

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
 Data File : BF120562.D
 Acq On : 5 Jun 2020 16:26
 Operator : JU/CG
 Sample : L2890-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24245

Quant Time: Jun 05 17:23:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	194477	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	697004	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	325550	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	530684	20.00	ng	0.00
76) Chrysene-d12	13.98	240	371512	20.00	ng	0.00
86) Perylene-d12	15.43	264	340339	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	979451	95.98	ng	0.00
7) Phenol-d6	6.46	99	1031824	82.03	ng	0.00
23) Nitrobenzene-d5	7.38	82	671851	63.05	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	259100	85.90	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1240786	64.67	ng	0.00
79) Terphenyl-d14	12.93	244	1071127	64.16	ng	0.00

Target Compounds

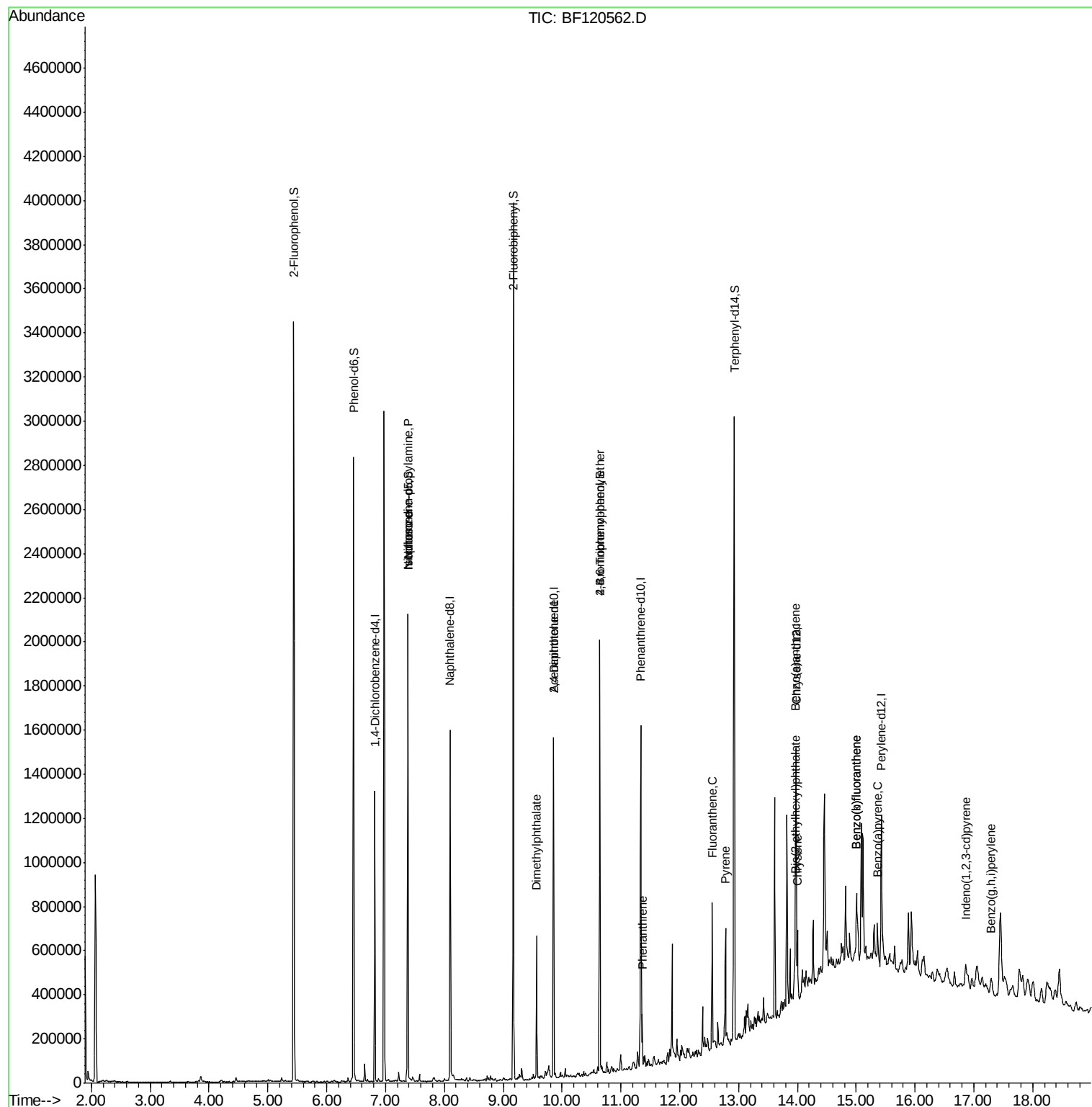
						Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	90095	11.268	ng	# 76
25) Isophorone	7.38	82	671845	31.371	ng	# 64
50) Dimethylphthalate	9.57	163	236120	11.602	ng	99
57) 2,4-Dinitrotoluene	9.85	165	42699	7.376	ng	# 24
67) 4-Bromophenyl-phenylether	10.65	248	15197	2.837	ng	# 1
71) Phenanthrene	11.36	178	71272	3.048	ng	99
75) Fluoranthene	12.55	202	242665	9.644	ng	97
78) Pyrene	12.78	202	205804	7.966	ng	99
81) Benzo(a)anthracene	13.97	228	110689	5.559	ng	99
83) Chrysene	14.00	228	124054	5.943	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	31501	2.488	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.86	276	63492	3.411	ng	99
88) Benzo(b)fluoranthene	15.01	252	209963	11.107	ng	# 94
89) Benzo(k)fluoranthene	15.01	252	209963	11.898	ng	# 95
90) Benzo(a)pyrene	15.36	252	97343	5.887	ng	# 93
92) Benzo(g,h,i)perylene	17.29	276	61124	4.084	ng	94

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

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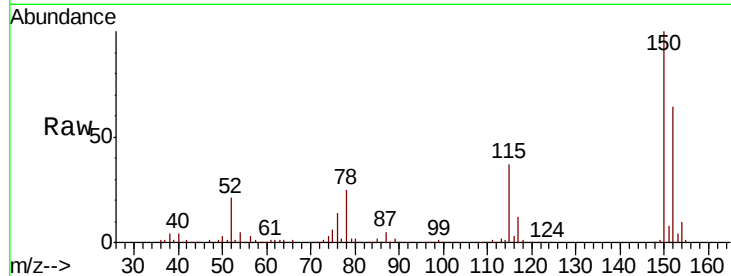


#1

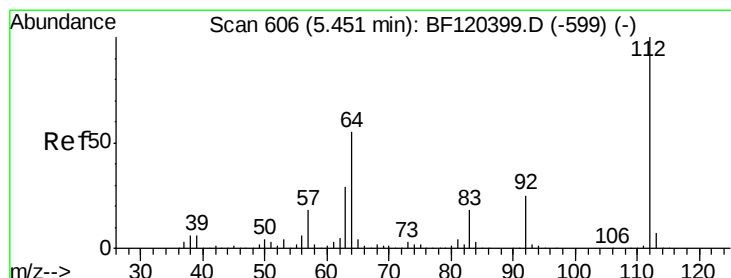
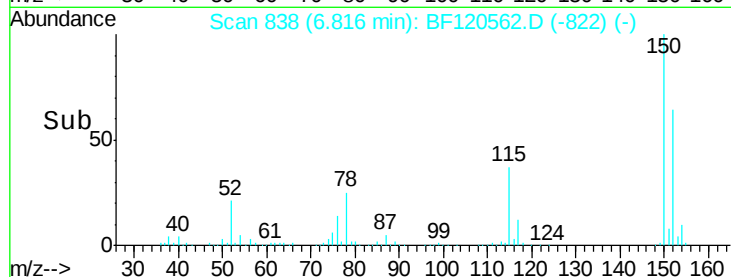
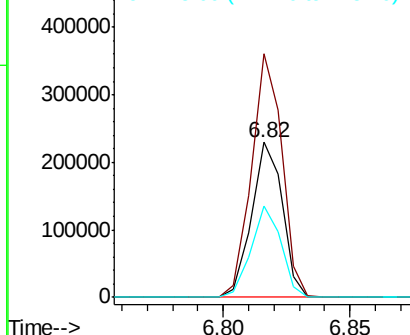
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Instrument :
BNA_F
ClientSampleId :
CHRT-24245

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.2	186.4
115	58.8	43.8	65.6



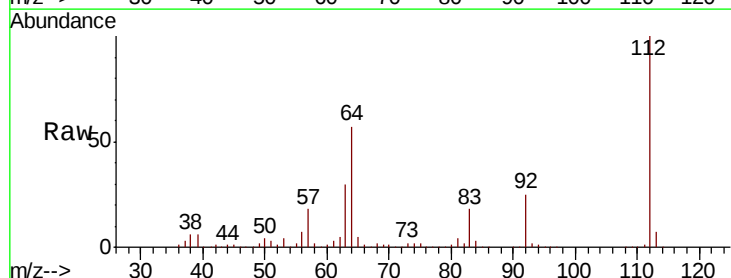
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



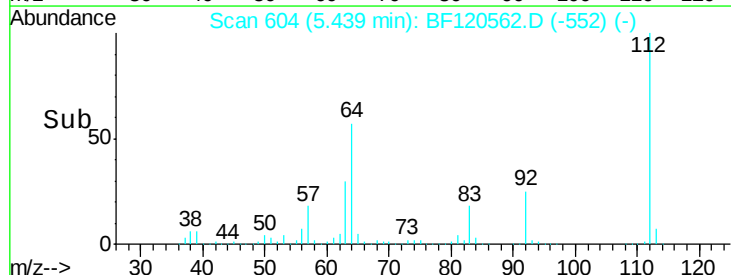
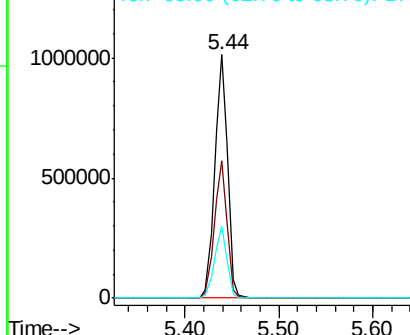
#5

2-Fluorophenol
Concen: 95.980 ng
RT: 5.44 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.5	69.7
63	29.6	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: 82.033 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

Instrument :

BNA_F

ClientSampleId :

CHRT-24245

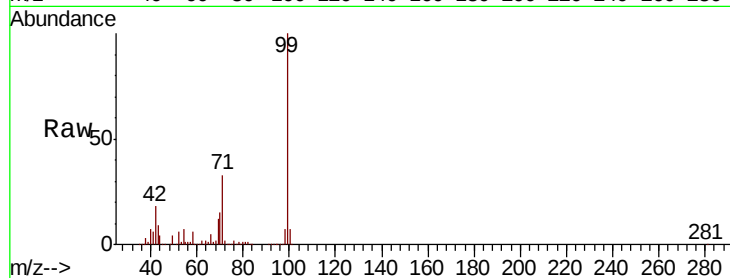
Tot Ion: 99 Resp: 1031824

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

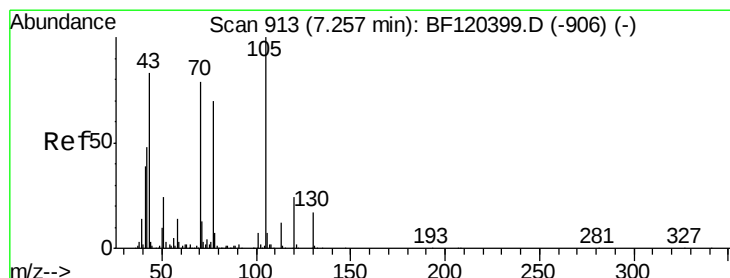
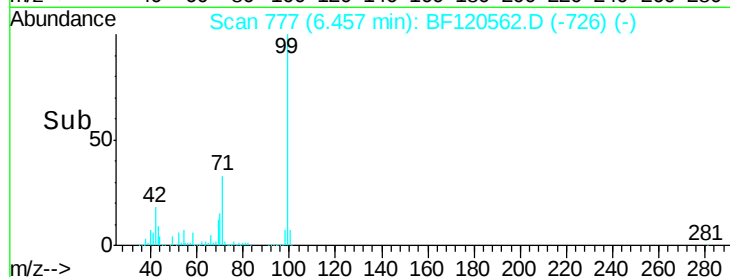
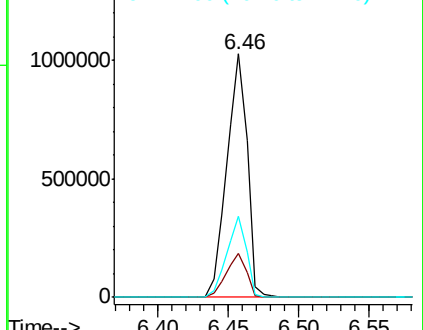
71 33.1 25.8 38.6



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: 11.268 ng

RT: 7.38 min Scan# 934

Delta R.T. 0.15 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

Tgt Ion: 70 Resp: 90095

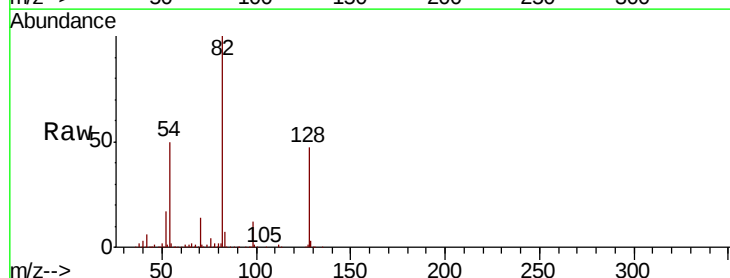
Ion Ratio Lower Upper

70 100

42 47.6 49.1 73.7#

101 0.0 7.7 11.5#

130 2.3 17.4 26.2#

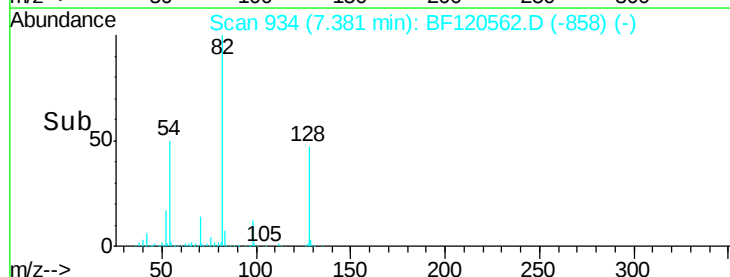
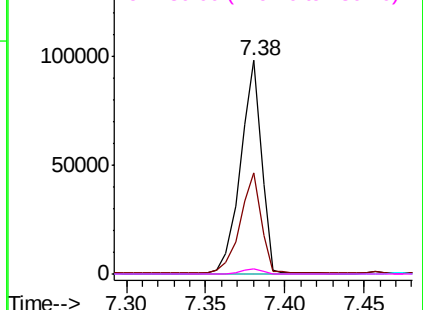


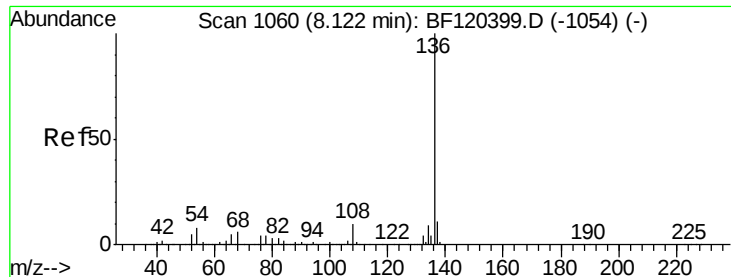
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

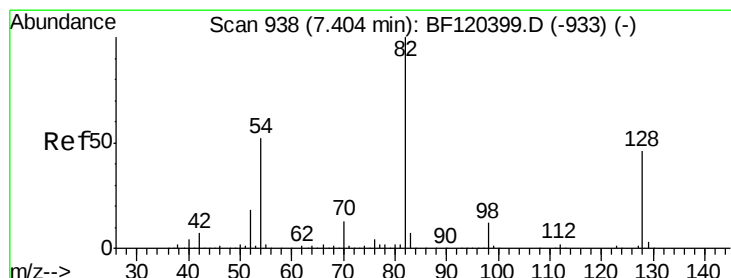
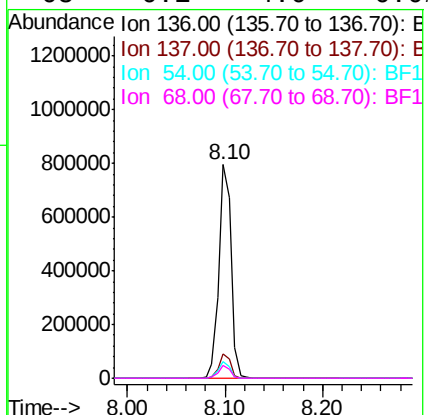
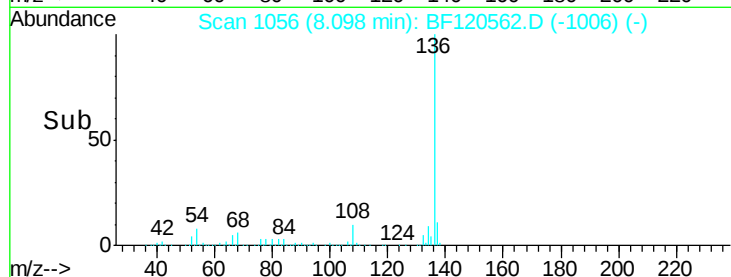
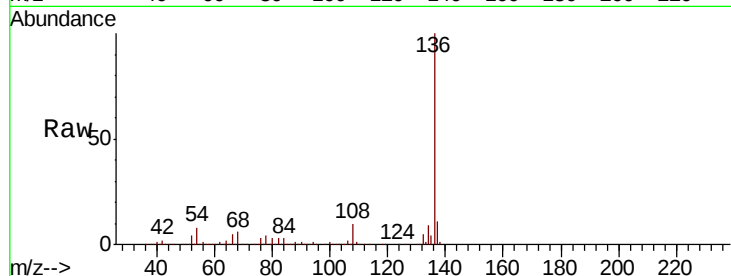




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

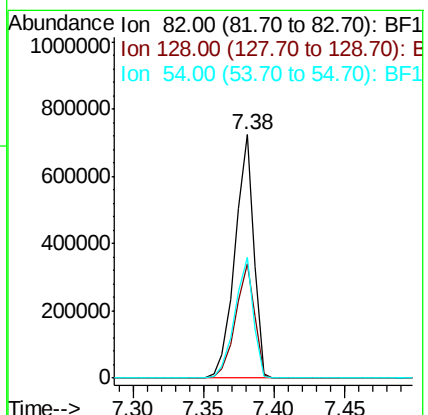
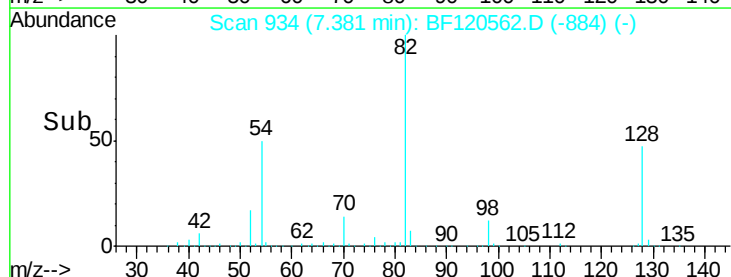
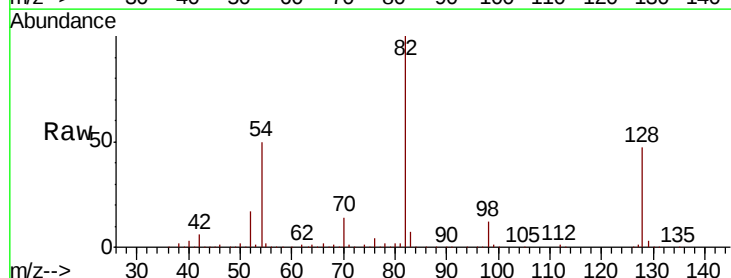
Instrument :
BNA_F
ClientSampleId :
CHRT-24245

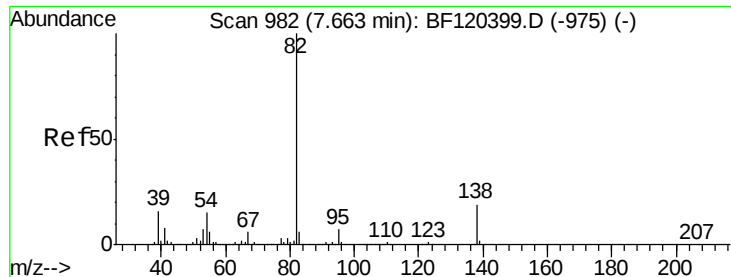
Tot Ion:136	Resp: 697004
Ion Ratio	Lower Upper
136 100	
137 11.3	8.7 13.1
54 8.0	5.1 7.7#
68 6.1	4.0 6.0#



#23
Nitrobenzene-d5
Concen: 63.053 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion: 82	Resp: 671851
Ion Ratio	Lower Upper
82 100	
128 47.0	38.6 57.8
54 49.7	39.5 59.3





#25

Isophorone

Concen: 31.371 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.26 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

Instrument :

BNA_F

ClientSampleId :

CHRT-24245

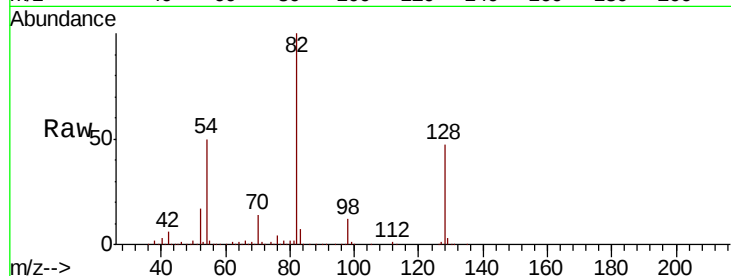
Tot Ion: 82 Resp: 671845

Ion Ratio Lower Upper

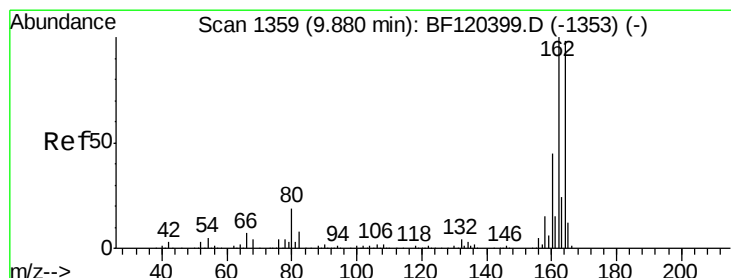
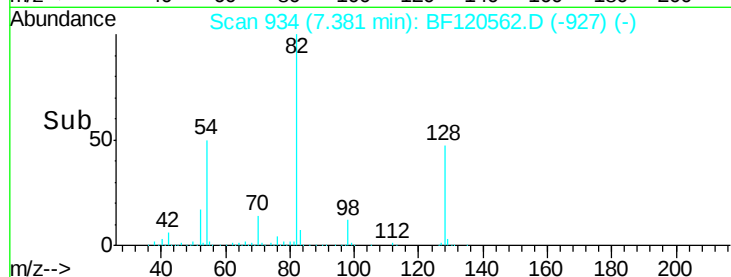
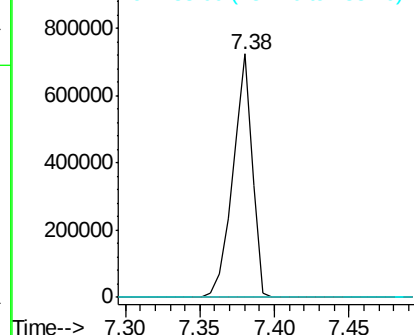
82 100

95 0.0 5.8 8.6#

138 0.0 14.9 22.3#



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: 9.86 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

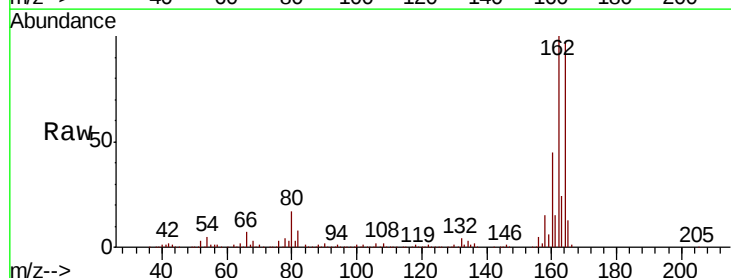
Tgt Ion: 164 Resp: 325550

Ion Ratio Lower Upper

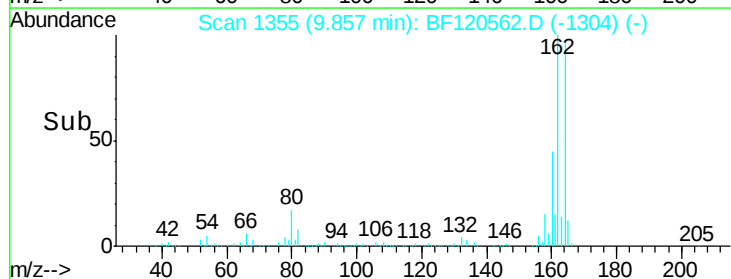
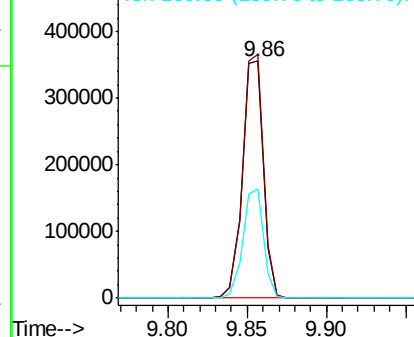
164 100

162 102.7 80.3 120.5

160 46.0 36.6 54.8



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

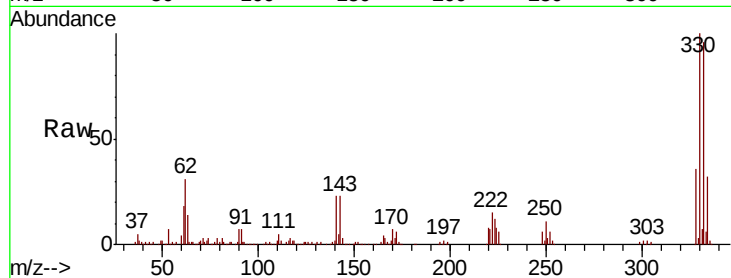




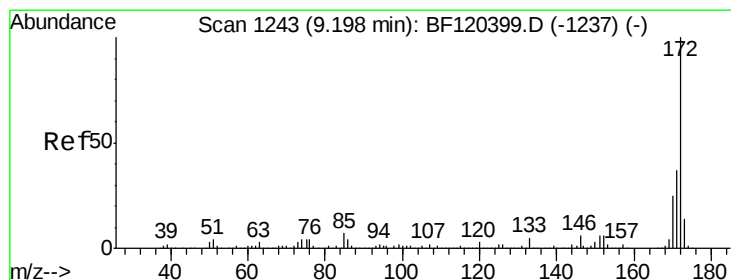
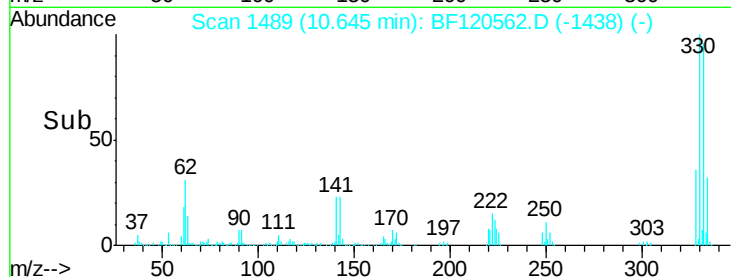
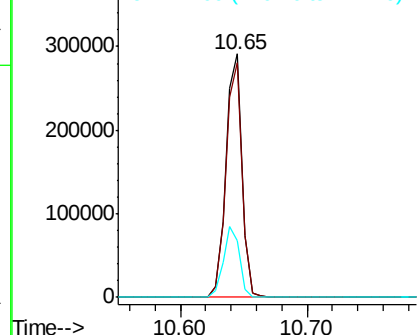
#42
 2,4,6-Tribromophenol
 Concen: 85.898 ng
 RT: 10.65 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: BF120562.D
 Acq: 5 Jun 2020 16:26

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24245

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	30.1	23.9	35.9

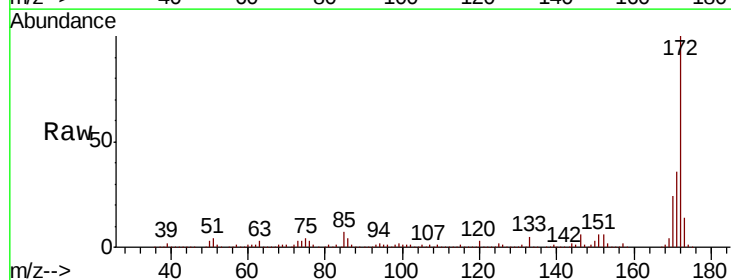


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

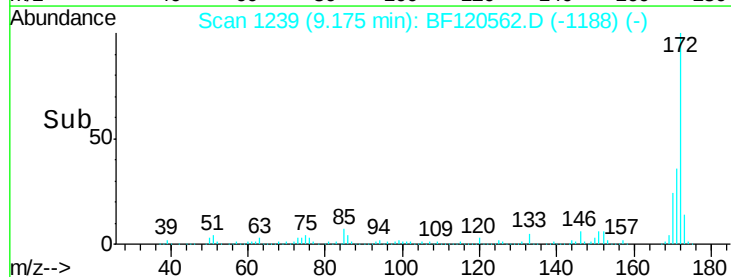
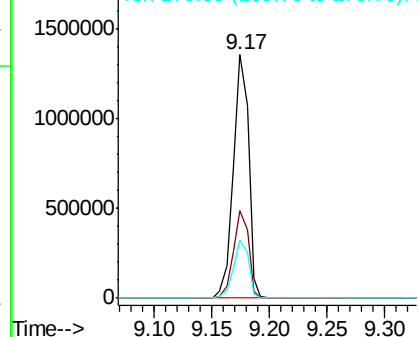


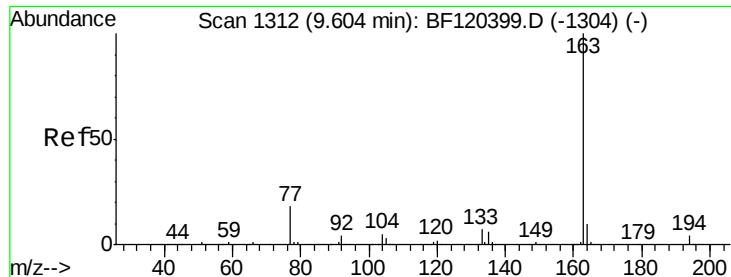
#45
 2-Fluorobiphenyl
 Concen: 64.667 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: BF120562.D
 Acq: 5 Jun 2020 16:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.1	19.0	28.6



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

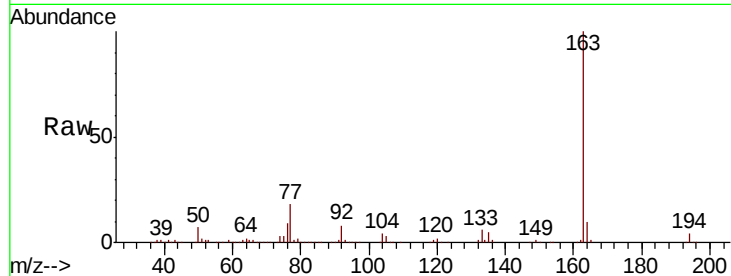




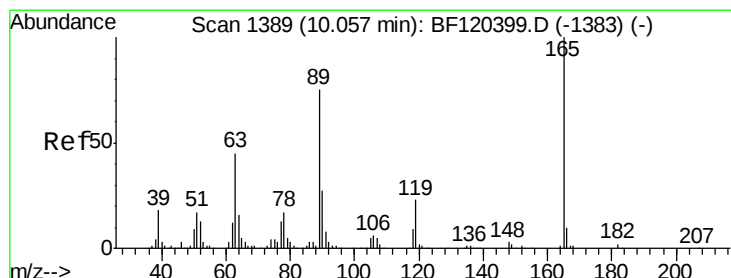
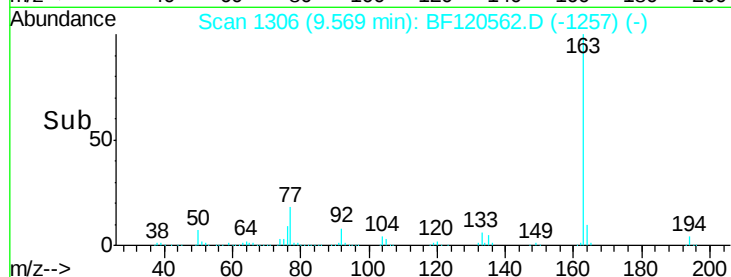
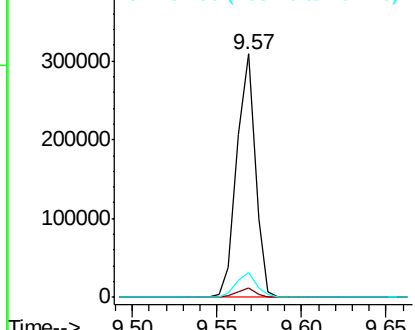
#50
Dimethylphthalate
Concen: 11.602 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Instrument :
BNA_F
ClientSampleId :
CHRT-24245

Tot Ion	163	Resp: Lower	236120
	Ratio		Upper
163	100		
194	4.1	3.3	4.9
164	10.3	7.8	11.8

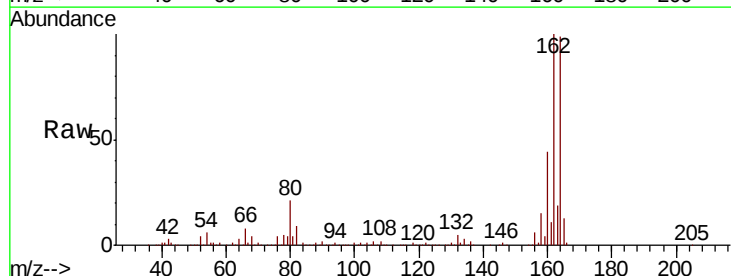


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

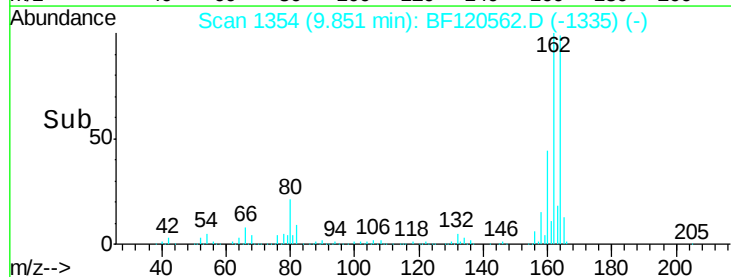
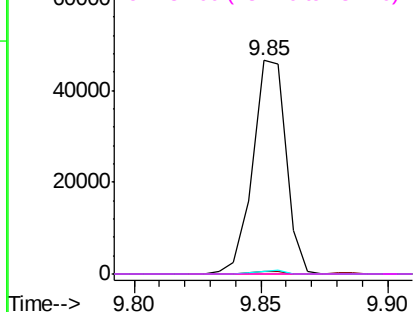


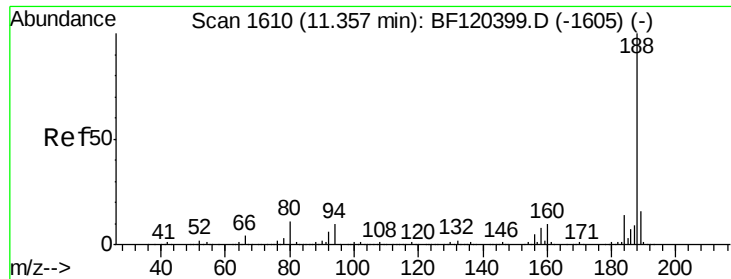
#57
2,4-Dinitrotoluene
Concen: 7.376 ng
RT: 9.85 min Scan# 1354
Delta R.T. -0.19 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt	Ion:165	Resp:	42699
Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.6	52.0#
89	1.4	57.0	85.4#
182	0.0	2.1	3.1#



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

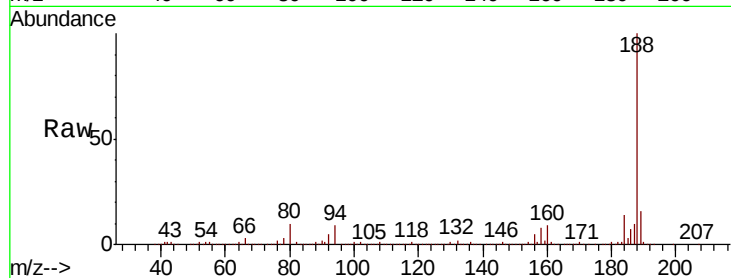




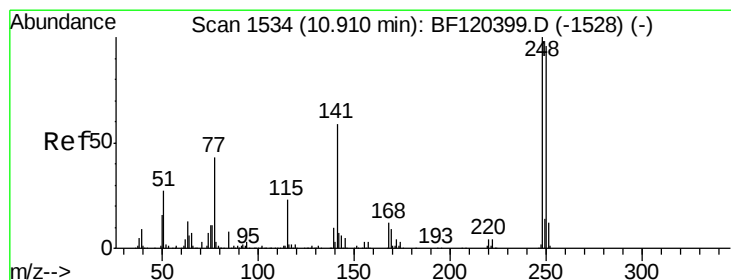
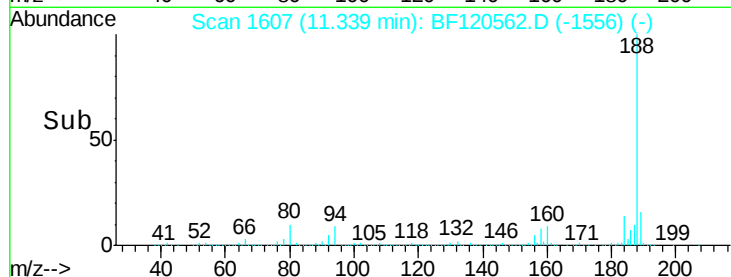
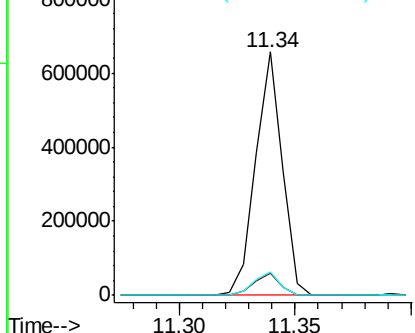
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: BF120562.D
 Acq: 5 Jun 2020 16:26

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24245

Tot Ion:188 Resp: 530684
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.0 10.6
 80 9.6 7.4 11.0

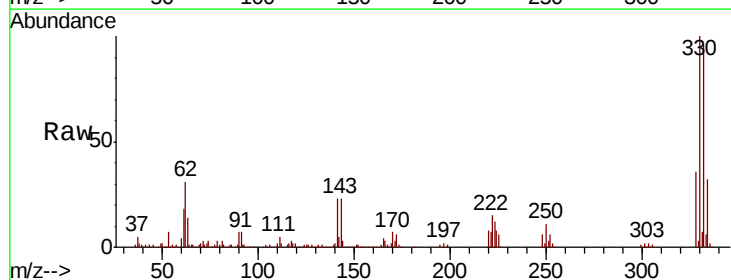


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

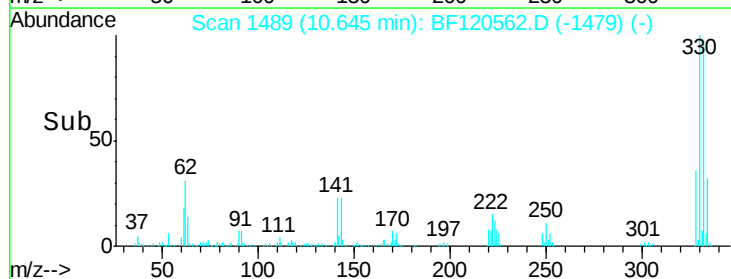
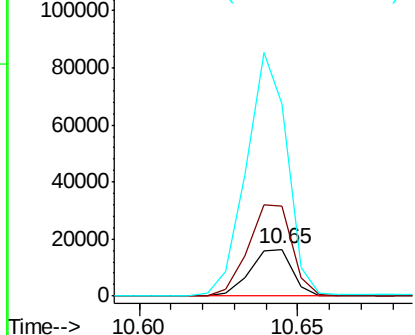


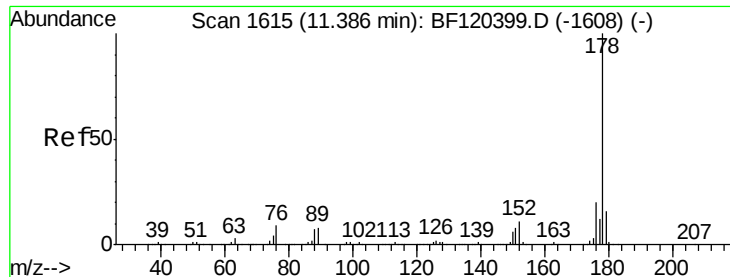
#67
 4-Bromophenyl-phenylether
 Concen: 2.837 ng
 RT: 10.65 min Scan# 1489
 Delta R.T. -0.24 min
 Lab File: BF120562.D
 Acq: 5 Jun 2020 16:26

Tgt Ion:248 Resp: 15197
 Ion Ratio Lower Upper
 248 100
 250 192.2 77.8 116.8#
 141 414.1 50.6 75.8#



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: 3.048 ng

RT: 11.36 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

Instrument :

BNA_F

ClientSampleId :

CHRT-24245

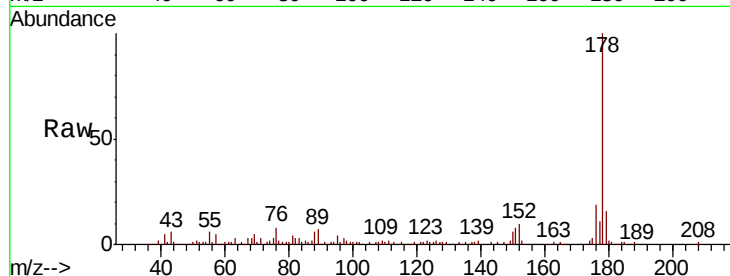
Tot Ion:178 Resp: 71272

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

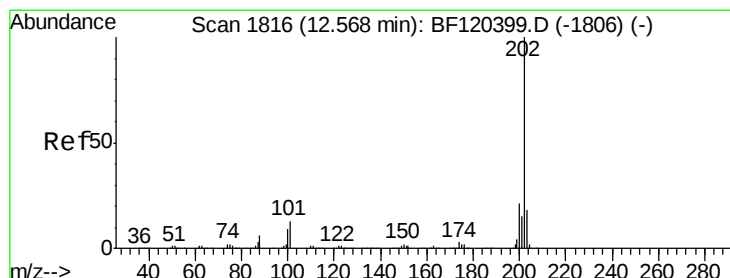
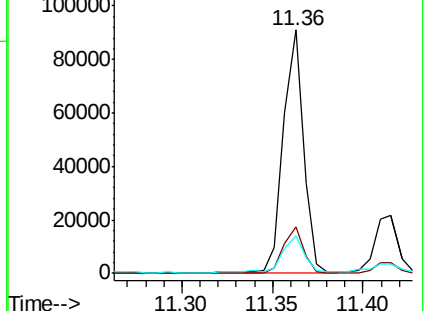
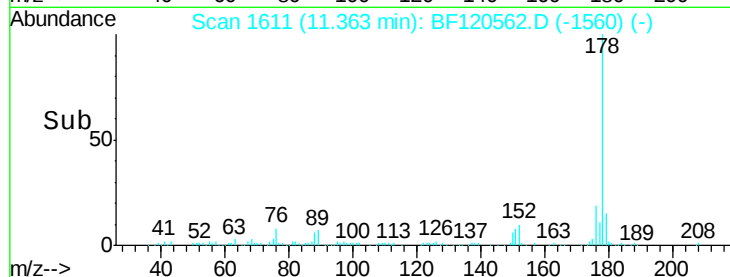
179 15.5 12.5 18.7



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: 9.644 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

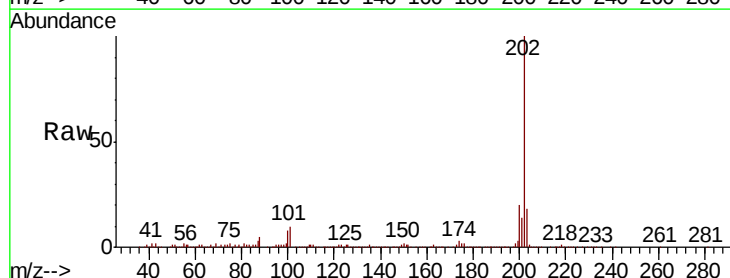
Tgt Ion:202 Resp: 242665

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.2

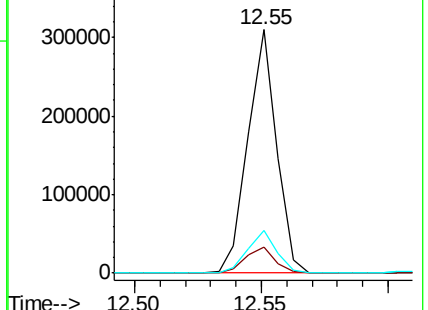
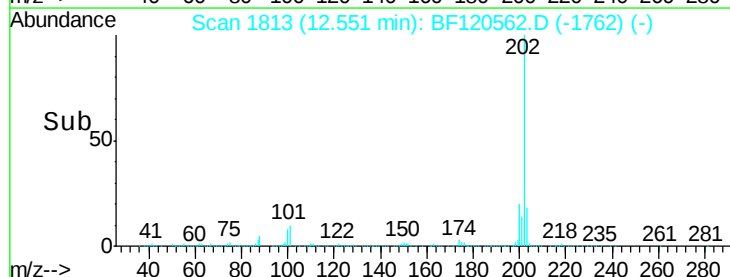
203 17.8 0.0 38.4

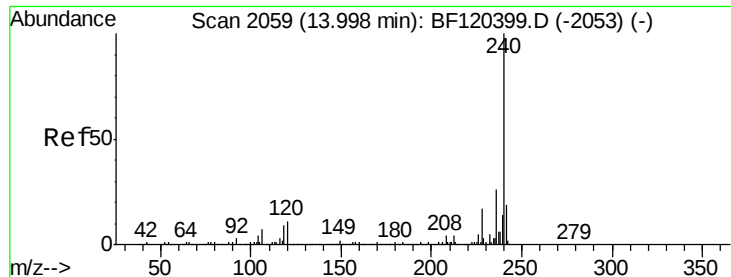


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

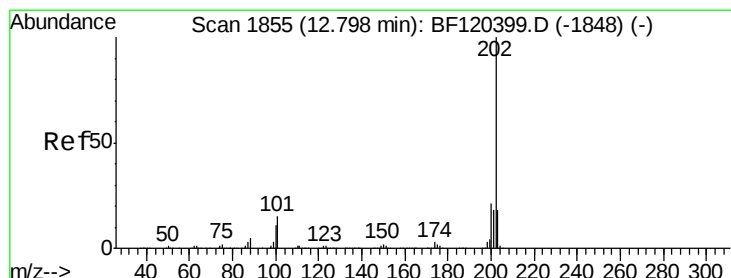
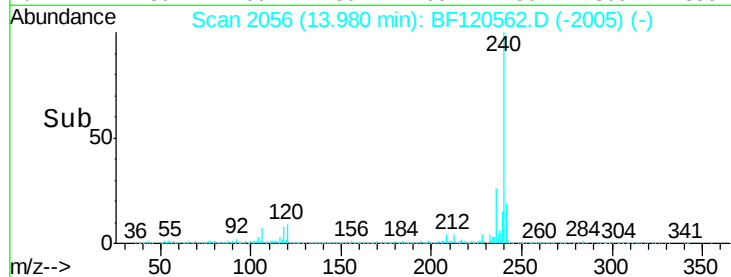
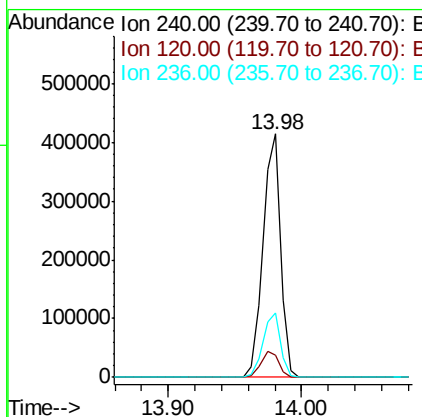
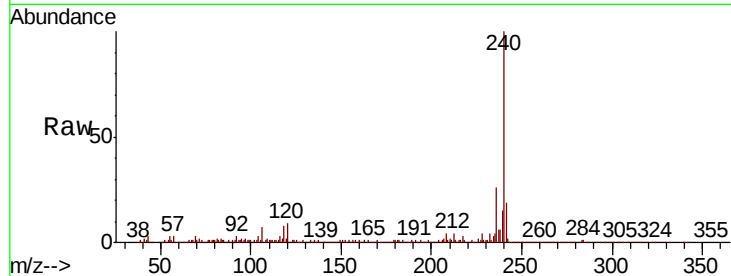




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

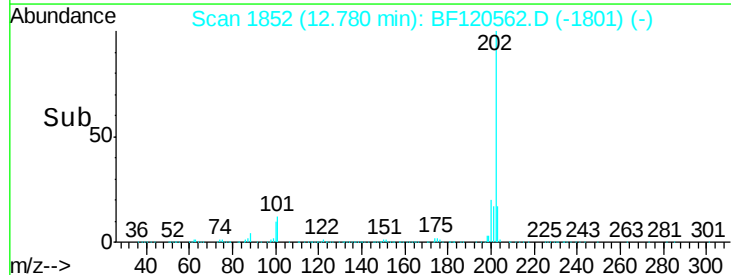
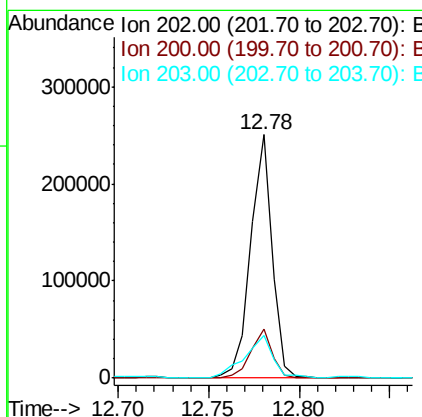
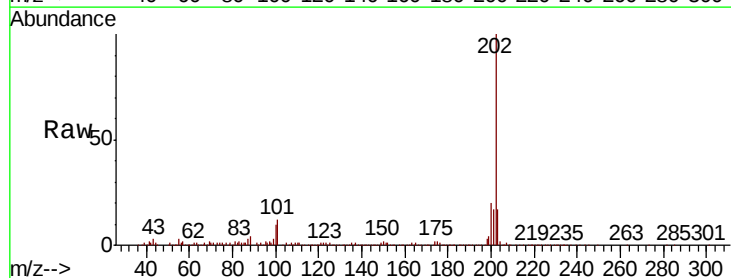
Instrument :
BNA_F
ClientSampleId :
CHRT-24245

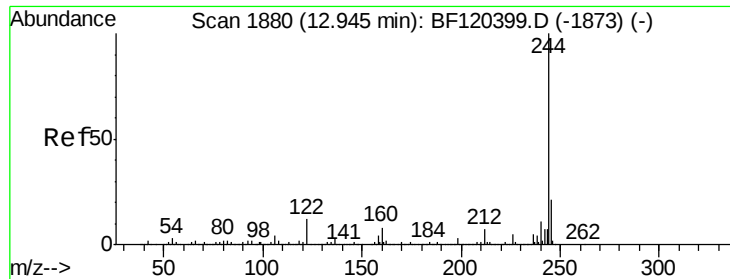
Tot Ion:240 Resp: 371512
Ion Ratio Lower Upper
240 100
120 9.2 9.1 13.7
236 26.3 21.3 31.9



#78
Pyrene
Concen: 7.966 ng
RT: 12.78 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion:202 Resp: 205804
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.3 14.4 21.6





#79

Terphenyl-d14

Concen: 64.157 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

Instrument :

BNA_F

ClientSampleId :

CHRT-24245

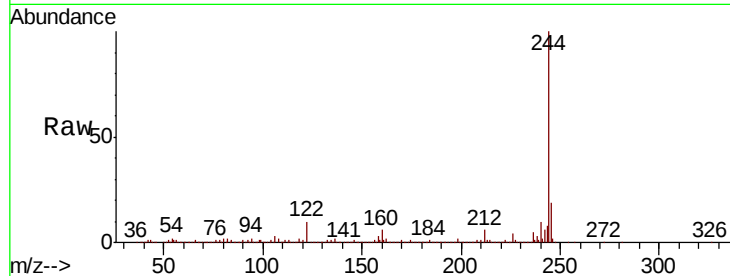
Tot Ion:244 Resp: 1071127

Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

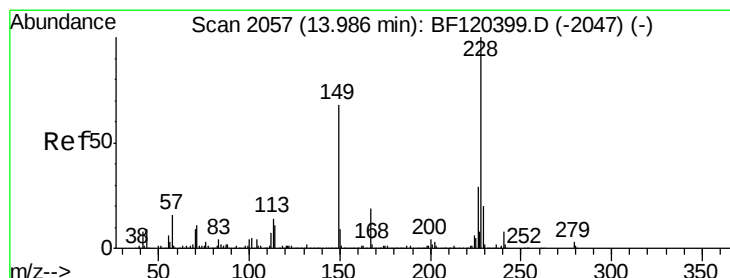
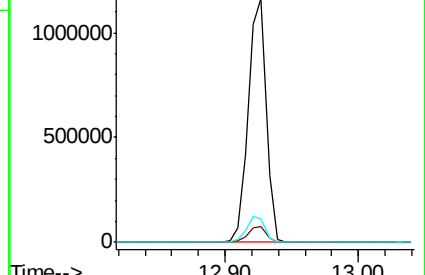
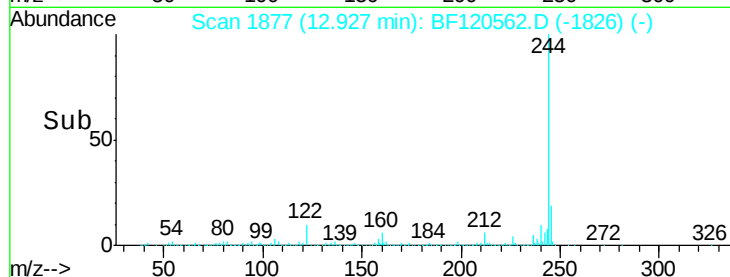
122 9.6 8.4 12.6



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: 5.559 ng

RT: 13.97 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF120562.D

Acq: 5 Jun 2020 16:26

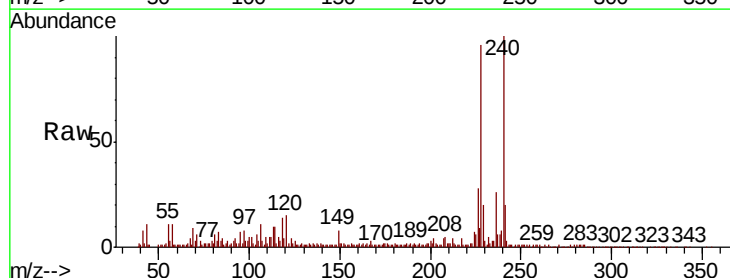
Tgt Ion:228 Resp: 110689

Ion Ratio Lower Upper

228 100

226 29.3 22.7 34.1

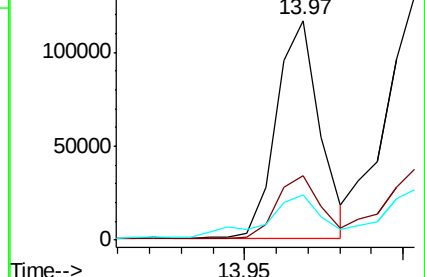
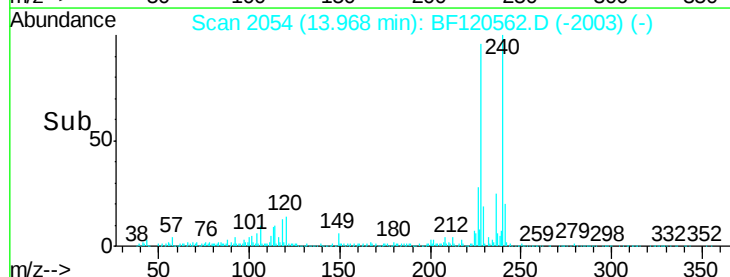
229 20.7 16.2 24.4

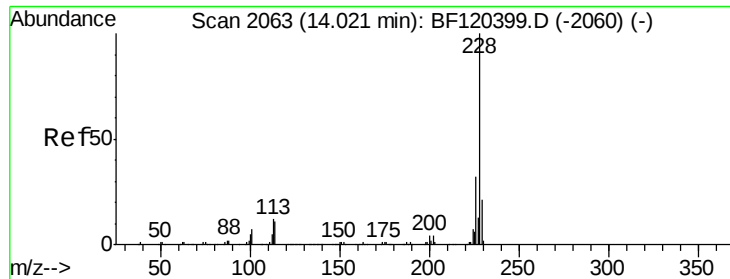


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

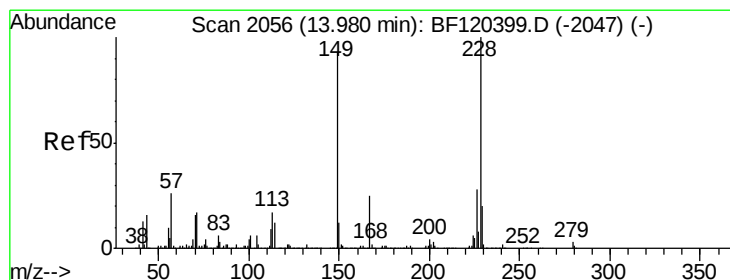
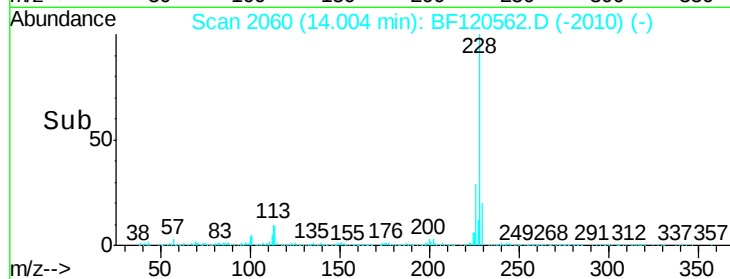
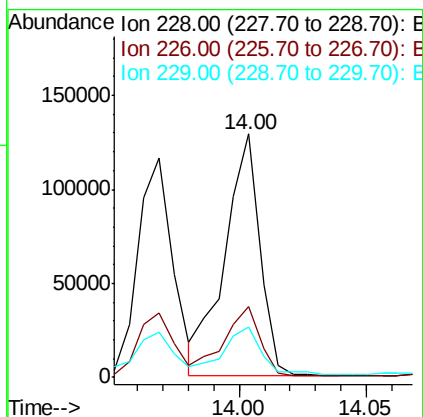
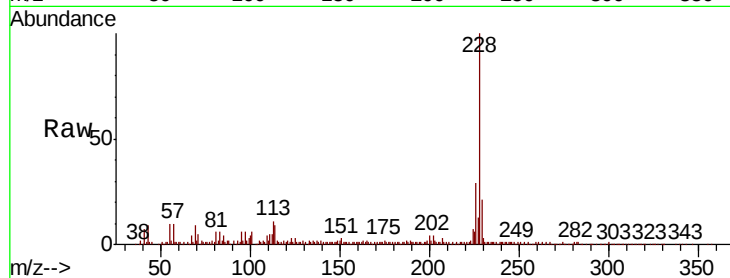




#83
Chrysene
Concen: 5.943 ng
RT: 14.00 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

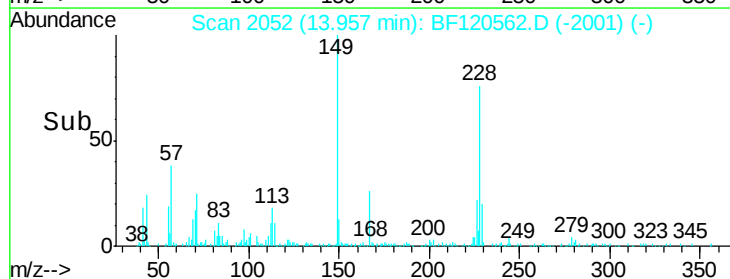
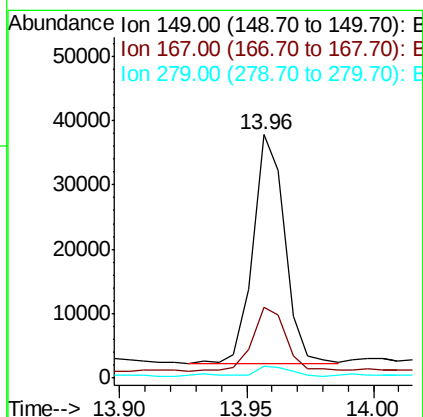
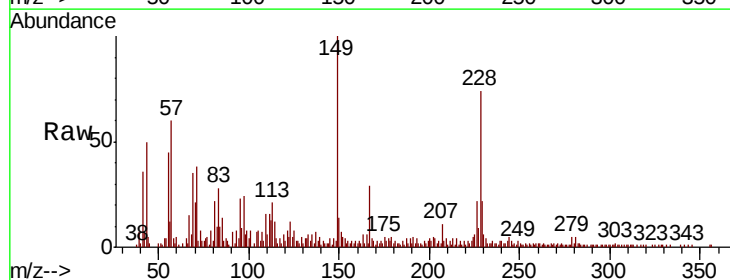
Instrument :
BNA_F
ClientSampleId :
CHRT-24245

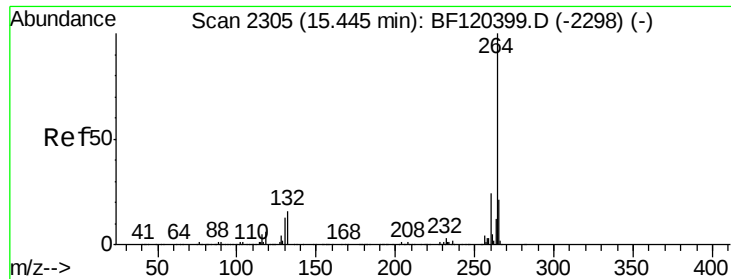
Tot Ion:228 Resp: 124054
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 20.6 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.488 ng
RT: 13.96 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion:149 Resp: 31501
Ion Ratio Lower Upper
149 100
167 29.0 21.8 32.6
279 4.7 2.7 4.1#

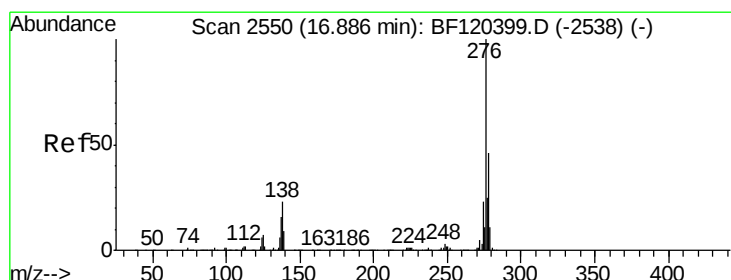
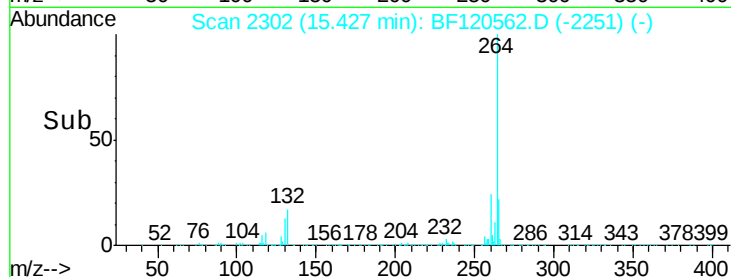
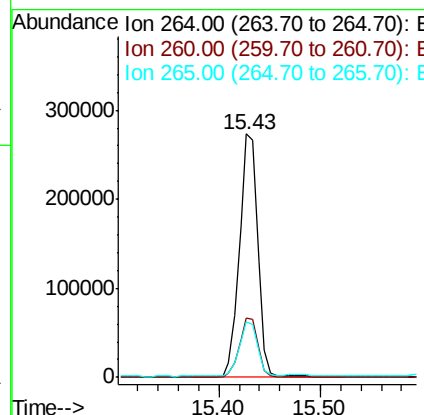
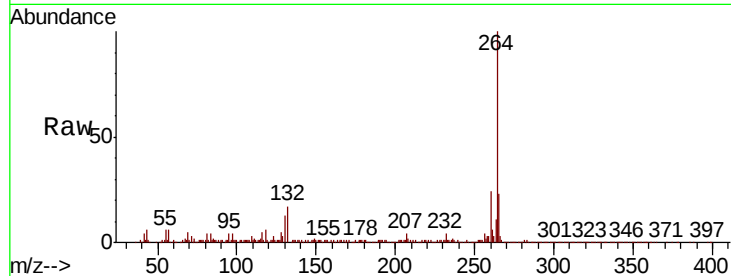




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

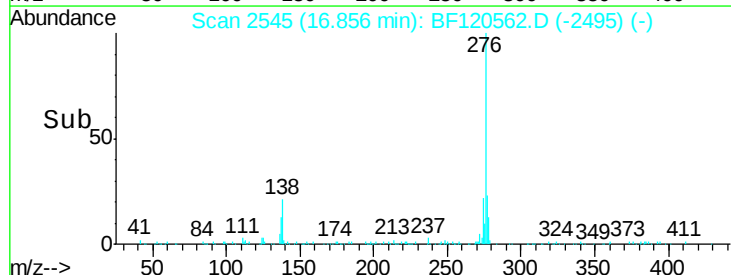
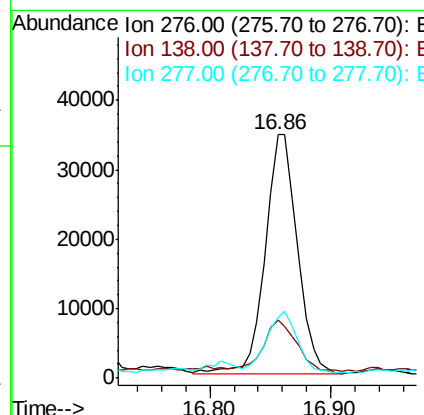
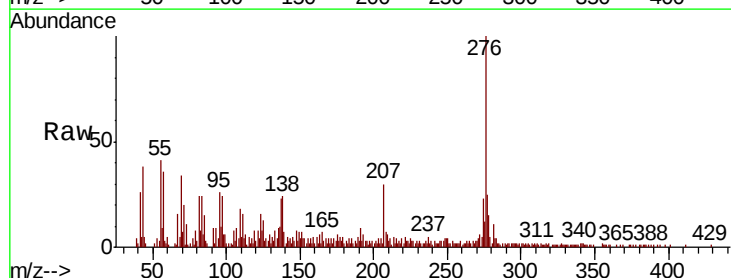
Instrument :
BNA_F
ClientSampleId :
CHRT-24245

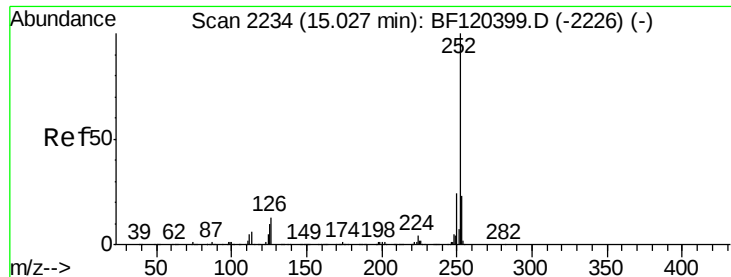
Tot Ion:264 Resp: 340339
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.6 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.411 ng
RT: 16.86 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion:276 Resp: 63492
Ion Ratio Lower Upper
276 100
138 22.4 17.8 26.8
277 24.7 20.1 30.1

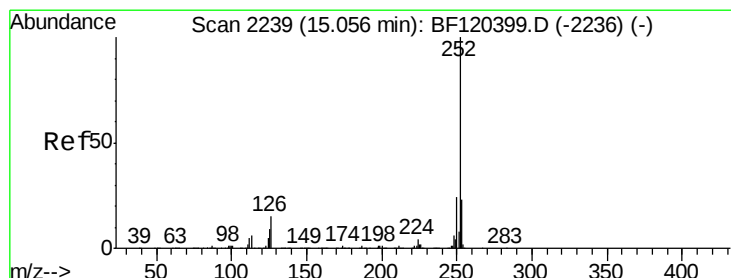
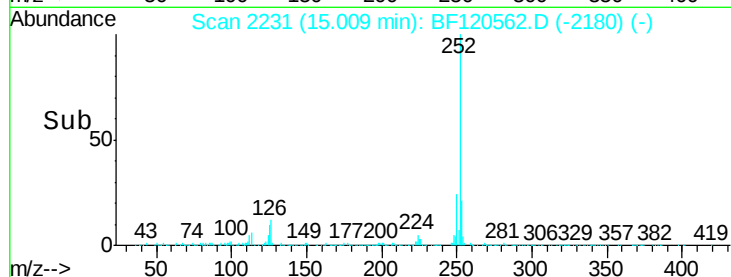
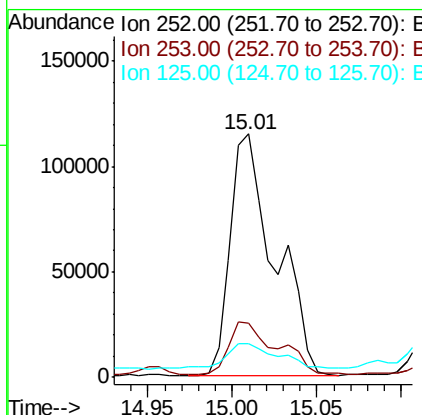
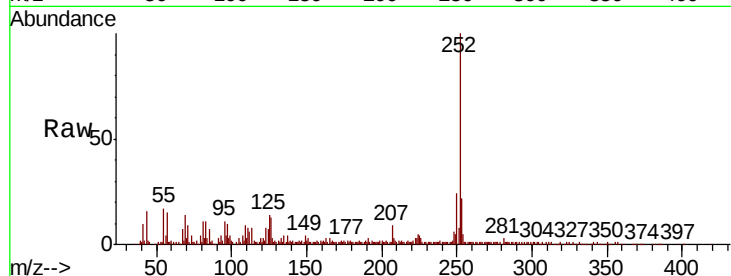




#88
Benzo(b)fluoranthene
Concen: 11.107 ng
RT: 15.01 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

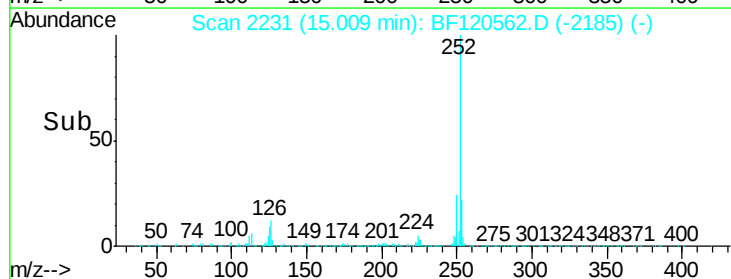
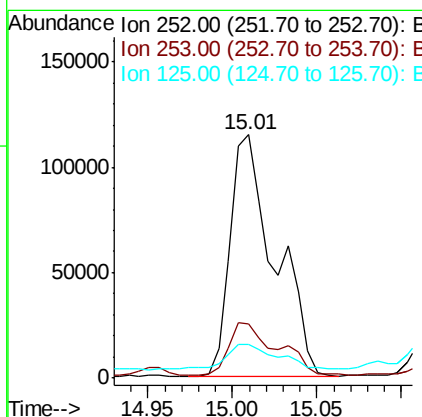
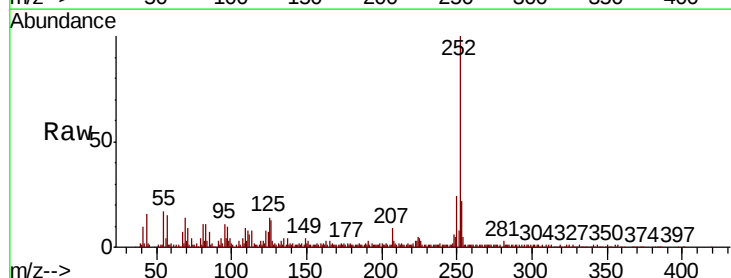
Instrument :
BNA_F
ClientSampleId :
CHRT-24245

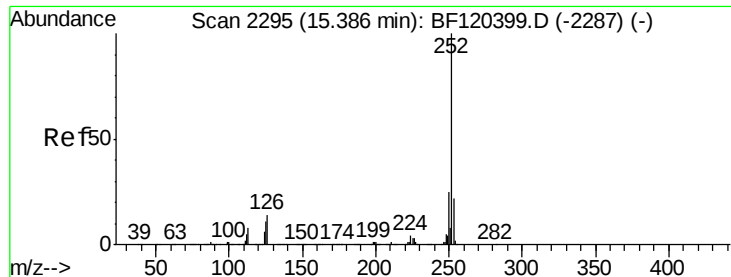
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	13.7	6.7	10.1



#89
Benzo(k)fluoranthene
Concen: 11.898 ng
RT: 15.01 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	13.7	6.8	10.2

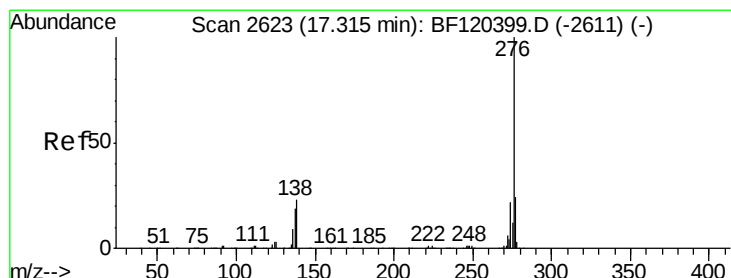
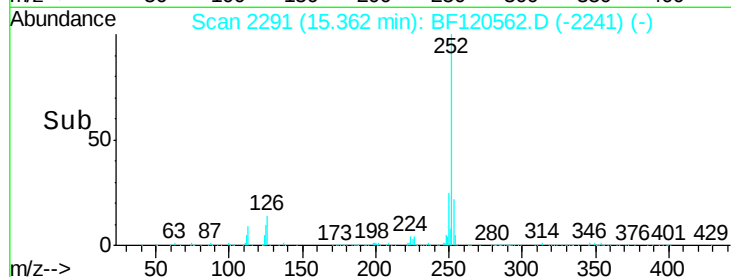
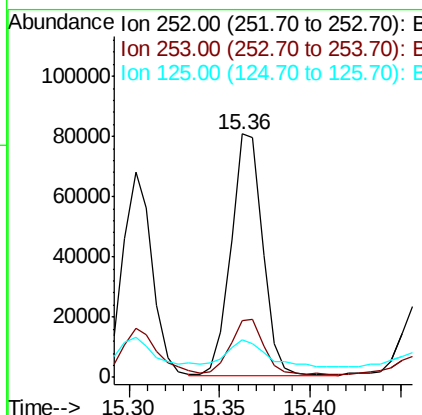
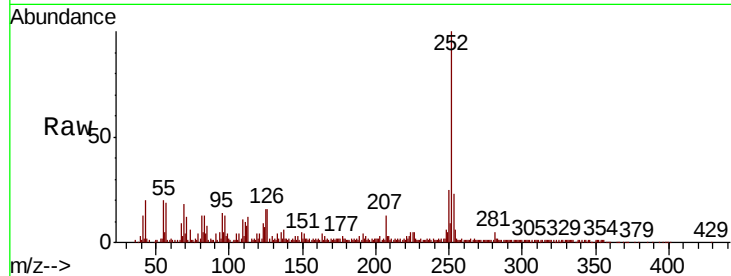




#90
Benzo(a)pyrene
Concen: 5.887 ng
RT: 15.36 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Instrument :
BNA_F
ClientSampled :
CHRT-24245

Tot Ion:252 Resp: 97343
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 15.5 7.8 11.8#



#92
Benzo(g,h,i)perylene
Concen: 4.084 ng
RT: 17.29 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BF120562.D
Acq: 5 Jun 2020 16:26

Tgt Ion:276 Resp: 61124
Ion Ratio Lower Upper
276 100
277 26.0 18.8 28.2
138 22.2 15.4 23.0

