

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100920\
 Data File : BF121907.D
 Acq On : 9 Oct 2020 15:40
 Operator : JU/CG
 Sample : L4317-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11935

Quant Time: Oct 09 16:17:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

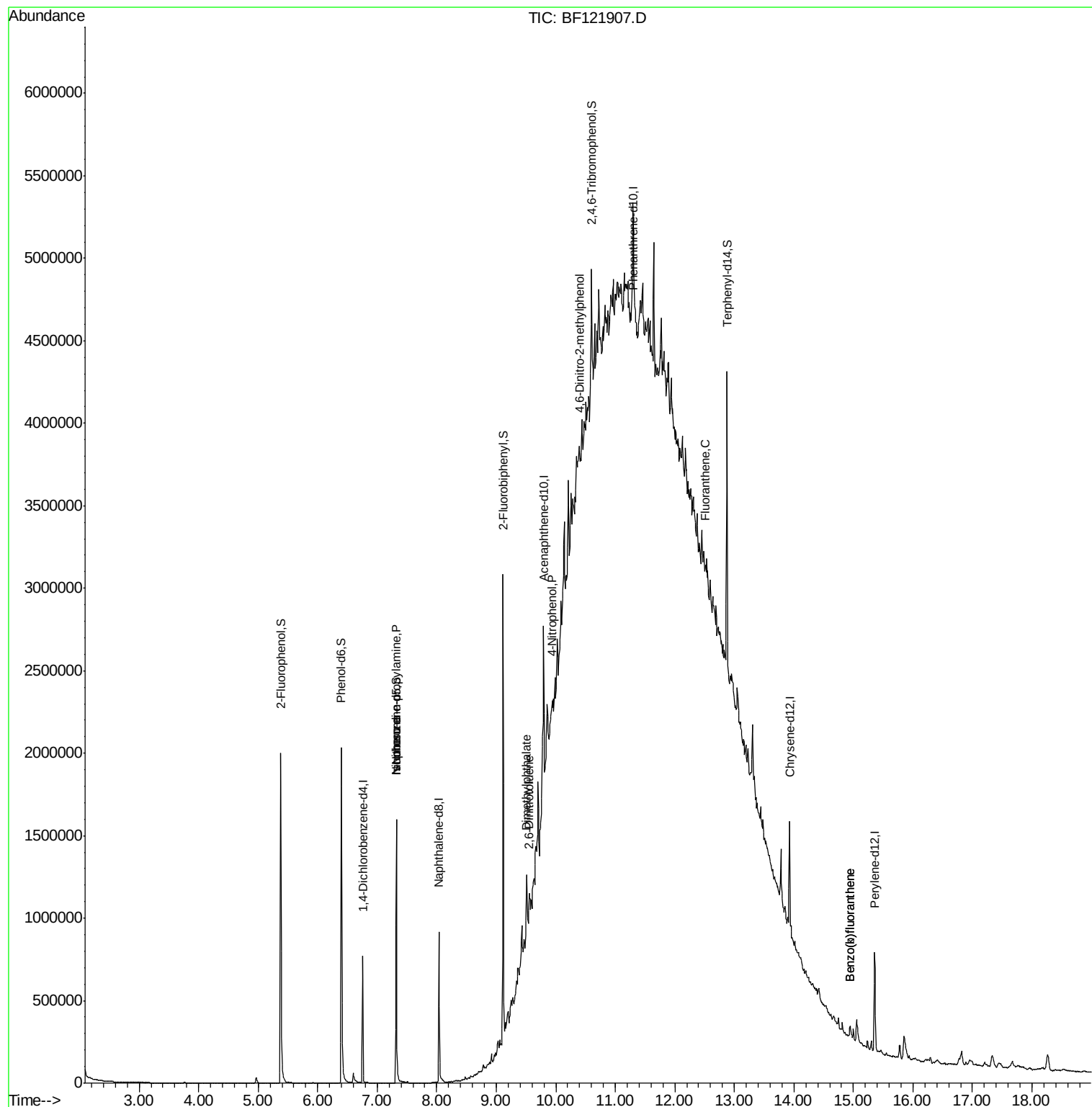
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	108816	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	422399	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	180176	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	243509	20.00	ng	0.00
76) Chrysene-d12	13.93	240	238003	20.00	ng	0.00
86) Perylene-d12	15.36	264	251747	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	615474	84.06	ng	0.00
7) Phenol-d6	6.40	99	790918	82.33	ng	-0.02
23) Nitrobenzene-d5	7.32	82	534730	67.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	195986	87.52	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	865486	72.75	ng	-0.02
79) Terphenyl-d14	12.87	244	646320	55.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	72386	13.075	ng	# 79
25) Isophorone	7.32	82	534723	33.765	ng	# 67
50) Dimethylphthalate	9.51	163	168245	12.884	ng	# 96
51) 2,6-Dinitrotoluene	9.56	165	6768	2.434	ng	# 22
56) 4-Nitrophenol	9.94	139	7405	2.882	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.41	198	604	7.199	ng	# 1
75) Fluoranthene	12.51	202	38516	2.720	ng	85
88) Benzo(b)fluoranthene	14.94	252	50190	2.982	ng	# 92
89) Benzo(k)fluoranthene	14.94	252	50190	3.257	ng	# 91

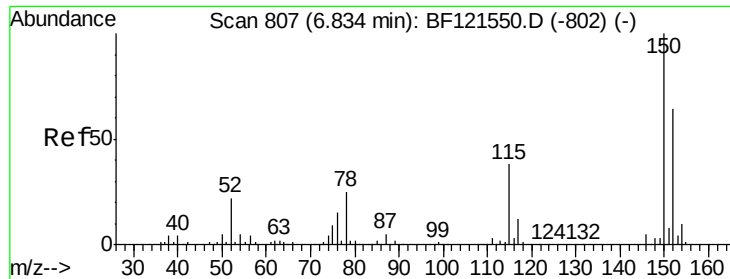
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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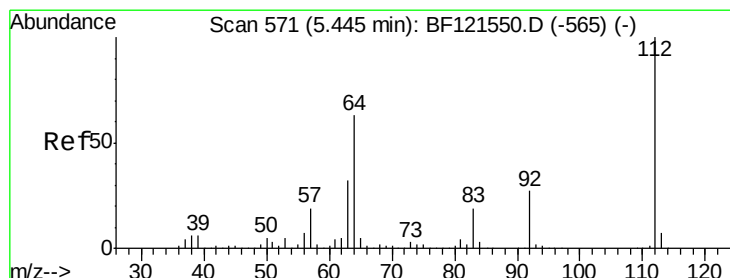
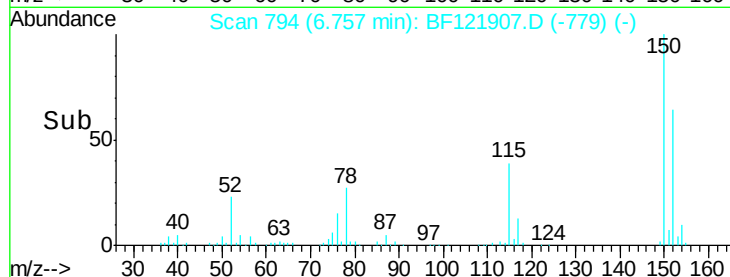
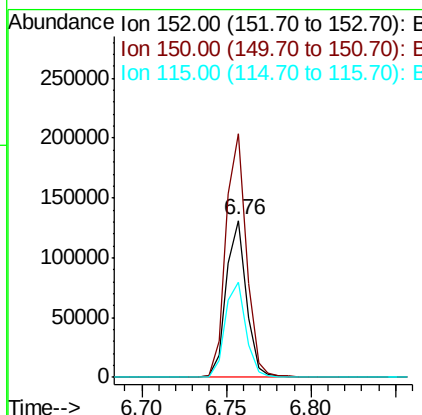
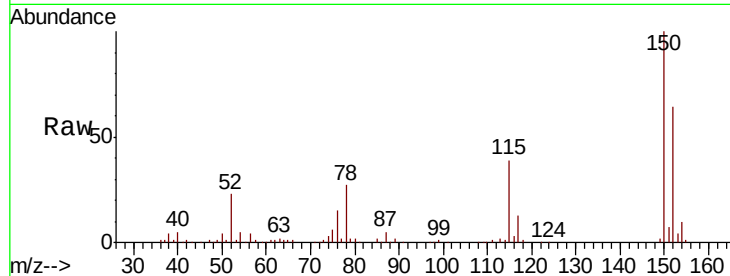


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF121907.D
 Acq: 9 Oct 2020 15:40

Instrument :
 BNA_F
 ClientSampleId :
 11935

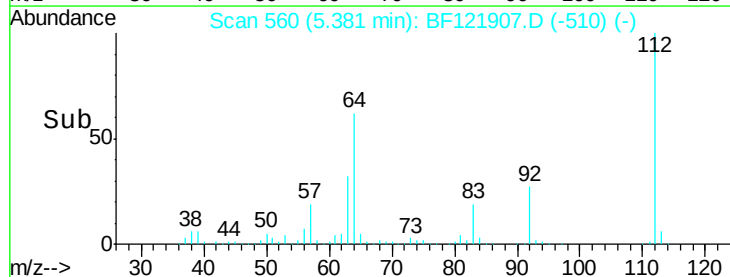
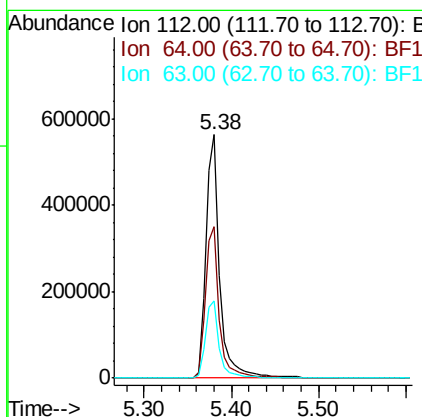
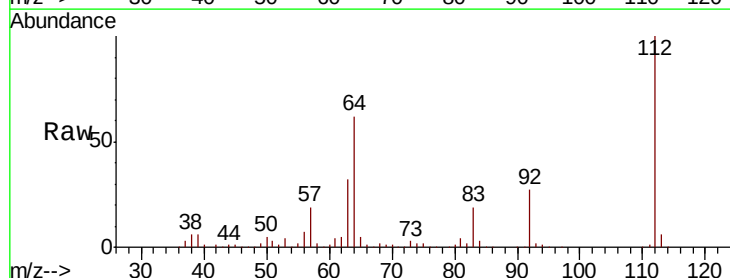
Tot Ion:152 Resp: 108816
 Ion Ratio Lower Upper
 152 100
 150 155.2 125.3 187.9
 115 60.7 51.9 77.9

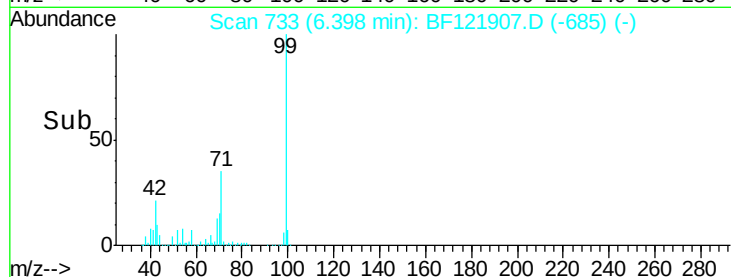
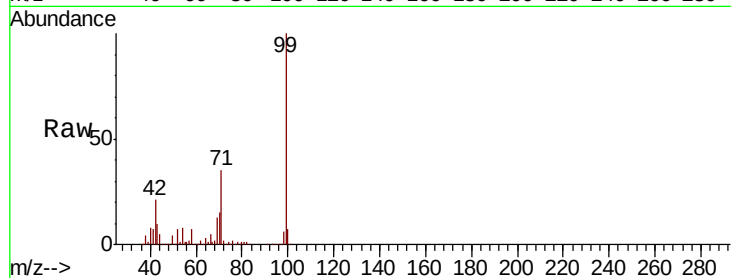
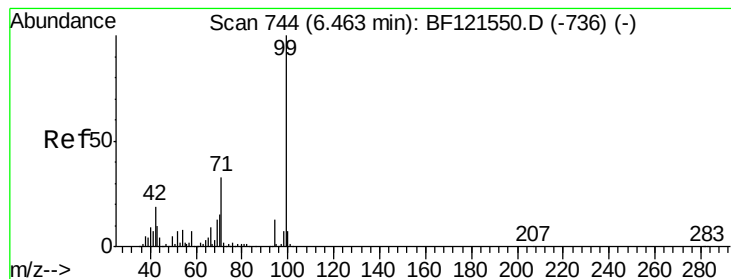


#5

2-Fluorophenol
 Concen: 84.057 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121907.D
 Acq: 9 Oct 2020 15:40

Tgt Ion:112 Resp: 615474
 Ion Ratio Lower Upper
 112 100
 64 62.4 50.4 75.6
 63 31.6 25.8 38.6





#7

Phenol-d6

Concen: 82.334 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11935

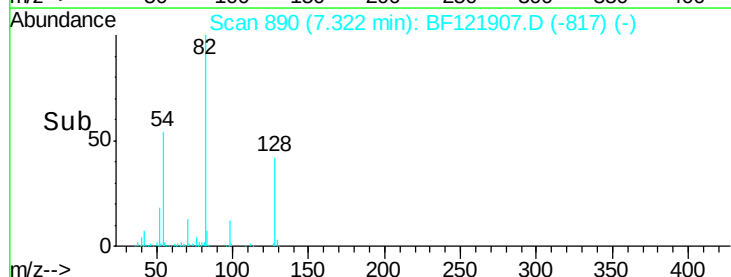
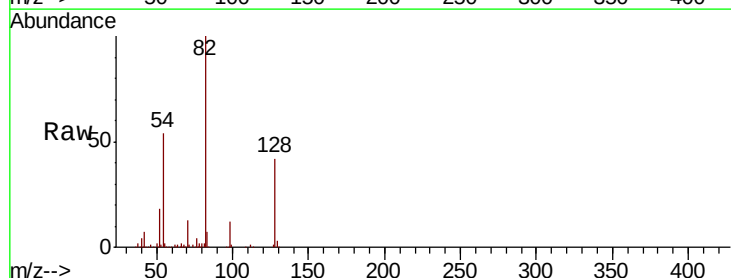
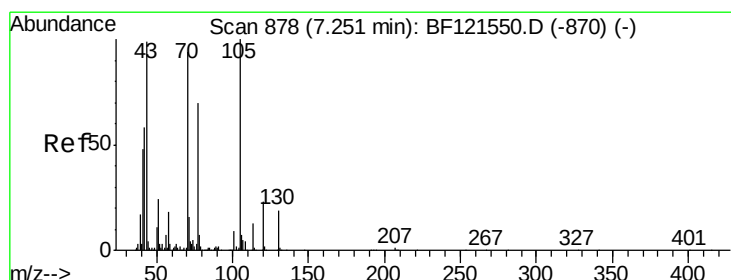
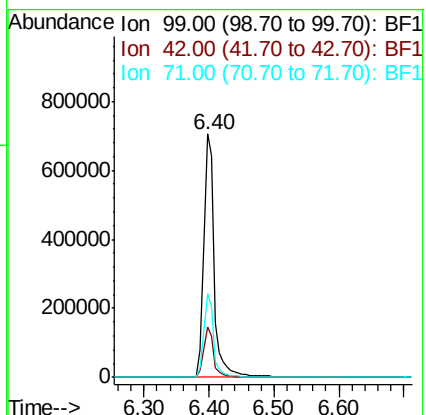
Tot Ion: 99 Resp: 790918

Ion Ratio Lower Upper

99 100

42 20.8 15.9 23.9

71 34.5 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.075 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

Tgt Ion: 70 Resp: 72386

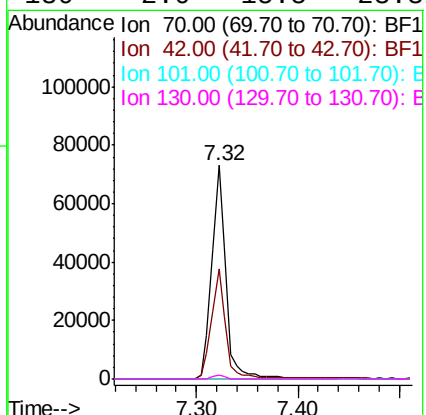
Ion Ratio Lower Upper

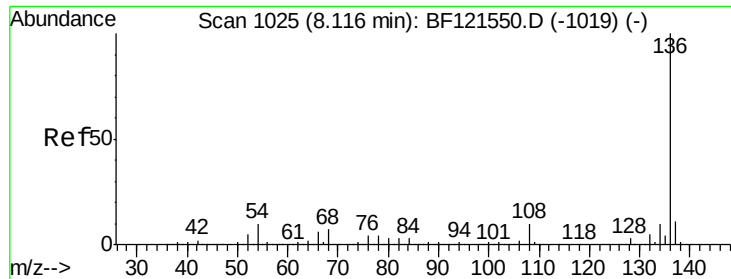
70 100

42 51.7 50.2 75.4

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#

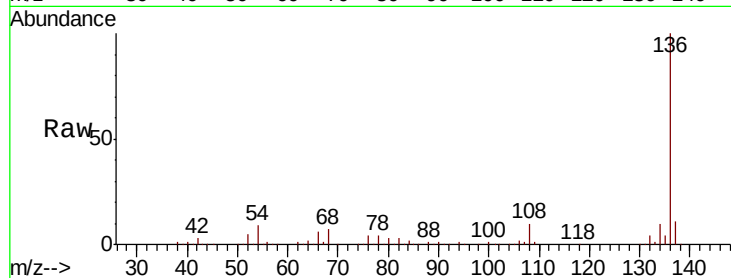




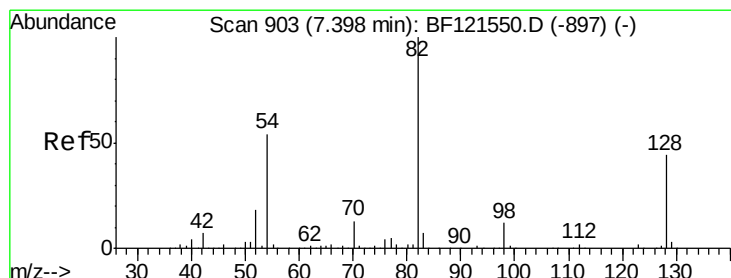
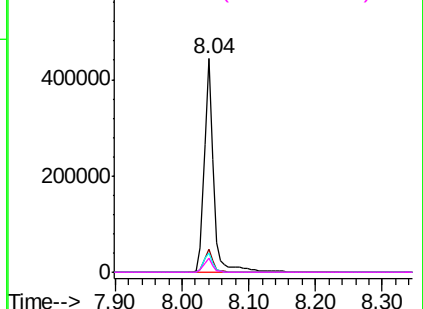
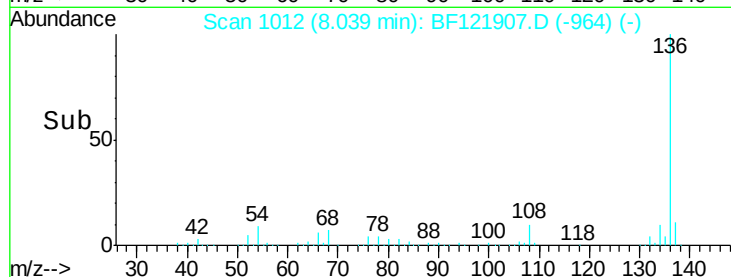
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF121907.D
Acq: 9 Oct 2020 15:40

Instrument :
BNA_F
ClientSampleId :
11935

Tot Ion:136	Resp:	422399
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.6	13.0
54 9.2	7.1	10.7
68 6.6	5.0	7.4

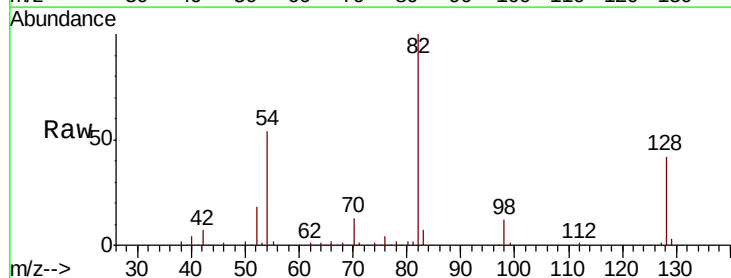


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

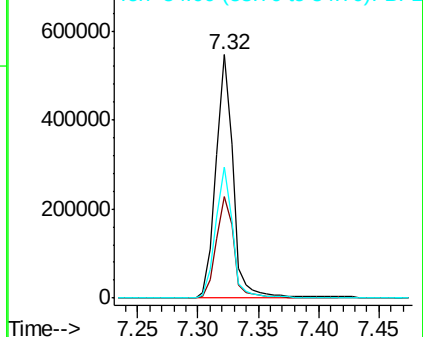
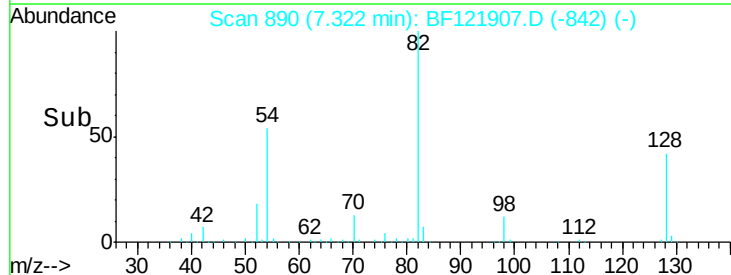


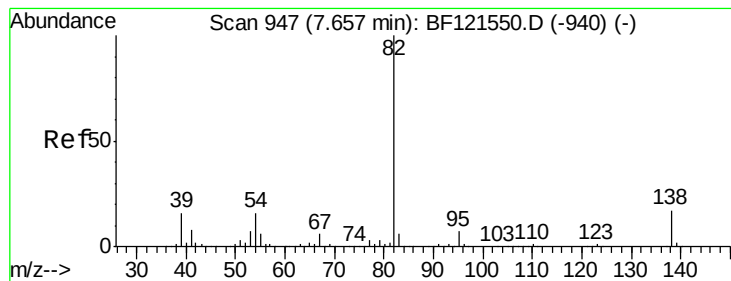
#23
Nitrobenzene-d5
Concen: 67.970 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121907.D
Acq: 9 Oct 2020 15:40

Tgt Ion: 82	Resp: 534730
Ion Ratio	Lower Upper
82 100	
128 41.6	35.0 52.4
54 53.8	43.9 65.9



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: 33.765 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11935

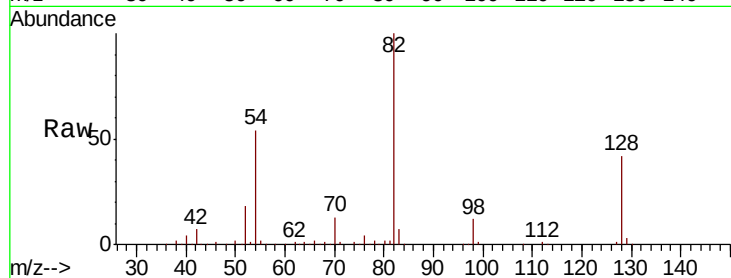
Tot Ion: 82 Resp: 534723

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

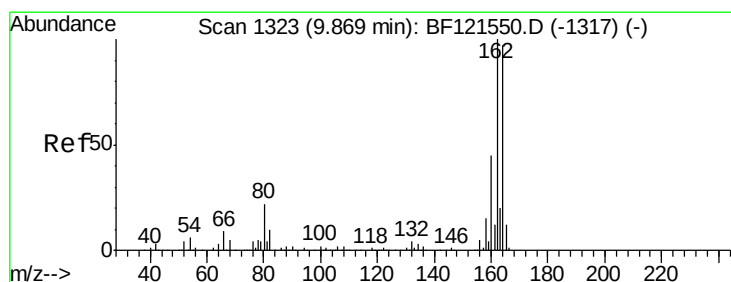
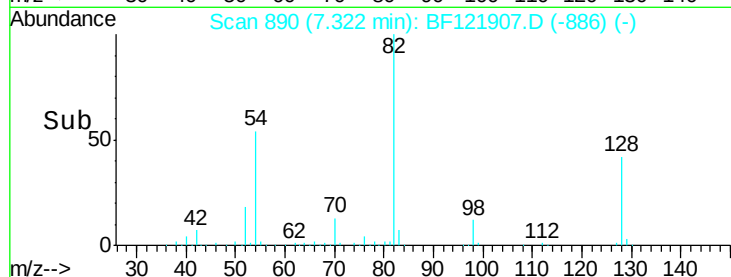
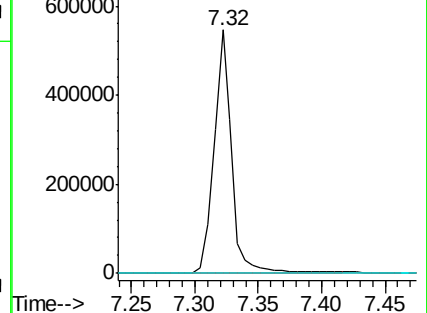
138 0.0 13.4 20.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

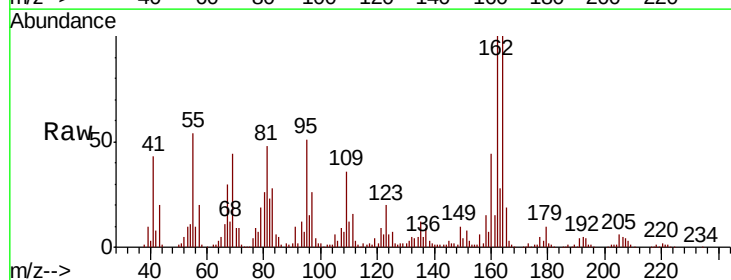
Tgt Ion: 164 Resp: 180176

Ion Ratio Lower Upper

164 100

162 99.7 83.2 124.8

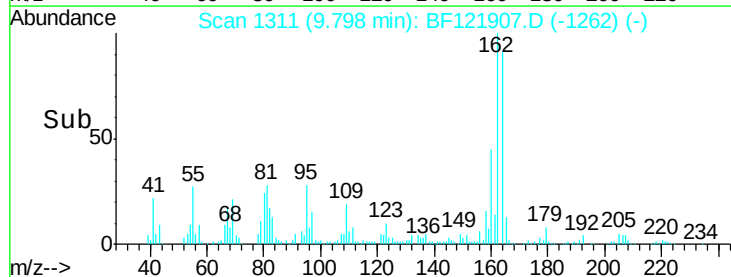
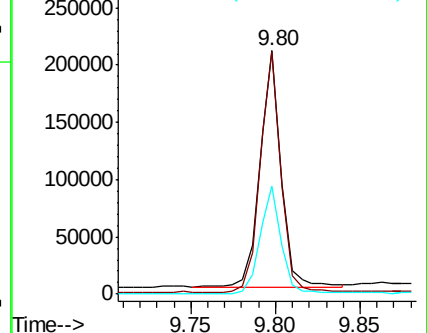
160 44.3 37.5 56.3

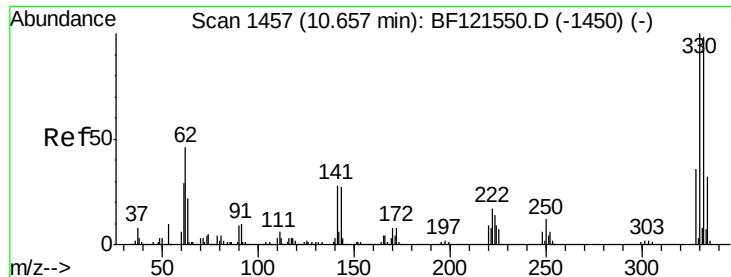


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 87.519 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11935

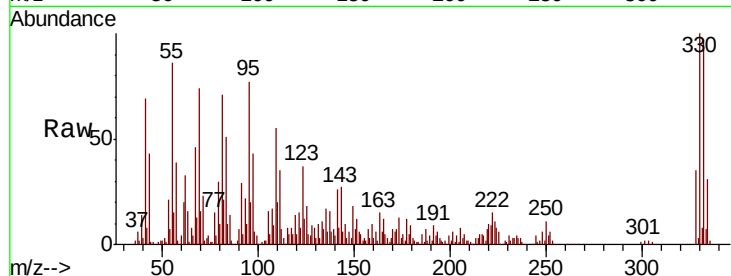
Tot Ion:330 Resp: 195986

Ion Ratio Lower Upper

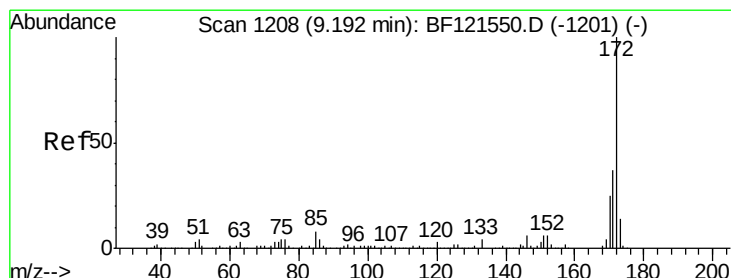
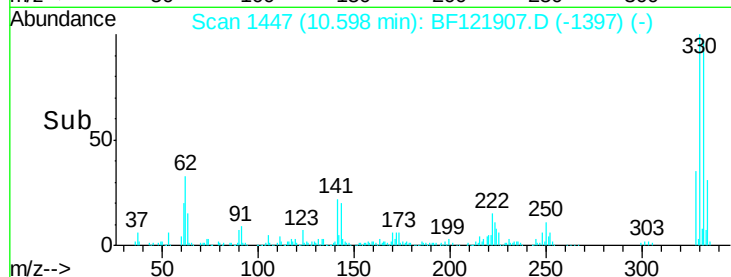
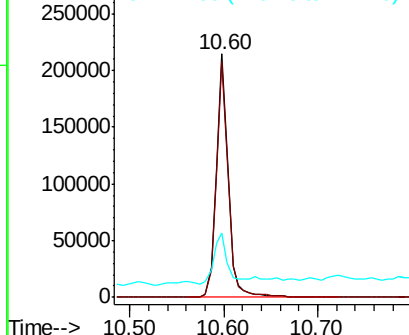
330 100

332 96.9 77.3 115.9

141 23.2 22.3 33.5



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: 72.751 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

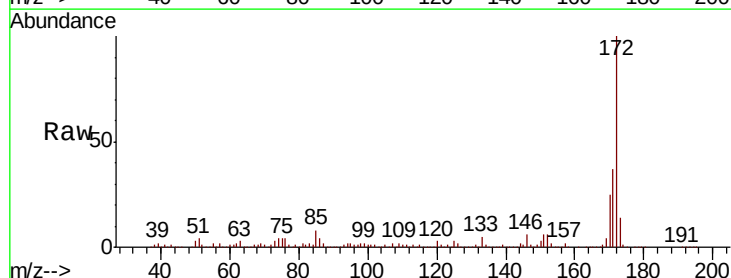
Tgt Ion:172 Resp: 865486

Ion Ratio Lower Upper

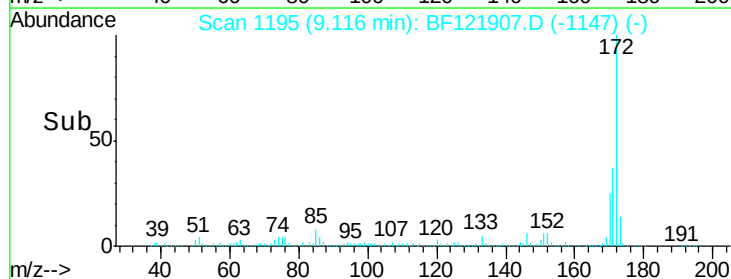
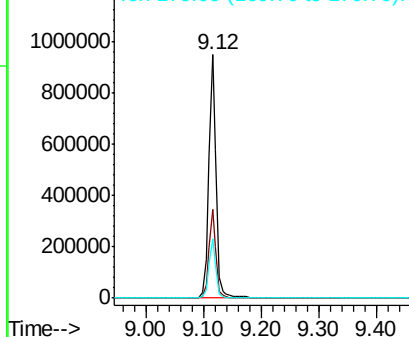
172 100

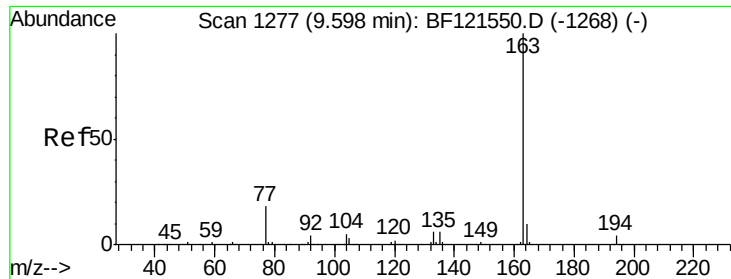
171 36.6 29.1 43.7

170 24.6 19.8 29.6



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: 12.884 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.03 min

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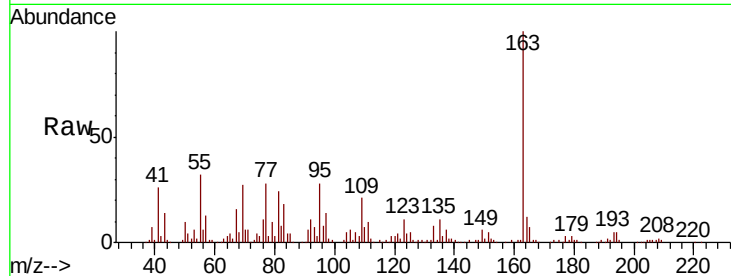
Tot Ion:163 Resp: 168245

Ion Ratio Lower Upper

163 100

194 5.0 3.3 4.9#

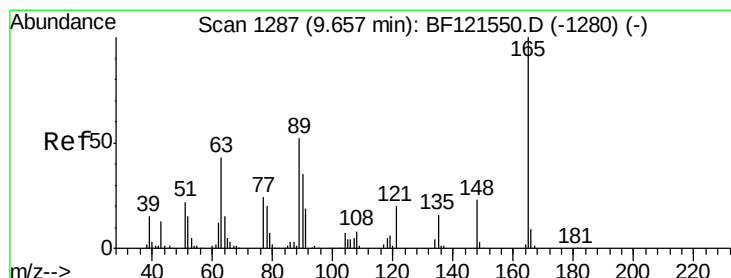
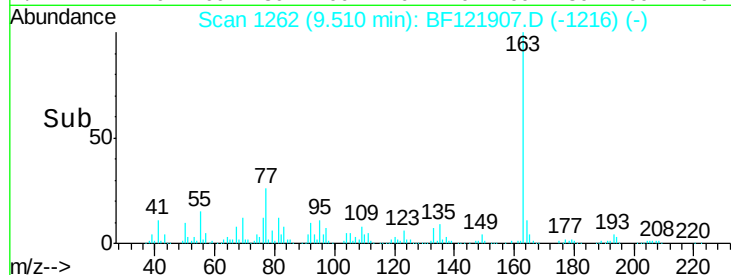
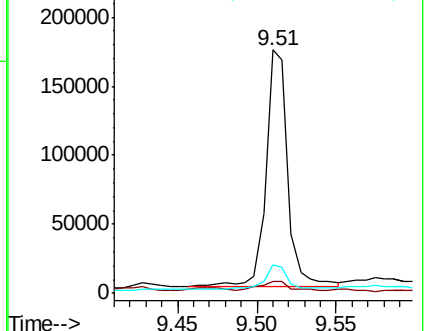
164 12.0 8.2 12.4



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: 2.434 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.04 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

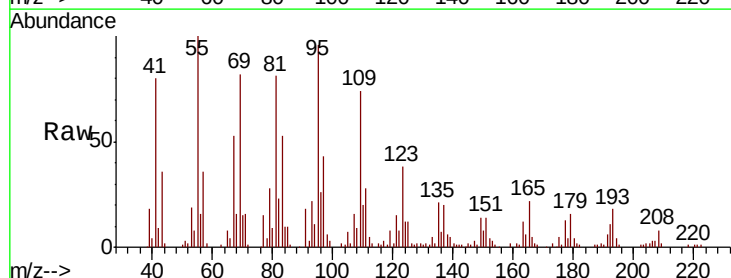
Tgt Ion:165 Resp: 6768

Ion Ratio Lower Upper

165 100

63 3.6 51.8 77.6#

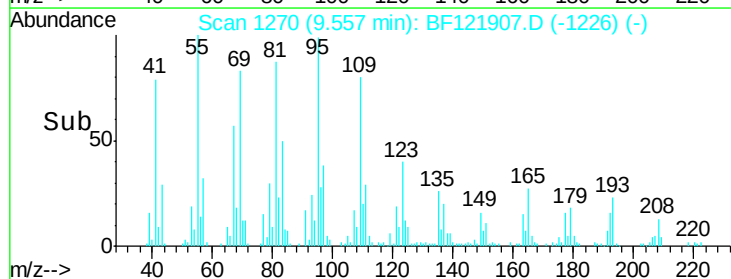
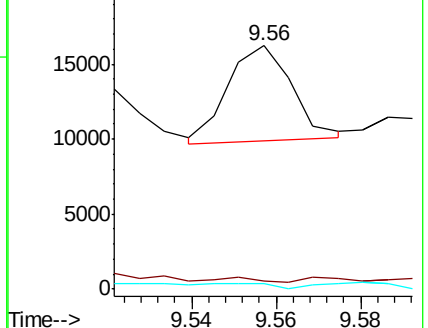
89 2.0 49.0 73.6#

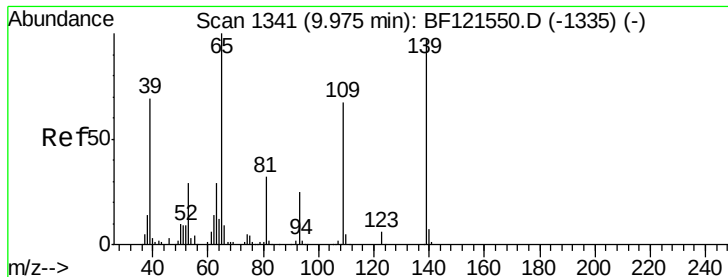


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

4-Nitrophenol

Concen: 2.882 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF121907.D

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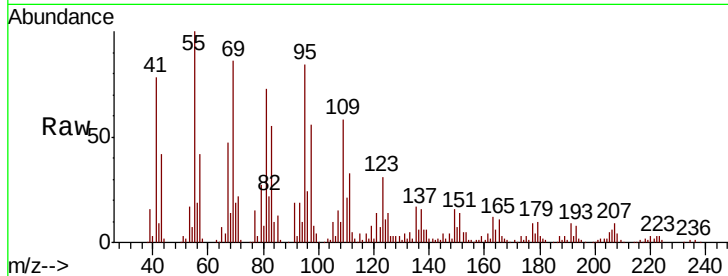
Tot Ion:139 Resp: 7405

Ion Ratio Lower Upper

139 100

109 990.8 45.4 85.4#

65 119.8 68.4 108.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

120000

100000

80000

60000

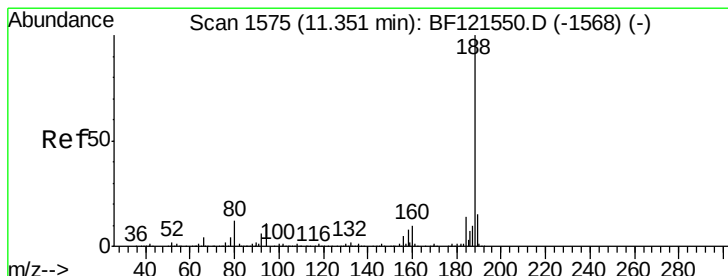
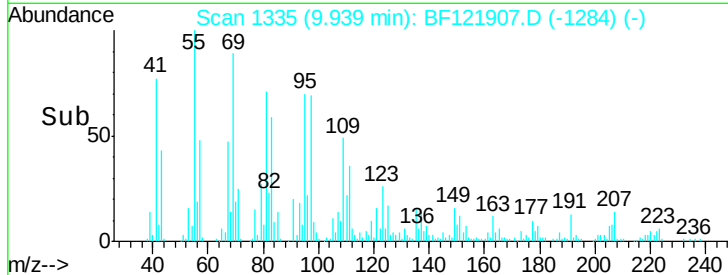
40000

20000

0

9.85 9.90 9.95

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

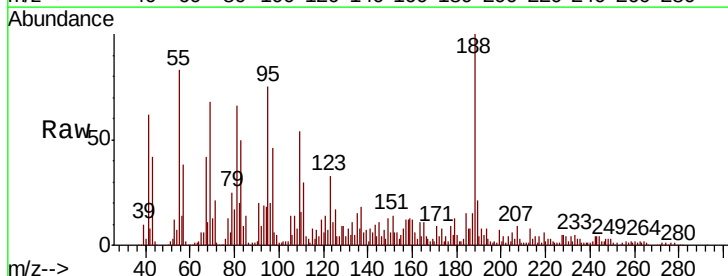
Tgt Ion:188 Resp: 243509

Ion Ratio Lower Upper

188 100

94 17.9 8.3 12.5#

80 17.3 9.1 13.7#



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

300000

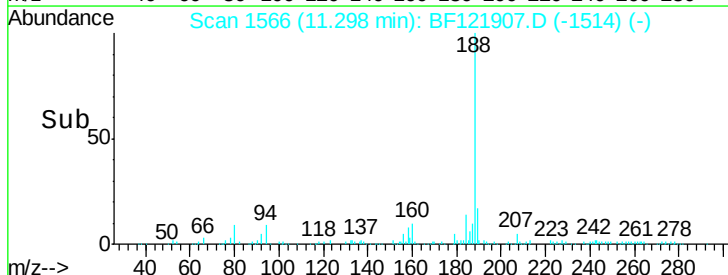
200000

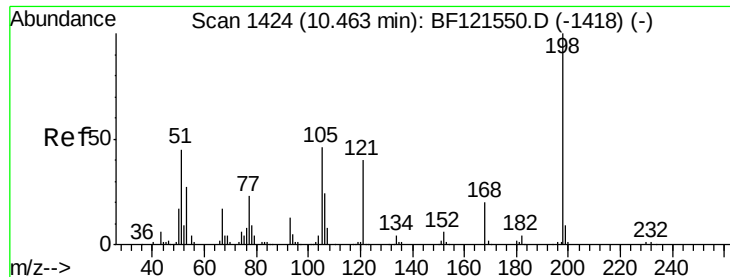
100000

0

11.25 11.30 11.35

Time-->

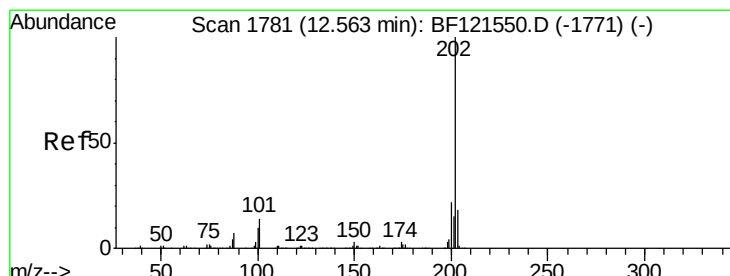
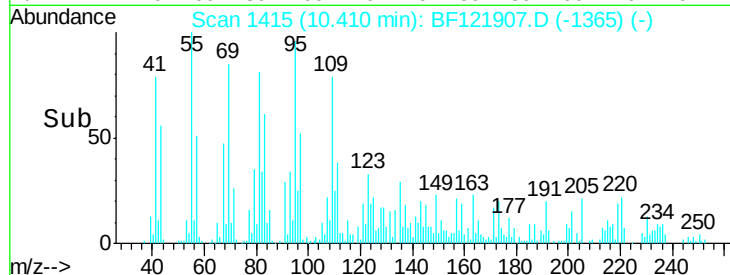
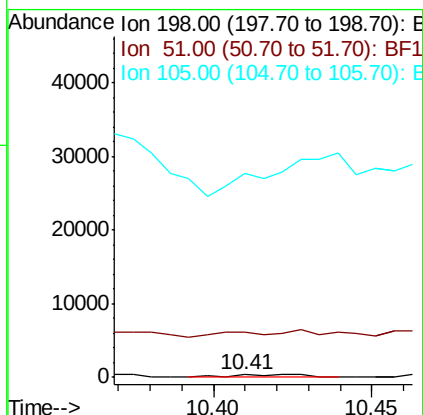
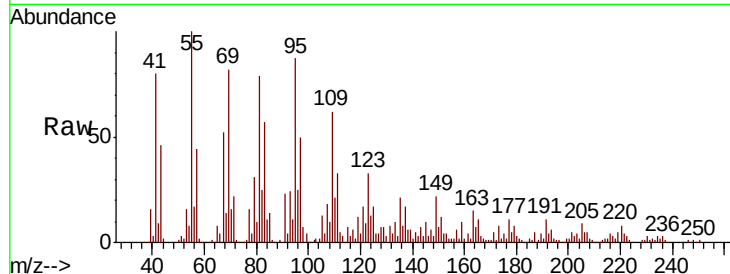




#65
4,6-Dinitro-2-methylphenol
Concen: 7.199 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF121907.D
Acq: 9 Oct 2020 15:40

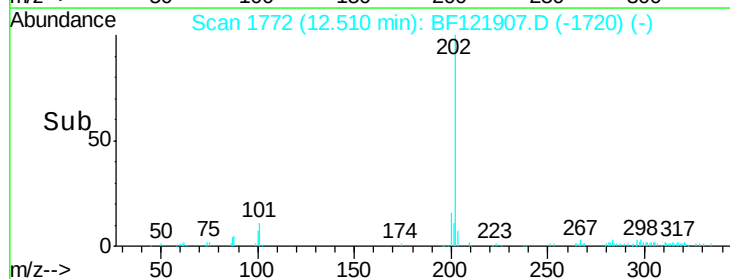
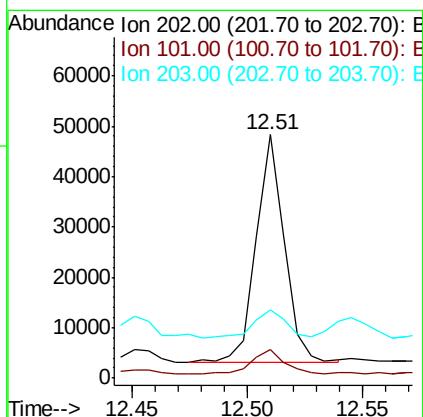
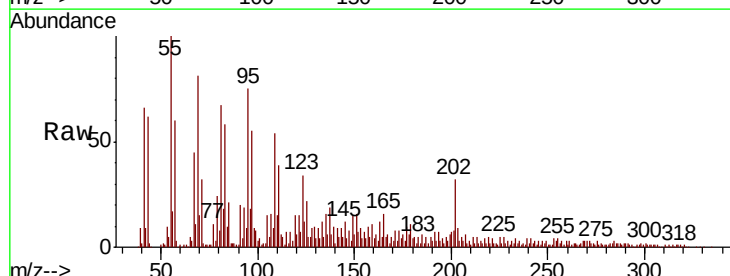
Instrument :
BNA_F
ClientSampleId :
11935

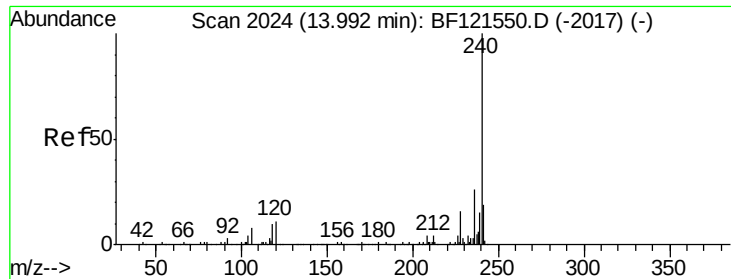
Tot Ion:198 Resp: 604
Ion Ratio Lower Upper
198 100
51 1545.4 29.6 69.6#
105 7011.2 24.4 64.4#



#75
Fluoranthene
Concen: 2.720 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.01 min
Lab File: BF121907.D
Acq: 9 Oct 2020 15:40

Tgt Ion:202 Resp: 38516
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.4
203 28.0 0.0 37.9

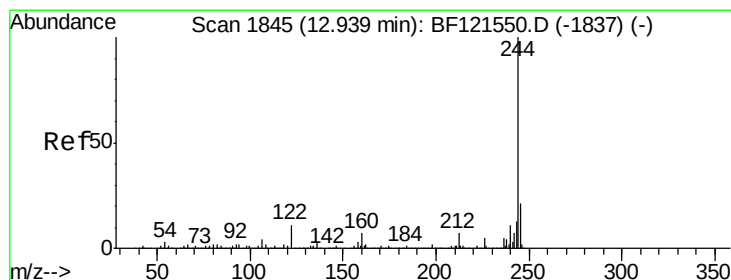
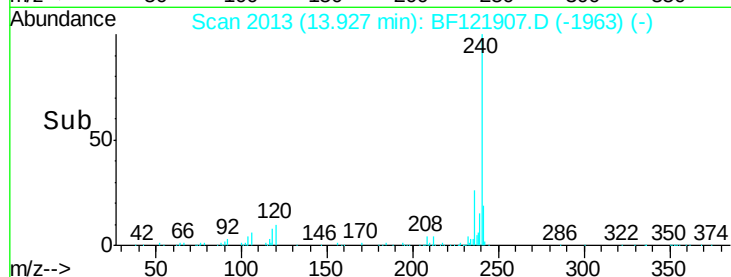
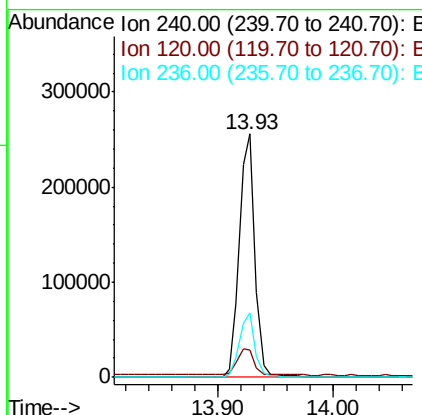
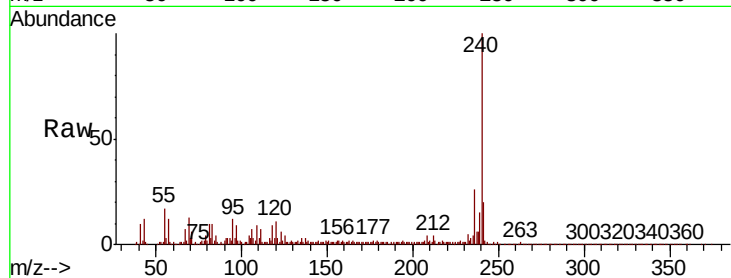




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF121907.D
 Acq: 9 Oct 2020 15:40

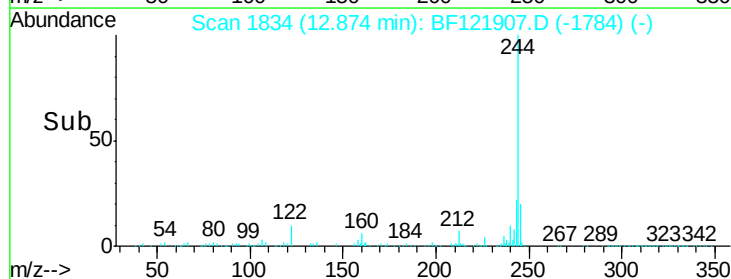
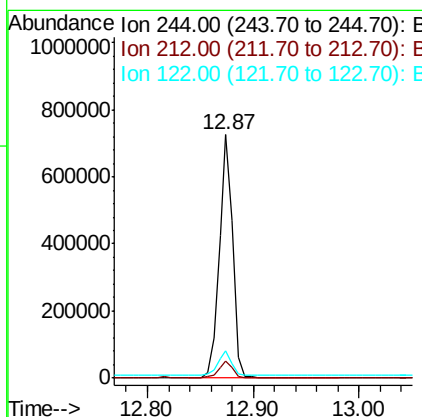
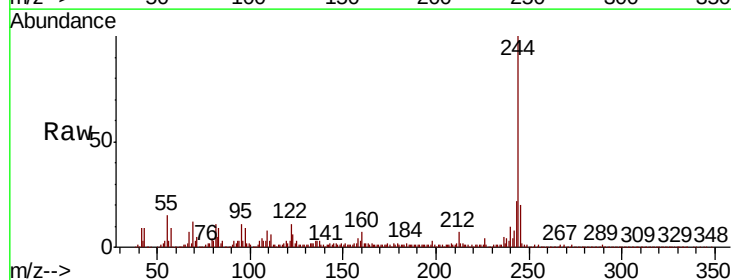
Instrument :
 BNA_F
 ClientSampleId :
 11935

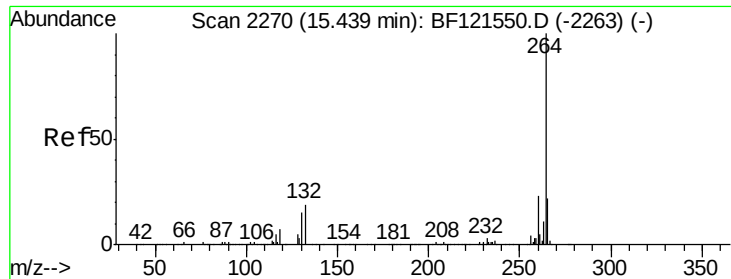
Tot Ion:240 Resp: 238003
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.2 13.8
 236 26.3 20.9 31.3



#79
 Terphenyl-d14
 Concen: 55.015 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF121907.D
 Acq: 9 Oct 2020 15:40

Tgt Ion:244 Resp: 646320
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 11.1 8.1 12.1

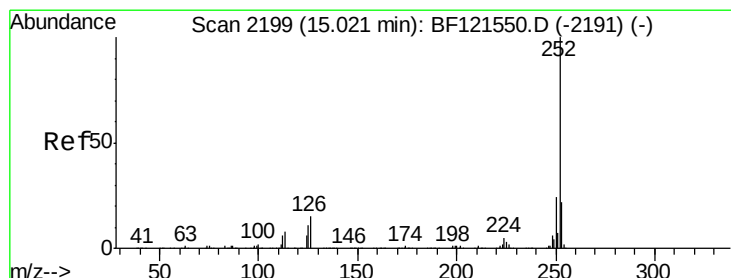
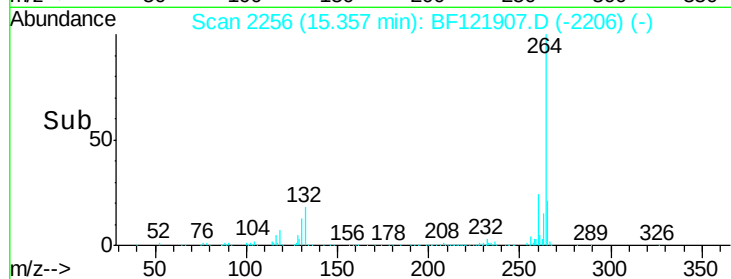
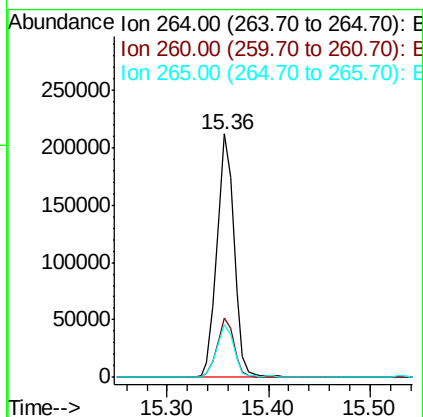
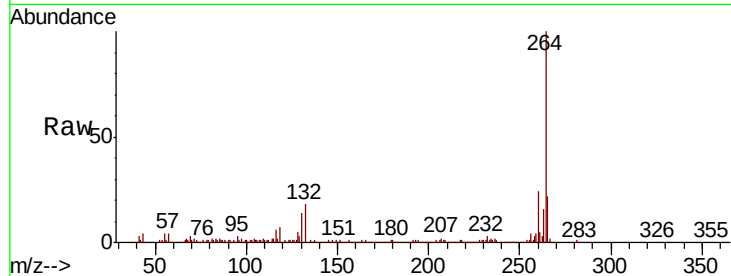




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121907.D
Acq: 9 Oct 2020 15:40

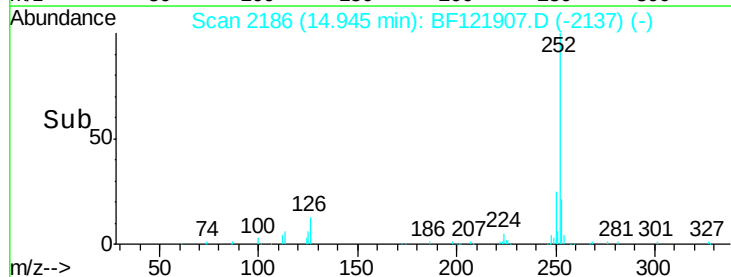
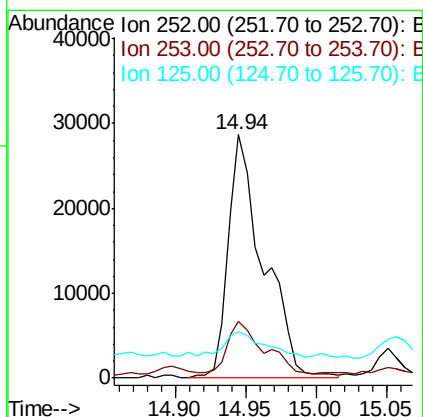
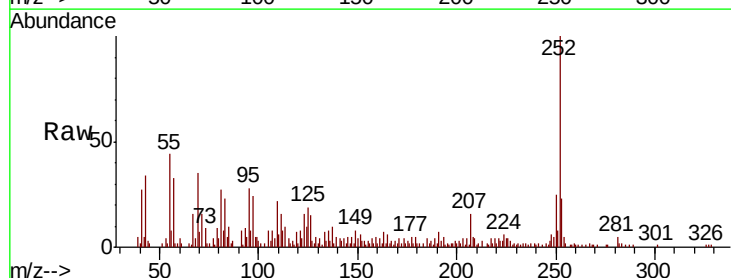
Instrument :
BNA_F
ClientSampleId :
11935

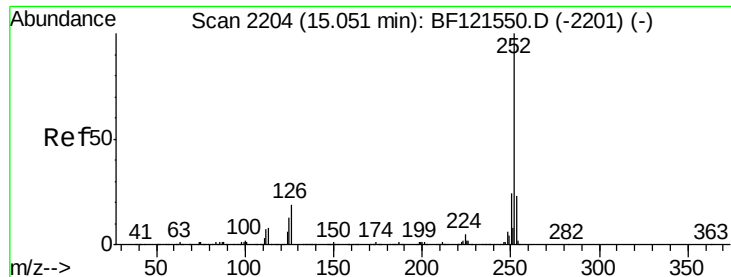
Tot Ion:264 Resp: 251747
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.5 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.982 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121907.D
Acq: 9 Oct 2020 15:40

Tgt Ion:252 Resp: 50190
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 19.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 3.257 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF121907.D

Acq: 9 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11935

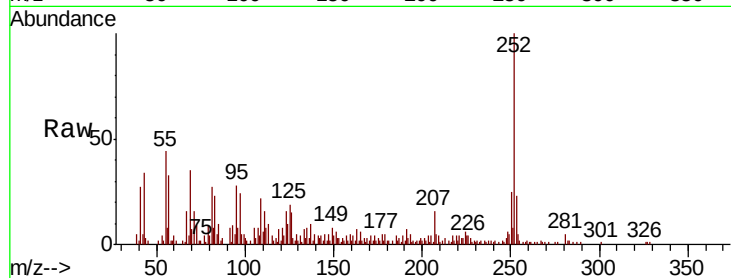
Tot Ion:252 Resp: 50190

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 19.3 7.7 11.5#



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

