

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121429.D
 Acq On : 25 Aug 2020 15:59
 Operator : JU/CG
 Sample : L3785-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-18

Quant Time: Aug 25 18:15:11 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	146565	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	594217	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	308920	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	607077	20.00	ng	0.00
76) Chrysene-d12	13.85	240	543495	20.00	ng	0.00
86) Perylene-d12	15.27	264	524962	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	697727	78.06	ng	0.01
7) Phenol-d6	6.35	99	858983	75.28	ng	0.00
23) Nitrobenzene-d5	7.26	82	562571	53.54	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	263372	73.16	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	998426	57.93	ng	0.00
79) Terphenyl-d14	12.80	244	1043446	37.52	ng	0.00

Target Compounds

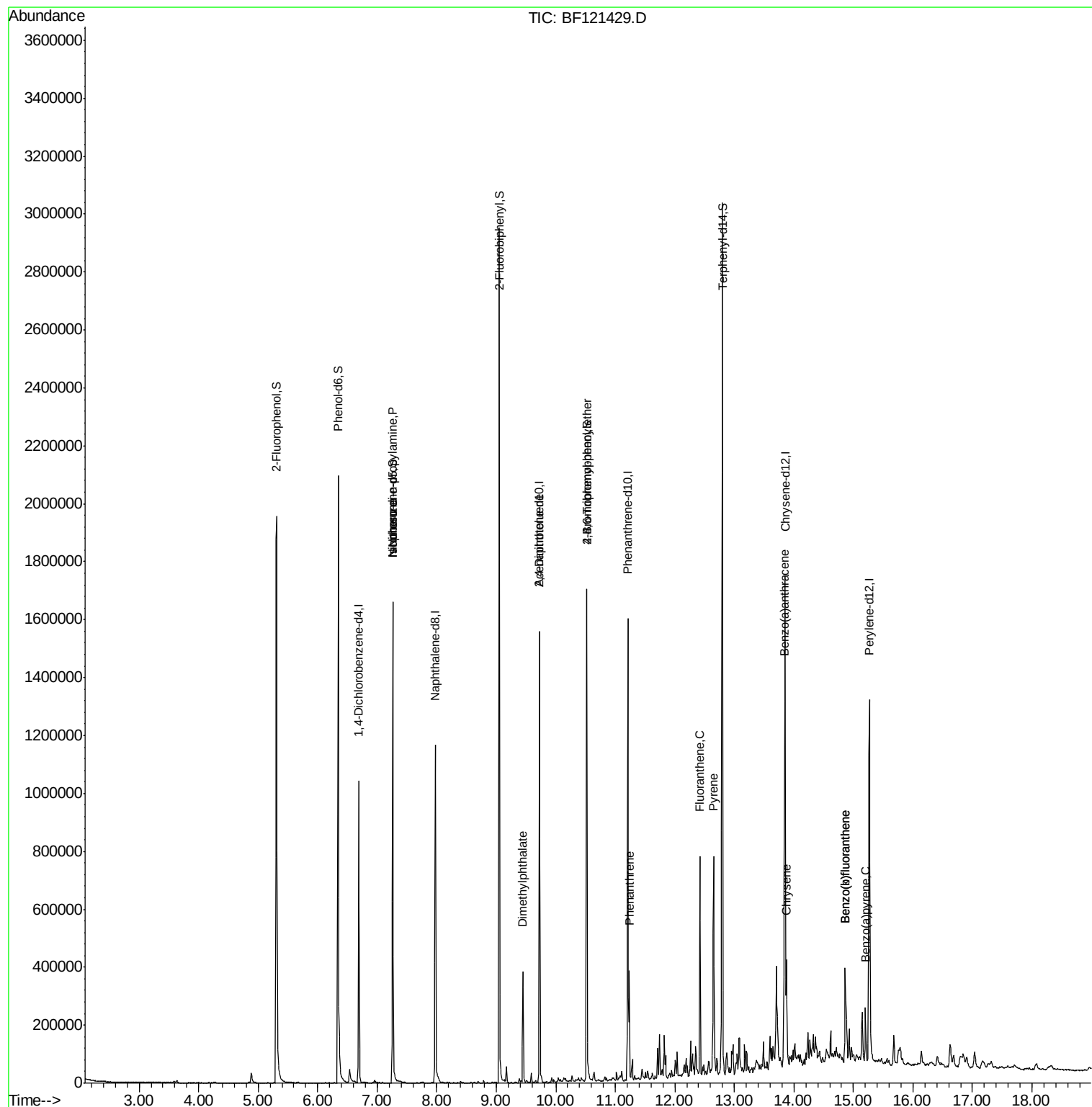
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	72338	11.788	ng	# 78
25) Isophorone	7.26	82	562567	29.422	ng	# 65
50) Dimethylphthalate	9.45	163	165266	7.353	ng	100
55) Dibenzofuran	9.93	168	3838	Below Cal	#	93
57) 2,4-Dinitrotoluene	9.73	165	40300	6.882	ng	# 25
58) Fluorene	10.27	166	7033	Below Cal		96
67) 4-Bromophenyl-phenylether	10.52	248	14949	2.220	ng	# 1
71) Phenanthrene	11.23	178	124895	3.975	ng	97
75) Fluoranthene	12.42	202	281154	8.244	ng	98
78) Pyrene	12.65	202	291040	7.129	ng	99
81) Benzo(a)anthracene	13.84	228	117359	3.477	ng	97
83) Chrysene	13.87	228	138165	4.002	ng	98
88) Benzo(b)fluoranthene	14.86	252	213652	6.300	ng	100
89) Benzo(k)fluoranthene	14.86	252	213652	7.157	ng	100
90) Benzo(a)pyrene	15.20	252	85380	2.914	ng	99

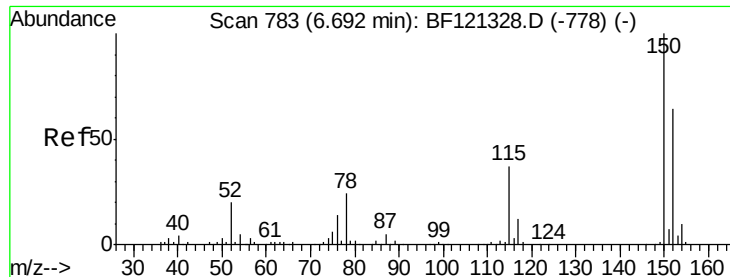
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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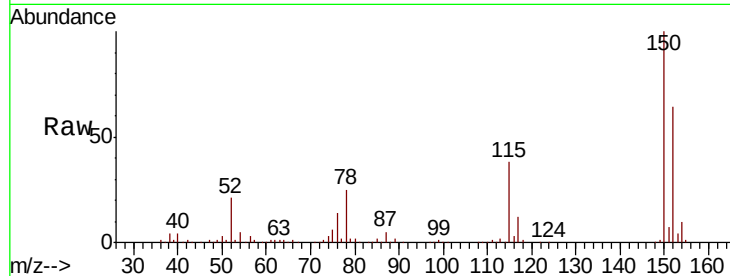


#1

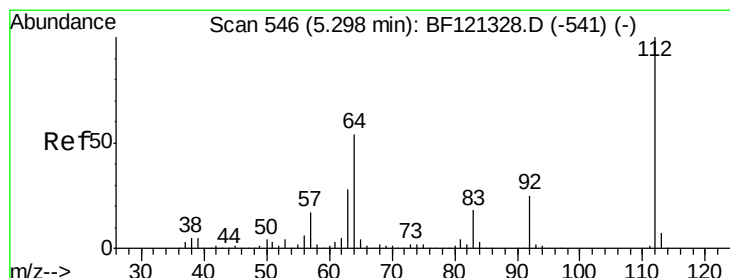
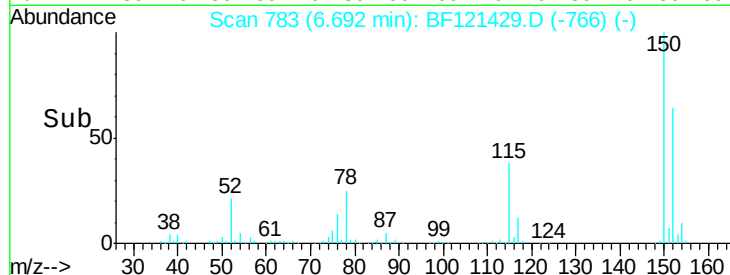
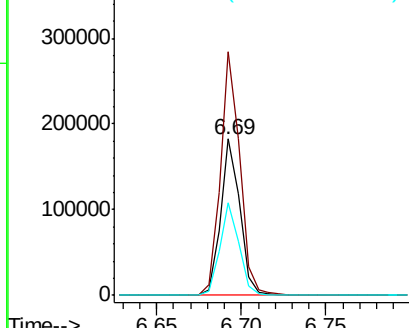
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Instrument :
BNA_F
ClientSampleId :
CHRT-18

Tot Ion:152 Resp: 146565
Ion Ratio Lower Upper
152 100
150 155.8 124.8 187.2
115 59.0 46.1 69.1



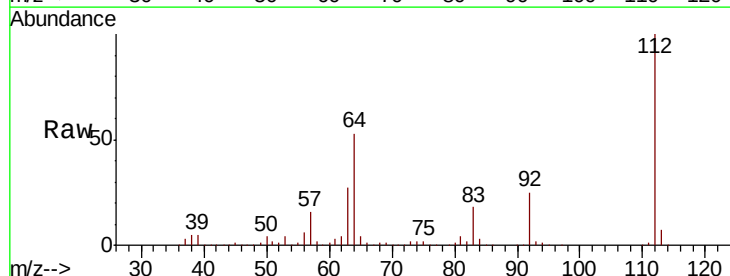
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



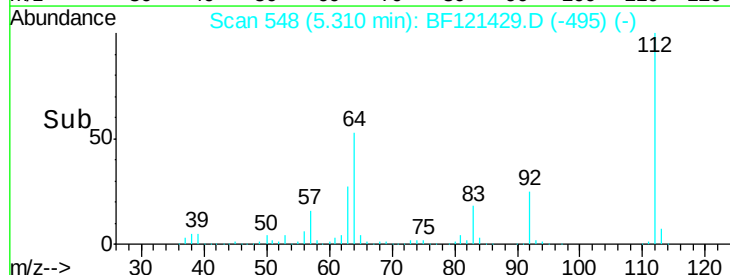
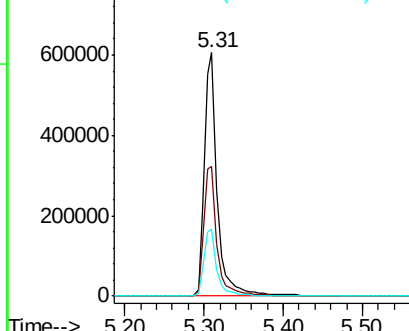
#5

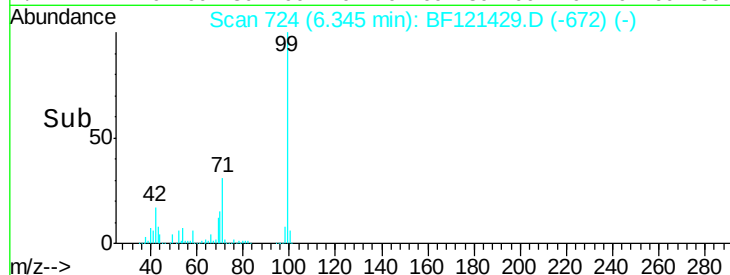
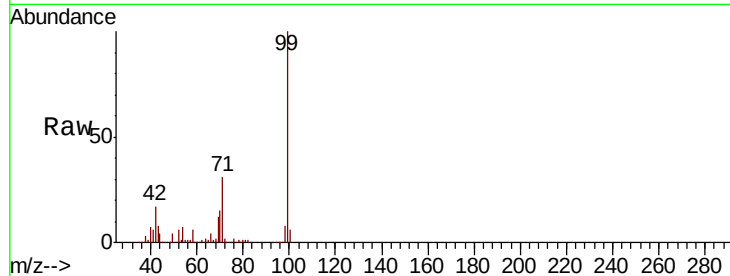
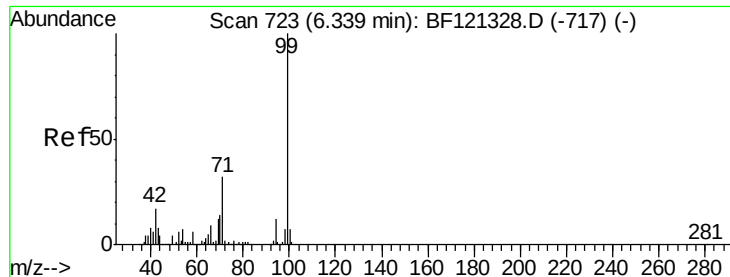
2-Fluorophenol
Concen: 78.060 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion:112 Resp: 697727
Ion Ratio Lower Upper
112 100
64 53.0 43.5 65.3
63 27.3 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: 75.279 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampleId :

CHRT-18

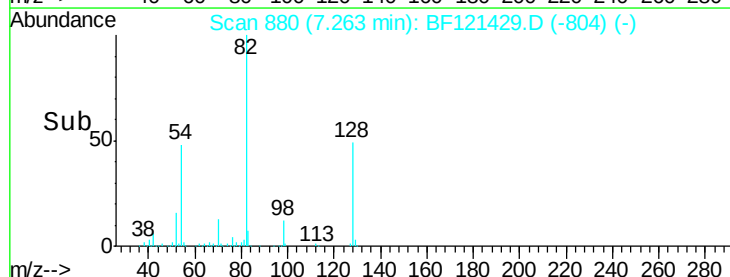
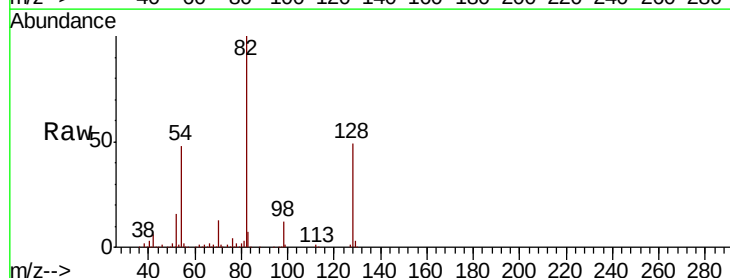
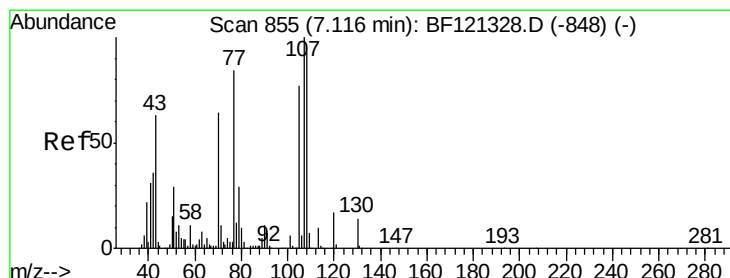
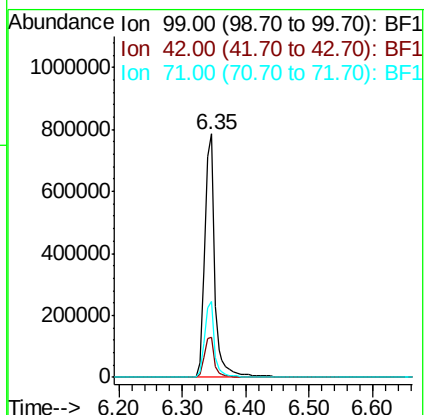
Tot Ion: 99 Resp: 858983

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

71 31.2 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.788 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Tgt Ion: 70 Resp: 72338

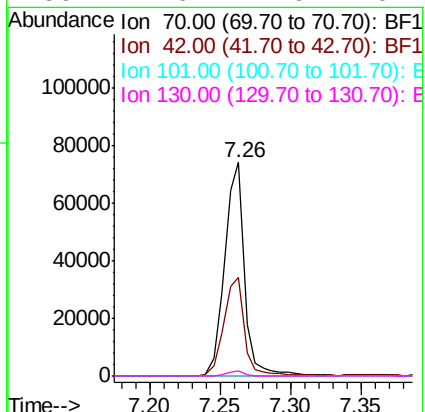
Ion Ratio Lower Upper

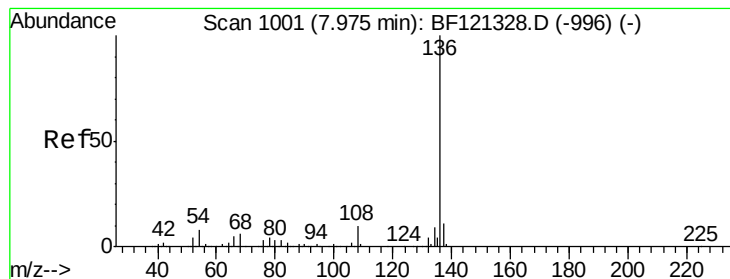
70 100

42 46.2 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: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampled :

CHRT-18

Tot Ion:136 Resp: 594217

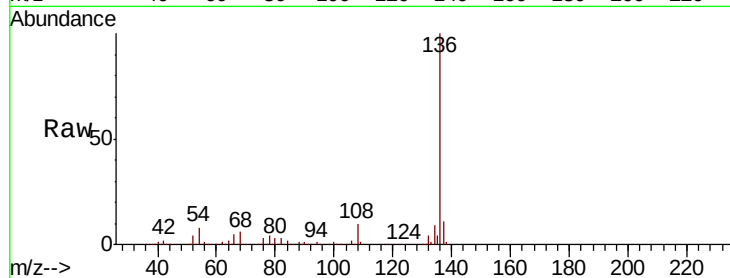
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 6.1 9.1

68 6.3 5.0 7.4

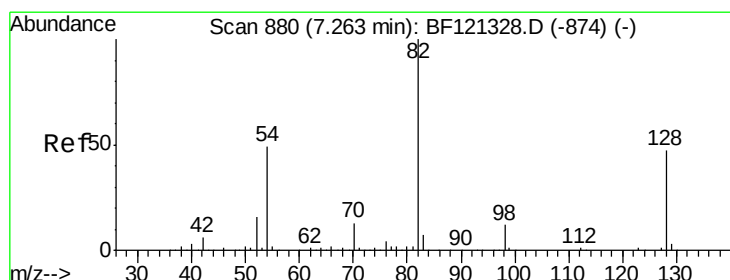
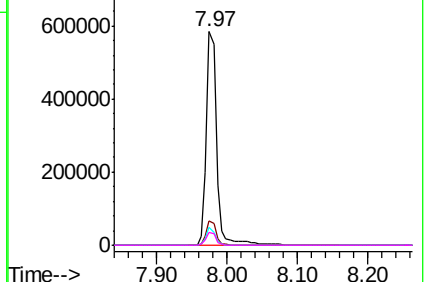
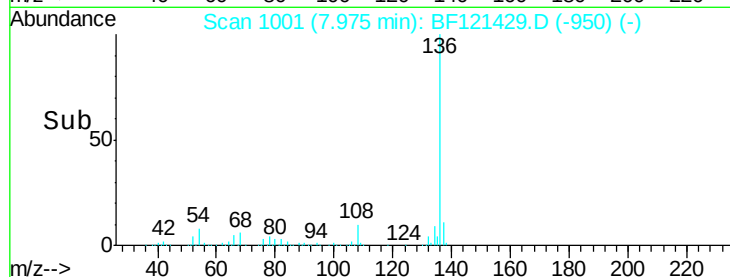


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.544 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

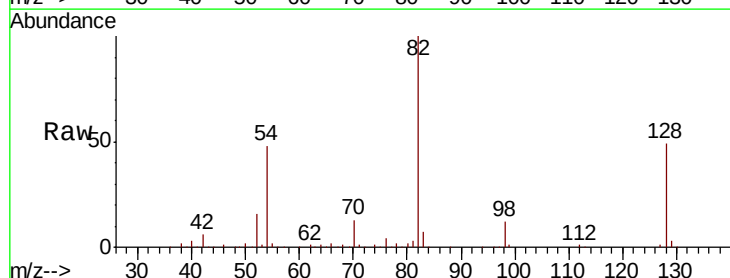
Tgt Ion: 82 Resp: 562571

Ion Ratio Lower Upper

82 100

128 48.9 37.9 56.9

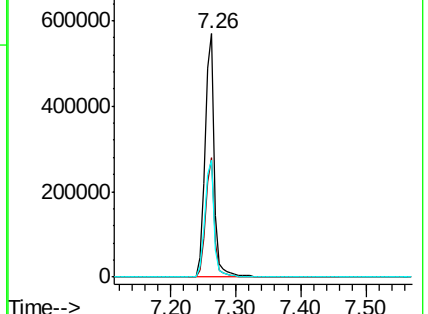
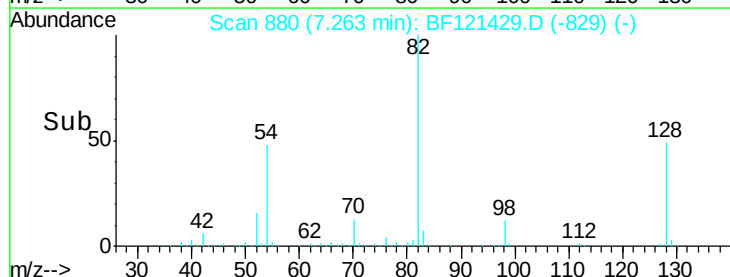
54 48.1 39.0 58.4

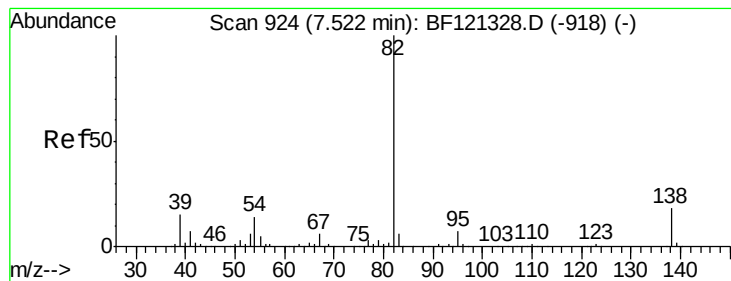


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.422 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampleId :

CHRT-18

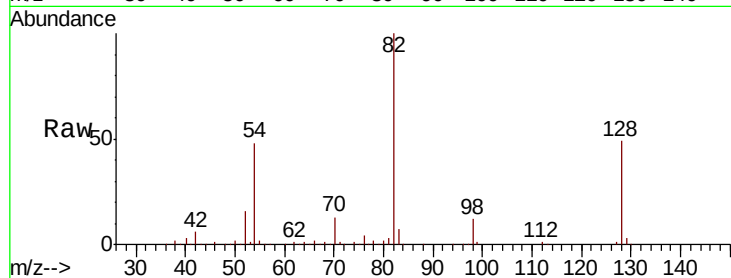
Tot Ion: 82 Resp: 562567

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

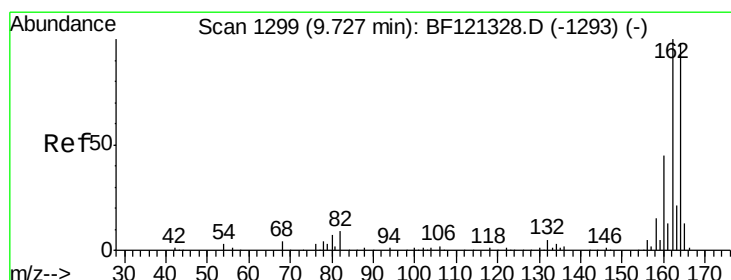
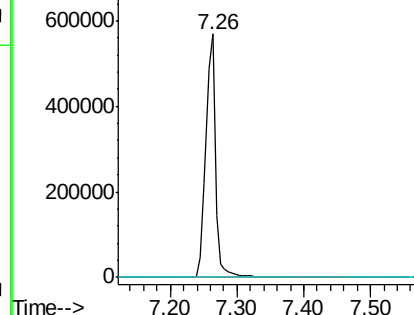
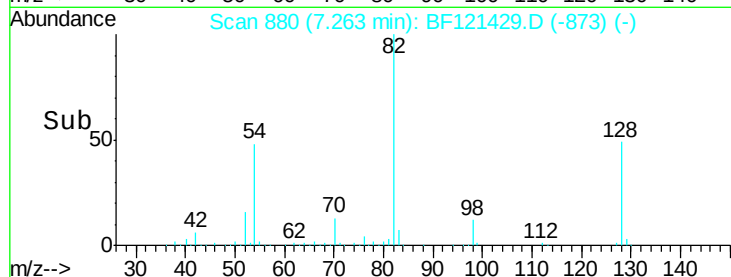
138 0.0 14.6 21.8#



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: BF121429.D

Acq: 25 Aug 2020 15:59

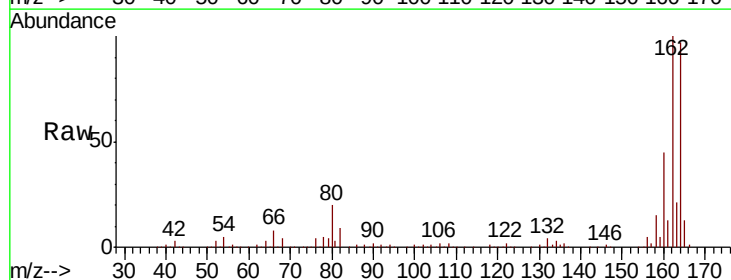
Tgt Ion: 164 Resp: 308920

Ion Ratio Lower Upper

164 100

162 102.9 81.7 122.5

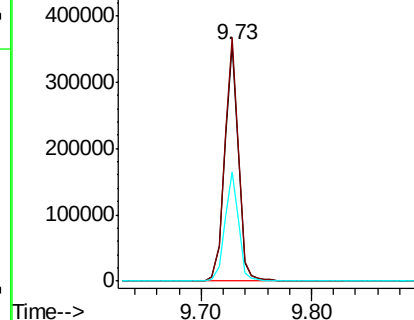
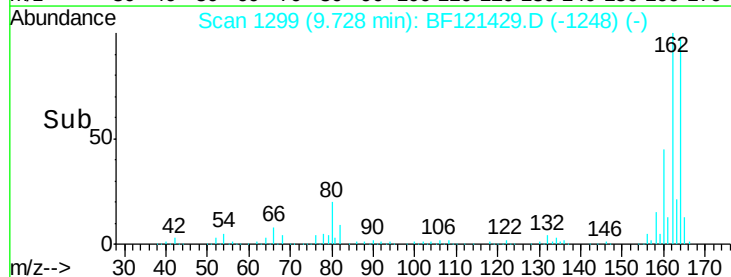
160 46.2 37.0 55.4

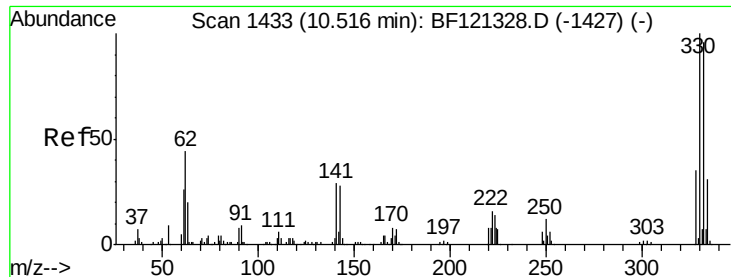


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 73.161 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampleId :

CHRT-18

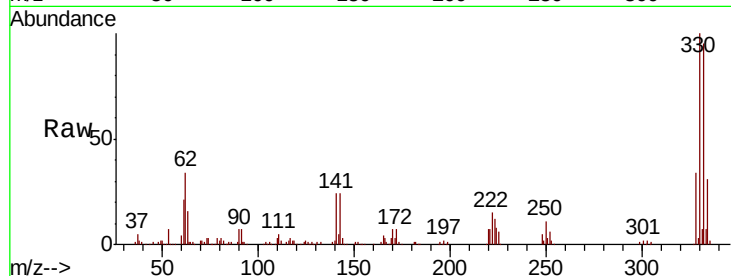
Tot Ion:330 Resp: 263372

Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

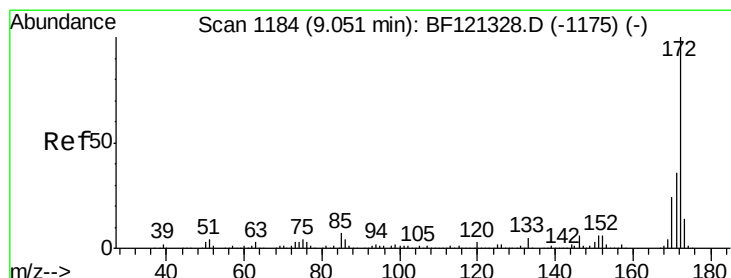
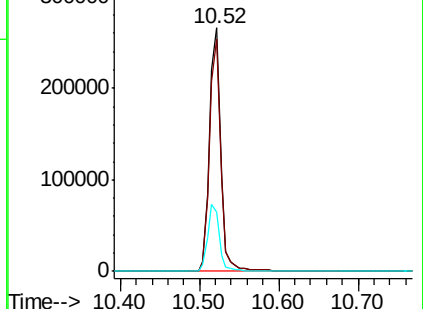
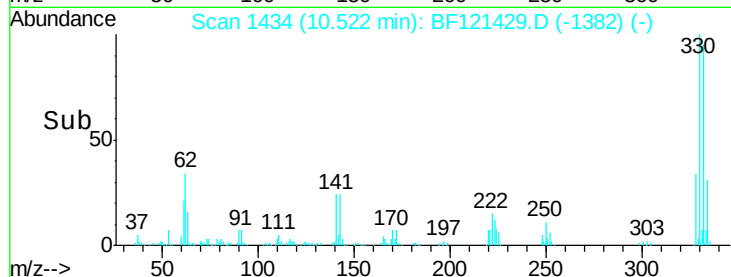
141 29.3 22.8 34.2



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: 57.927 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

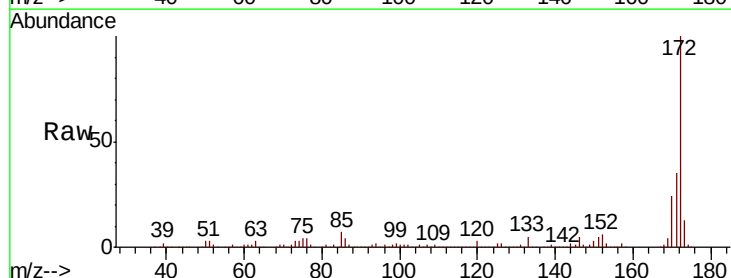
Tgt Ion:172 Resp: 998426

Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

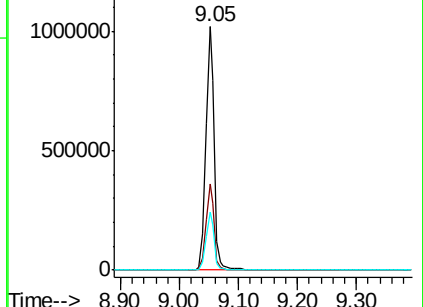
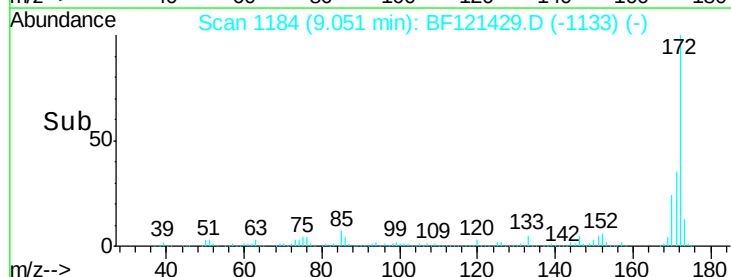
170 23.9 19.4 29.2

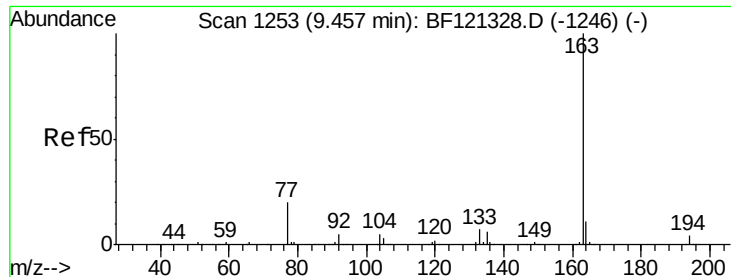


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.353 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampleId :

CHRT-18

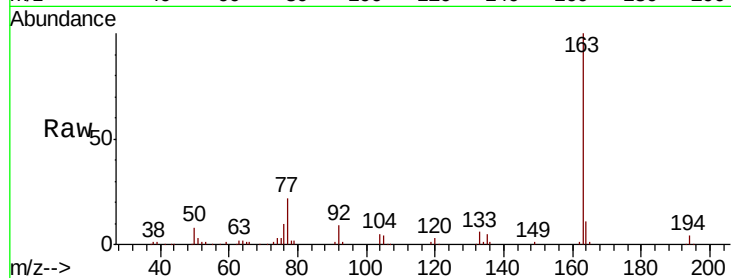
Tot Ion:163 Resp: 165266

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

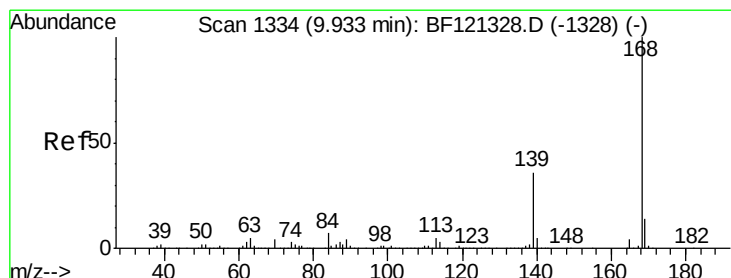
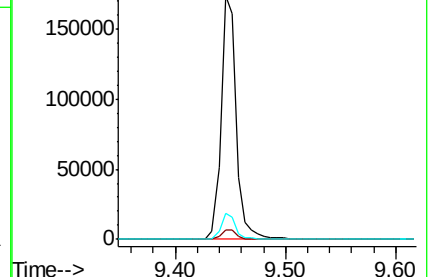
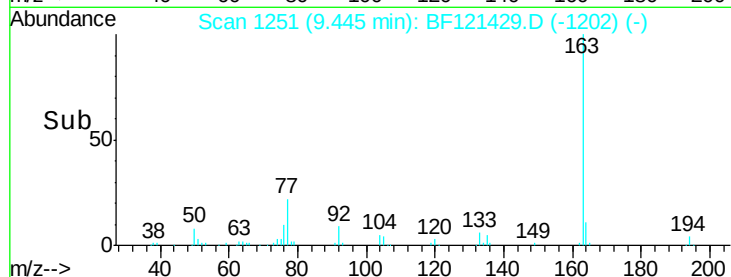
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

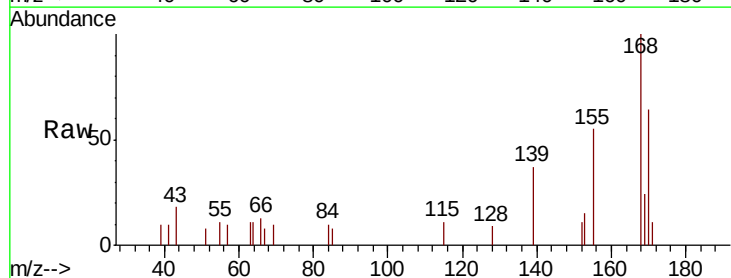
Tgt Ion:168 Resp: 3838

Ion Ratio Lower Upper

168 100

139 36.8 29.1 43.7

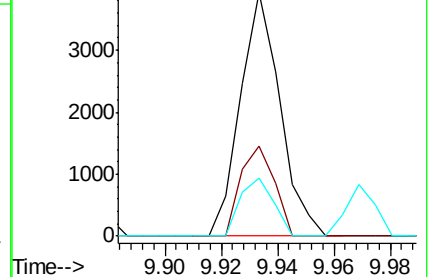
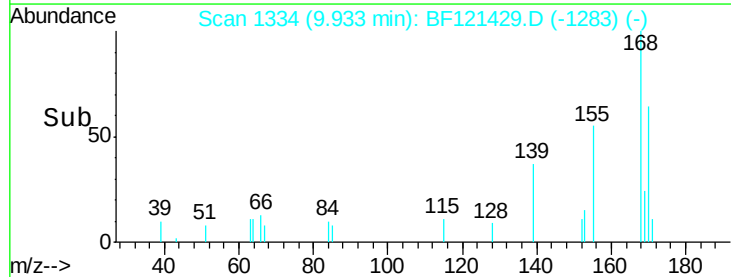
169 23.8 11.0 16.6#

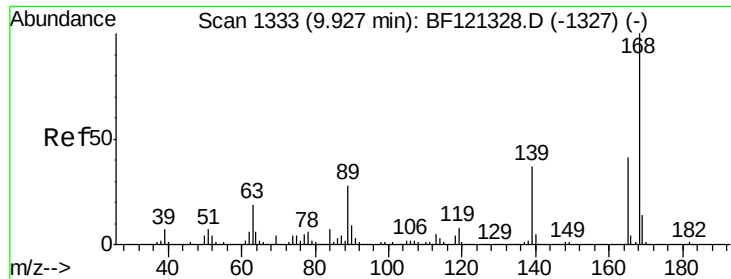


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

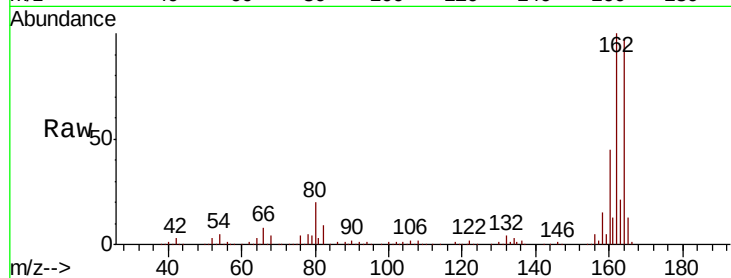




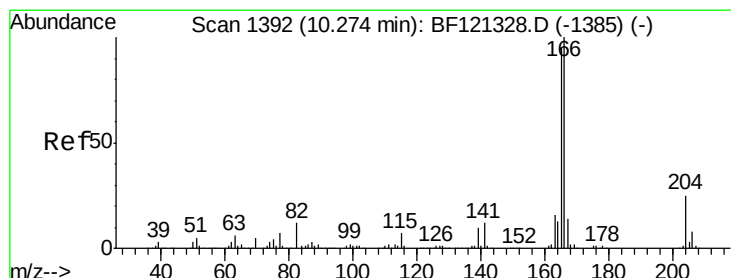
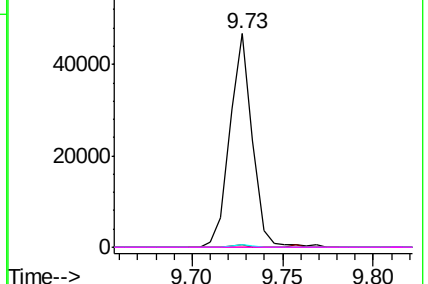
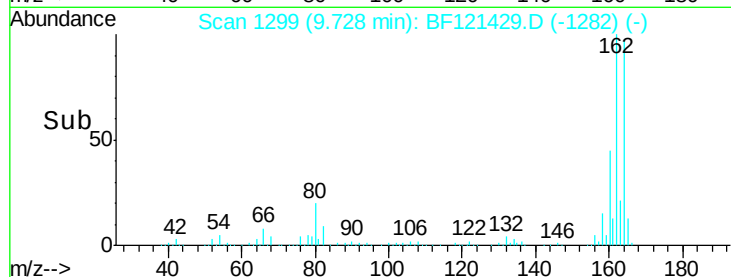
#57
 2,4-Dinitrotoluene
 Concen: 6.882 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF121429.D
 Acq: 25 Aug 2020 15:59

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-18

Tot Ion:165	Resp:	40300
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#

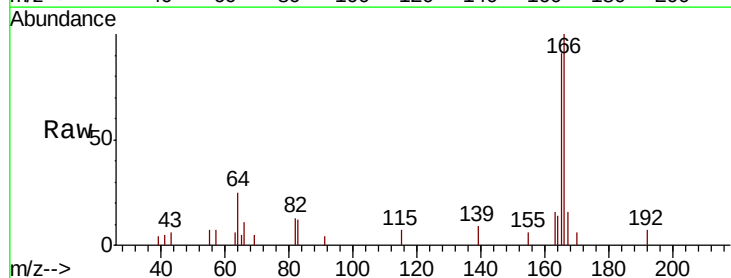


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

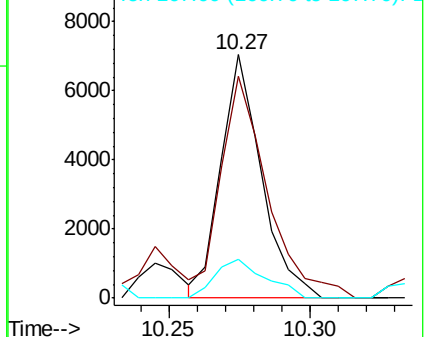
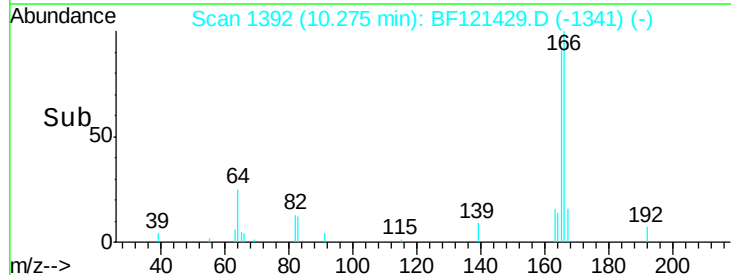


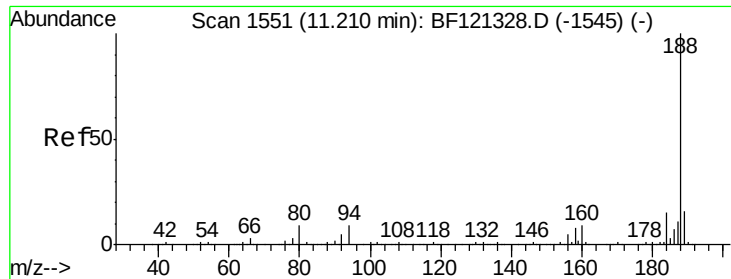
#58
 Fluorene
 Concen: Below Cal
 RT: 10.27 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: BF121429.D
 Acq: 25 Aug 2020 15:59

Tgt Ion:166	Resp:	7033
Ion Ratio	Lower	Upper
166	100	
165	91.4	75.8 113.8
167	16.0	11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

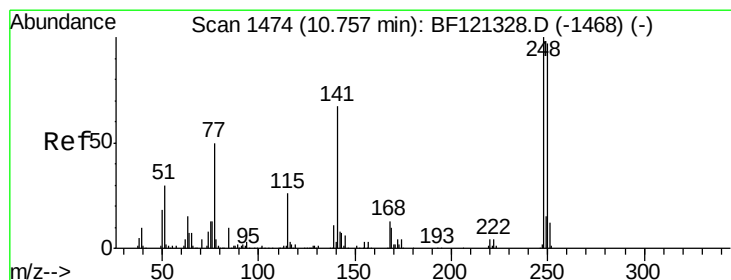
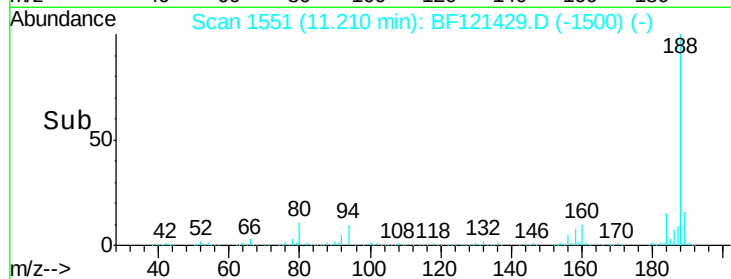
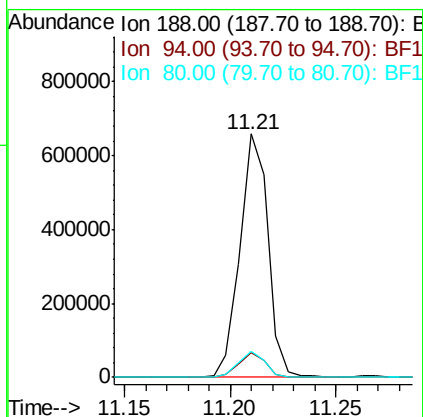
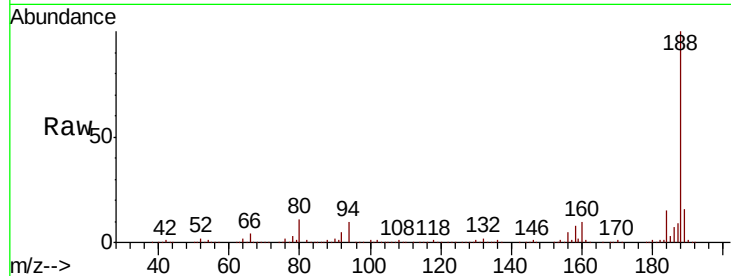




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF121429.D
 Acq: 25 Aug 2020 15:59

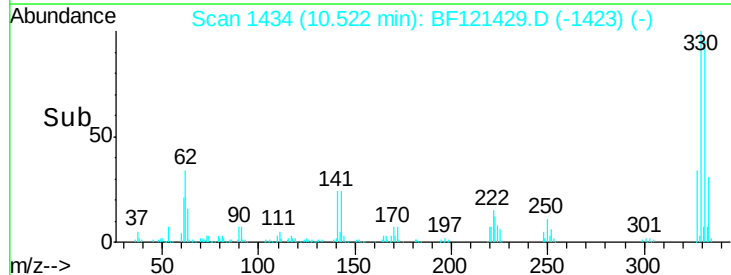
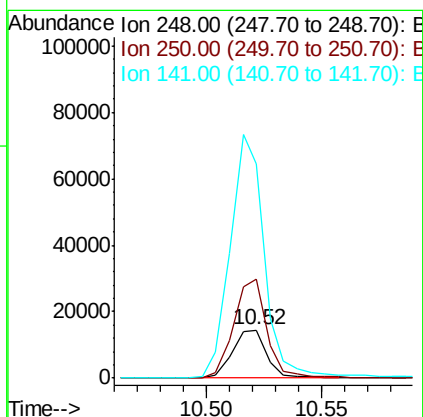
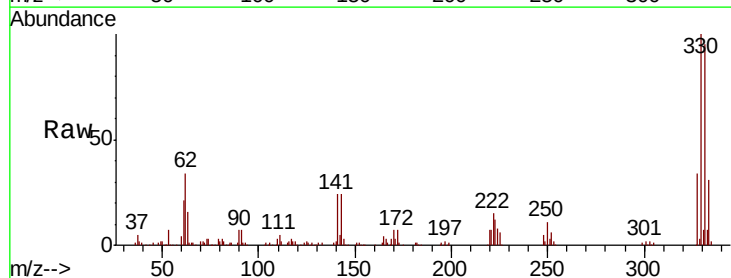
Instrument :
 BNA_F
 ClientSampled :
 CHRT-18

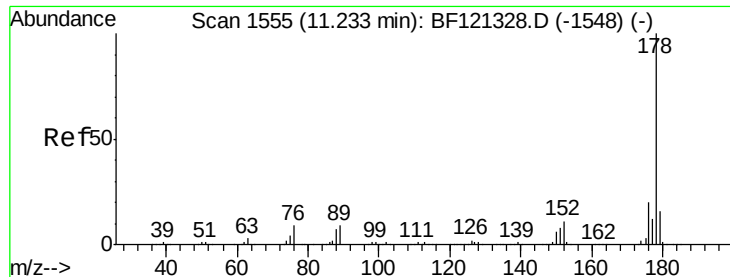
Tot Ion:188 Resp: 607077
 Ion Ratio Lower Upper
 188 100
 94 10.1 7.2 10.8
 80 10.5 7.4 11.0



#67
 4-Bromophenyl-phenylether
 Concen: 2.220 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121429.D
 Acq: 25 Aug 2020 15:59

Tgt Ion:248 Resp: 14949
 Ion Ratio Lower Upper
 248 100
 250 205.2 77.9 116.9#
 141 442.9 53.5 80.3#





#71

Phenanthrene

Concen: 3.975 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampleId :

CHRT-18

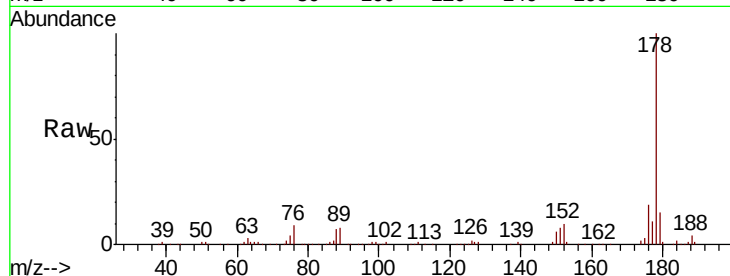
Tot Ion:178 Resp: 124895

Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

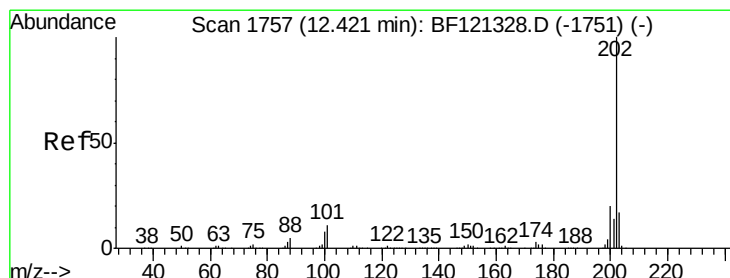
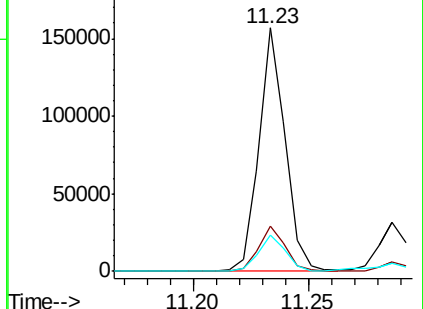
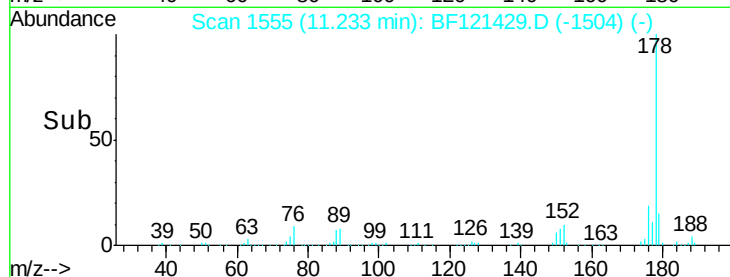
179 14.9 12.8 19.2



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: 8.244 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

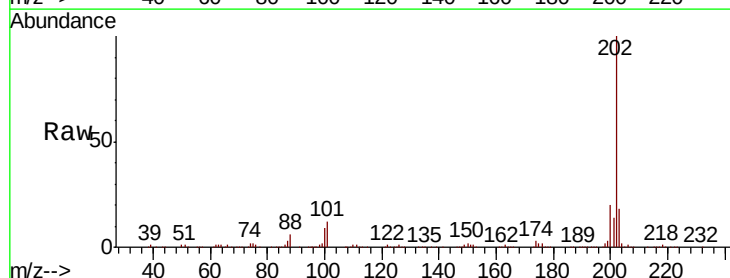
Tgt Ion:202 Resp: 281154

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.6

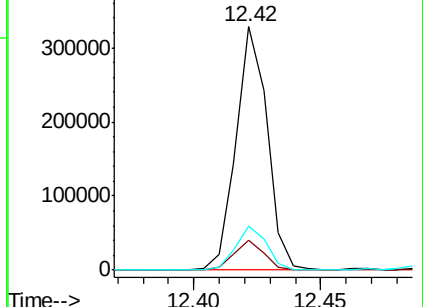
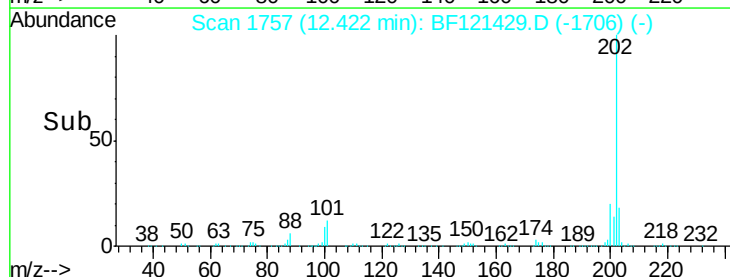
203 17.8 0.0 37.5

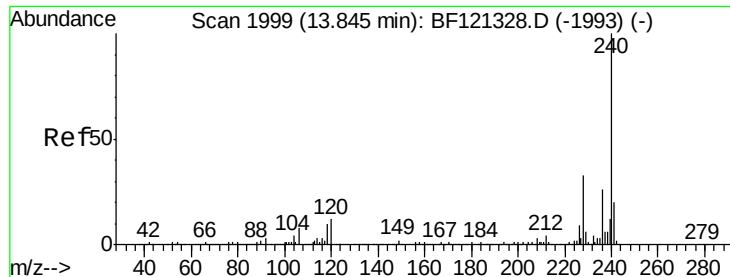


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

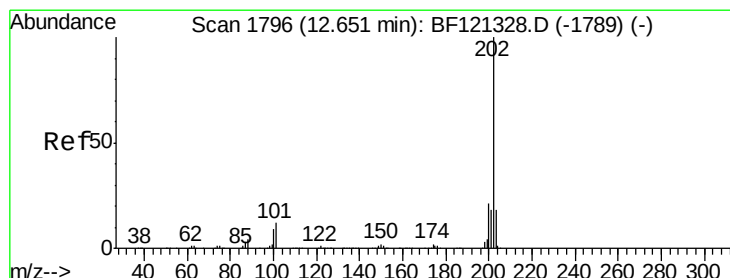
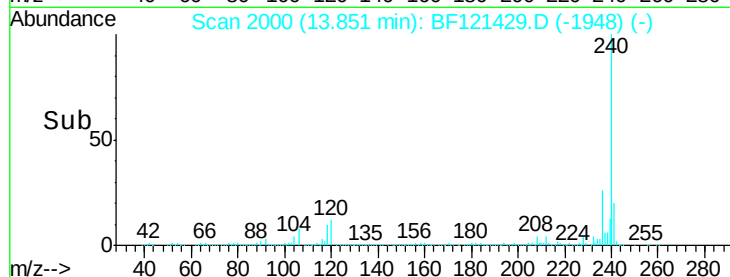
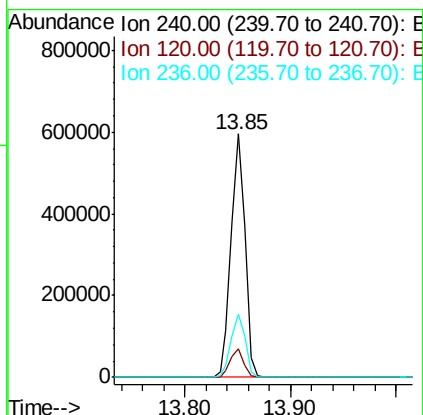
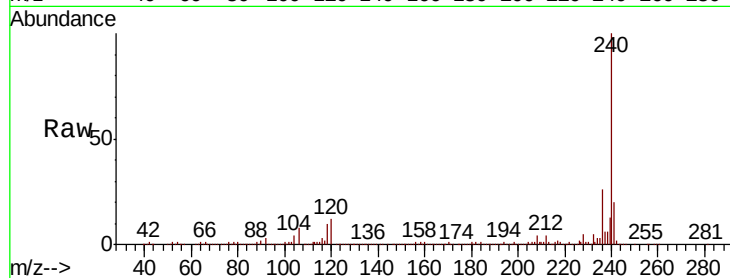




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

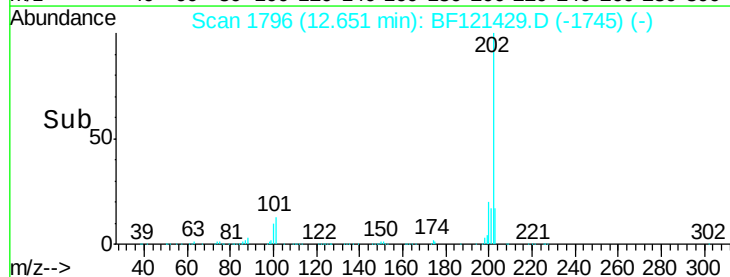
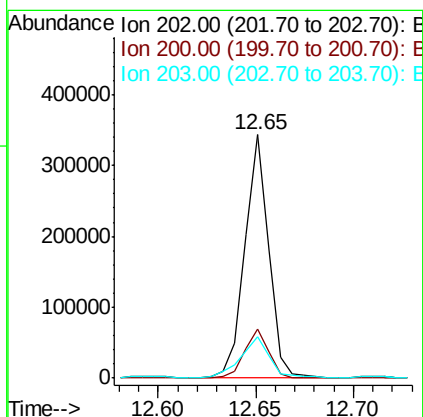
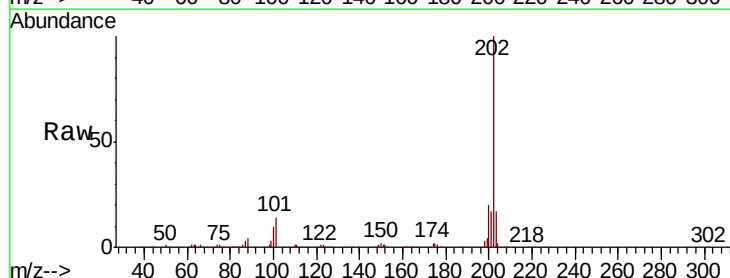
Instrument :
BNA_F
ClientSampleId :
CHRT-18

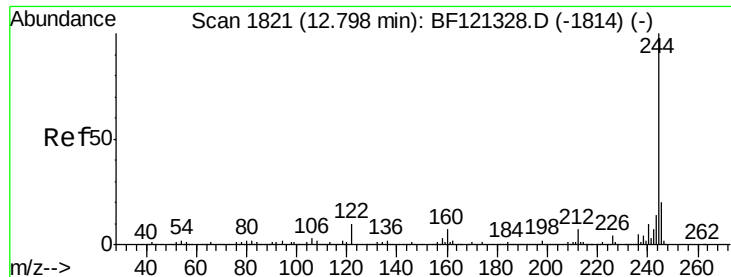
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	26.2	20.6	31.0



#78
Pyrene
Concen: 7.129 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.1	14.2	21.2





#79

Terphenyl-d14

Concen: 37.517 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampled :

CHRT-18

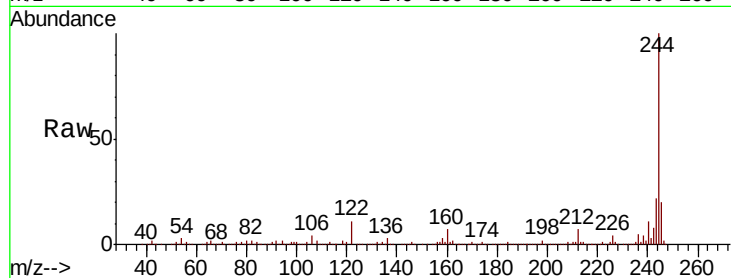
Tot Ion:244 Resp: 1043446

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

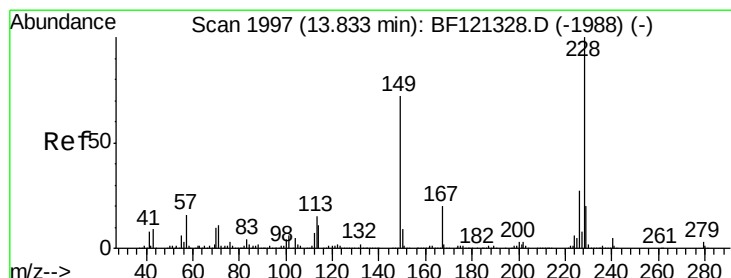
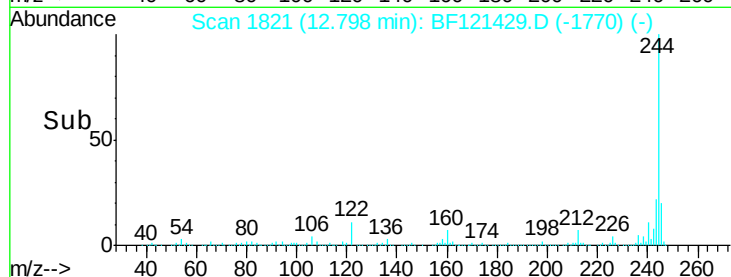
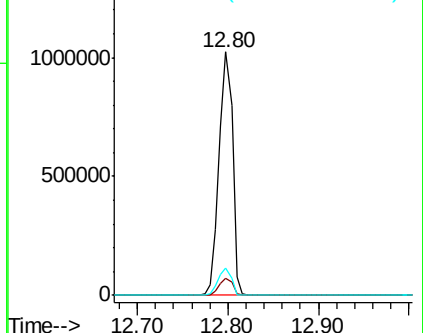
122 11.3 7.8 11.8



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: 3.477 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

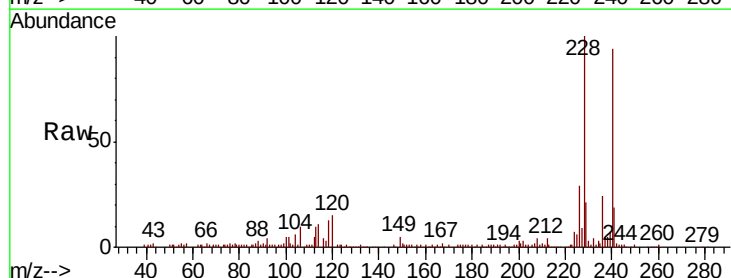
Tgt Ion:228 Resp: 117359

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.6

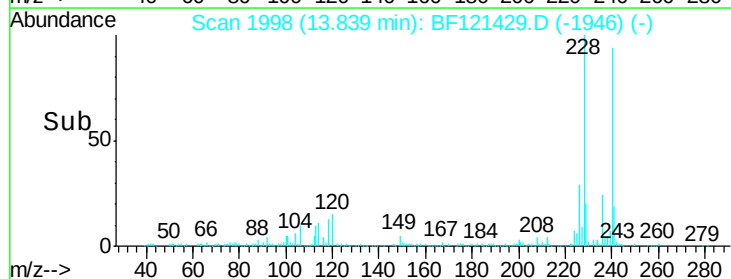
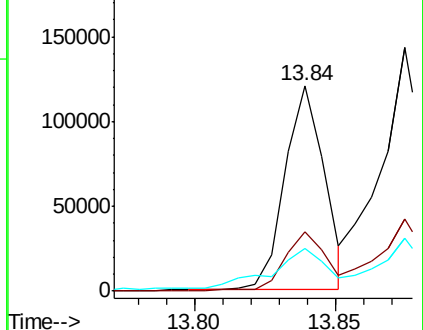
229 20.9 15.8 23.8

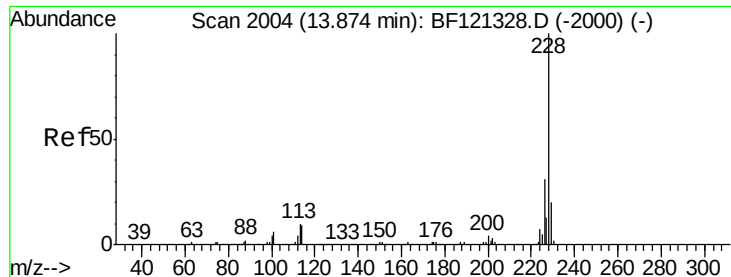


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

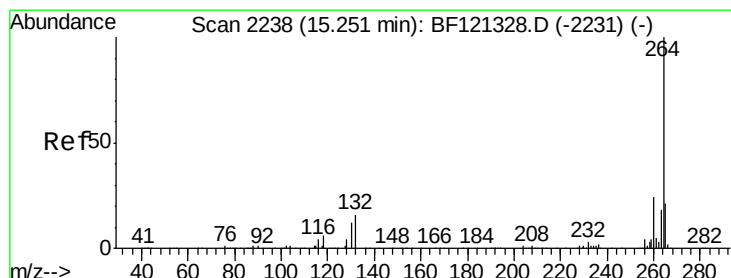
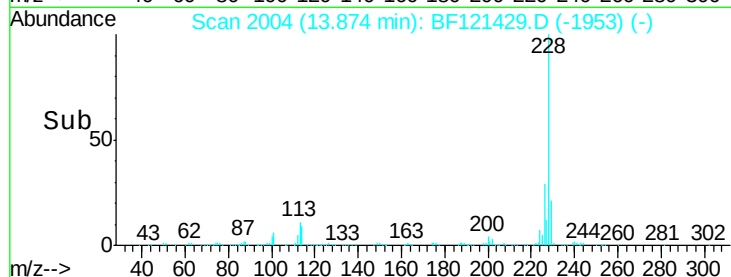
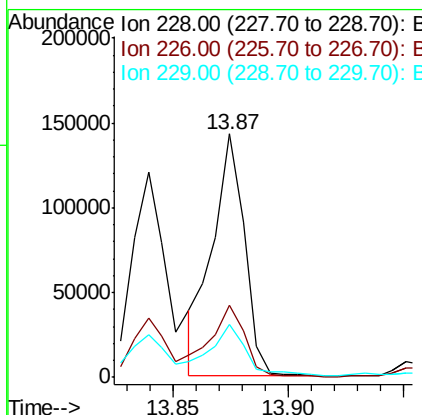
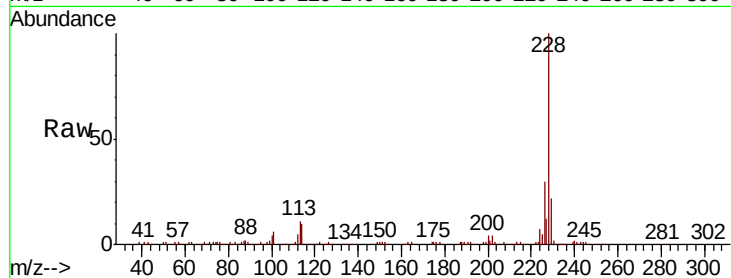




#83
Chrysene
Concen: 4.002 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

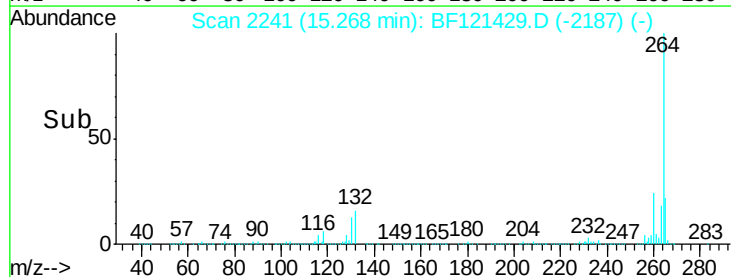
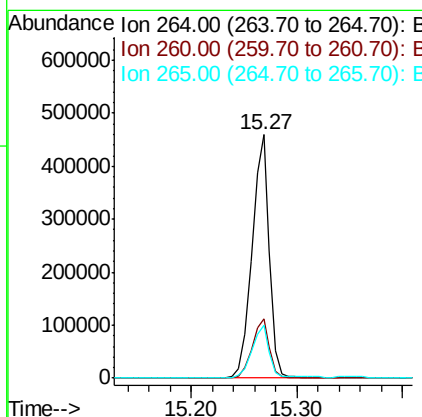
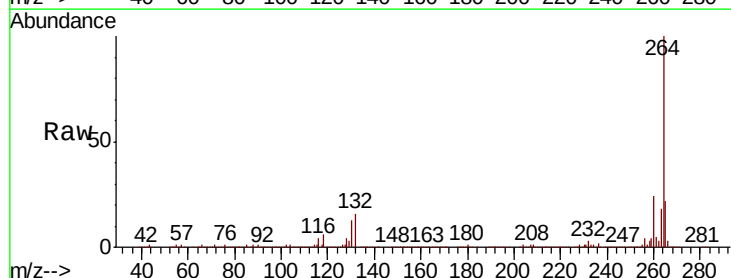
Instrument :
BNA_F
ClientSampleId :
CHRT-18

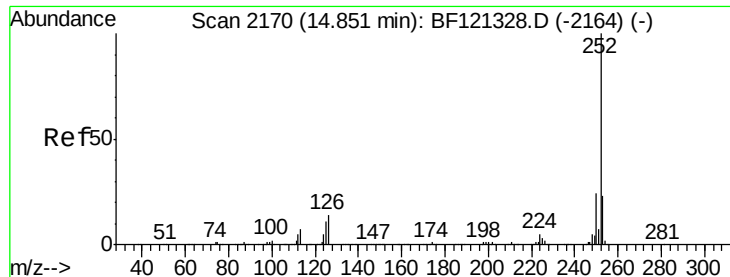
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	36.8
229	21.5	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.8	17.1	25.7

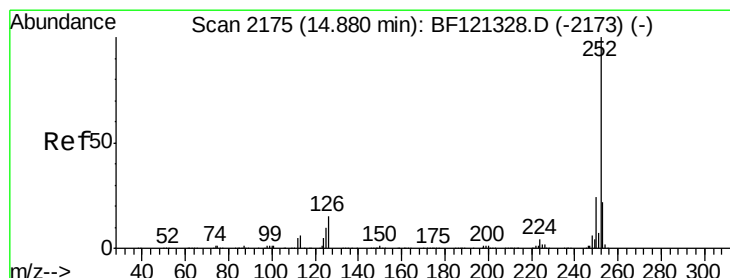
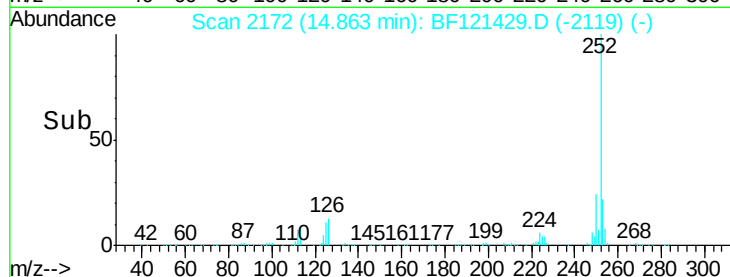
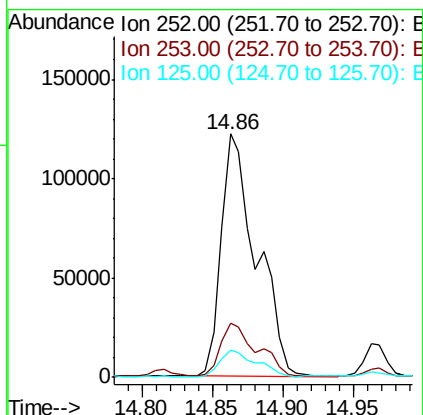
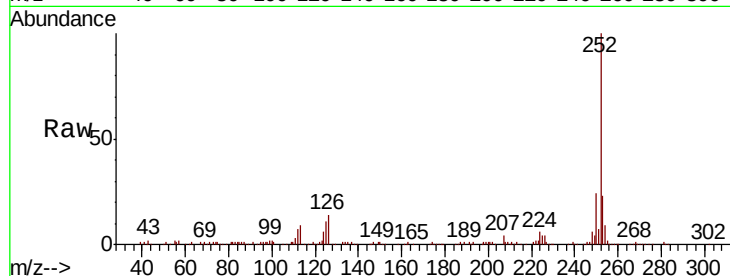




#88
Benzo(b)fluoranthene
Concen: 6.300 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

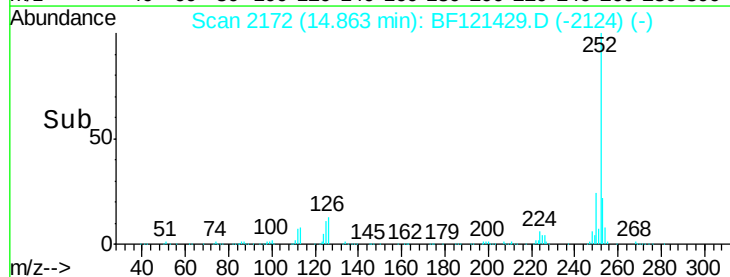
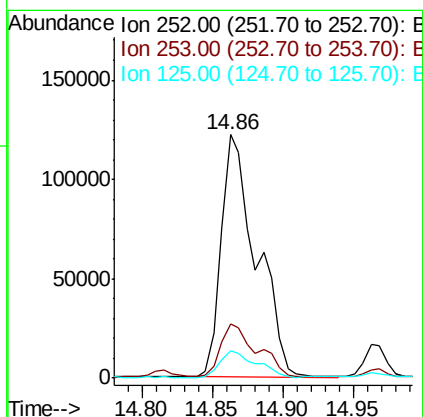
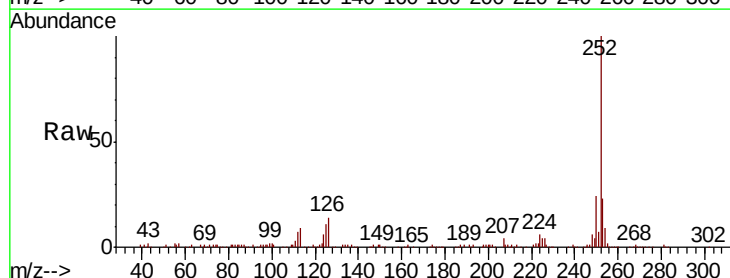
Instrument :
BNA_F
ClientSampleId :
CHRT-18

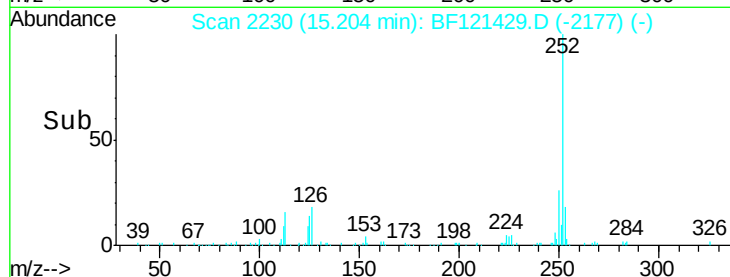
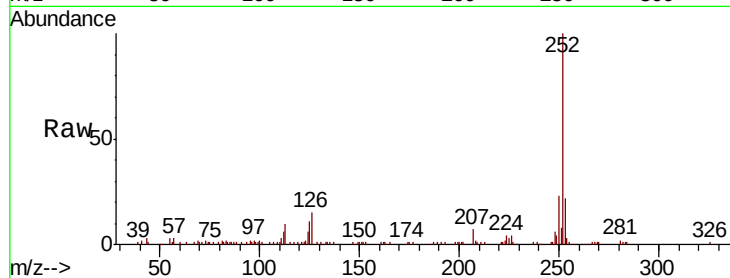
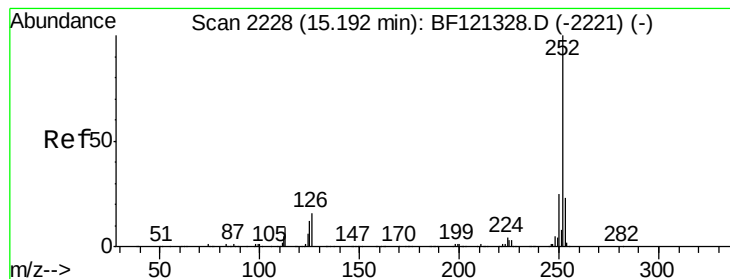
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.0	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 7.157 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121429.D
Acq: 25 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	11.0	8.6	12.8





#90

Benzo(a)pyrene

Concen: 2.914 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.01 min

Lab File: BF121429.D

Acq: 25 Aug 2020 15:59

Instrument :

BNA_F

ClientSampleId :

CHRT-18

Tot Ion: 252 Resp: 85380

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 11.2 9.4 14.0

