

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
 Data File : BF120561.D
 Acq On : 5 Jun 2020 15:58
 Operator : JU/CG
 Sample : L2890-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11979-72-11969

Quant Time: Jun 05 17:23:32 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	128281	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	487118	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	228627	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	347464	20.00	ng	0.00
76) Chrysene-d12	13.98	240	275250	20.00	ng	0.00
86) Perylene-d12	15.43	264	271907	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	973063	144.56	ng	0.00
7) Phenol-d6	6.46	99	742996	89.55	ng	0.00
23) Nitrobenzene-d5	7.38	82	509684	68.44	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	193718	91.45	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	984362	73.05	ng	0.00
79) Terphenyl-d14	12.93	244	835771	67.57	ng	0.00

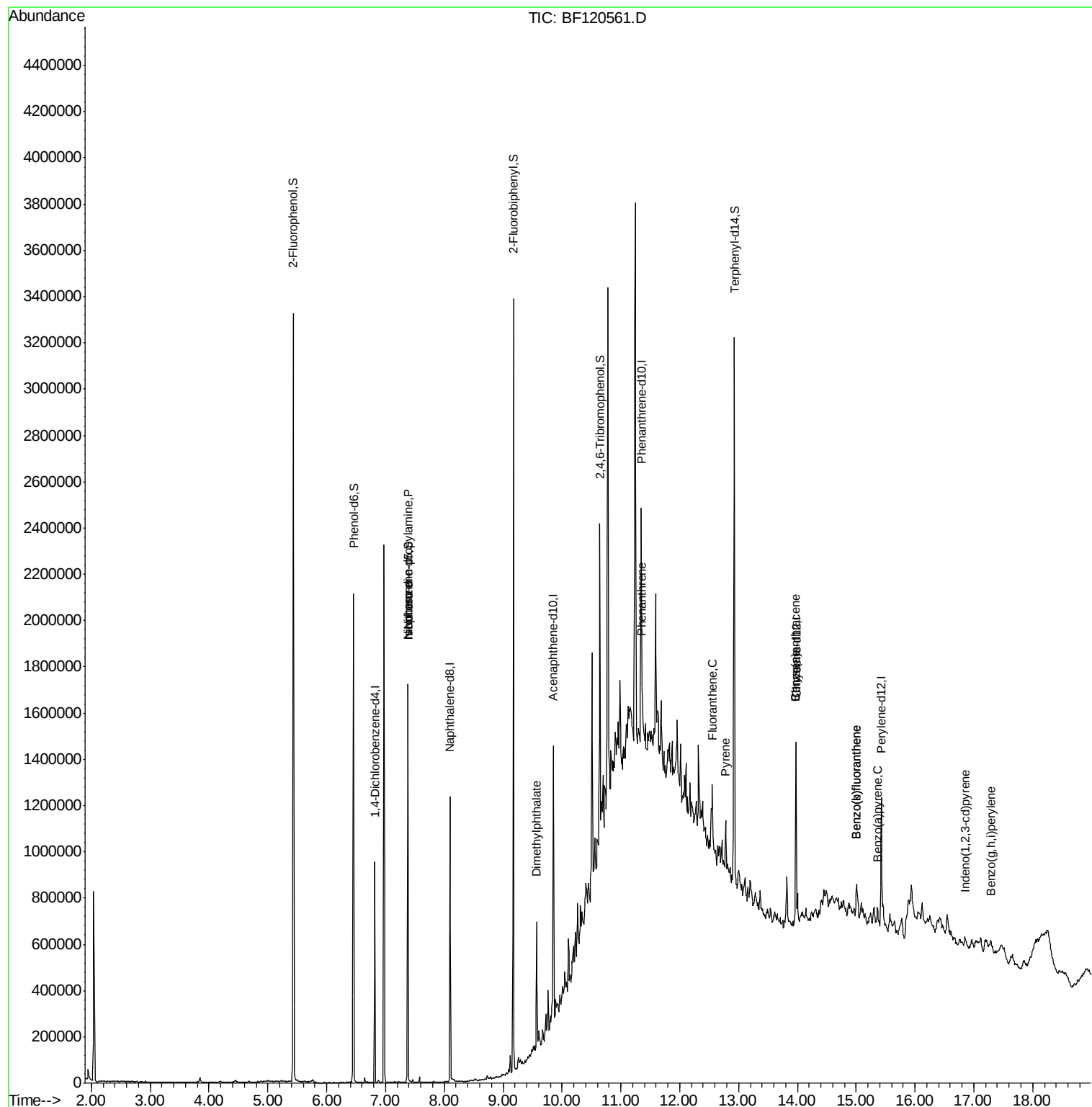
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	68446	12.978	ng	# 74
25) Isophorone	7.38	82	509678	34.053	ng	# 64
50) Dimethylphthalate	9.57	163	187761	13.136	ng	# 99
71) Phenanthrene	11.36	178	58400	3.814	ng	# 89
75) Fluoranthene	12.55	202	104211	6.326	ng	# 97
78) Pyrene	12.78	202	94721	4.948	ng	# 97
81) Benzo(a)anthracene	13.97	228	48989	3.321	ng	# 98
83) Chrysene	13.97	228	48989	3.168	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.86	276	34108	2.293	ng	# 97
88) Benzo(b)fluoranthene	15.00	252	85878	5.686	ng	# 75
89) Benzo(k)fluoranthene	15.00	252	85878	6.091	ng	# 75
90) Benzo(a)pyrene	15.36	252	41752	3.161	ng	# 78
92) Benzo(a,h,i)perylene	17.29	276	34454	2.881	ng	# 88

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

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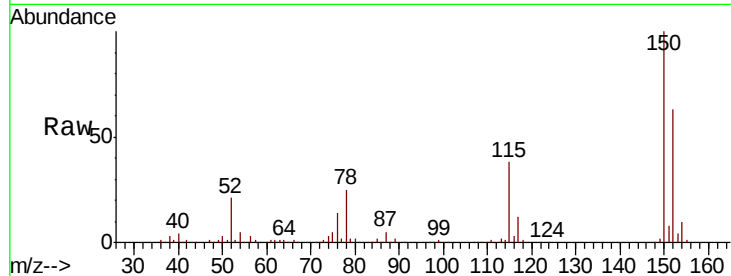


#1

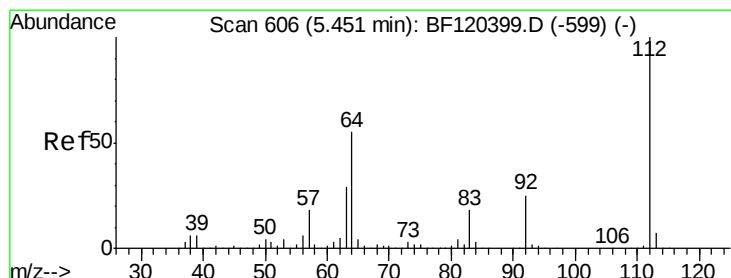
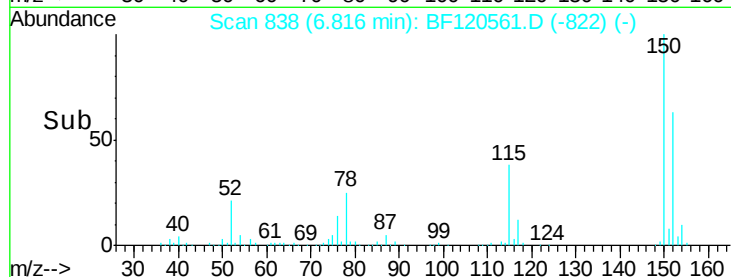
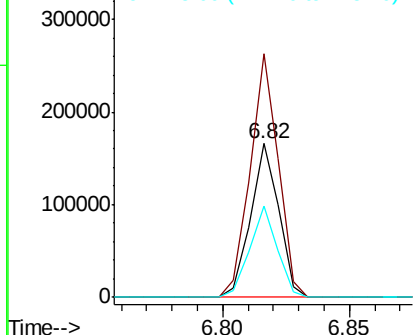
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

Instrument :
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ClientSampleId :
72-11979-72-11969

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.2	186.4
115	59.6	43.8	65.6



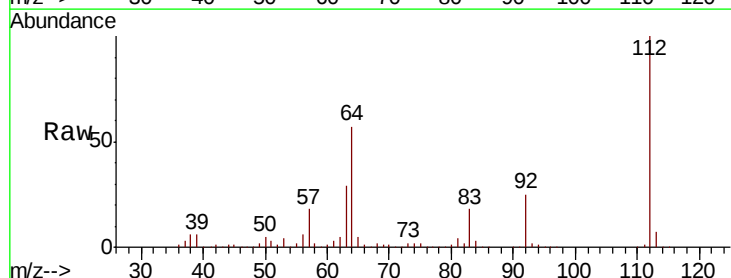
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



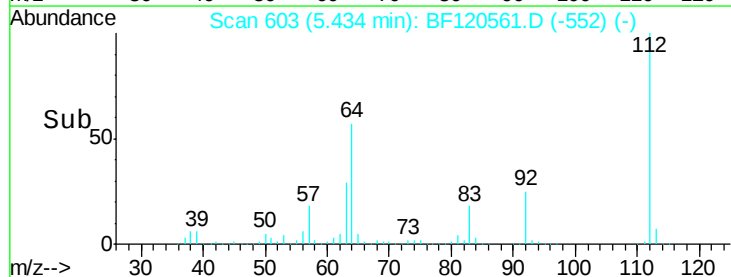
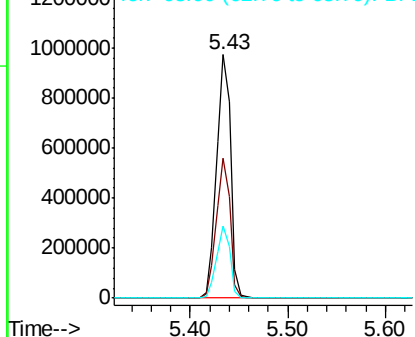
#5

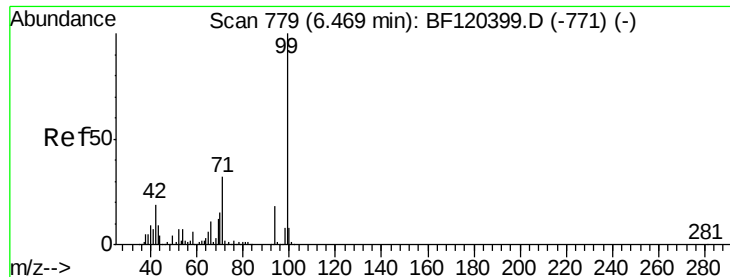
2-Fluorophenol
Concen: 144.559 ng
RT: 5.43 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.5	69.7
63	29.5	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: 89.552 ng

RT: 6.46 min Scan# 777

Delta R.T. 0.00 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

Instrument :

BNA_F

ClientSampleId :

72-11979-72-11969

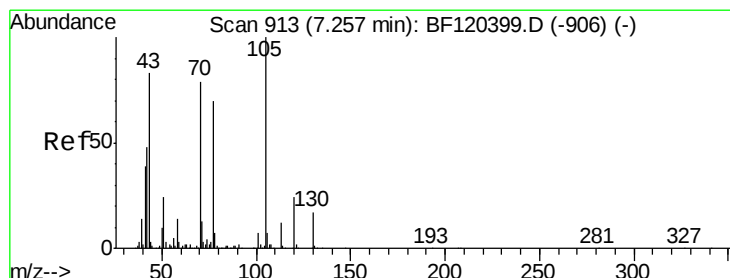
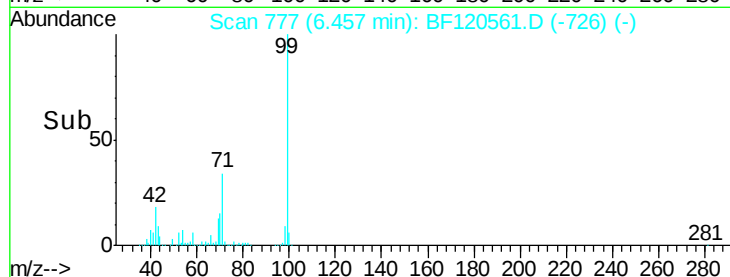
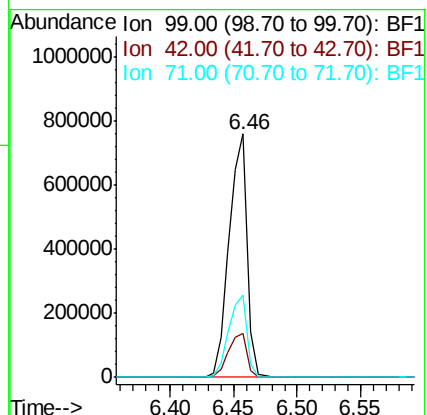
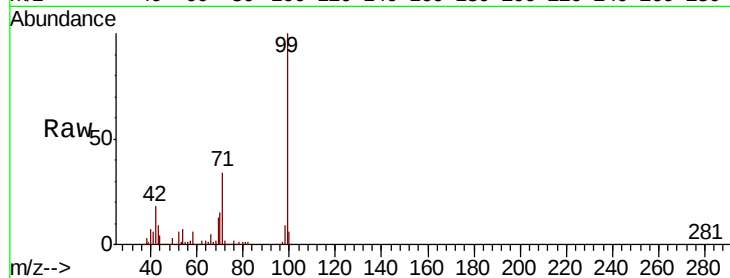
Tot Ion: 99 Resp: 742996

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

71 34.0 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.978 ng

RT: 7.38 min Scan# 934

Delta R.T. 0.15 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

Tgt Ion: 70 Resp: 68446

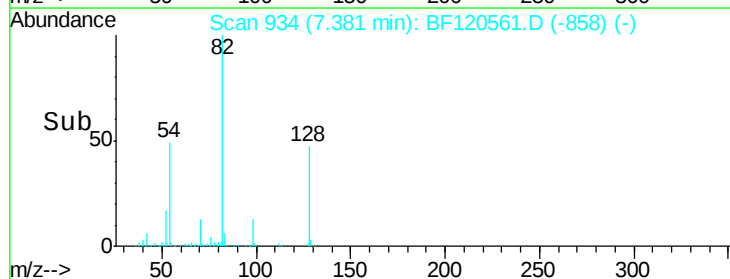
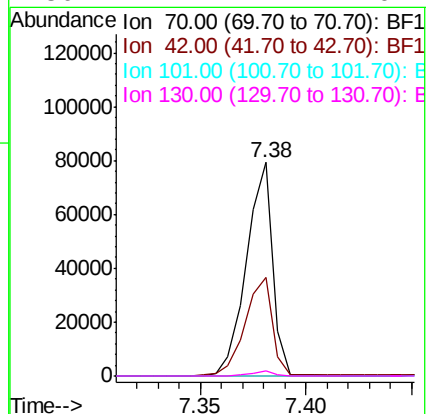
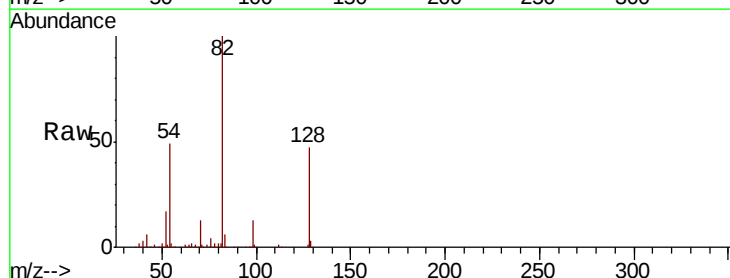
Ion Ratio Lower Upper

70 100

42 46.1 49.1 73.7#

101 0.0 7.7 11.5#

130 2.4 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

Instrument :

BNA_F

ClientSampleId :

72-11979-72-11969

Tot Ion:136 Resp: 487118

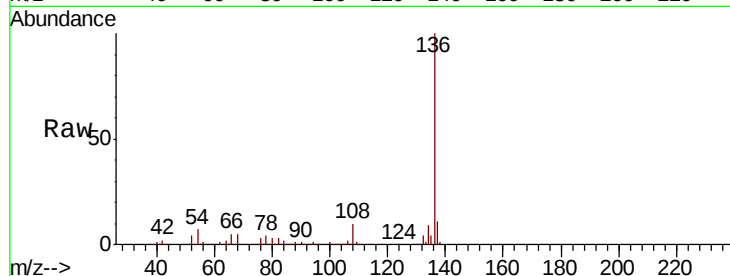
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.2 5.1 7.7

68 5.4 4.0 6.0

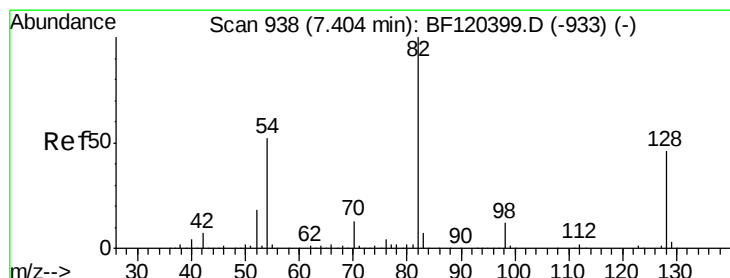
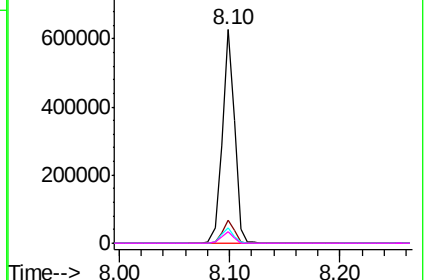
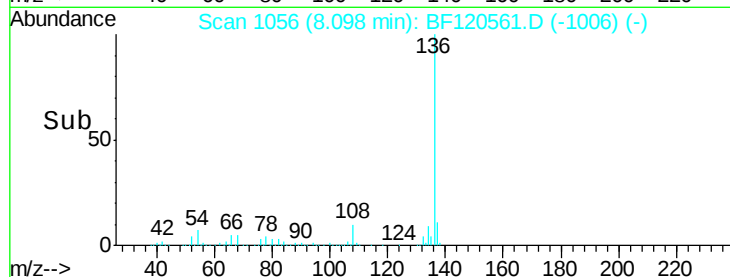


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.443 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

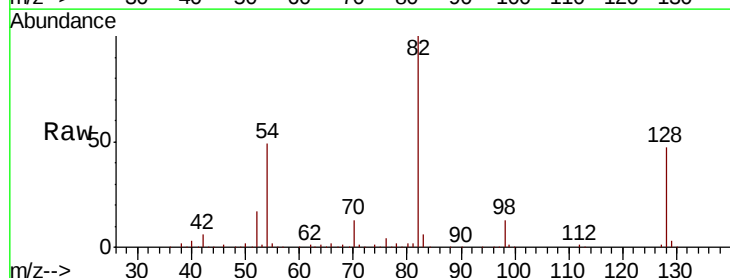
Tgt Ion: 82 Resp: 509684

Ion Ratio Lower Upper

82 100

128 47.0 38.6 57.8

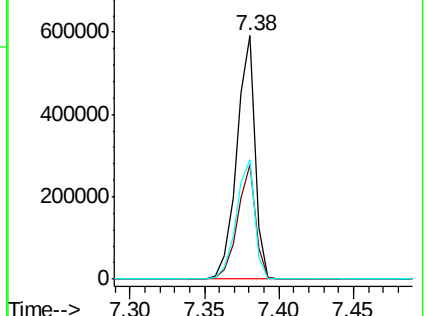
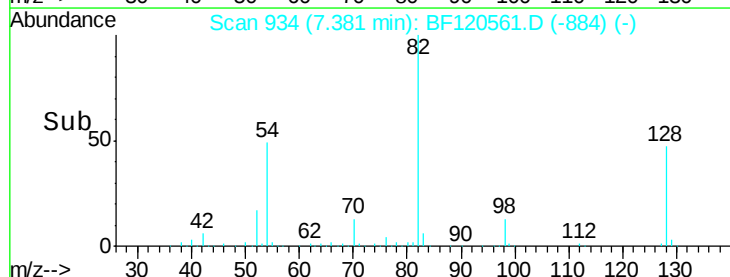
54 49.1 39.5 59.3



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

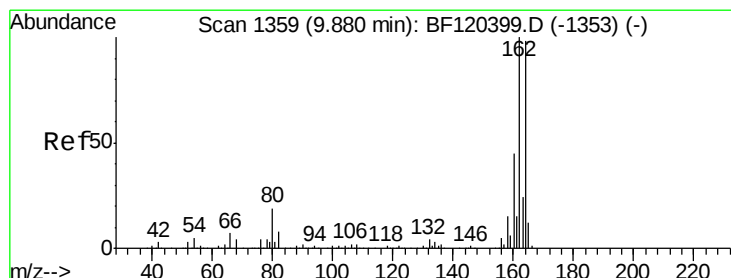
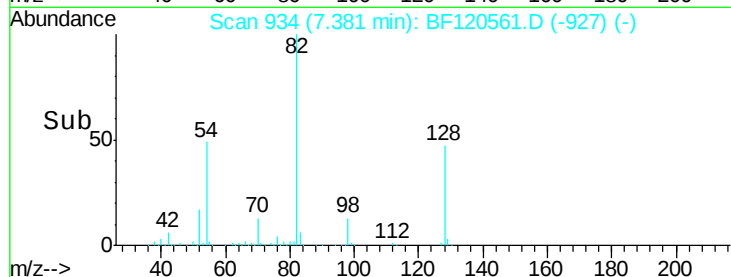
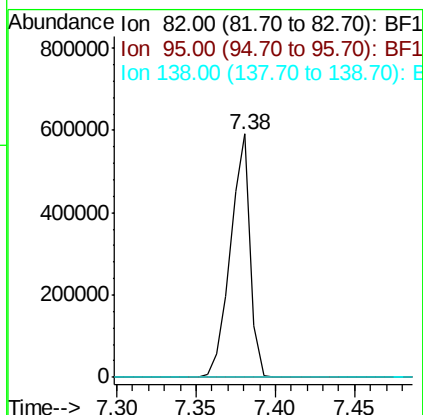
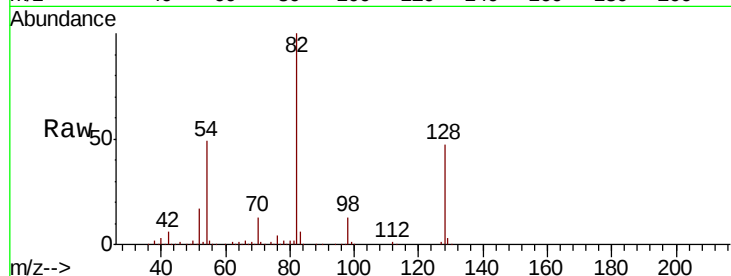




#25
Isophorone
Concen: 34.053 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.26 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

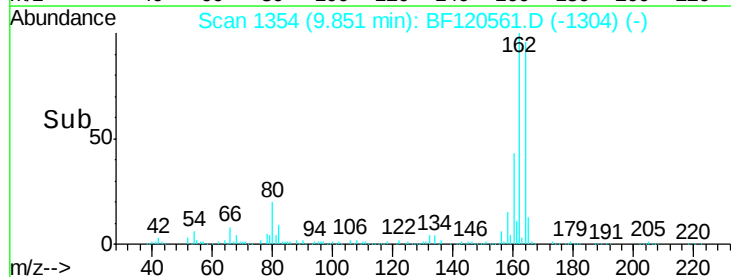
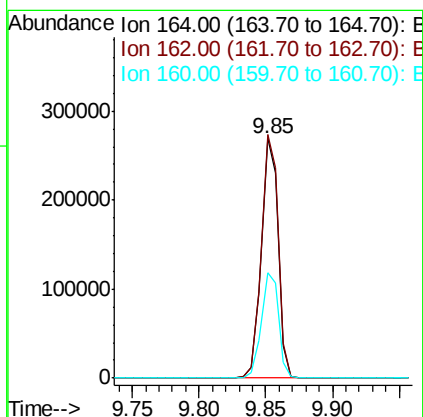
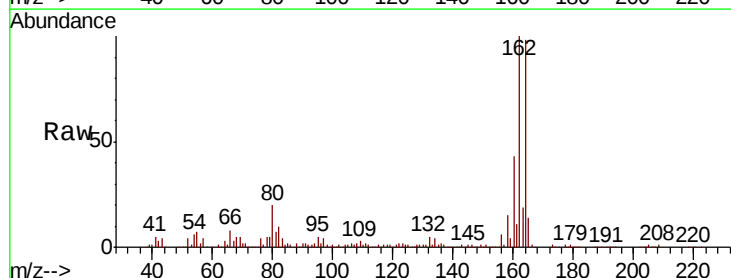
Instrument :
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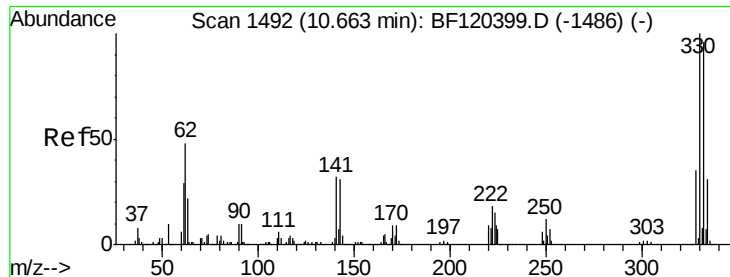
Tot Ion: 82 Resp: 509678
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

Tgt Ion: 164 Resp: 228627
Ion Ratio Lower Upper
164 100
162 101.6 80.3 120.5
160 44.0 36.6 54.8

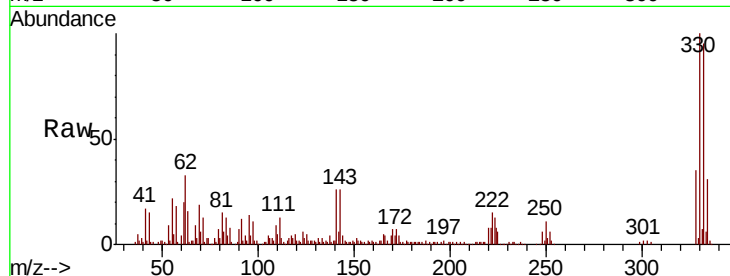




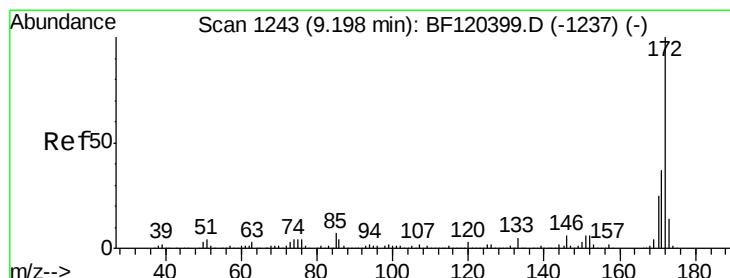
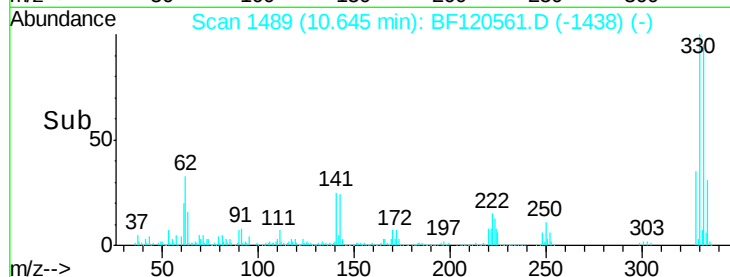
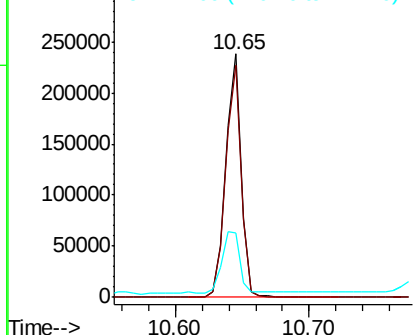
#42
 2,4,6-Tribromophenol
 Concen: 91.448 ng
 RT: 10.65 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: BF120561.D
 Acq: 5 Jun 2020 15:58

Instrument :
 BNA_F
 ClientSampleId :
 72-11979-72-11969

Tot Ion:330 Resp: 193718
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.7 115.1
 141 31.2 23.9 35.9

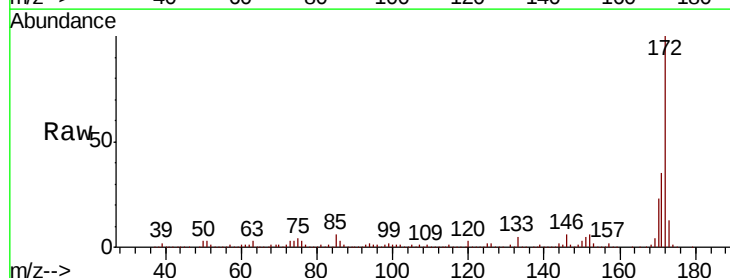


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

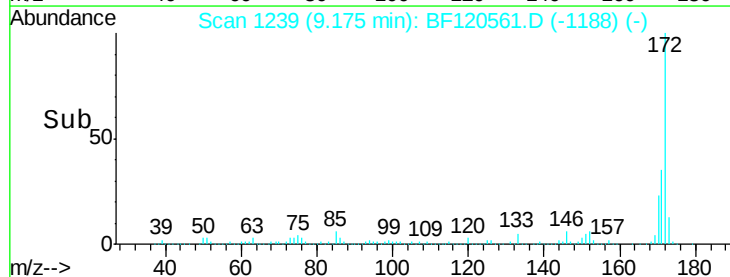
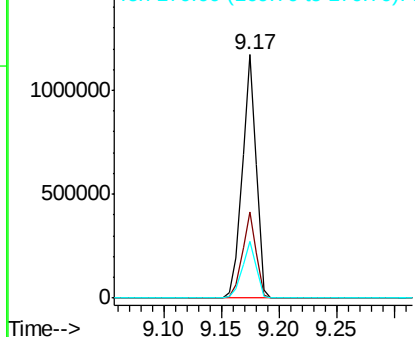


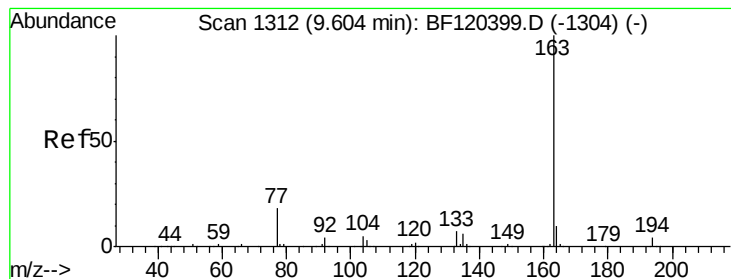
#45
 2-Fluorobiphenyl
 Concen: 73.052 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: BF120561.D
 Acq: 5 Jun 2020 15:58

Tgt Ion:172 Resp: 984362
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.4 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: 13.136 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

Instrument :

BNA_F

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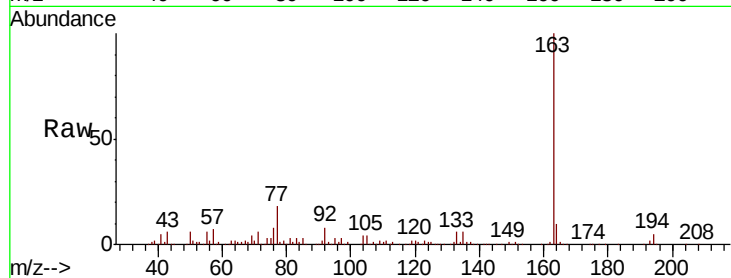
Tot Ion:163 Resp: 187761

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

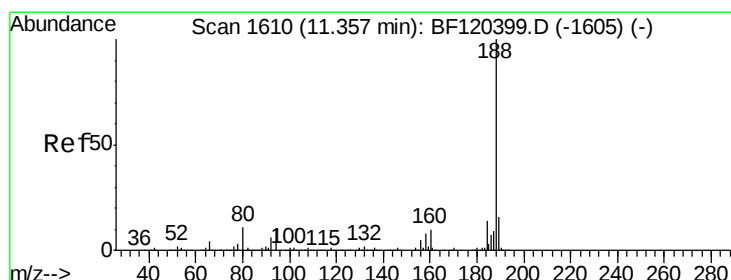
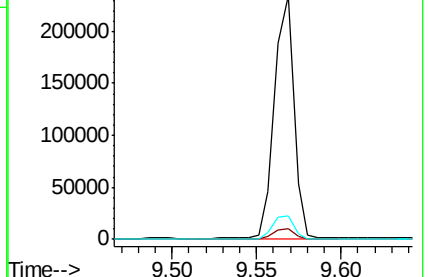
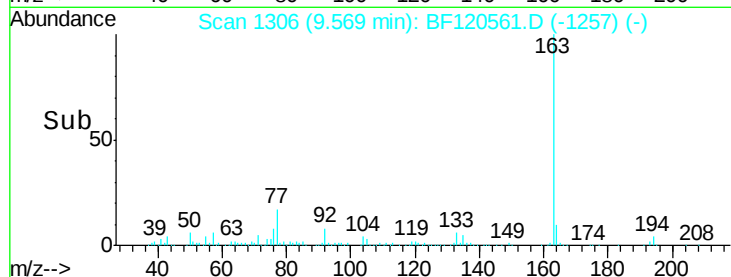
164 9.7 7.8 11.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

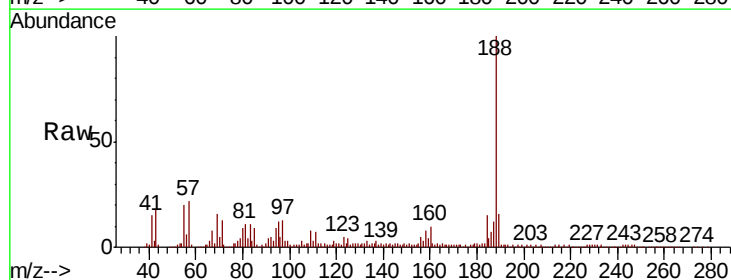
Tgt Ion:188 Resp: 347464

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

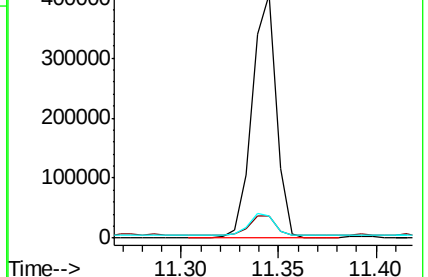
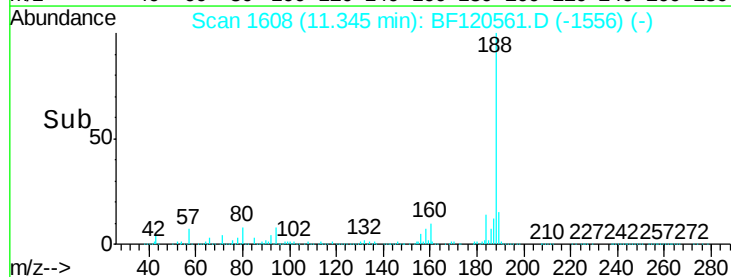
80 9.1 7.4 11.0

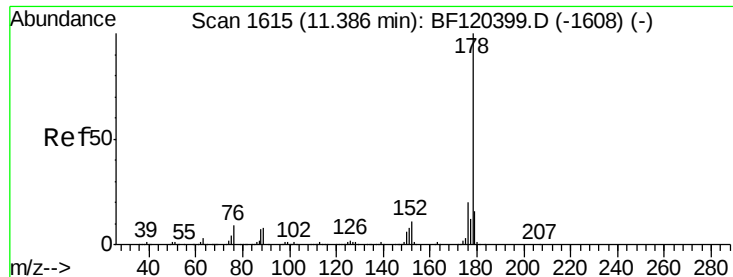


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 3.814 ng

RT: 11.36 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

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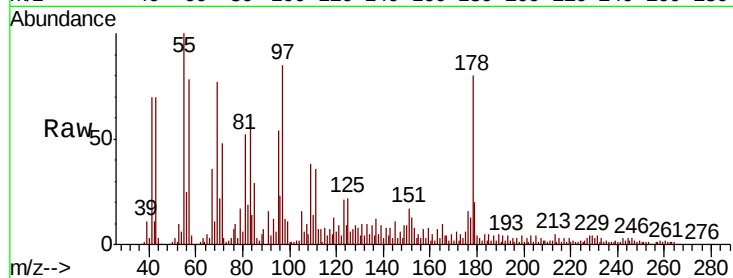
Tot Ion:178 Resp: 58400

Ion Ratio Lower Upper

178 100

176 20.0 15.7 23.5

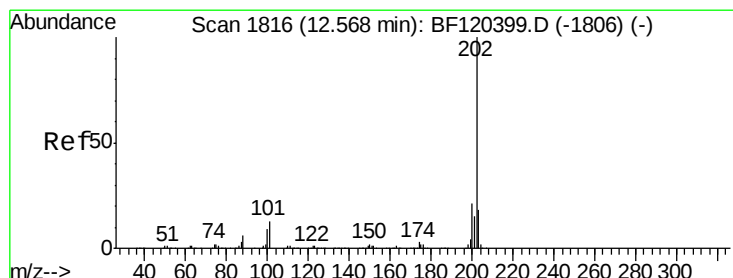
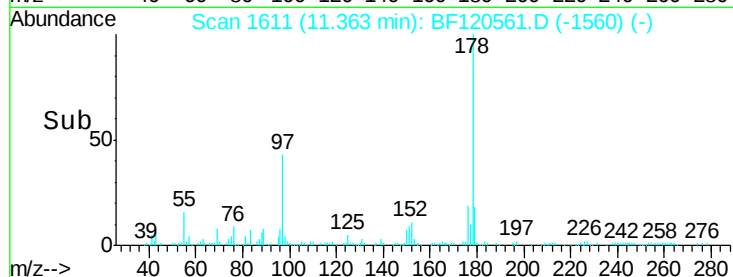
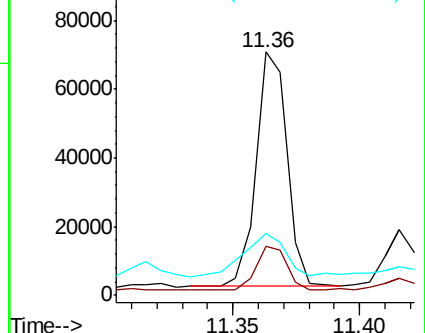
179 25.2 12.5 18.7#



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: 6.326 ng

RT: 12.55 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

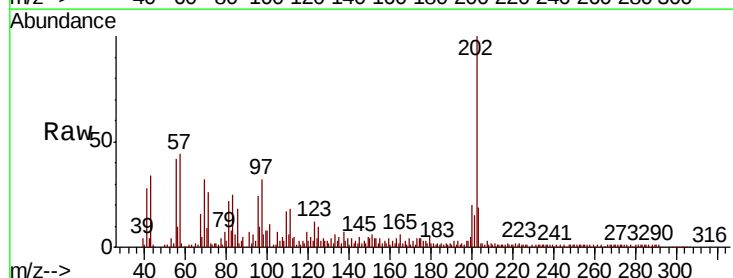
Tgt Ion:202 Resp: 104211

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.2

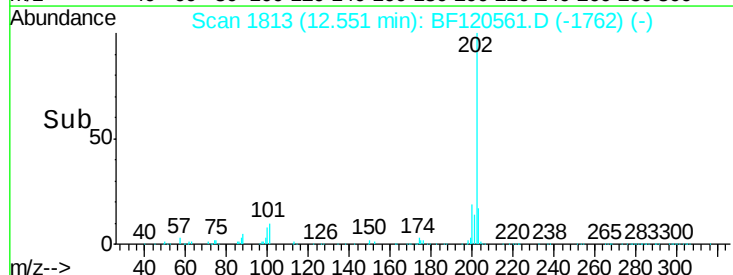
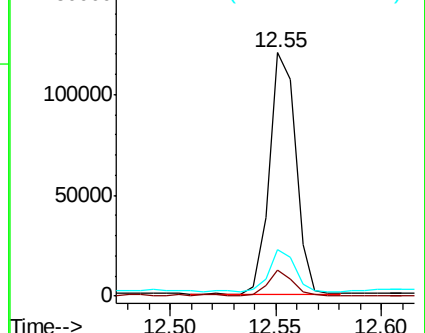
203 19.1 0.0 38.4

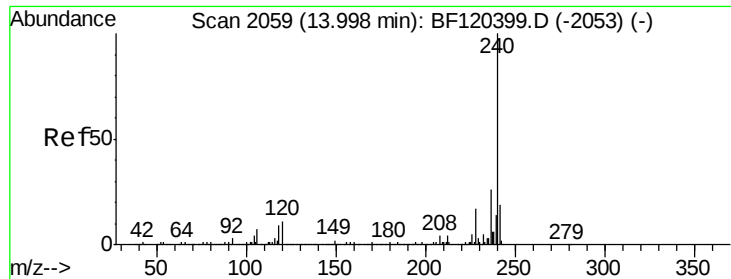


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

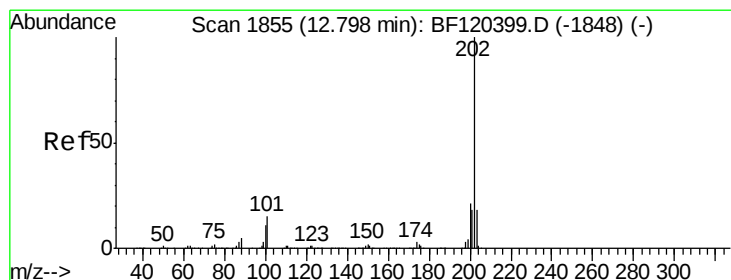
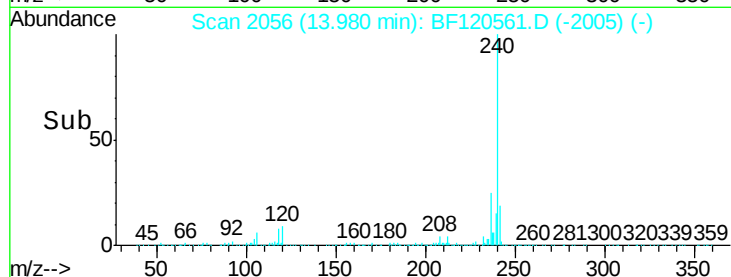
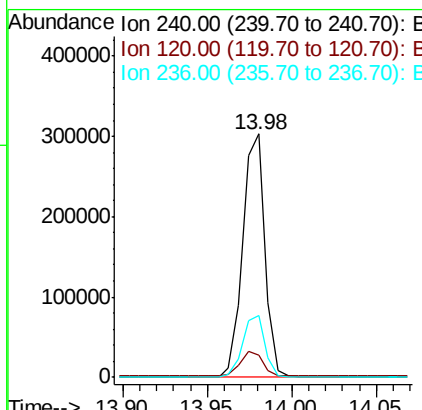
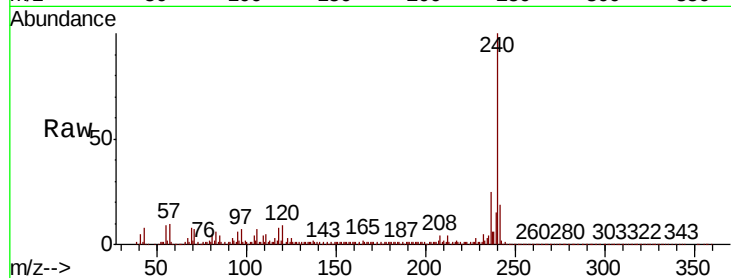




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

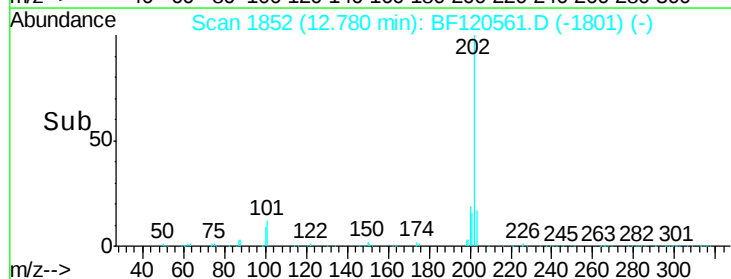
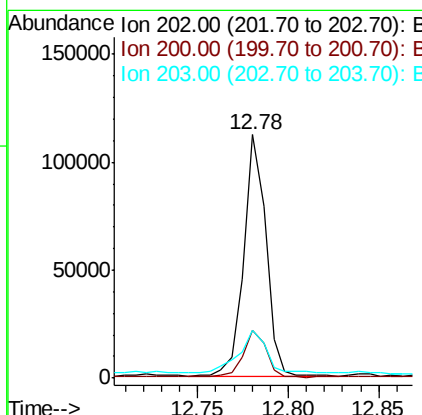
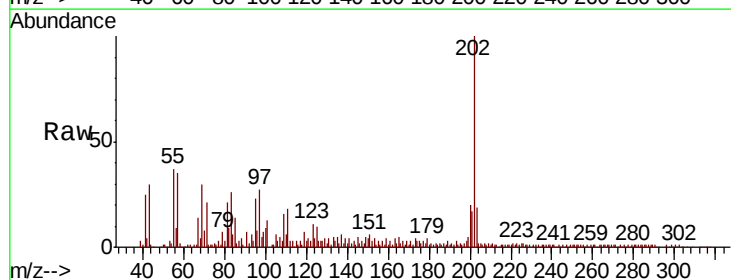
Instrument :
BNA_F
ClientSampleId :
72-11979-72-11969

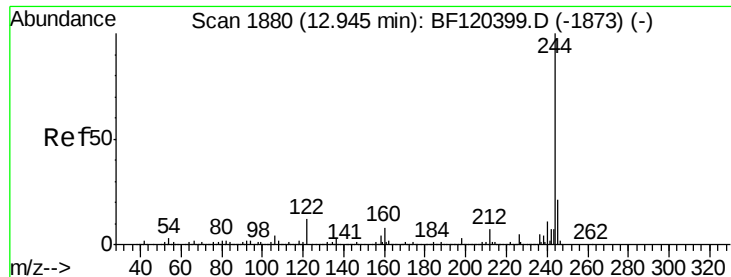
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.1	13.7
236	25.5	21.3	31.9



#78
Pyrene
Concen: 4.948 ng
RT: 12.78 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	24.8
203	19.4	14.4	21.6





#79

Terphenyl-d14

Concen: 67.567 ng

RT: 12.93 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

Instrument :

BNA_F

ClientSampleId :

72-11979-72-11969

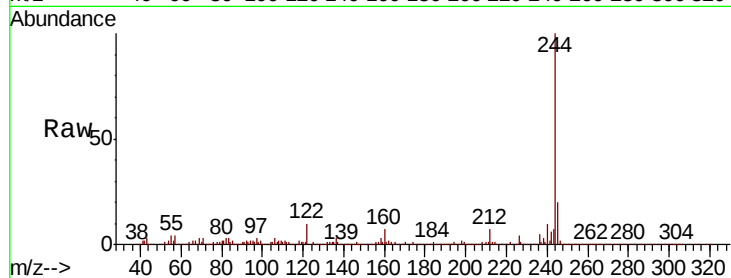
Tot Ion:244 Resp: 835771

Ion Ratio Lower Upper

244 100

212 6.8 5.3 7.9

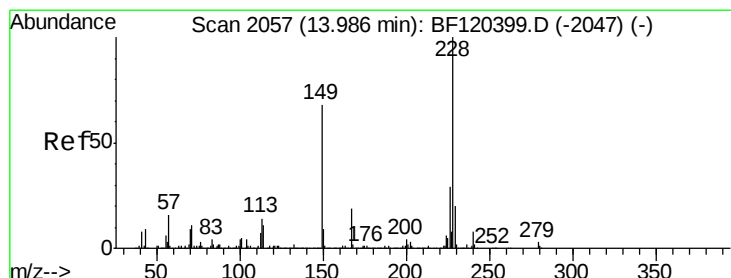
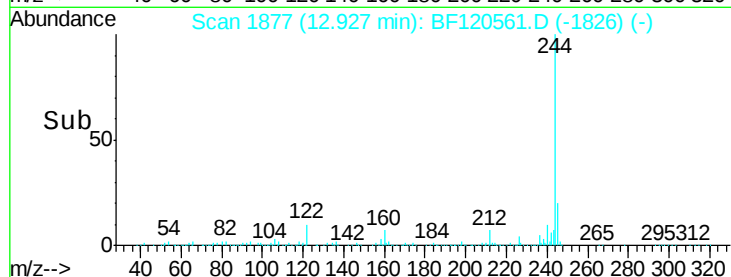
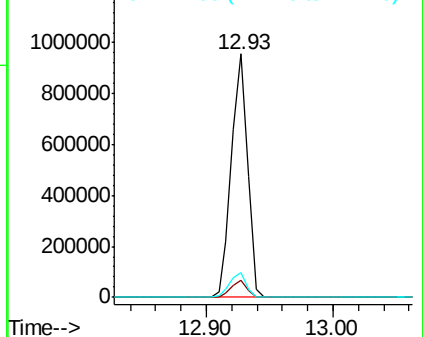
122 10.1 8.4 12.6



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: 3.321 ng

RT: 13.97 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

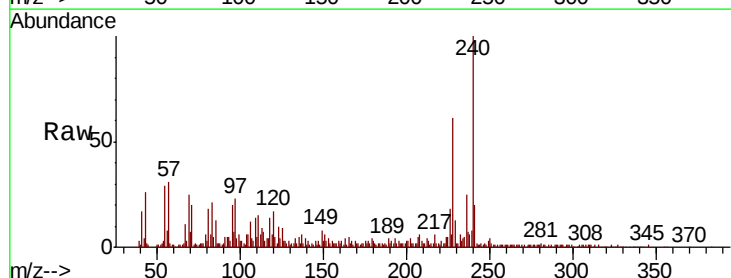
Tgt Ion:228 Resp: 48989

Ion Ratio Lower Upper

228 100

226 29.4 22.7 34.1

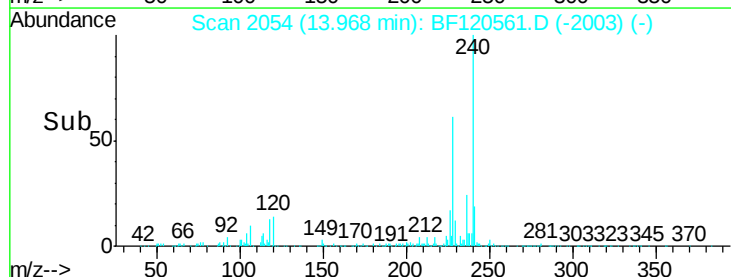
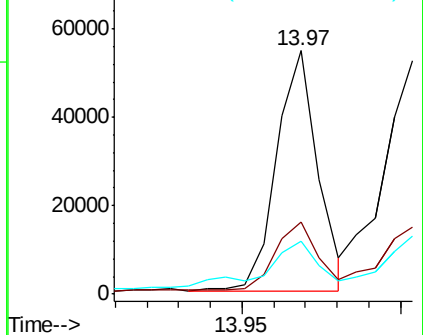
229 21.6 16.2 24.4

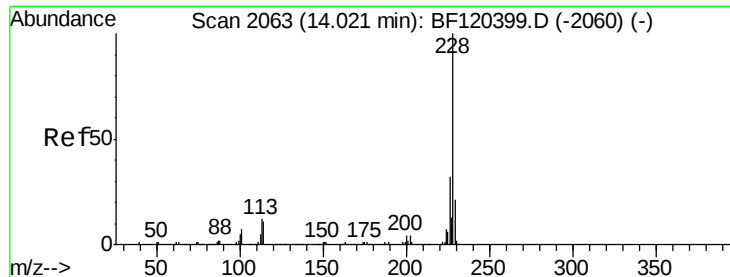


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

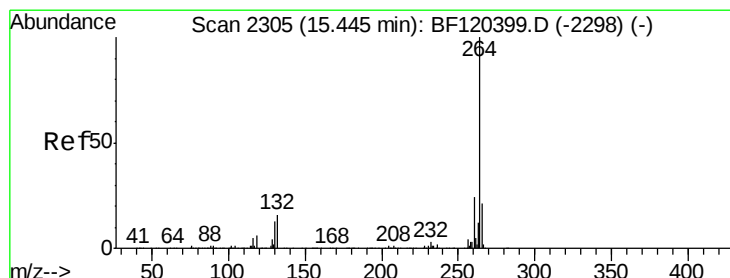
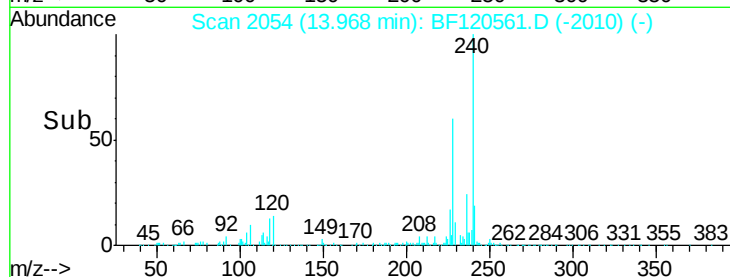
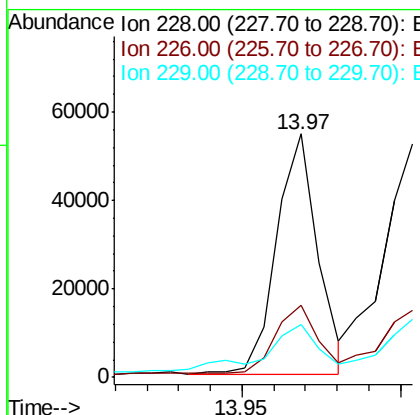
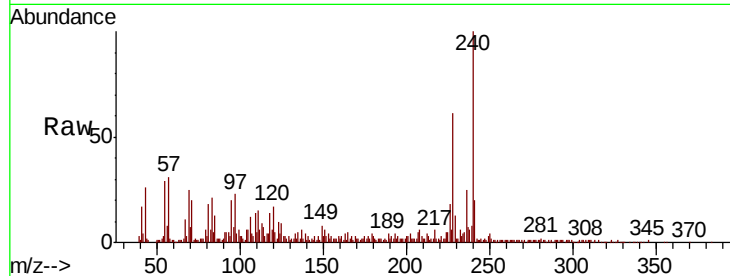




#83
Chrysene
Concen: 3.168 ng
RT: 13.97 min Scan# 2054
Delta R.T. -0.04 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

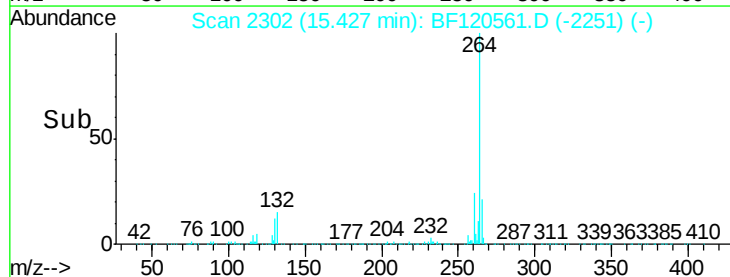
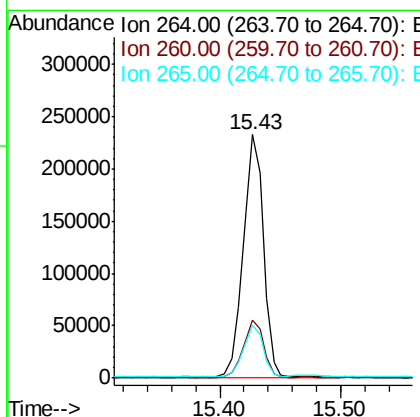
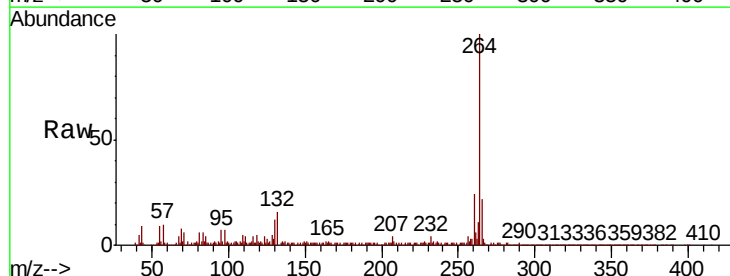
Instrument :
BNA_F
ClientSampleId :
72-11979-72-11969

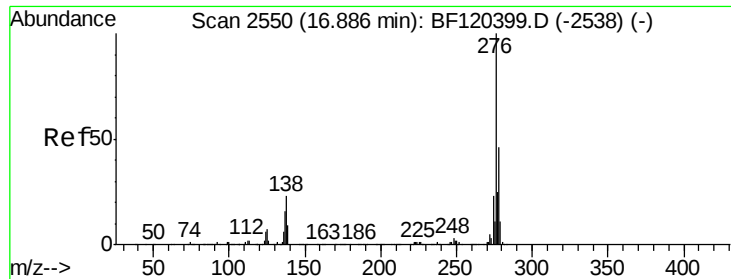
Tot Ion:228 Resp: 48989
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 21.6 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

Tgt Ion:264 Resp: 271907
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 21.9 17.2 25.8

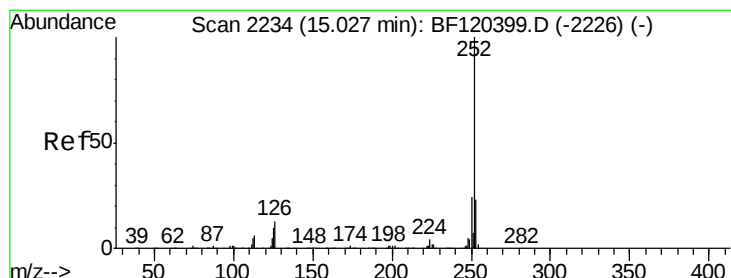
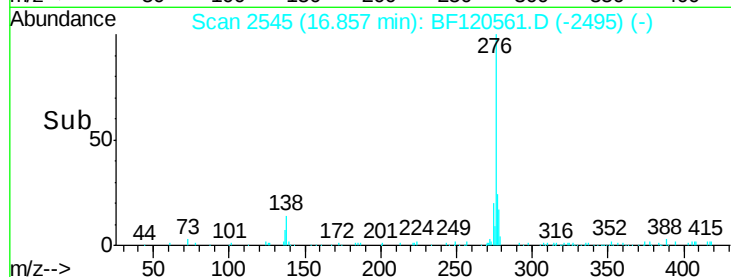
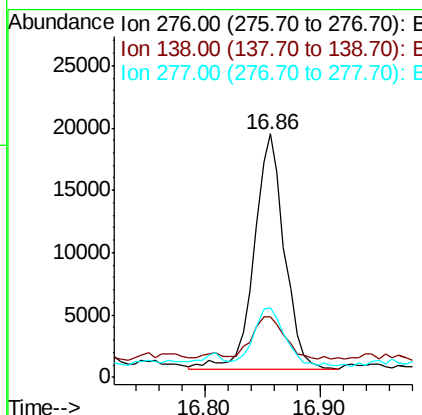
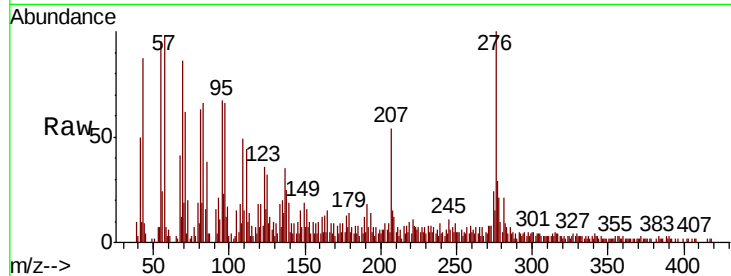




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.293 ng
 RT: 16.86 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BF120561.D
 Acq: 5 Jun 2020 15:58

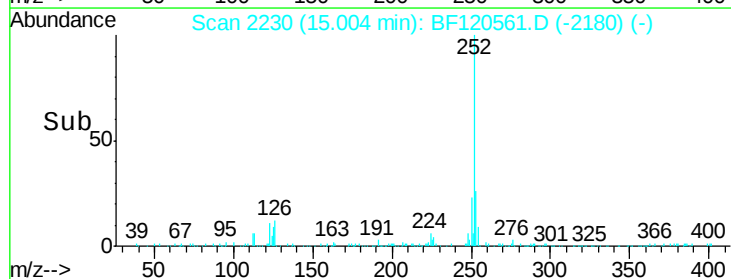
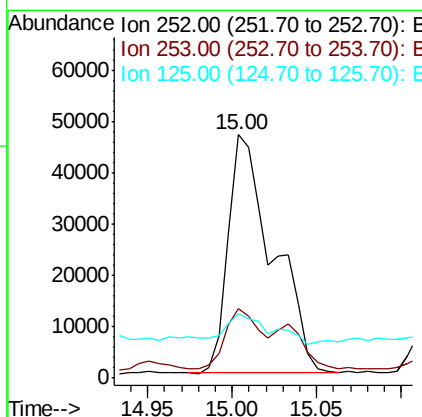
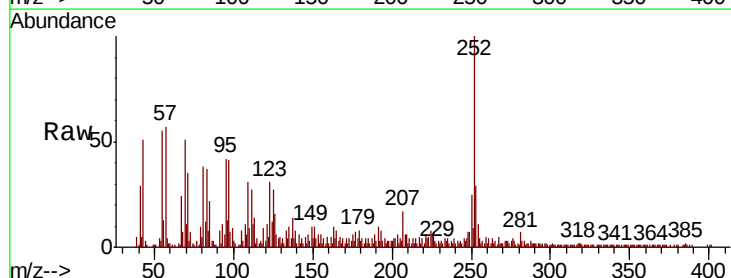
Instrument :
 BNA_F
 ClientSampleId :
 72-11979-72-11969

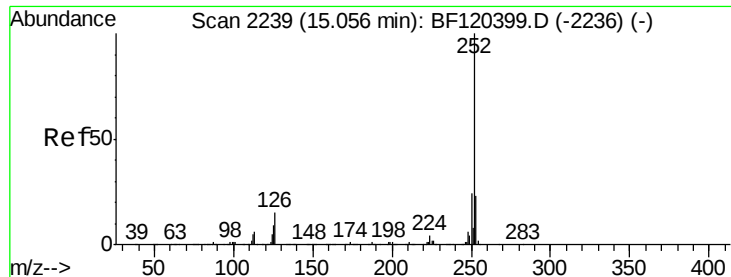
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	17.8	26.8
277	25.5	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 5.686 ng
 RT: 15.00 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF120561.D
 Acq: 5 Jun 2020 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.2	25.8#
125	26.6	6.7	10.1#

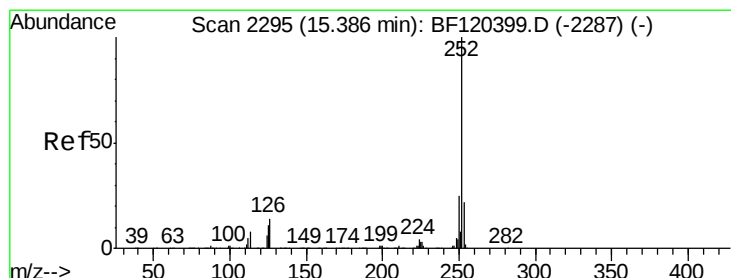
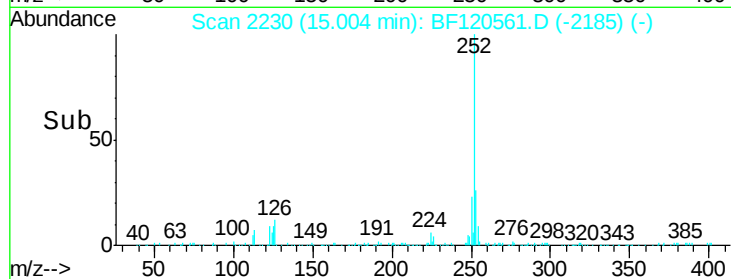
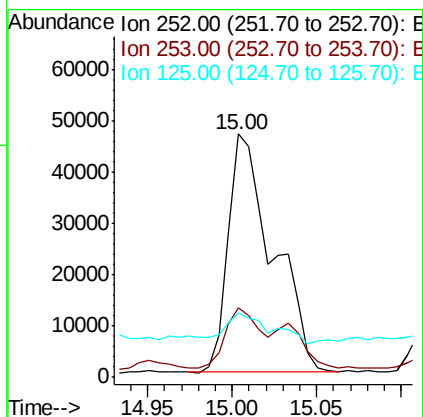
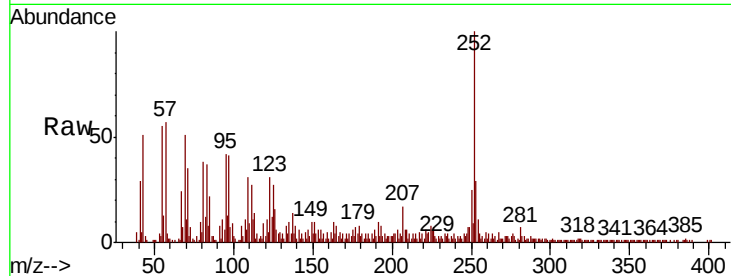




#89
Benzo(k)fluoranthene
Concen: 6.091 ng
RT: 15.00 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

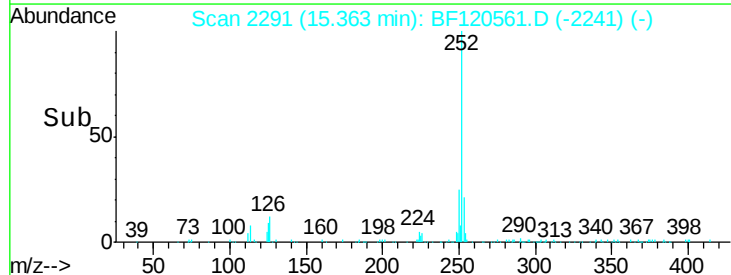
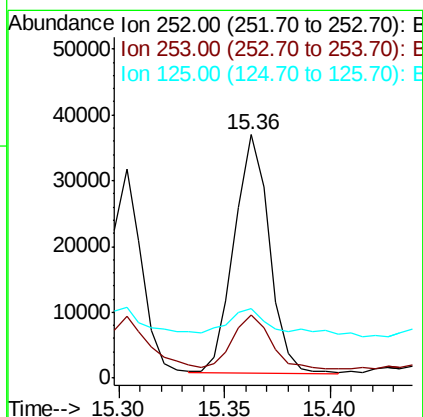
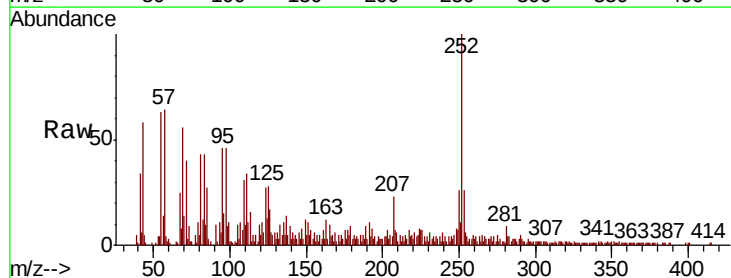
Instrument :
BNA_F
ClientSampleId :
72-11979-72-11969

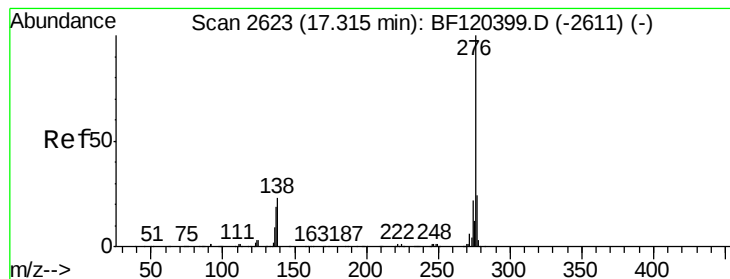
Tot Ion:252 Resp: 85878
Ion Ratio Lower Upper
252 100
253 28.5 17.4 26.0#
125 26.6 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 3.161 ng
RT: 15.36 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF120561.D
Acq: 5 Jun 2020 15:58

Tgt Ion:252 Resp: 41752
Ion Ratio Lower Upper
252 100
253 25.8 17.4 26.0
125 28.4 7.8 11.8#





#92

Benzo(a,h,i)perylene

Concen: 2.881 ng

RT: 17.29 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF120561.D

Acq: 5 Jun 2020 15:58

Instrument :

BNA_F

ClientSampleId :

72-11979-72-11969

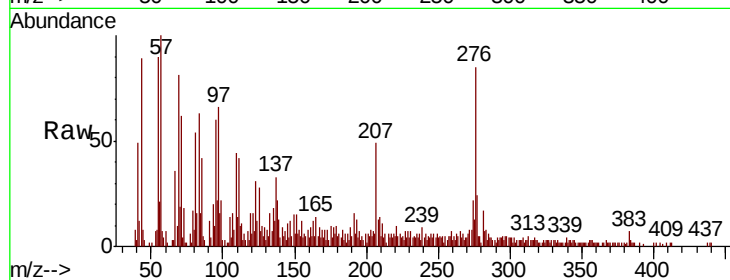
Tot Ion:276 Resp: 34454

Ion Ratio Lower Upper

276 100

277 28.2 18.8 28.2

138 25.8 15.4 23.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

