

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120551.D
 Acq On : 4 Jun 2020 23:29
 Operator : JU/CG
 Sample : L2858-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT27247

Quant Time: Jun 05 00:32:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	166265	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	663656	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	248729	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	443323	20.00	ng	0.00
76) Chrysene-d12	14.00	240	306679	20.00	ng	0.00
86) Perylene-d12	15.46	264	371629	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	73220	8.39	ng	0.00
7) Phenol-d6	6.46	99	89053	8.28	ng	-0.01
23) Nitrobenzene-d5	7.38	82	51786	5.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	20423	8.86	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	96507	6.58	ng	-0.01
79) Terphenyl-d14	12.94	244	101352	7.35	ng	0.00

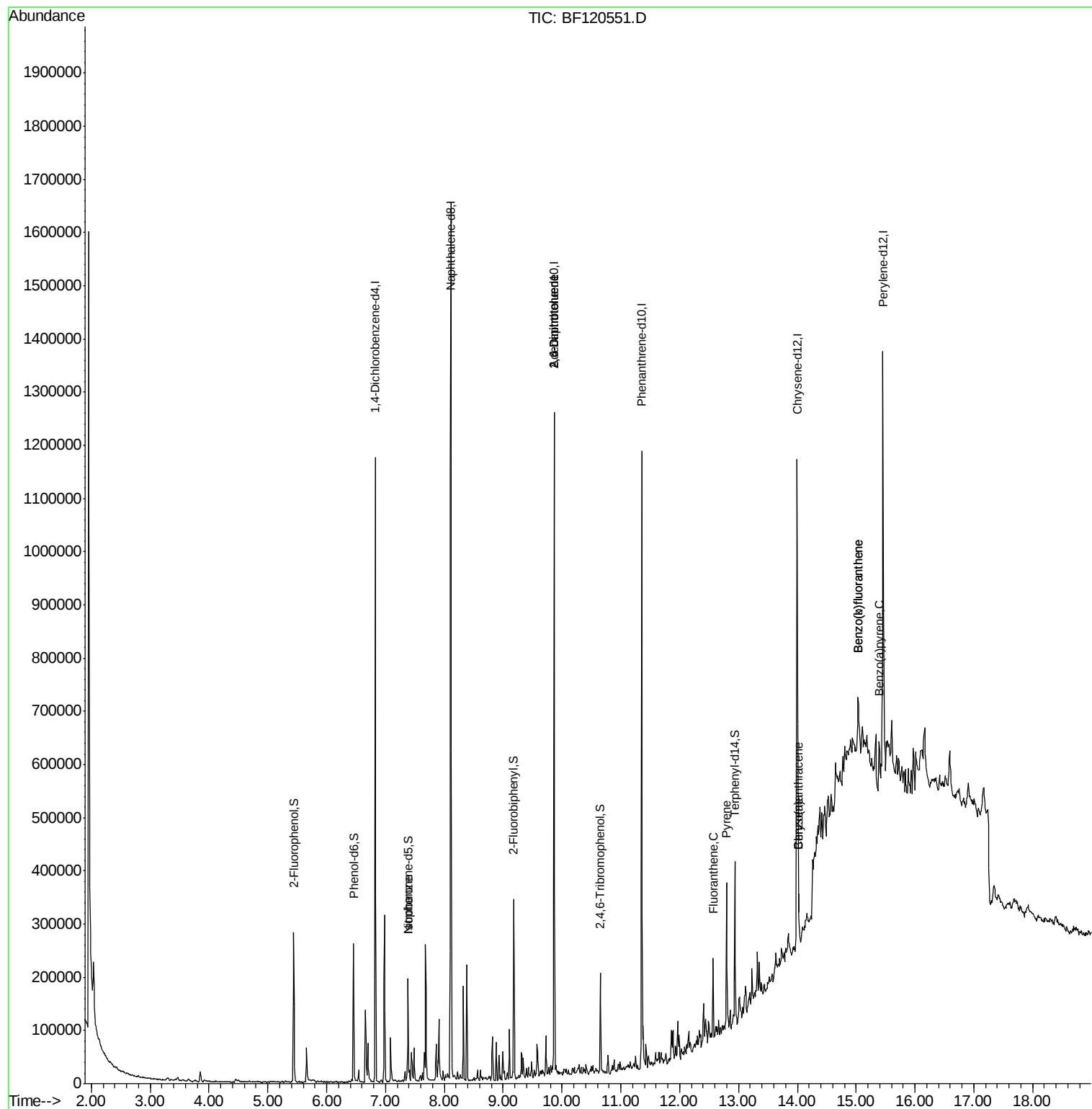
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.38	82	51785	2.540	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	32140	9.301	ng	# 30
57) 2,4-Dinitrotoluene	9.87	165	32140	7.267	ng	# 26
75) Fluoranthene	12.57	202	55652	2.648	ng	98
78) Pyrene	12.80	202	109802	5.148	ng	99
81) Benzo(a)anthracene	14.02	228	38727	2.356	ng	97
83) Chrysene	14.02	228	38727	2.247	ng	95
88) Benzo(b)fluoranthene	15.03	252	72852	3.529	ng	# 86
89) Benzo(k)fluoranthene	15.03	252	72852	3.781	ng	# 87
90) Benzo(a)pyrene	15.39	252	42020	2.327	ng	# 87

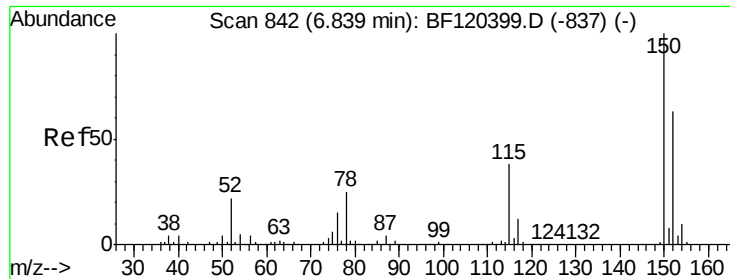
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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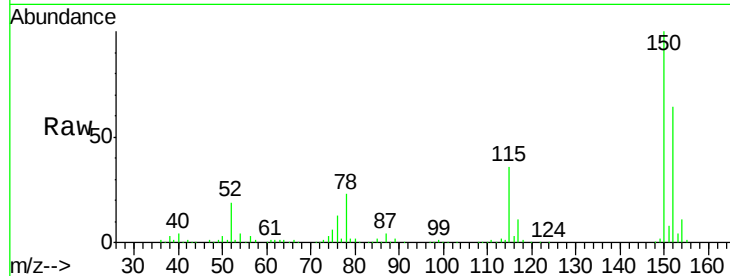


#1

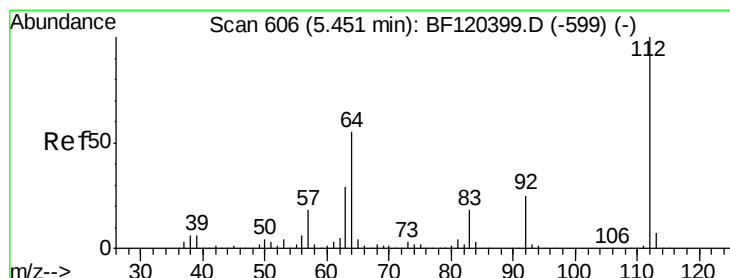
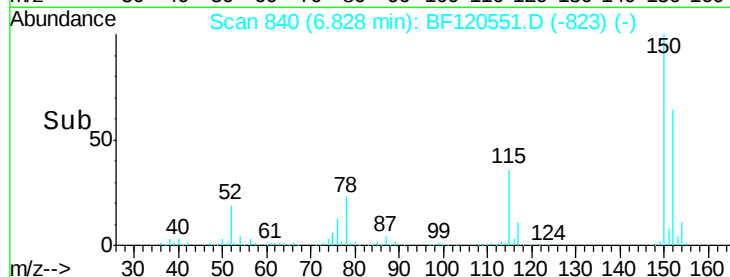
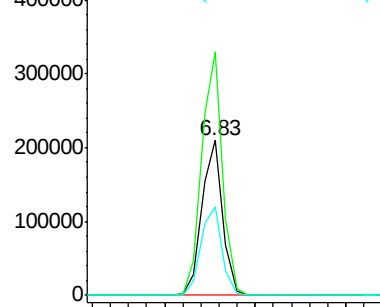
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

Tot Ion:152 Resp: 166265
Ion Ratio Lower Upper
152 100
150 156.9 126.3 189.5
115 56.8 48.1 72.1



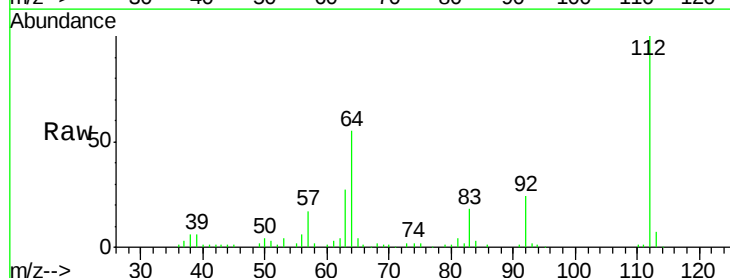
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



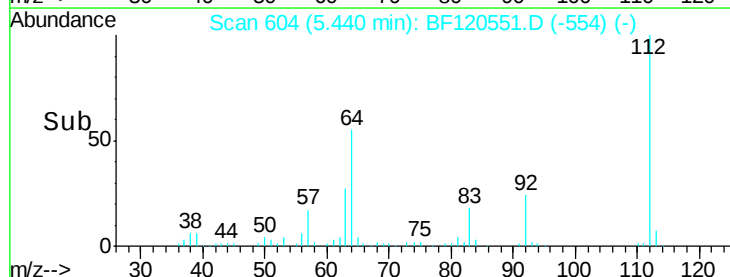
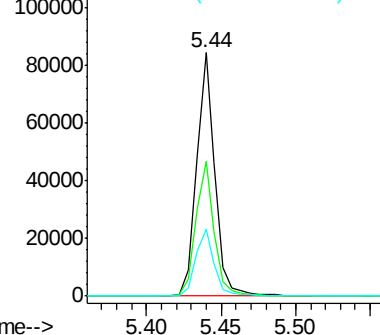
#5

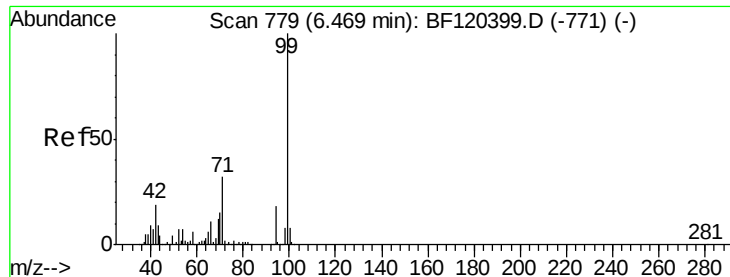
2-Fluorophenol
Concen: 8.393 ng
RT: 5.44 min Scan# 604
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion:112 Resp: 73220
Ion Ratio Lower Upper
112 100
64 55.3 47.2 70.8
63 27.4 24.7 37.1



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: 8.281 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

ClientSampleId :

CHRT27247

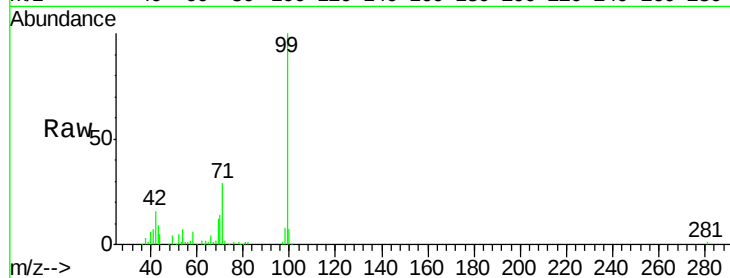
Tot Ion: 99 Resp: 89053

Ion Ratio Lower Upper

99 100

42 15.7 15.0 22.6

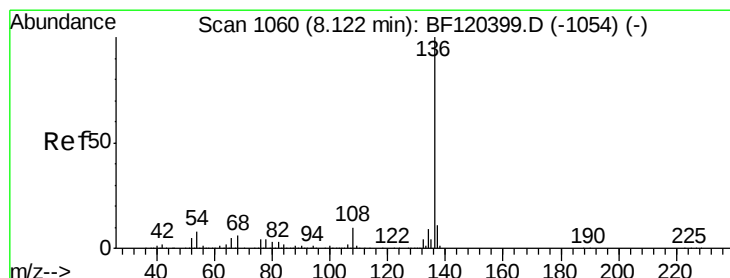
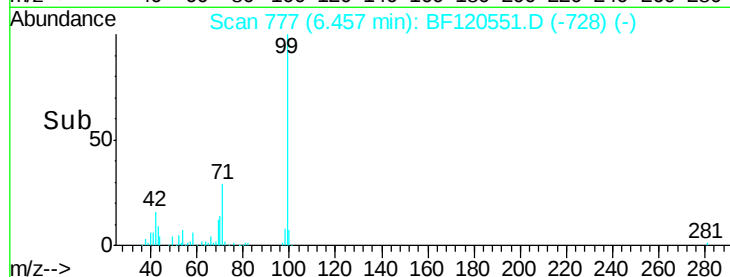
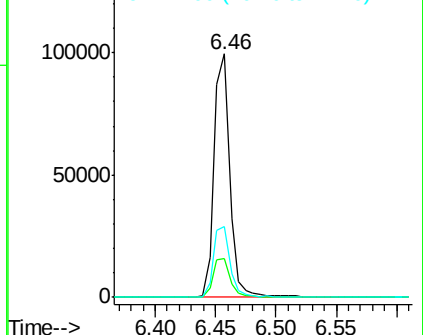
71 29.3 27.0 40.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Tgt Ion: 136 Resp: 663656

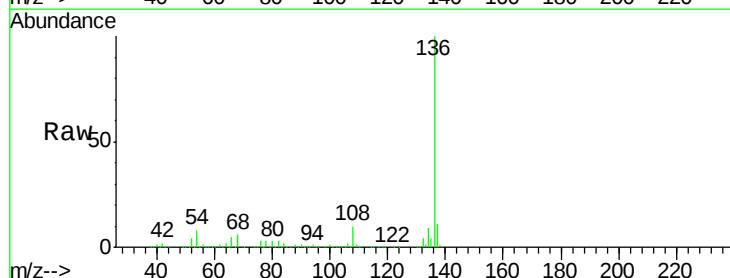
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.5 5.4 8.0

68 5.9 4.3 6.5

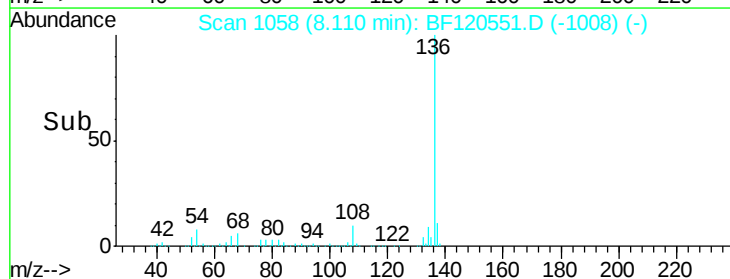
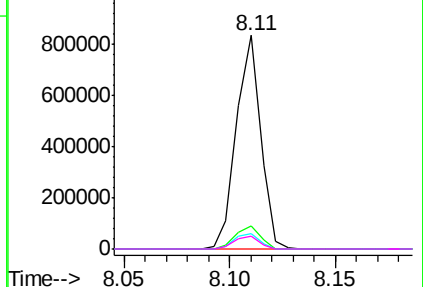


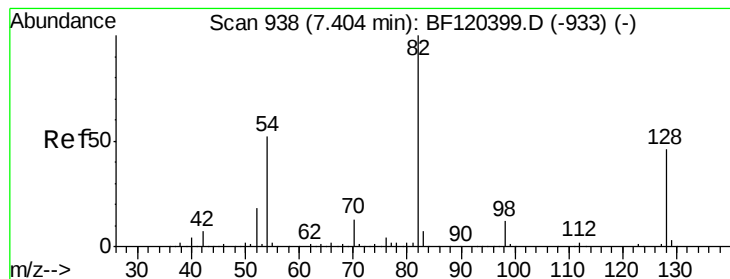
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.104 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

ClientSampleId :

CHRT27247

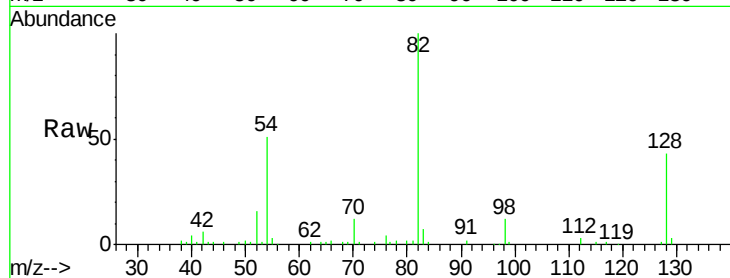
Tot Ion: 82 Resp: 51786

Ion Ratio Lower Upper

82 100

128 42.9 36.7 55.1

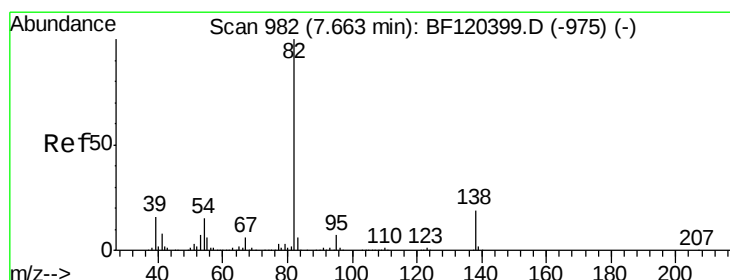
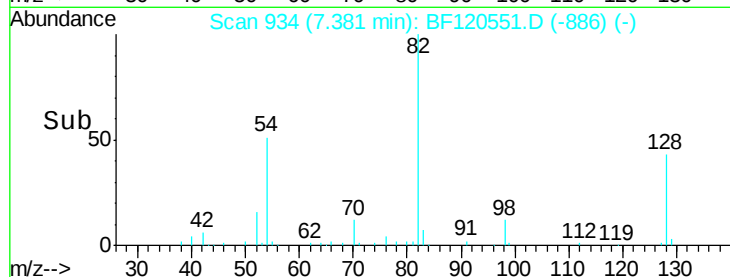
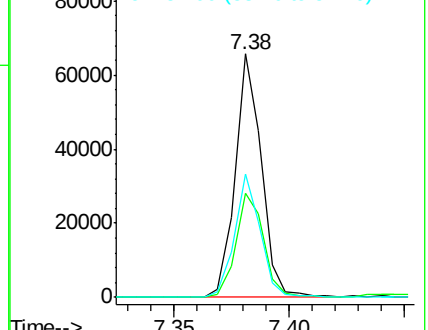
54 50.7 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 2.540 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.28 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

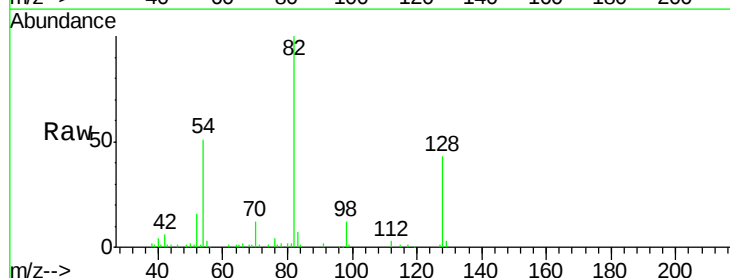
Tgt Ion: 82 Resp: 51785

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

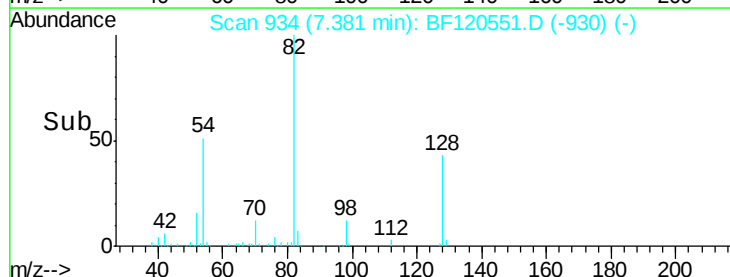
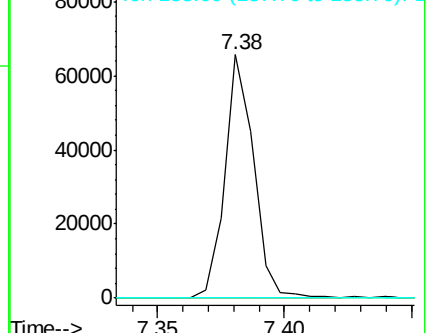
138 0.0 15.6 23.4#

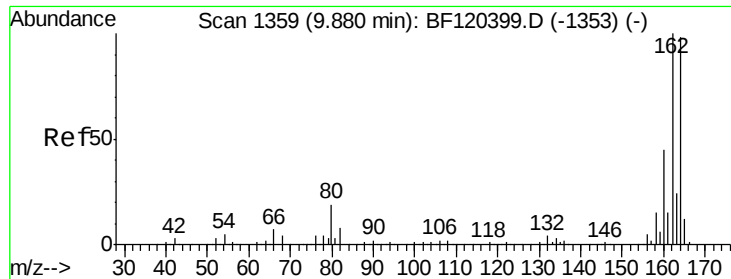


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

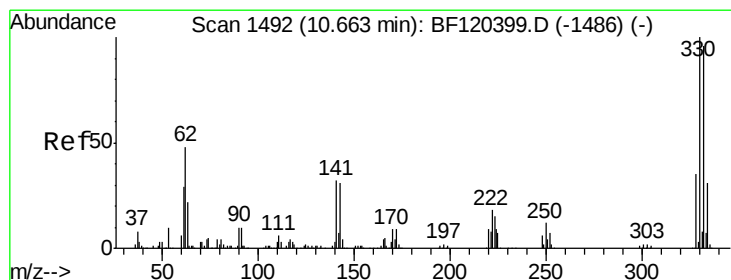
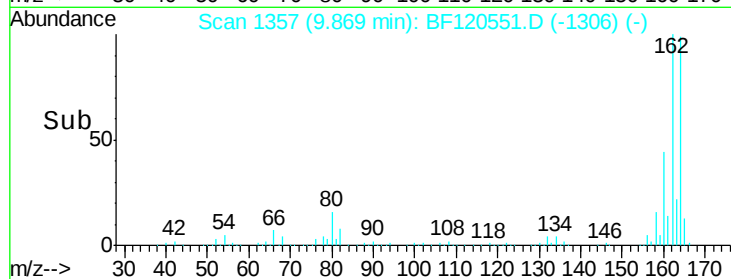
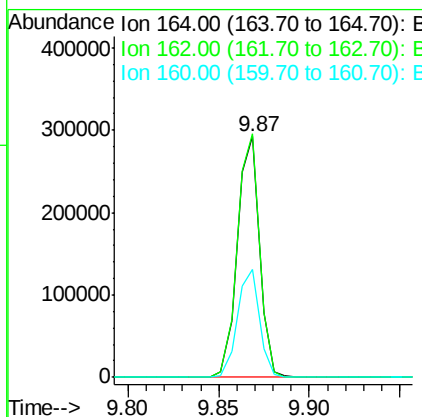
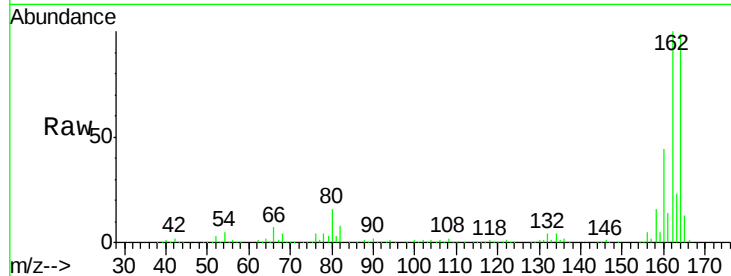




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

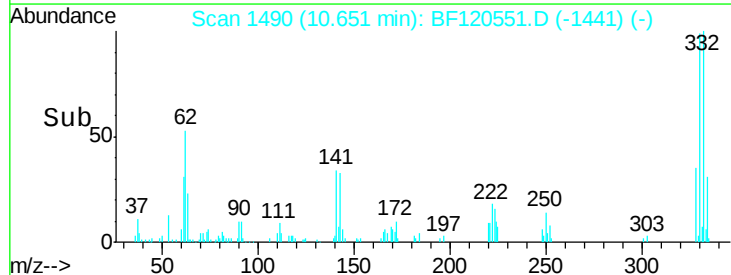
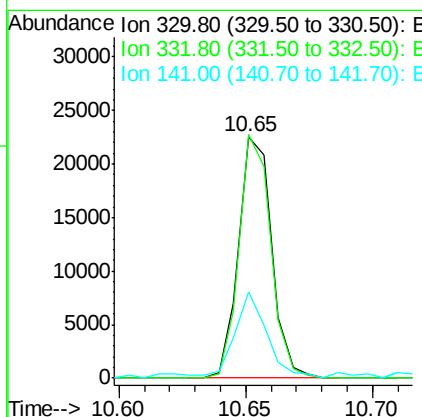
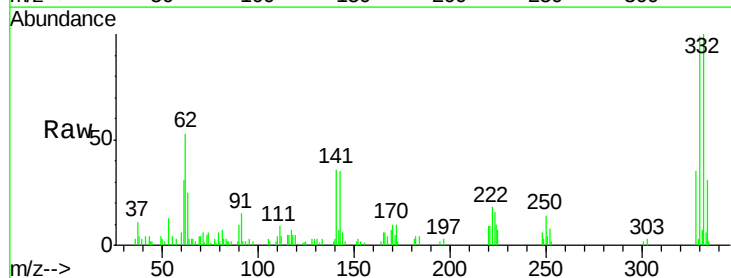
Instrument :
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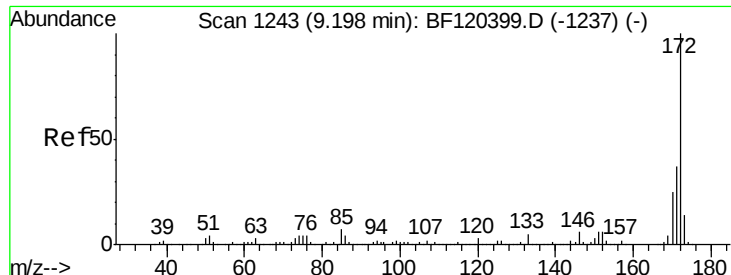
Tot Ion:164 Resp: 248729
Ion Ratio Lower Upper
164 100
162 101.2 81.2 121.8
160 44.9 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 8.862 ng
RT: 10.65 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion:330 Resp: 20423
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 37.3 23.8 35.8#

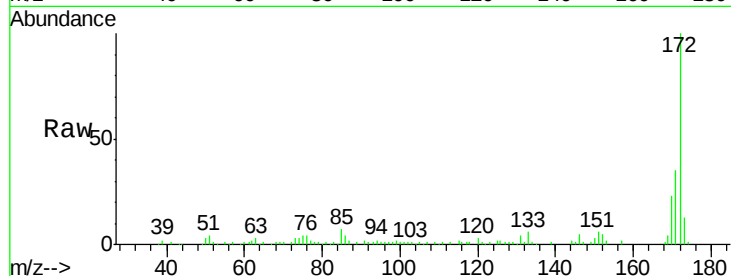




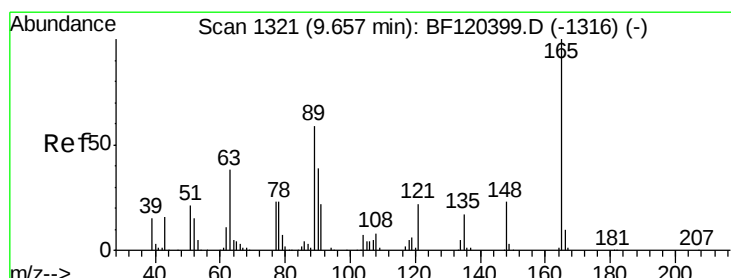
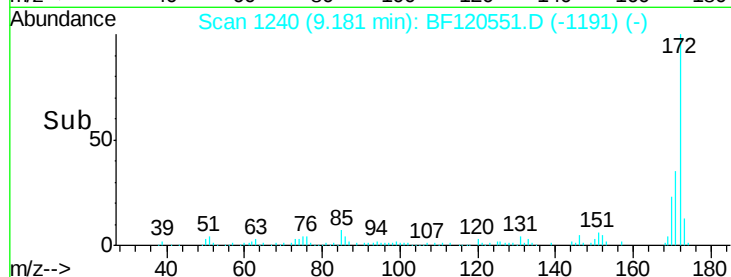
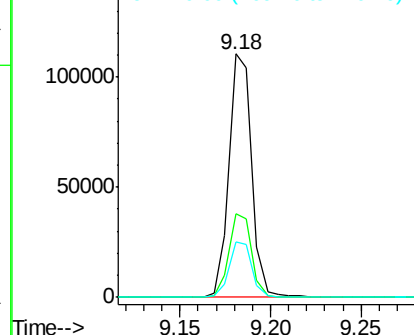
#45
 2-Fluorobiphenyl
 Concen: 6.583 ng
 RT: 9.18 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

Instrument :
 BNA_F
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 CHRT27247

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.5	44.3
170	23.0	19.8	29.6

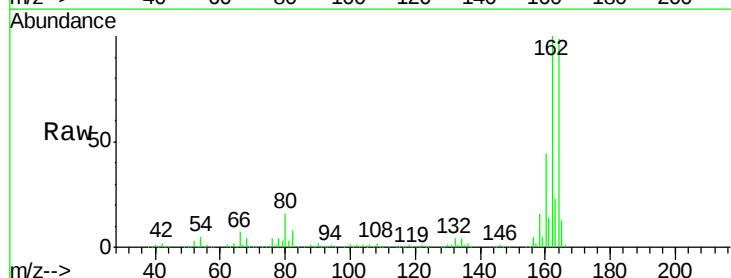


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

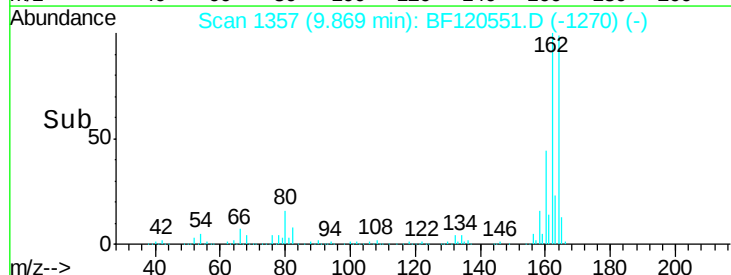
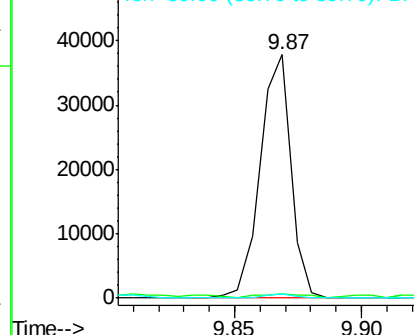


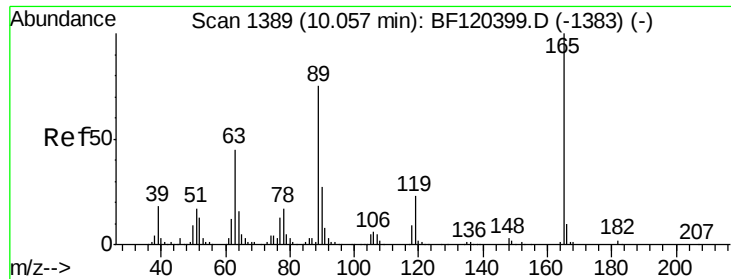
#51
 2,6-Dinitrotoluene
 Concen: 9.301 ng
 RT: 9.87 min Scan# 1357
 Delta R.T. 0.21 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	39.8	59.8#
89	1.9	41.0	61.4#



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

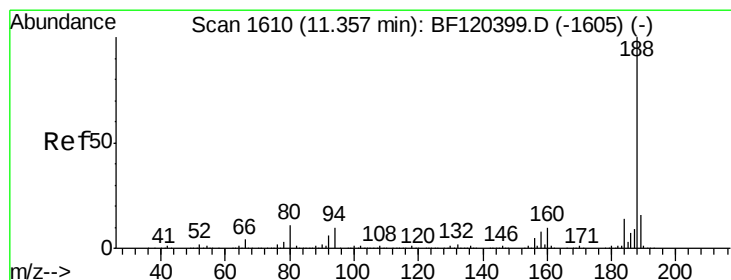
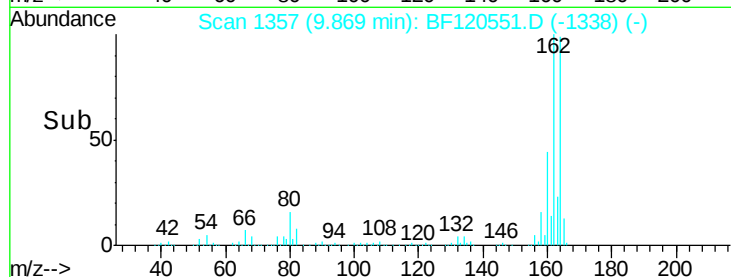
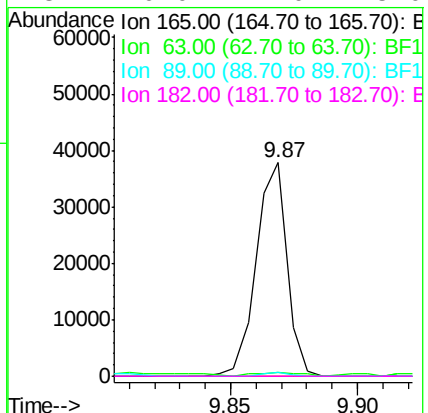
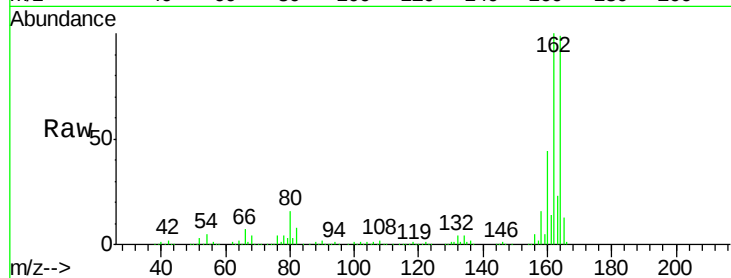




#57
 2,4-Dinitrotoluene
 Concen: 7.267 ng
 RT: 9.87 min Scan# 1357
 Delta R.T. -0.19 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

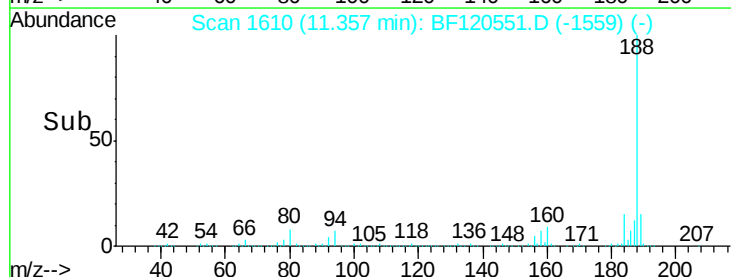
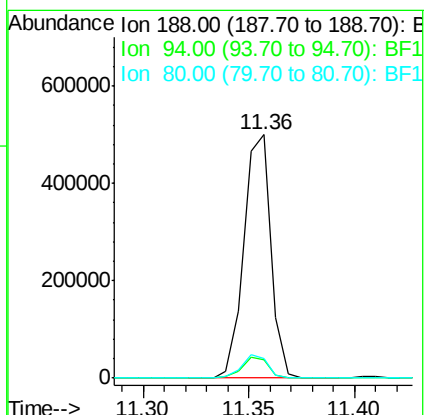
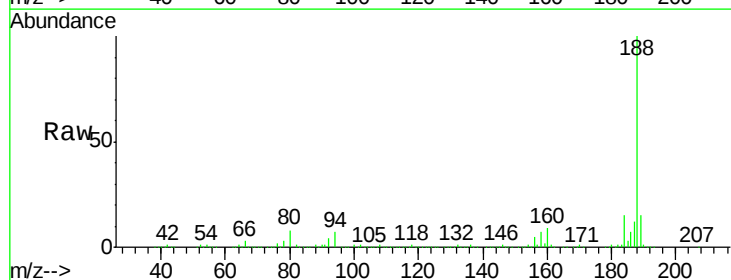
Instrument :
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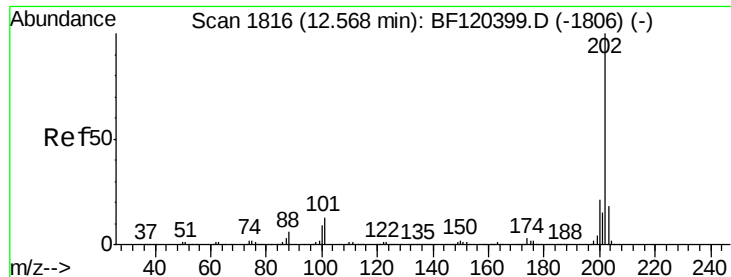
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.1	51.1#
89	1.9	56.2	84.4#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	7.4	11.2
80	7.9	7.6	11.4





#75

Fluoranthene

Concen: 2.648 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

Instrument :

BNA_F

ClientSampleId :

CHRT27247

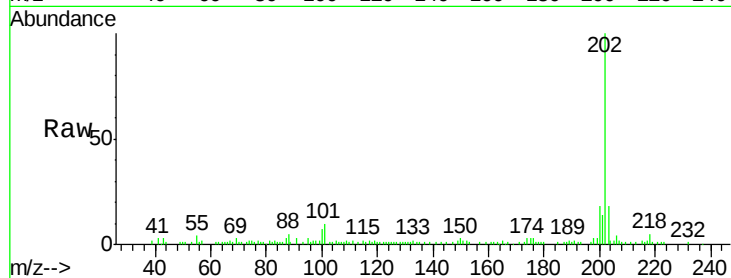
Tot Ion:202 Resp: 55652

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.3

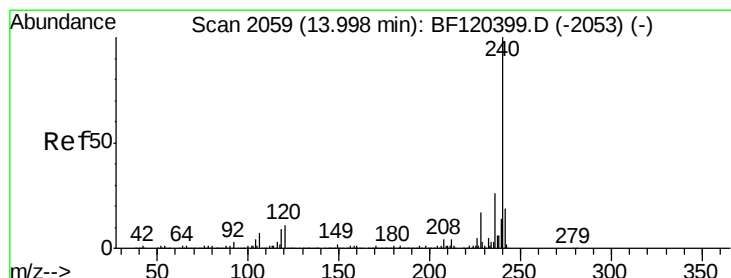
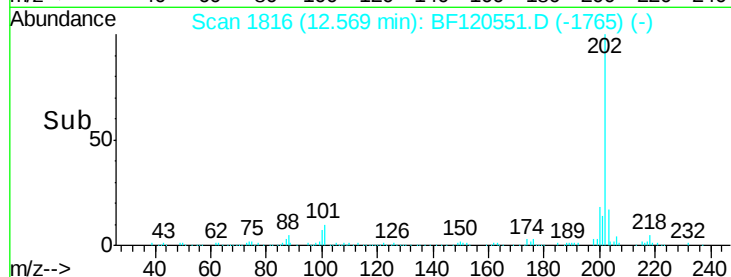
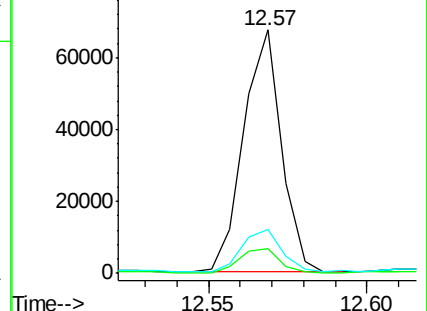
203 18.0 0.0 38.4



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: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120551.D

Acq: 4 Jun 2020 23:29

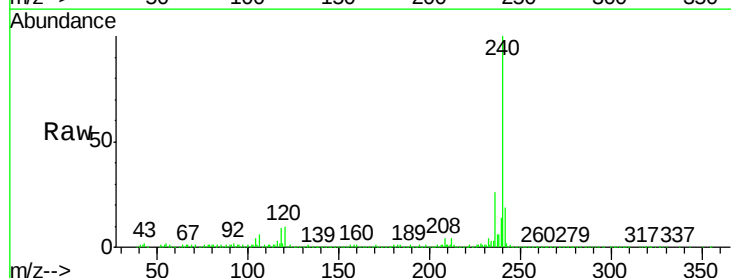
Tgt Ion:240 Resp: 306679

Ion Ratio Lower Upper

240 100

120 9.9 7.7 11.5

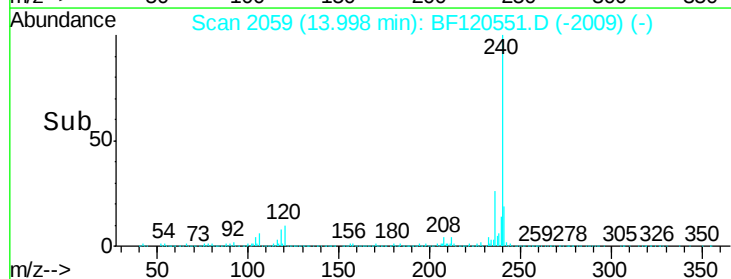
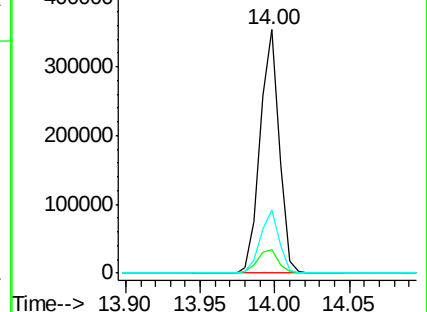
236 25.7 20.8 31.2

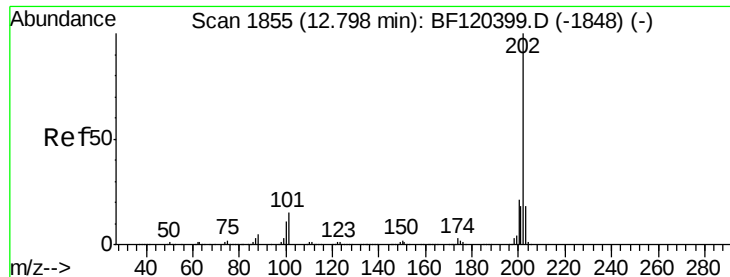


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

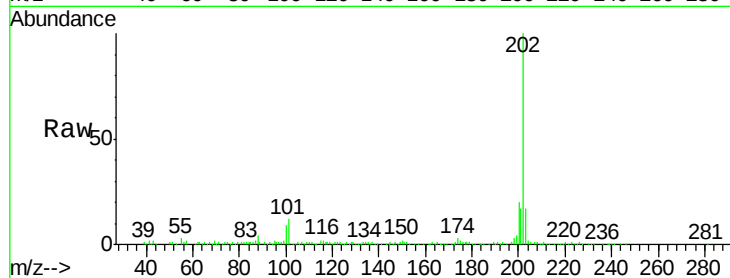




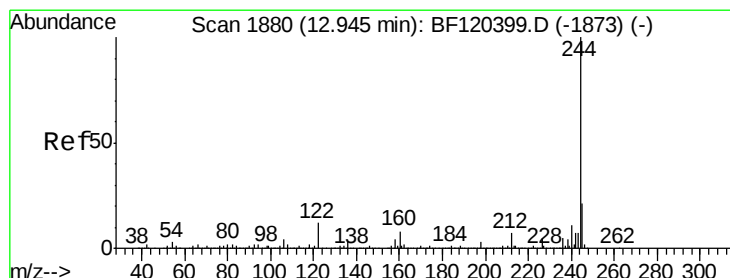
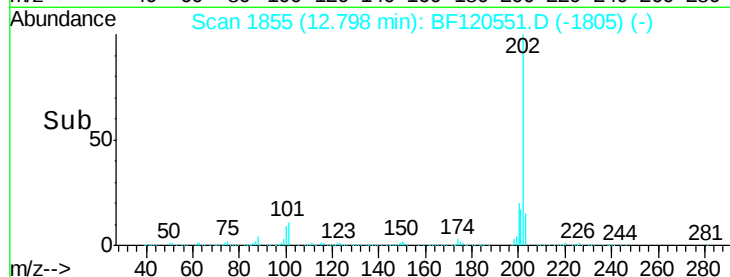
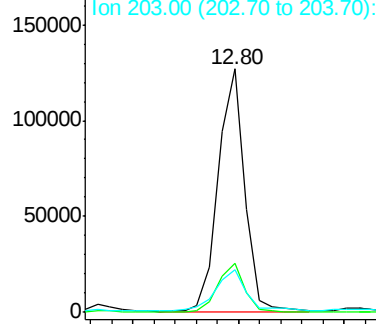
#78
Pvrene
Concen: 5.148 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	17.3	14.2	21.2

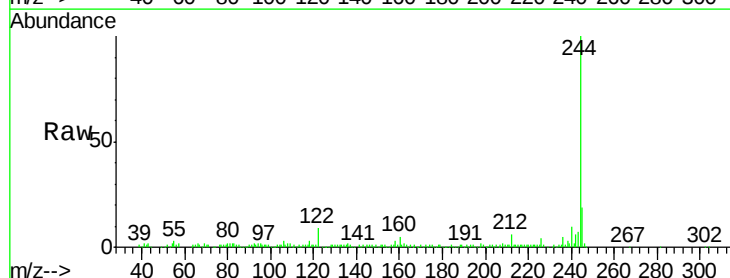


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

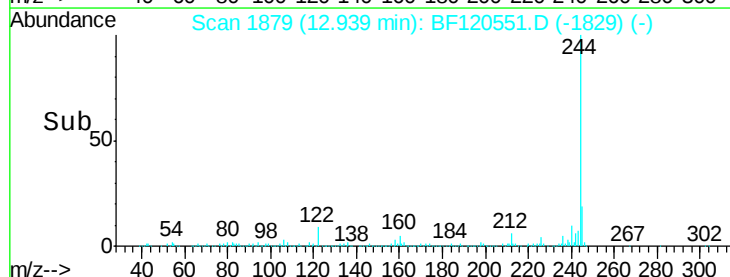
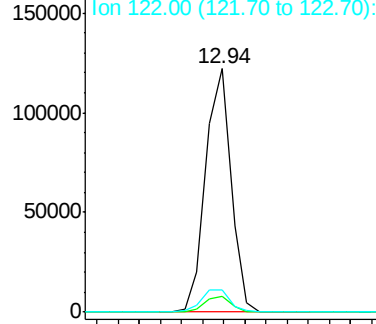


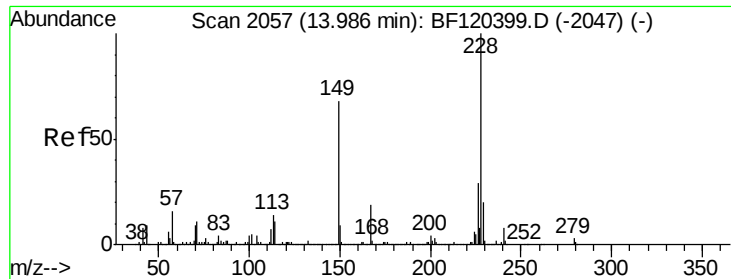
#79
Terphenyl-d14
Concen: 7.354 ng
RT: 12.94 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	9.4	8.0	12.0



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

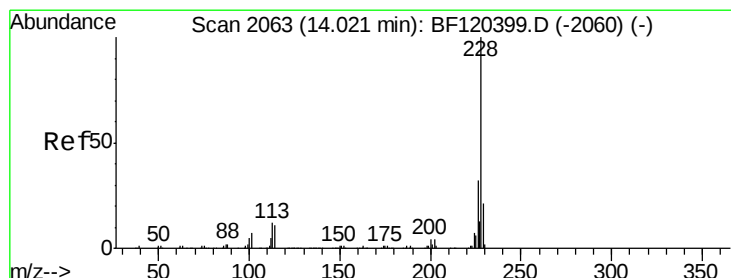
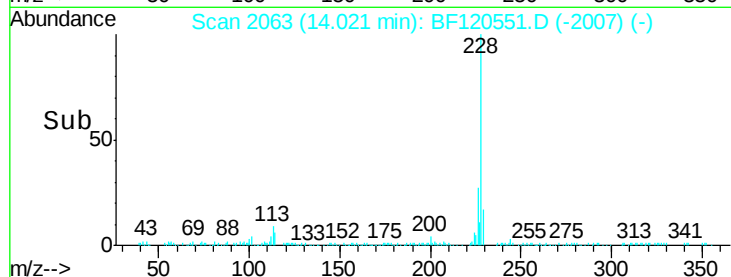
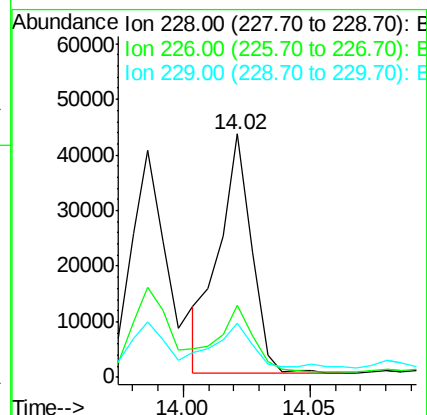
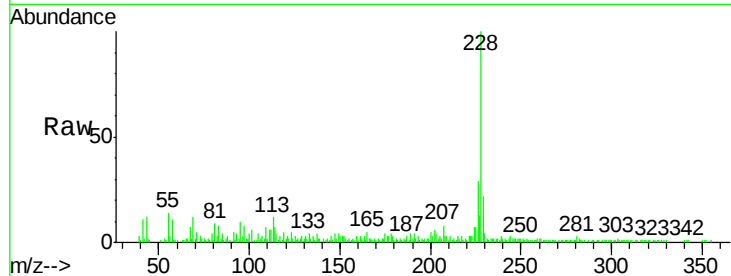




#81
Benzo(a)anthracene
Concen: 2.356 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.03 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

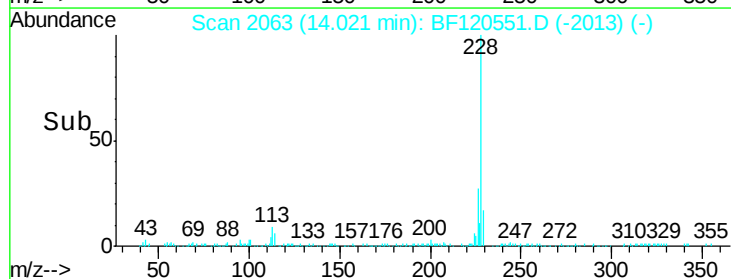
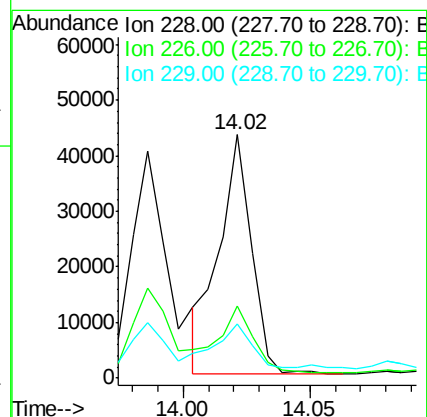
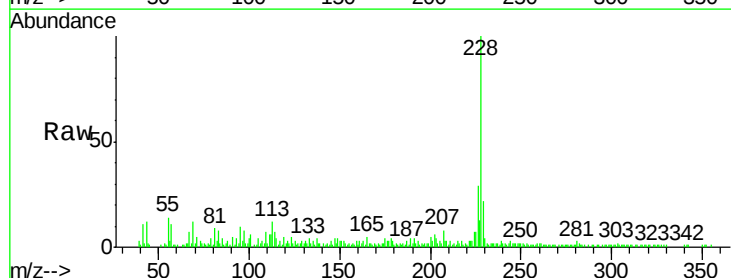
Instrument :
BNA_F
ClientSampleId :
CHRT27247

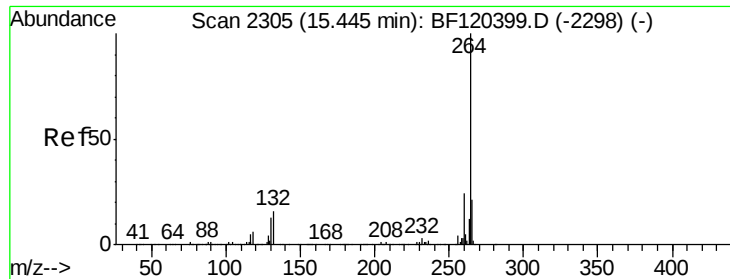
Tot Ion:228 Resp: 38727
Ion Ratio Lower Upper
228 100
226 29.4 22.4 33.6
229 22.2 16.2 24.2



#83
Chrysene
Concen: 2.247 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion:228 Resp: 38727
Ion Ratio Lower Upper
228 100
226 29.4 25.6 38.4
229 22.2 16.2 24.2

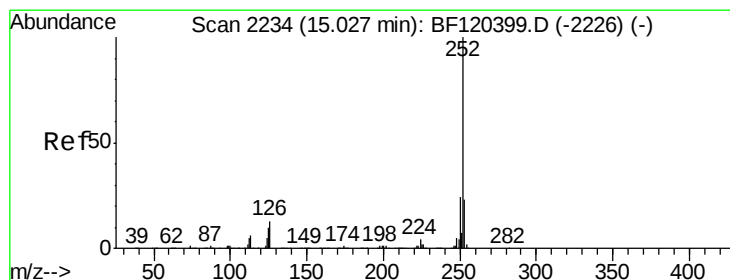
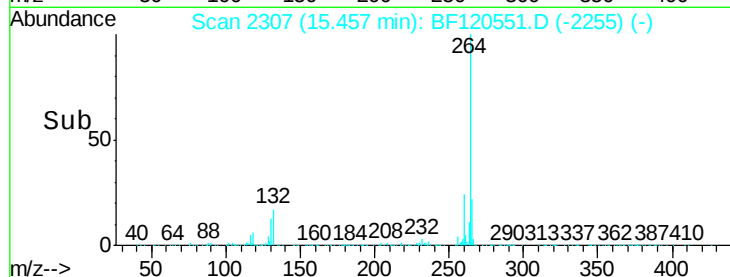
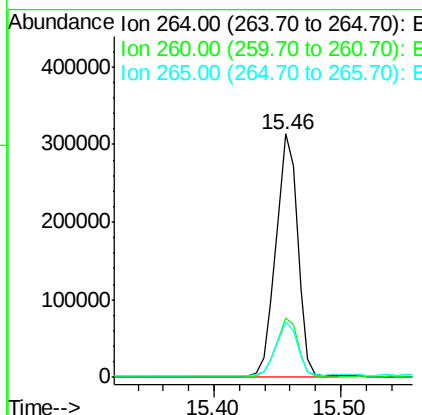
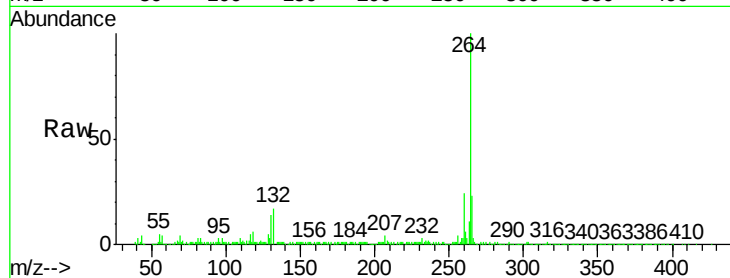




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2307
 Delta R.T. 0.01 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

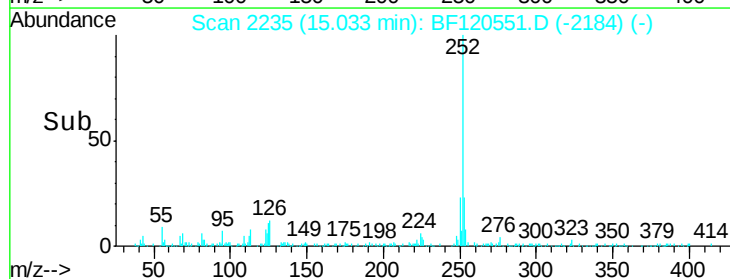
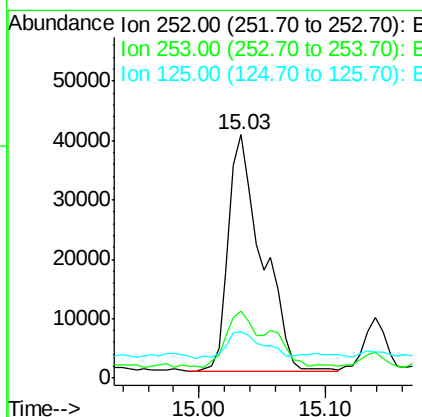
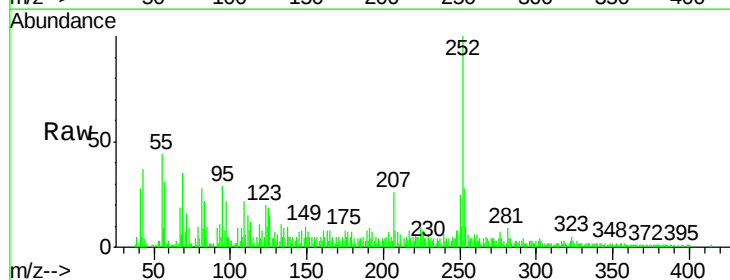
Instrument :
 BNA_F
 ClientSampleId :
 CHRT27247

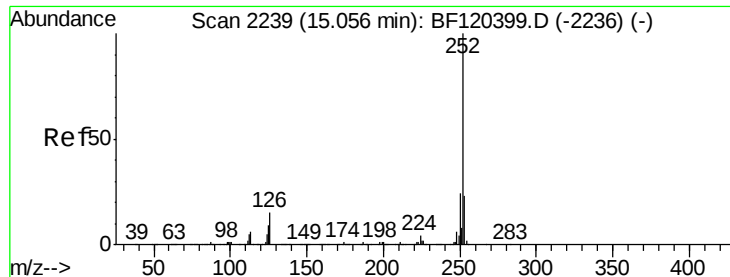
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.6	17.5	26.3



#88
 Benzo(b)fluoranthene
 Concen: 3.529 ng
 RT: 15.03 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: BF120551.D
 Acq: 4 Jun 2020 23:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.0	27.0#
125	18.8	8.3	12.5#

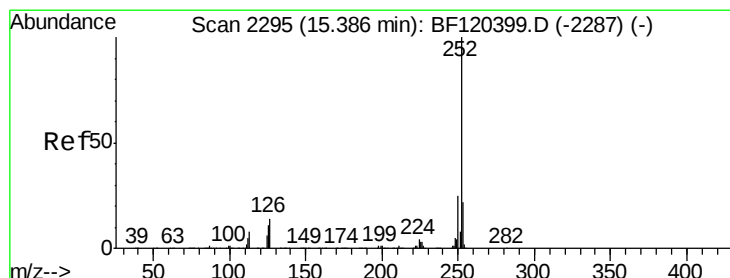
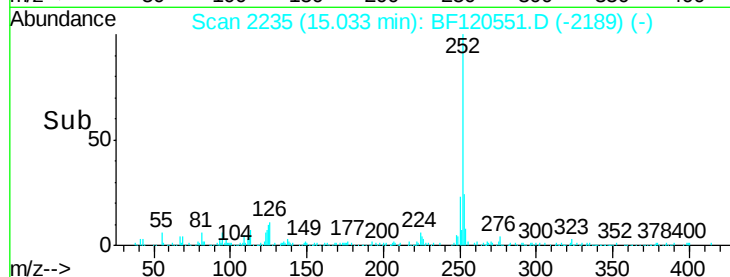
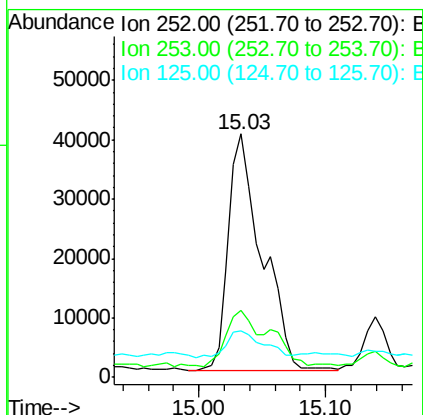
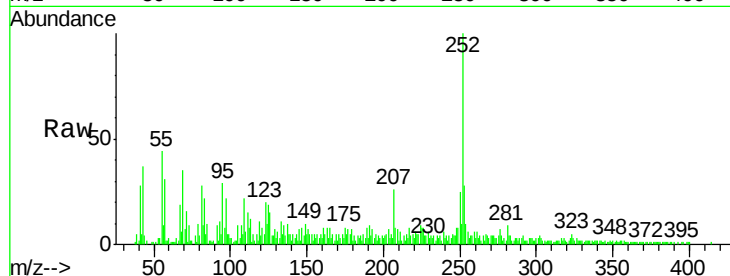




#89
Benzo(k)fluoranthene
Concen: 3.781 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Instrument :
BNA_F
ClientSampleId :
CHRT27247

Tot Ion:252 Resp: 72852
Ion Ratio Lower Upper
252 100
253 27.5 18.4 27.6
125 18.8 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 2.327 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120551.D
Acq: 4 Jun 2020 23:29

Tgt Ion:252 Resp: 42020
Ion Ratio Lower Upper
252 100
253 28.0 18.2 27.2#
125 18.8 9.6 14.4#

