

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042720\
 Data File : BF120221.D
 Acq On : 27 Apr 2020 16:16
 Operator : MA/SJ
 Sample : L2422-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUCK-ISLAND-ROLLOFF

Quant Time: Apr 27 16:53:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 27 12:17:15 2020
 Response via : Initial Calibration

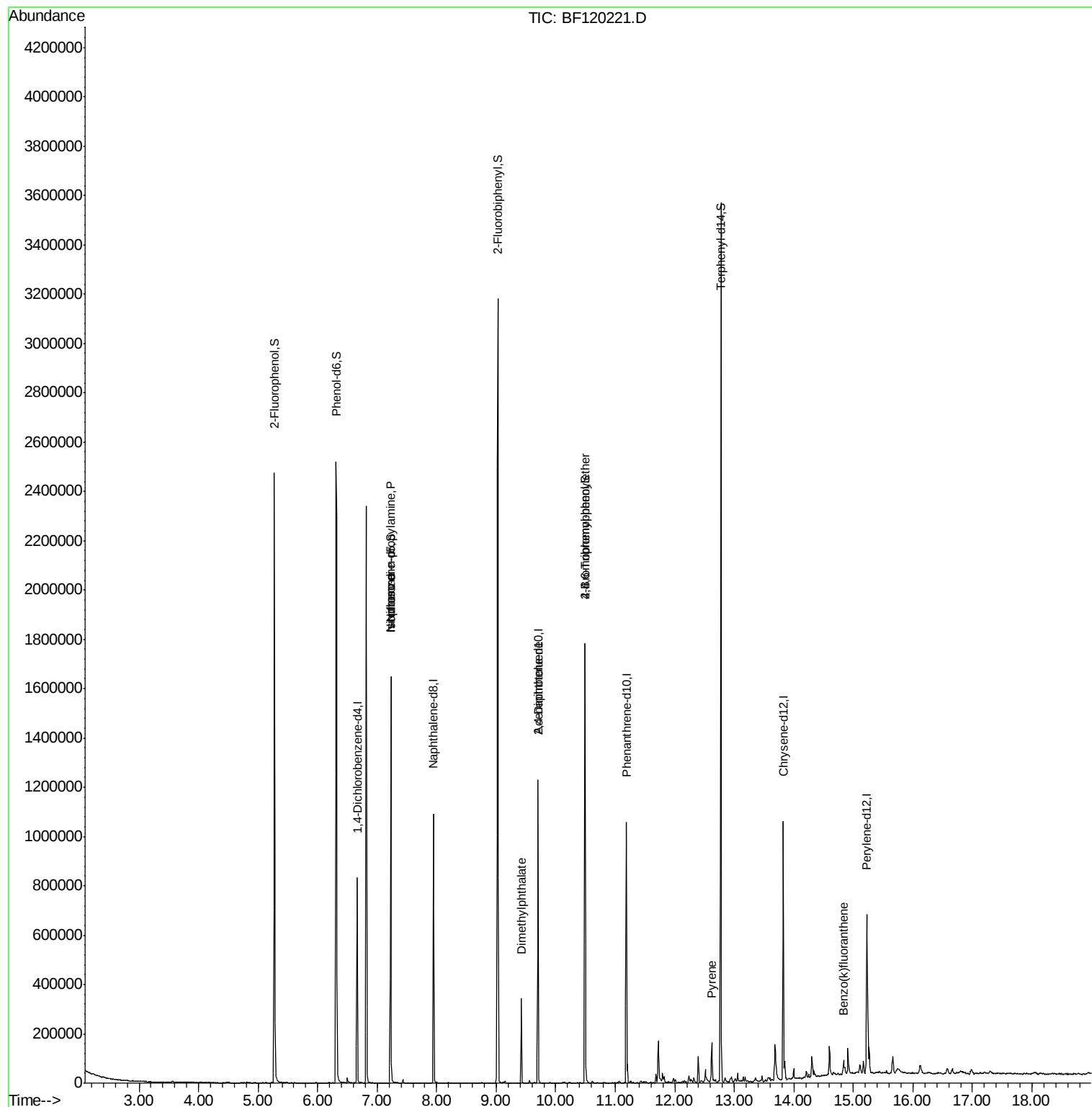
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	120267	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	456396	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	238068	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	407501	20.00	ng	0.00
76) Chrysene-d12	13.82	240	326183	20.00	ng	-0.02
87) Perylene-d12	15.23	264	277027	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	644776	92.65	ng	0.00
7) Phenol-d6	6.31	99	867521	96.74	ng	-0.02
23) Nitrobenzene-d5	7.23	82	488319	55.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	208761	71.62	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	972232	57.98	ng	0.00
79) Terphenyl-d14	12.77	244	1217150	62.79	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.31	77	940	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	62919	10.911 ng	#	78
25) Isophorone	7.23	82	488316	28.714 ng	#	65
50) Dimethylphthalate	9.42	163	121904	6.620 ng		99
57) 2,4-Dinitrotoluene	9.70	165	30247	5.693 ng	#	20
67) 4-Bromophenyl-phenylether	10.49	248	13795	2.722 ng	#	1
78) Pyrene	12.62	202	65497	2.382 ng		96
89) Benzo(k)fluoranthene	14.83	252	36544	2.125 ng		98

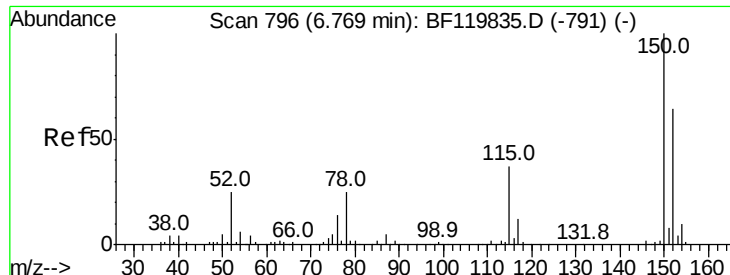
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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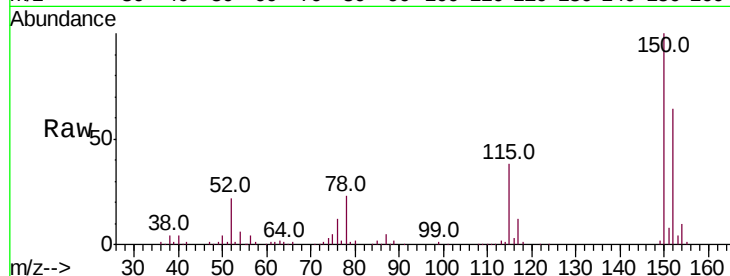


#1

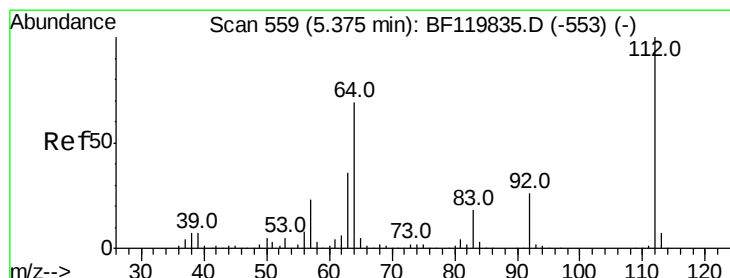
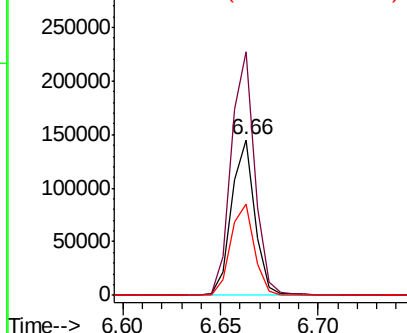
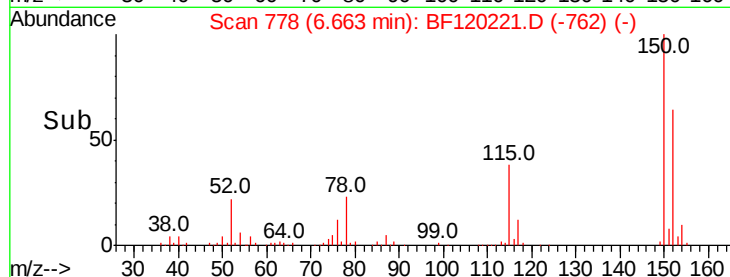
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF120221.D
Acq: 27 Apr 2020 16:16

Instrument :
BNA_F
ClientSampleId :
DUCK-ISLAND-ROLLOFF

Tot Ion:152 Resp: 120267
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 58.7 49.6 74.4



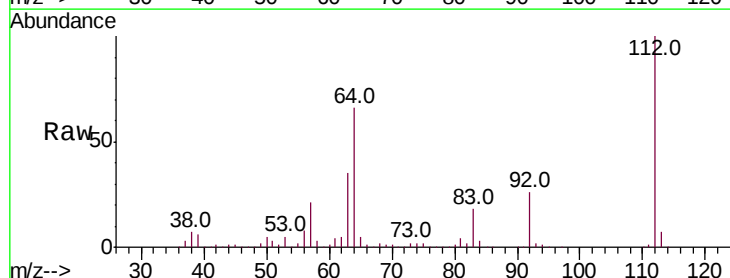
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



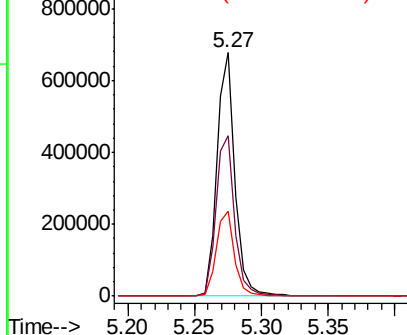
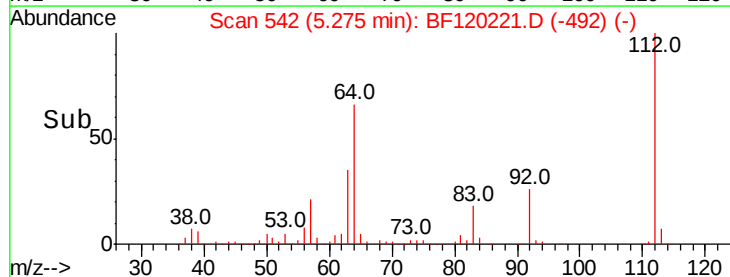
#5

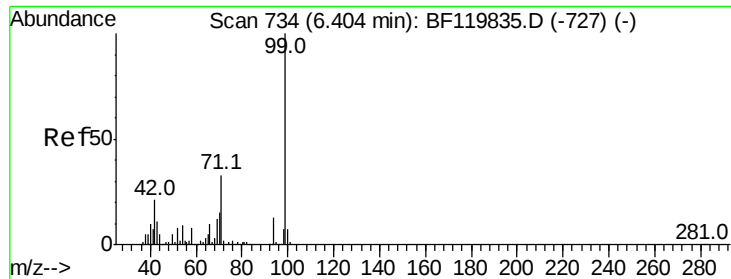
2-Fluorophenol
Concen: 92.651 ng
RT: 5.27 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF120221.D
Acq: 27 Apr 2020 16:16

Tgt Ion:112 Resp: 644776
Ion Ratio Lower Upper
112 100
64 66.1 56.7 85.1
63 35.0 29.5 44.3



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: 96.744 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Instrument :

BNA_F

ClientSampleId :

DUCK-ISLAND-ROLLOFF

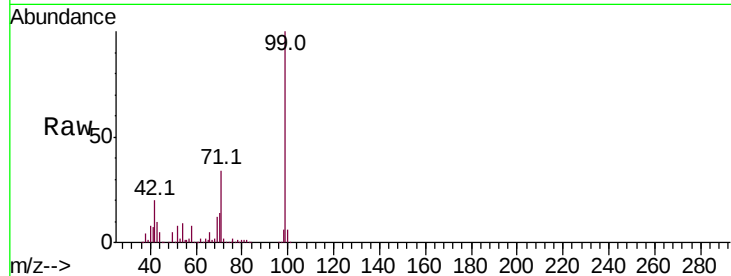
Tot Ion: 99 Resp: 867521

Ion Ratio Lower Upper

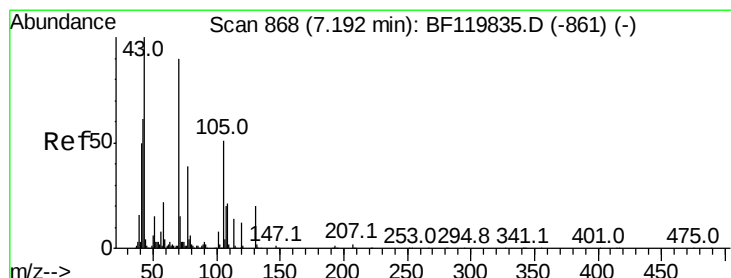
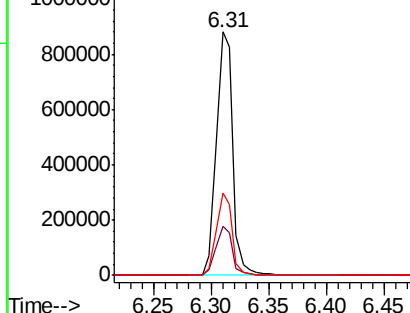
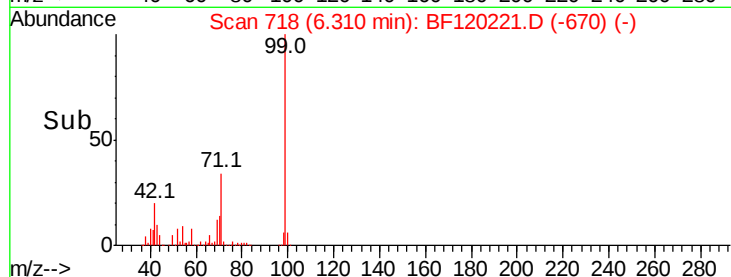
99 100

42 20.4 16.6 24.8

71 33.8 26.4 39.6



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: 10.911 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Tgt Ion: 70 Resp: 62919

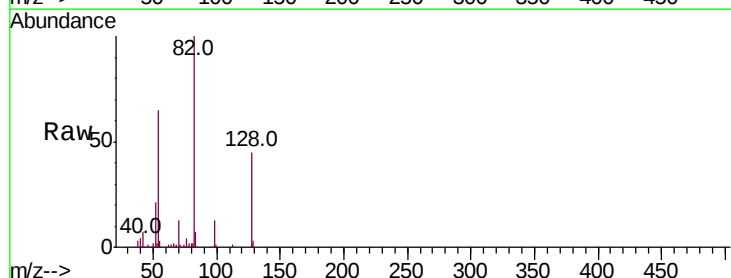
Ion Ratio Lower Upper

70 100

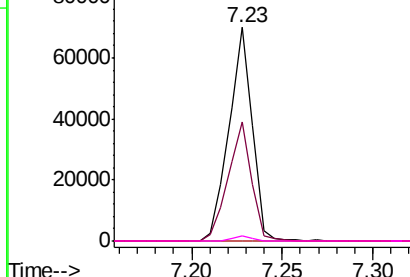
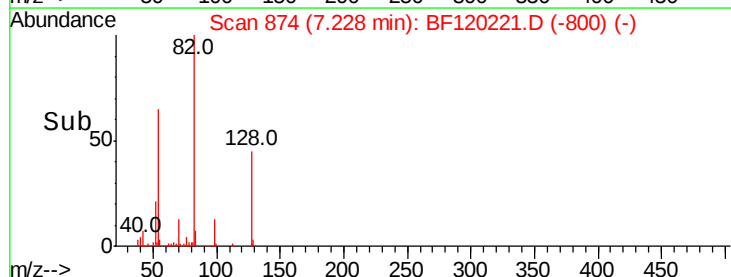
42 55.6 54.5 81.7

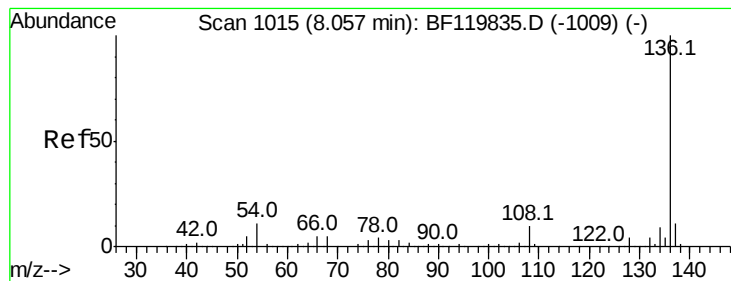
101 0.0 7.6 11.4#

130 2.4 17.6 26.4#



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: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Instrument :

BNA_F

ClientSampleId :

DUCK-ISLAND-ROLLOFF

Tot Ion:136 Resp: 456396

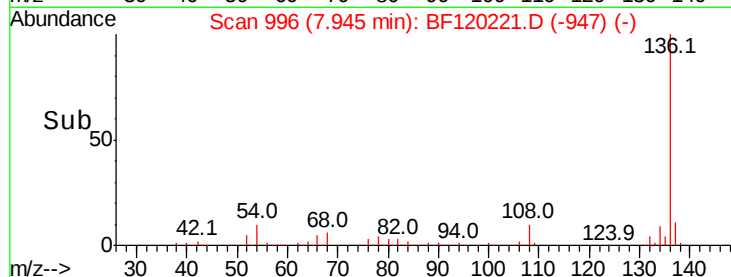
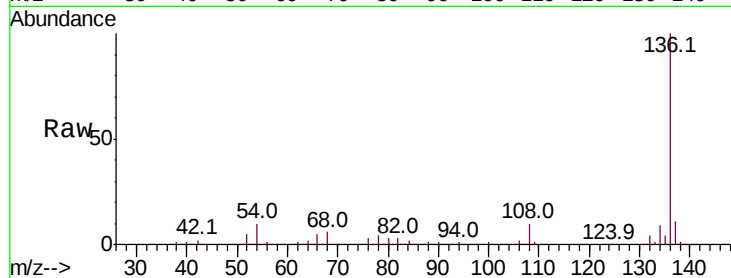
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 10.3 9.1 13.7

68 6.0 4.6 6.8

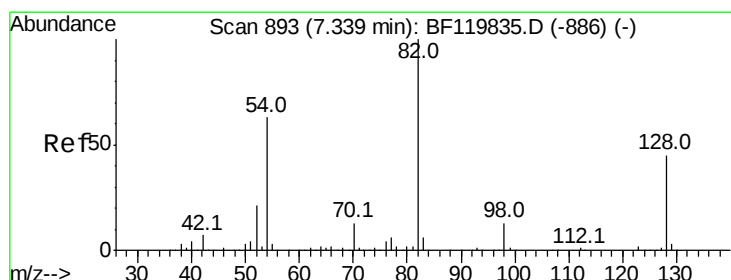
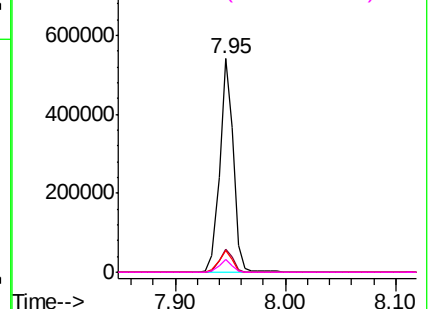


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.352 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

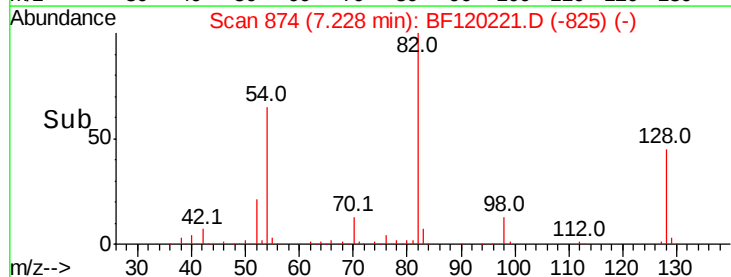
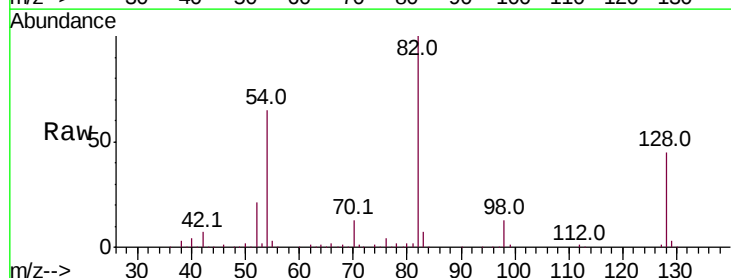
Tgt Ion: 82 Resp: 488319

Ion Ratio Lower Upper

82 100

128 45.2 36.3 54.5

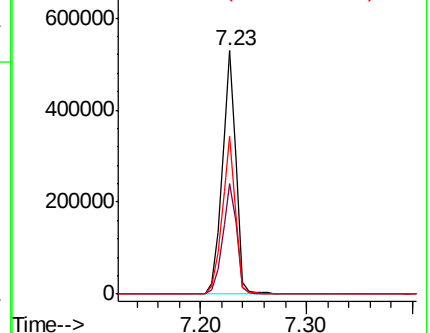
54 64.6 50.6 75.8

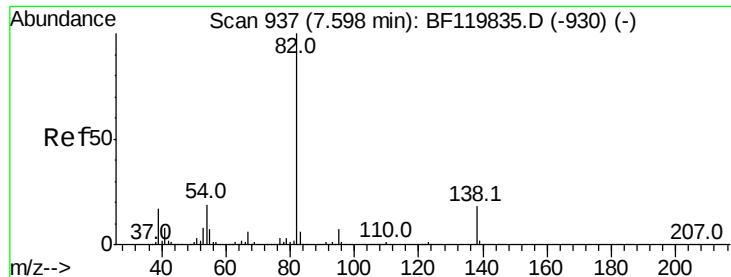


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

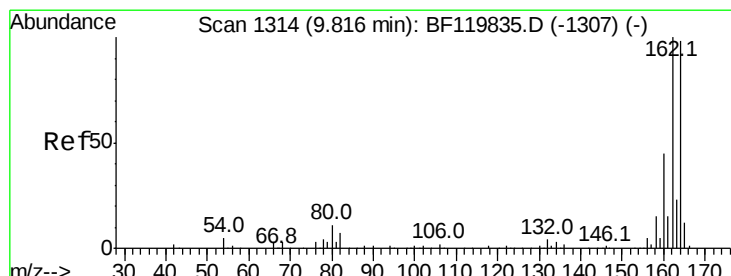
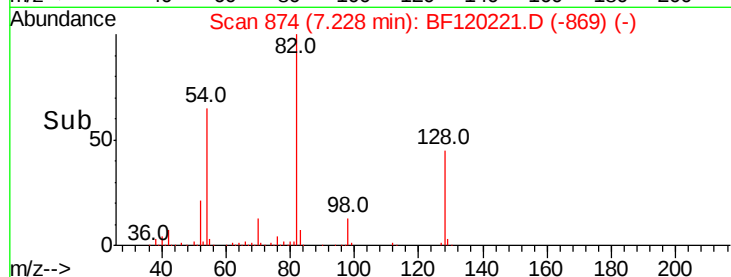
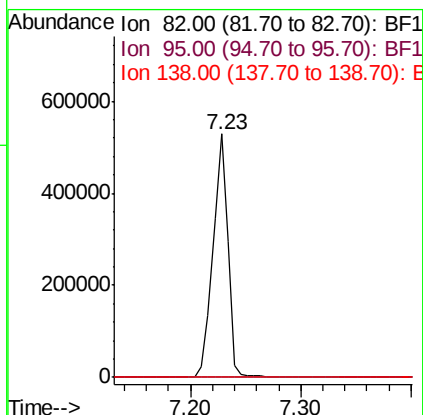
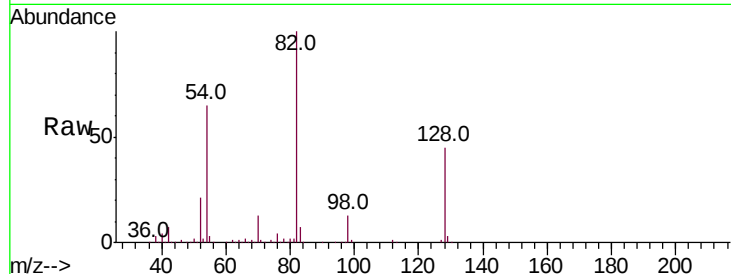




#25
Isophorone
Concen: 28.714 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.27 min
Lab File: BF120221.D
Acq: 27 Apr 2020 16:16

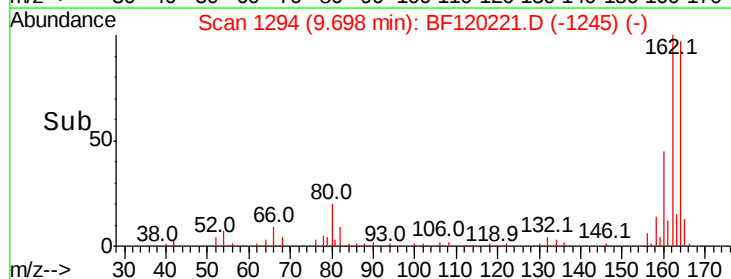
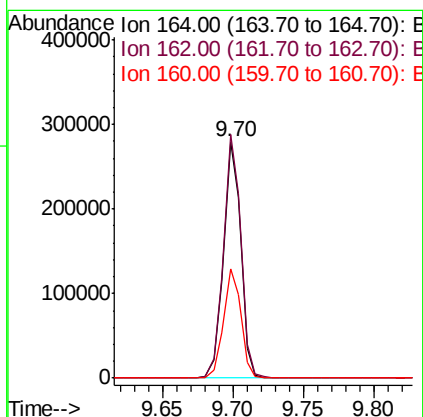
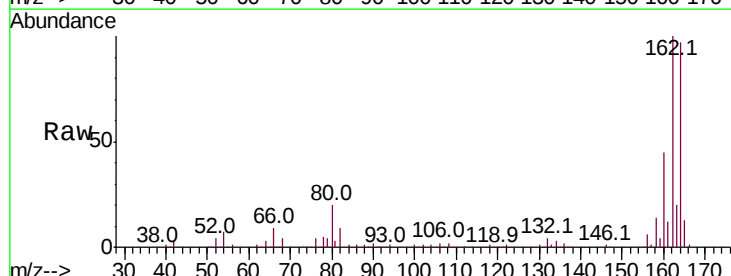
Instrument :
BNA_F
ClientSampleId :
DUCK-ISLAND-ROLLOFF

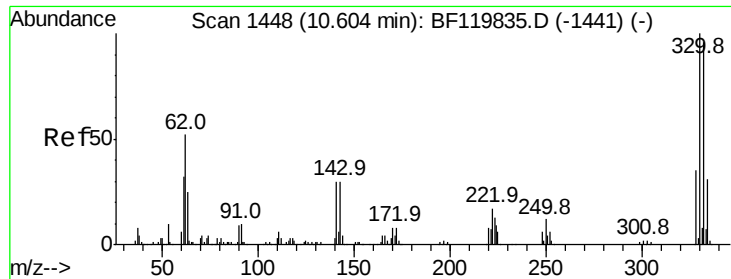
Tot Ion: 82 Resp: 488316
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF120221.D
Acq: 27 Apr 2020 16:16

Tgt Ion: 164 Resp: 238068
Ion Ratio Lower Upper
164 100
162 102.9 80.6 121.0
160 46.3 35.7 53.5

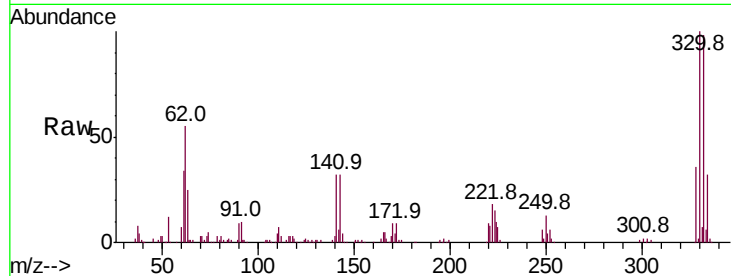




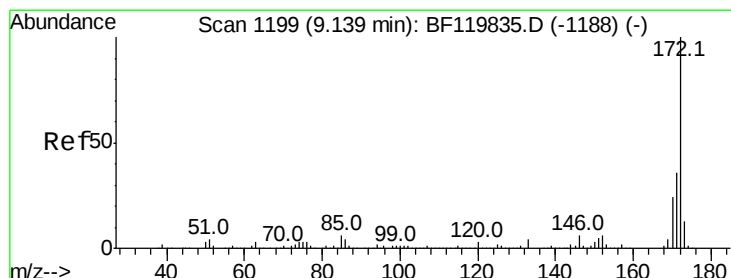
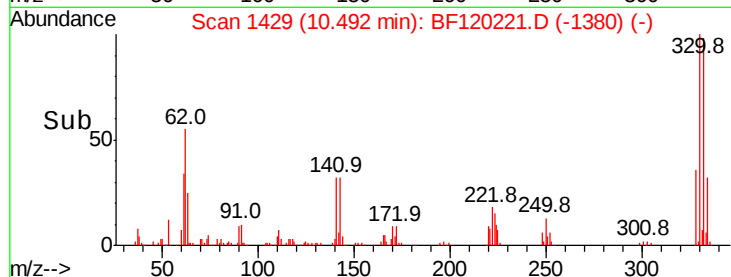
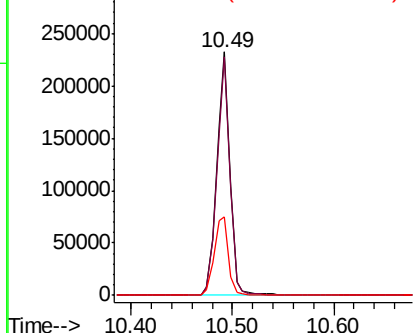
#42
 2,4,6-Tribromophenol
 Concen: 71.622 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120221.D
 Acq: 27 Apr 2020 16:16

Instrument :
 BNA_F
 ClientSampleId :
 DUCK-ISLAND-ROLLOFF

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.7	113.5
141	35.1	25.4	38.0

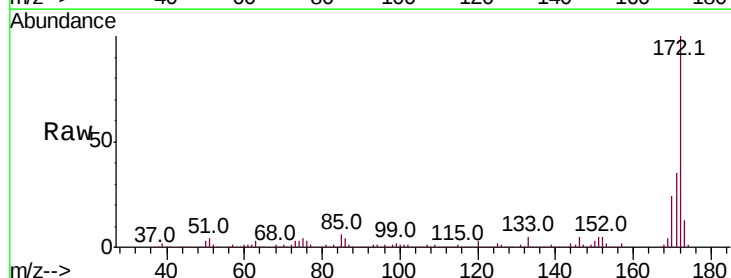


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

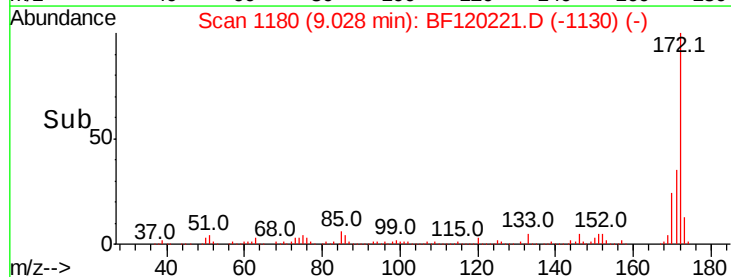
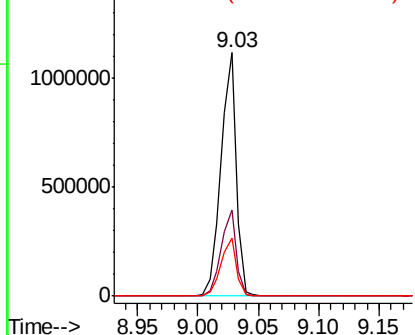


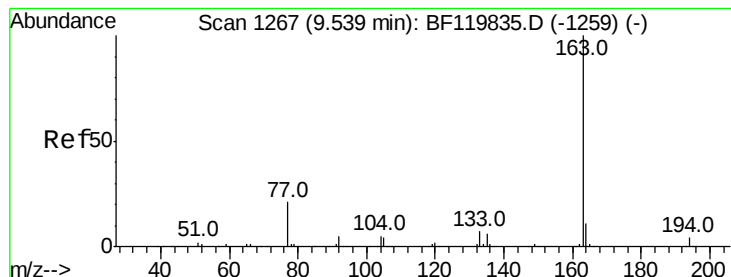
#45
 2-Fluorobiphenyl
 Concen: 57.982 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120221.D
 Acq: 27 Apr 2020 16:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.9	20.2	30.2



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





#50

Dimethylphthalate

Concen: 6.620 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Instrument :

BNA_F

ClientSampleId :

DUCK-ISLAND-ROLLOFF

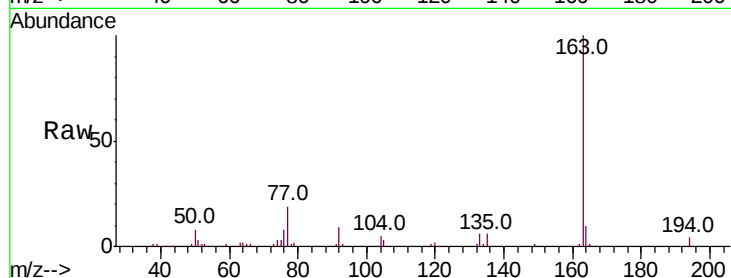
Tot Ion:163 Resp: 121904

Ion Ratio Lower Upper

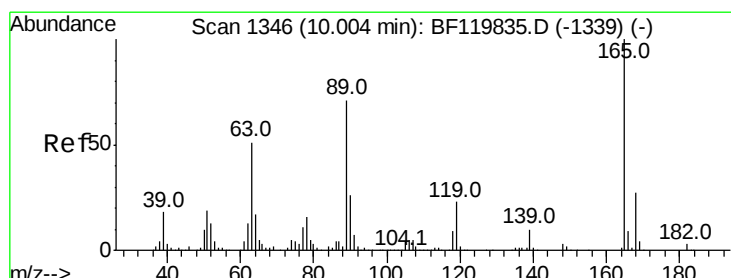
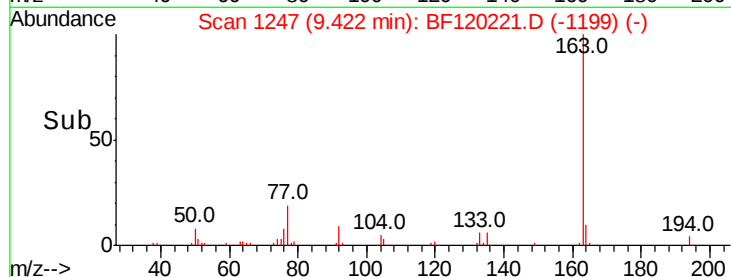
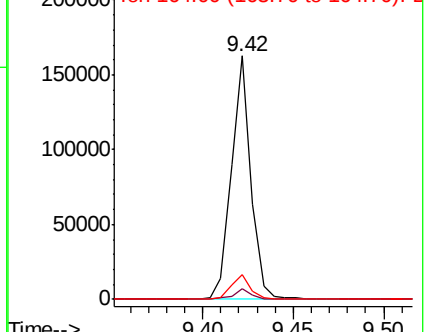
163 100

194 4.2 3.1 4.7

164 9.9 8.2 12.2



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: 5.693 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.21 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Tgt Ion:165 Resp: 30247

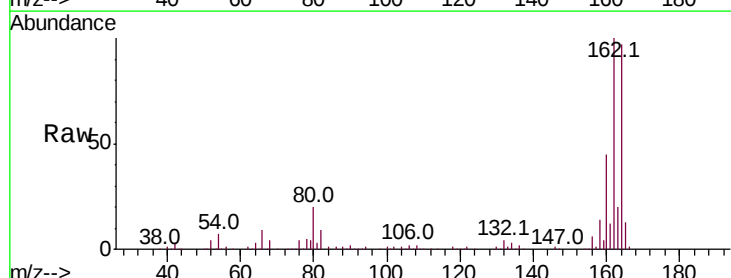
Ion Ratio Lower Upper

165 100

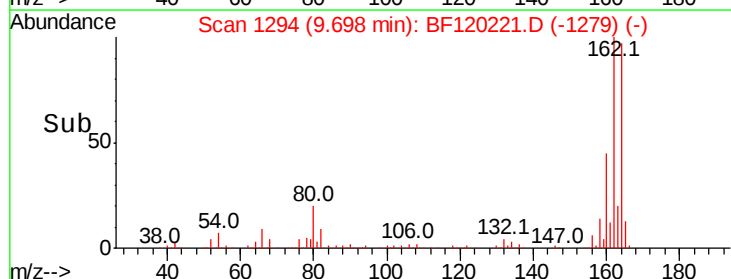
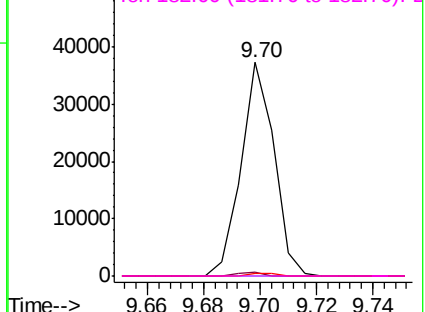
63 1.9 42.6 64.0#

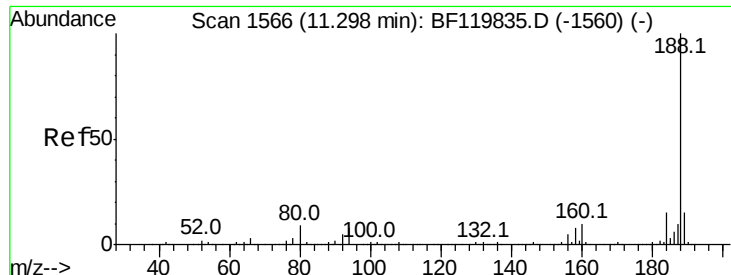
89 1.0 61.0 91.4#

182 0.0 2.2 3.2#



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
Ion 182.00 (181.70 to 182.70): E

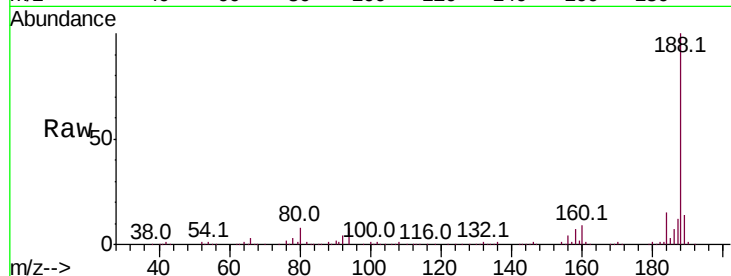




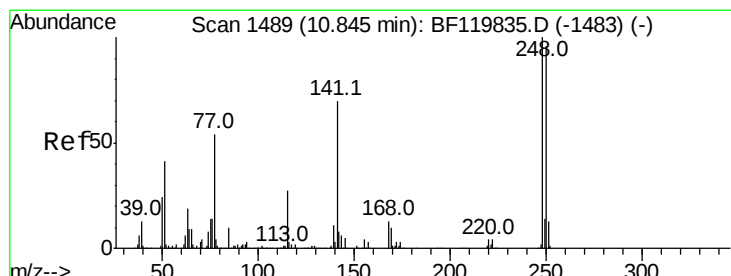
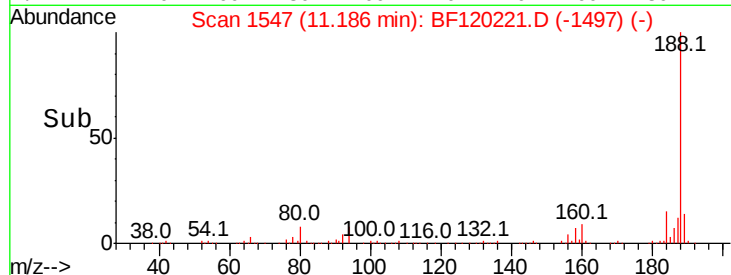
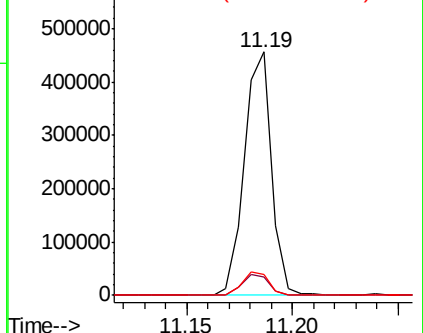
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF120221.D
Acq: 27 Apr 2020 16:16

Instrument :
BNA_F
ClientSampleId :
DUCK-ISLAND-ROLLOFF

Tot Ion:188 Resp: 407501
Ion Ratio Lower Upper
188 100
94 7.5 7.5 11.3
80 8.4 9.0 13.4#

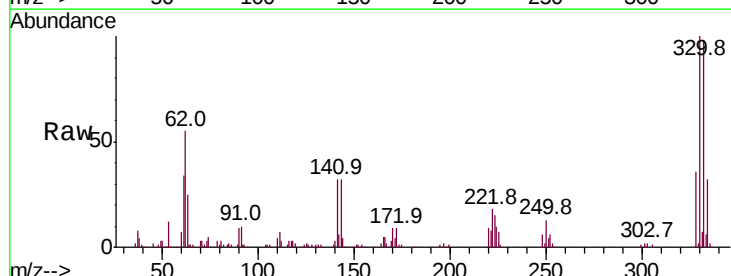


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

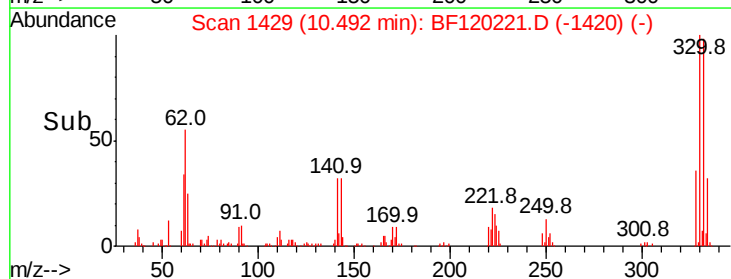
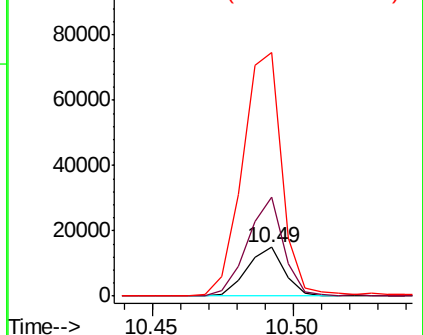


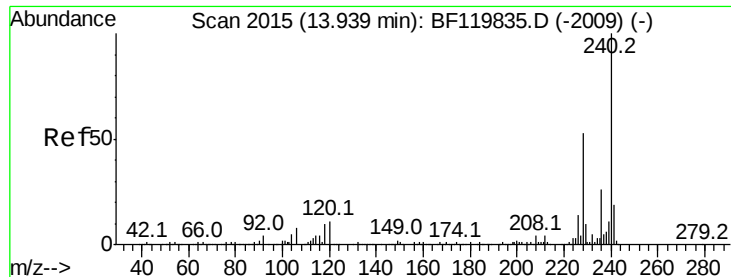
#67
4-Bromophenyl-phenylether
Concen: 2.722 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.25 min
Lab File: BF120221.D
Acq: 27 Apr 2020 16:16

Tgt Ion:248 Resp: 13795
Ion Ratio Lower Upper
248 100
250 201.7 77.3 115.9#
141 499.0 58.6 87.8#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Instrument :

BNA_F

ClientSampleId :

DUCK-ISLAND-ROLLOFF

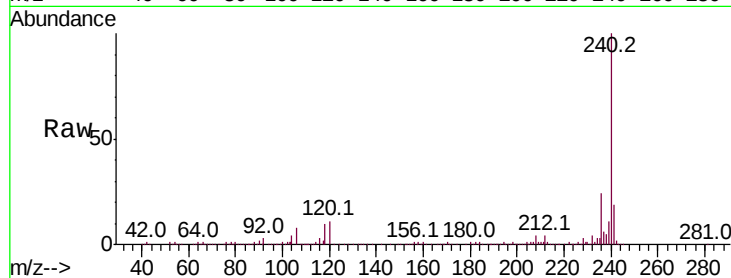
Tot Ion:240 Resp: 326183

Ion Ratio Lower Upper

240 100

120 11.4 10.6 15.8

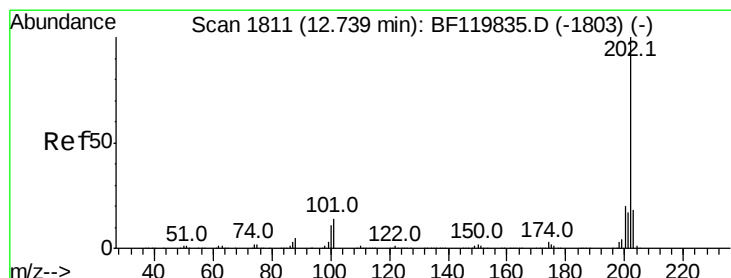
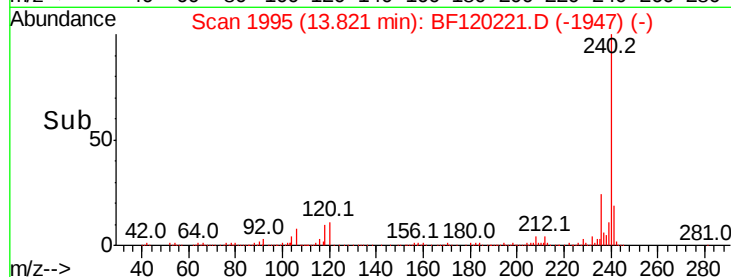
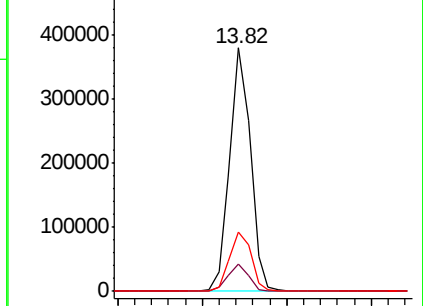
236 24.5 20.2 30.2



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: 2.382 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.02 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

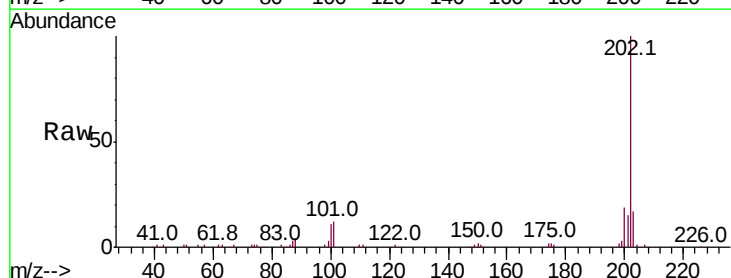
Tgt Ion:202 Resp: 65497

Ion Ratio Lower Upper

202 100

200 19.0 16.8 25.2

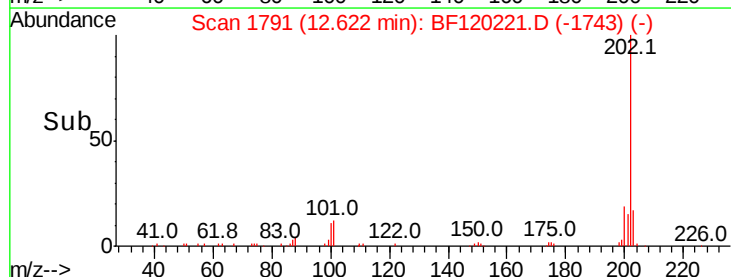
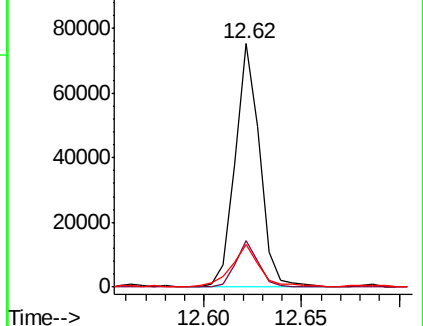
203 17.3 15.1 22.7

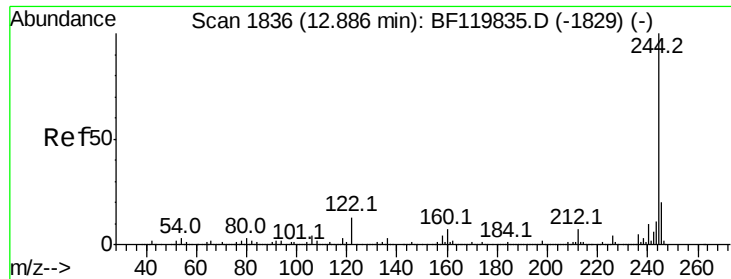


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.788 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Instrument :

BNA_F

ClientSampleId :

DUCK-ISLAND-ROLLOFF

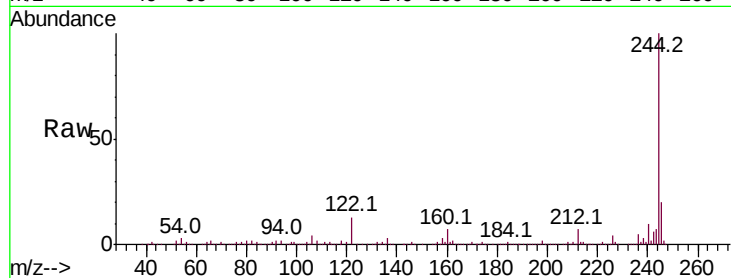
Tot Ion:244 Resp: 1217150

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

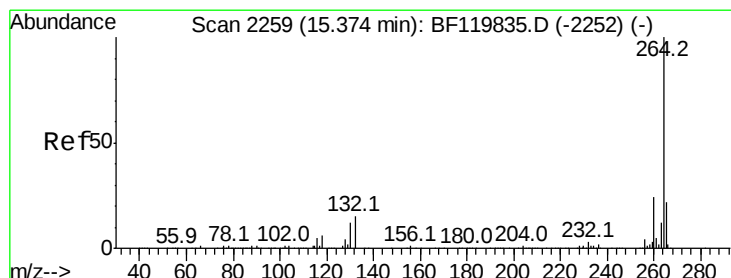
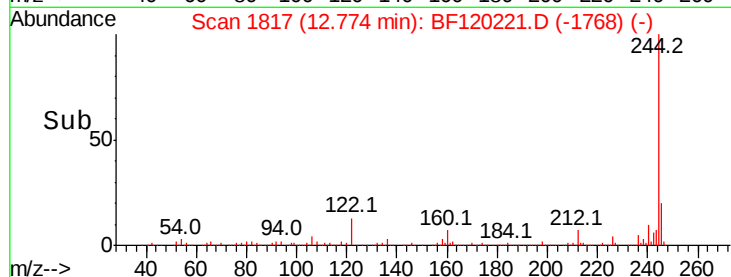
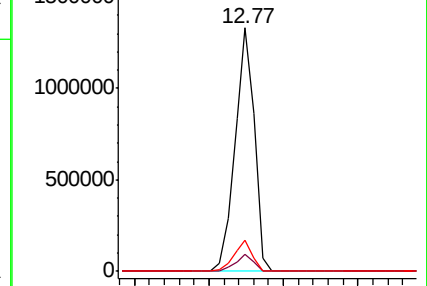
122 12.6 10.3 15.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

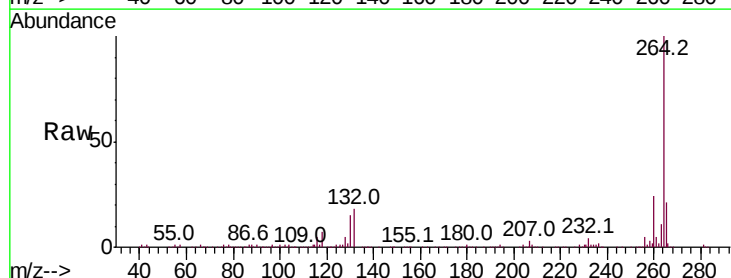
Tgt Ion:264 Resp: 277027

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

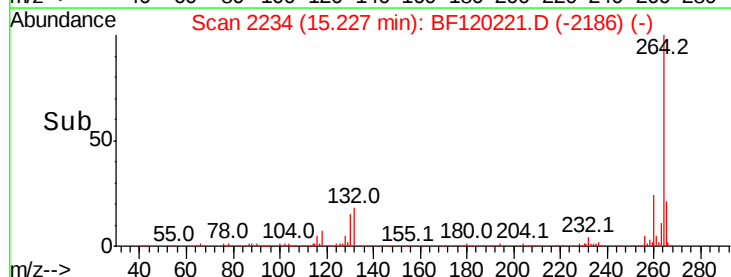
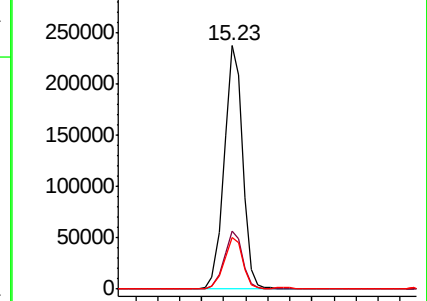
265 21.3 17.7 26.5

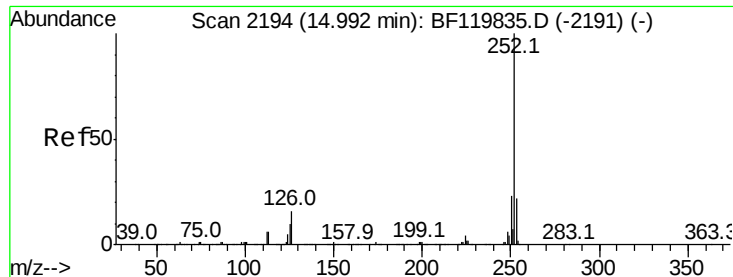


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 2.125 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF120221.D

Acq: 27 Apr 2020 16:16

Instrument :

BNA_F

ClientSampleId :

DUCK-ISLAND-ROLLOFF

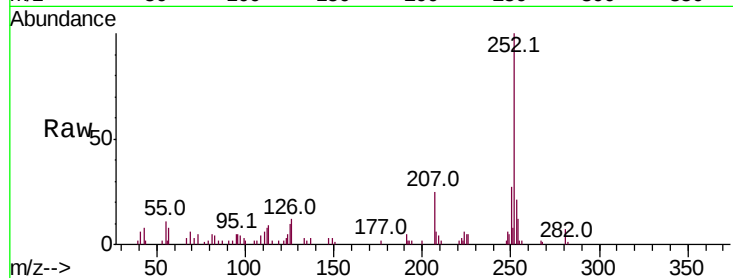
Tot Ion:252 Resp: 36544

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 9.7 8.4 12.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

