

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121428.D
 Acq On : 25 Aug 2020 15:27
 Operator : JU/CG
 Sample : L3785-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-09

Quant Time: Aug 25 16:17:57 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	137028	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	550616	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	286453	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	559667	20.00	ng	0.00
76) Chrysene-d12	13.85	240	496885	20.00	ng	0.00
86) Perylene-d12	15.27	264	462761	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	629390	75.32	ng	0.01
7) Phenol-d6	6.35	99	767818	71.97	ng	0.00
23) Nitrobenzene-d5	7.26	82	502117	51.57	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	233400	69.92	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	864724	53.10	ng	0.00
79) Terphenyl-d14	12.80	244	897884	35.31	ng	0.00

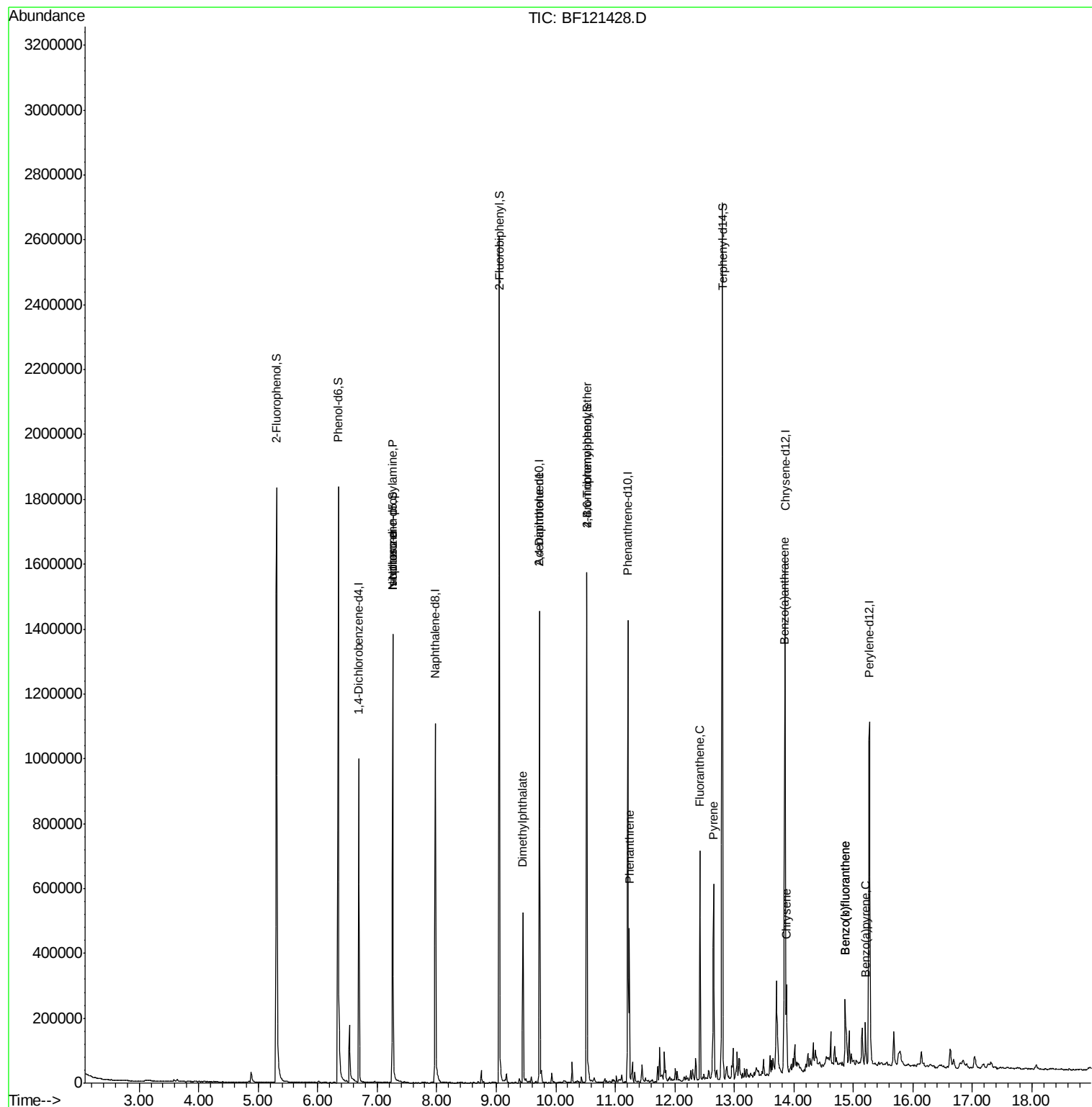
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	64620	11.263	ng	# 78
25) Isophorone	7.26	82	502115	28.340	ng	# 65
50) Dimethylphthalate	9.45	163	242511	11.637	ng	98
55) Dibenzofuran	9.93	168	12426	Below Cal		96
57) 2,4-Dinitrotoluene	9.73	165	36373	6.699	ng	# 25
58) Fluorene	10.27	166	17340	Below Cal		95
67) 4-Bromophenyl-phenylether	10.52	248	13447	2.166	ng	# 1
71) Phenanthrene	11.23	178	161458	5.574	ng	98
75) Fluoranthene	12.42	202	270215	8.595	ng	98
78) Pyrene	12.65	202	231159	6.193	ng	99
81) Benzo(a)anthracene	13.84	228	97410	3.156	ng	99
83) Chrysene	13.87	228	94016	2.979	ng	97
88) Benzo(b)fluoranthene	14.86	252	136248	4.557	ng	99
89) Benzo(k)fluoranthene	14.86	252	136248	5.177	ng	99
90) Benzo(a)pyrene	15.20	252	61368	2.376	ng	99

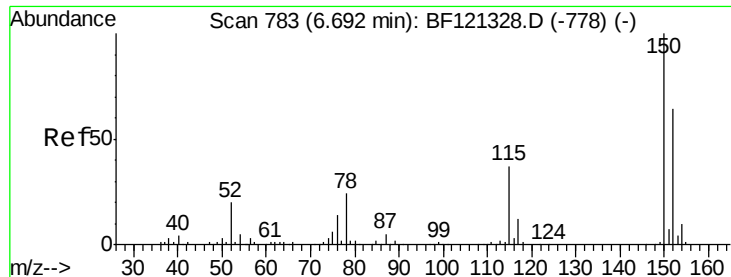
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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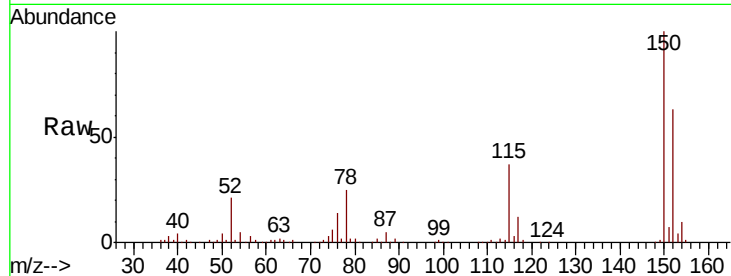


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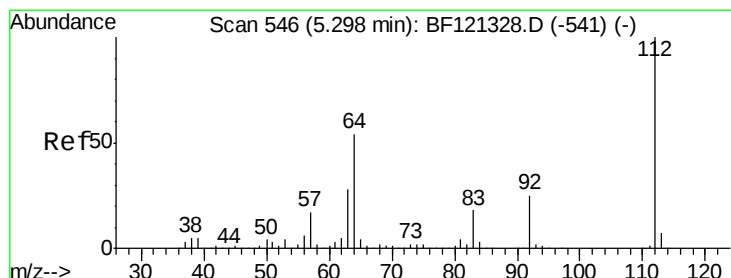
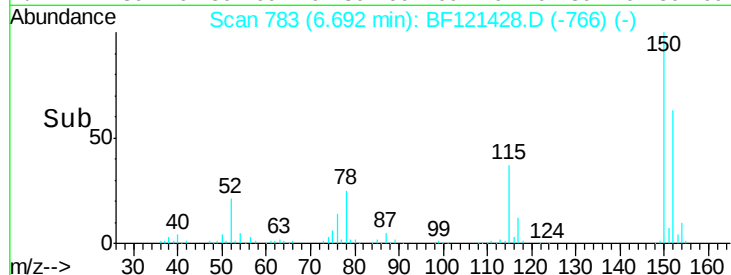
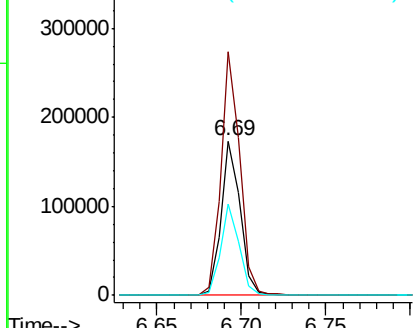
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

Instrument :
BNA_F
ClientSampleId :
CHRT-09

Tot Ion:152 Resp: 137028
Ion Ratio Lower Upper
152 100
150 158.0 124.8 187.2
115 59.2 46.1 69.1



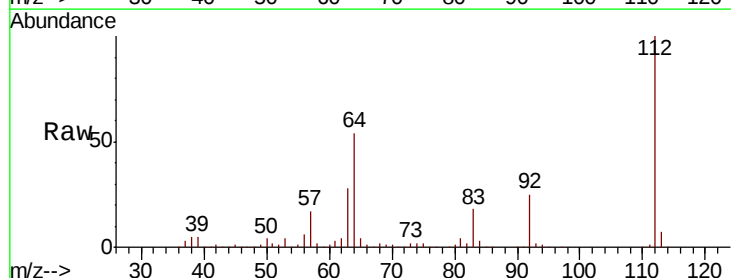
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



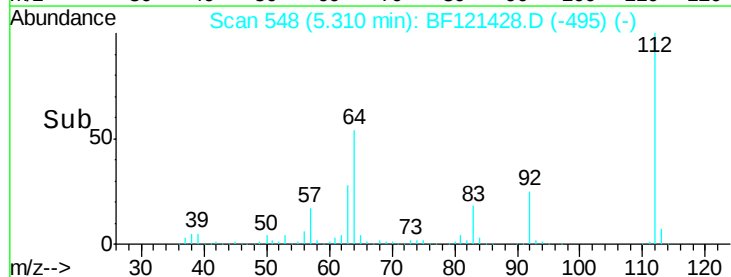
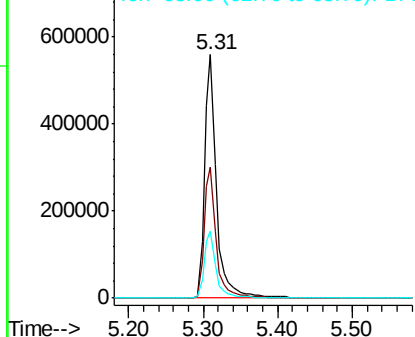
#5

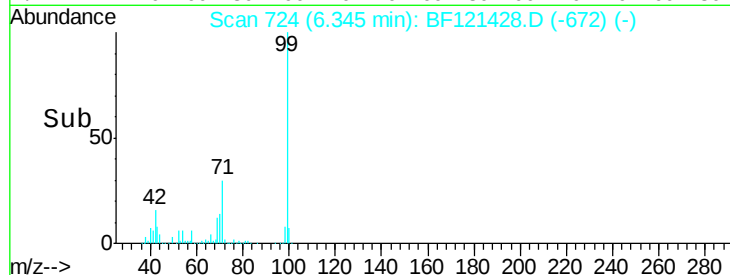
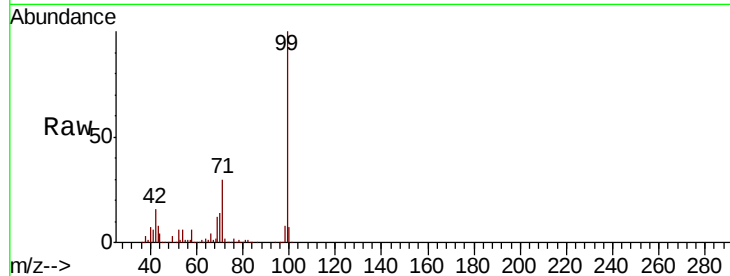
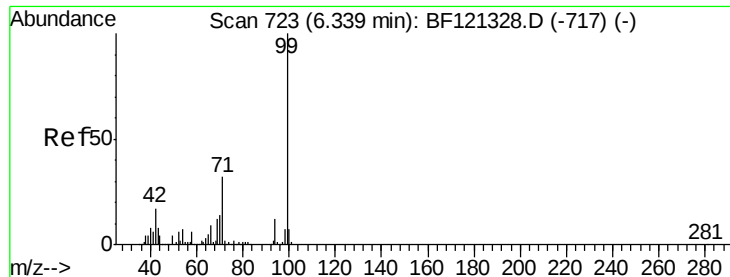
2-Fluorophenol
Concen: 75.315 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

Tgt Ion:112 Resp: 629390
Ion Ratio Lower Upper
112 100
64 54.0 43.5 65.3
63 27.7 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: 71.973 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT-09

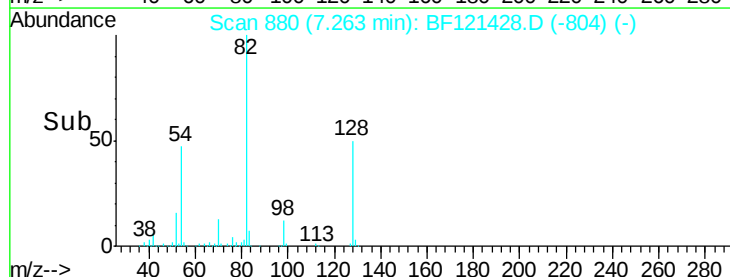
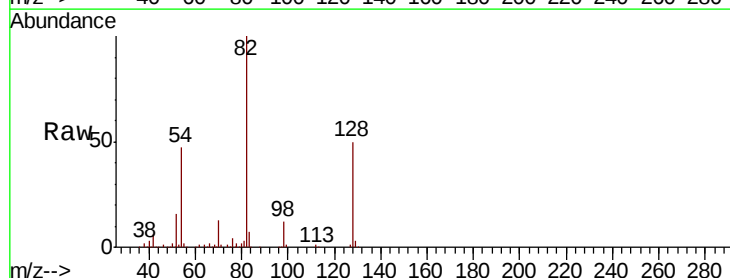
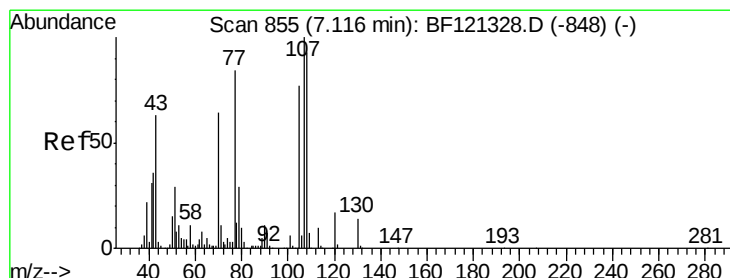
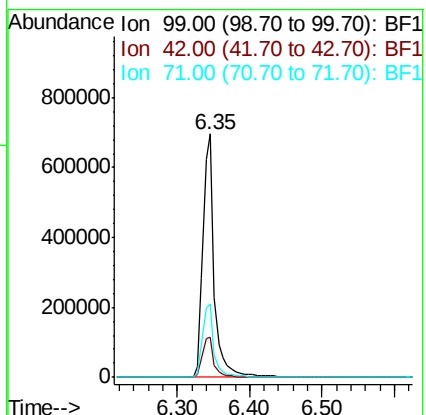
Tot Ion: 99 Resp: 767818

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

71 30.2 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.263 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Tgt Ion: 70 Resp: 64620

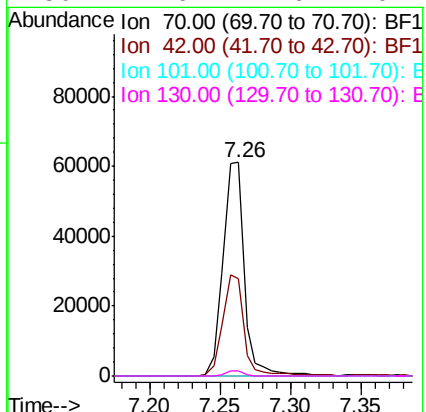
Ion Ratio Lower Upper

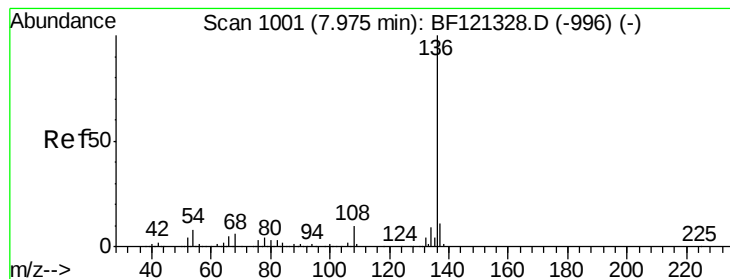
70 100

42 45.7 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: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT-09

Tot Ion:136 Resp: 550616

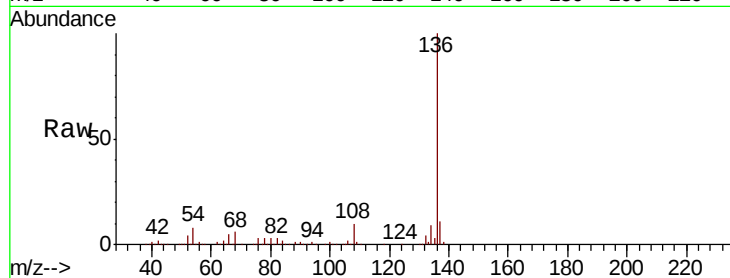
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.9 6.1 9.1

68 6.0 5.0 7.4

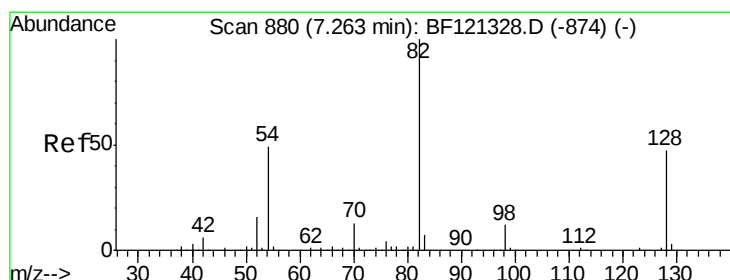
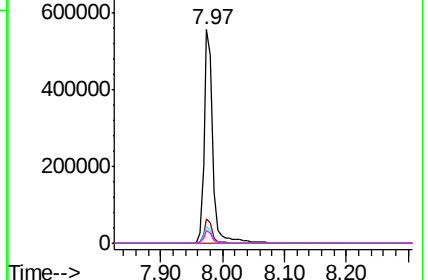
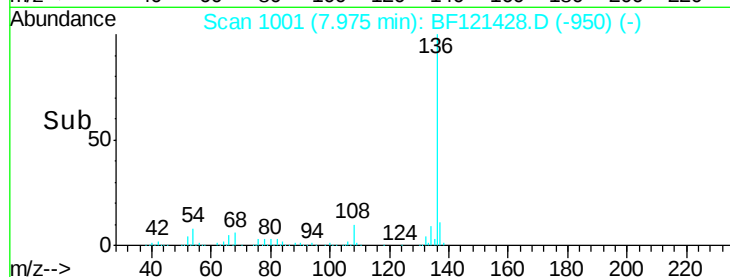


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.575 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

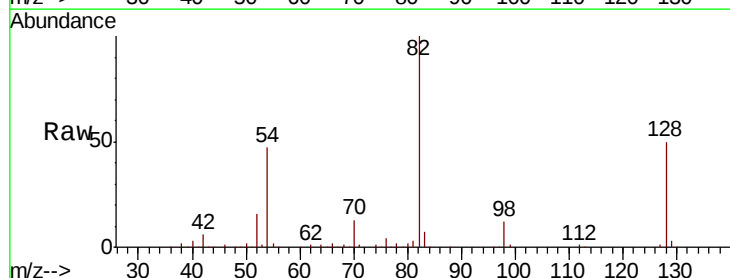
Tgt Ion: 82 Resp: 502117

Ion Ratio Lower Upper

82 100

128 49.6 37.9 56.9

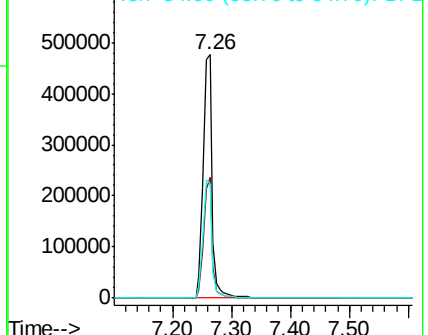
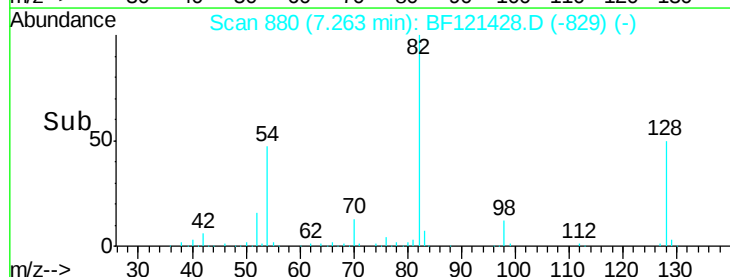
54 47.2 39.0 58.4

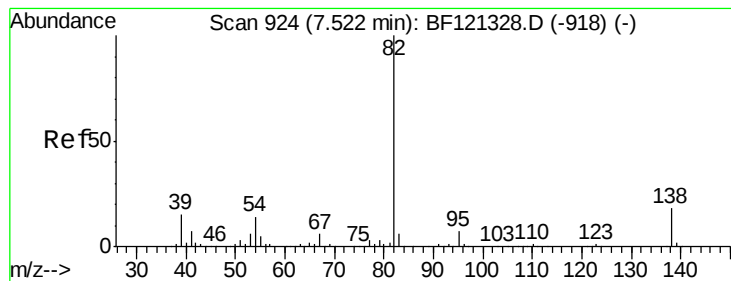


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.340 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT-09

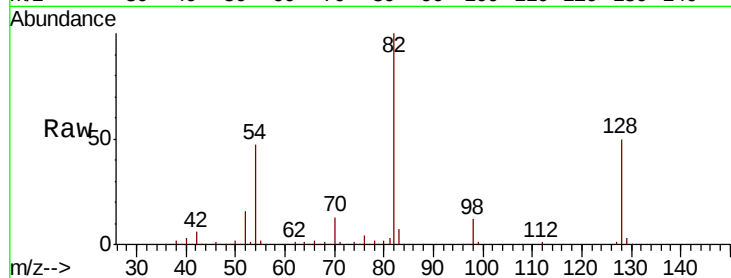
Tot Ion: 82 Resp: 502115

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

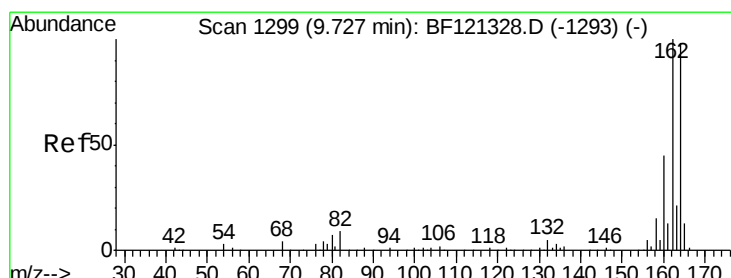
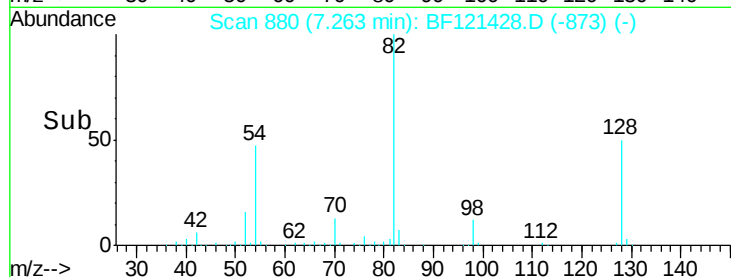
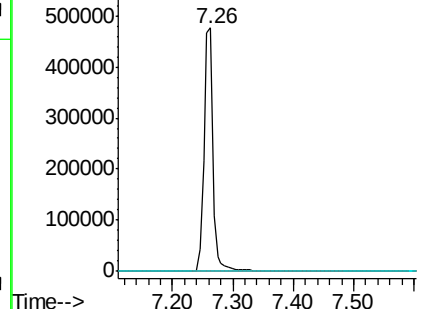
138 0.0 14.6 21.8#



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: BF121428.D

Acq: 25 Aug 2020 15:27

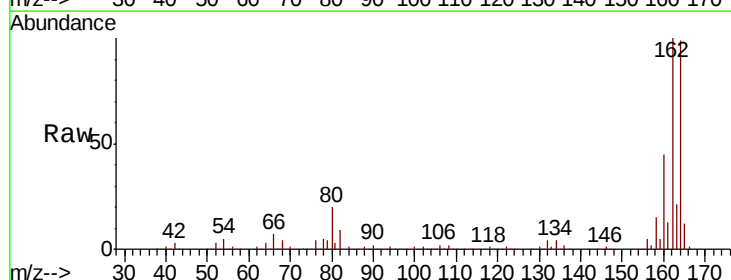
Tgt Ion:164 Resp: 286453

Ion Ratio Lower Upper

164 100

162 101.2 81.7 122.5

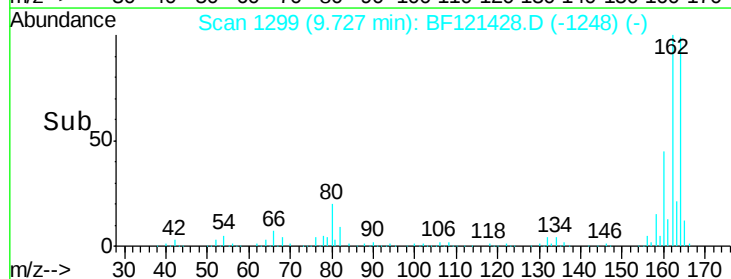
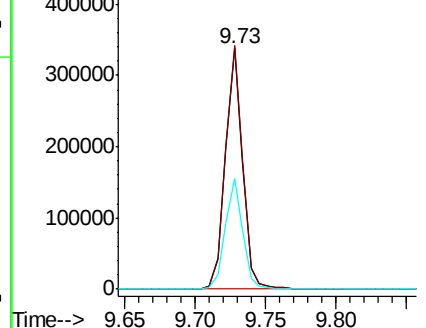
160 45.8 37.0 55.4

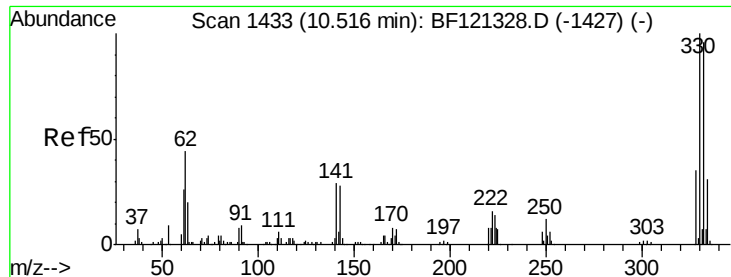


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

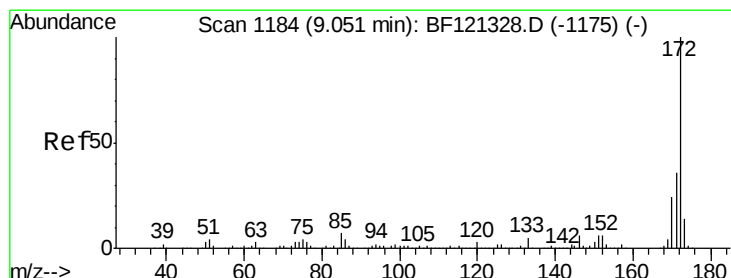
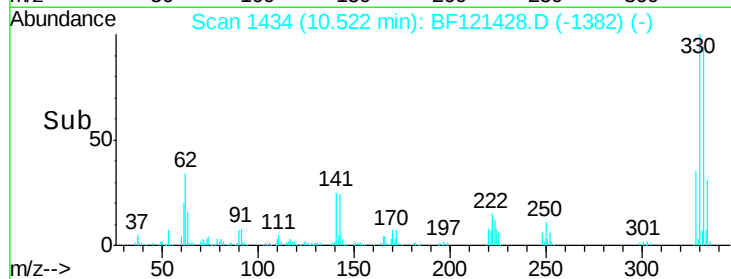
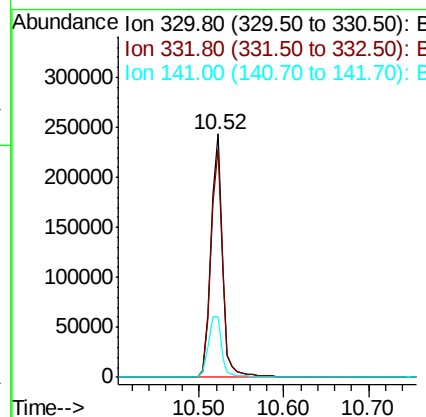
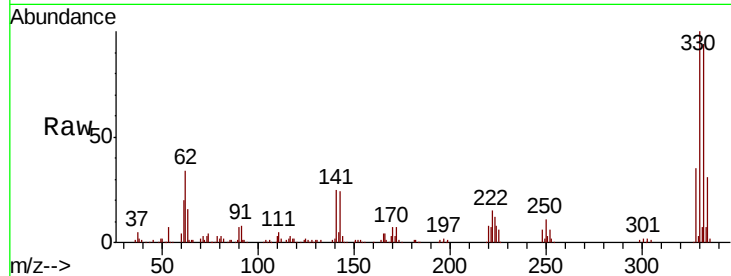




#42
 2,4,6-Tribromophenol
 Concen: 69.920 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121428.D
 Acq: 25 Aug 2020 15:27

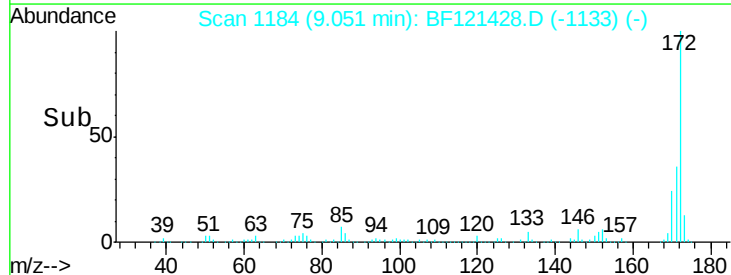
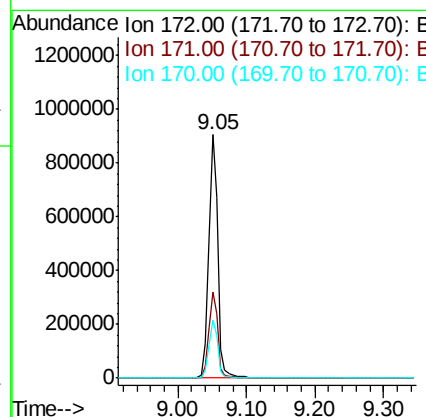
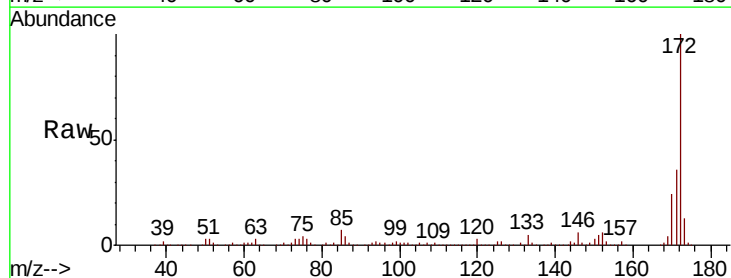
Instrument :
 BNA_F
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 CHRT-09

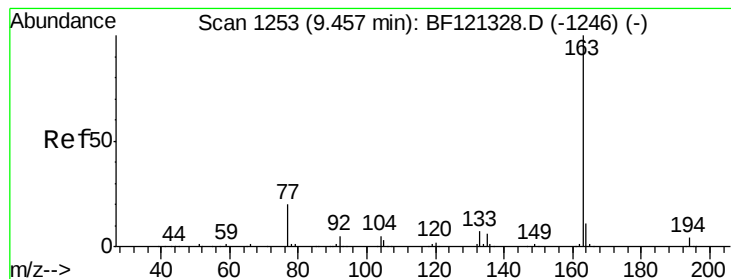
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	28.9	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 53.099 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121428.D
 Acq: 25 Aug 2020 15:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.9	19.4	29.2





#50

Dimethylphthalate

Concen: 11.637 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT-09

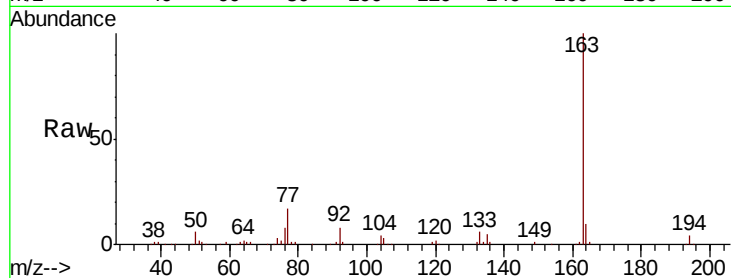
Tot Ion:163 Resp: 242511

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

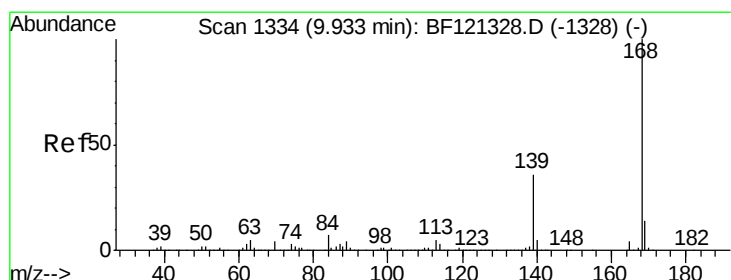
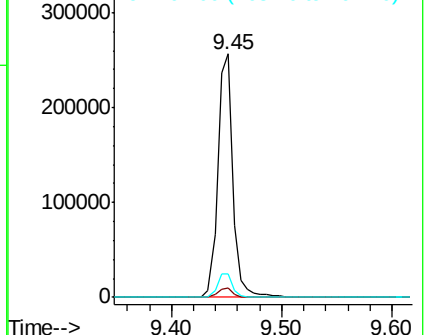
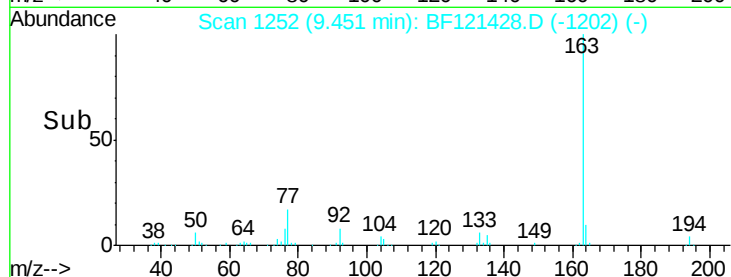
164 9.7 8.4 12.6



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: BF121428.D

Acq: 25 Aug 2020 15:27

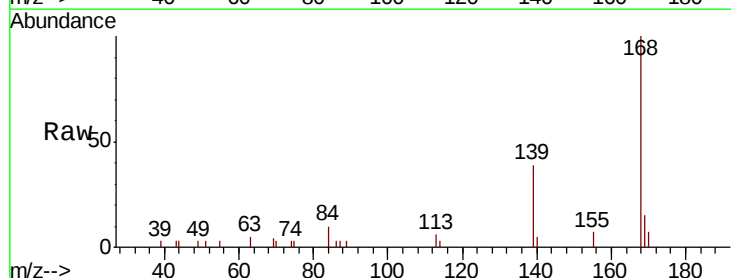
Tgt Ion:168 Resp: 12426

Ion Ratio Lower Upper

168 100

139 39.0 29.1 43.7

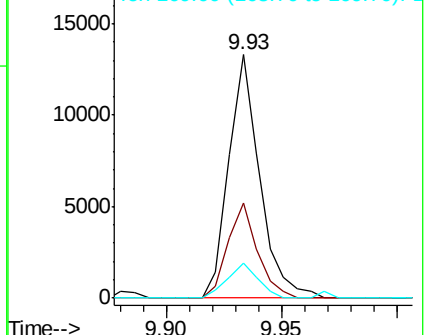
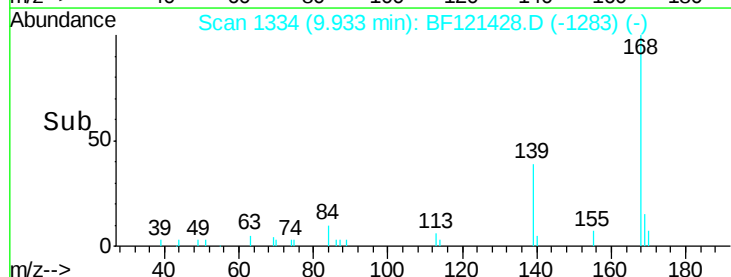
169 14.6 11.0 16.6

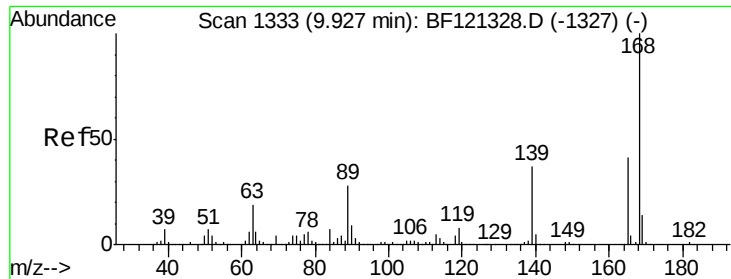


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

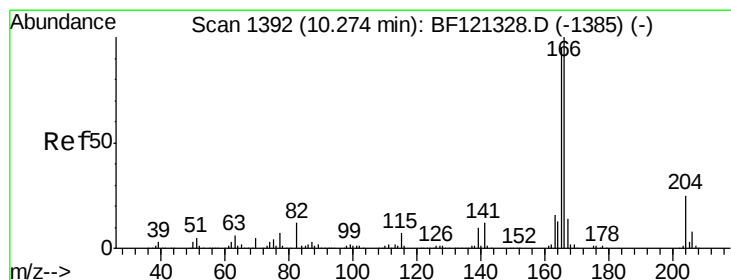
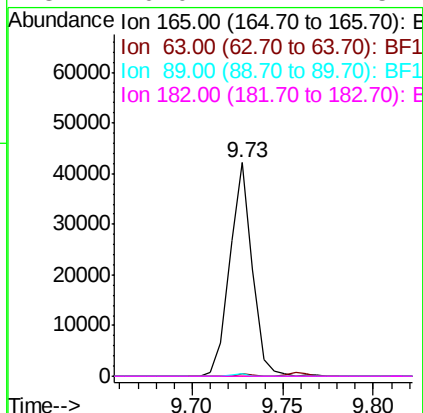
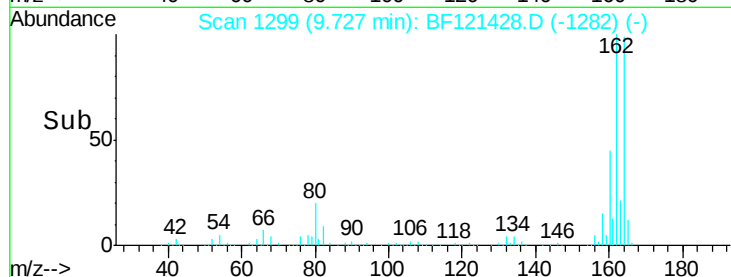
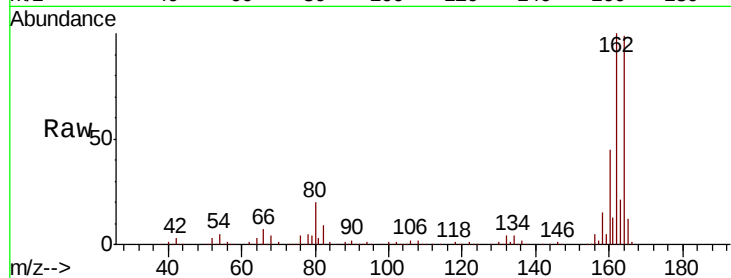




#57
2,4-Dinitrotoluene
Concen: 6.699 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

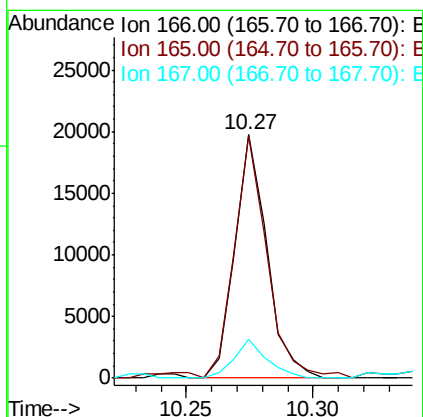
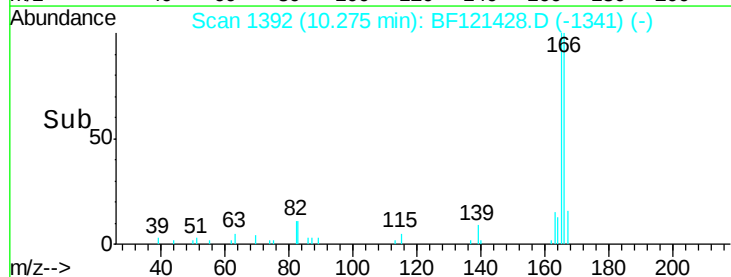
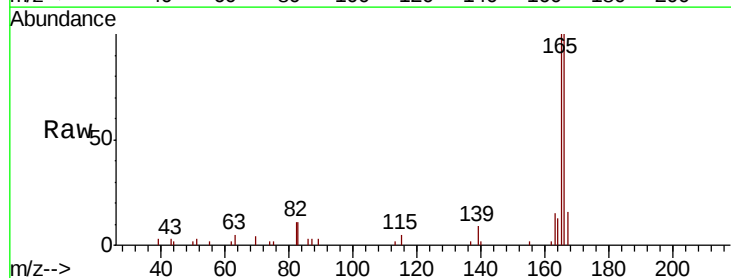
Instrument :
BNA_F
ClientSampleId :
CHRT-09

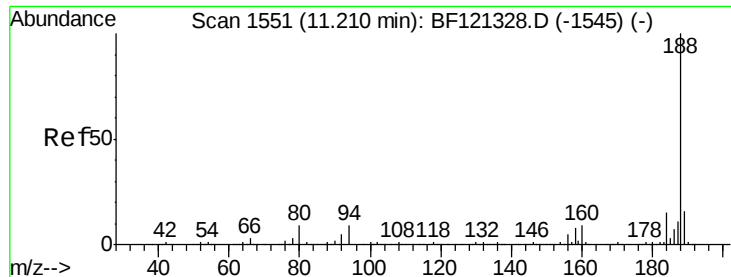
Tot Ion:165 Resp: 36373
Ion Ratio Lower Upper
165 100
63 1.0 37.5 56.3#
89 1.3 54.2 81.4#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: Below Cal
RT: 10.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

Tgt Ion:166 Resp: 17340
Ion Ratio Lower Upper
166 100
165 99.7 75.8 113.8
167 15.7 11.0 16.4

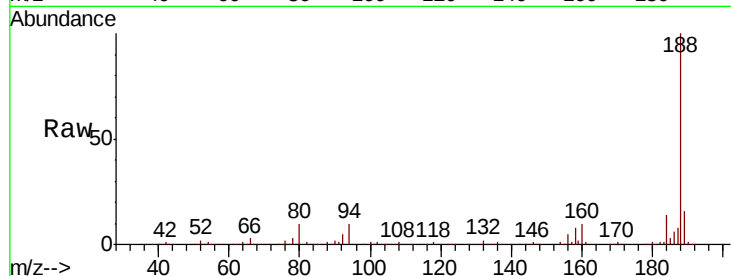




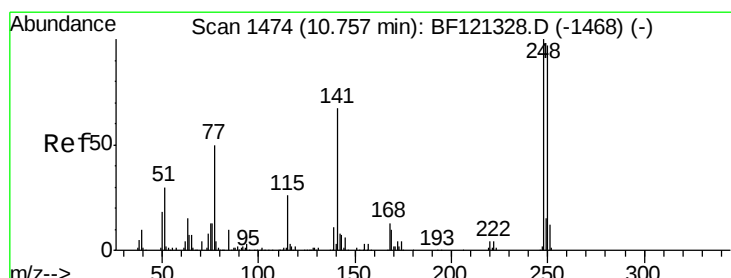
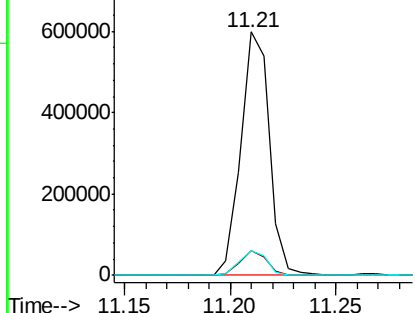
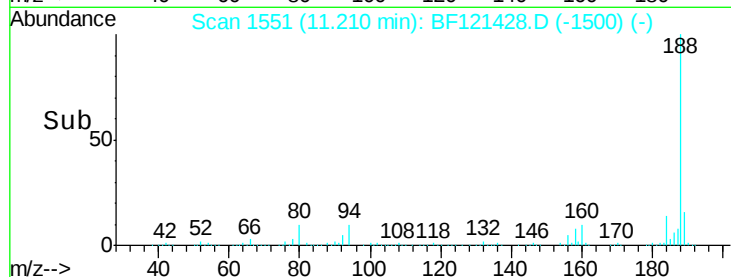
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF121428.D
 Acq: 25 Aug 2020 15:27

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-09

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.2	10.8
80	10.4	7.4	11.0

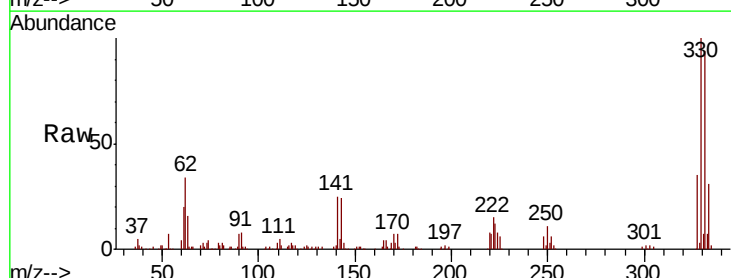


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

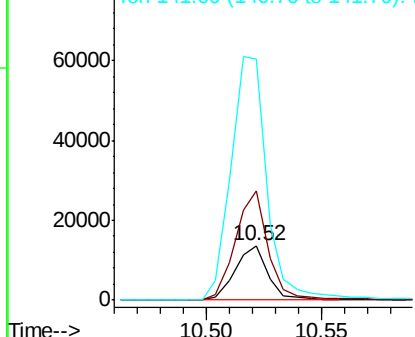
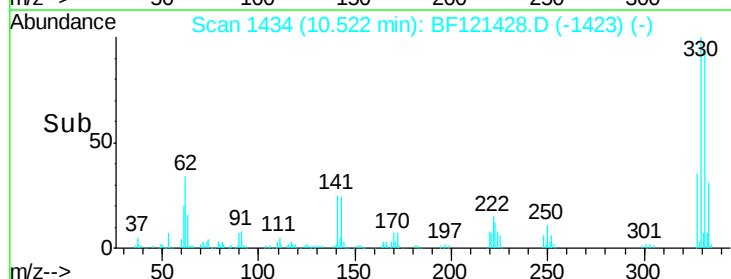


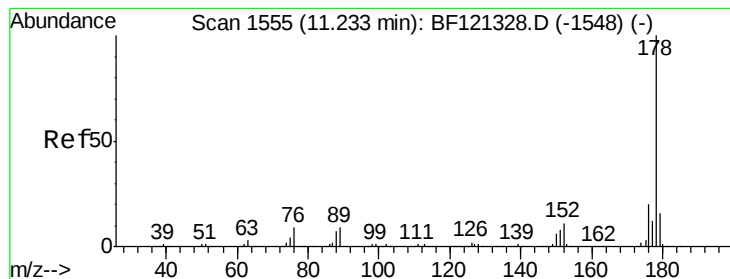
#67
 4-Bromophenyl-phenylether
 Concen: 2.166 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121428.D
 Acq: 25 Aug 2020 15:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.6	77.9	116.9#
141	443.5	53.5	80.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.574 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

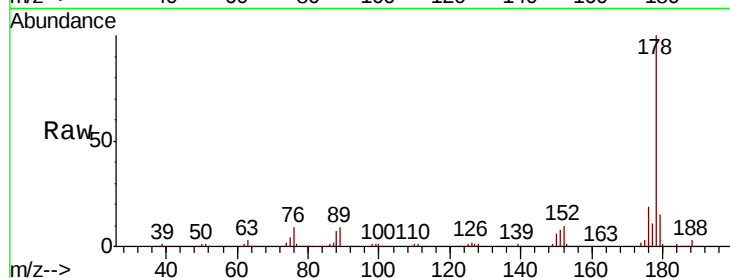
BNA_F

ClientSampleId :

CHRT-09

Tot Ion:178 Resp: 161458

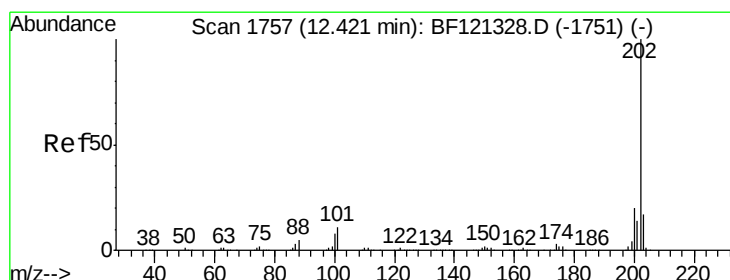
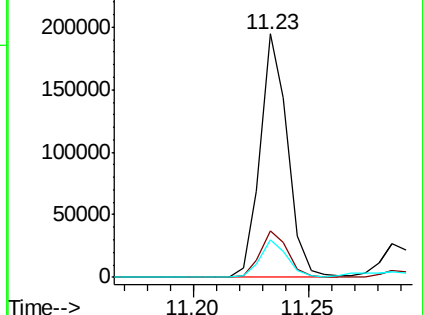
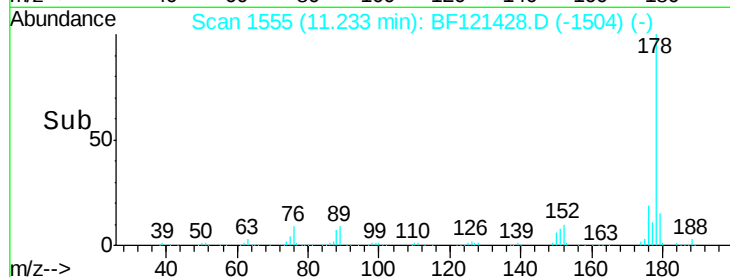
Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.0	24.0
179	15.3	12.8	19.2



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: 8.595 ng

RT: 12.42 min Scan# 1757

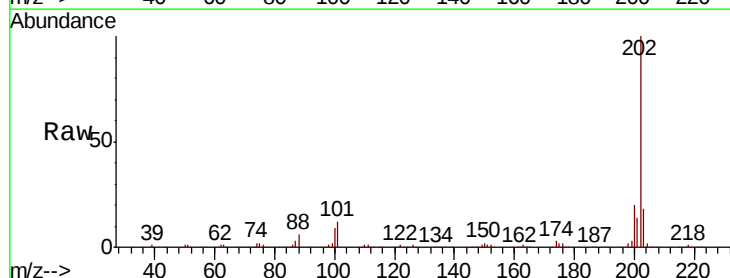
Delta R.T. 0.00 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Tgt Ion:202 Resp: 270215

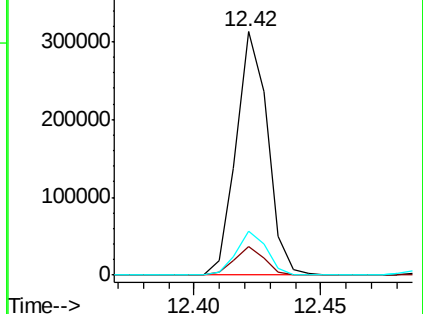
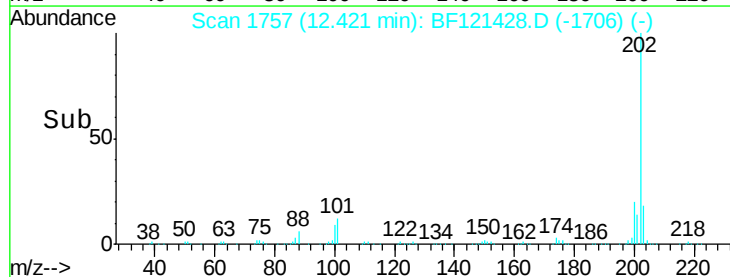
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.6
203	18.0	0.0	37.5

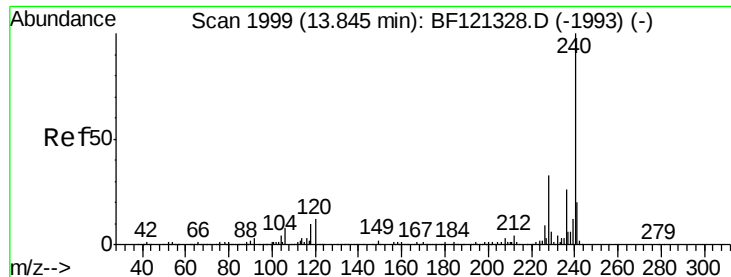


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

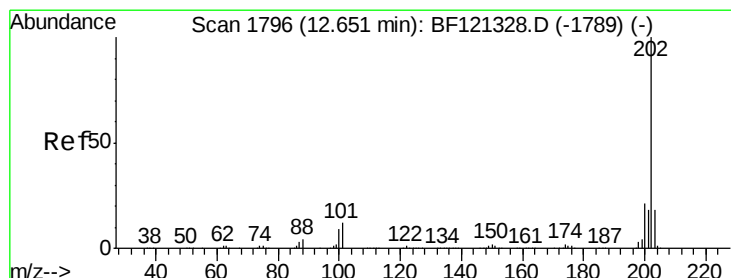
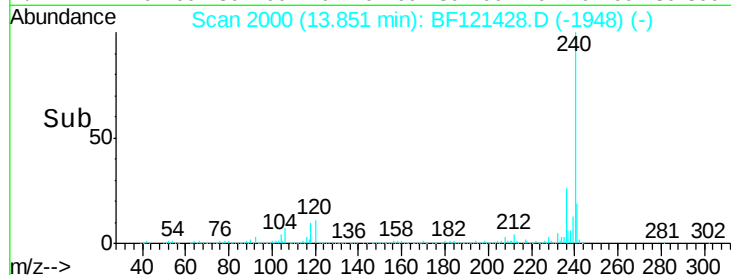
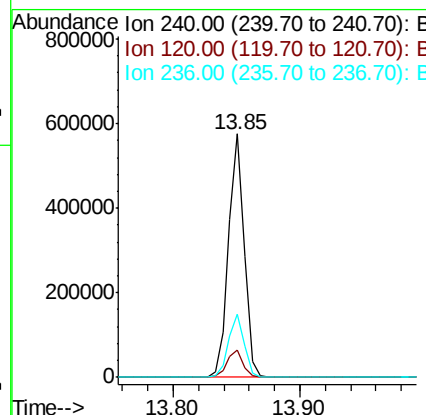
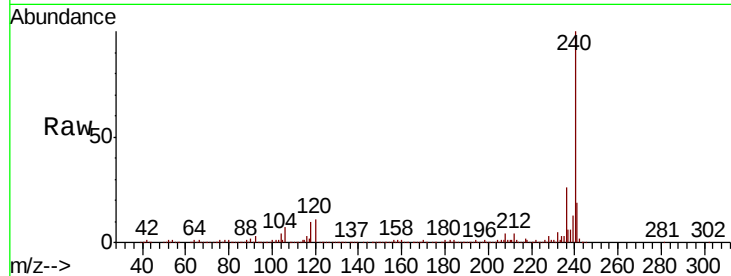




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

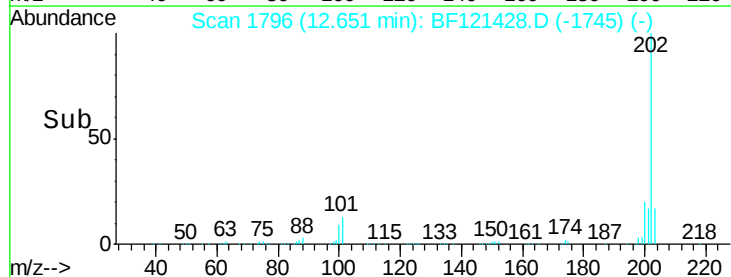
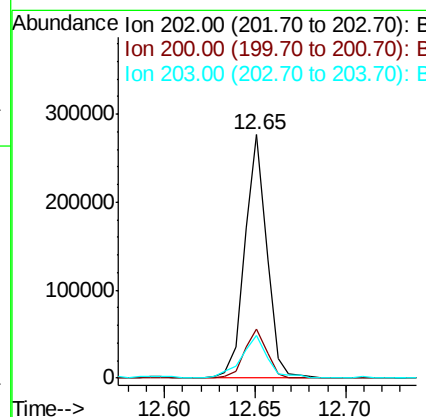
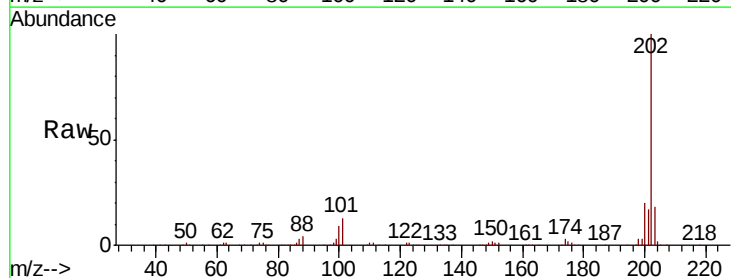
Instrument :
BNA_F
ClientSampleId :
CHRT-09

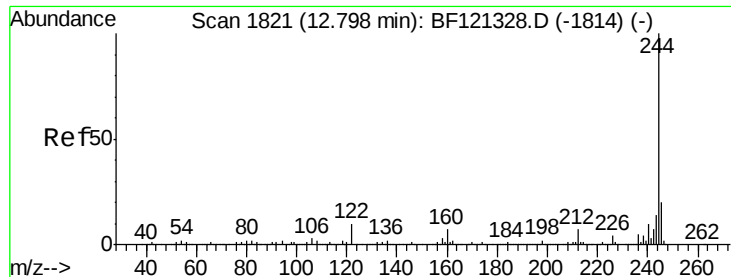
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.6	14.4
236	26.1	20.6	31.0



#78
Pyrene
Concen: 6.193 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	24.8
203	17.7	14.2	21.2





#79

Terphenyl-d14

Concen: 35.312 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT-09

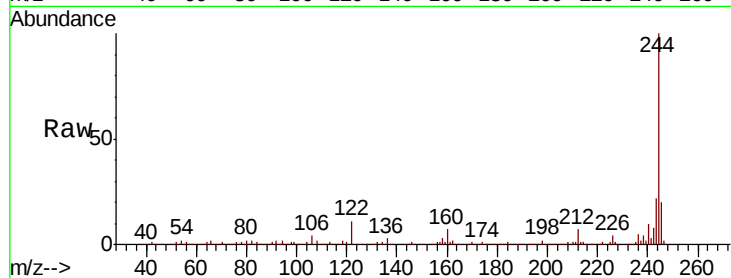
Tot Ion:244 Resp: 897884

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

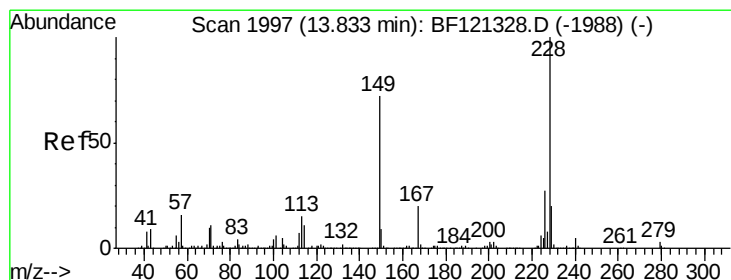
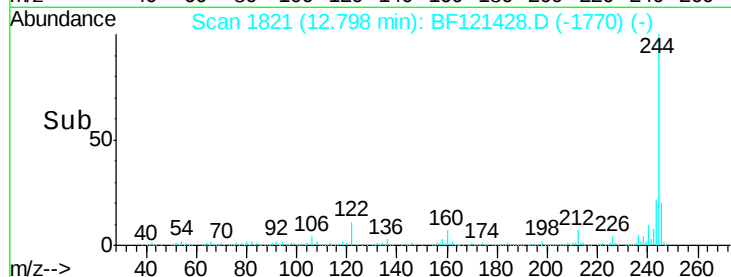
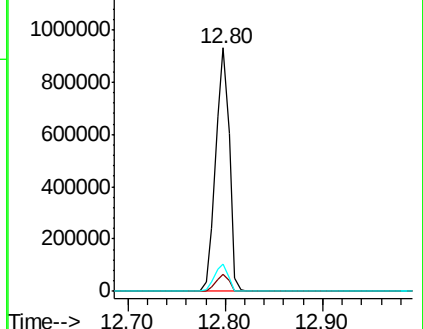
122 11.2 7.8 11.8



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: 3.156 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

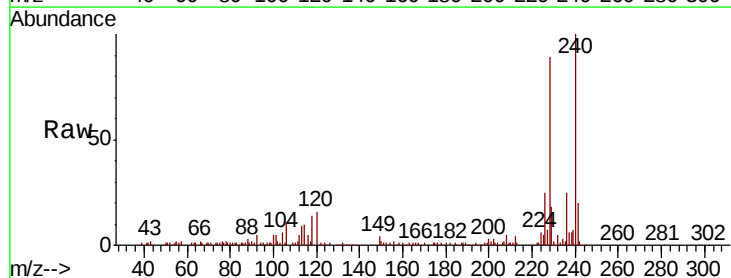
Tgt Ion:228 Resp: 97410

Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.6

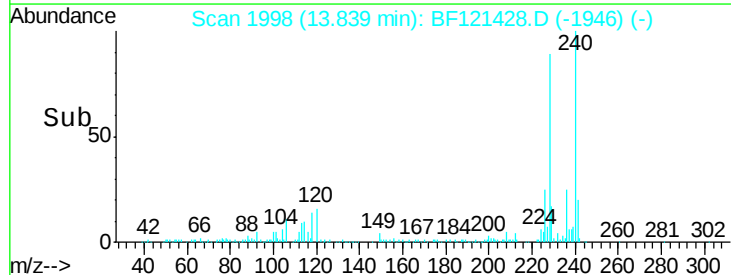
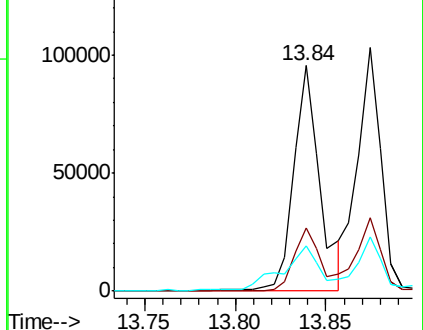
229 20.0 15.8 23.8

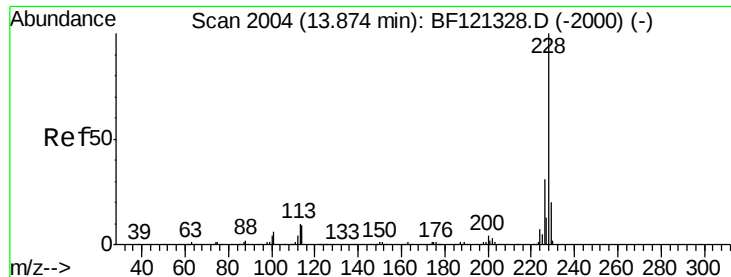


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.979 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampled :

CHRT-09

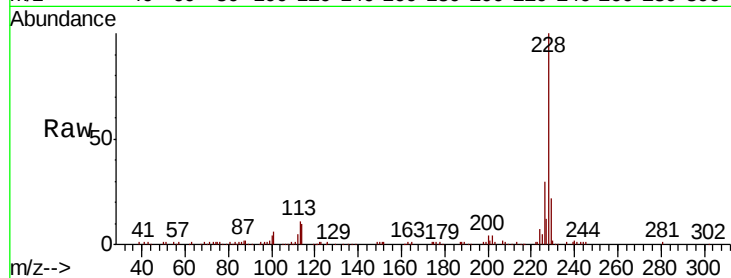
Tot Ion:228 Resp: 94016

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

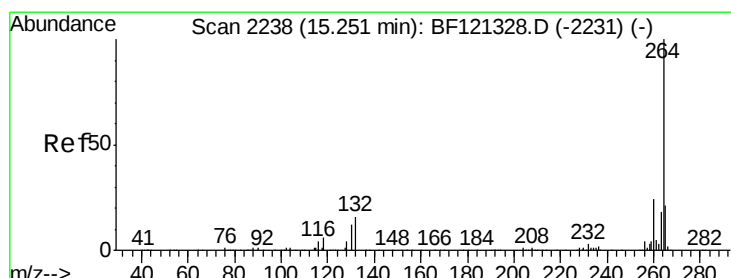
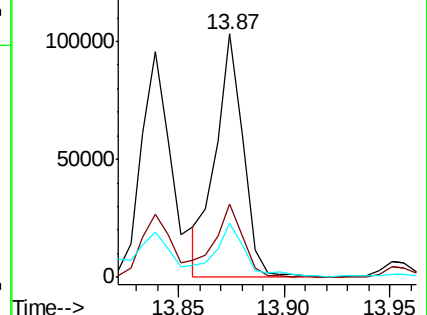
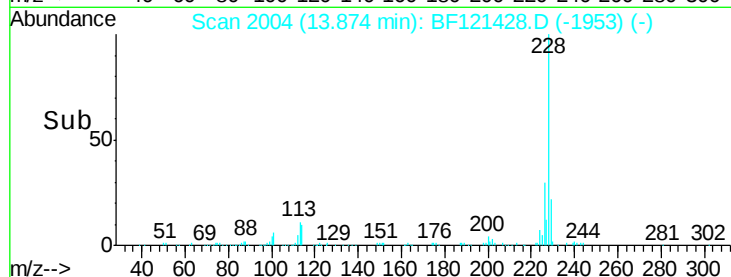
229 22.2 15.9 23.9



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: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

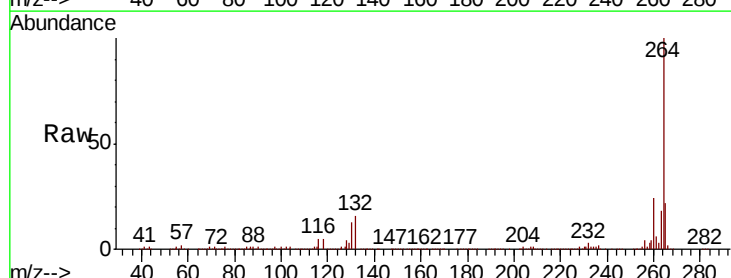
Tgt Ion:264 Resp: 462761

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

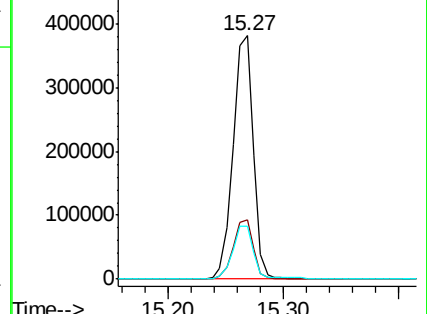
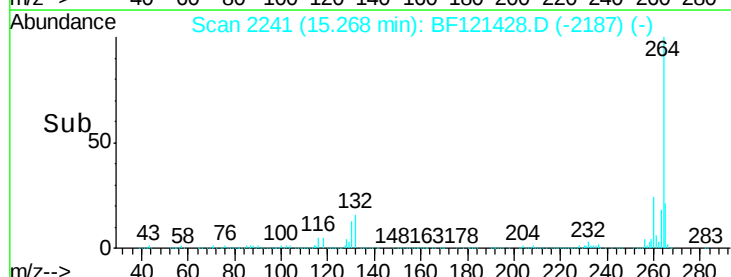
265 21.5 17.1 25.7

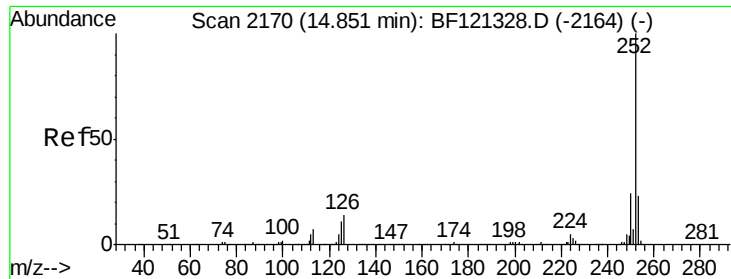


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

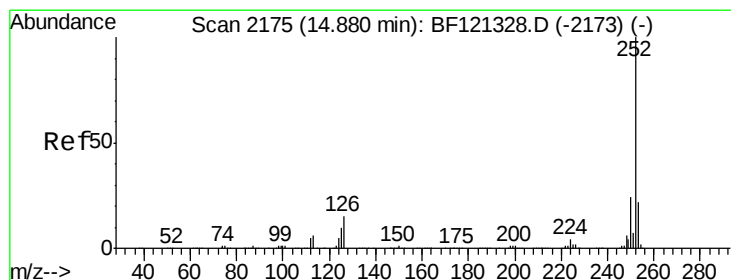
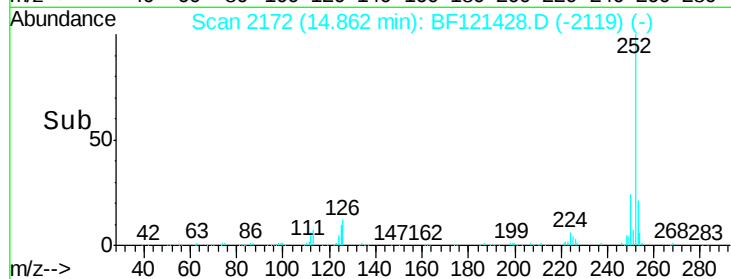
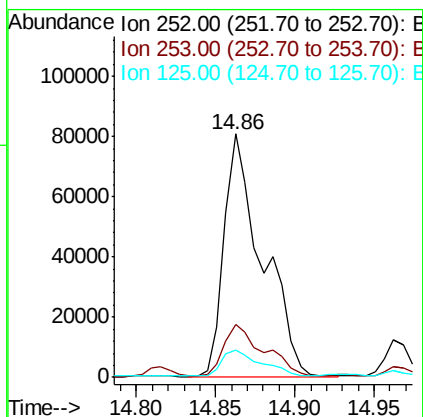
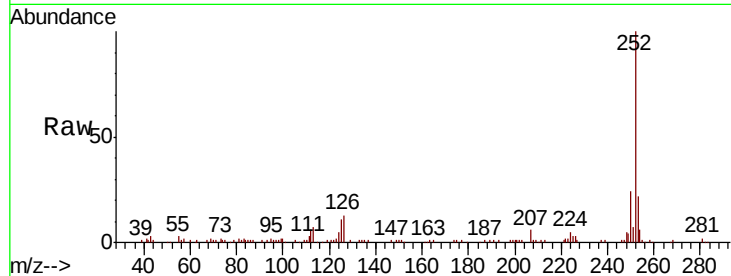




#88
Benzo(b)fluoranthene
Concen: 4.557 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

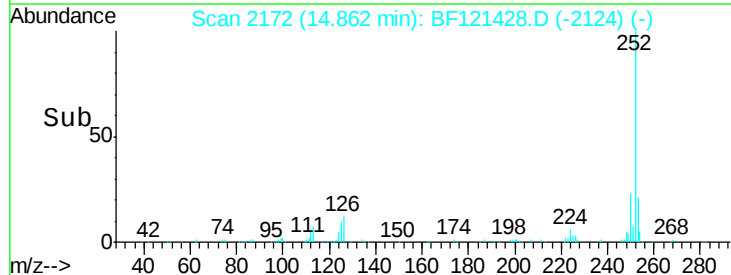
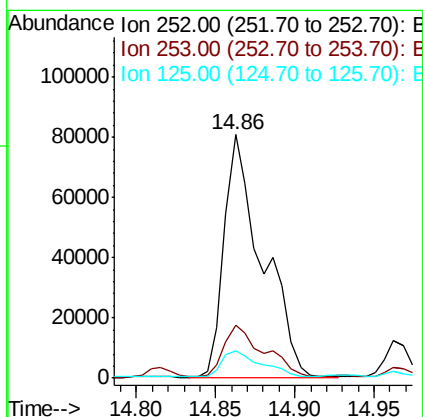
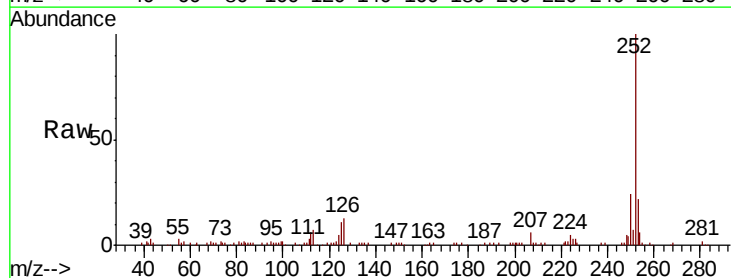
Instrument :
BNA_F
ClientSampled :
CHRT-09

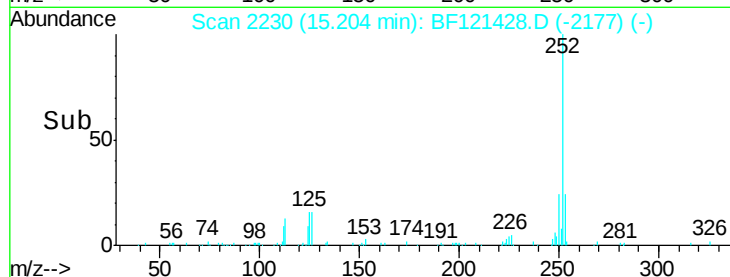
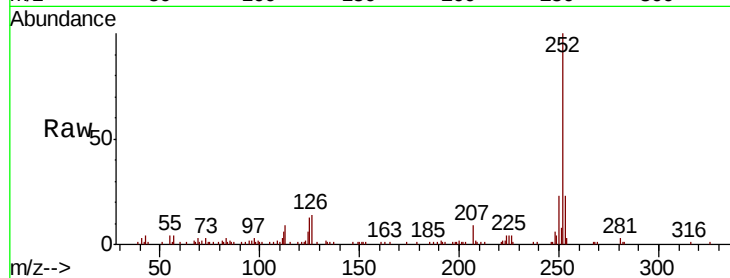
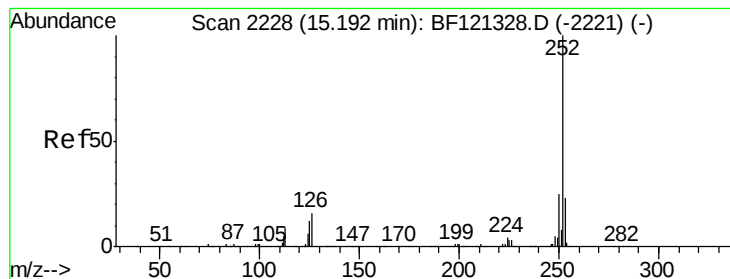
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.0	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 5.177 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121428.D
Acq: 25 Aug 2020 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	11.0	8.6	12.8





#90

Benzo(a)pyrene

Concen: 2.376 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.01 min

Lab File: BF121428.D

Acq: 25 Aug 2020 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT-09

Tot Ion: 252 Resp: 61368

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 12.6 9.4 14.0

