

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
 Data File : BF120874.D
 Acq On : 15 Jul 2020 15:42
 Operator : JU/CG
 Sample : L3289-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-2

Quant Time: Jul 15 16:11:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	177552	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	685902	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	358425	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	673397	20.00	ng	0.00
76) Chrysene-d12	13.99	240	537355	20.00	ng	-0.01
86) Perylene-d12	15.44	264	469558	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	699602	60.82	ng	0.00
7) Phenol-d6	6.45	99	863626	58.80	ng	-0.01
23) Nitrobenzene-d5	7.39	82	514598	43.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	238951	66.36	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	983128	41.50	ng	-0.01
79) Terphenyl-d14	12.94	244	1020102	37.17	ng	0.00

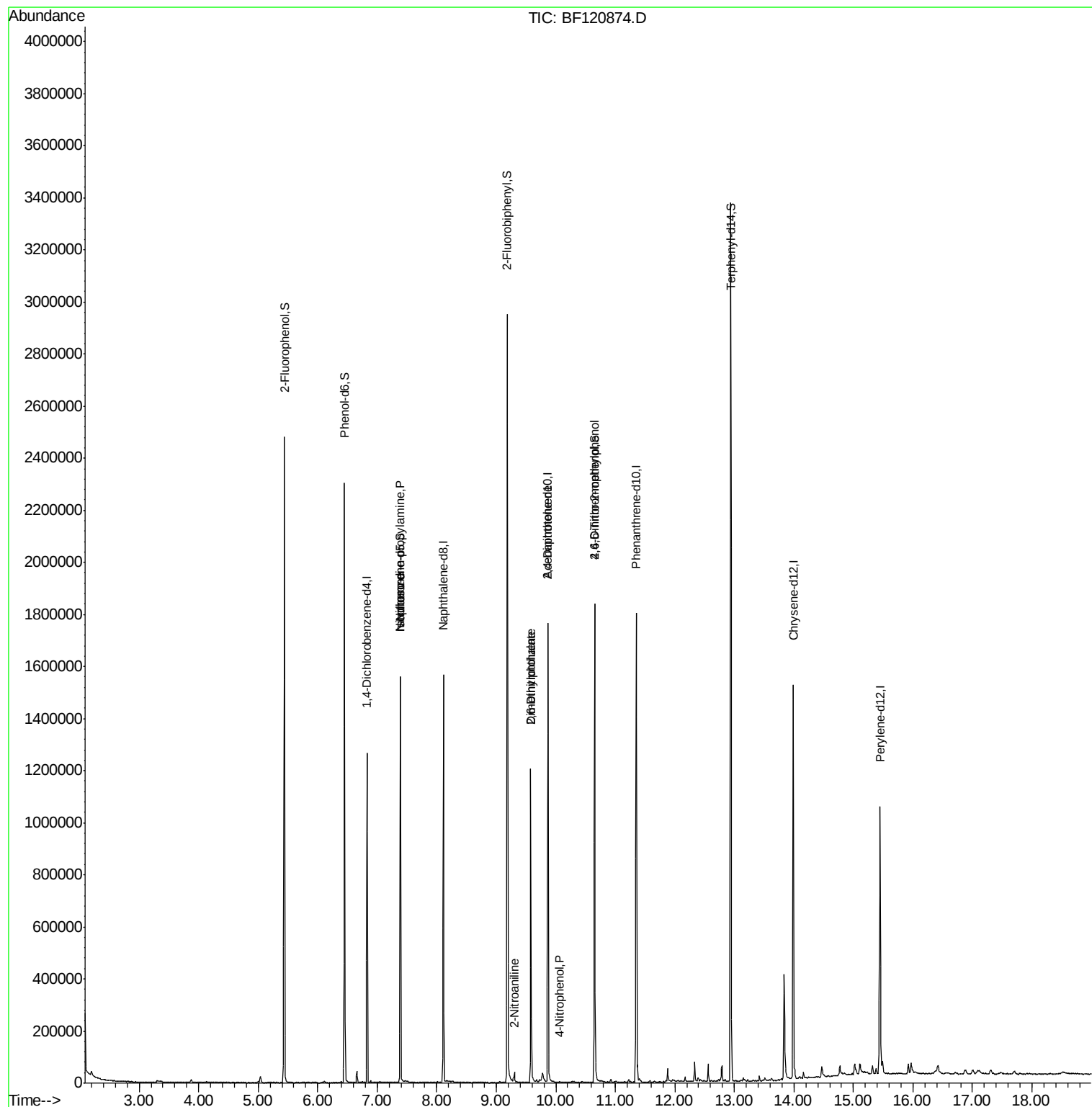
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	67255	7.604	ng	# 77
25) Isophorone	7.39	82	514592	20.156	ng	# 64
48) 2-Nitroaniline	9.30	65	401	2.674	ng	# 5
50) Dimethylphthalate	9.59	163	532317	20.359	ng	99
51) 2,6-Dinitrotoluene	9.58	165	5374	3.263	ng	# 18
56) 4-Nitrophenol	10.07	139	253	2.143	ng	# 5
57) 2,4-Dinitrotoluene	9.87	165	45254	9.618	ng	# 14
65) 4,6-Dinitro-2-methylphenol	10.65	198	564	7.178	ng	# 1

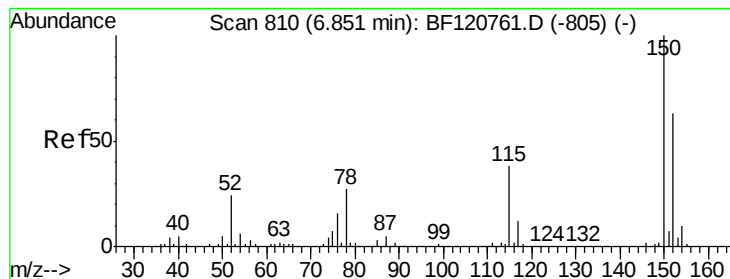
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120874.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
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IRON-2

Quant Time: Jul 15 16:11:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 14:16:14 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

Instrument :

BNA_F

ClientSampleId :

IRON-2

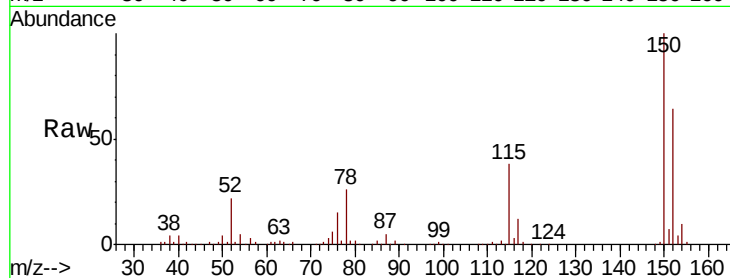
Tot Ion:152 Resp: 177552

Ion Ratio Lower Upper

152 100

150 157.1 126.1 189.1

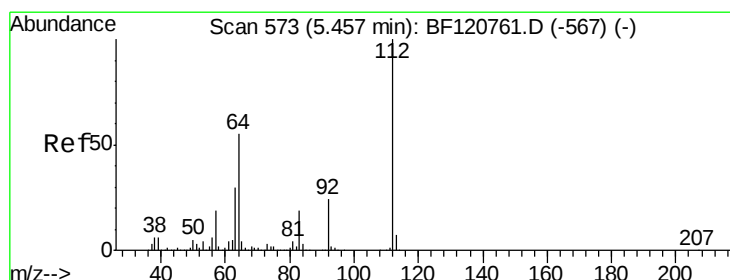
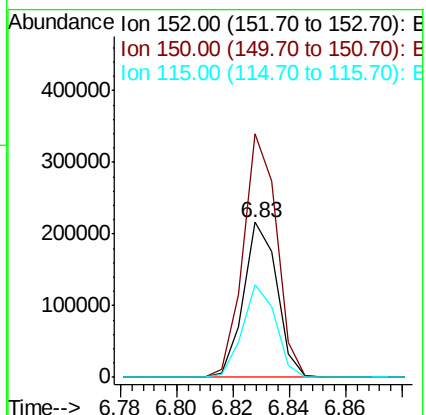
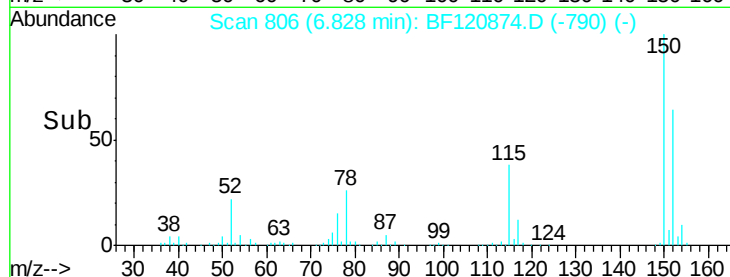
115 59.9 48.5 72.7



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: 60.824 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

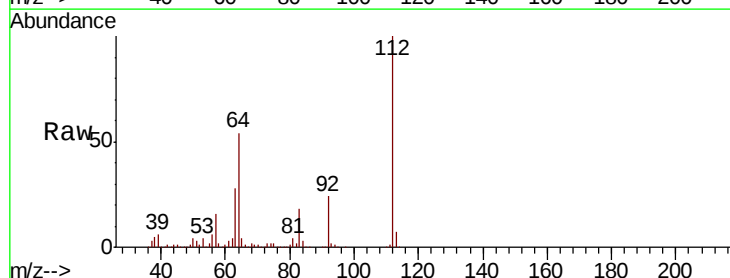
Tgt Ion:112 Resp: 699602

Ion Ratio Lower Upper

112 100

64 54.2 43.8 65.6

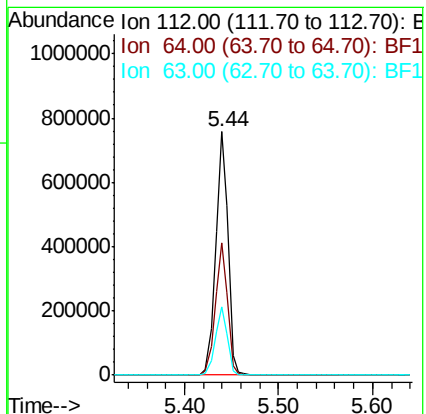
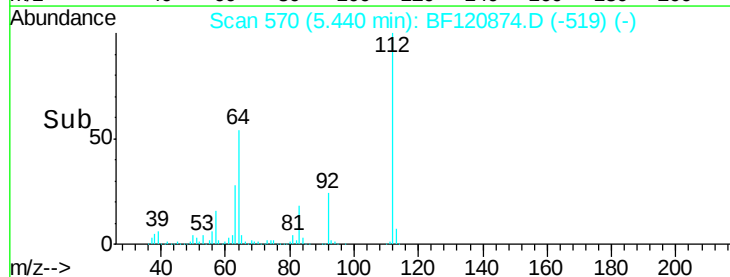
63 28.2 23.6 35.4



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: 58.795 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

Instrument :

BNA_F

ClientSampleId :

IRON-2

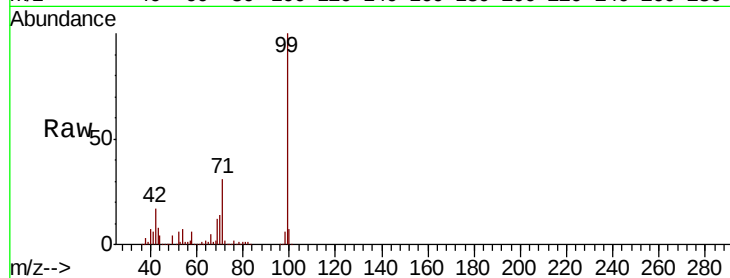
Tot Ion: 99 Resp: 863626

Ion Ratio Lower Upper

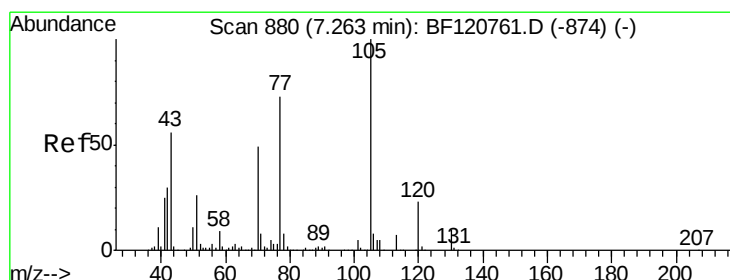
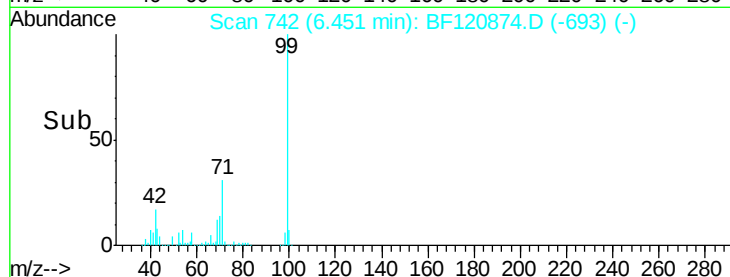
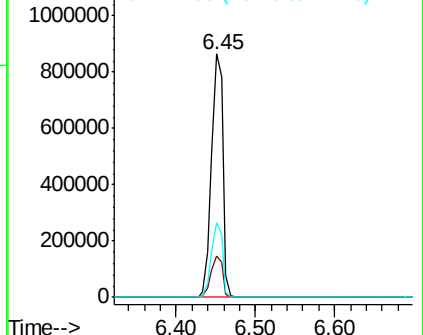
99 100

42 17.2 15.4 23.0

71 30.9 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: 7.604 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

Tgt Ion: 70 Resp: 67255

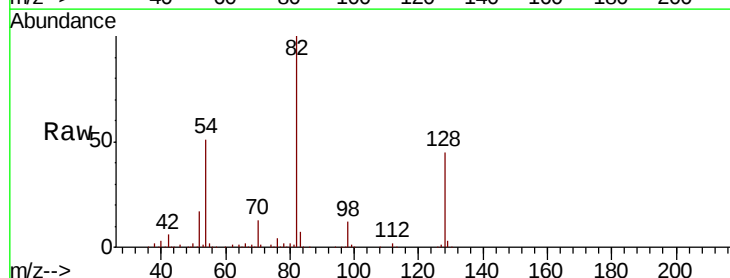
Ion Ratio Lower Upper

70 100

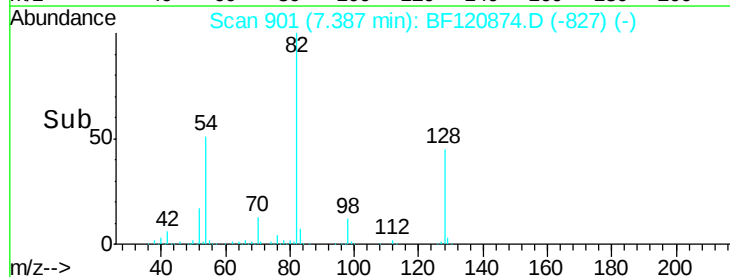
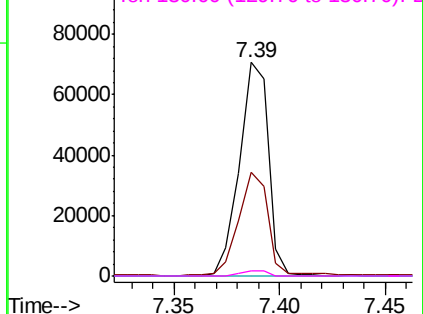
42 48.8 50.3 75.5#

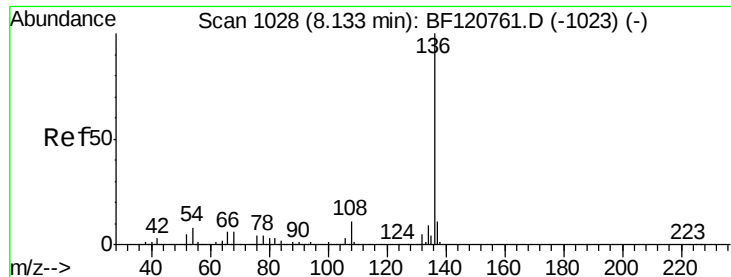
101 0.0 7.5 11.3#

130 2.3 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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

Instrument :

BNA_F

ClientSampleId :

IRON-2

Tot Ion:136 Resp: 685902

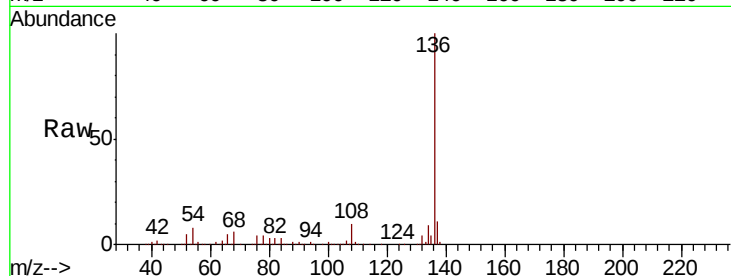
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.0 6.2 9.4

68 6.3 4.7 7.1

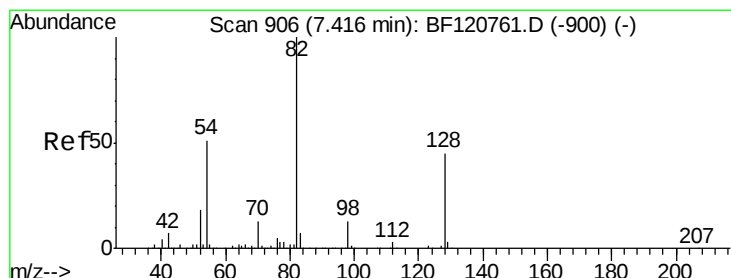
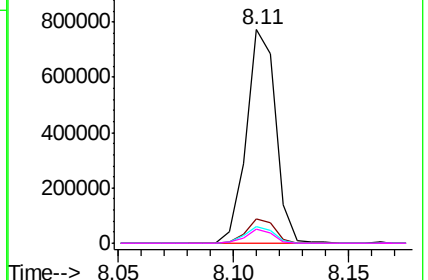
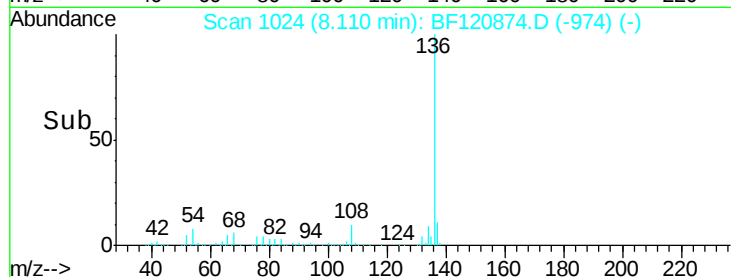


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.468 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

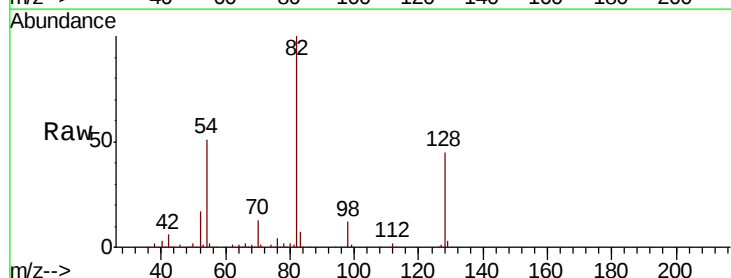
Tgt Ion: 82 Resp: 514598

Ion Ratio Lower Upper

82 100

128 44.9 35.7 53.5

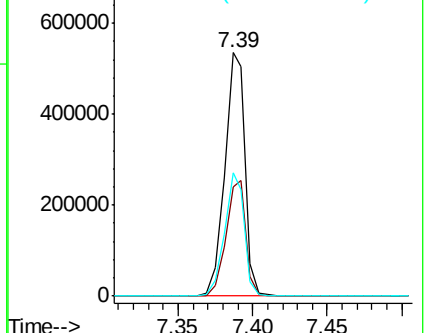
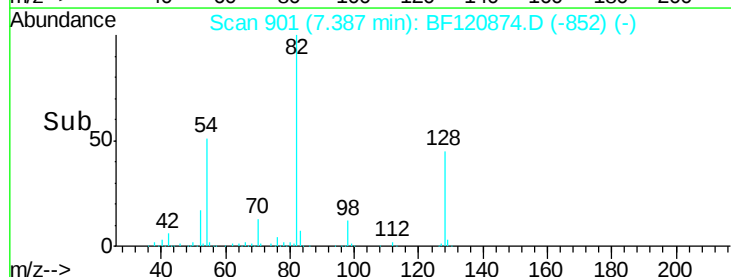
54 50.6 40.9 61.3

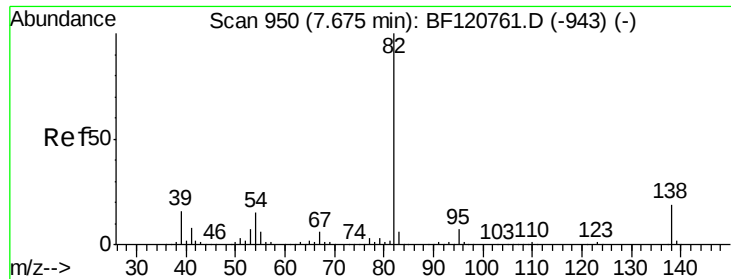


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

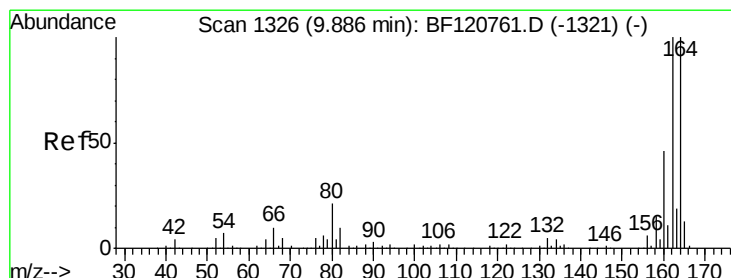
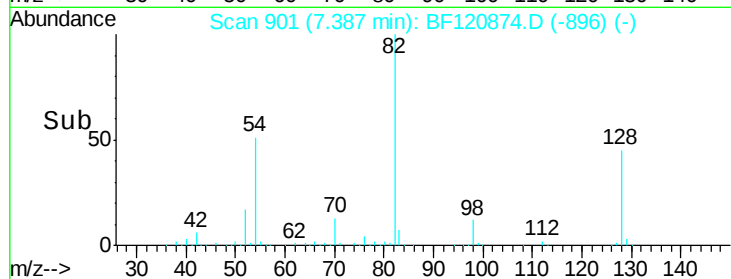
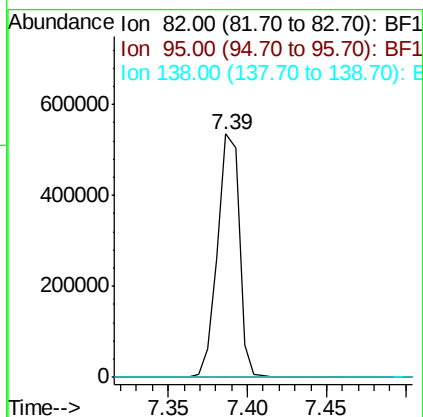
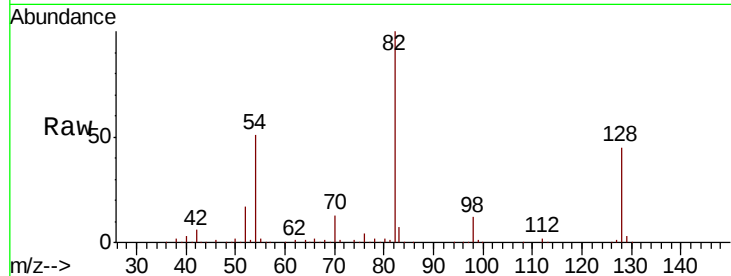




#25
Isophorone
Concen: 20.156 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.27 min
Lab File: BF120874.D
Acq: 15 Jul 2020 15:42

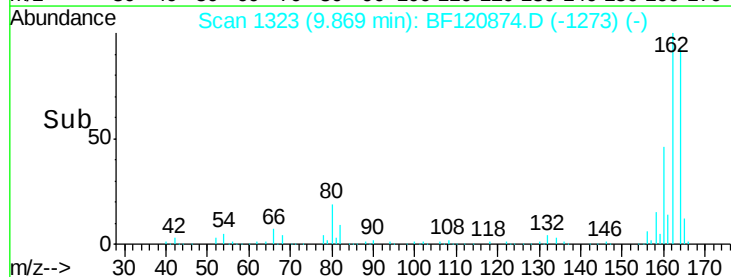
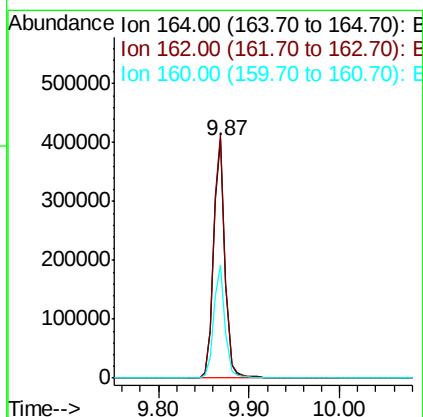
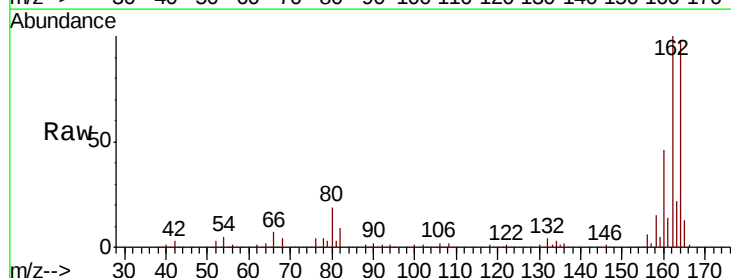
Instrument :
BNA_F
ClientSampleId :
IRON-2

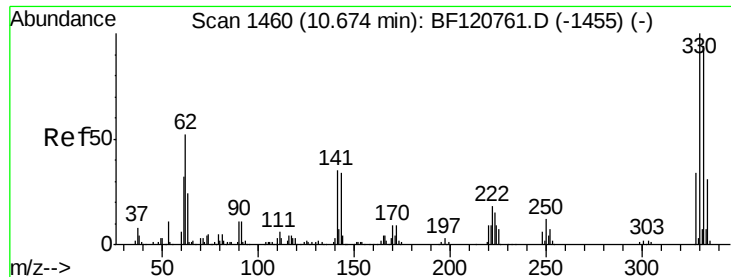
Tot Ion: 82 Resp: 514592
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120874.D
Acq: 15 Jul 2020 15:42

Tgt Ion: 164 Resp: 358425
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 47.3 36.9 55.3

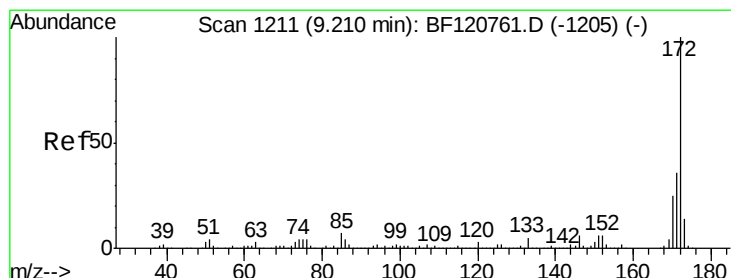
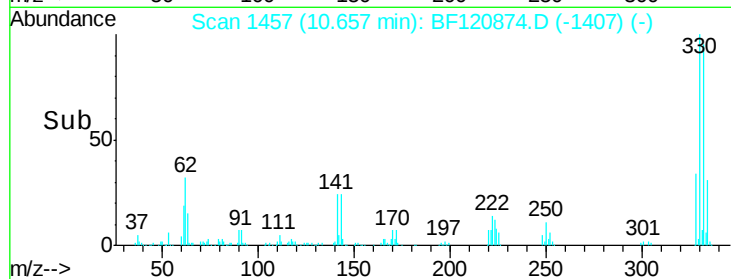
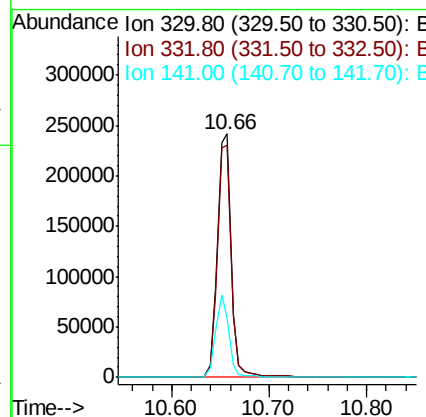
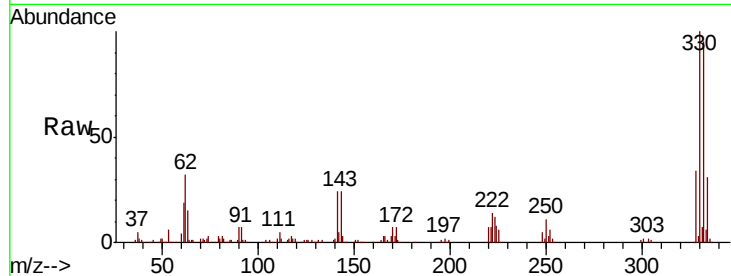




#42
 2,4,6-Tribromophenol
 Concen: 66.359 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF120874.D
 Acq: 15 Jul 2020 15:42

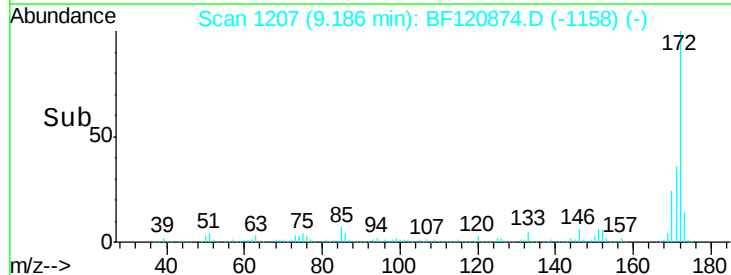
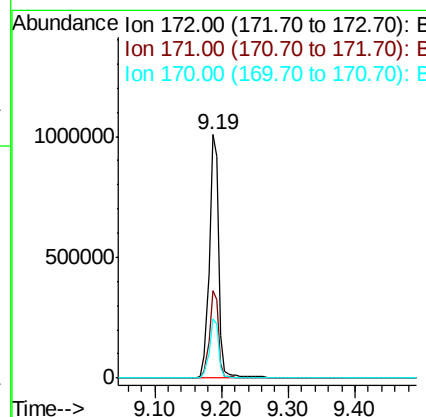
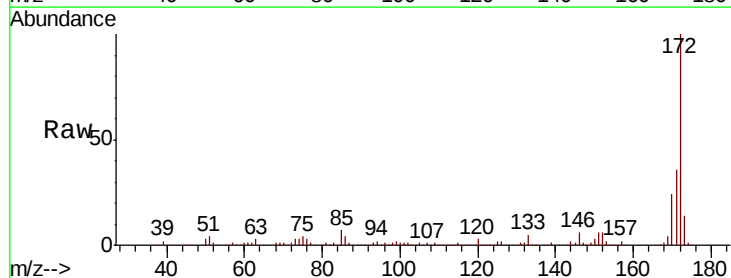
Instrument :
 BNA_F
 ClientSampleId :
 IRON-2

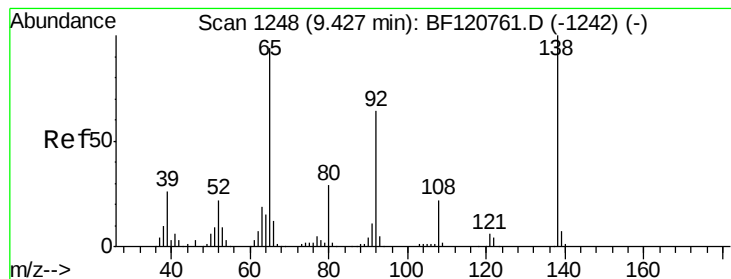
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.8	113.6
141	32.9	29.7	44.5



#45
 2-Fluorobiphenyl
 Concen: 41.499 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF120874.D
 Acq: 15 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.1	43.7
170	24.1	19.8	29.6





#48

2-Nitroaniline

Concen: 2.674 ng

RT: 9.30 min Scan# 1227

Delta R.T. -0.11 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

Instrument :

BNA_F

ClientSampleId :

IRON-2

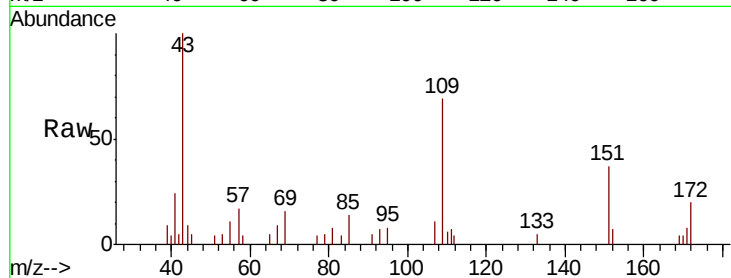
Tot Ion: 65 Resp: 401

Ion Ratio Lower Upper

65 100

92 0.0 54.4 81.6#

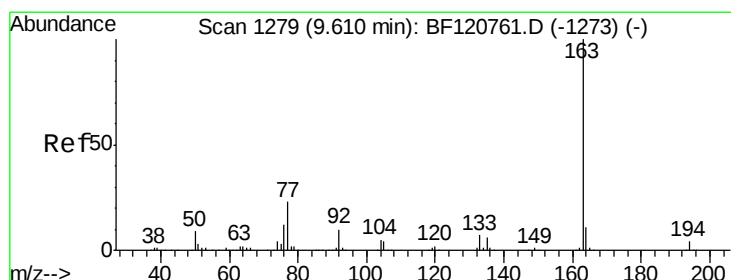
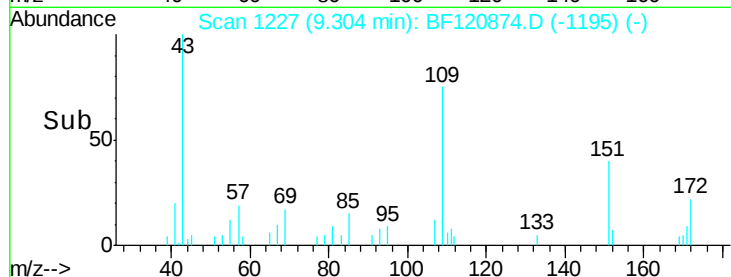
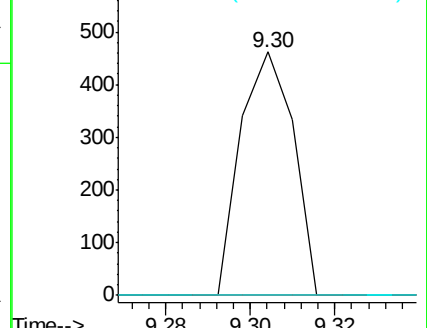
138 0.0 84.7 127.1#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#50

Dimethylphthalate

Concen: 20.359 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

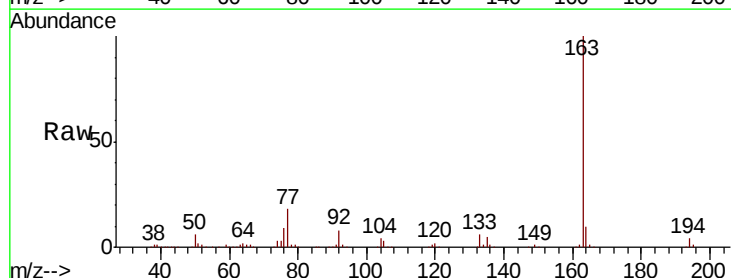
Tgt Ion: 163 Resp: 532317

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

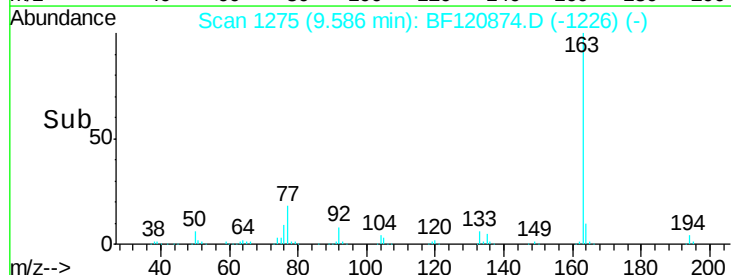
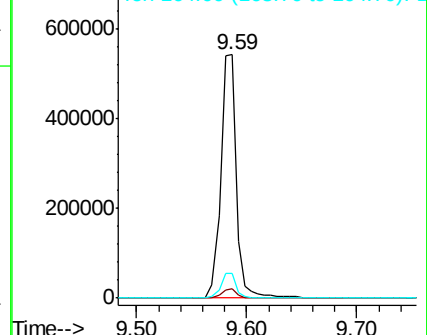
164 10.0 8.5 12.7

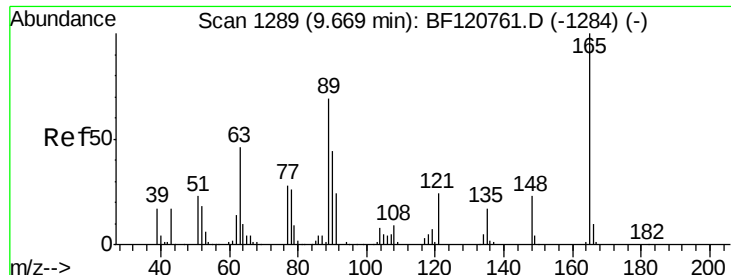


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

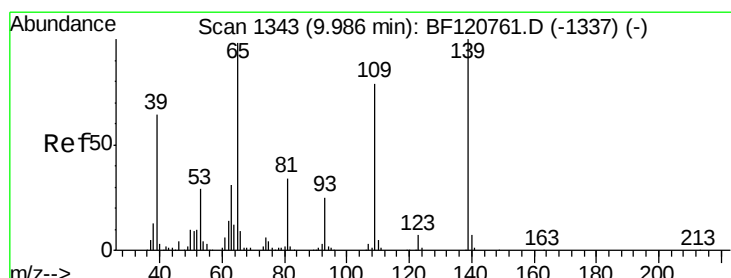
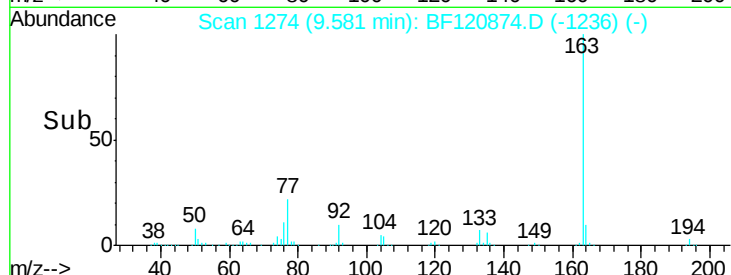
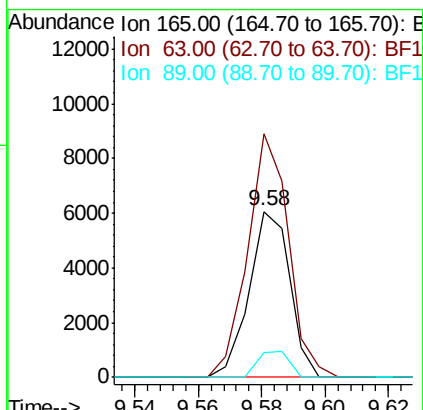
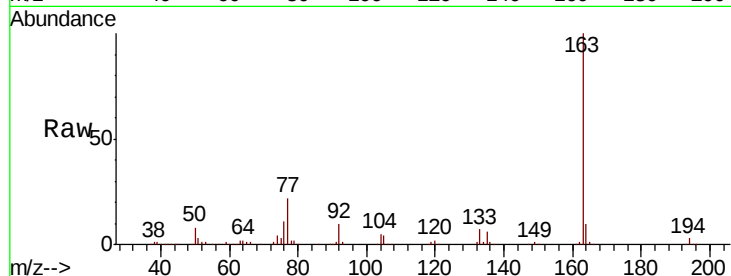




#51
 2,6-Dinitrotoluene
 Concen: 3.263 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.08 min
 Lab File: BF120874.D
 Acq: 15 Jul 2020 15:42

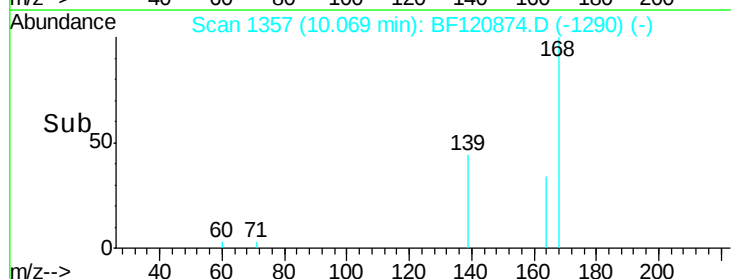
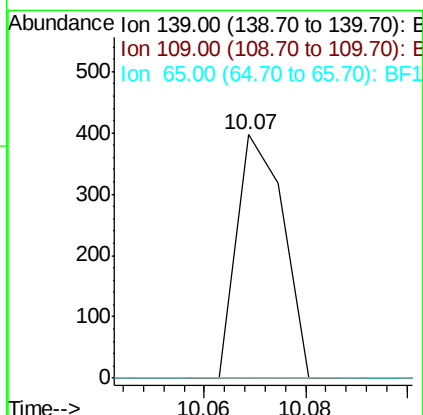
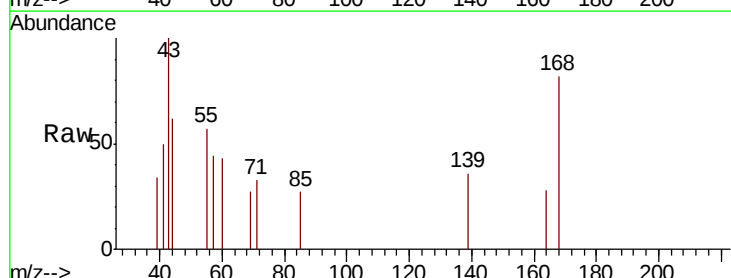
Instrument :
 BNA_F
 ClientSampleId :
 IRON-2

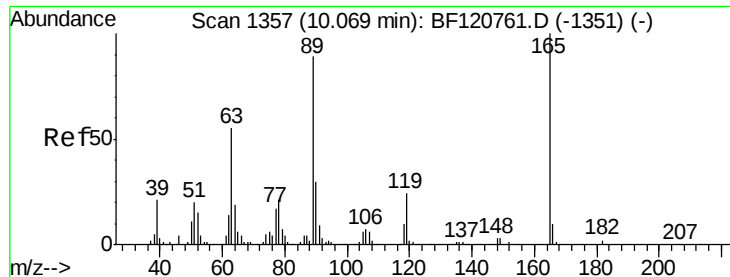
Tot Ion	Ratio	Lower	Upper
165	100		
63	146.6	54.0	81.0#
89	15.0	55.4	83.2#



#56
 4-Nitrophenol
 Concen: 2.143 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.09 min
 Lab File: BF120874.D
 Acq: 15 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	58.6	98.6#
65	0.0	78.7	118.7#

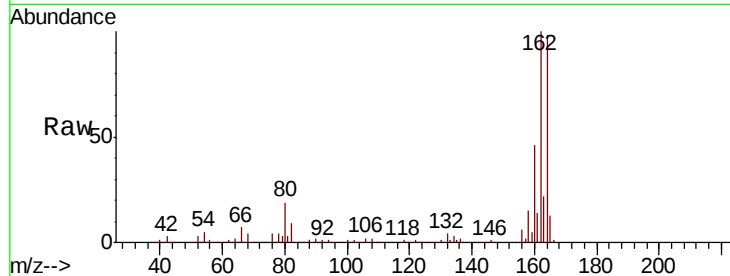




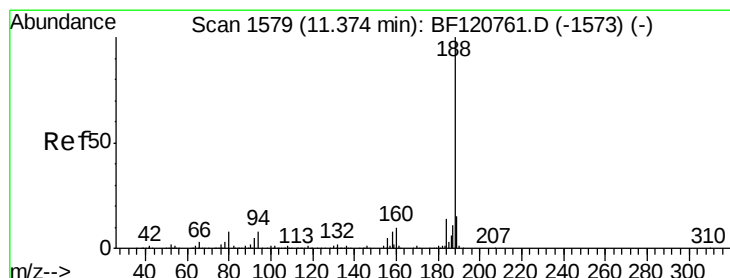
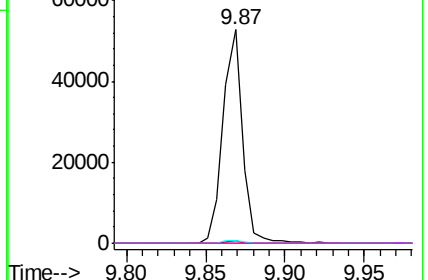
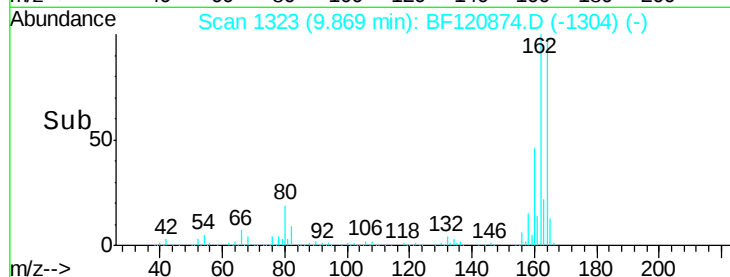
#57
 2,4-Dinitrotoluene
 Concen: 9.618 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF120874.D
 Acq: 15 Jul 2020 15:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-2

Tot Ion:165 Resp: 45254
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.8 65.8#
 89 0.9 71.4 107.2#
 182 0.0 1.8 2.6#

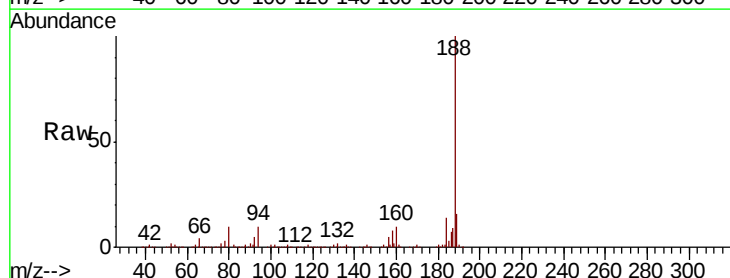


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

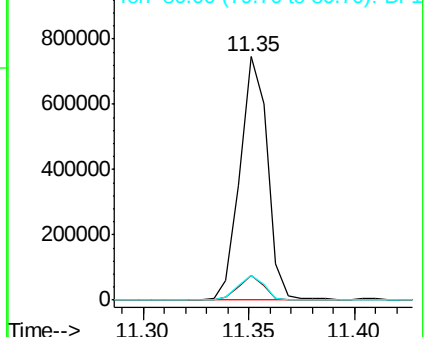
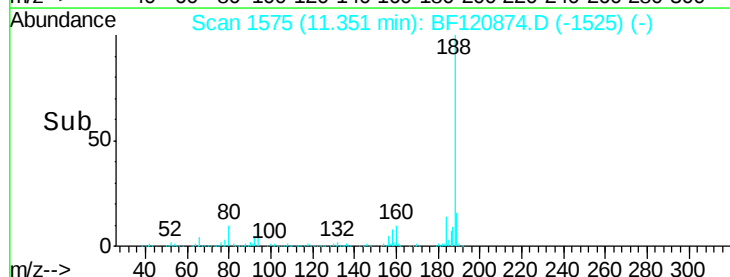


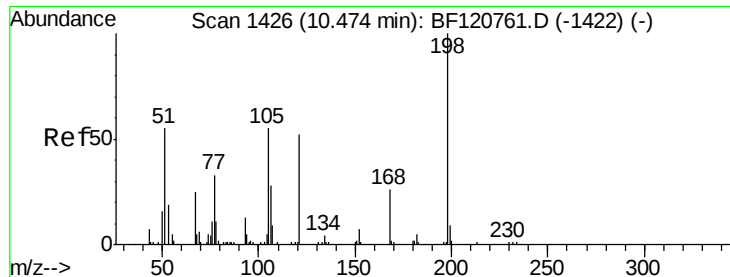
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF120874.D
 Acq: 15 Jul 2020 15:42

Tgt Ion:188 Resp: 673397
 Ion Ratio Lower Upper
 188 100
 94 10.2 6.6 9.8#
 80 10.4 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

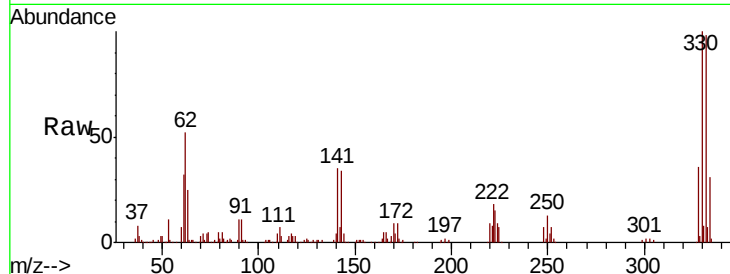




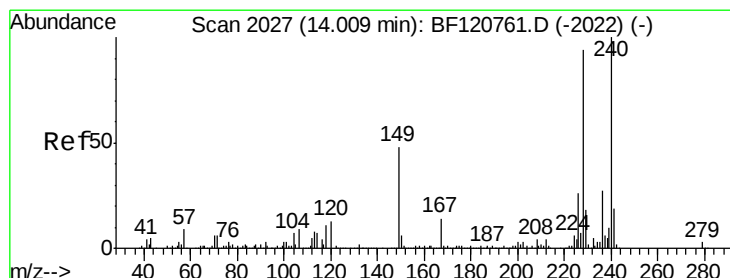
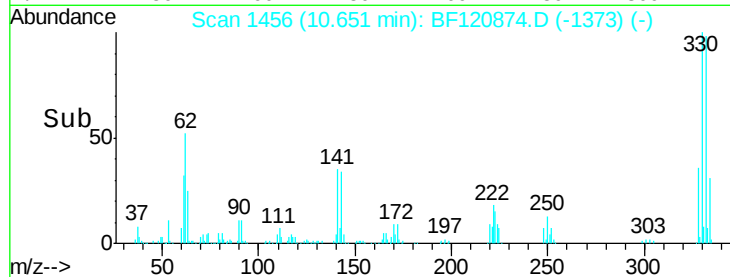
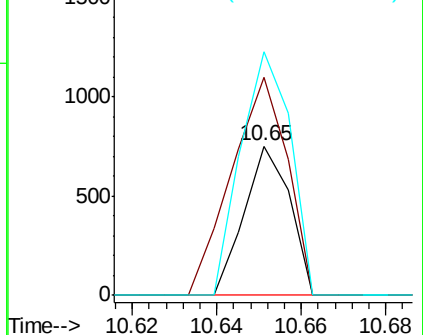
#65
4,6-Dinitro-2-methylphenol
Concen: 7.178 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.19 min
Lab File: BF120874.D
Acq: 15 Jul 2020 15:42

Instrument :
BNA_F
ClientSampleId :
IRON-2

Tot Ion:198 Resp: 564
Ion Ratio Lower Upper
198 100
51 146.1 50.0 90.0#
105 163.2 38.3 78.3#

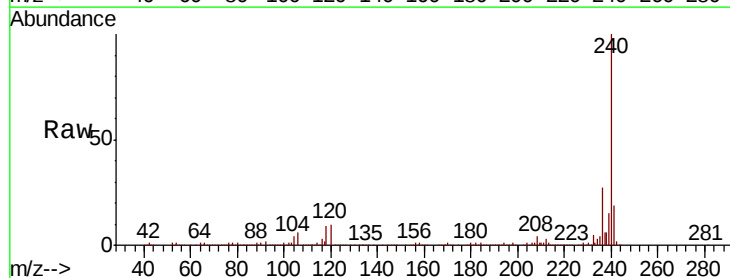


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

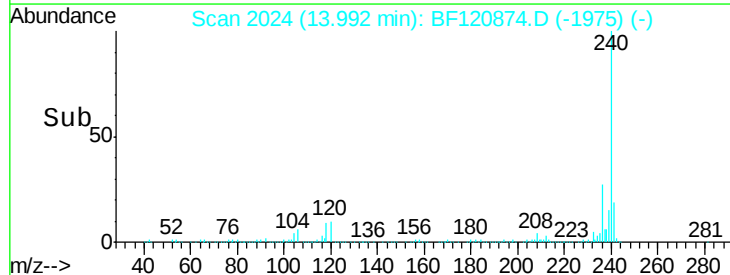
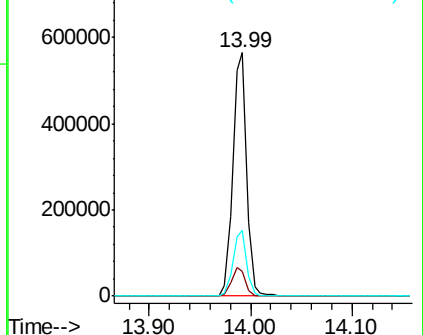


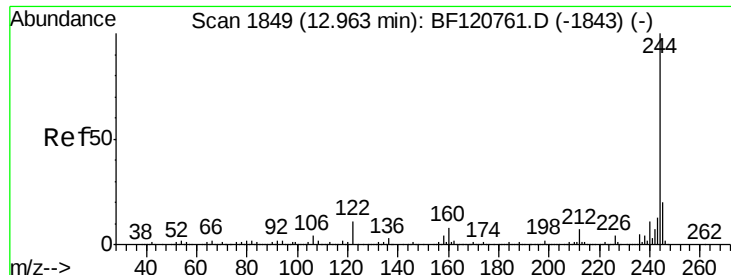
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120874.D
Acq: 15 Jul 2020 15:42

Tgt Ion:240 Resp: 537355
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5#
236 27.2 21.4 32.2



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





#79

Terphenyl-d14

Concen: 37.168 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

Instrument :

BNA_F

ClientSampleId :

IRON-2

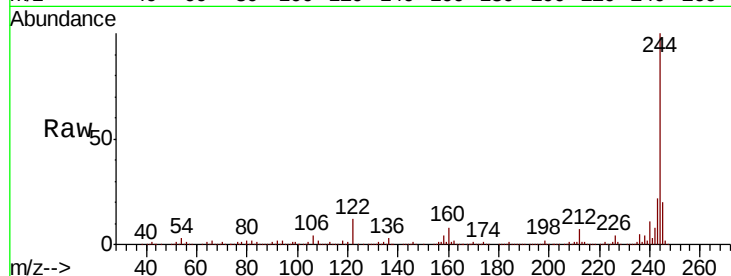
Tot Ion:244 Resp: 1020102

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

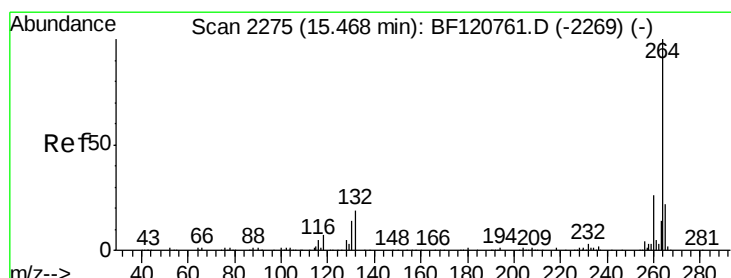
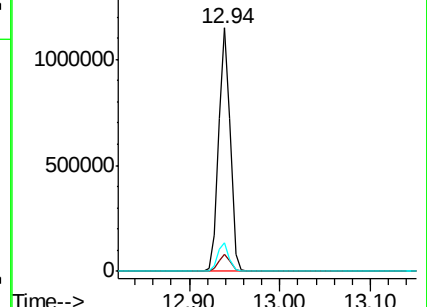
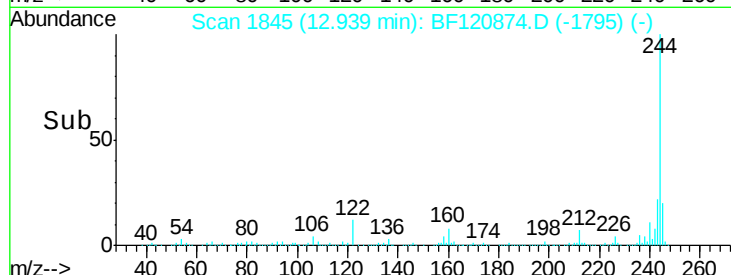
122 11.7 9.0 13.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF120874.D

Acq: 15 Jul 2020 15:42

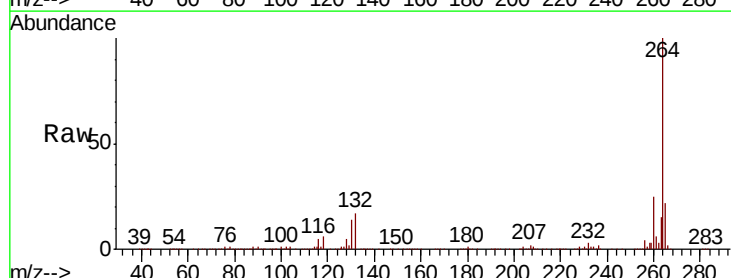
Tgt Ion:264 Resp: 469558

Ion Ratio Lower Upper

264 100

260 24.6 20.6 30.8

265 21.8 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

