

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121563.D
 Acq On : 14 Sep 2020 16:32
 Operator : JU/CG
 Sample : L3993-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-0-10

Quant Time: Sep 14 17:18:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	198437	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	777657	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	394300	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	751407	20.00	ng	0.00
76) Chrysene-d12	13.99	240	556779	20.00	ng	0.00
86) Perylene-d12	15.44	264	444833	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1136850	85.14	ng	0.02
7) Phenol-d6	6.48	99	1285713	73.39	ng	0.02
23) Nitrobenzene-d5	7.40	82	1173686	81.03	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	543137	110.83	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1952357	74.99	ng	0.00
79) Terphenyl-d14	12.94	244	2181315	79.37	ng	0.00

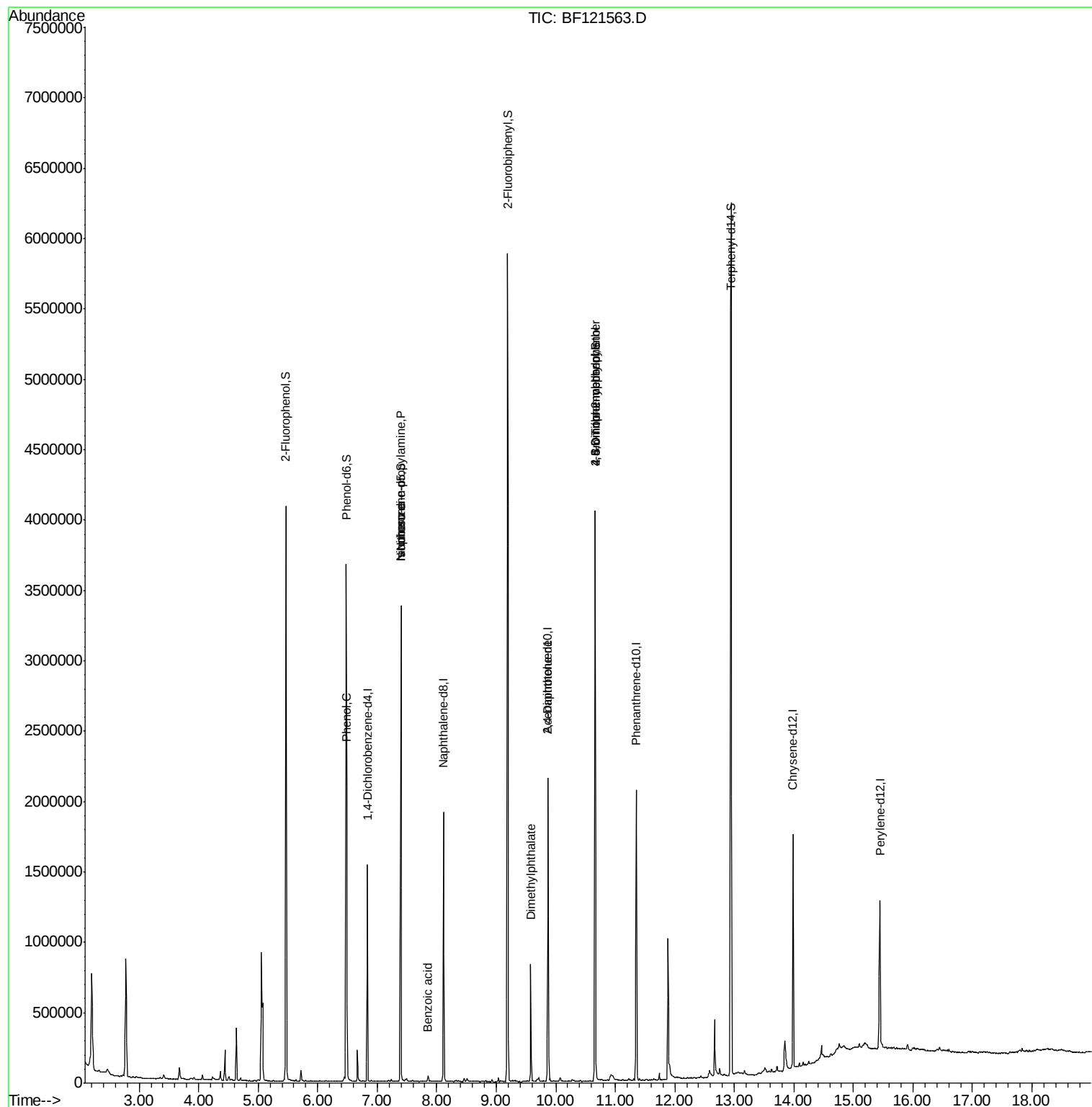
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	51929	2.784	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	157841	15.634	ng	# 78
25) Isophorone	7.40	82	1168239	40.069	ng	# 66
32) Benzoic acid	7.85	122	1192	7.041	ng	# 76
50) Dimethylphthalate	9.59	163	347734	12.168	ng	99
57) 2,4-Dinitrotoluene	9.87	165	50365	6.578	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.66	198	1140	7.064	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	31469	3.678	ng	# 1

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

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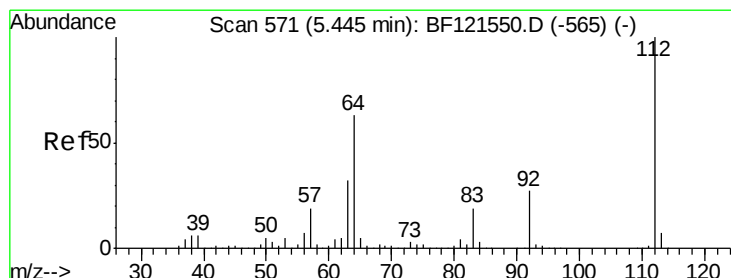
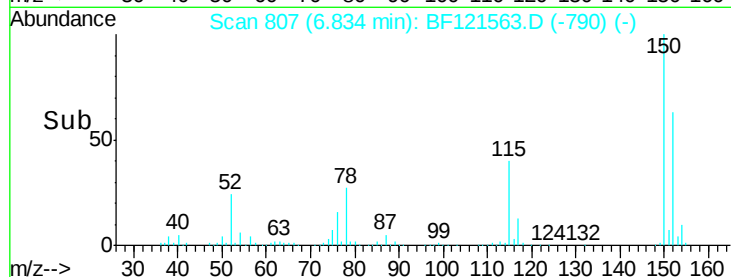
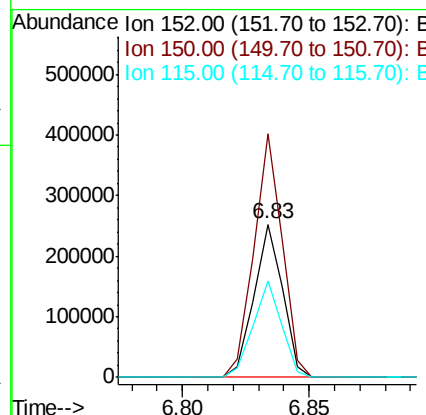
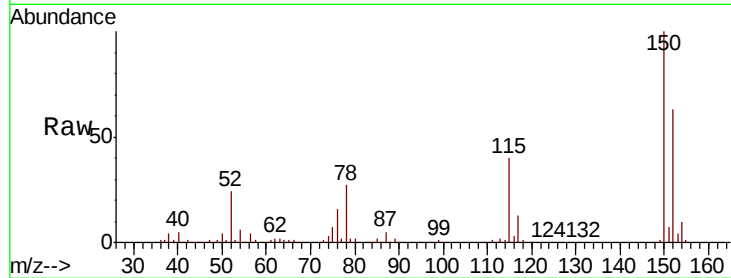


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Instrument :
BNA_F
ClientSampleId :
PAV-B38-091120-0-10

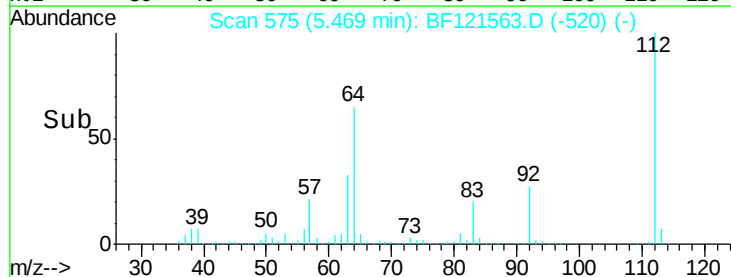
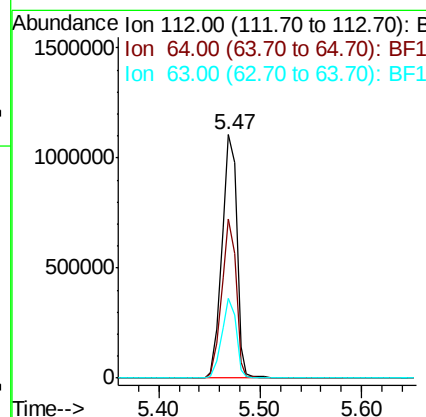
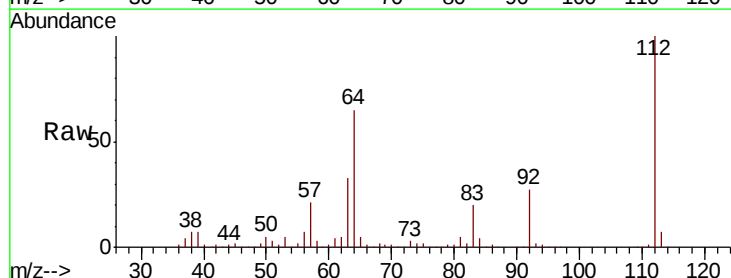
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.8	188.6
115	63.4	47.8	71.8



#5

2-Fluorophenol
Concen: 85.140 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.02 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	50.3	75.5
63	32.9	25.6	38.4





#7

Phenol-d6

Concen: 73.394 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-0-10

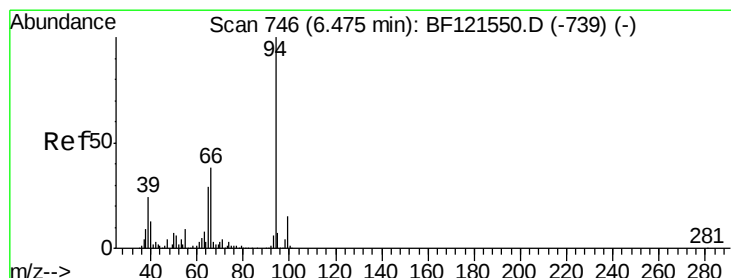
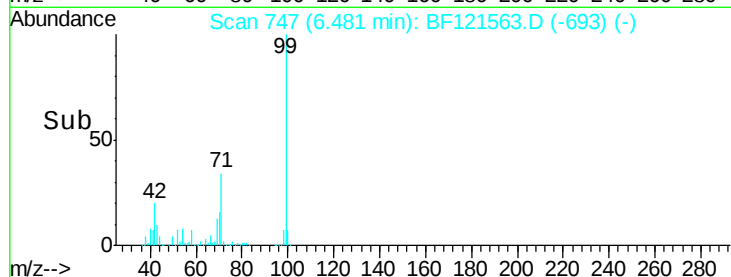
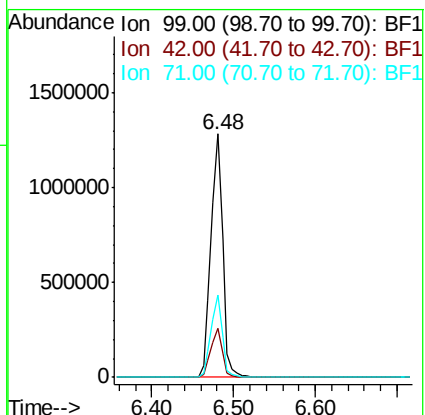
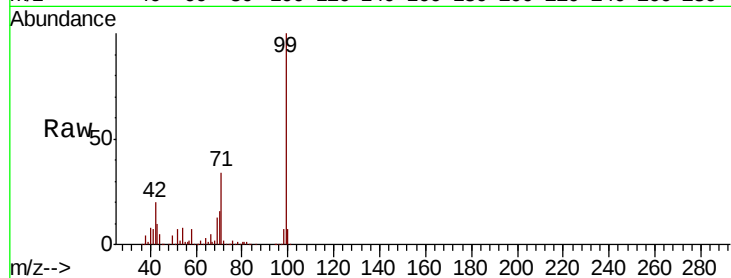
Tot Ion: 99 Resp: 1285713

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 33.7 26.1 39.1



#10

Phenol

Concen: 2.784 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.02 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

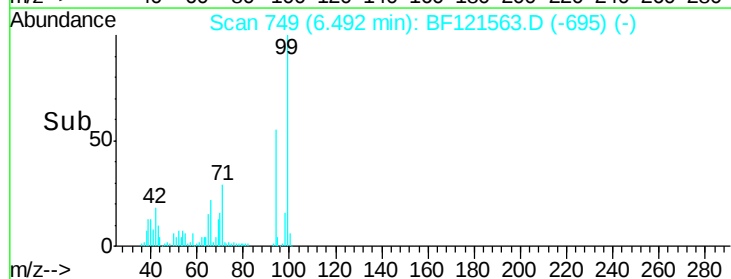
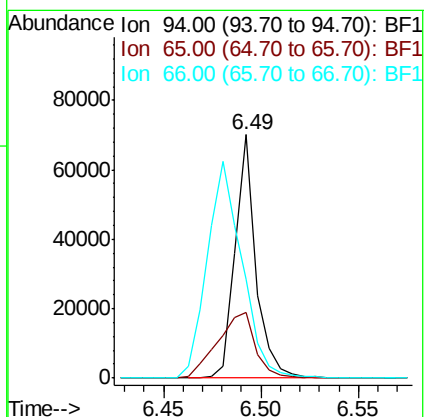
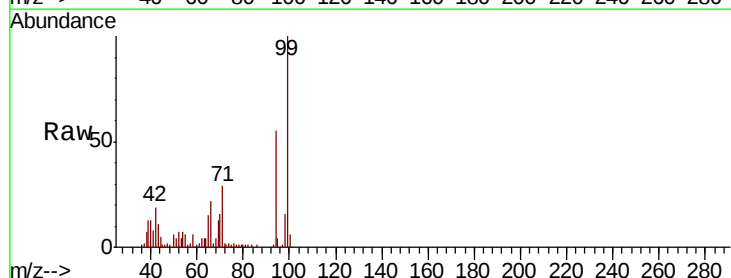
Tgt Ion: 94 Resp: 51929

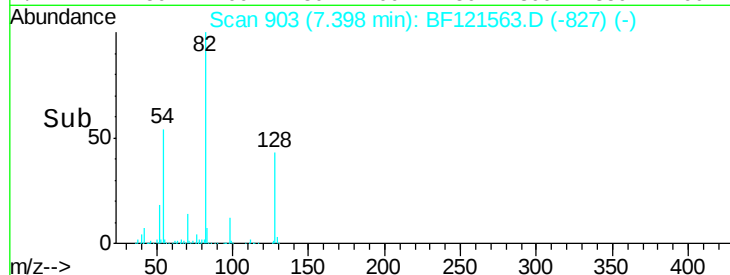
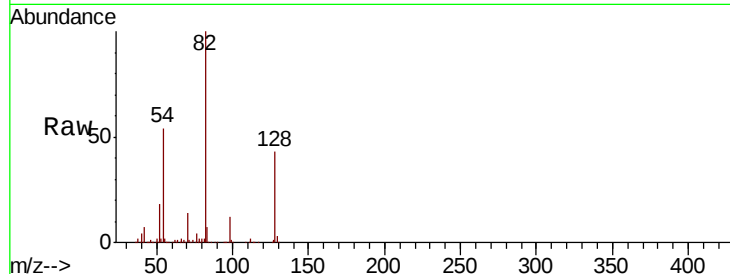
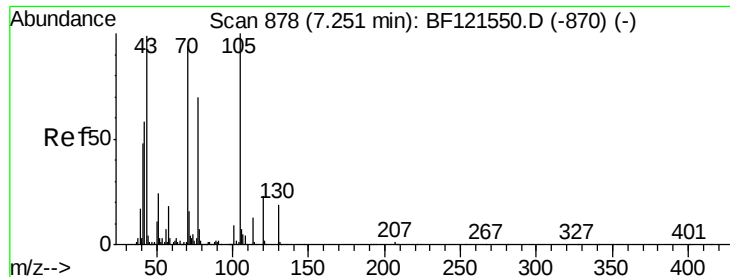
Ion Ratio Lower Upper

94 100

65 27.2 9.4 49.4

66 40.5 18.3 58.3

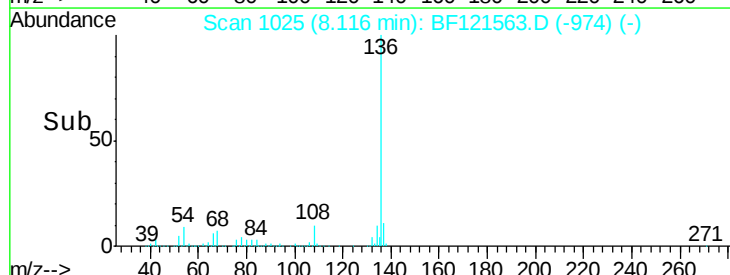
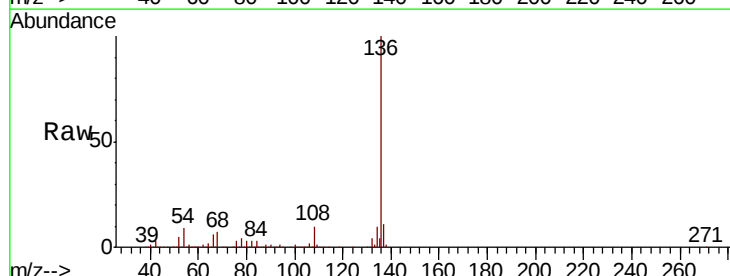
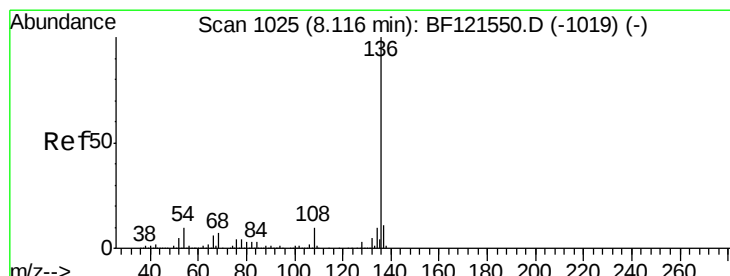
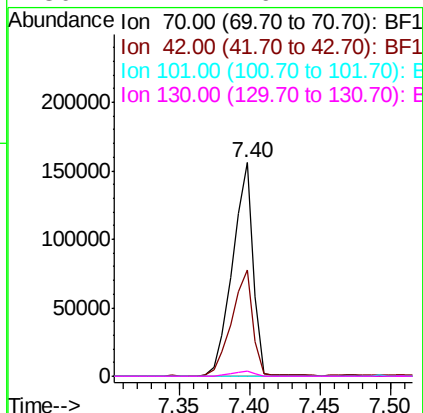




#19
n-Nitroso-di-n-propylamine
Concen: 15.634 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.15 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

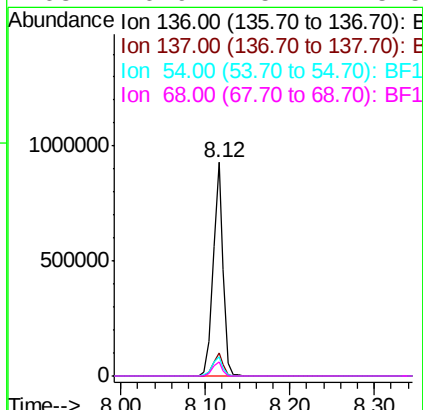
Instrument :
BNA_F
ClientSampleId :
PAV-B38-091120-0-10

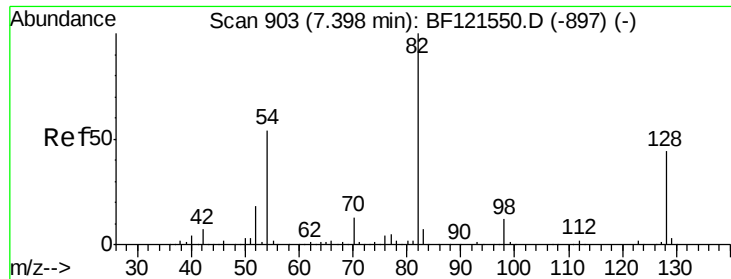
Tot Ion:	70	Resp:	157841
Ion	Ratio	Lower	Upper
70	100		
42	49.9	49.4	74.2
101	0.0	7.6	11.4#
130	2.2	16.2	24.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Tgt Ion:	136	Resp:	777657
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.1	7.6	11.4
68	6.9	5.7	8.5

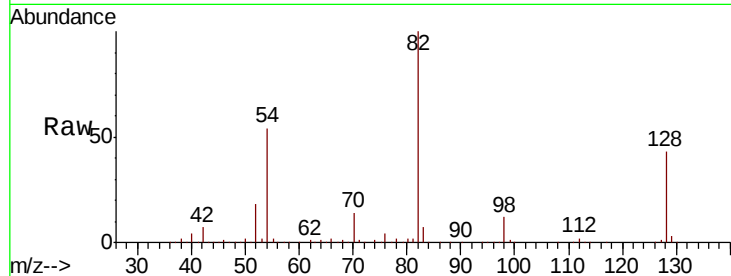




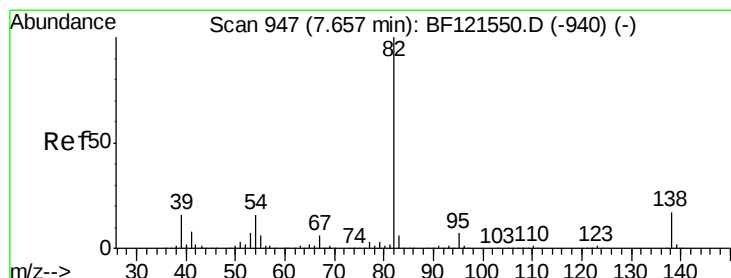
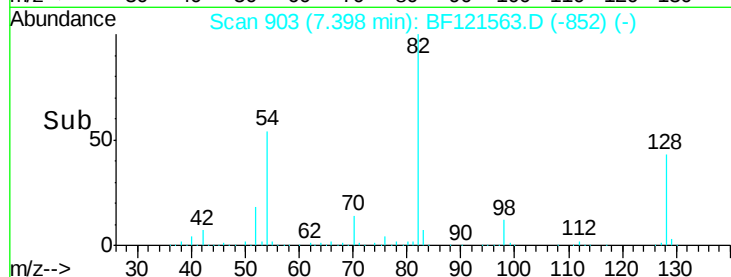
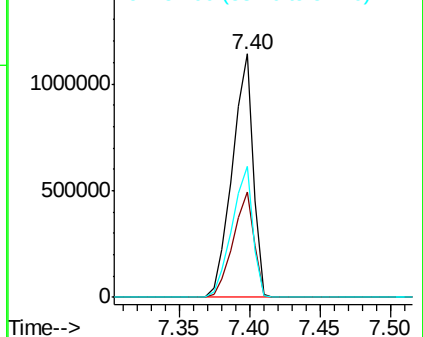
#23
Nitrobenzene-d5
Concen: 81.035 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Instrument :
BNA_F
ClientSampleId :
PAV-B38-091120-0-10

Tot Ion: 82 Resp: 1173686
Ion Ratio Lower Upper
82 100
128 43.4 35.1 52.7
54 54.0 43.0 64.6

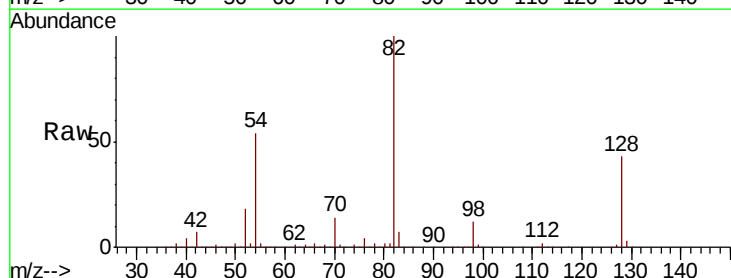


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

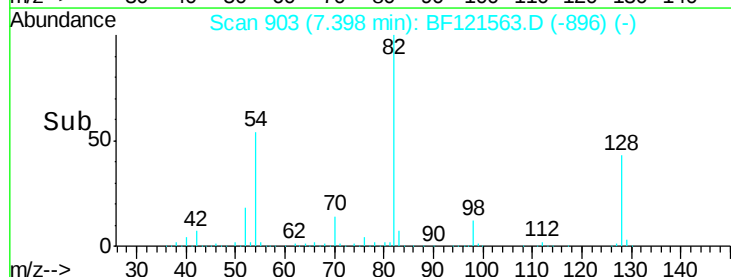
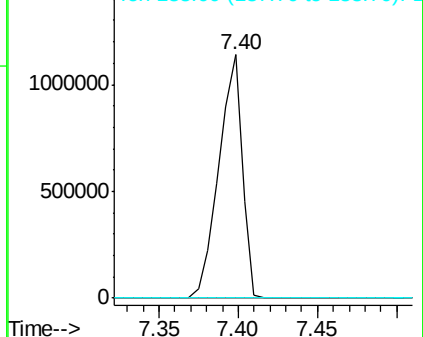


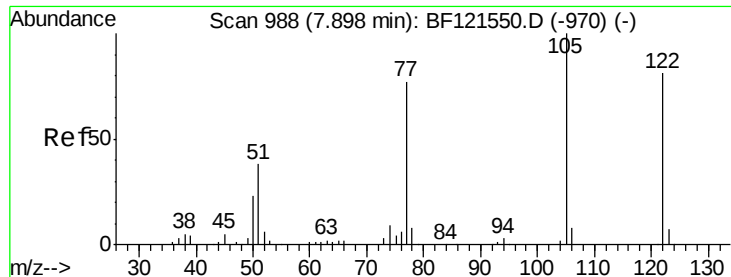
#25
Isophorone
Concen: 40.069 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.26 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Tgt Ion: 82 Resp: 1168239
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.7 20.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 7.041 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.05 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-0-10

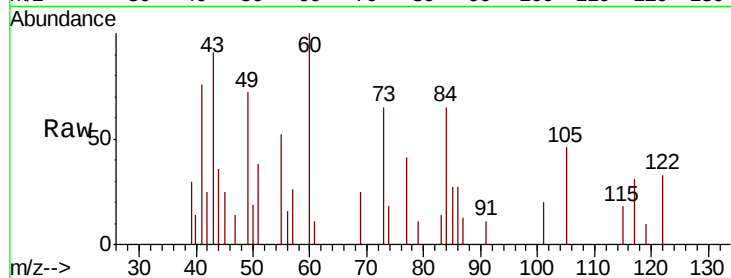
Tot Ion:122 Resp: 1192

Ion Ratio Lower Upper

122 100

105 140.1 100.5 140.5

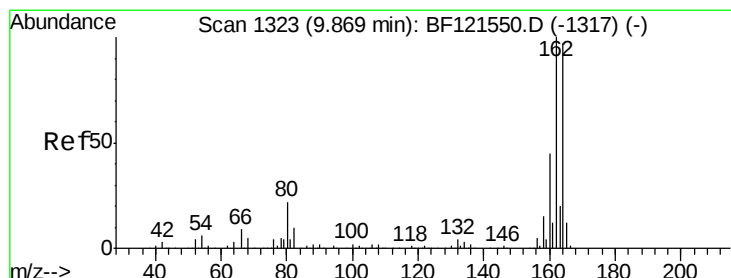
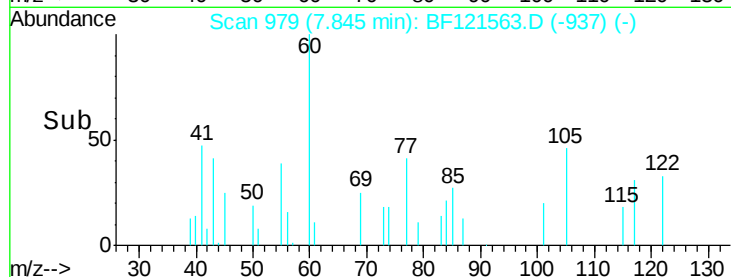
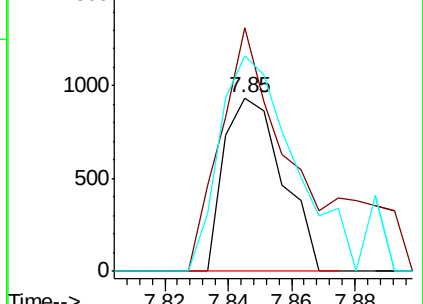
77 124.3 72.6 112.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

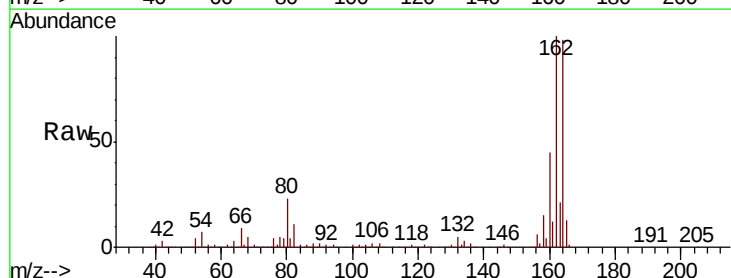
Tgt Ion:164 Resp: 394300

Ion Ratio Lower Upper

164 100

162 102.2 82.3 123.5

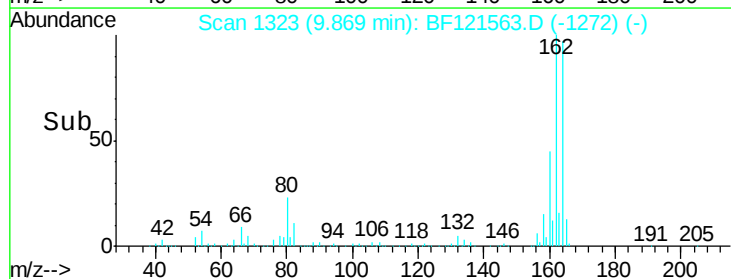
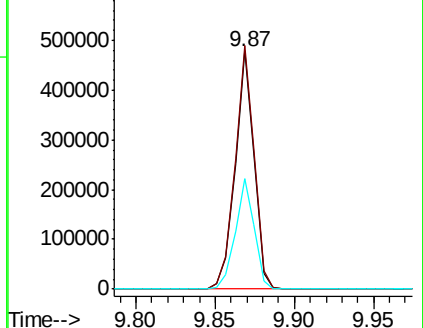
160 46.3 37.0 55.4

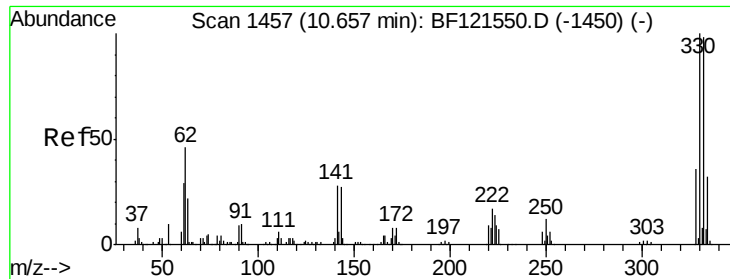


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

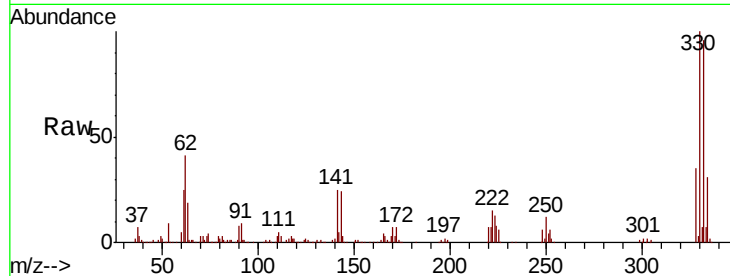




#42
 2,4,6-Tribromophenol
 Concen: 110.830 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF121563.D
 Acq: 14 Sep 2020 16:32

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-0-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	28.1	23.6	35.4

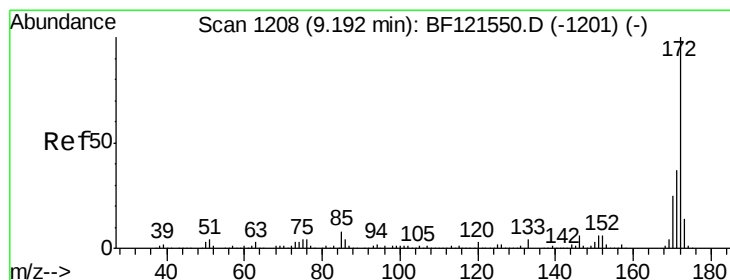
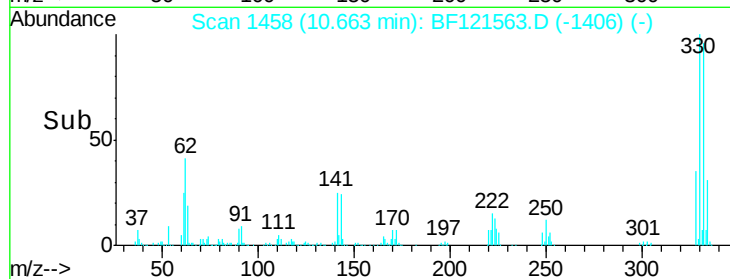
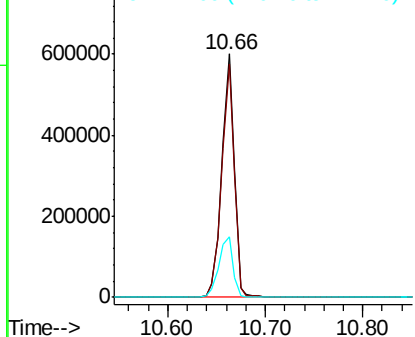


Abundance

Ion 329.80 (329.50 to 330.50): E

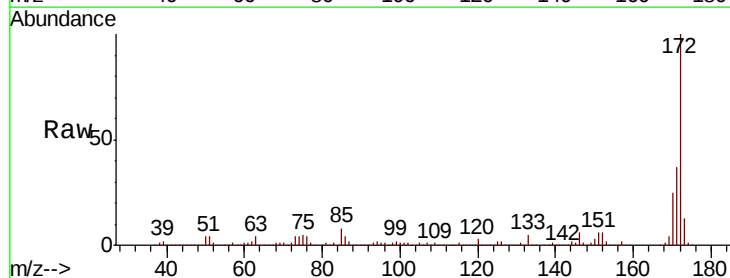
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 74.991 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF121563.D
 Acq: 14 Sep 2020 16:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	25.2	19.8	29.8

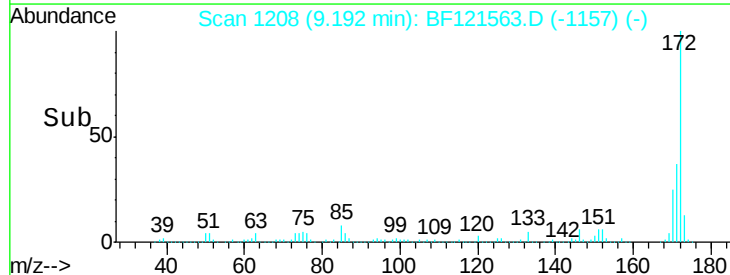
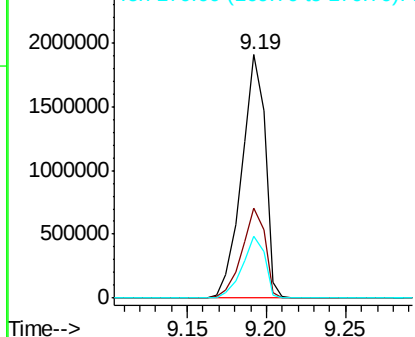


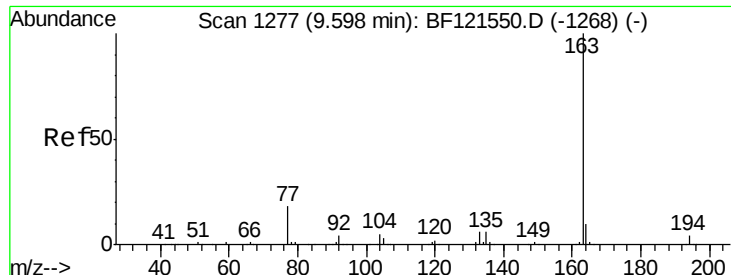
Abundance

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

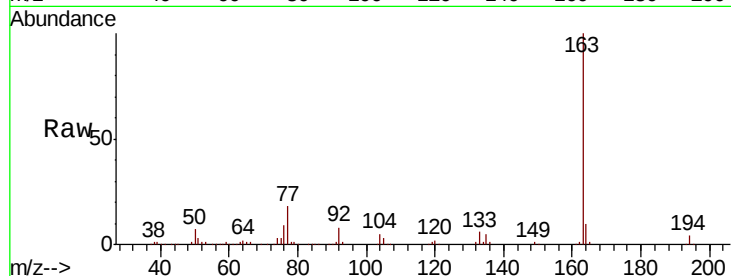




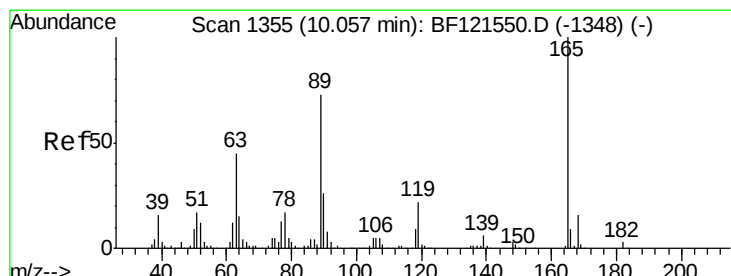
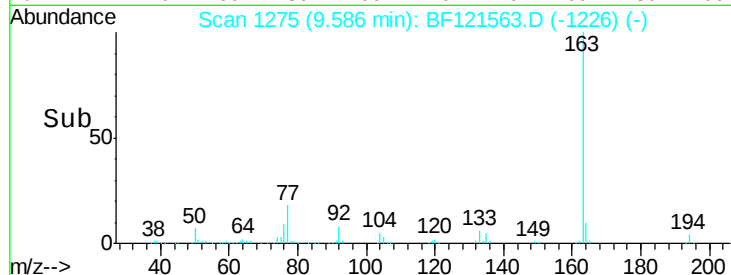
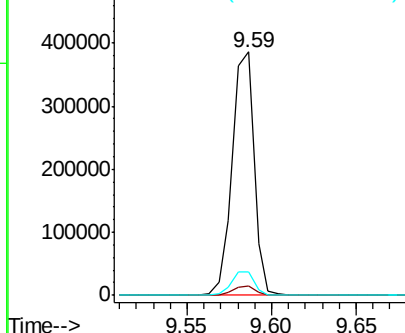
#50
Dimethylphthalate
Concen: 12.168 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Instrument :
BNA_F
ClientSampleId :
PAV-B38-091120-0-10

Tot Ion:163	Resp:	347734
Ion Ratio	Lower	Upper
163	100	
194	3.8	3.4 5.0
164	9.7	7.9 11.9

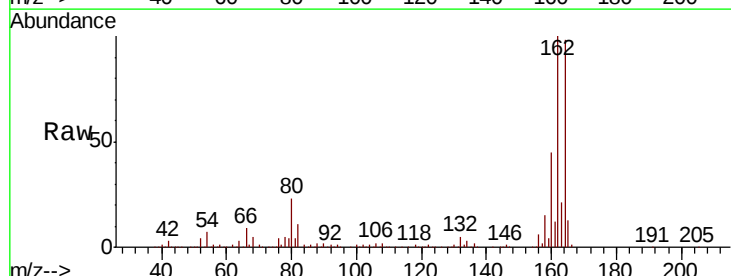


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

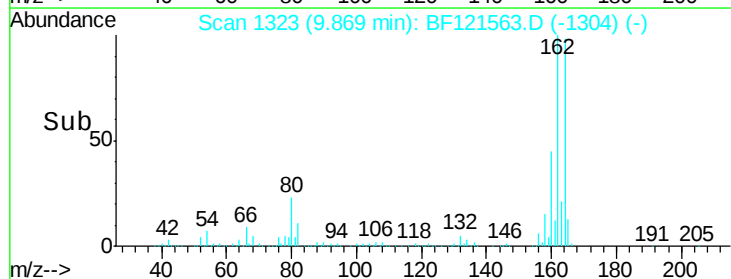
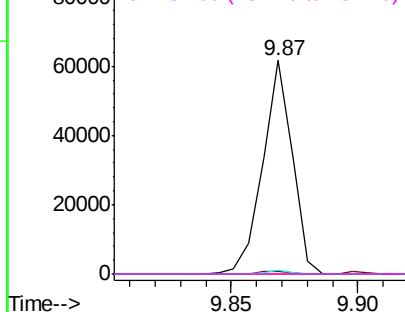


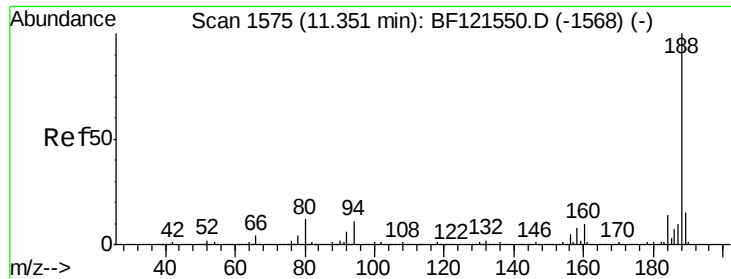
#57
2,4-Dinitrotoluene
Concen: 6.578 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.19 min
Lab File: BF121563.D
Acq: 14 Sep 2020 16:32

Tgt Ion:165	Resp:	50365
Ion Ratio	Lower	Upper
165	100	
63	1.4	36.2 54.4#
89	1.8	58.2 87.4#
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: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-0-10

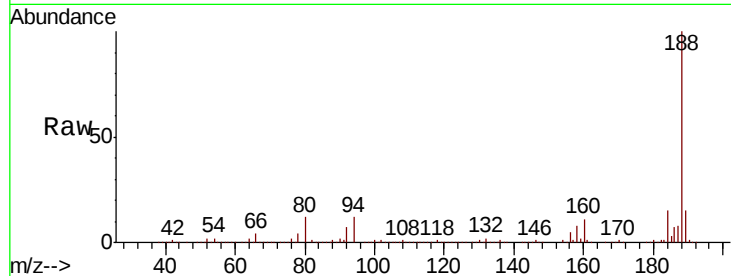
Tot Ion:188 Resp: 751407

Ion Ratio Lower Upper

188 100

94 11.9 8.7 13.1

80 12.5 9.3 13.9



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

11.35

800000

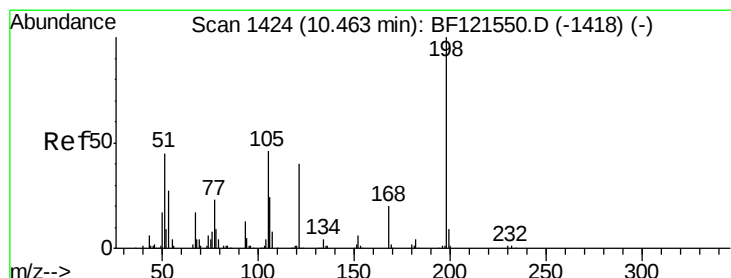
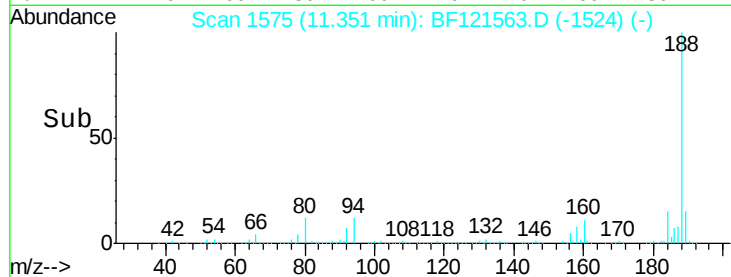
600000

400000

200000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.064 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.20 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

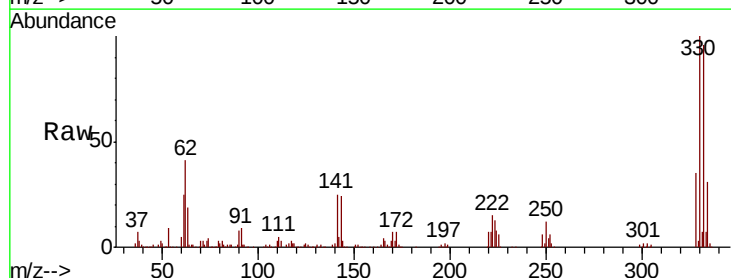
Tgt Ion:198 Resp: 1140

Ion Ratio Lower Upper

198 100

51 159.2 31.1 71.1#

105 173.2 26.6 66.6#



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

3000

2500

2000

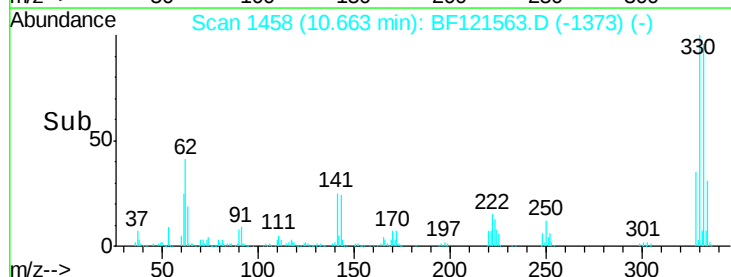
1500

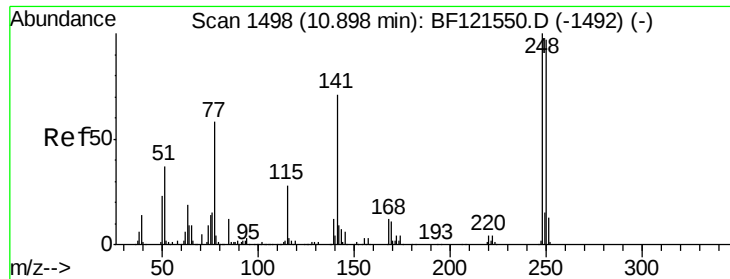
1000

500

0

Time-->

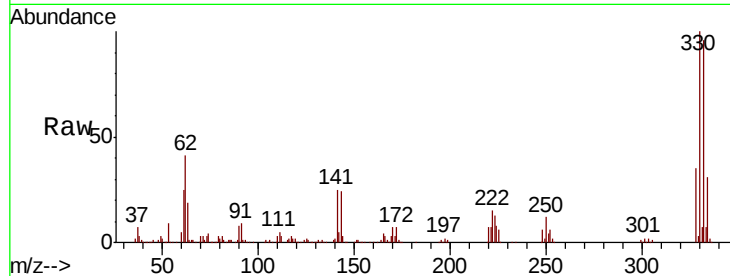




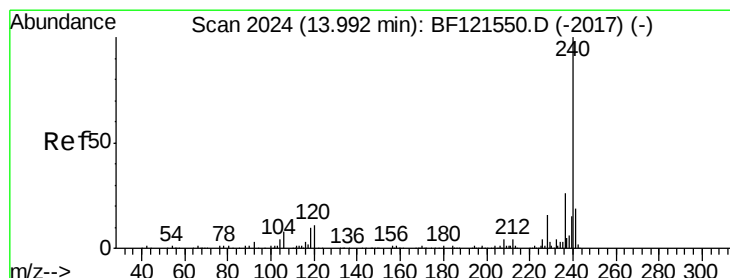
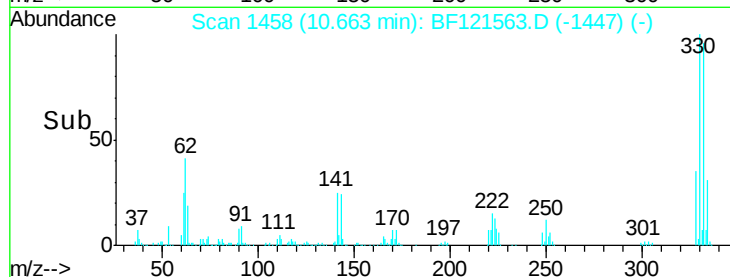
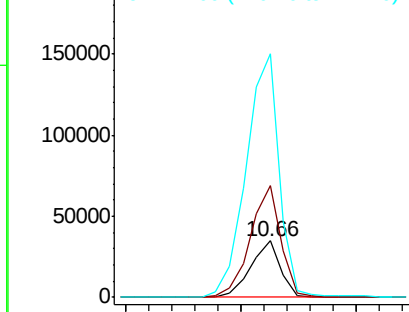
#67
 4-Bromophenyl-phenylether
 Concen: 3.678 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF121563.D
 Acq: 14 Sep 2020 16:32

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-0-10

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.0	77.4	116.0#
141	433.6	56.7	85.1#

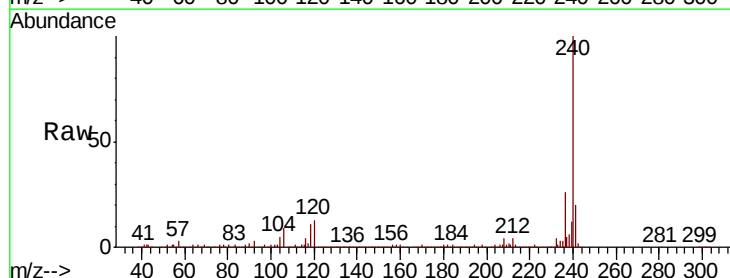


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

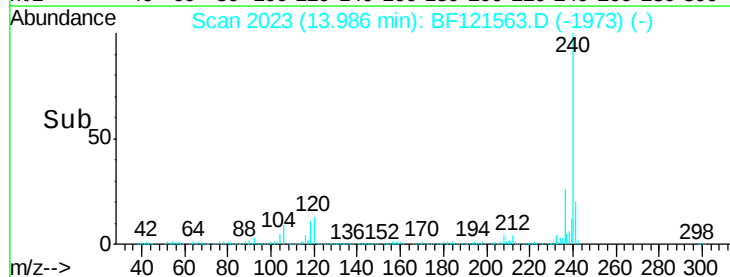
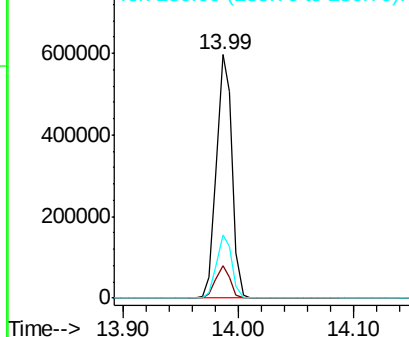


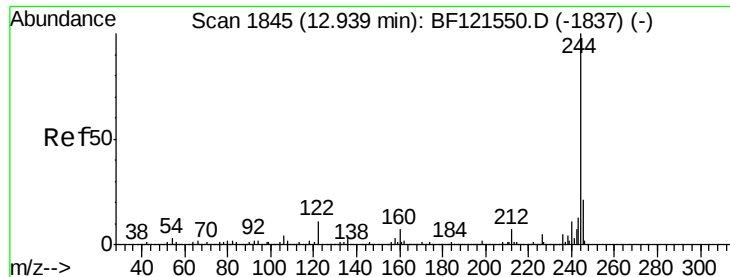
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF121563.D
 Acq: 14 Sep 2020 16:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.2	13.8
236	26.1	20.5	30.7



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: 79.370 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF121563.D

Acq: 14 Sep 2020 16:32

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-0-10

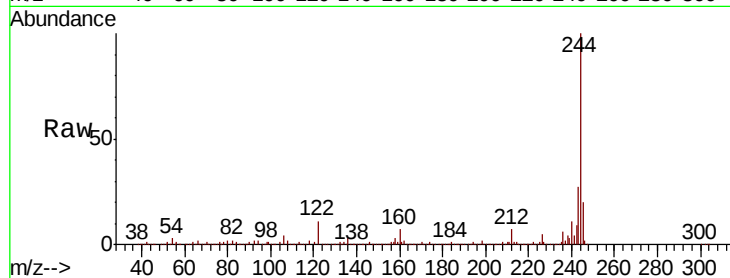
Tot Ion:244 Resp: 2181315

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

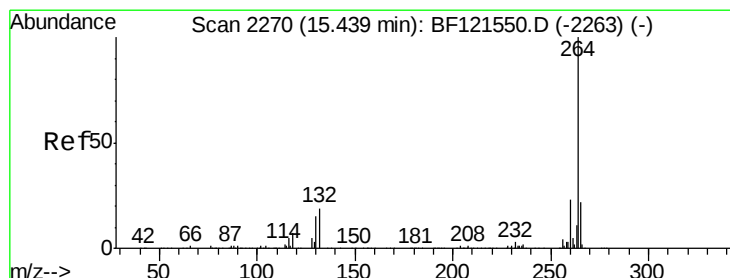
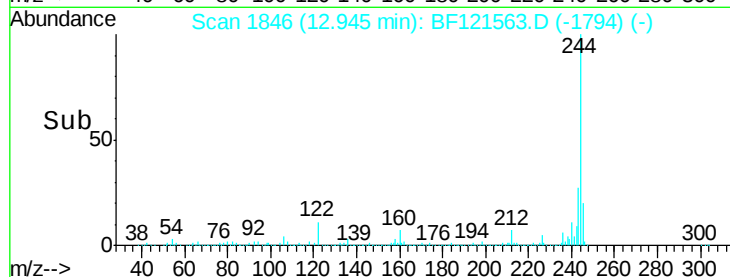
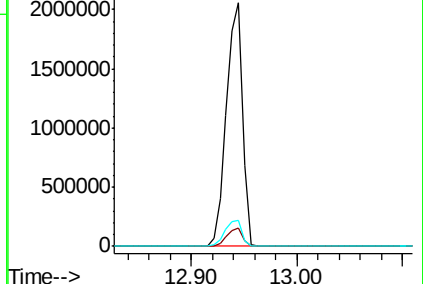
122 10.6 8.7 13.1



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: BF121563.D

Acq: 14 Sep 2020 16:32

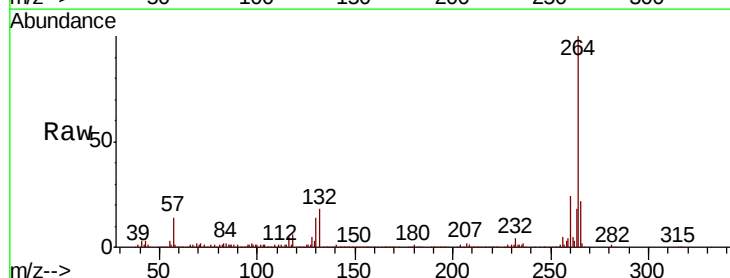
Tgt Ion:264 Resp: 444833

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.6 17.8 26.6



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

