

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120808.D
 Acq On : 9 Jul 2020 10:07
 Operator : JU/CG
 Sample : PB129957BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129957BL

Quant Time: Jul 09 11:34:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	146729	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	541472	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	254427	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	444668	20.00	ng	0.00
76) Chrysene-d12	14.00	240	304681	20.00	ng	0.00
86) Perylene-d12	15.46	264	265730	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1173184	123.42	ng	0.00
7) Phenol-d6	6.47	99	1398741	115.23	ng	0.00
23) Nitrobenzene-d5	7.41	82	855271	91.51	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	326948	127.91	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1442153	85.76	ng	0.00
79) Terphenyl-d14	12.96	244	1527105	98.13	ng	0.00

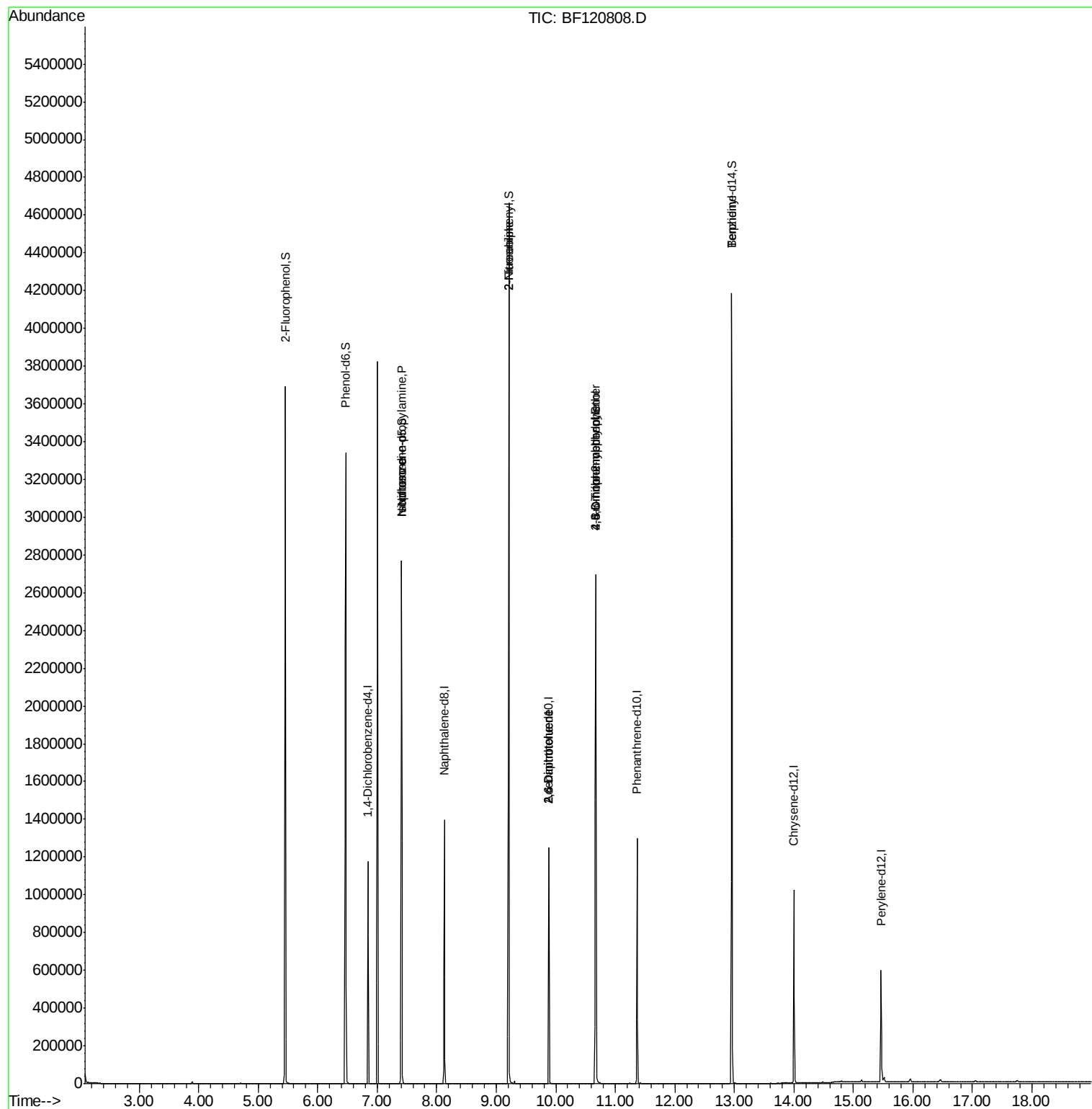
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	115196	15.761	ng	# 77
25) Isophorone	7.41	82	855257	42.434	ng	# 64
48) 2-Nitroaniline	9.21	65	2274	3.056	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	32303	10.619	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	32303	9.655	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	832	7.388	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	19278	3.737	ng	# 1
77) Benzidine	12.96	184	22181	2.579	ng	# 92

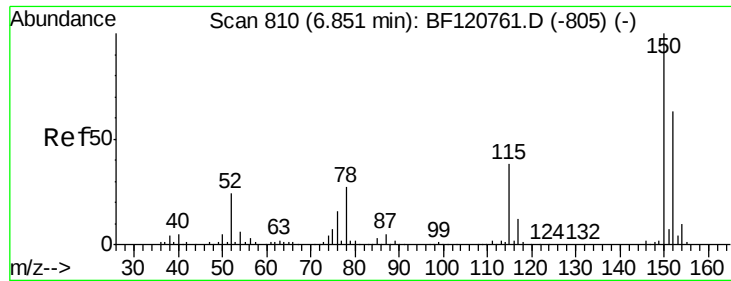
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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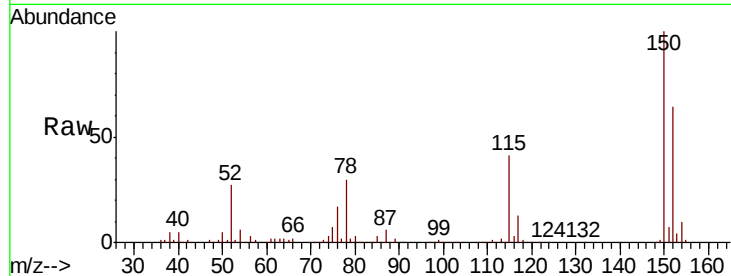


#1

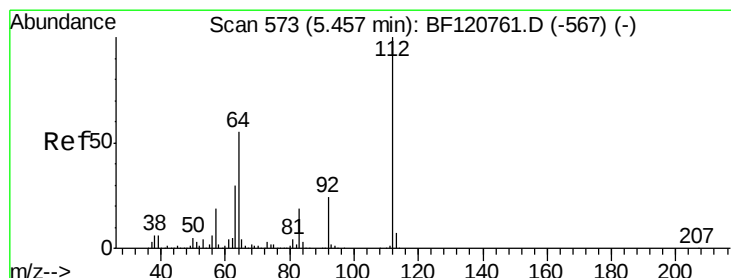
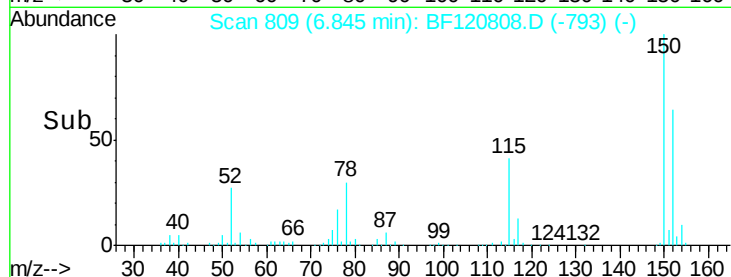
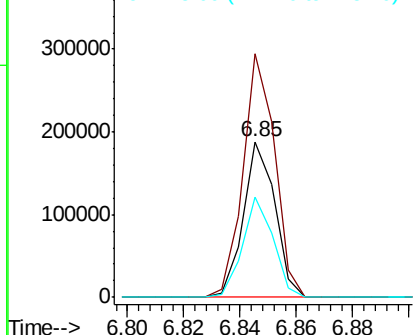
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

Instrument :
BNA_F
ClientSampleId :
PB129957BL

Tot Ion:152 Resp: 146729
Ion Ratio Lower Upper
152 100
150 156.4 126.1 189.1
115 64.5 48.5 72.7



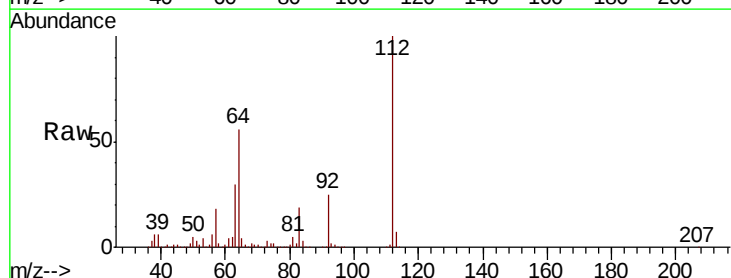
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



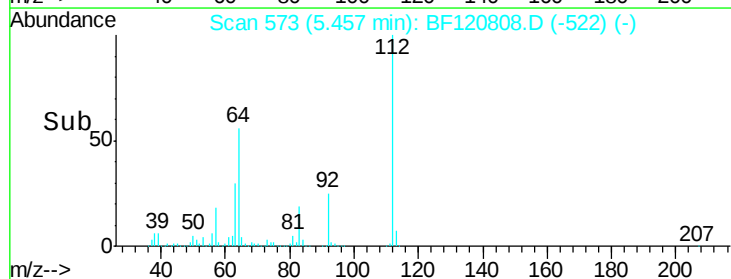
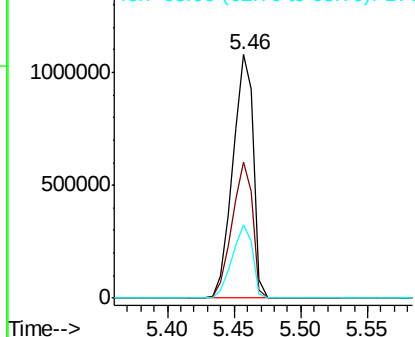
#5

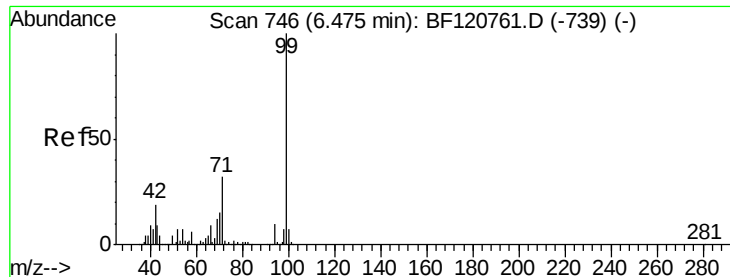
2-Fluorophenol
Concen: 123.424 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

Tgt Ion:112 Resp: 1173184
Ion Ratio Lower Upper
112 100
64 55.7 43.8 65.6
63 30.0 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: 115.230 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120808.D

Acq: 9 Jul 2020 10:07

Instrument :

BNA_F

ClientSampleId :

PB129957BL

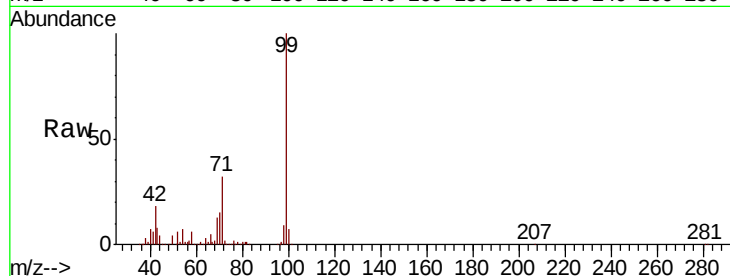
Tot Ion: 99 Resp: 1398741

Ion Ratio Lower Upper

99 100

42 17.8 15.4 23.0

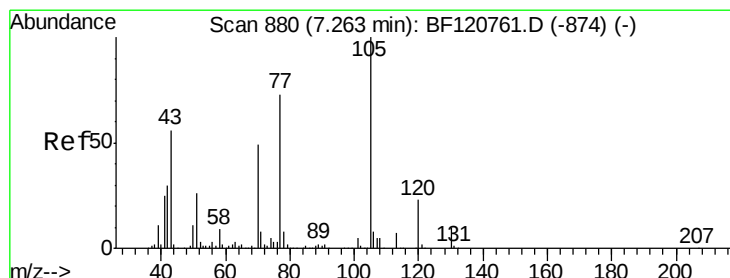
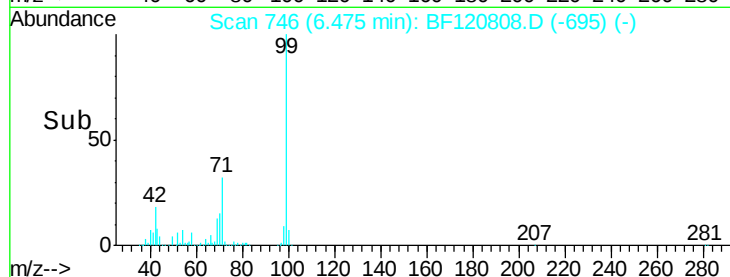
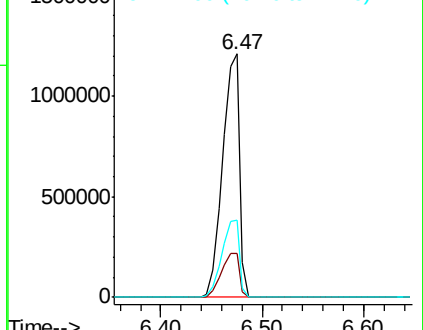
71 31.7 25.9 38.9



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: 15.761 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120808.D

Acq: 9 Jul 2020 10:07

Tgt Ion: 70 Resp: 115196

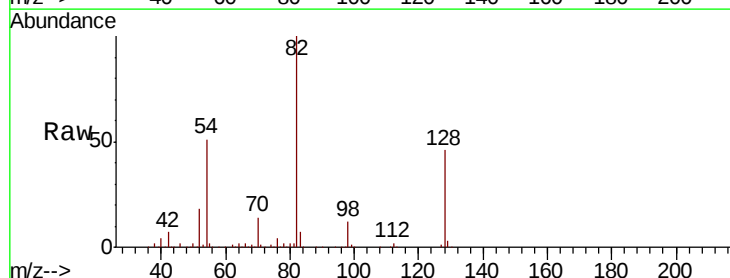
Ion Ratio Lower Upper

70 100

42 49.2 50.3 75.5#

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

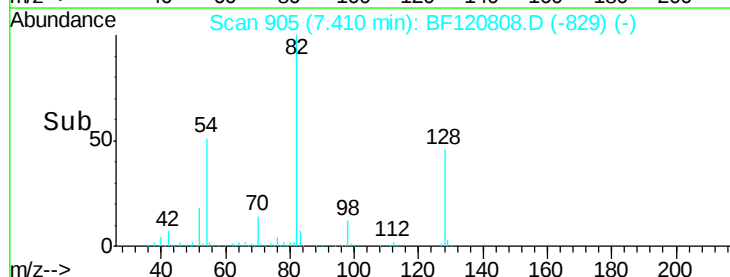
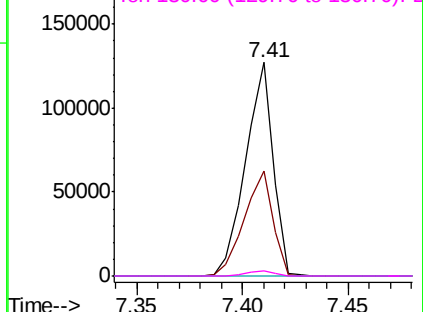


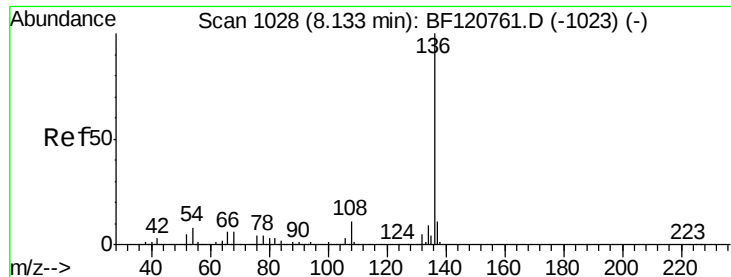
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120808.D

Acq: 9 Jul 2020 10:07

Instrument :

BNA_F

ClientSampleId :

PB129957BL

Tot Ion:136 Resp: 541472

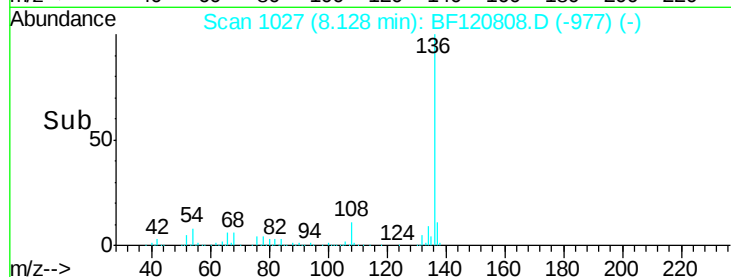
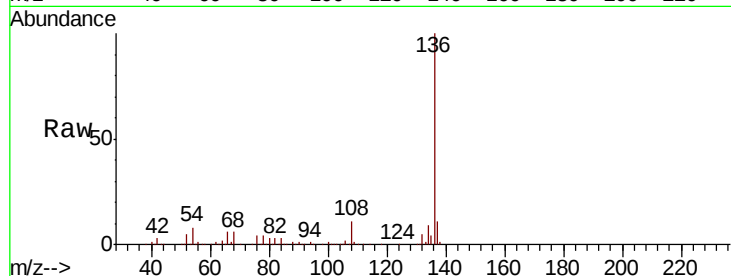
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 8.0 6.2 9.4

68 6.2 4.7 7.1

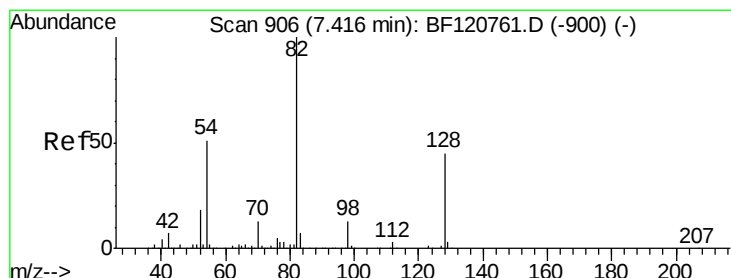
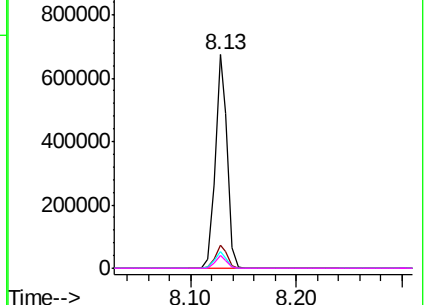


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.514 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120808.D

Acq: 9 Jul 2020 10:07

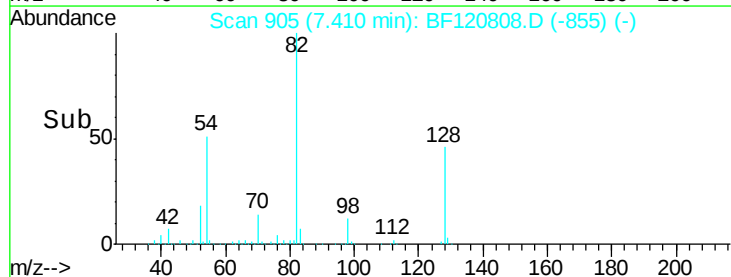
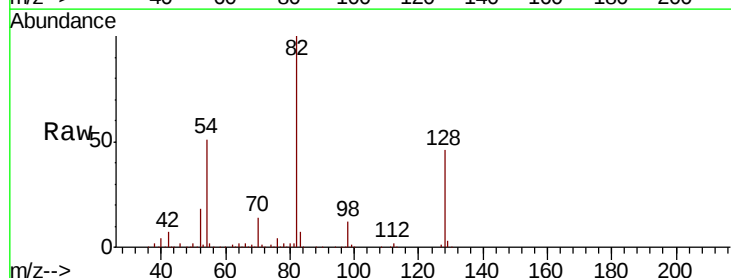
Tgt Ion: 82 Resp: 855271

Ion Ratio Lower Upper

82 100

128 45.8 35.7 53.5

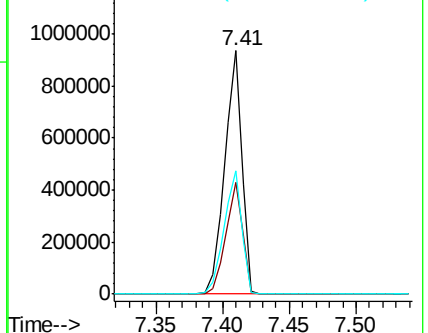
54 50.6 40.9 61.3

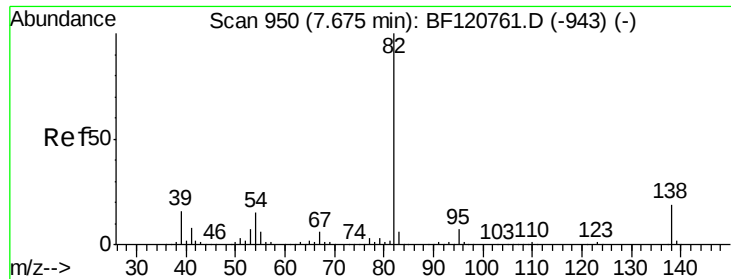


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

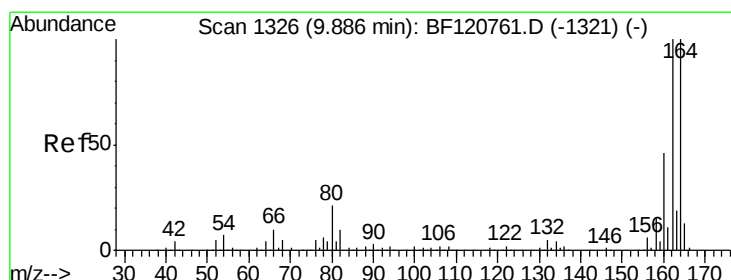
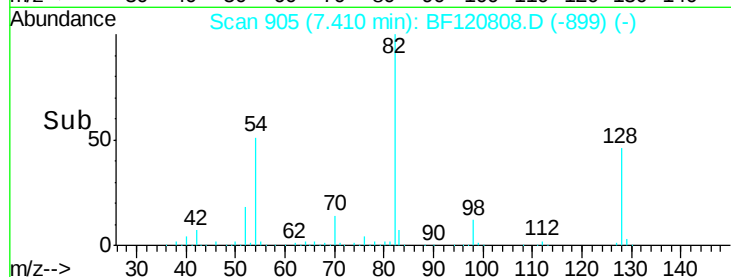
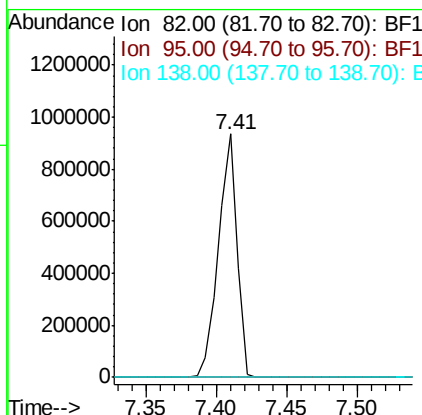
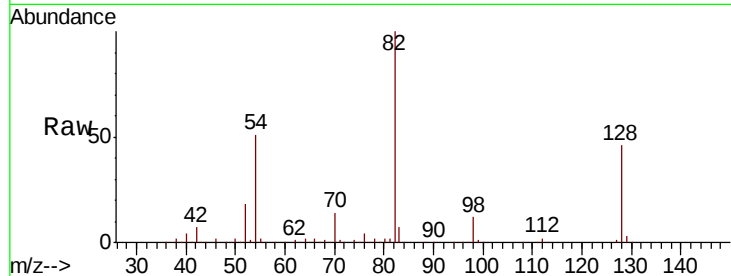




#25
Isophorone
Concen: 42.434 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

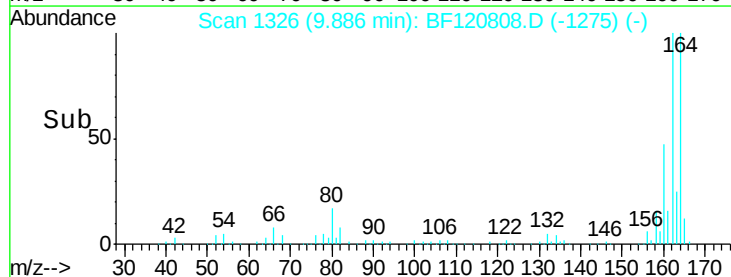
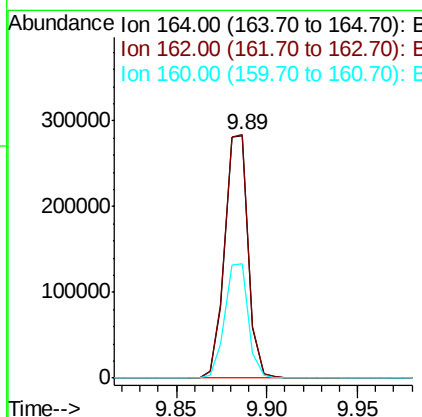
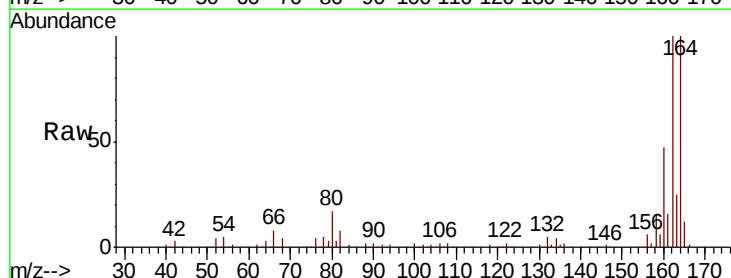
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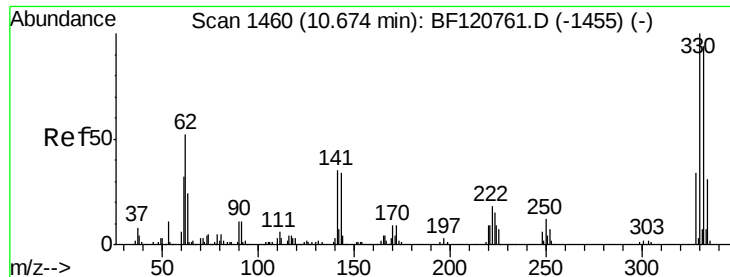
Tot Ion: 82 Resp: 855257
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

Tgt Ion: 164 Resp: 254427
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.2
160 47.0 36.9 55.3

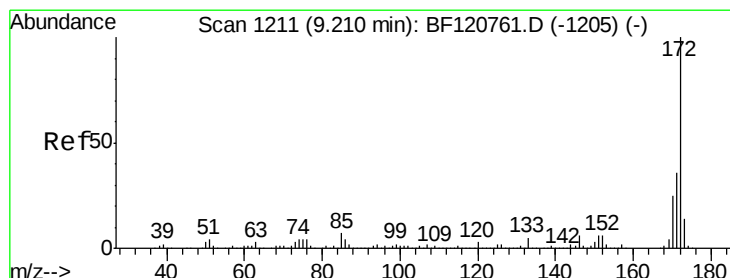
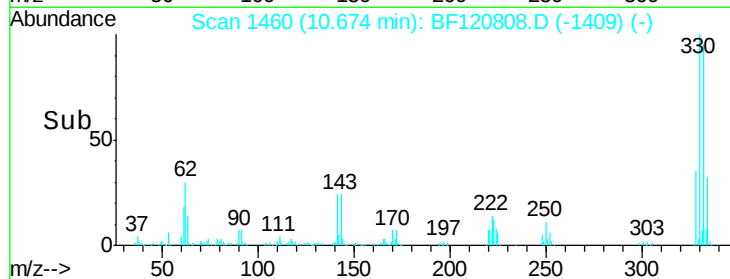
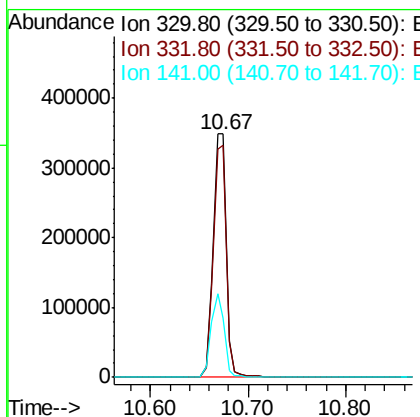
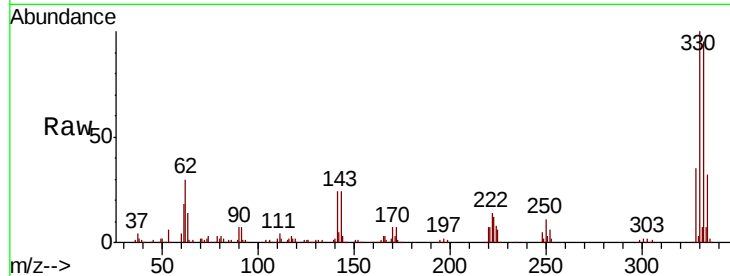




#42
 2,4,6-Tribromophenol
 Concen: 127.910 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120808.D
 Acq: 9 Jul 2020 10:07

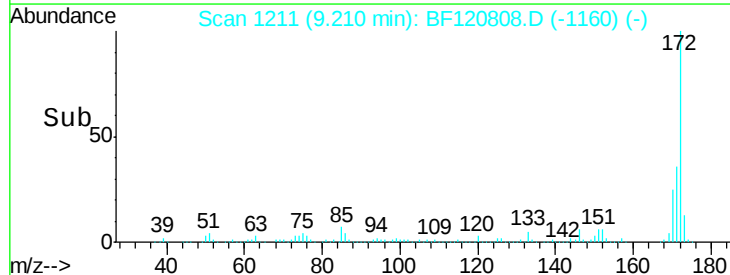
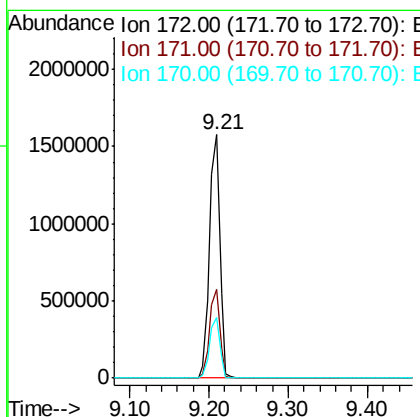
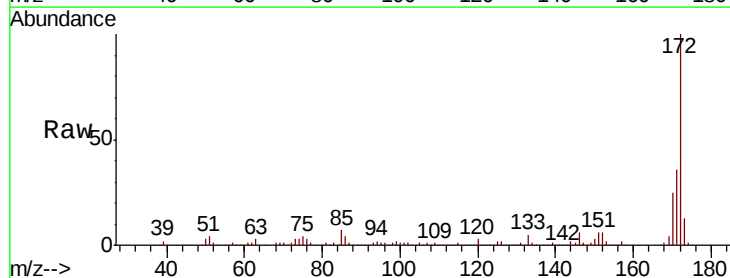
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 ClientSampleId :
 PB129957BL

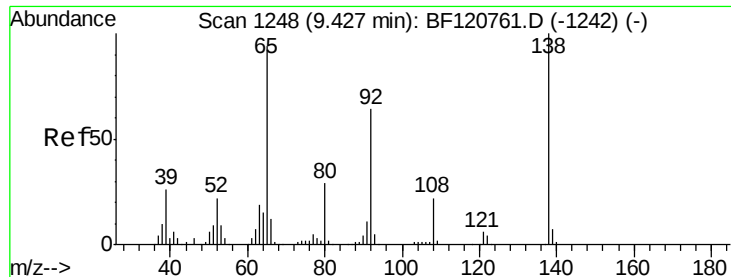
Tot Ion:330 Resp: 326948
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.8 113.6
 141 34.7 29.7 44.5



#45
 2-Fluorobiphenyl
 Concen: 85.757 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120808.D
 Acq: 9 Jul 2020 10:07

Tgt Ion:172 Resp: 1442153
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 25.1 19.8 29.6

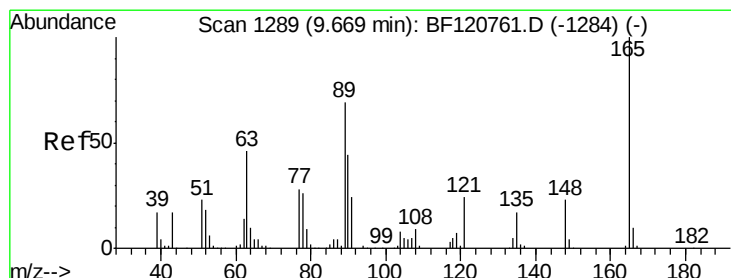
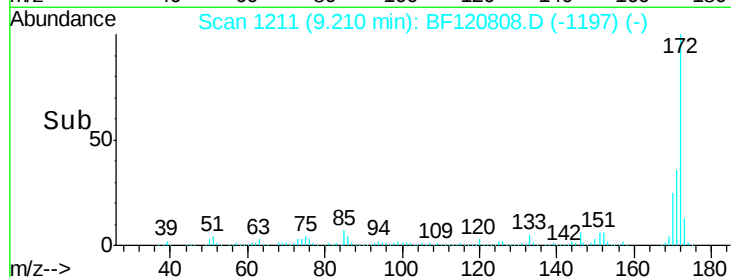
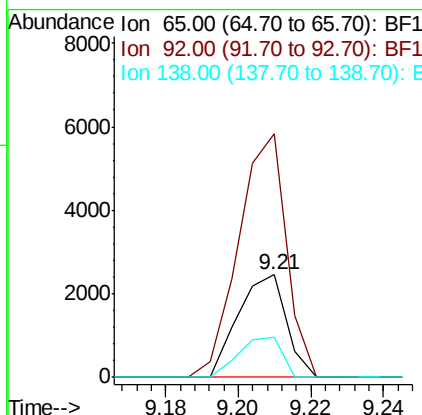
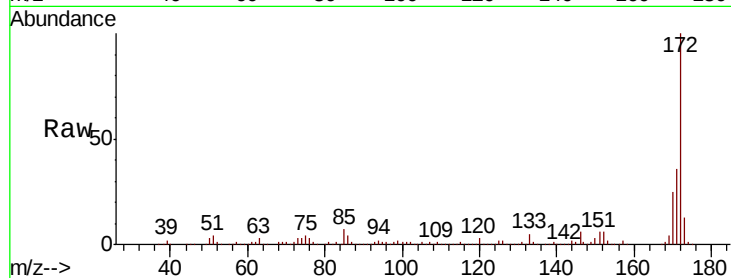




#48
2-Nitroaniline
Concen: 3.056 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.22 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

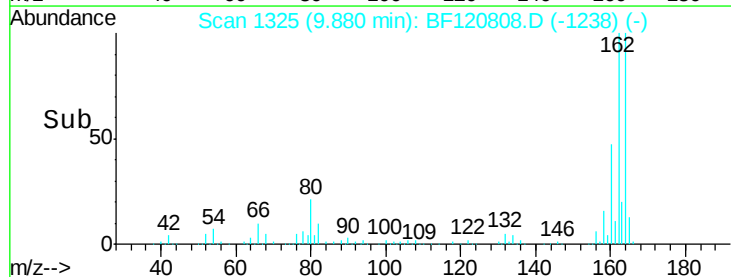
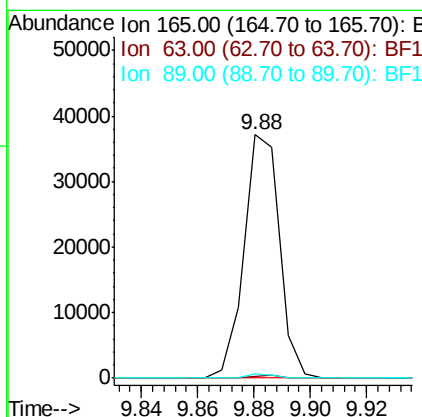
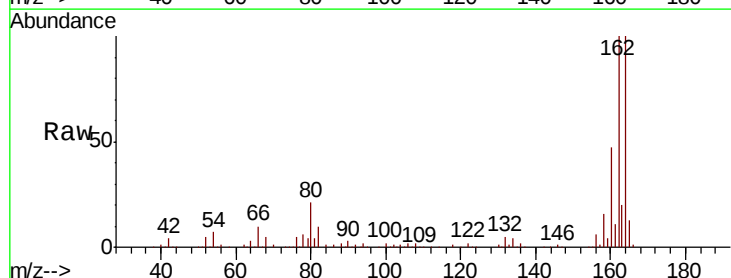
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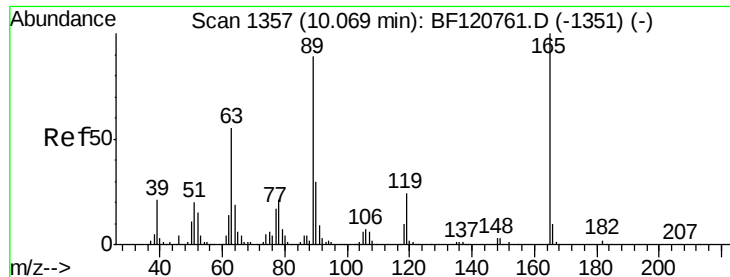
Tot Ion: 65 Resp: 2274
Ion Ratio Lower Upper
65 100
92 238.1 54.4 81.6#
138 39.6 84.7 127.1#



#51
2,6-Dinitrotoluene
Concen: 10.619 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

Tgt Ion: 165 Resp: 32303
Ion Ratio Lower Upper
165 100
63 0.9 54.0 81.0#
89 1.5 55.4 83.2#

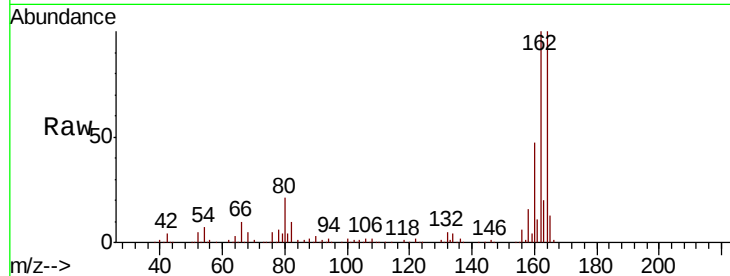




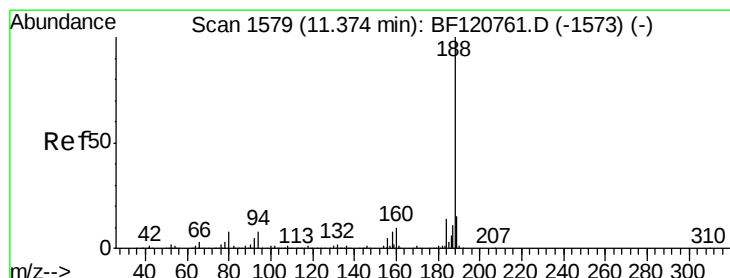
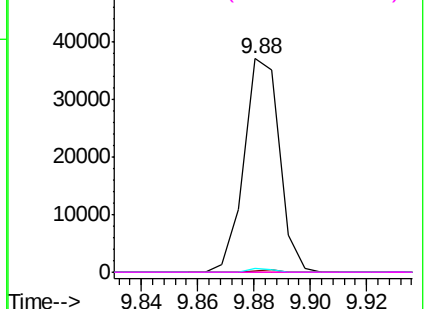
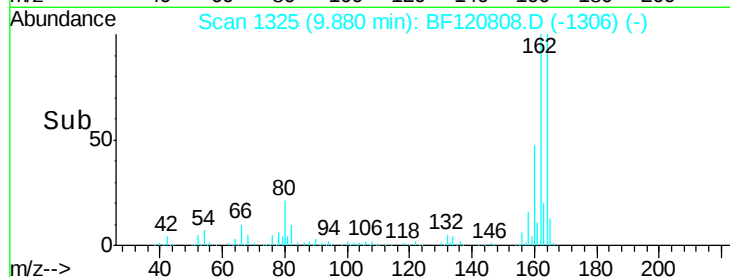
#57
 2,4-Dinitrotoluene
 Concen: 9.655 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120808.D
 Acq: 9 Jul 2020 10:07

Instrument :
 BNA_F
 ClientSampleId :
 PB129957BL

Tot Ion:165 Resp: 32303
 Ion Ratio Lower Upper
 165 100
 63 0.9 43.8 65.8#
 89 1.5 71.4 107.2#
 182 0.0 1.8 2.6#

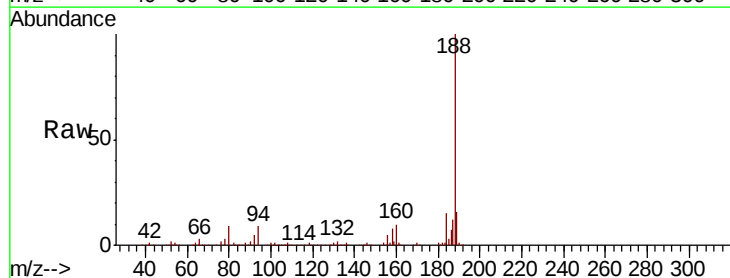


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

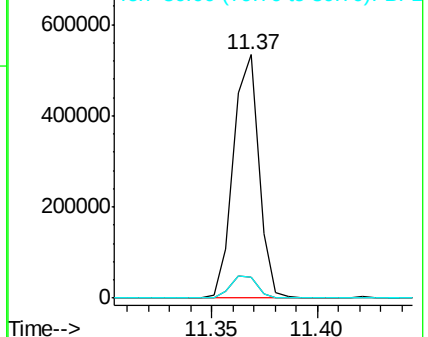
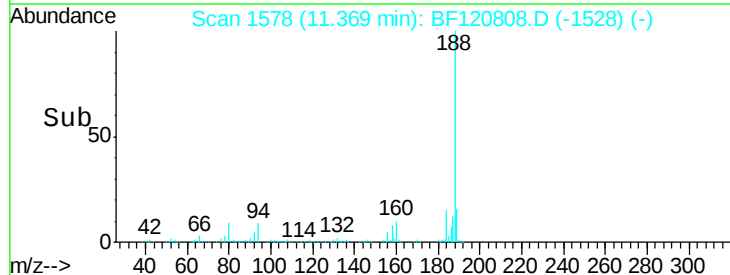


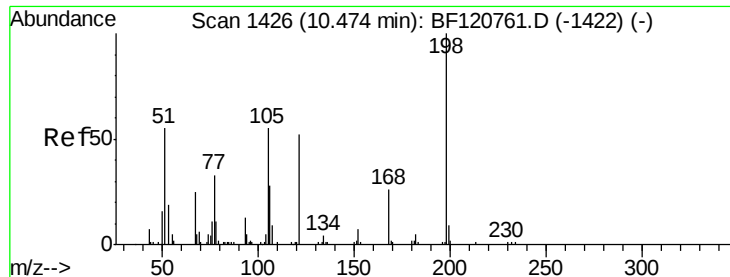
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120808.D
 Acq: 9 Jul 2020 10:07

Tgt Ion:188 Resp: 444668
 Ion Ratio Lower Upper
 188 100
 94 8.8 6.6 9.8
 80 8.6 6.6 10.0



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

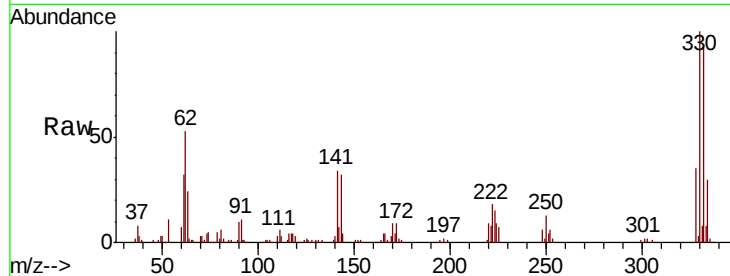




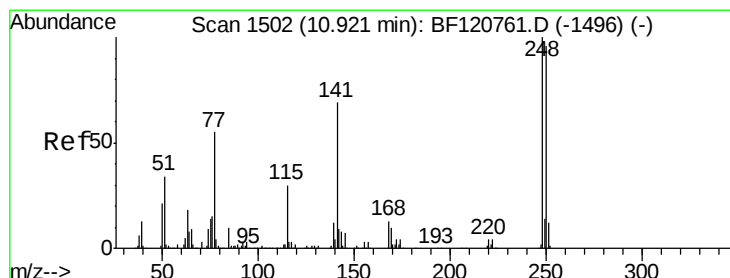
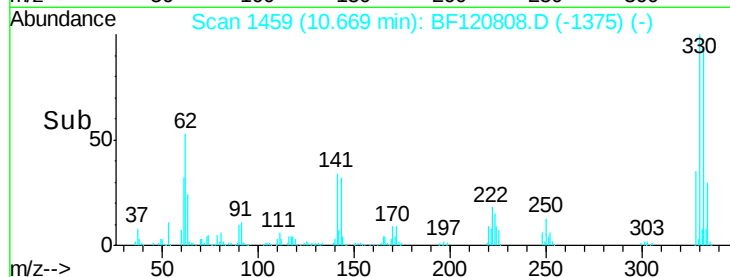
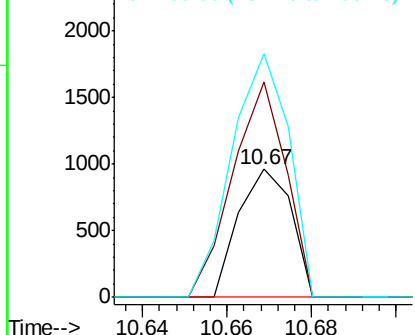
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.388 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF120808.D
 Acq: 9 Jul 2020 10:07

Instrument :
 BNA_F
 ClientSampleId :
 PB129957BL

Tot Ion:198 Resp: 832
 Ion Ratio Lower Upper
 198 100
 51 168.1 50.0 90.0#
 105 190.2 38.3 78.3#

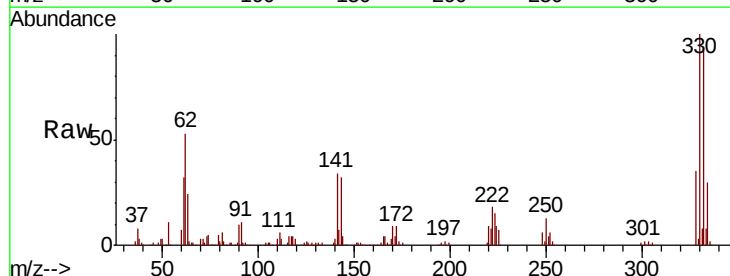


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

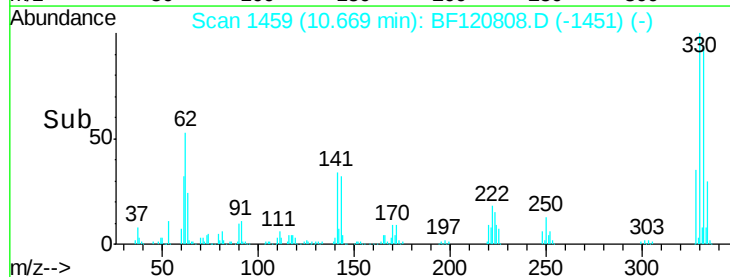
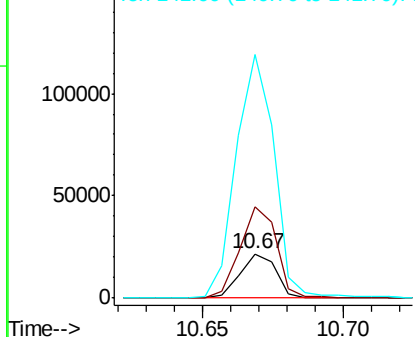


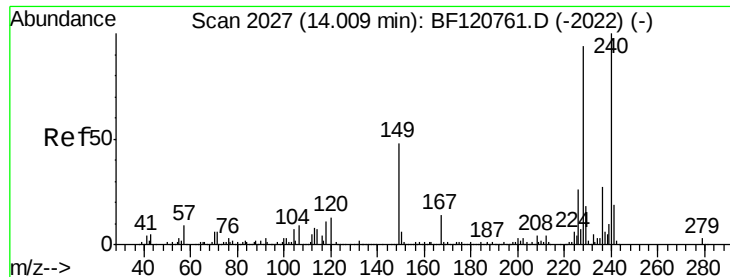
#67
 4-Bromophenyl-phenylether
 Concen: 3.737 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF120808.D
 Acq: 9 Jul 2020 10:07

Tgt Ion:248 Resp: 19278
 Ion Ratio Lower Upper
 248 100
 250 207.1 76.5 114.7#
 141 554.0 54.9 82.3#



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

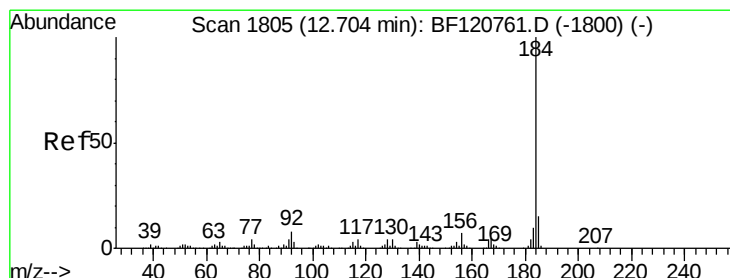
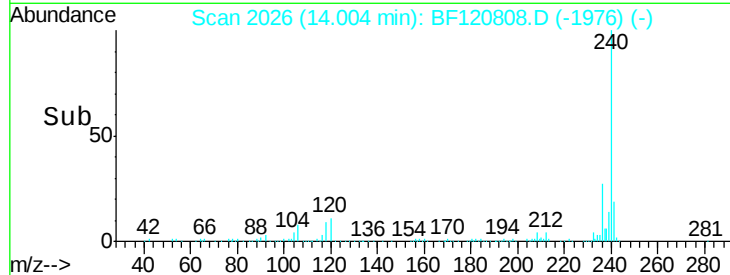
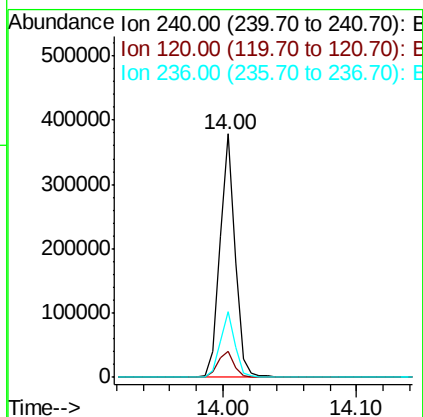
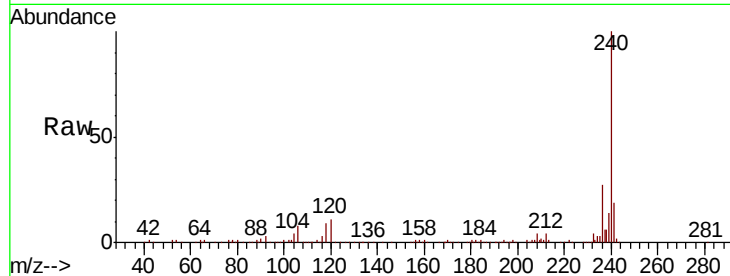




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

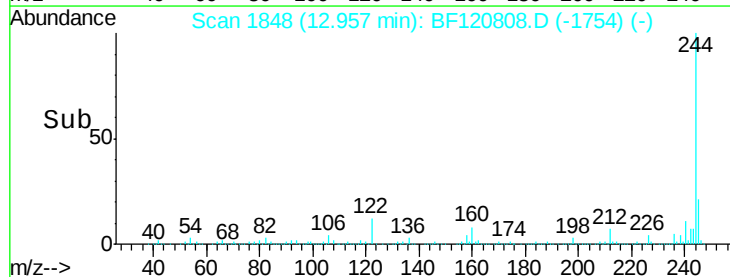
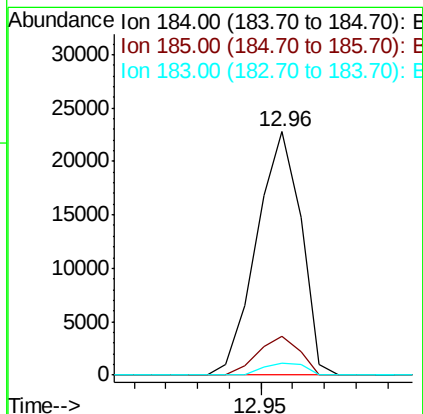
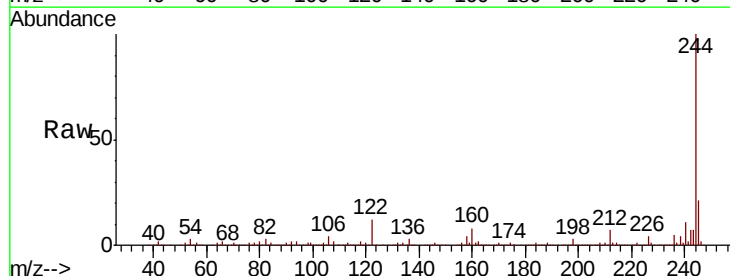
Instrument :
BNA_F
ClientSampleId :
PB129957BL

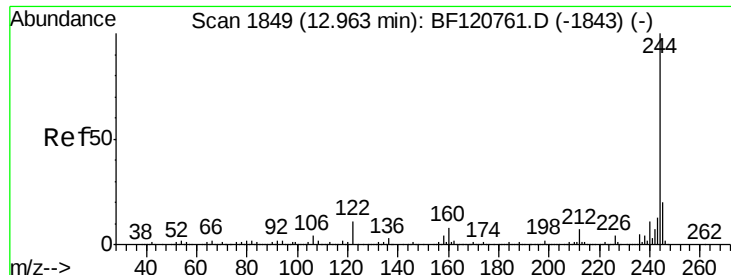
Tot Ion:240 Resp: 304681
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 27.1 21.4 32.2



#77
Benzidine
Concen: 2.579 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.25 min
Lab File: BF120808.D
Acq: 9 Jul 2020 10:07

Tgt Ion:184 Resp: 22181
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.8
183 4.7 8.3 12.5#





#79

Terphenyl-d14

Concen: 98.132 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120808.D

Acq: 9 Jul 2020 10:07

Instrument :

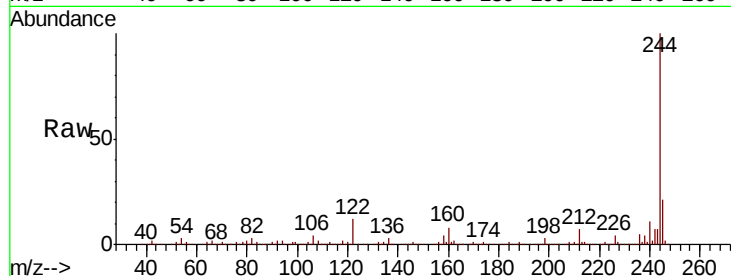
BNA_F

ClientSampleId :

PB129957BL

Tot Ion:244 Resp: 1527105

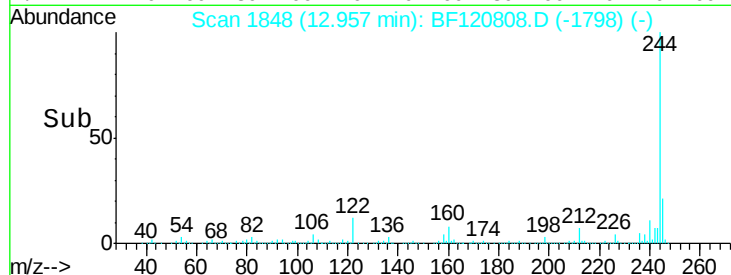
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.6	9.0	13.4



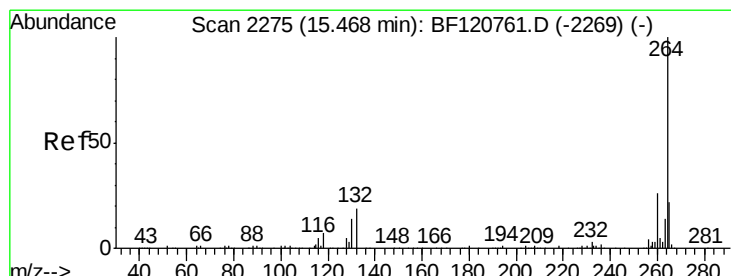
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

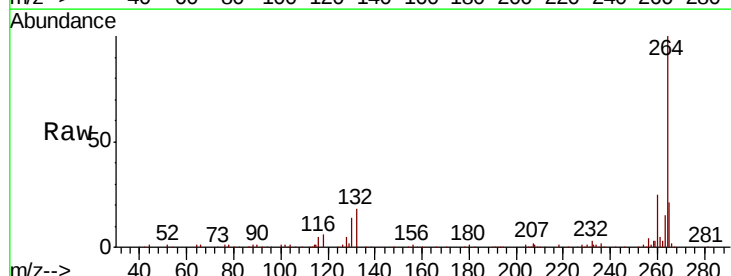
Delta R.T. -0.01 min

Lab File: BF120808.D

Acq: 9 Jul 2020 10:07

Tgt Ion:264 Resp: 265730

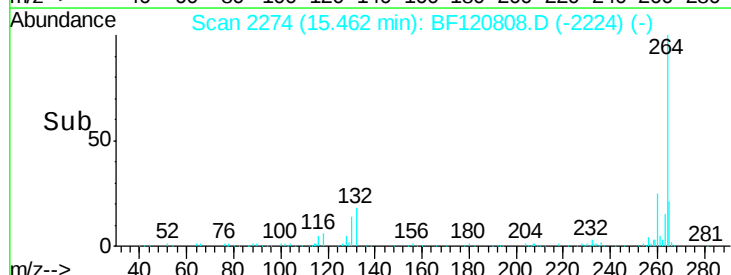
Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	20.8	17.6	26.4



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



Time-->