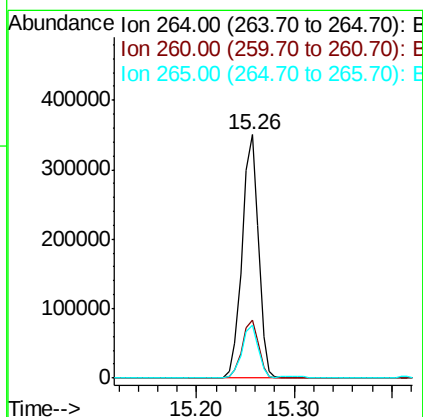
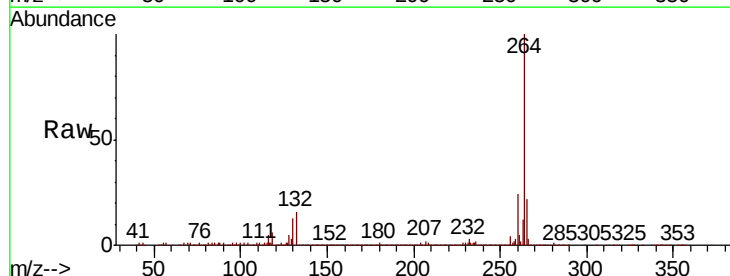
Instrument :
BNA_F
ClientSampleId :
TP-1-4-8FT

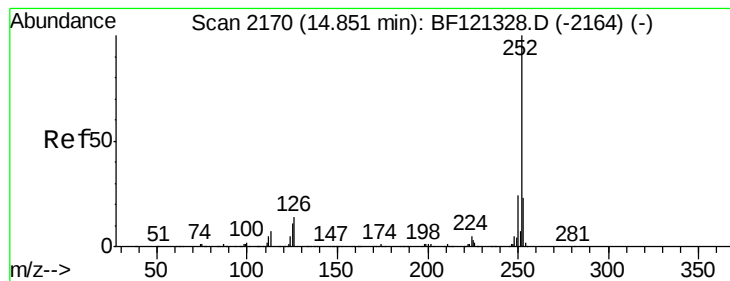
Tot Ion:228 Resp: 49348
Ion Ratio Lower Upper
228 100
226 32.1 21.8 32.6
229 20.3 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF121351.D
Acq: 20 Aug 2020 17:14

Tgt Ion:264 Resp: 410025
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.7 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.572 ng

RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

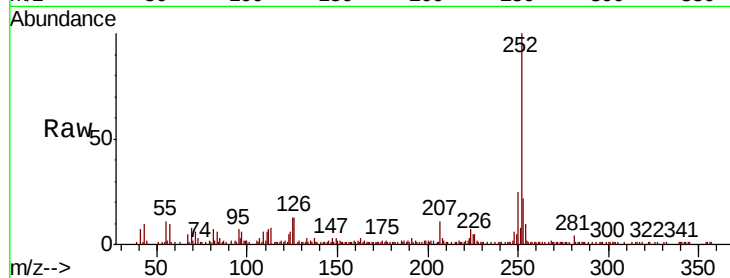
Tot Ion:252 Resp: 94611

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

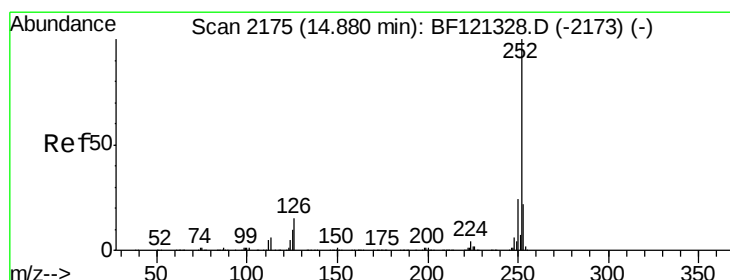
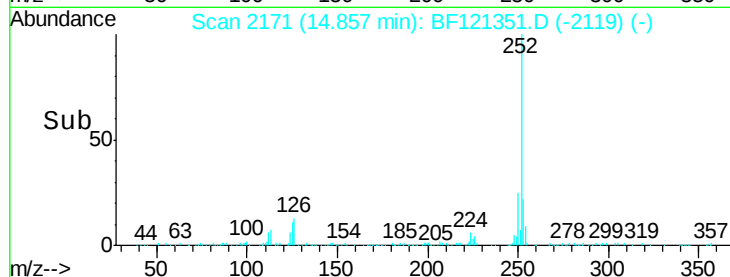
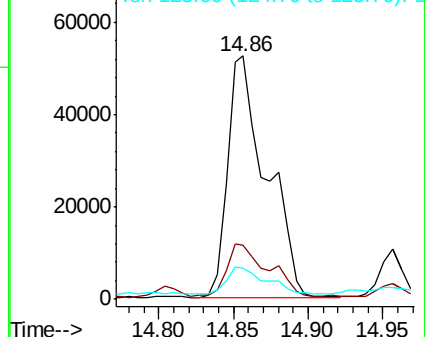
125 12.5 8.6 12.8



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



#89

Benzo(k)fluoranthene

Concen: 4.058 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

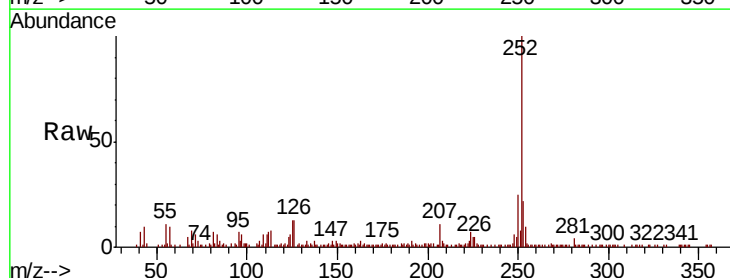
Tgt Ion:252 Resp: 94611

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

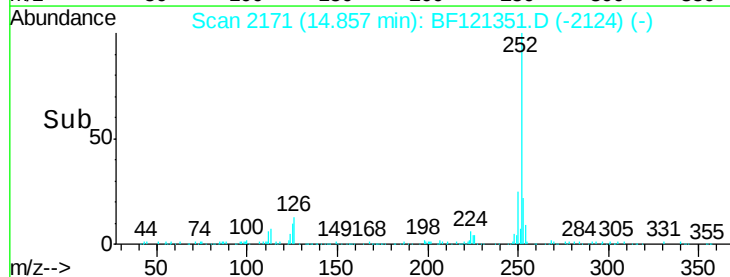
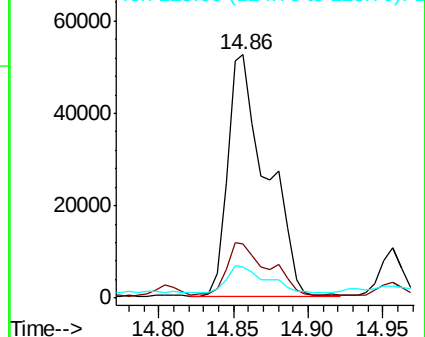
125 12.5 8.6 12.8

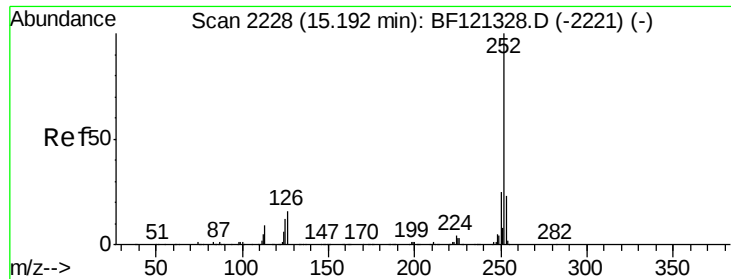


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.169 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BF121351.D

Acq: 20 Aug 2020 17:14

Instrument :

BNA_F

ClientSampleId :

TP-1-4-8FT

Tot Ion:252 Resp: 49646

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 13.8 9.4 14.0

