

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120842.D
 Acq On : 10 Jul 2020 20:35
 Operator : JU/CG
 Sample : L3255-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-17

Quant Time: Jul 11 01:52:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	188324	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	690483	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	340758	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	616387	20.00	ng	0.00
76) Chrysene-d12	14.00	240	394643	20.00	ng	0.00
86) Perylene-d12	15.47	264	389401	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1183343	97.00	ng	0.00
7) Phenol-d6	6.47	99	1469815	94.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	931233	78.14	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	347498	101.51	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1571394	69.77	ng	0.00
79) Terphenyl-d14	12.96	244	1544640	76.63	ng	0.00

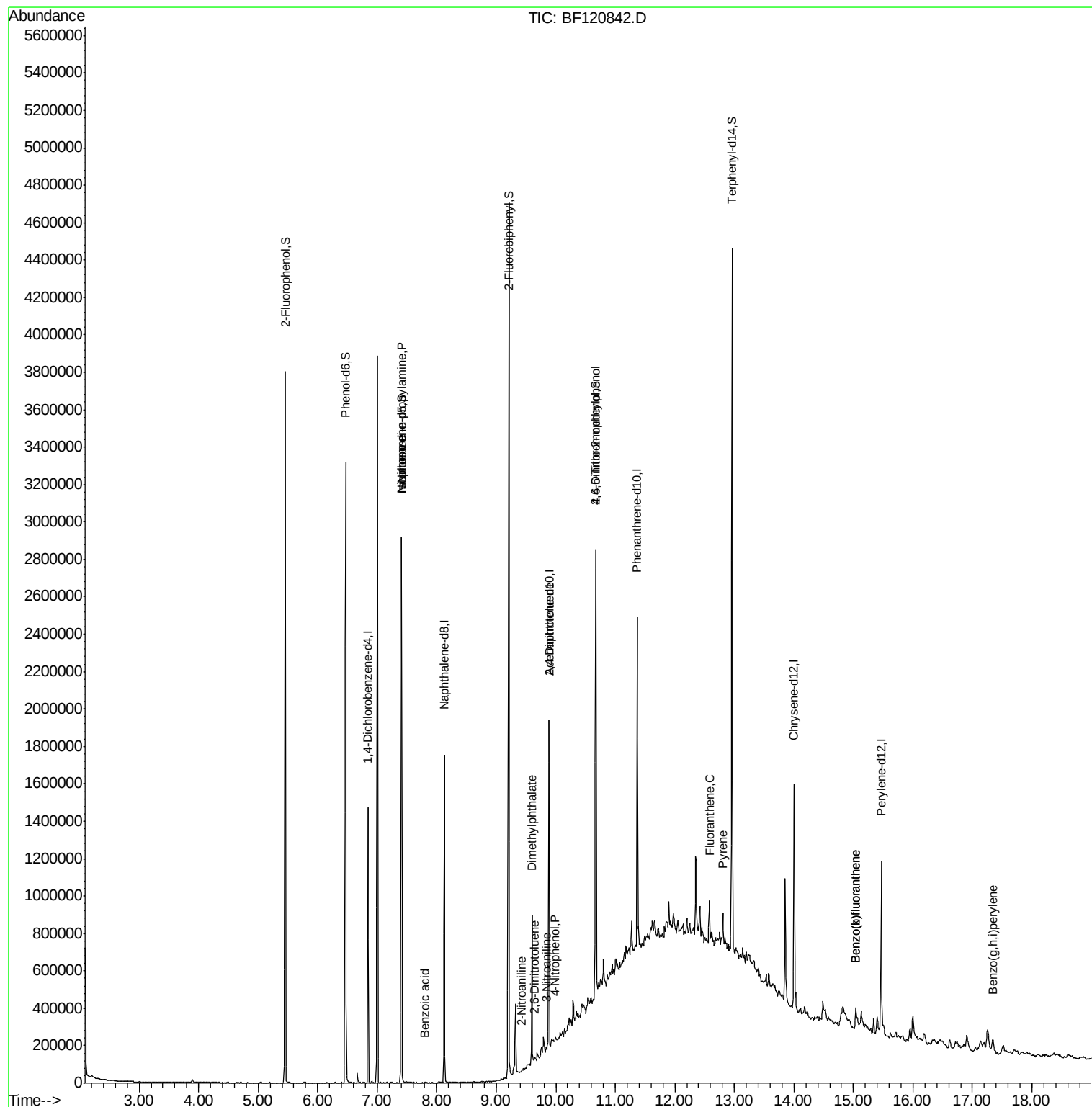
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	125089	13.335	ng	# 77
25) Isophorone	7.41	82	927653	36.093	ng	# 64
32) Benzoic acid	7.80	122	560	4.295	ng	# 70
48) 2-Nitroaniline	9.42	65	250	2.655	ng	# 43
50) Dimethylphthalate	9.60	163	262028	10.541	ng	# 99
51) 2,6-Dinitrotoluene	9.64	165	1901	2.644	ng	# 16
53) 3-Nitroaniline	9.85	138	1089	2.335	ng	# 14
56) 4-Nitrophenol	9.98	139	226	2.139	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	45534	10.000	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	966	7.326	ng	# 1
75) Fluoranthene	12.58	202	72862	2.045	ng	# 98
78) Pylene	12.81	202	69232	2.197	ng	# 98
88) Benzo(b)fluoranthene	15.04	252	82739	3.232	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	82739	3.321	ng	# 94
92) Benzo(a,h,i)perylene	17.34	276	45970	2.416	ng	# 94

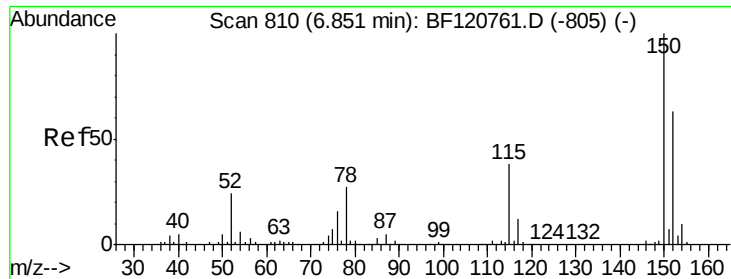
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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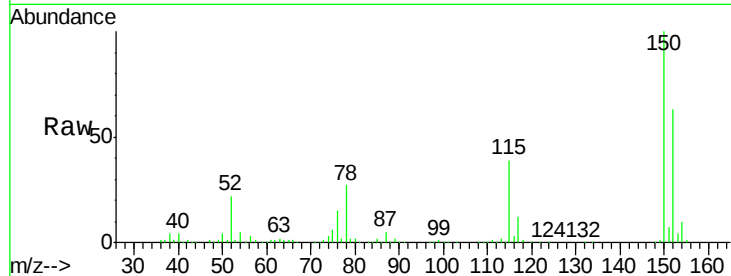


#1

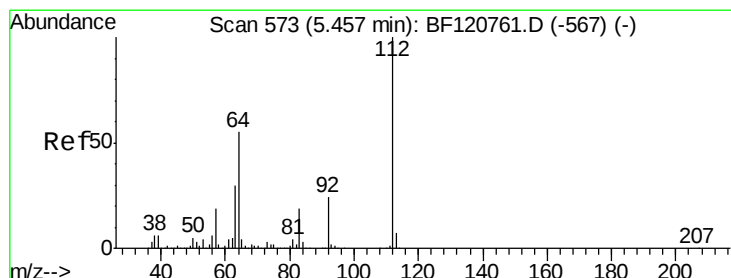
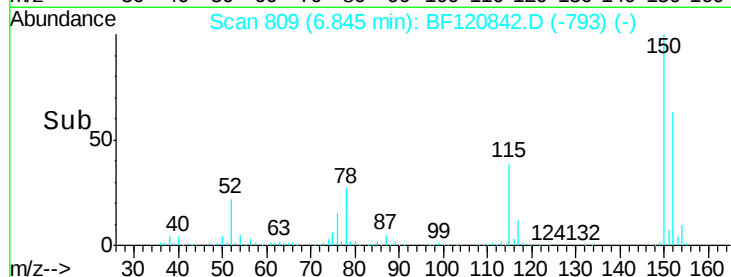
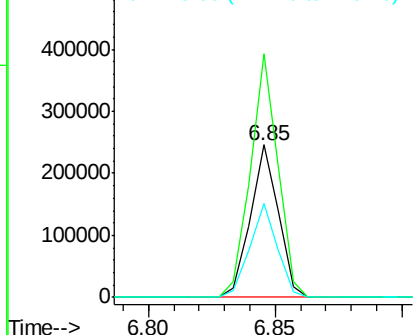
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Instrument :
BNA_F
ClientSampled :
CHRT-17

Tot Ion:152 Resp: 188324
Ion Ratio Lower Upper
152 100
150 159.8 126.1 189.1
115 61.8 48.5 72.7



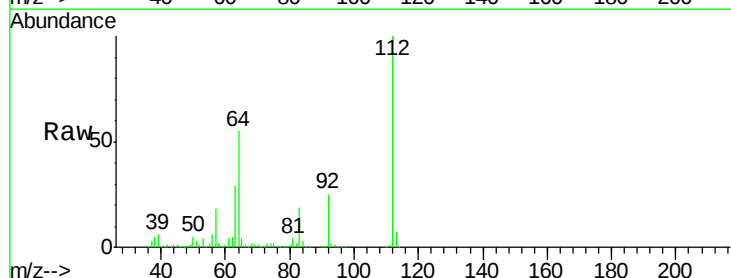
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



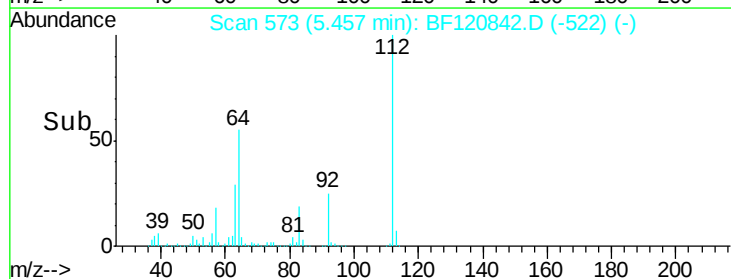
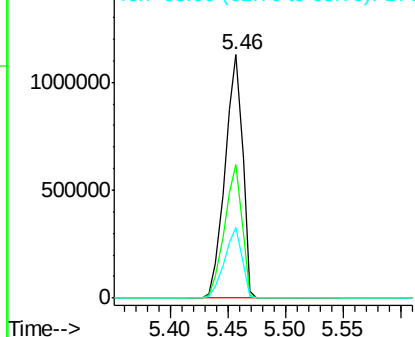
#5

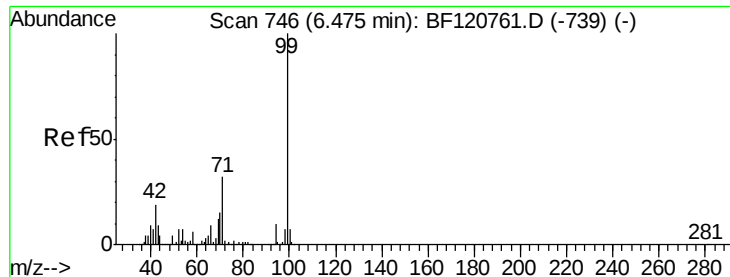
2-Fluorophenol
Concen: 96.996 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Tgt Ion:112 Resp: 1183343
Ion Ratio Lower Upper
112 100
64 54.9 43.8 65.6
63 29.1 23.6 35.4



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: 94.341 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

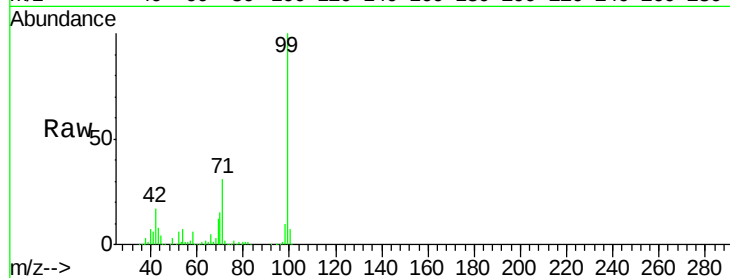
Tot Ion: 99 Resp: 1469815

Ion Ratio Lower Upper

99 100

42 17.4 15.4 23.0

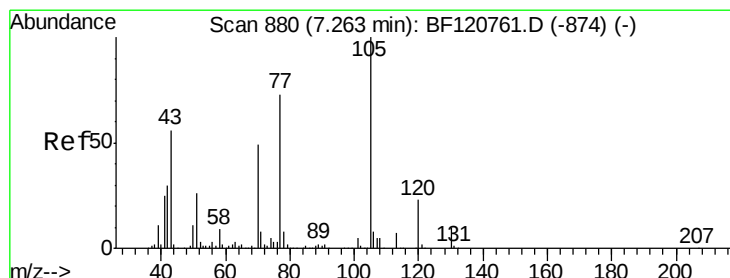
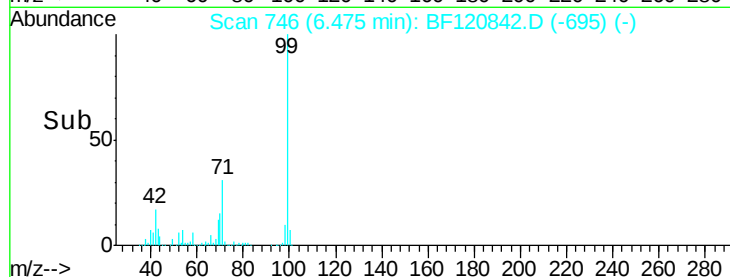
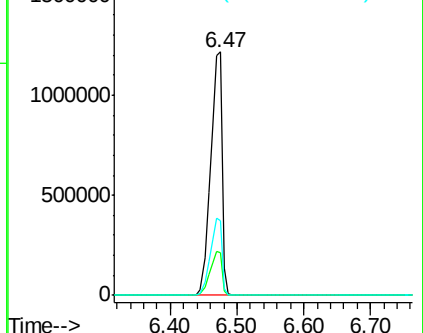
71 30.9 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.335 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Tgt Ion: 70 Resp: 125089

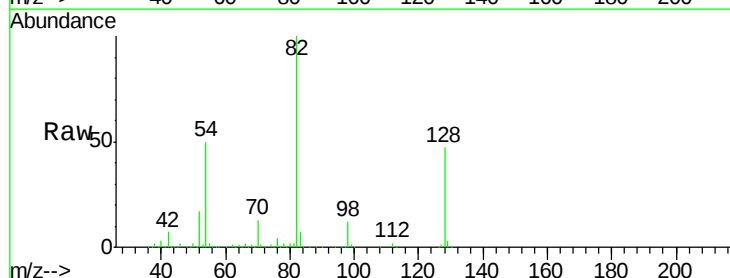
Ion Ratio Lower Upper

70 100

42 48.8 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#

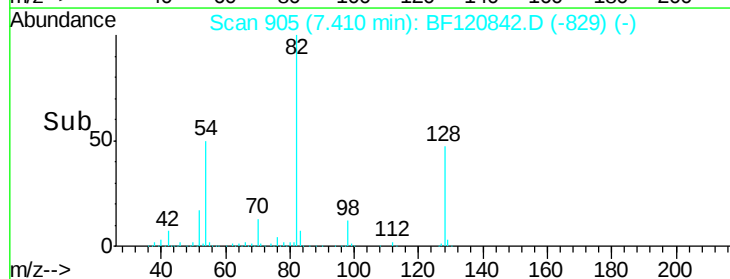
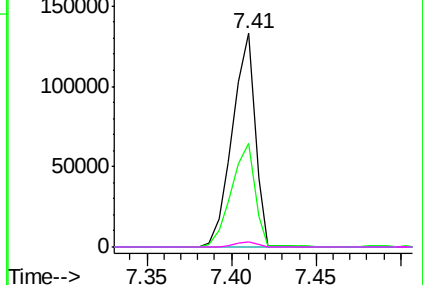


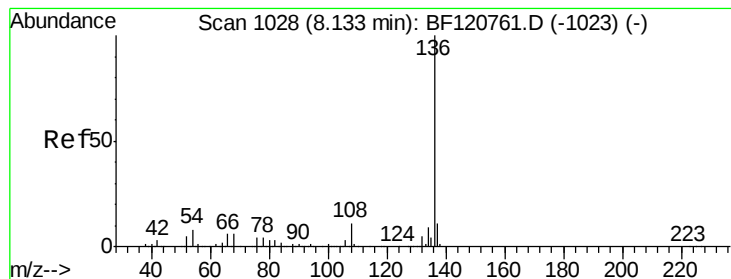
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

Tot Ion:136 Resp: 690483

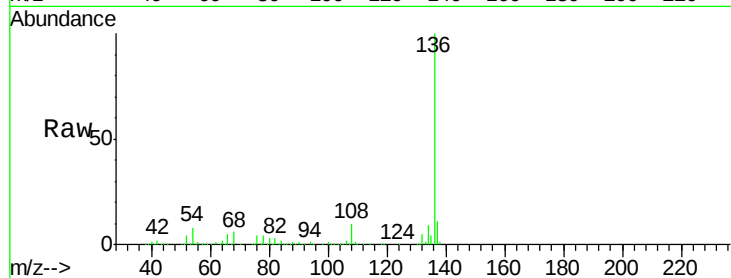
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 7.9 6.2 9.4

68 5.8 4.7 7.1

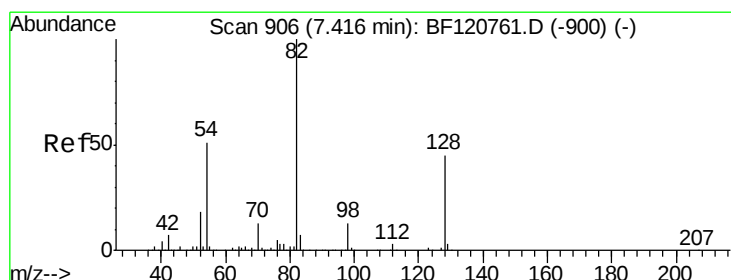
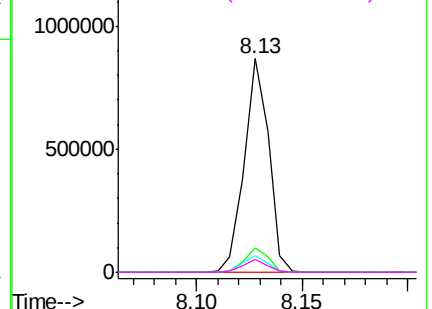
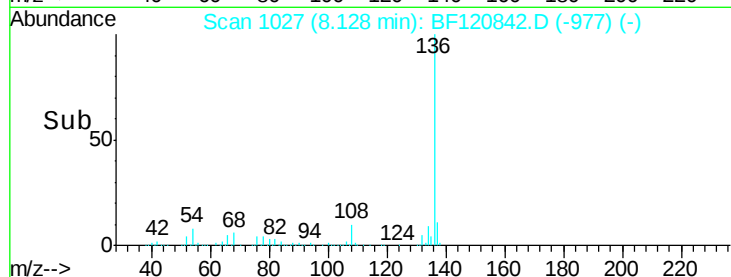


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.139 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

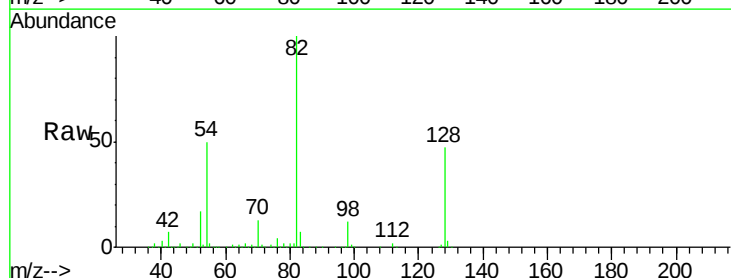
Tgt Ion: 82 Resp: 931233

Ion Ratio Lower Upper

82 100

128 46.8 35.7 53.5

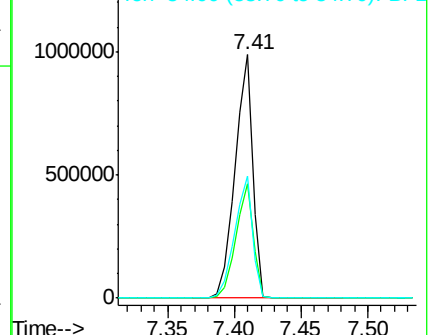
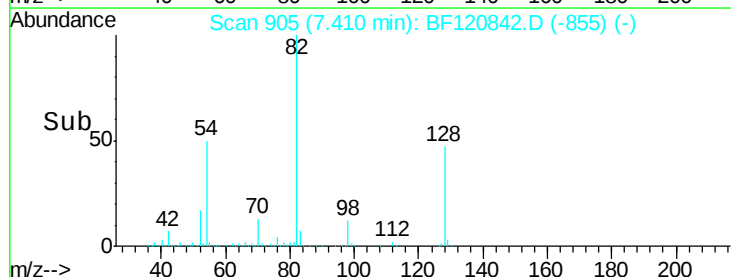
54 49.9 40.9 61.3

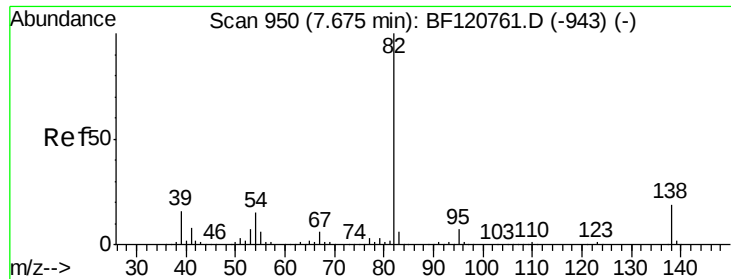


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.093 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

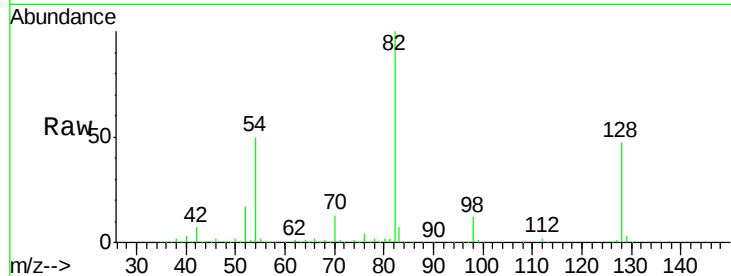
Tot Ion: 82 Resp: 927653

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

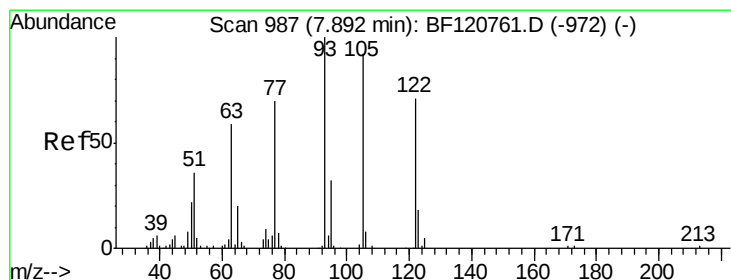
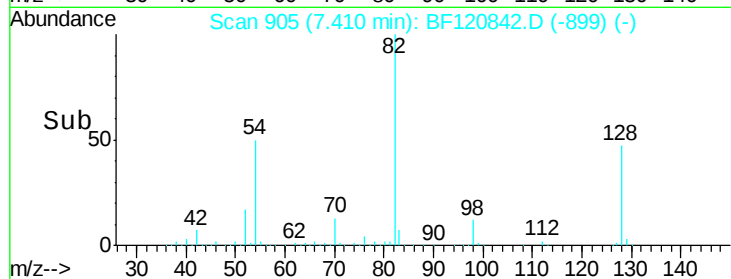
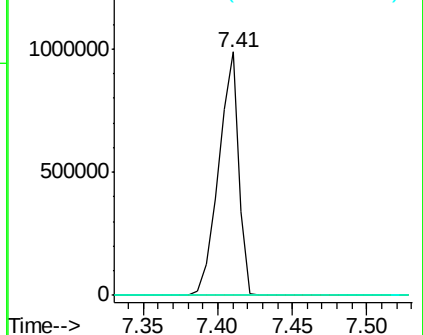
138 0.0 15.0 22.4#



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



#32

Benzoic acid

Concen: 4.295 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.09 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

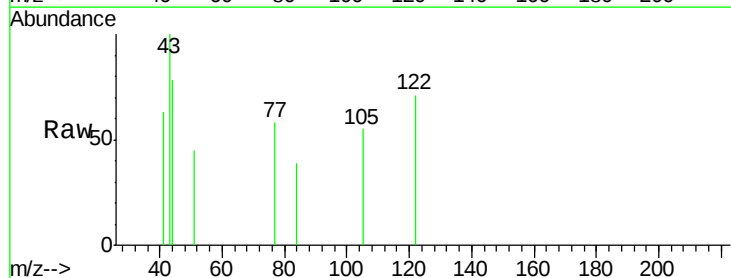
Tgt Ion: 122 Resp: 560

Ion Ratio Lower Upper

122 100

105 77.5 105.8 145.8#

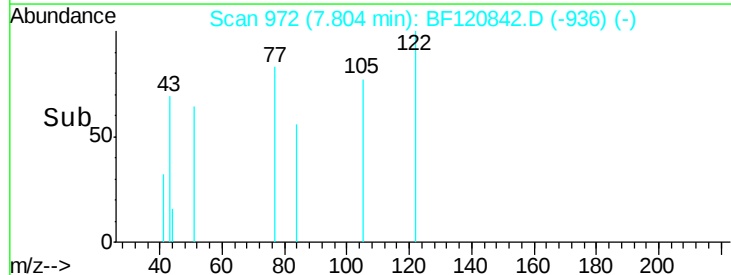
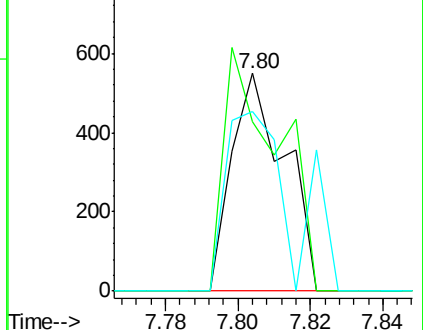
77 82.5 77.3 117.3

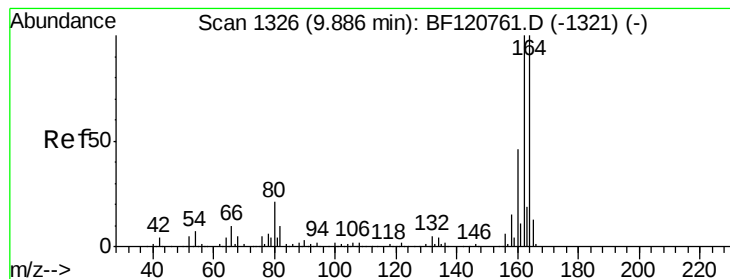


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

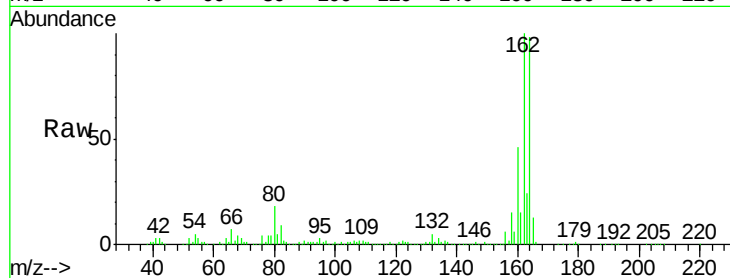
Tot Ion:164 Resp: 340758

Ion Ratio Lower Upper

164 100

162 102.5 80.2 120.2

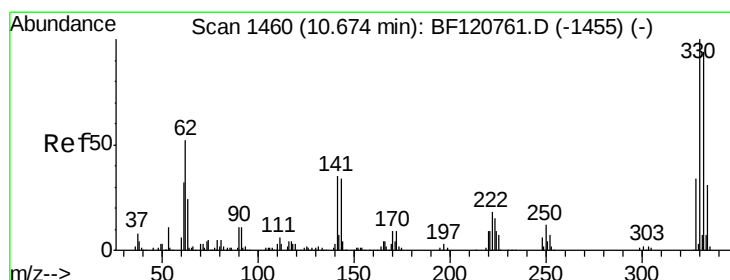
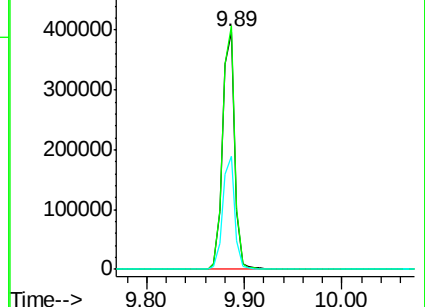
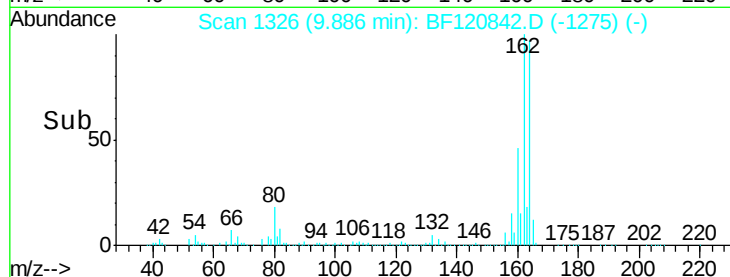
160 47.5 36.9 55.3



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: 101.506 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

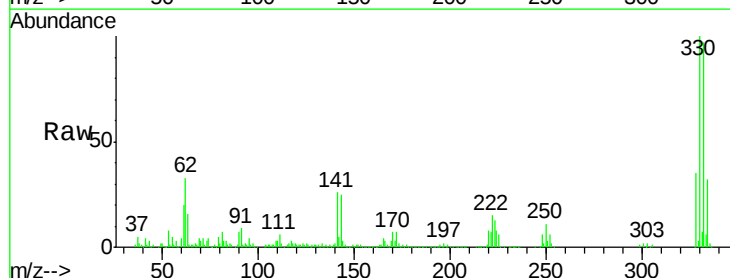
Tgt Ion:330 Resp: 347498

Ion Ratio Lower Upper

330 100

332 96.5 75.8 113.6

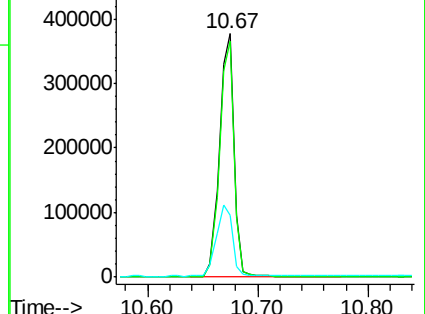
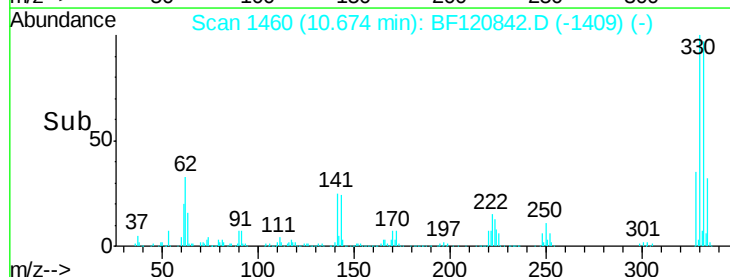
141 32.1 29.7 44.5

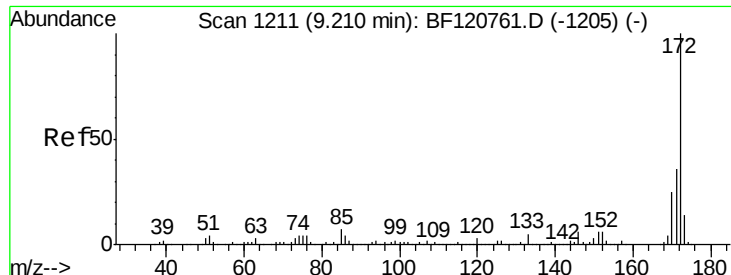


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

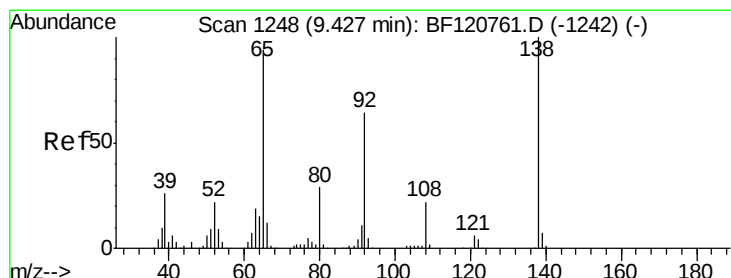
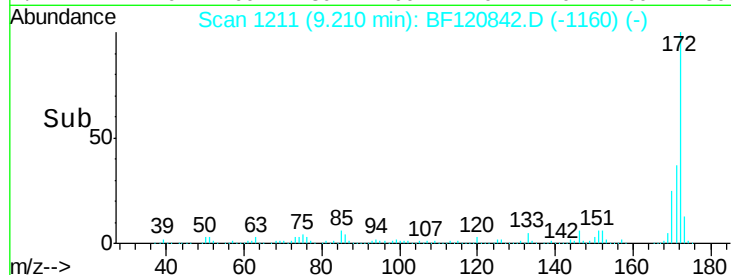
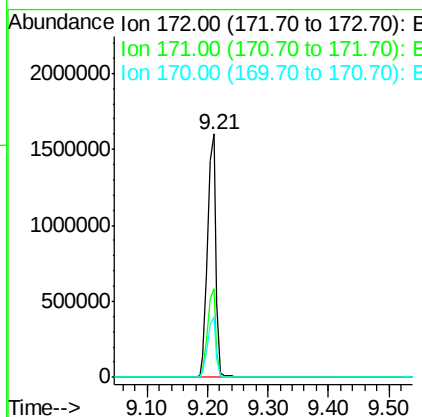
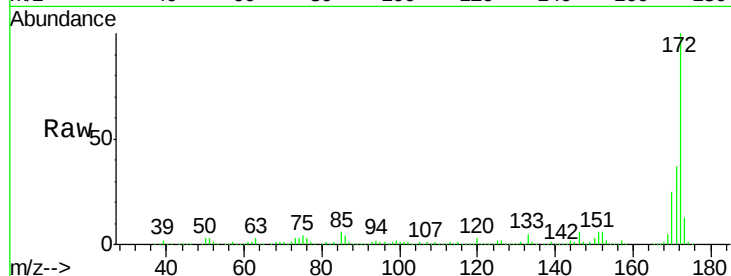




#45
 2-Fluorobiphenyl
 Concen: 69.769 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120842.D
 Acq: 10 Jul 2020 20:35

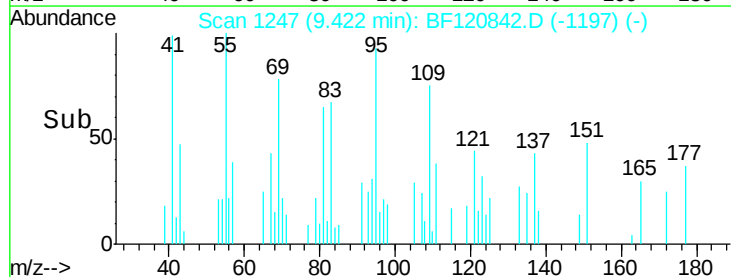
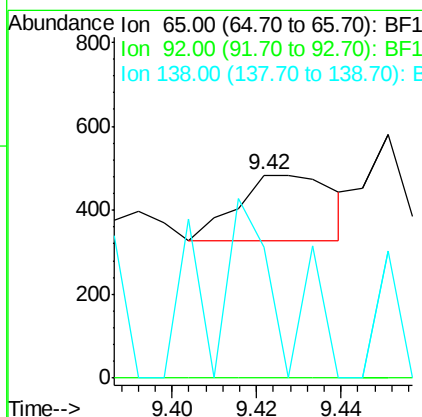
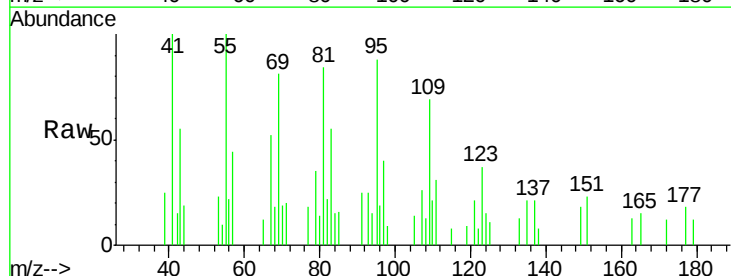
Instrument :
 BNA_F
 ClientSampled :
 CHRT-17

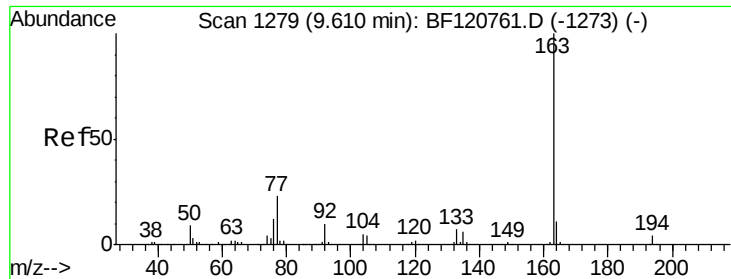
Tot Ion:172 Resp: 1571394
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.1 43.7
 170 24.8 19.8 29.6



#48
 2-Nitroaniline
 Concen: 2.655 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF120842.D
 Acq: 10 Jul 2020 20:35

Tgt Ion: 65 Resp: 250
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.4 81.6#
 138 64.3 84.7 127.1#

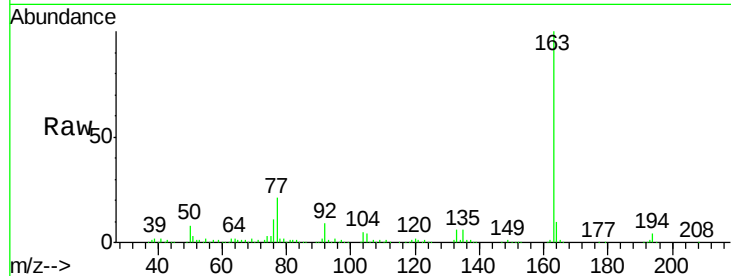




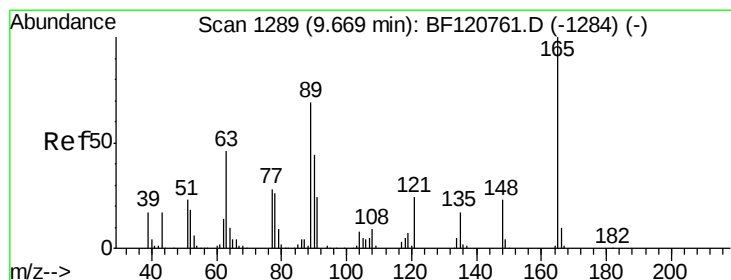
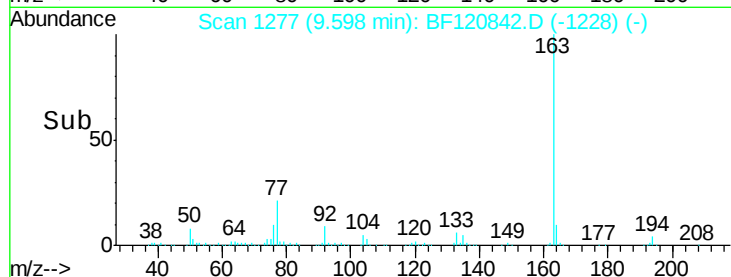
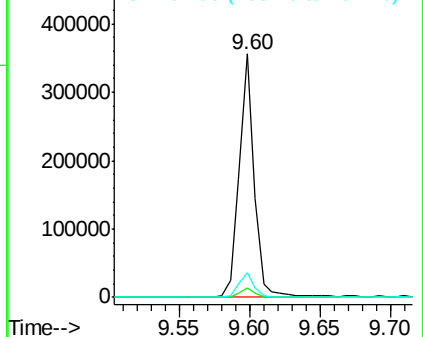
#50
Dimethylphthalate
Concen: 10.541 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Instrument :
BNA_F
ClientSampleId :
CHRT-17

Tot Ion:163 Resp: 262028
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 9.9 8.5 12.7

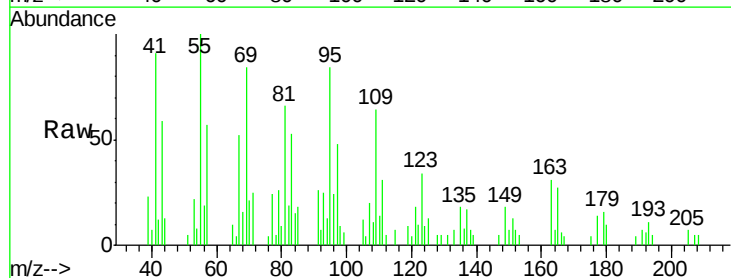


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

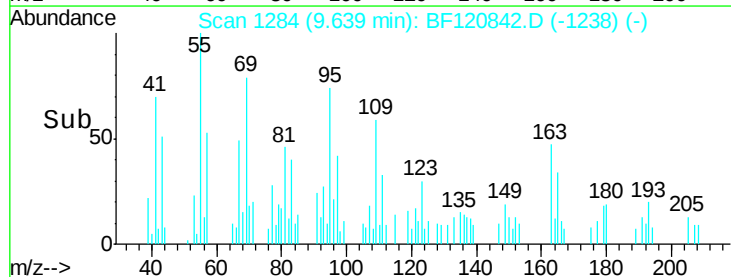
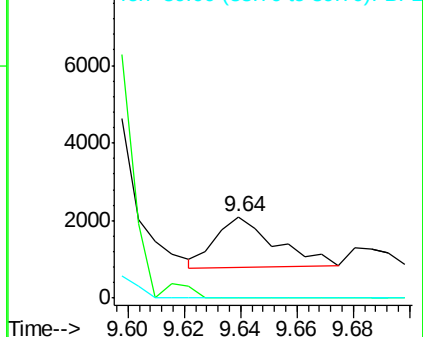


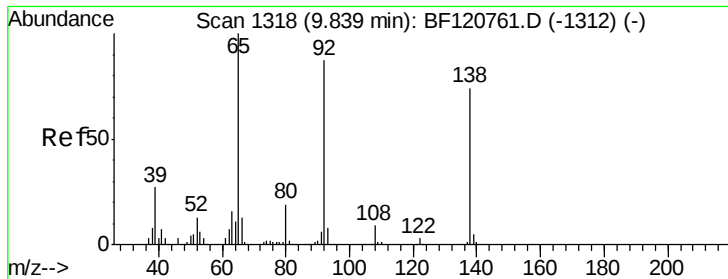
#51
2,6-Dinitrotoluene
Concen: 2.644 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Tgt Ion:165 Resp: 1901
Ion Ratio Lower Upper
165 100
63 0.0 54.0 81.0#
89 0.0 55.4 83.2#



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





#53

3-Nitroaniline

Concen: 2.335 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

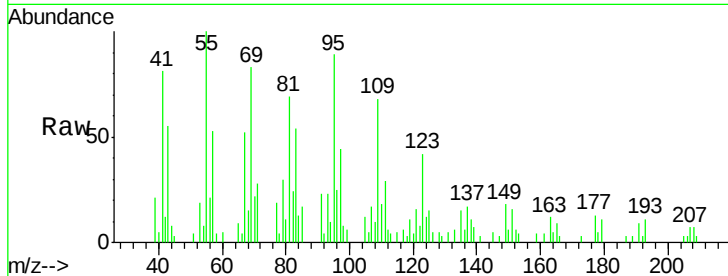
Tot Ion:138 Resp: 1089

Ion Ratio Lower Upper

138 100

108 88.3 9.8 14.6#

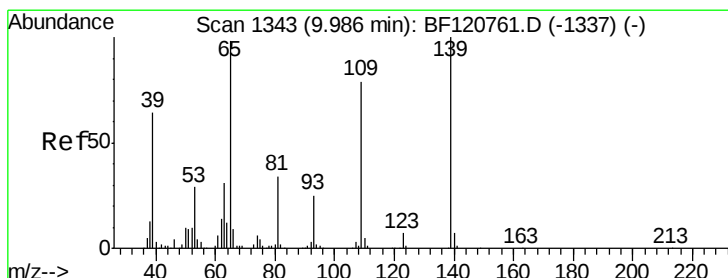
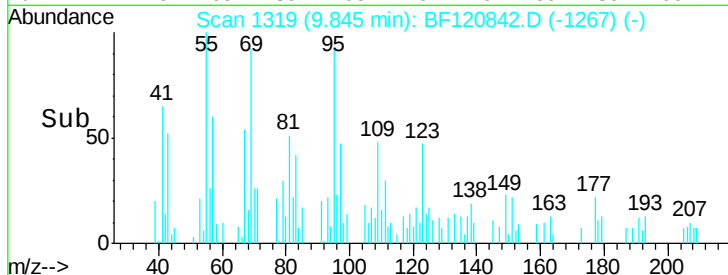
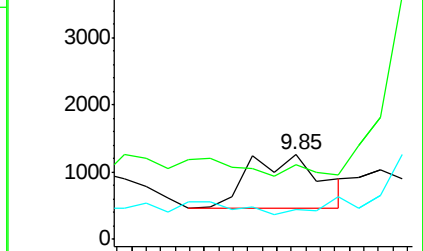
92 35.8 93.4 140.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#56

4-Nitrophenol

Concen: 2.139 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

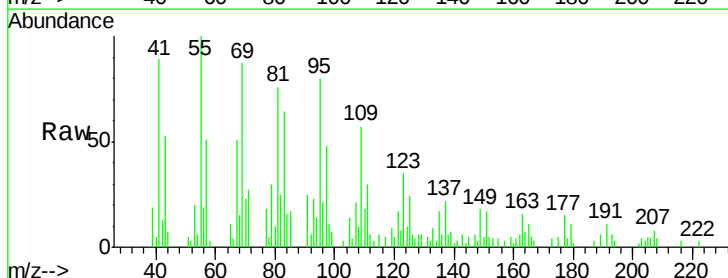
Tgt Ion:139 Resp: 226

Ion Ratio Lower Upper

139 100

109 820.6 58.6 98.6#

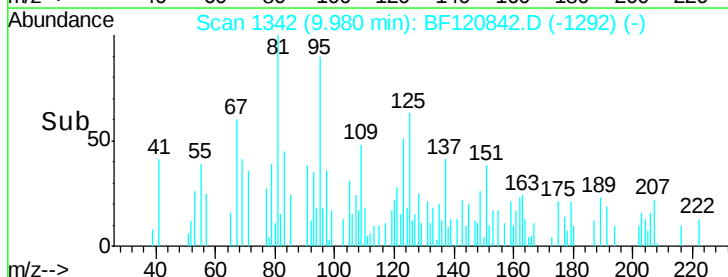
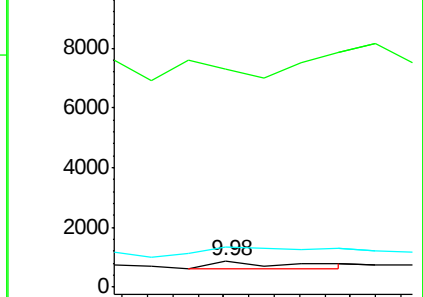
65 152.1 78.7 118.7#

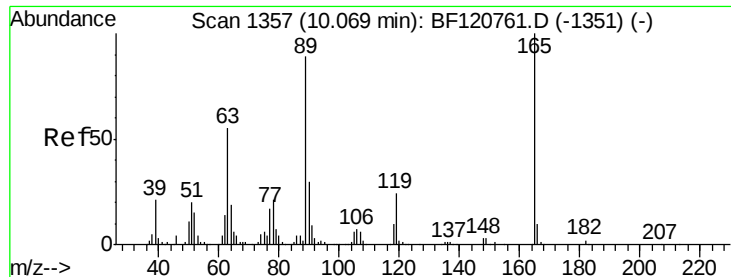


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

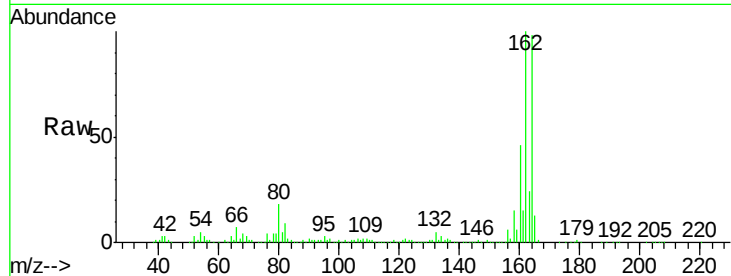




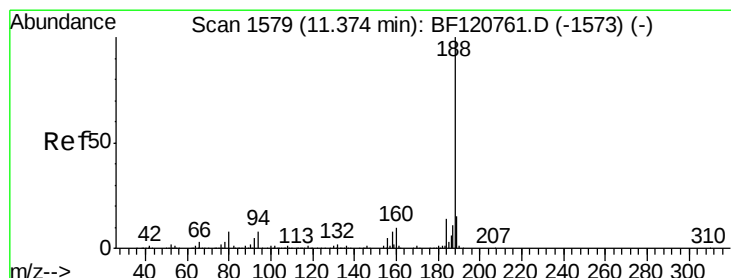
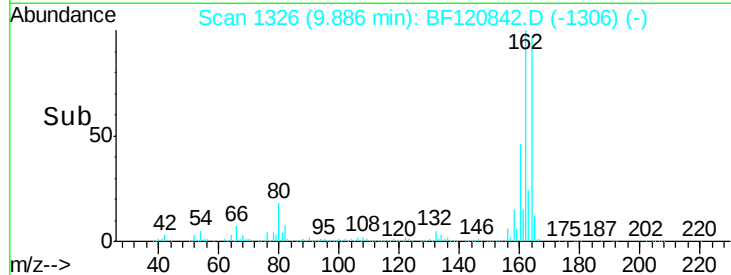
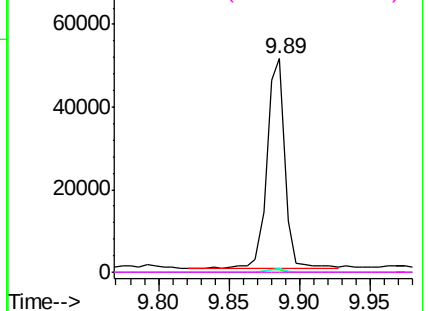
#57
 2,4-Dinitrotoluene
 Concen: 10.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.18 min
 Lab File: BF120842.D
 Acq: 10 Jul 2020 20:35

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-17

Tot Ion:	165	Resp:	45534
Ion	Ratio	Lower	Upper
165	100		
63	1.0	43.8	65.8#
89	1.6	71.4	107.2#
182	0.0	1.8	2.6#

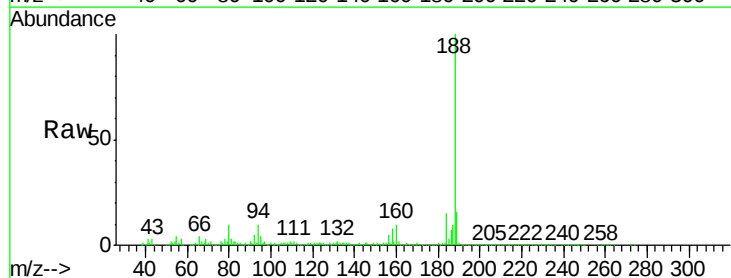


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

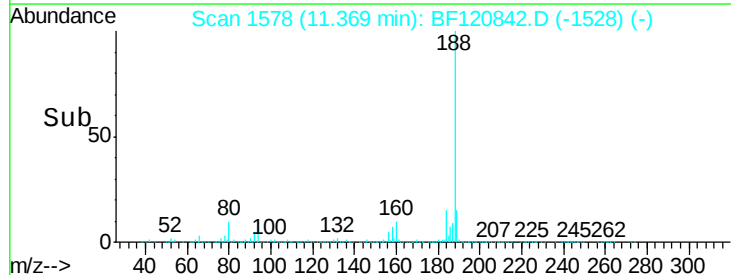
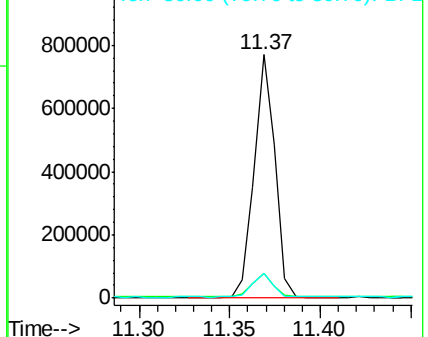


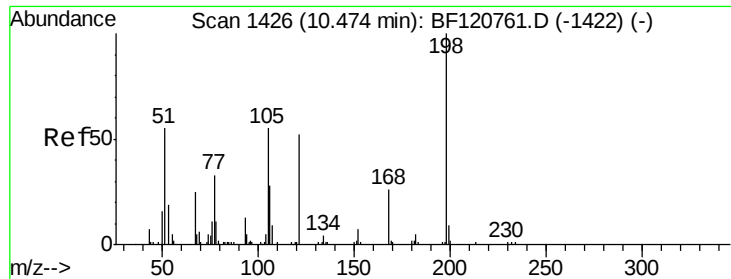
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120842.D
 Acq: 10 Jul 2020 20:35

Tgt Ion:	188	Resp:	616387
Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.6	9.8#
80	10.4	6.6	10.0#



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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.326 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

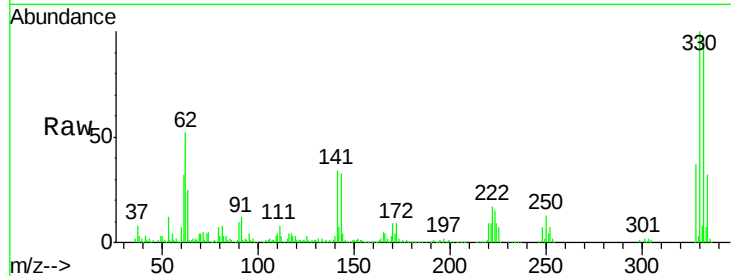
Tot Ion:198 Resp: 966

Ion Ratio Lower Upper

198 100

51 146.9 50.0 90.0#

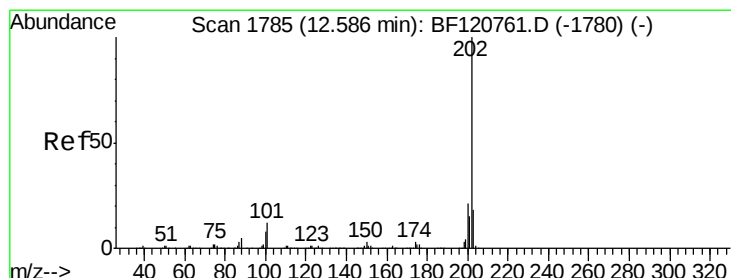
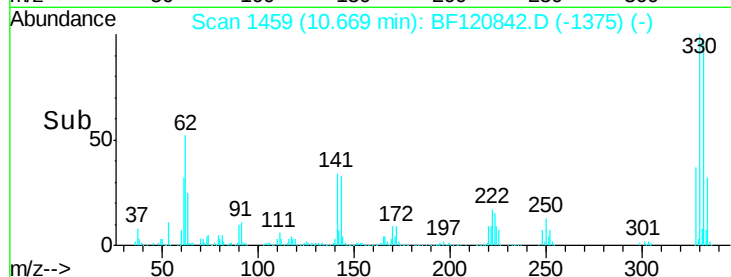
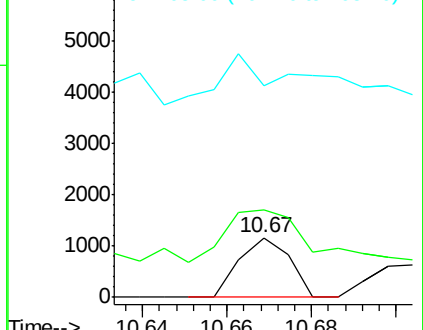
105 353.2 38.3 78.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#75

Fluoranthene

Concen: 2.045 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

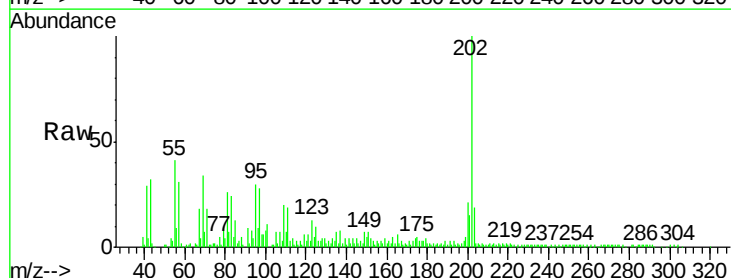
Tgt Ion:202 Resp: 72862

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.6

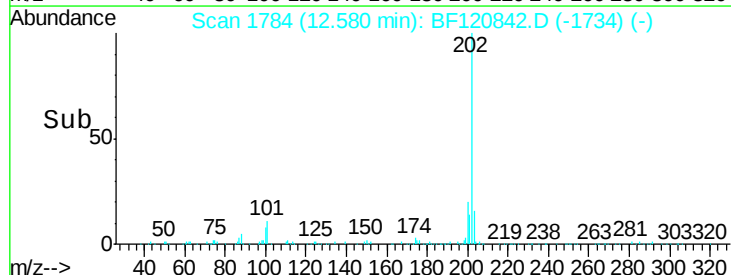
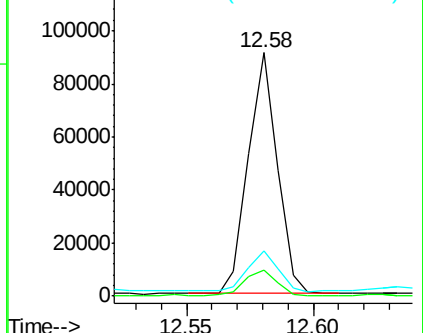
203 18.8 0.0 38.2

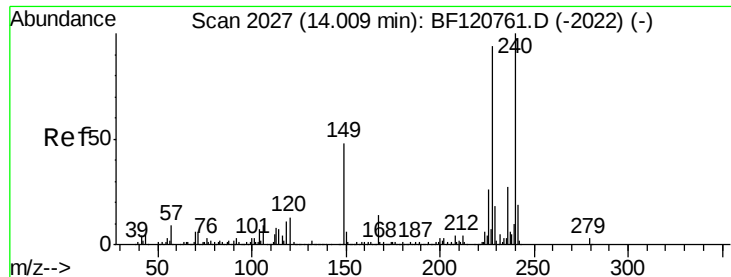


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

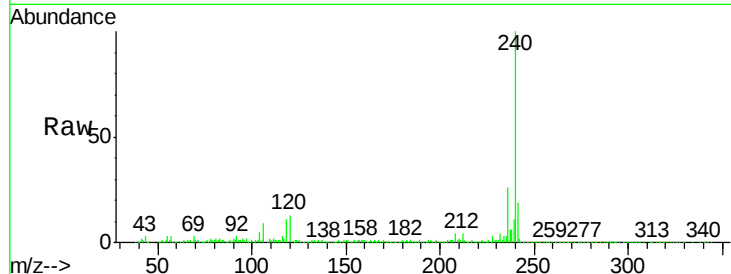




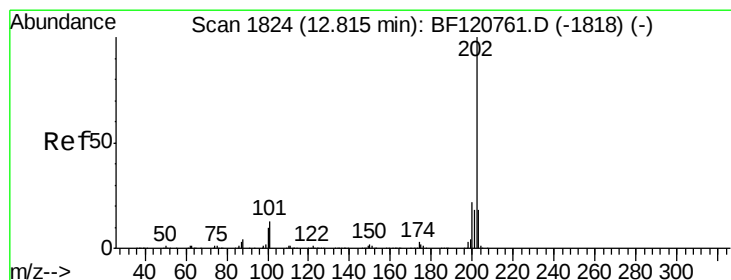
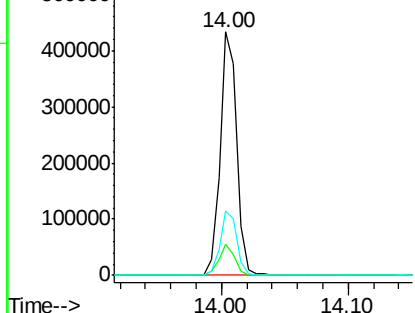
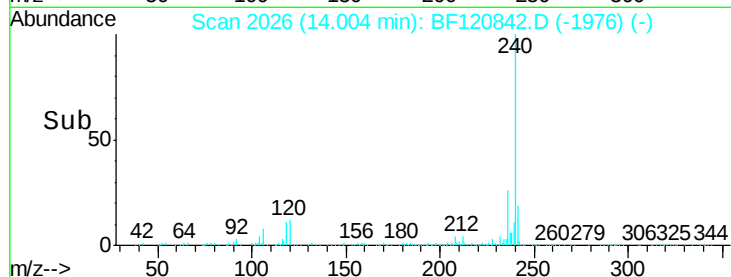
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Instrument :
BNA_F
ClientSampled :
CHRT-17

Tot Ion:240 Resp: 394643
Ion Ratio Lower Upper
240 100
120 12.8 10.3 15.5
236 26.3 21.4 32.2

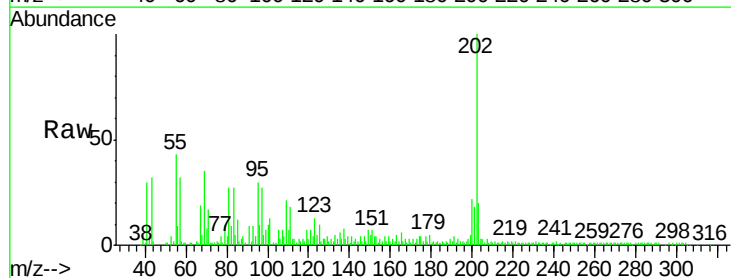


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

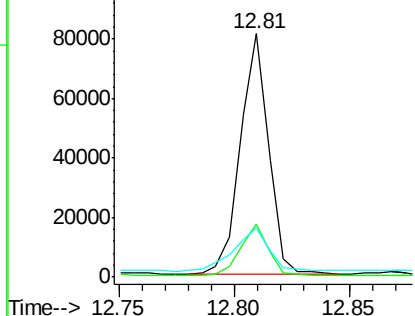
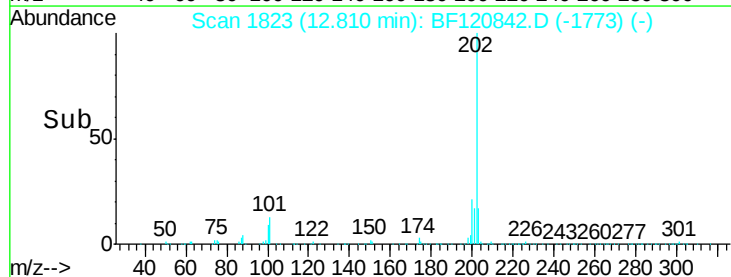


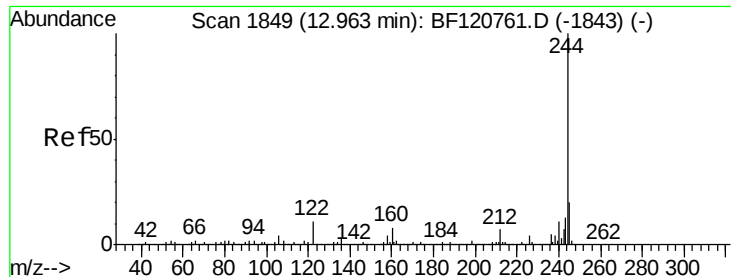
#78
Pyrene
Concen: 2.197 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Tgt Ion:202 Resp: 69232
Ion Ratio Lower Upper
202 100
200 21.7 17.3 25.9
203 20.2 14.6 22.0



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: 76.632 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

Instrument :

BNA_F

ClientSampleId :

CHRT-17

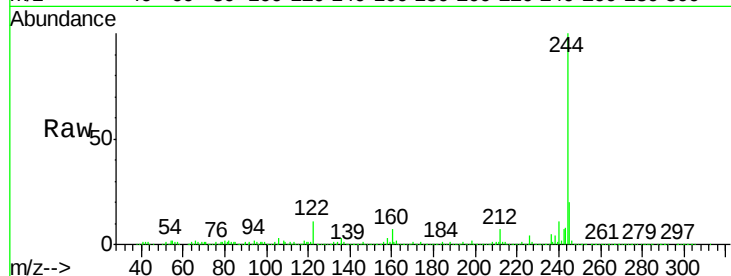
Tot Ion:244 Resp: 1544640

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.7 9.0 13.4

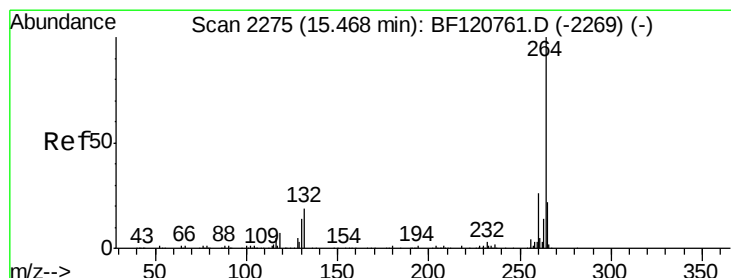
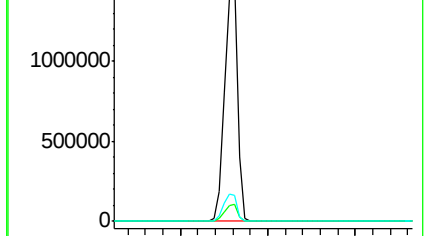
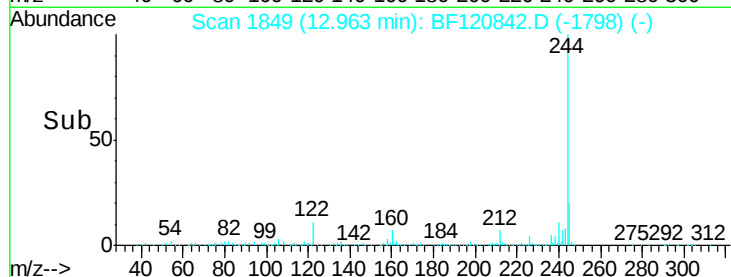


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF120842.D

Acq: 10 Jul 2020 20:35

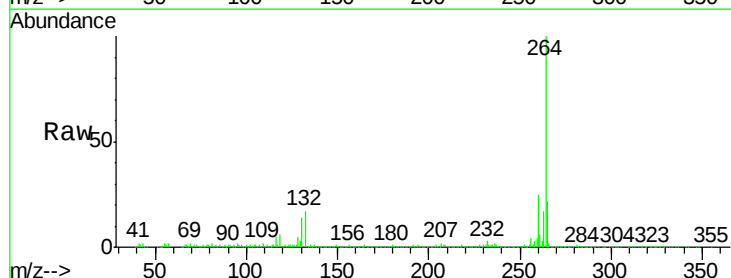
Tgt Ion:264 Resp: 389401

Ion Ratio Lower Upper

264 100

260 25.4 20.6 30.8

265 22.0 17.6 26.4

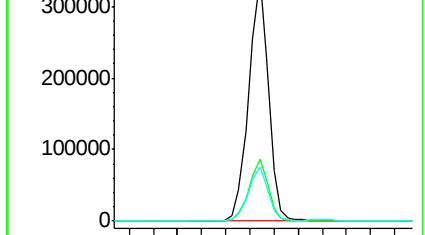
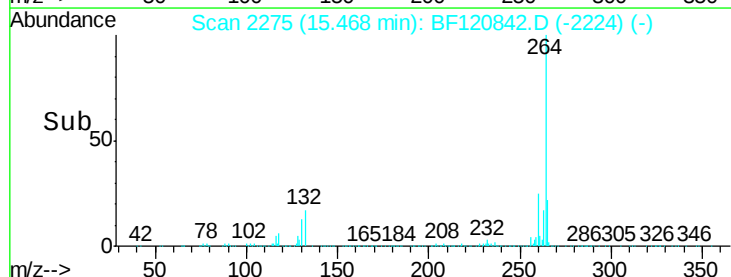


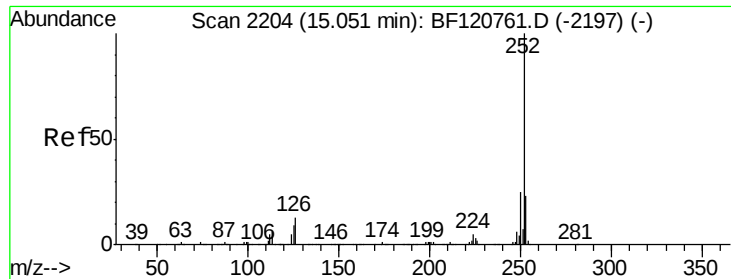
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->

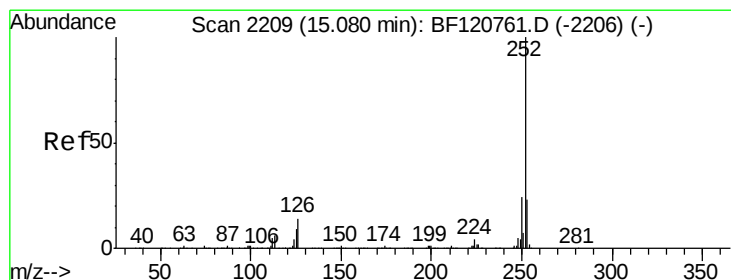
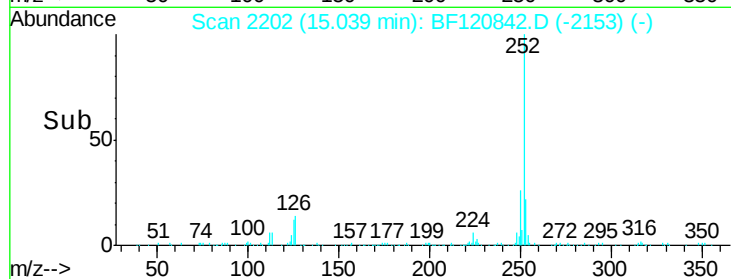
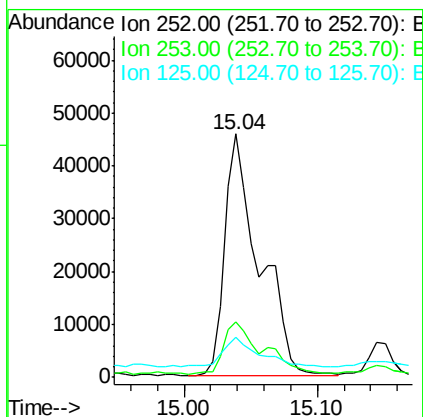
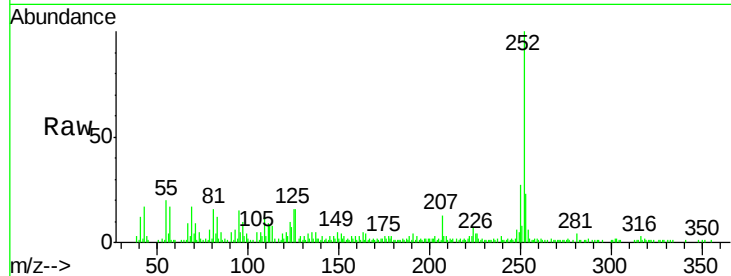




#88
Benzo(b)fluoranthene
Concen: 3.232 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

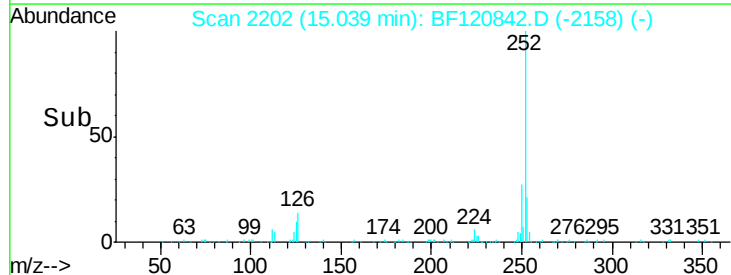
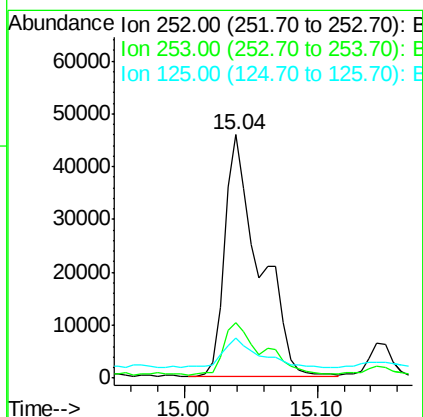
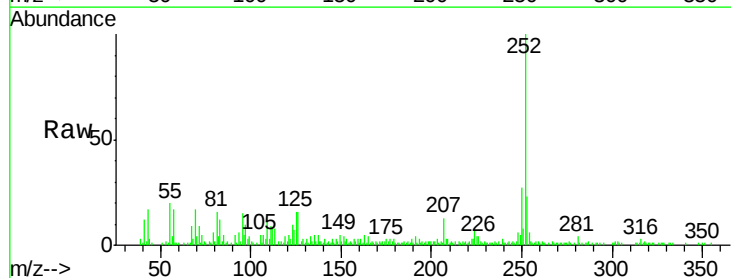
Instrument :
BNA_F
ClientSampleId :
CHRT-17

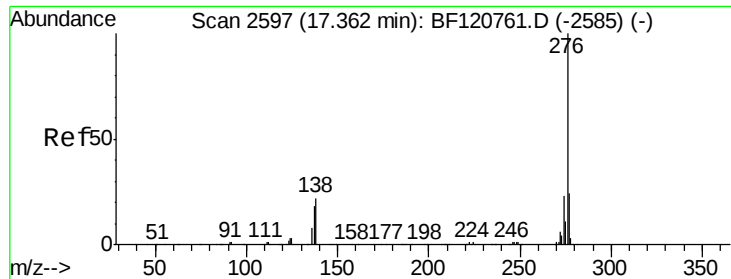
Tot Ion:252 Resp: 82739
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 16.4 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 3.321 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF120842.D
Acq: 10 Jul 2020 20:35

Tgt Ion:252 Resp: 82739
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 16.4 7.6 11.4#





#92
 Benzo(a,h,i)perylene
 Concen: 2.416 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.02 min
 Lab File: BF120842.D
 Acq: 10 Jul 2020 20:35

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-17

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	25.2	17.4	26.2

