

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121340.D
 Acq On : 20 Aug 2020 11:39
 Operator : JU/CG
 Sample : L3712-13 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26982

Quant Time: Aug 20 12:31:45 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

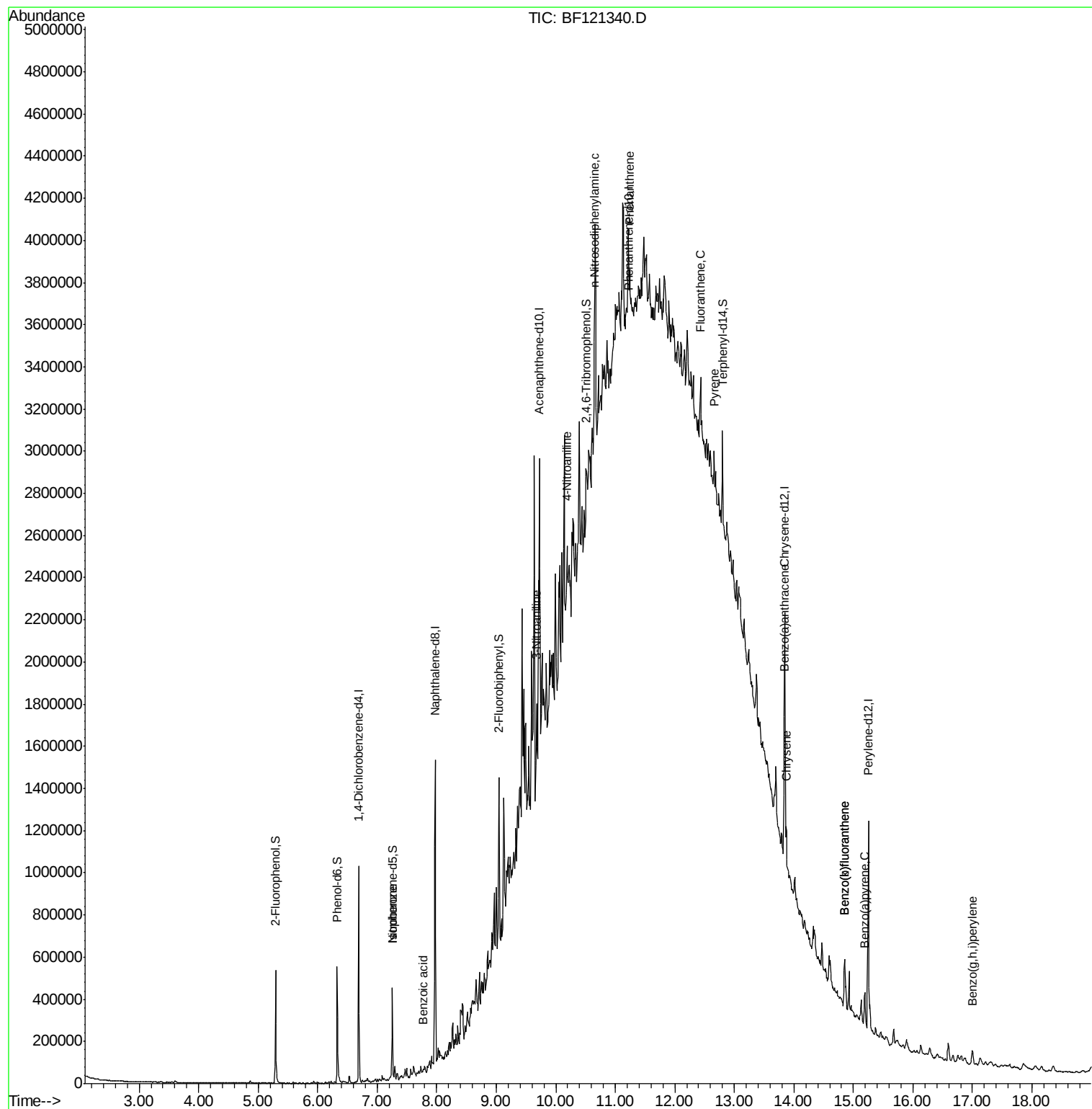
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	159512	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	604470	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	263140	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	358091	20.00	ng	0.01
76) Chrysene-d12	13.84	240	411478	20.00	ng	0.00
86) Perylene-d12	15.25	264	450358	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	170072	17.48	ng	0.00
7) Phenol-d6	6.33	99	206324	16.61	ng	-0.01
23) Nitrobenzene-d5	7.25	82	123228	11.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.52	330	45568	14.86	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	233010	4.80	ng	0.00
79) Terphenyl-d14	12.80	244	171637	8.15	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	7.13	107	965	Below Cal	#	79
25) Isophorone	7.25	82	122278	6.287 ng	#	66
32) Benzoic acid	7.77	122	1147	7.222 ng	#	59
53) 3-Nitroaniline	9.67	138	11021	2.155 ng	#	27
55) Dibenzofuran	9.93	168	7305	Below Cal	#	1
58) Fluorene	10.27	166	10638	Below Cal	#	15
61) 4-Chlorophenyl-phenylether	10.29	204	6659	Below Cal	#	1
62) 4-Nitroaniline	10.19	138	17575	3.354 ng		82
66) n-Nitrosodiphenylamine	10.65	169	40602	3.676 ng		91
71) Phenanthrene	11.25	178	67683	3.652 ng	#	76
75) Fluoranthene	12.43	202	136923	6.807 ng		94
78) Pvrene	12.66	202	123541	3.997 ng	#	96
81) Benzo(a)anthracene	13.83	228	76678	3.000 ng		95
83) Chrysene	13.87	228	80175	3.067 ng		96
88) Benzo(b)fluoranthene	14.85	252	145381	4.997 ng	#	97
89) Benzo(k)fluoranthene	14.85	252	145381	5.676 ng	#	97
90) Benzo(a)pvrene	15.19	252	69377	2.760 ng	#	97
92) Benzo(g,h,i)perylene	17.00	276	51384	2.332 ng		98

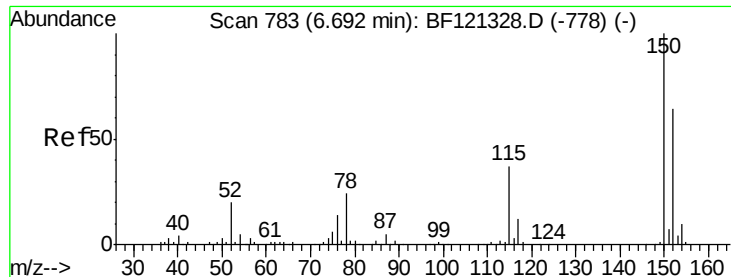
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121340.D
Acq On : 20 Aug 2020 11:39
Operator : JU/CG
Sample : L3712-13 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-26982

Quant Time: Aug 20 12:31:45 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



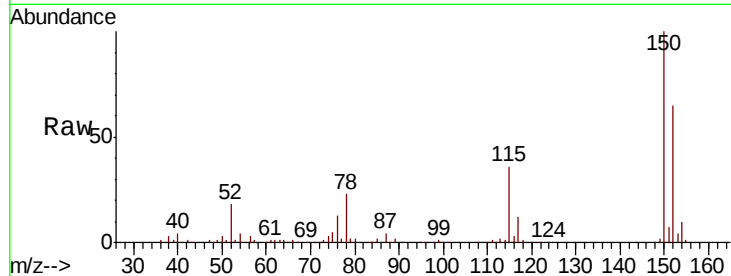


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Instrument :
BNA_F
ClientSampleId :
CHRT-26982

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.8	187.2
115	55.5	46.1	69.1

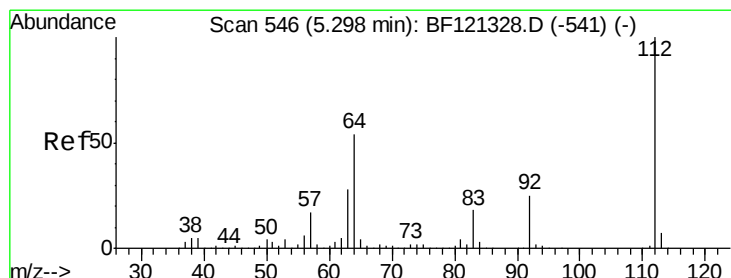
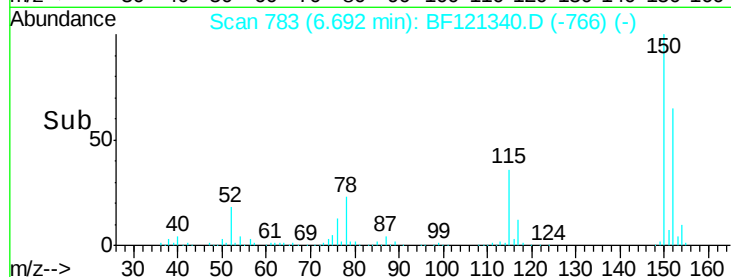
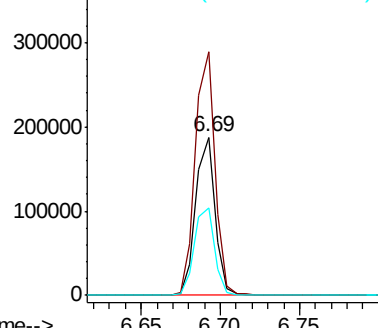


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

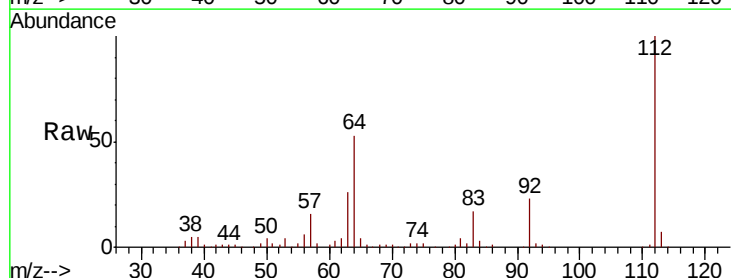
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.483 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.5	65.3
63	26.5	22.0	33.0

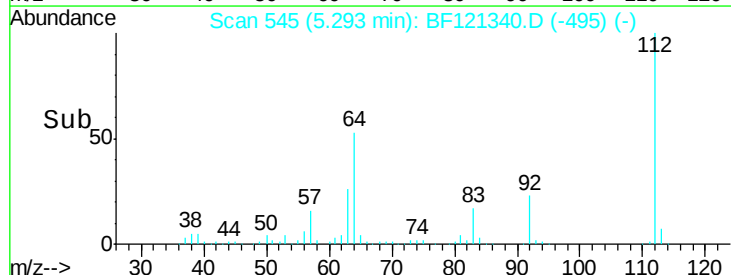
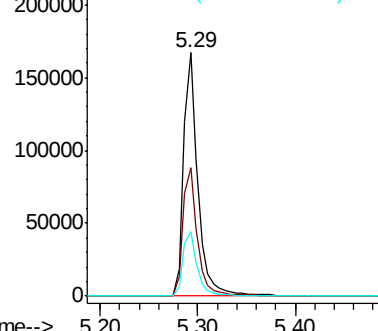


Abundance

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: 16.614 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

Instrument :

BNA_F

ClientSampled :

CHRT-26982

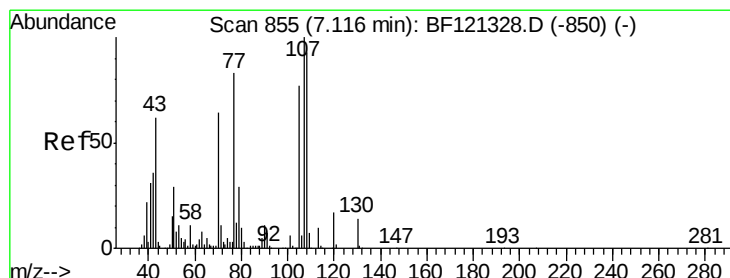
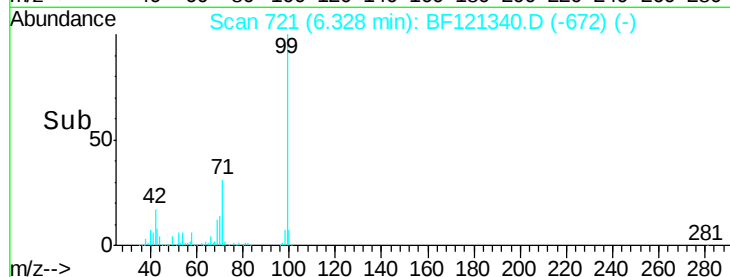
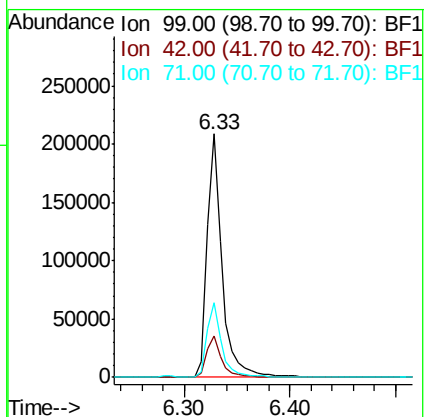
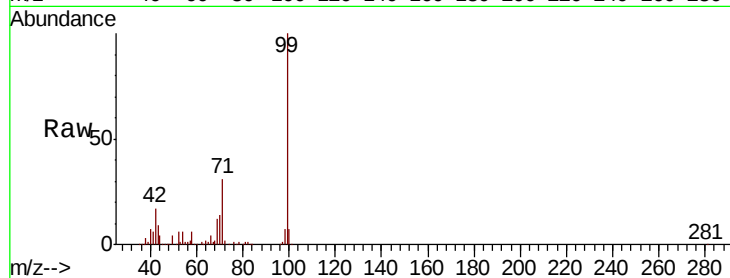
Tot Ion: 99 Resp: 206324

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

71 30.9 25.2 37.8



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. 0.01 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

Tgt Ion: 107 Resp: 965

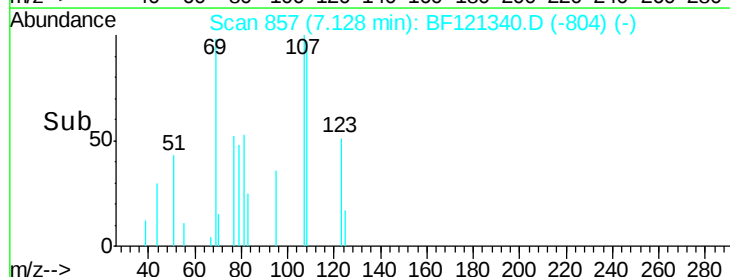
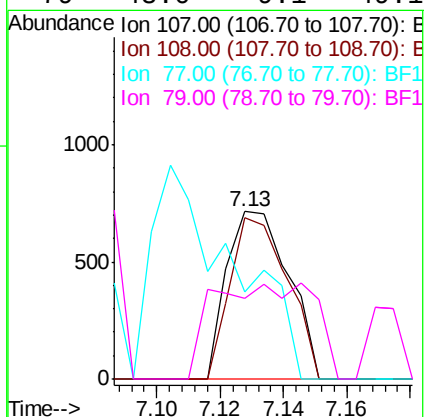
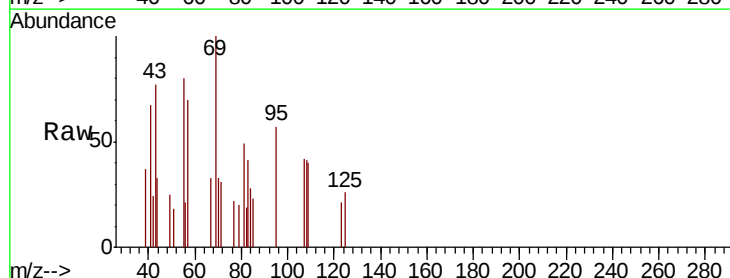
Ion Ratio Lower Upper

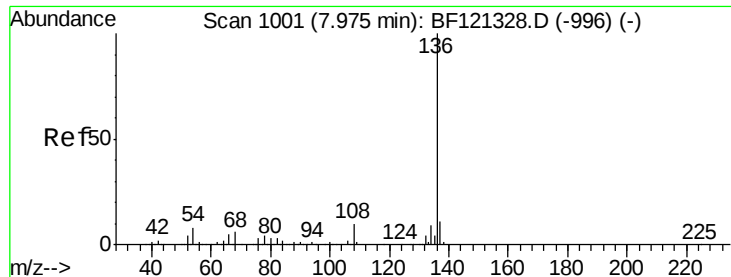
107 100

108 96.6 72.6 112.6

77 51.8 63.8 103.8

79 48.0 9.1 49.1

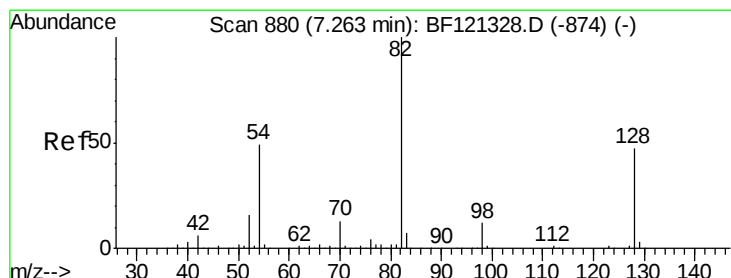
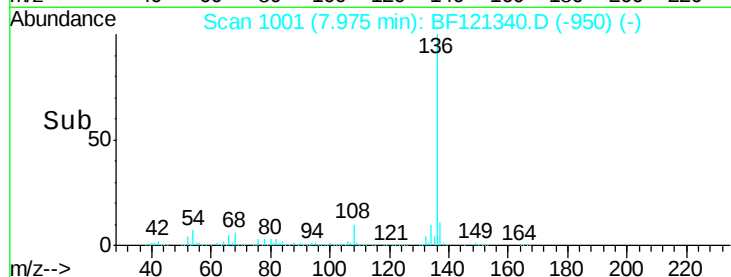
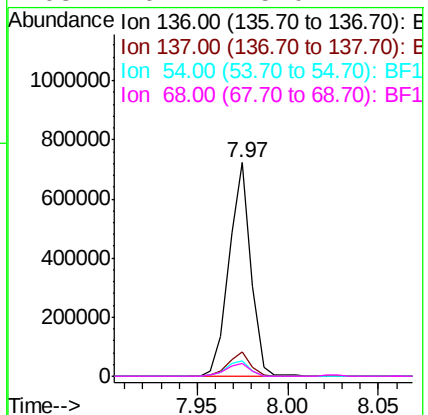
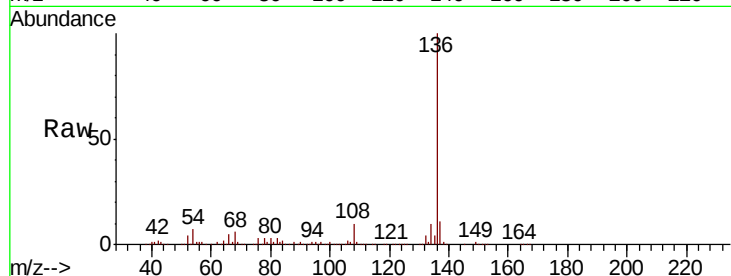




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

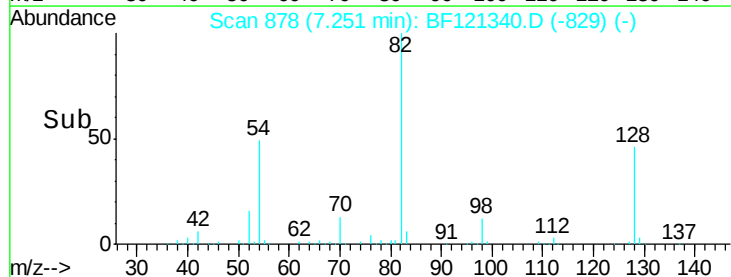
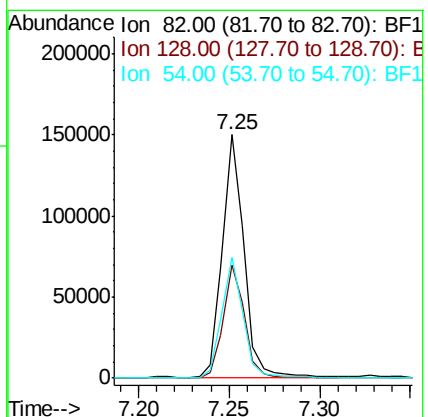
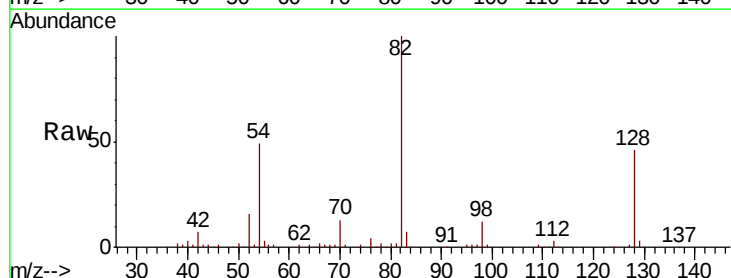
Instrument :
BNA_F
ClientSampleId :
CHRT-26982

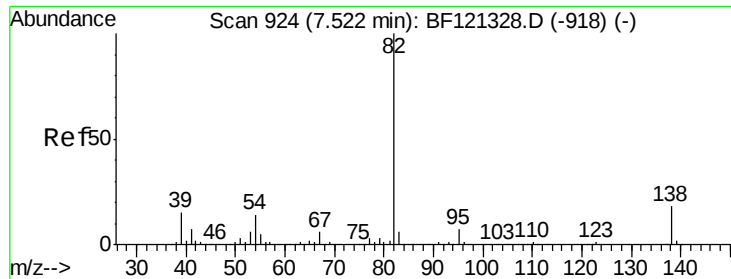
Tot Ion:136	Resp:	604470
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	7.4	6.1 9.1
68	6.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 11.530 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion: 82	Resp:	123228
Ion	Ratio	Lower Upper
82	100	
128	46.3	37.9 56.9
54	49.4	39.0 58.4





#25

Isophorone

Concen: 6.287 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26982

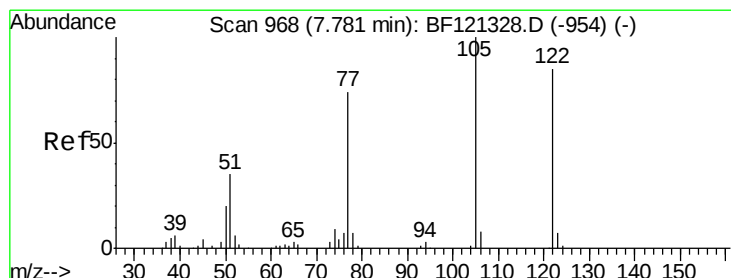
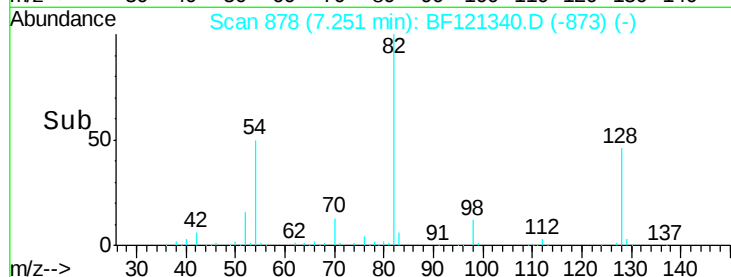
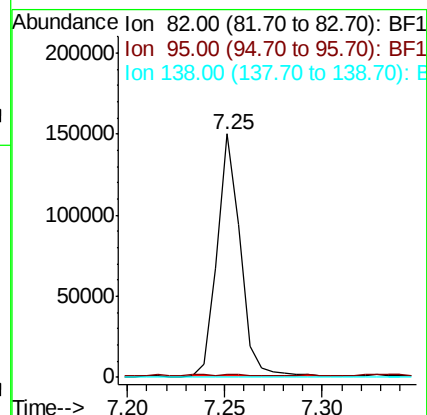
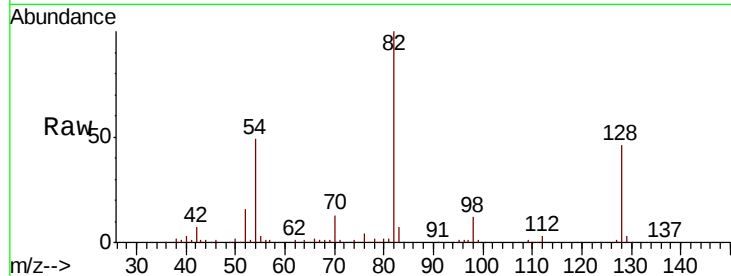
Tot Ion: 82 Resp: 122278

Ion Ratio Lower Upper

82 100

95 1.0 5.3 7.9#

138 0.0 14.6 21.8#



#32

Benzoic acid

Concen: 7.222 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

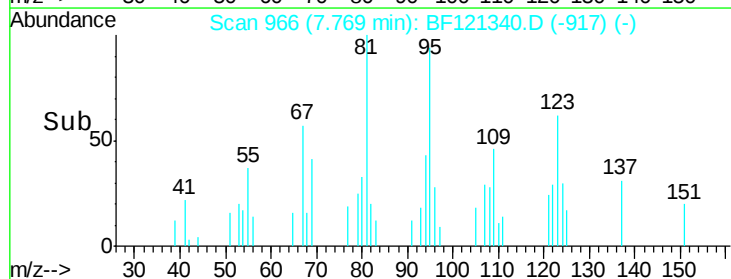
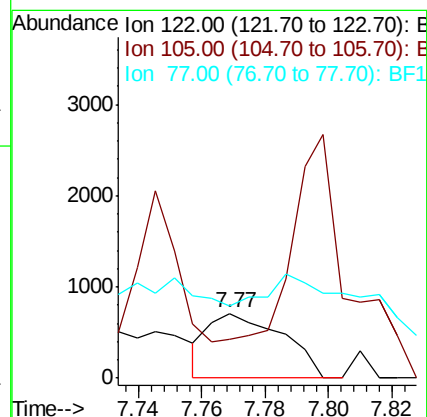
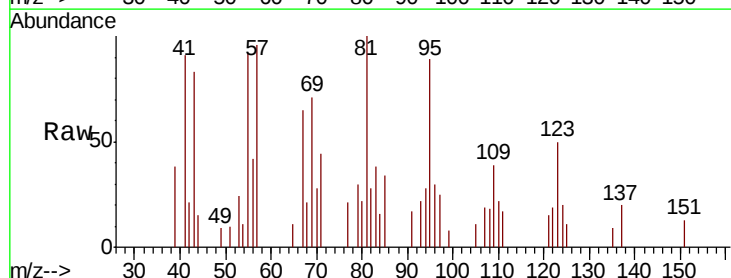
Tgt Ion: 122 Resp: 1147

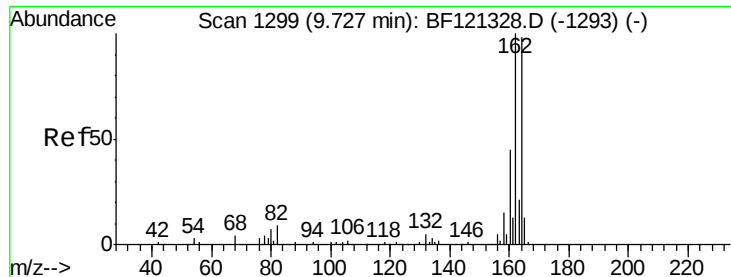
Ion Ratio Lower Upper

122 100

105 60.3 96.7 136.7#

77 111.0 66.7 106.7#

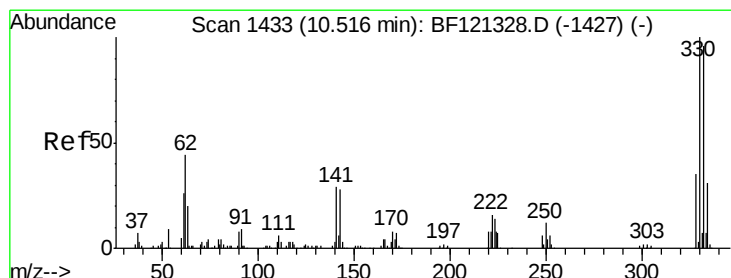
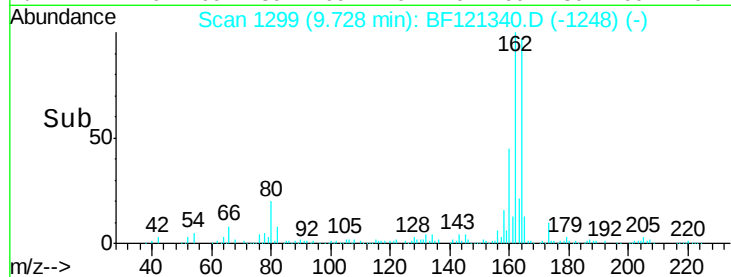
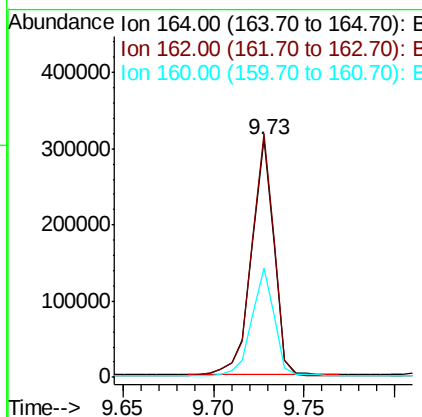
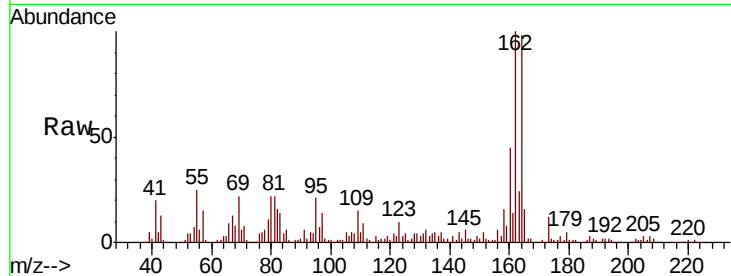




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

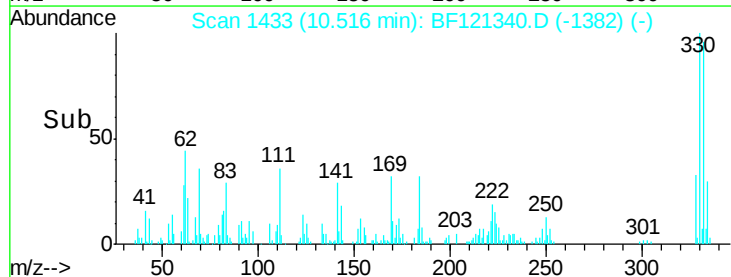
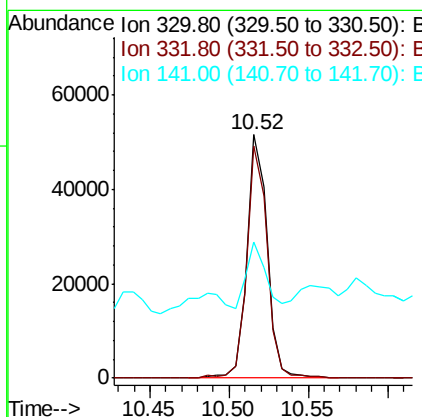
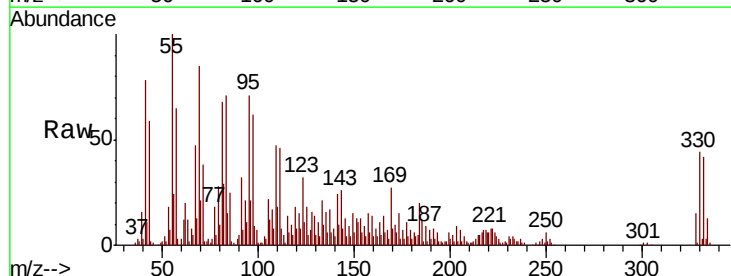
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26982

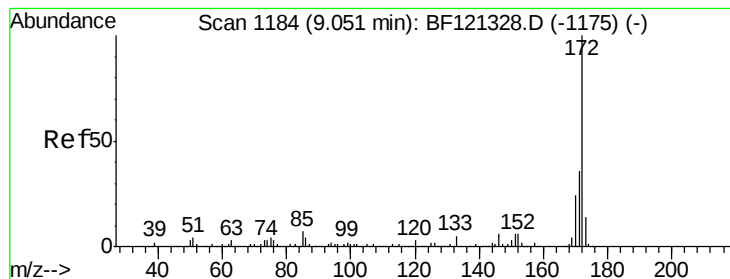
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.7	122.5
160	45.8	37.0	55.4



#42
 2,4,6-Tribromophenol
 Concen: 14.860 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	26.0	22.8	34.2

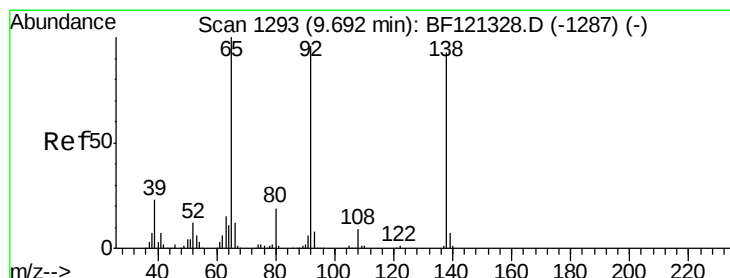
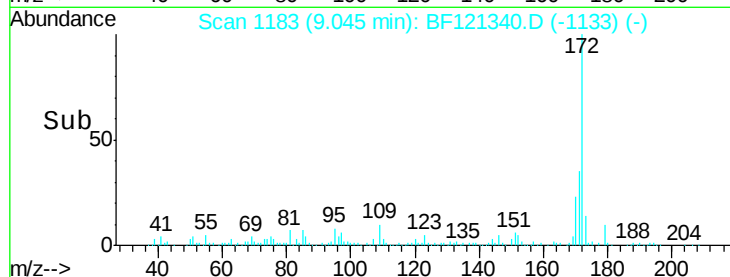
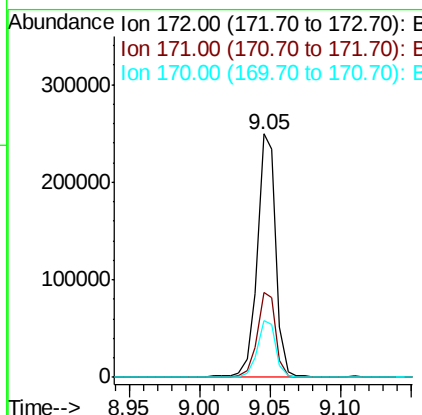
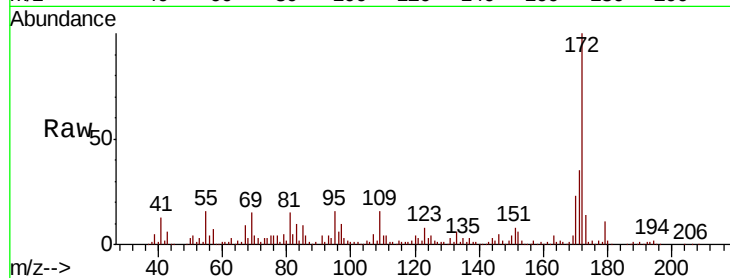




#45
 2-Fluorobiphenyl
 Concen: 4.802 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

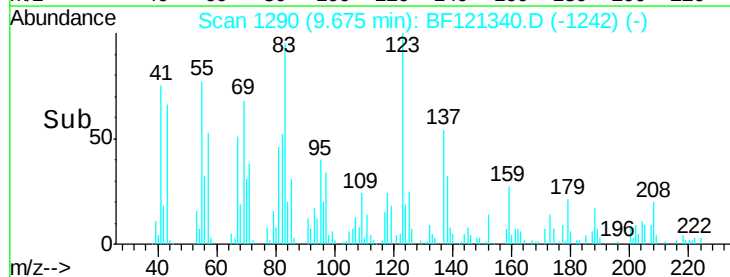
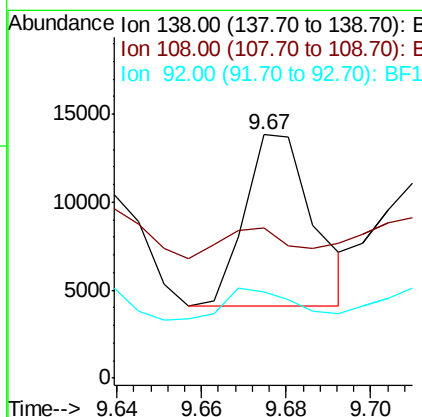
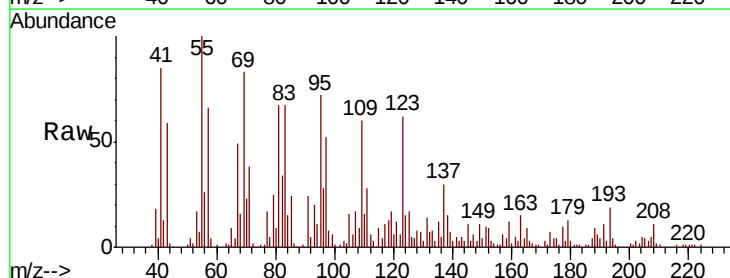
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26982

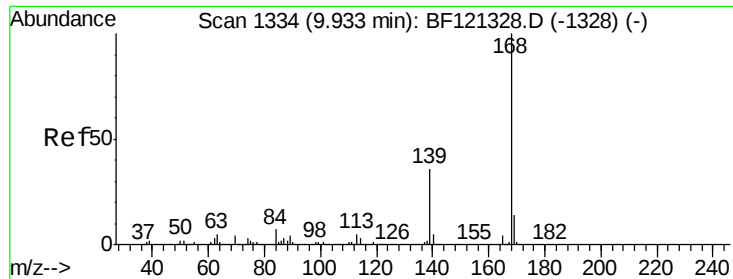
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.6
170	23.5	19.4	29.2



#53
 3-Nitroaniline
 Concen: 2.155 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

Tgt Ion	Ratio	Lower	Upper
138	100		
108	61.9	7.5	11.3#
92	35.4	83.0	124.4#

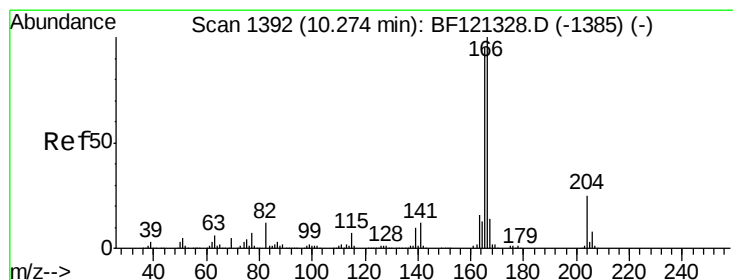
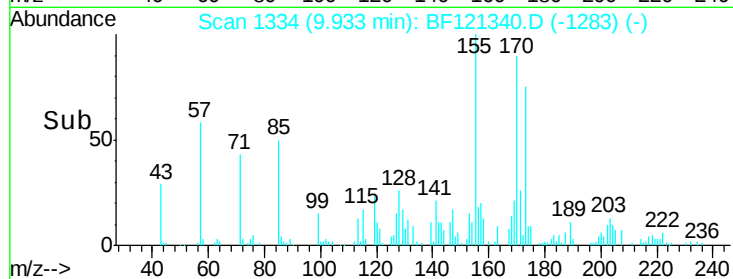
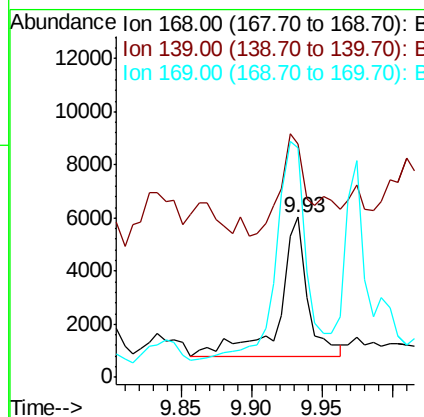
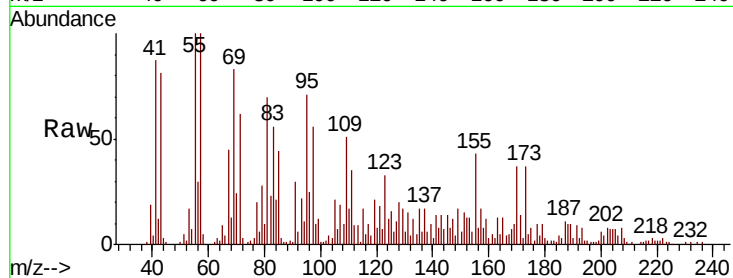




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

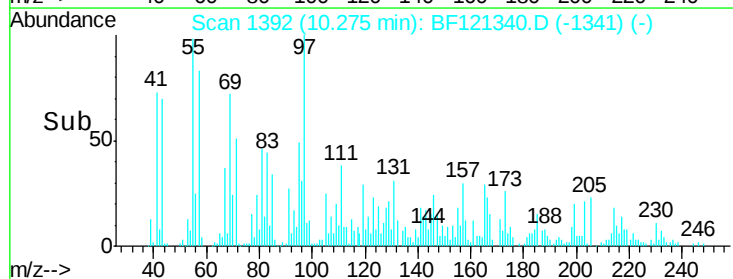
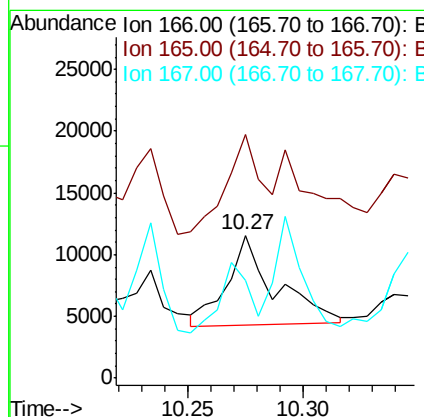
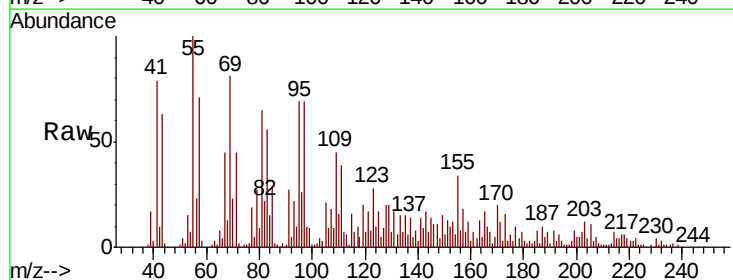
Instrument :
BNA_F
ClientSampleId :
CHRT-26982

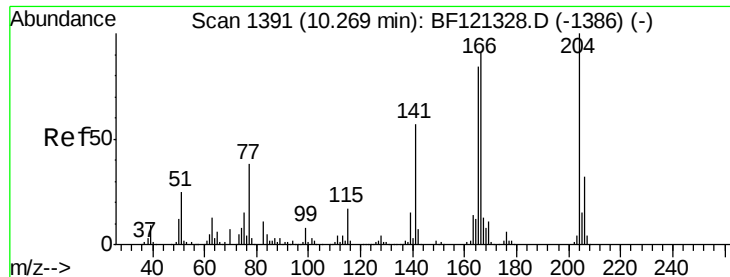
Tot Ion:168 Resp: 7305
Ion Ratio Lower Upper
168 100
139 145.8 29.1 43.7#
169 143.7 11.0 16.6#



#58
Fluorene
Concen: Below Cal
RT: 10.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion:166 Resp: 10638
Ion Ratio Lower Upper
166 100
165 170.2 75.8 113.8#
167 68.5 11.0 16.4#

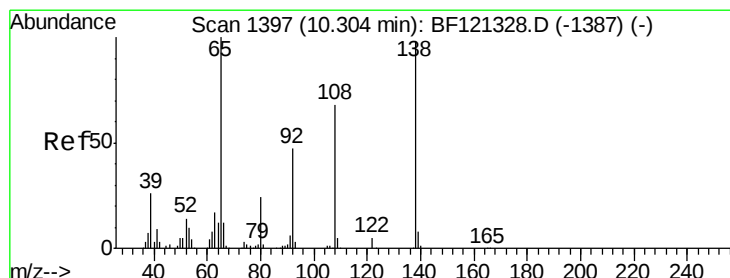
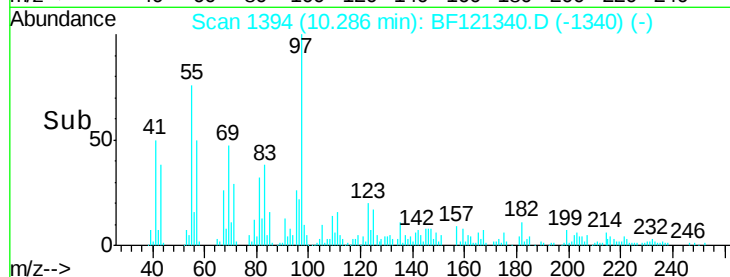
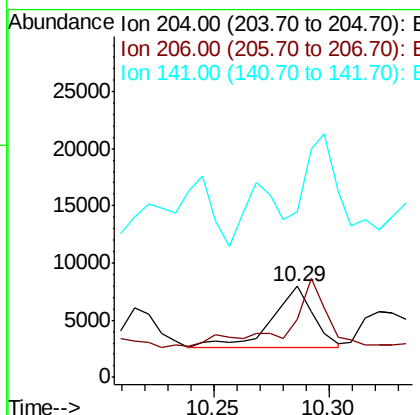
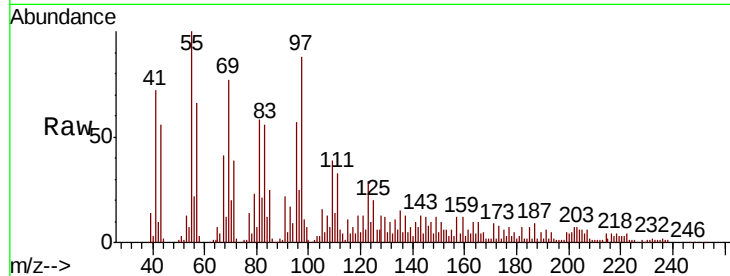




#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.29 min Scan# 1394
 Delta R.T. 0.02 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

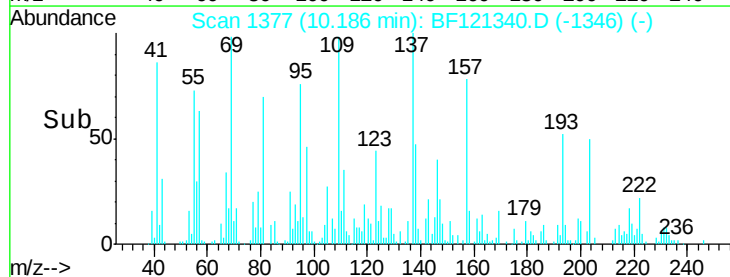
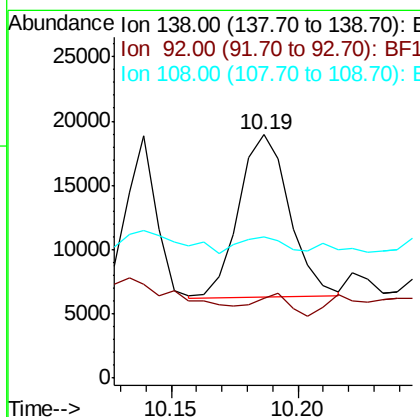
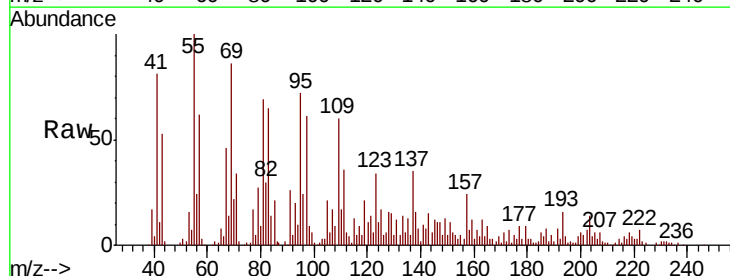
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26982

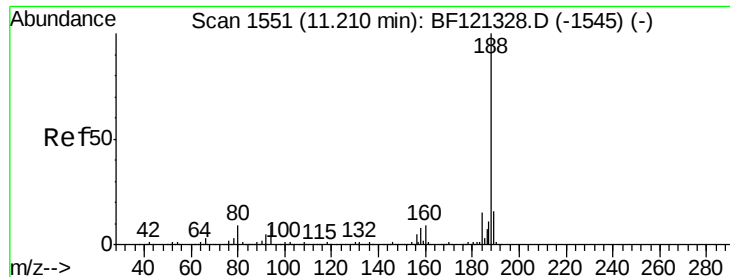
Tot Ion:204 Resp: 6659
 Ion Ratio Lower Upper
 204 100
 206 64.3 25.9 38.9#
 141 181.3 45.5 68.3#



#62
 4-Nitroaniline
 Concen: 3.354 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.12 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

Tgt Ion:138 Resp: 17575
 Ion Ratio Lower Upper
 138 100
 92 33.0 28.1 68.1
 108 57.9 49.5 89.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26982

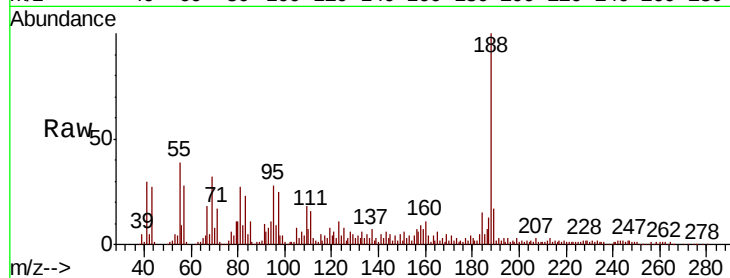
Tot Ion:188 Resp: 358091

Ion Ratio Lower Upper

188 100

94 11.2 7.2 10.8#

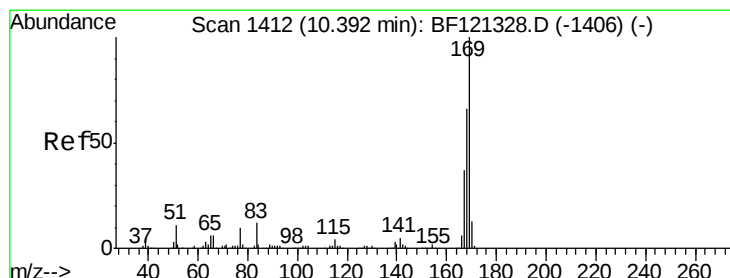
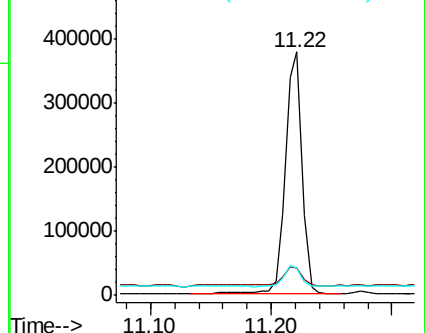
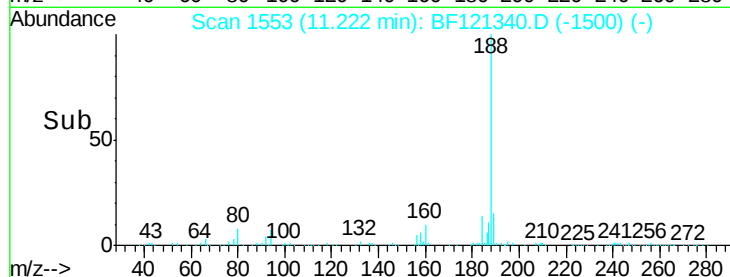
80 11.3 7.4 11.0#



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



#66

n-Nitrosodiphenylamine

Concen: 3.676 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.25 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

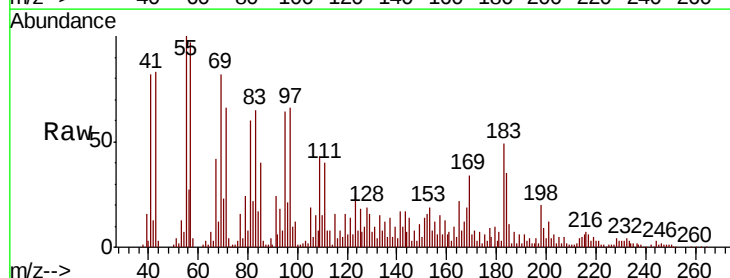
Tgt Ion:169 Resp: 40602

Ion Ratio Lower Upper

169 100

168 56.4 53.0 79.6

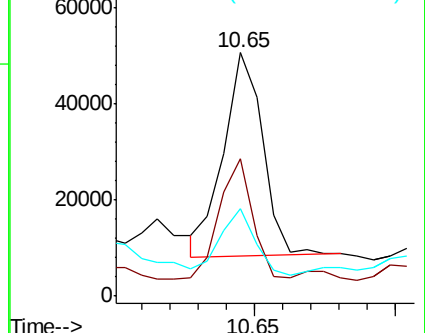
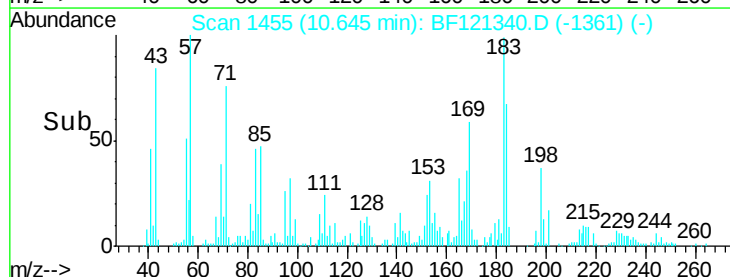
167 35.9 29.5 44.3

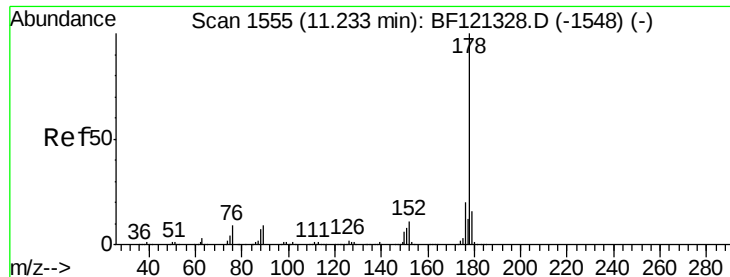


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

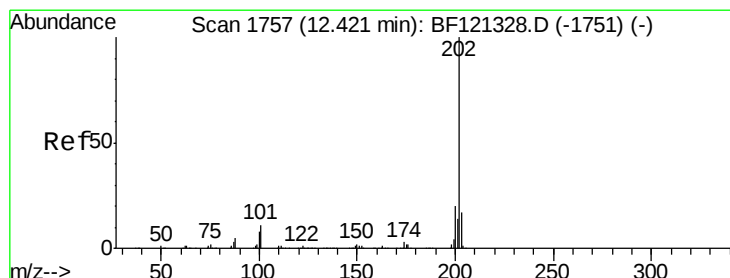
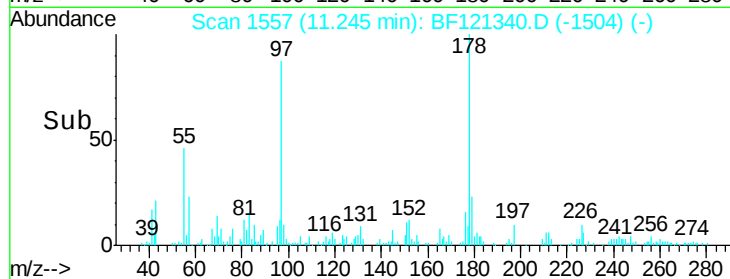
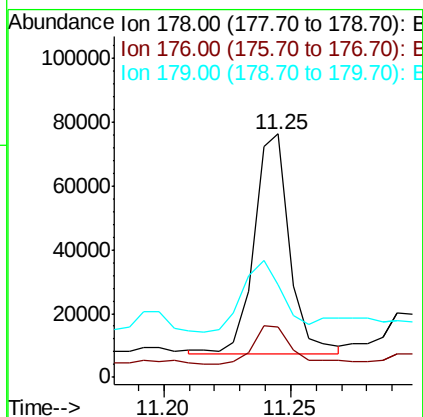
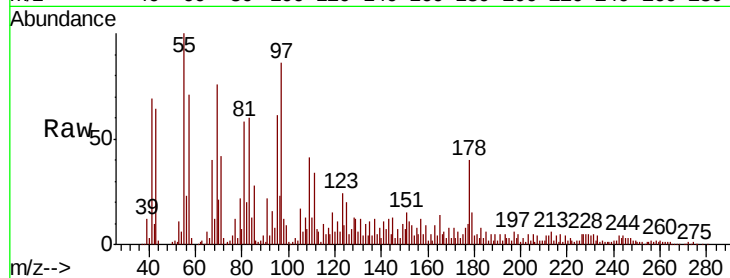




#71
Phenanthrene
Concen: 3.652 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

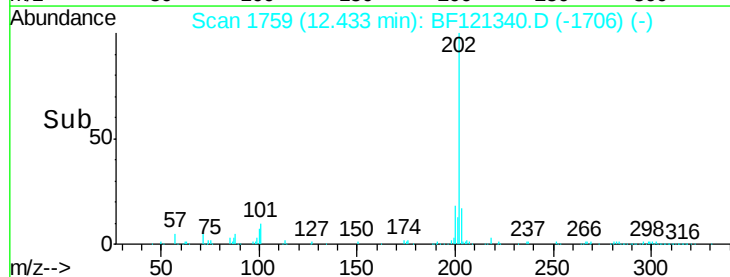
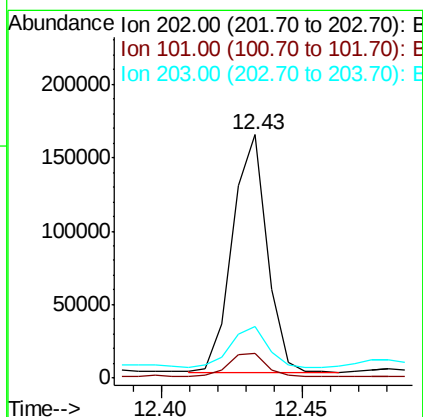
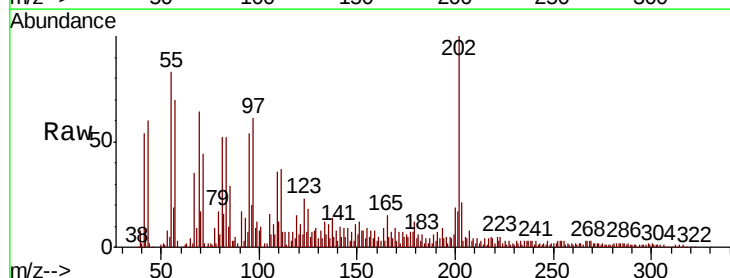
Instrument :
BNA_F
ClientSampleId :
CHRT-26982

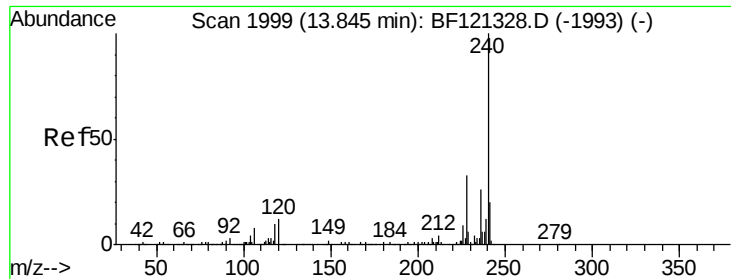
Tot Ion:178 Resp: 67683
Ion Ratio Lower Upper
178 100
176 20.9 16.0 24.0
179 38.3 12.8 19.2#



#75
Fluoranthene
Concen: 6.807 ng
RT: 12.43 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion:202 Resp: 136923
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.6
203 21.4 0.0 37.5

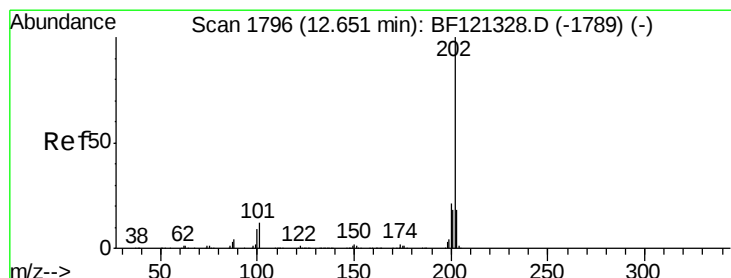
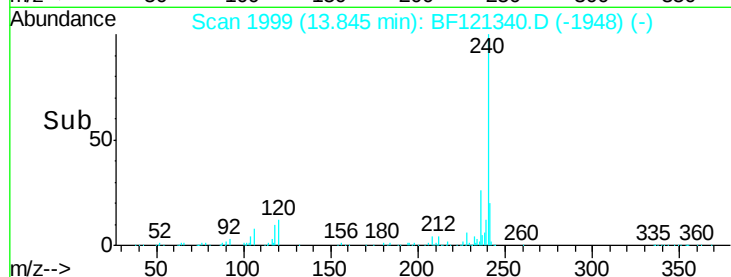
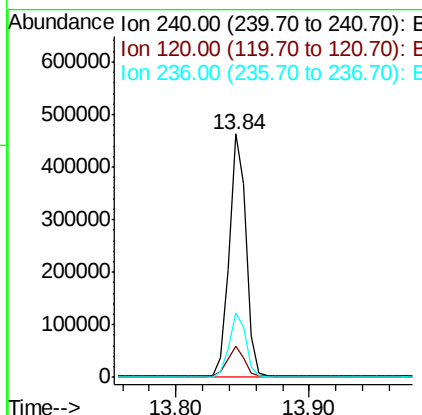
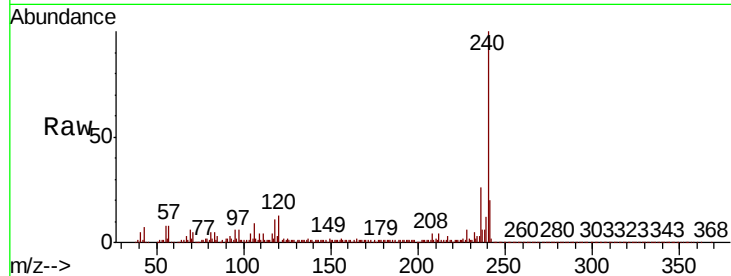




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

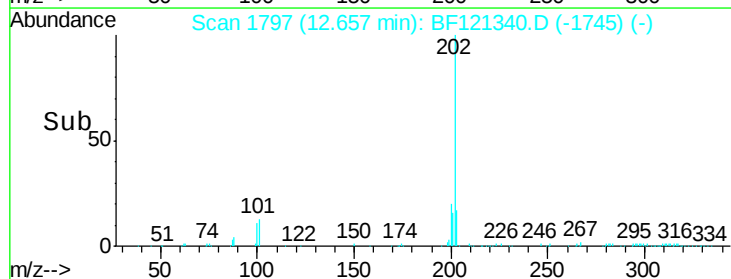
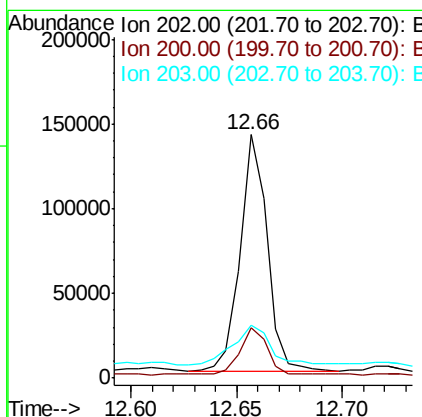
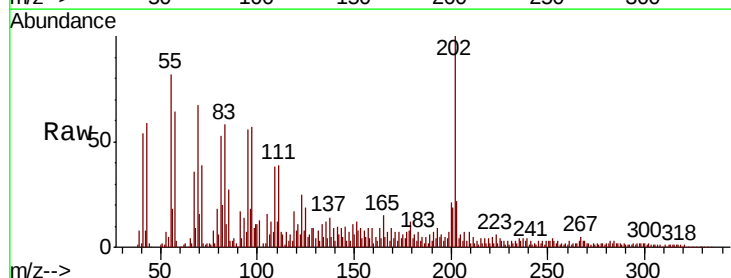
Instrument :
BNA_F
ClientSampleId :
CHRT-26982

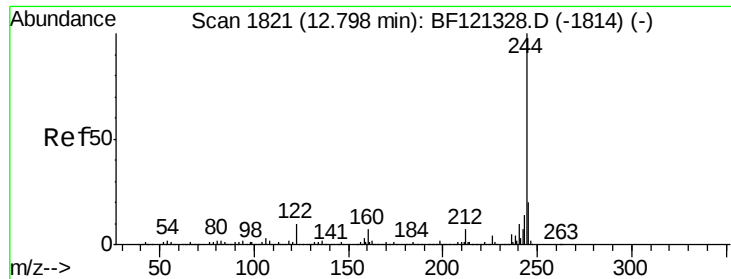
Tot Ion:240 Resp: 411478
Ion Ratio Lower Upper
240 100
120 12.9 9.6 14.4
236 26.4 20.6 31.0



#78
Pyrene
Concen: 3.997 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion:202 Resp: 123541
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 21.8 14.2 21.2#

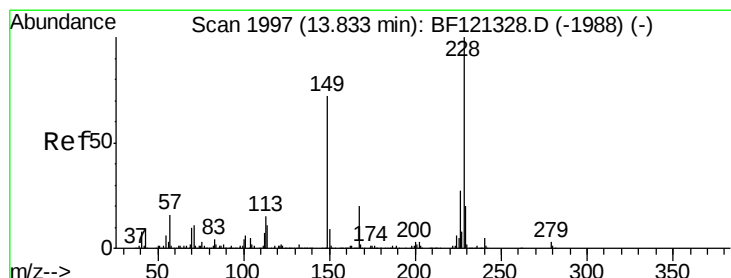
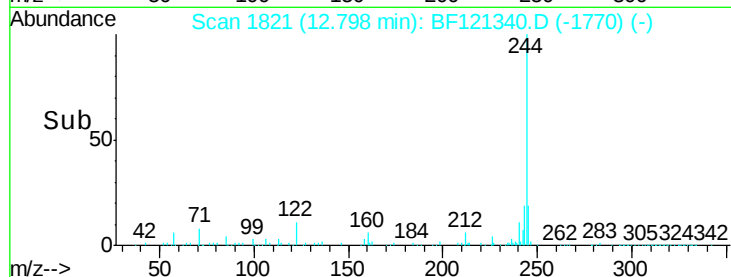
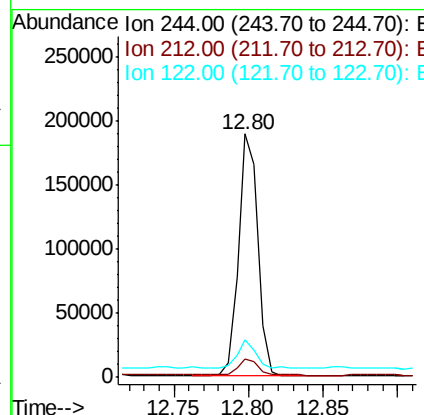
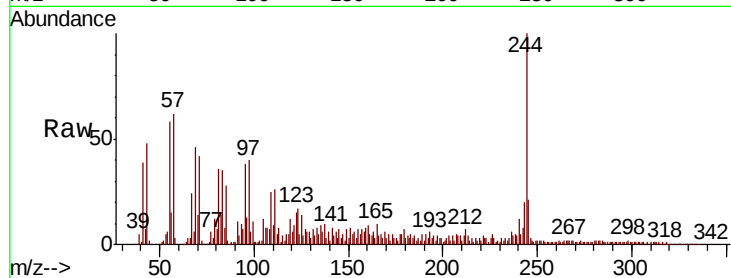




#79
 Terphenyl-d14
 Concen: 8.151 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

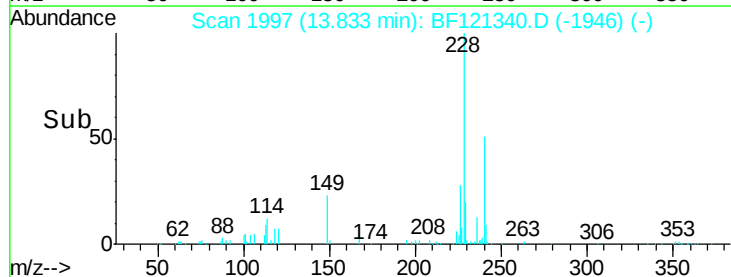
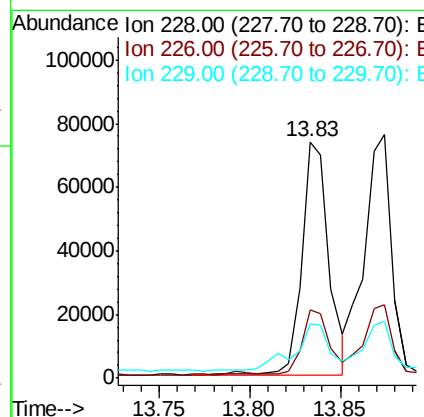
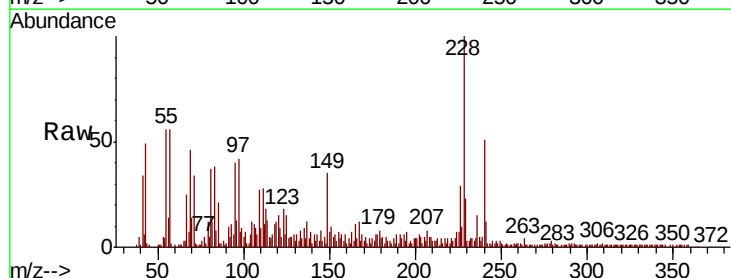
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26982

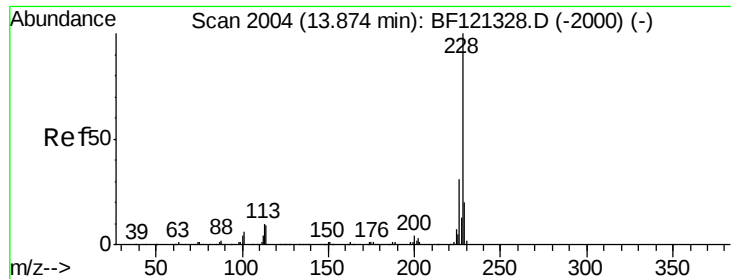
Tot Ion:244 Resp: 171637
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 15.2 7.8 11.8#



#81
 Benzo(a)anthracene
 Concen: 3.000 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF121340.D
 Acq: 20 Aug 2020 11:39

Tgt Ion:228 Resp: 76678
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.6
 229 23.1 15.8 23.8





#83

Chrysene

Concen: 3.067 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26982

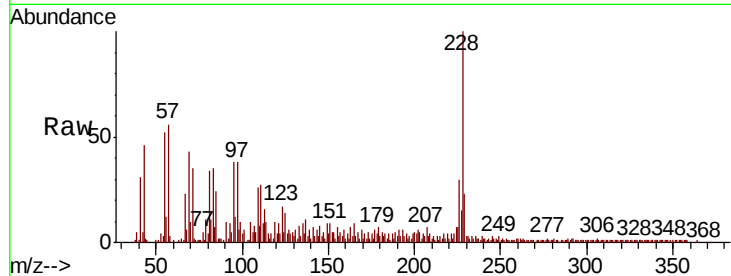
Tot Ion:228 Resp: 80175

Ion Ratio Lower Upper

228 100

226 29.9 24.6 36.8

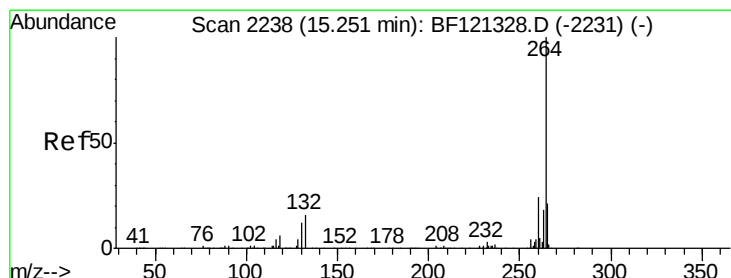
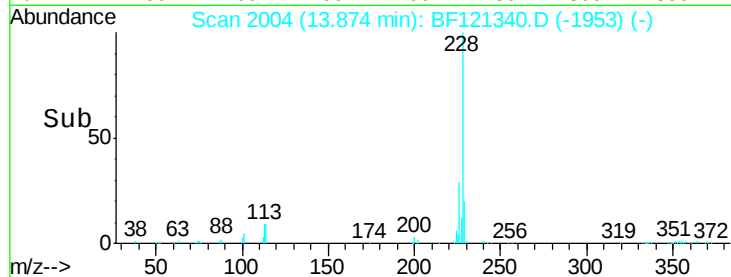
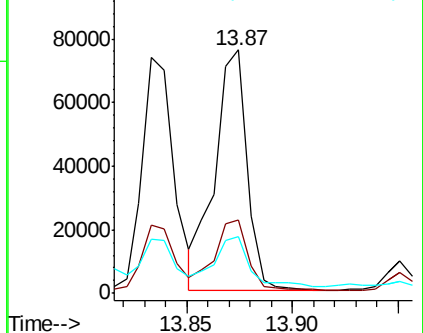
229 23.2 15.9 23.9



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BF121340.D

Acq: 20 Aug 2020 11:39

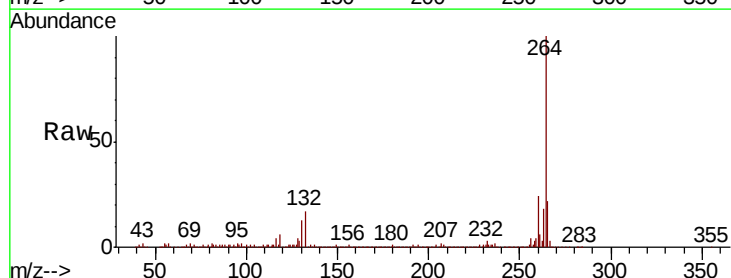
Tgt Ion:264 Resp: 450358

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

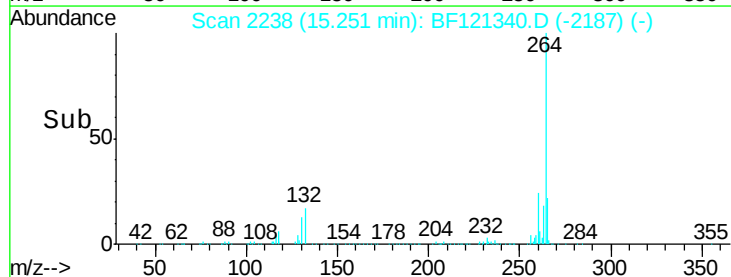
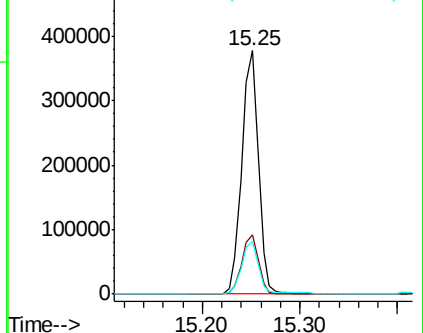
265 21.9 17.1 25.7

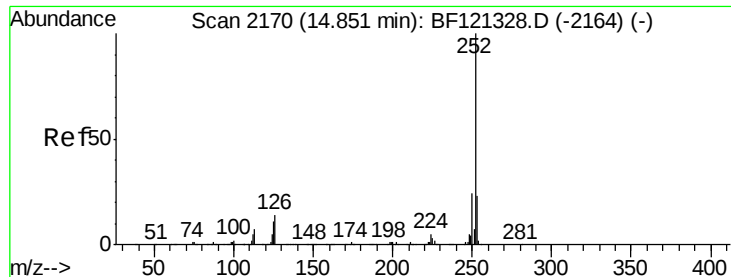


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

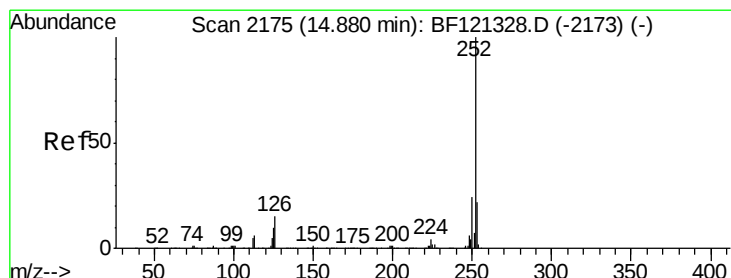
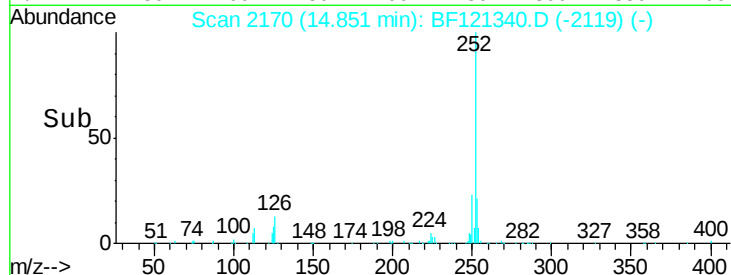
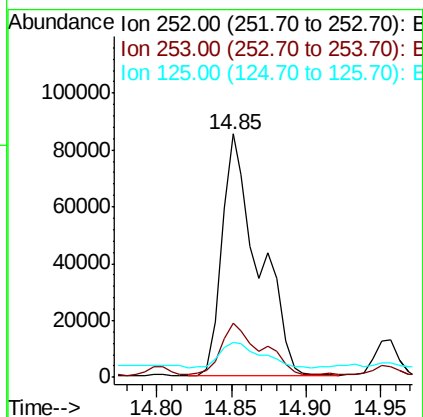
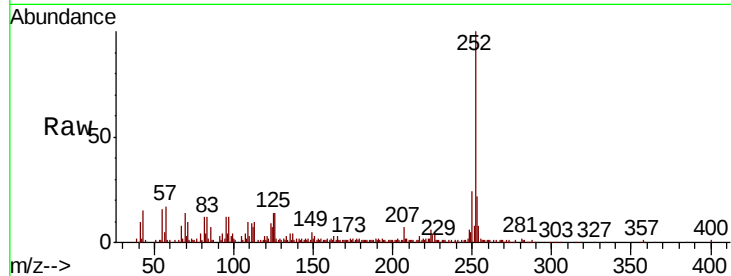




#88
Benzo(b)fluoranthene
Concen: 4.997 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

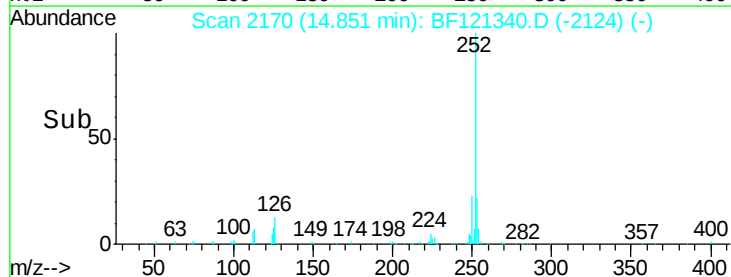
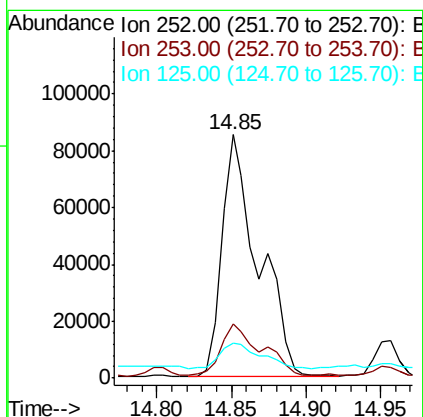
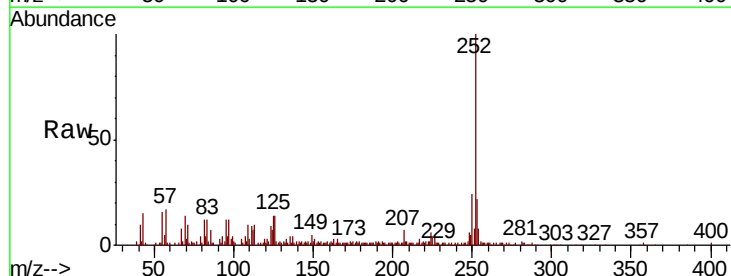
Instrument :
BNA_F
ClientSampleId :
CHRT-26982

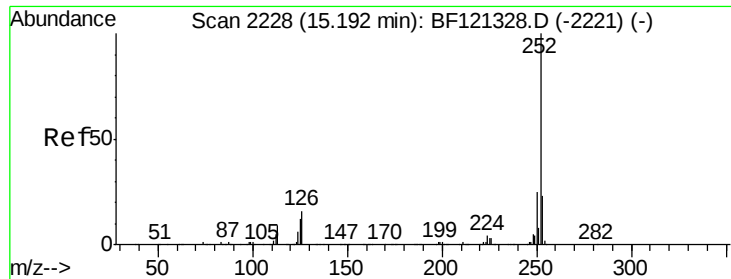
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	14.3	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 5.676 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	14.3	8.6	12.8#

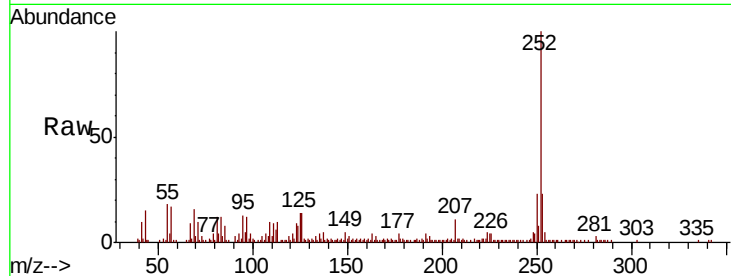




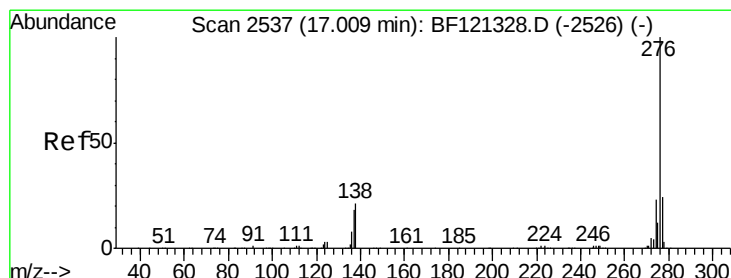
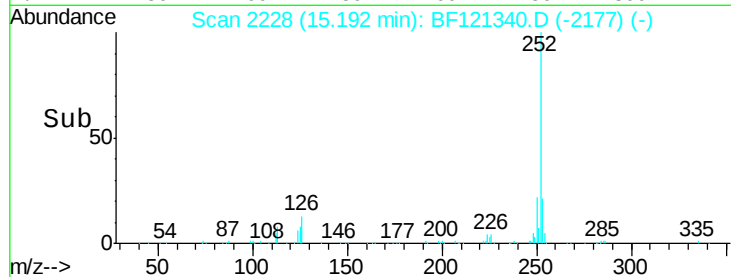
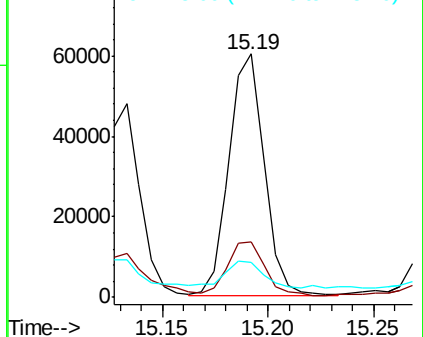
#90
Benzo(a)pyrene
Concen: 2.760 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Instrument :
BNA_F
ClientSampleId :
CHRT-26982

Tot Ion:252 Resp: 69377
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 14.1 9.4 14.0#

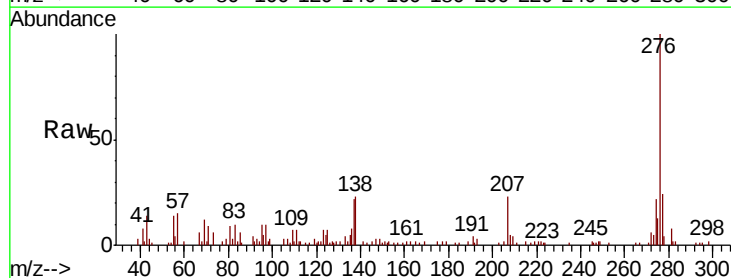


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.332 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF121340.D
Acq: 20 Aug 2020 11:39

Tgt Ion:276 Resp: 51384
Ion Ratio Lower Upper
276 100
277 24.4 19.3 28.9
138 22.9 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

