

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052920\
 Data File : BF120440.D
 Acq On : 29 May 2020 15:44
 Operator : MA/SJ
 Sample : PB129143BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BL

Quant Time: May 29 16:23:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

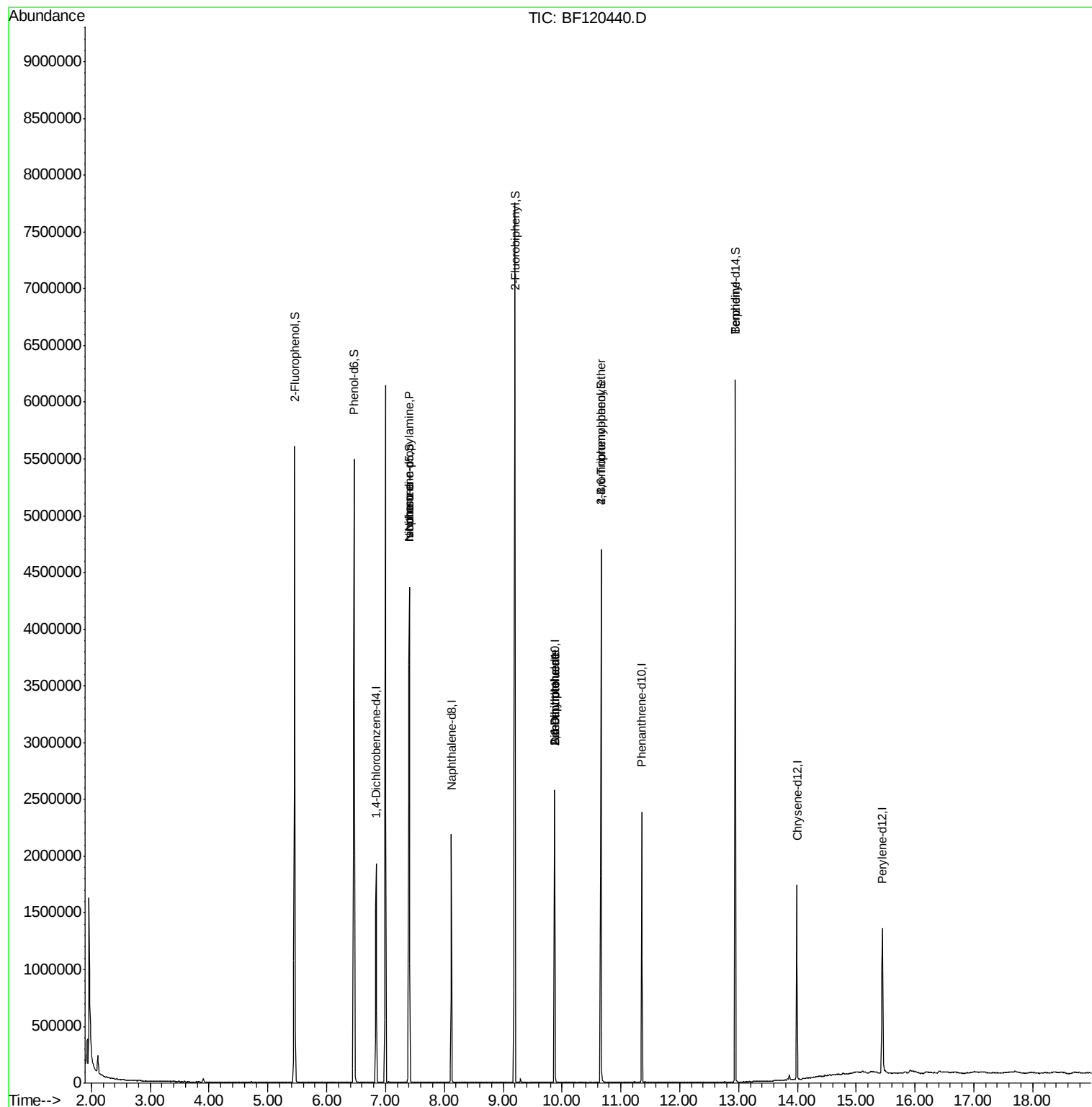
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	282120	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1026570	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	497072	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	814999	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547379	20.00	ng	0.00
86) Perylene-d12	15.44	264	574783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1976279	133.50	ng	0.00
7) Phenol-d6	6.47	99	2520336	138.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	1574658	100.34	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	633740	137.60	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2709714	92.49	ng	0.00
79) Terphenyl-d14	12.95	244	2444479	99.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	214835	18.522	ng	# 77
25) Isophorone	7.40	82	1570489	49.790	ng	# 64
50) Dimethylphthalate	9.87	163	111859	3.600	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	63474	9.191	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	63474	7.181	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	38187	4.642	ng	# 1
77) Benzidine	12.95	184	31693	2.204	ng	# 94

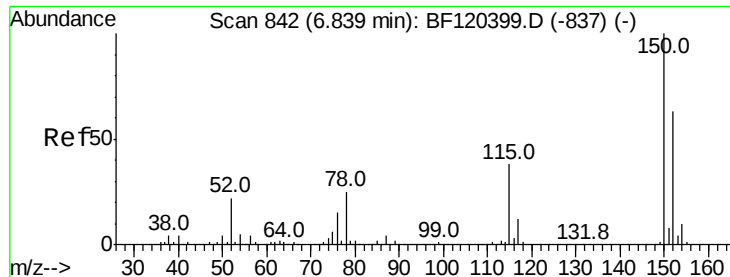
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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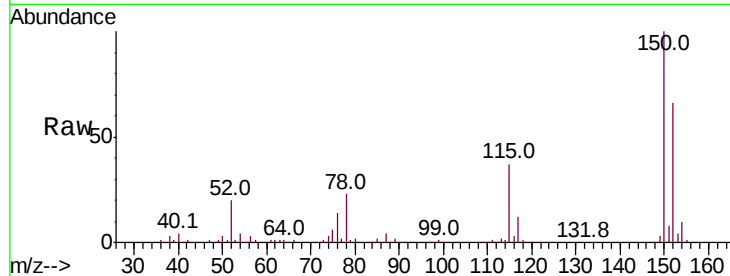


#1

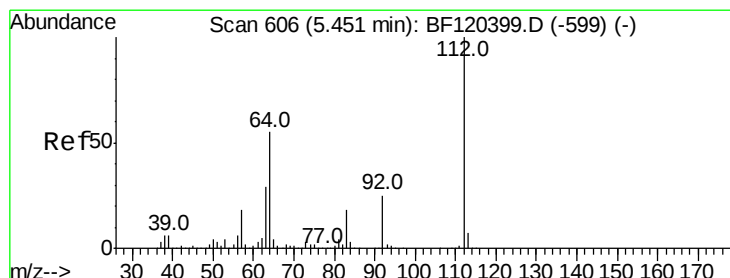
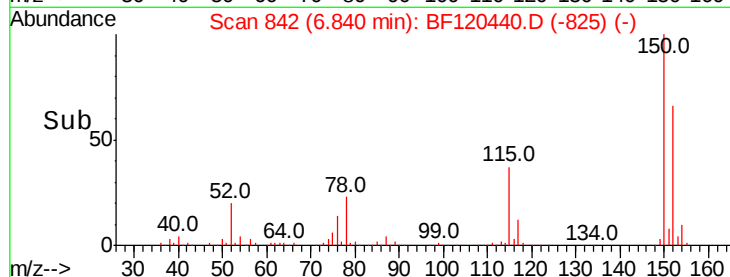
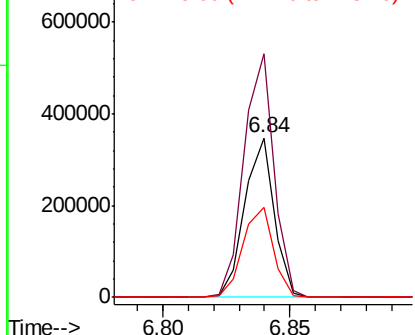
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120440.D
Acq: 29 May 2020 15:44

Instrument :
BNA_F
ClientSampleId :
PB129143BL

Tot Ion:152 Resp: 282120
Ion Ratio Lower Upper
152 100
150 152.5 126.5 189.7
115 56.1 47.6 71.4



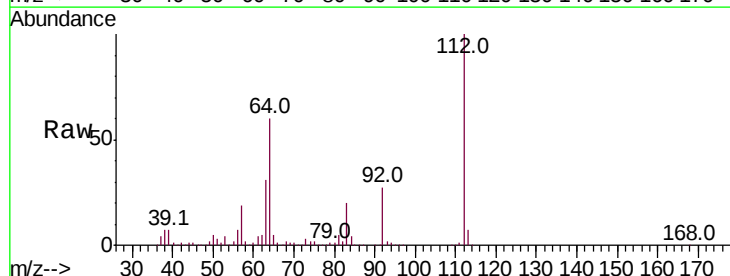
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



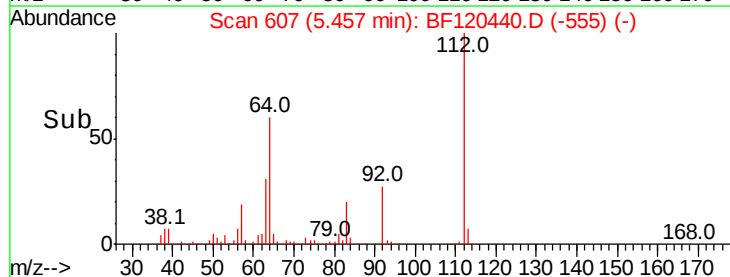
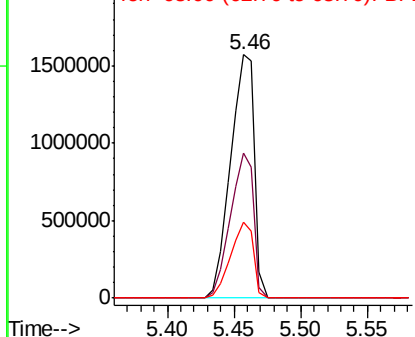
#5

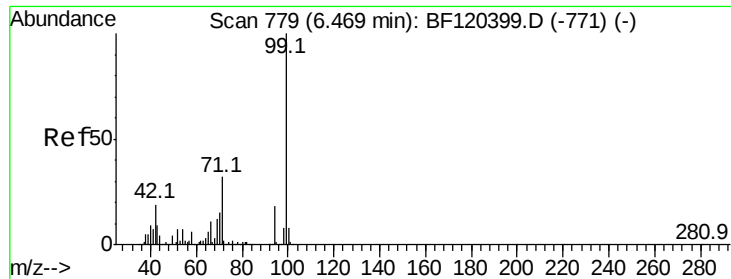
2-Fluorophenol
Concen: 133.500 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120440.D
Acq: 29 May 2020 15:44

Tgt Ion:112 Resp: 1976279
Ion Ratio Lower Upper
112 100
64 59.7 44.3 66.5
63 31.2 22.9 34.3



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: 138.127 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

Instrument :

BNA_F

ClientSampleId :

PB129143BL

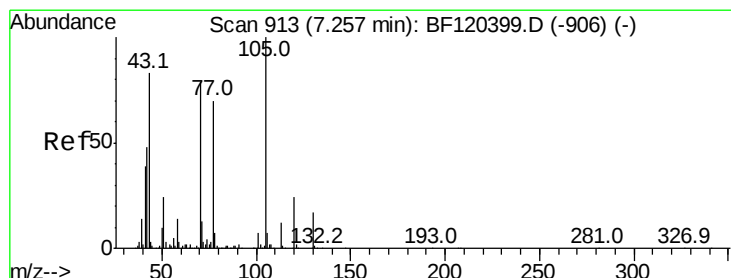
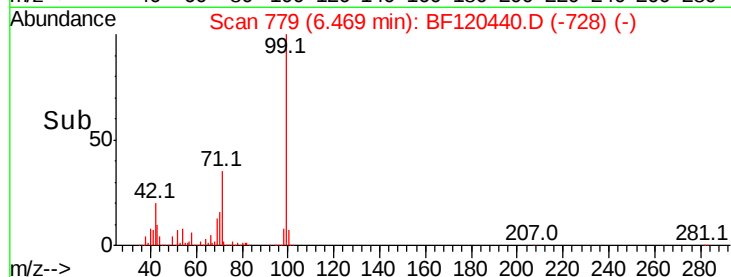
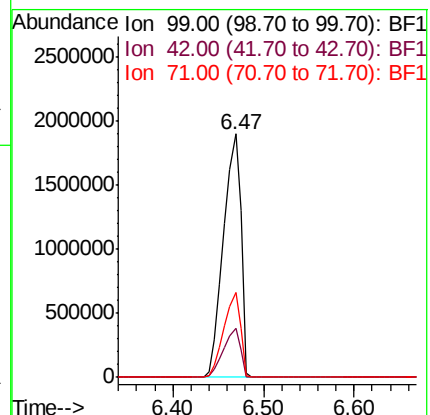
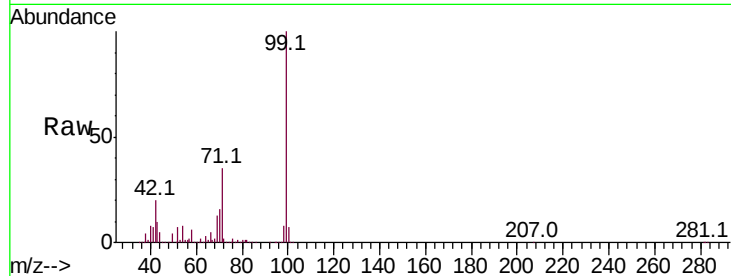
Tot Ion: 99 Resp: 2520336

Ion Ratio Lower Upper

99 100

42 20.0 15.2 22.8

71 35.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.522 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

Tgt Ion: 70 Resp: 214835

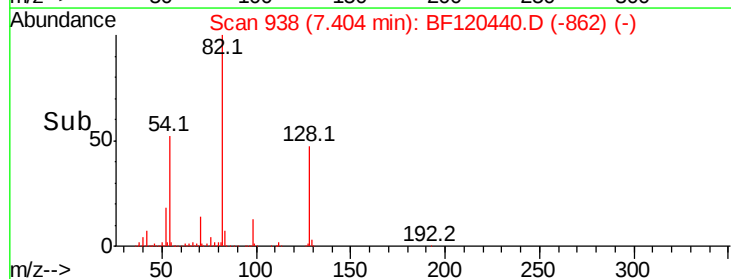
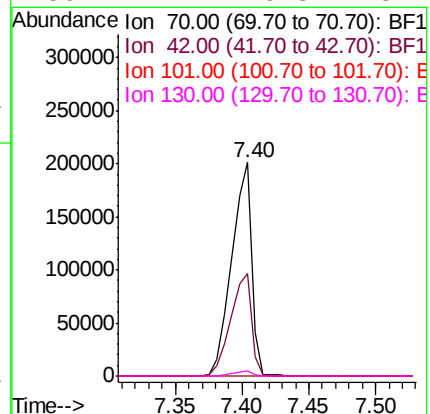
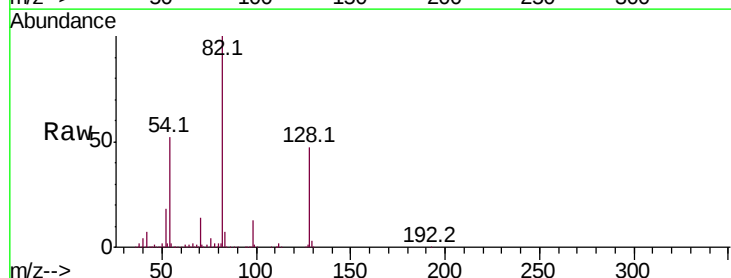
Ion Ratio Lower Upper

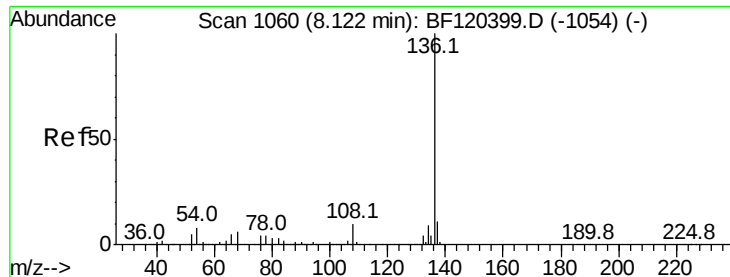
70 100

42 47.9 48.9 73.3#

101 0.0 7.4 11.2#

130 2.4 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

Instrument :

BNA_F

ClientSampleId :

PB129143BL

Tot Ion:136 Resp: 1026570

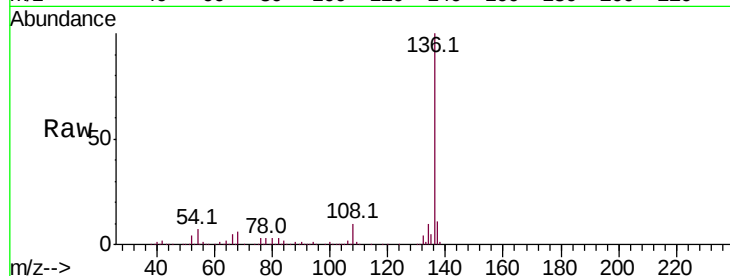
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.1 6.7 10.1

68 5.6 5.0 7.4

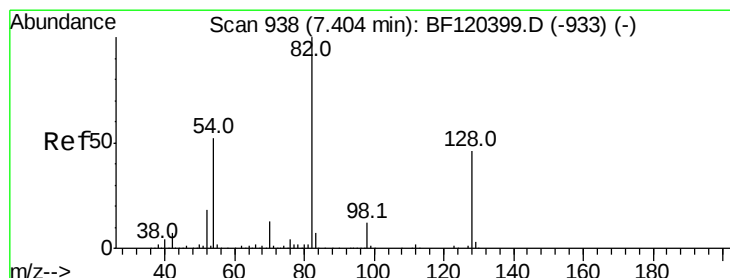
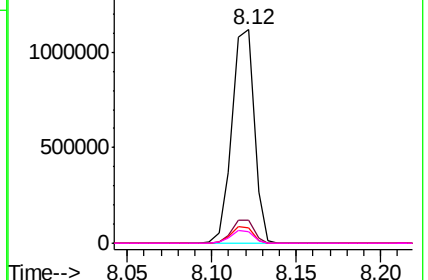
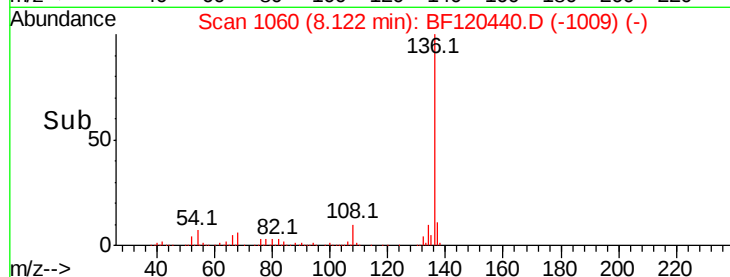


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.337 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

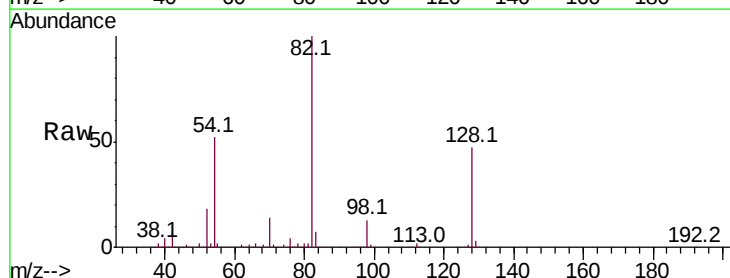
Tgt Ion: 82 Resp: 1574658

Ion Ratio Lower Upper

82 100

128 47.4 36.8 55.2

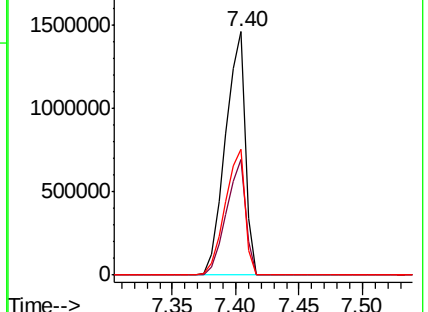
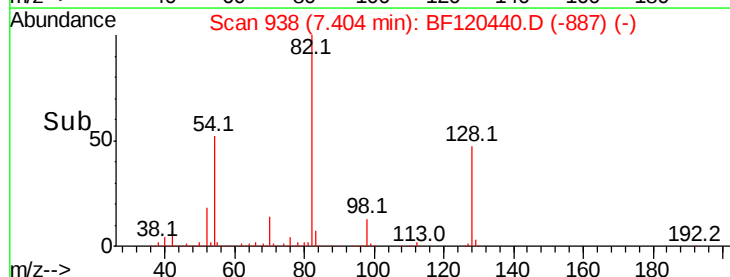
54 51.8 41.6 62.4

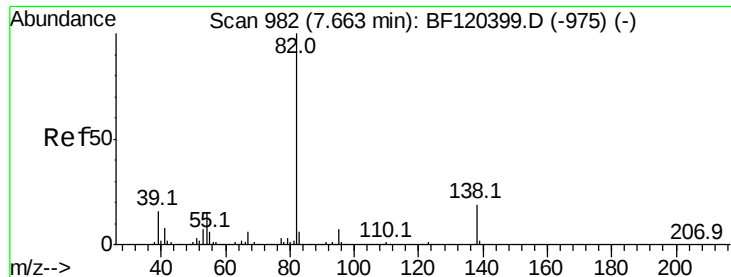


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.790 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

Instrument :

BNA_F

ClientSampleId :

PB129143BL

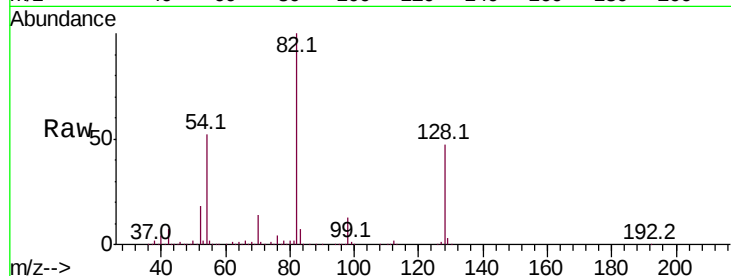
Tot Ion: 82 Resp: 1570489

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

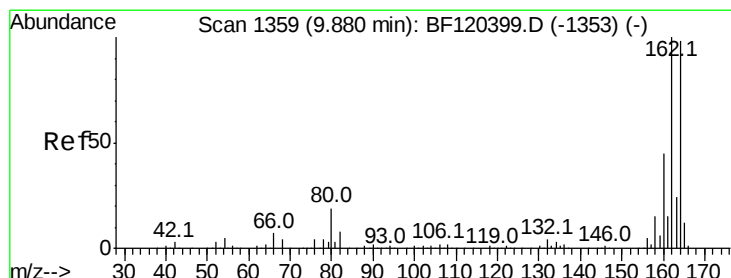
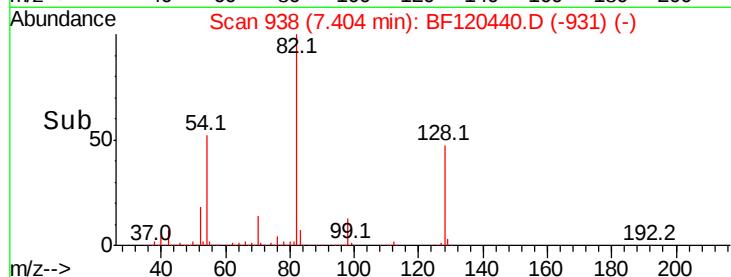
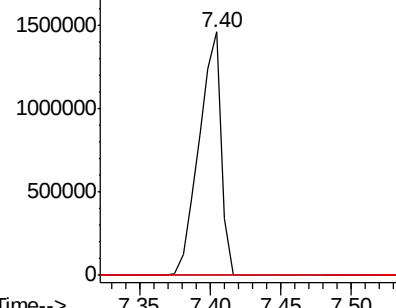
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

2000000 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# 1358

Delta R.T. 0.00 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

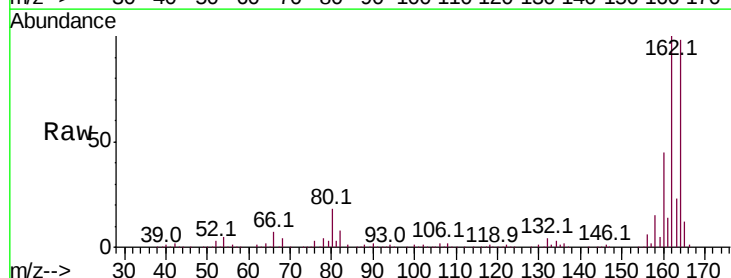
Tgt Ion:164 Resp: 497072

Ion Ratio Lower Upper

164 100

162 102.2 81.3 121.9

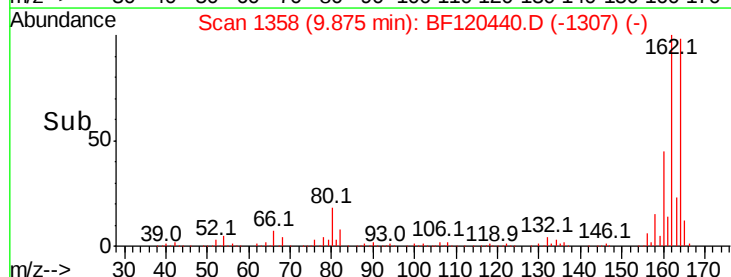
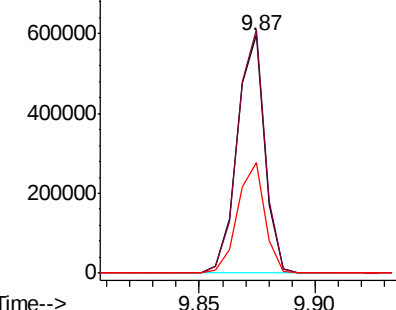
160 46.1 36.9 55.3

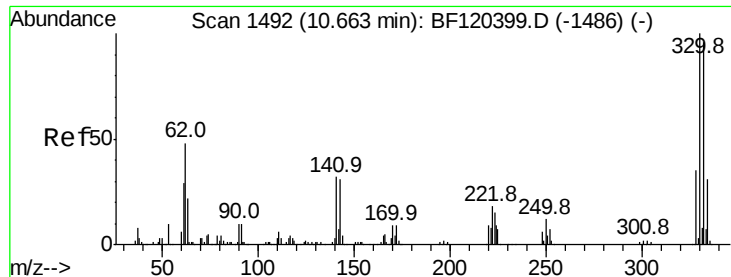


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

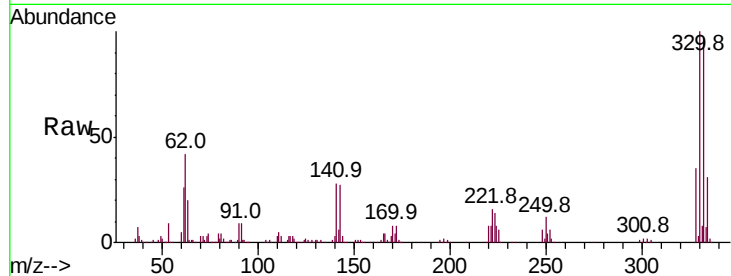




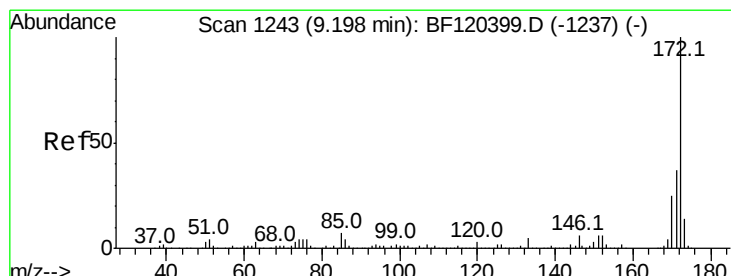
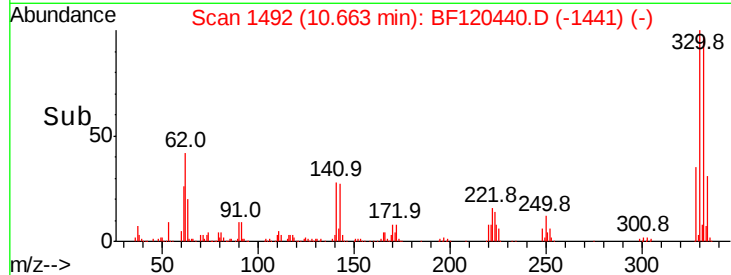
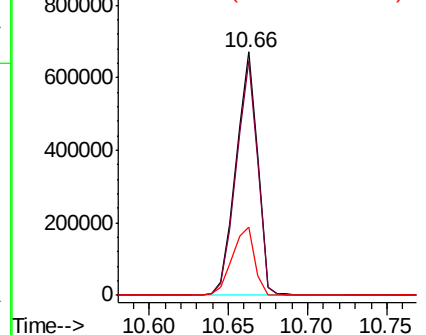
#42
 2,4,6-Tribromophenol
 Concen: 137.602 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.3	25.3	37.9

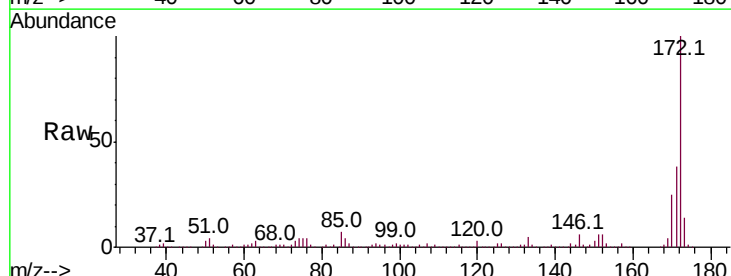


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

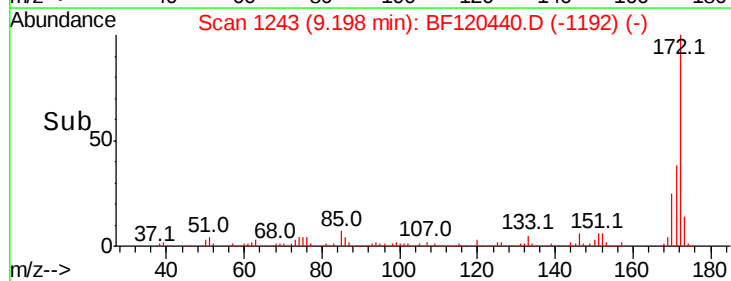
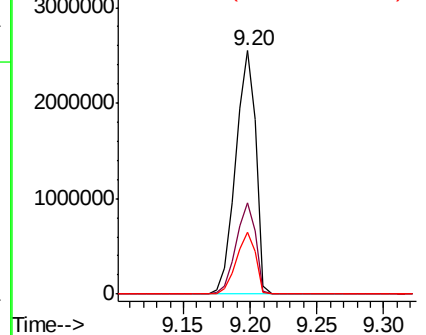


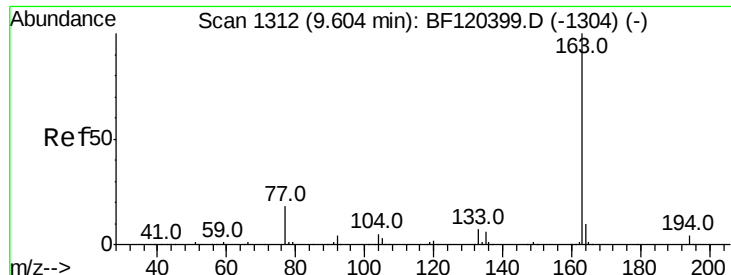
#45
 2-Fluorobiphenyl
 Concen: 92.493 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	25.3	19.9	29.9



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: 3.600 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.27 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

Instrument :

BNA_F

ClientSampleId :

PB129143BL

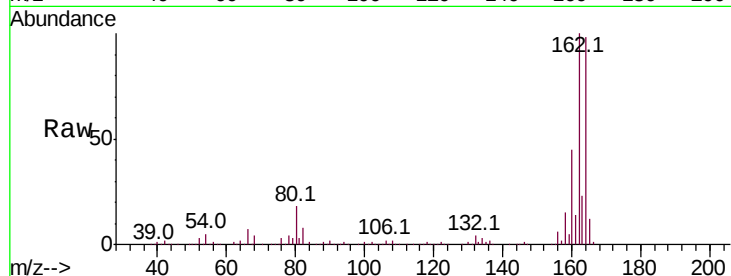
Tot Ion:163 Resp: 111859

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

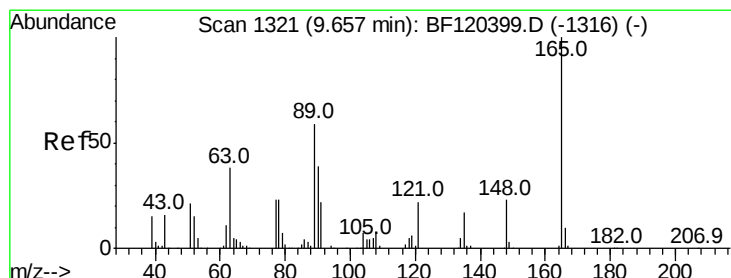
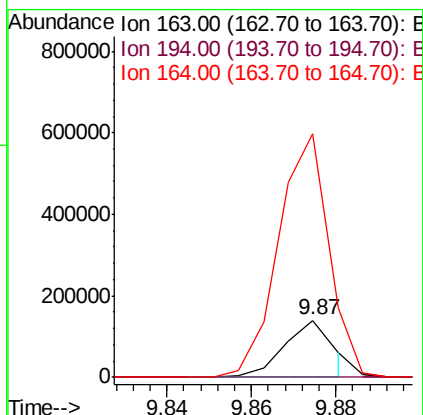
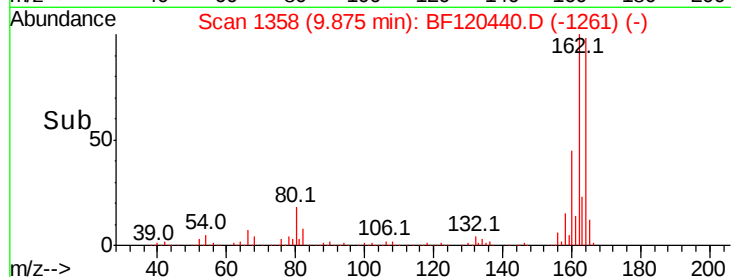
164 426.9 8.3 12.5#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.191 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.21 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

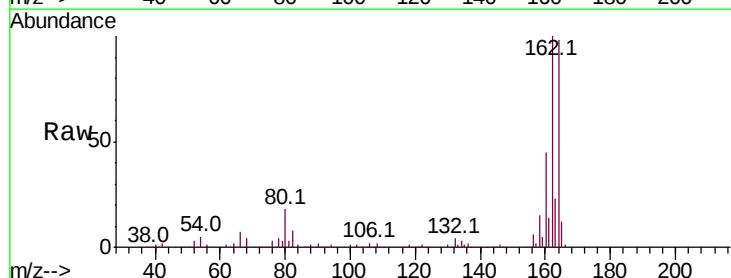
Tgt Ion:165 Resp: 63474

Ion Ratio Lower Upper

165 100

63 1.1 46.9 70.3#

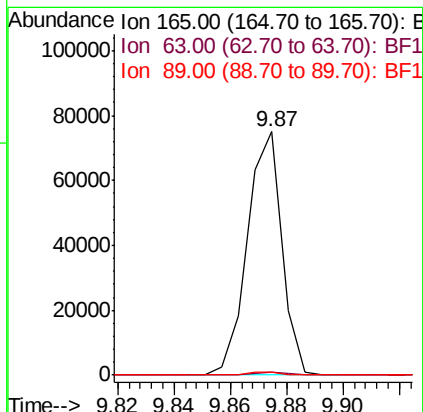
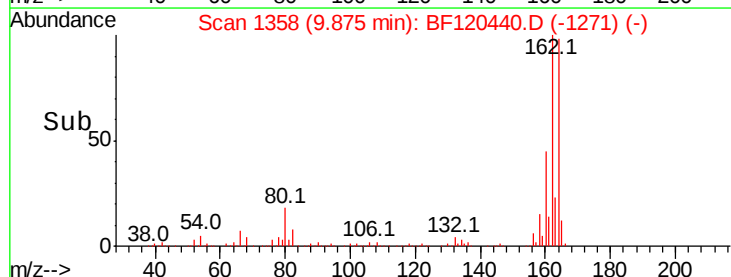
89 1.0 47.5 71.3#

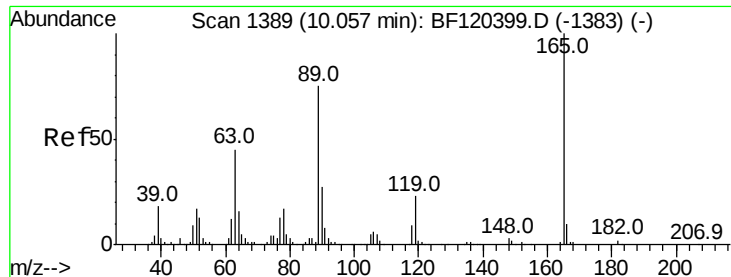


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

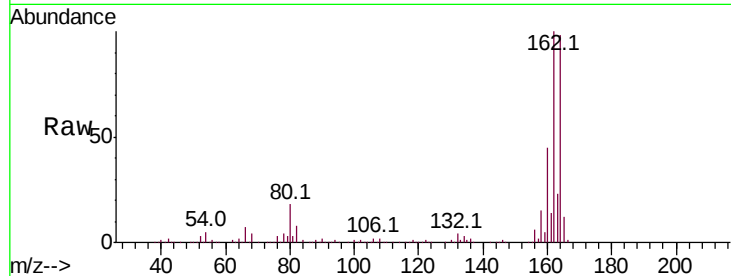




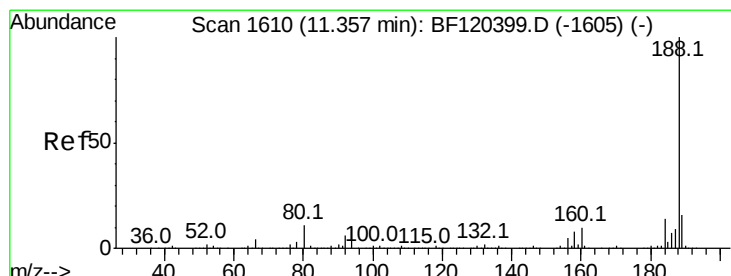
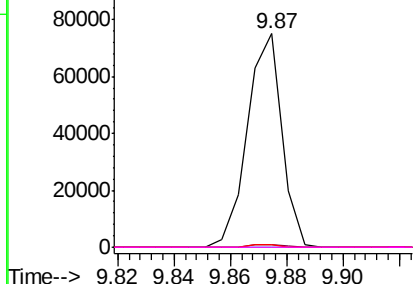
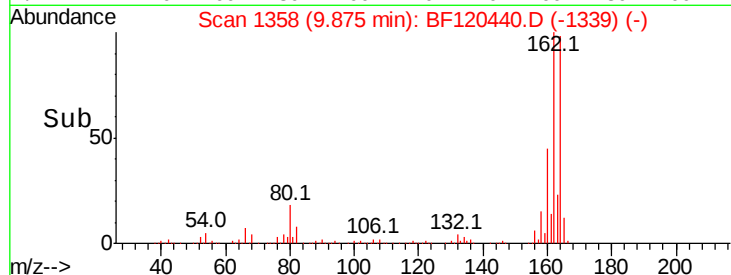
#57
 2,4-Dinitrotoluene
 Concen: 7.181 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BL

Tot Ion:165 Resp: 63474
 Ion Ratio Lower Upper
 165 100
 63 1.1 35.9 53.9#
 89 1.0 60.0 90.0#
 182 0.0 2.0 3.0#

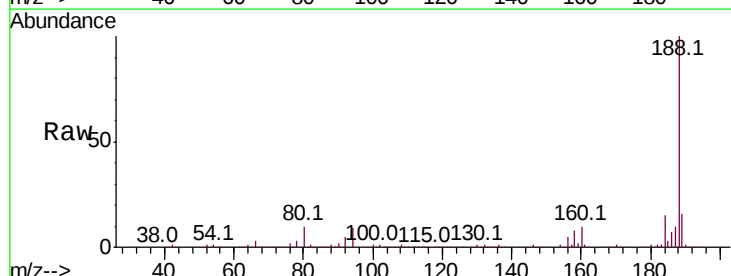


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

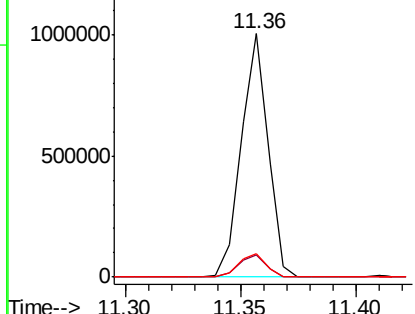
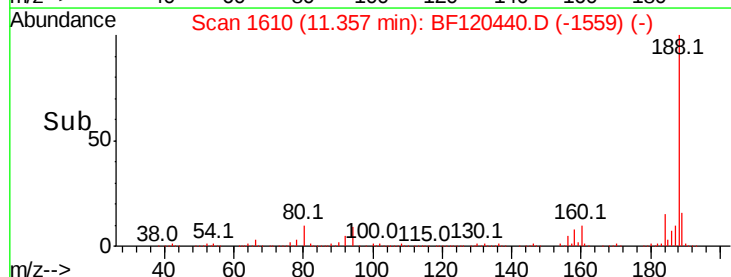


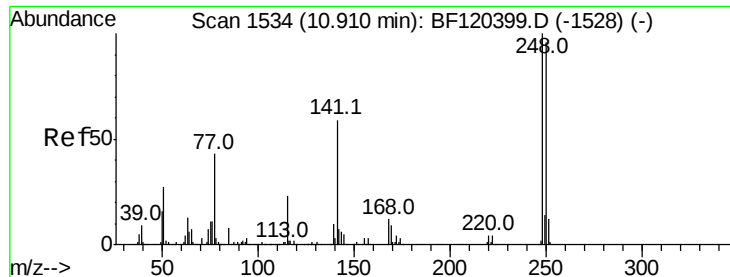
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Tgt Ion:188 Resp: 814999
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.9 11.9
 80 9.7 8.6 13.0



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

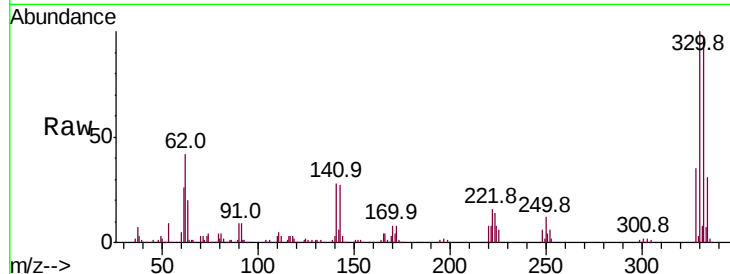




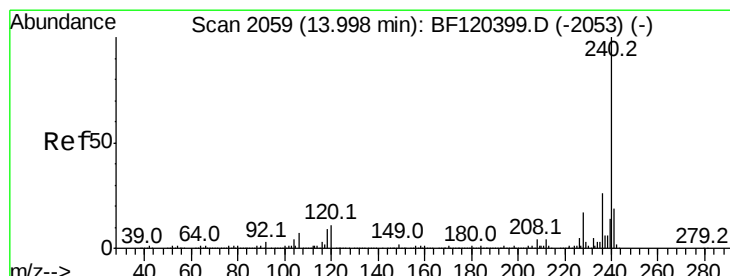
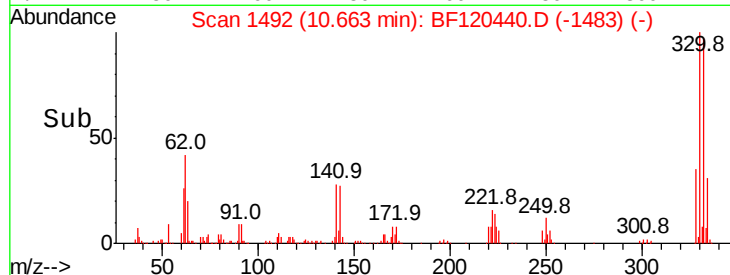
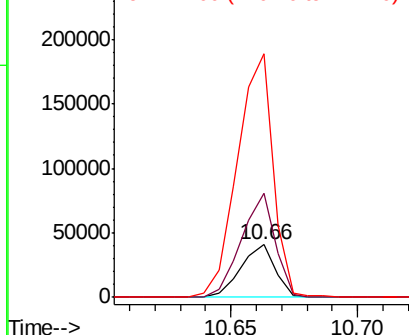
#67
 4-Bromophenyl-phenylether
 Concen: 4.642 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BL

Tot Ion:248 Resp: 38187
 Ion Ratio Lower Upper
 248 100
 250 198.9 76.5 114.7#
 141 464.3 47.2 70.8#

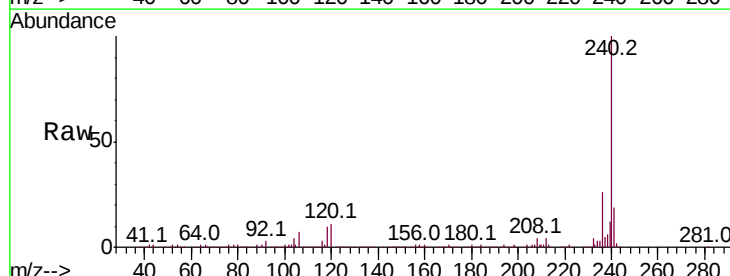


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

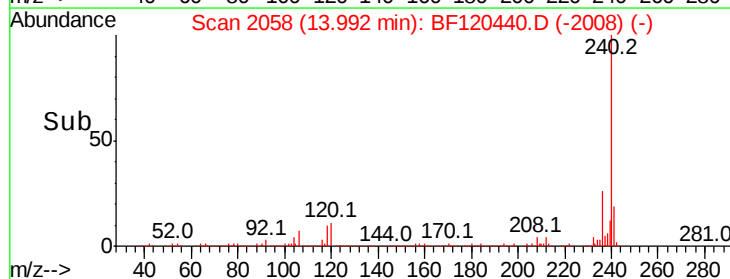
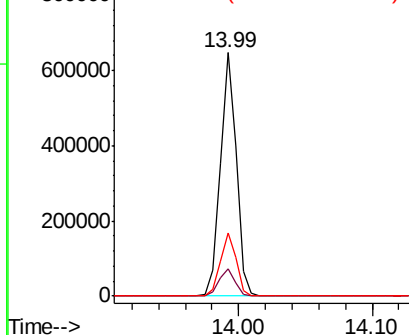


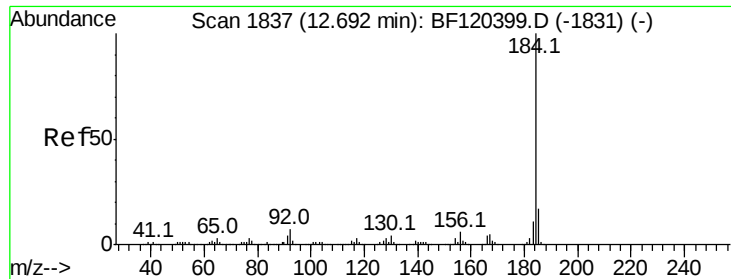
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2058
 Delta R.T. -0.01 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Tgt Ion:240 Resp: 547379
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.8 13.2
 236 26.2 21.0 31.4



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





#77

Benzidine

Concen: 2.204 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.25 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

Instrument :

BNA_F

ClientSampleId :

PB129143BL

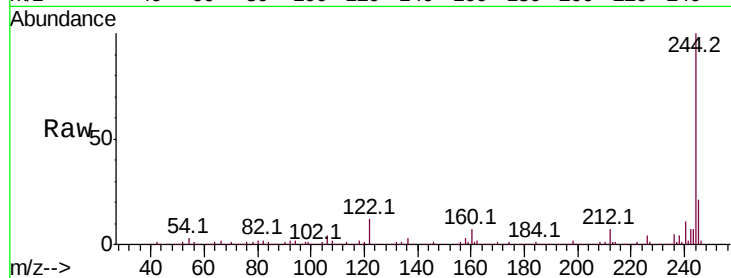
Tot Ion:184 Resp: 31693

Ion Ratio Lower Upper

184 100

185 16.0 13.4 20.0

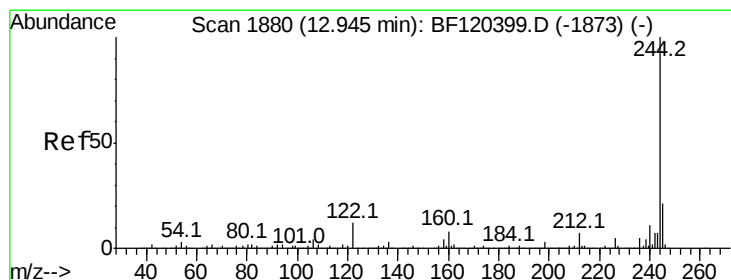
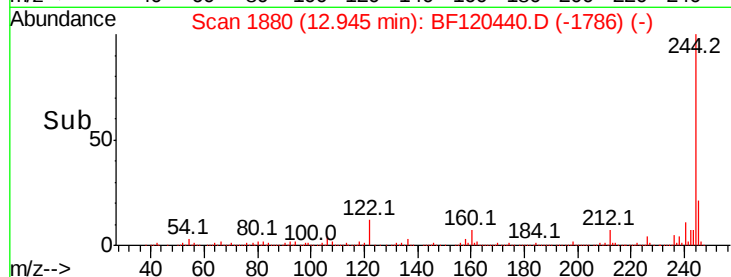
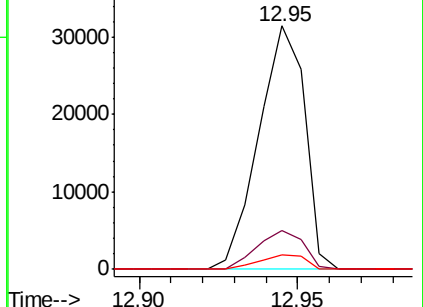
183 5.9 8.6 12.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 99.374 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120440.D

Acq: 29 May 2020 15:44

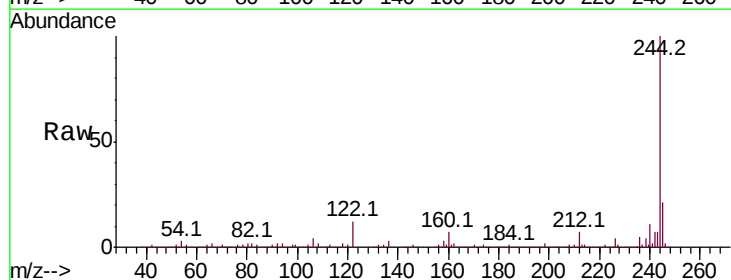
Tgt Ion:244 Resp: 2444479

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

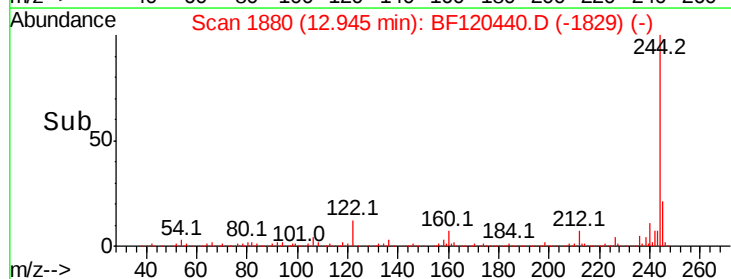
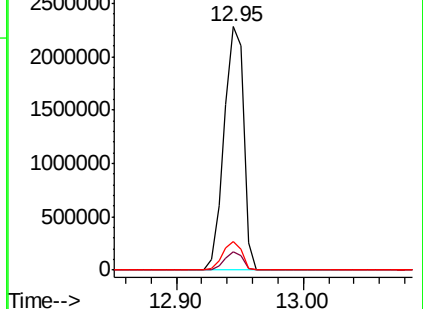
122 11.5 9.2 13.8

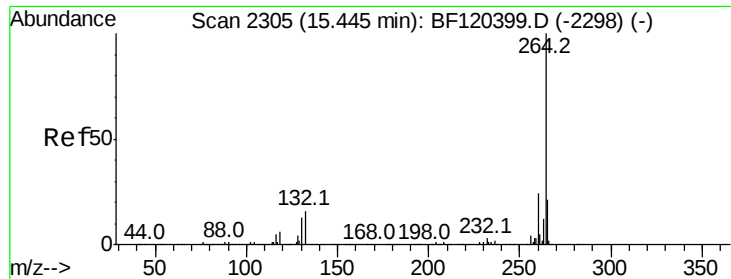


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BF120440.D
 Acq: 29 May 2020 15:44

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	16.9	25.3

