

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081120\
 Data File : BF121244.D
 Acq On : 11 Aug 2020 17:17
 Operator : JU/CG
 Sample : L3506-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

Quant Time: Aug 11 18:42:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

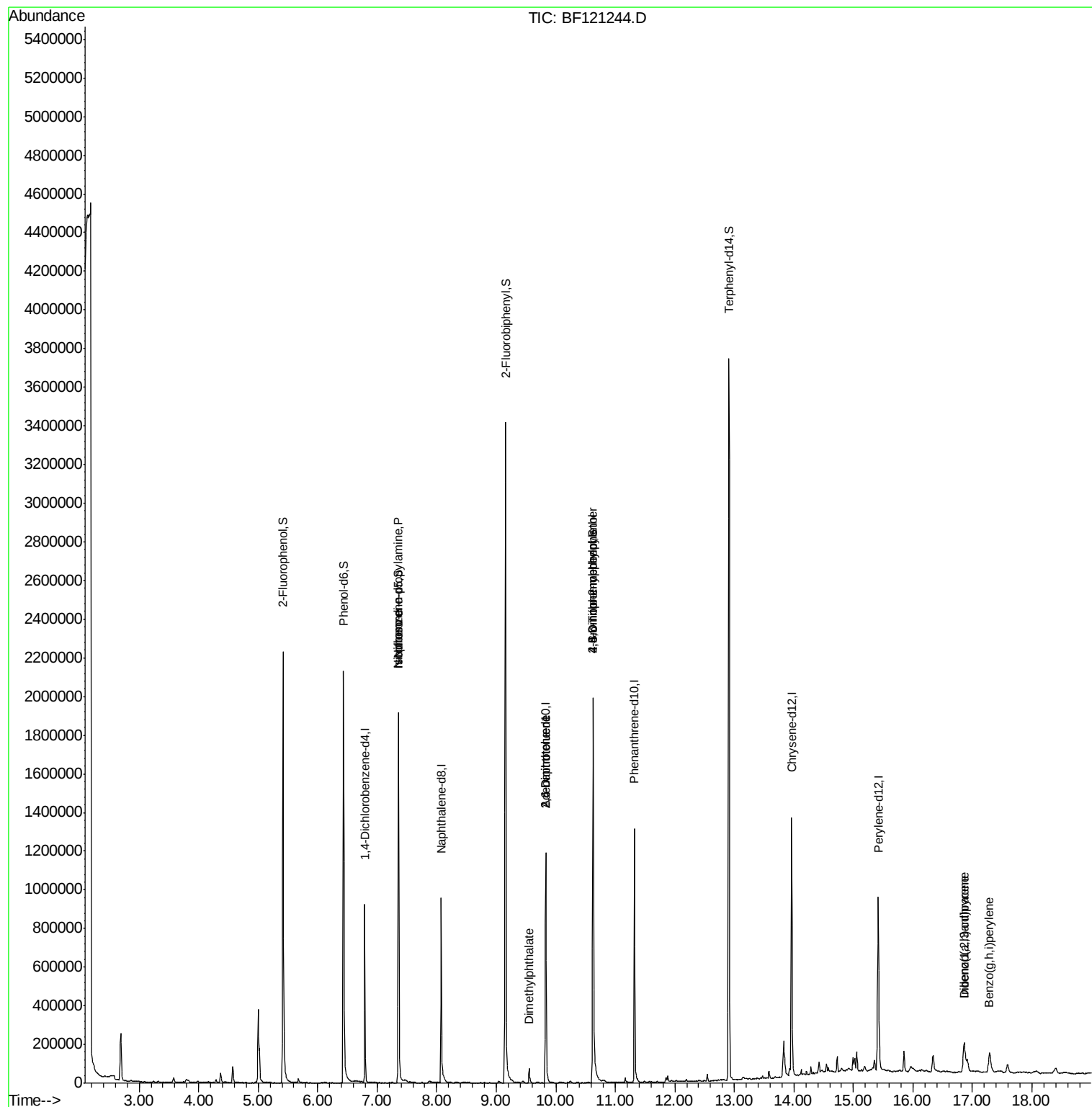
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	131866	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	516734	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	271734	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	549862	20.00	ng	0.00
76) Chrysene-d12	13.96	240	502702	20.00	ng	0.00
86) Perylene-d12	15.42	264	464400	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	804085	99.96	ng	0.00
7) Phenol-d6	6.43	99	872128	83.94	ng	-0.01
23) Nitrobenzene-d5	7.36	82	711758	79.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	363048	122.06	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1302288	71.55	ng	0.00
79) Terphenyl-d14	12.91	244	1473953	63.74	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1216	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.36	70	93005	15.741	ng	# 79
25) Isophorone	7.36	82	708056	39.727	ng	# 62
50) Dimethylphthalate	9.55	163	43588	2.223	ng	# 99
51) 2,6-Dinitrotoluene	9.83	165	34162	8.111	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	34162	6.177	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.62	198	576	4.009	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	20668	3.371	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.85	276	113503	3.514	ng	# 99
91) Dibenzo(a,h)anthracene	16.87	278	87396	3.313	ng	# 98
92) Benzo(a,h,i)perylene	17.29	276	117657	4.523	ng	# 100

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

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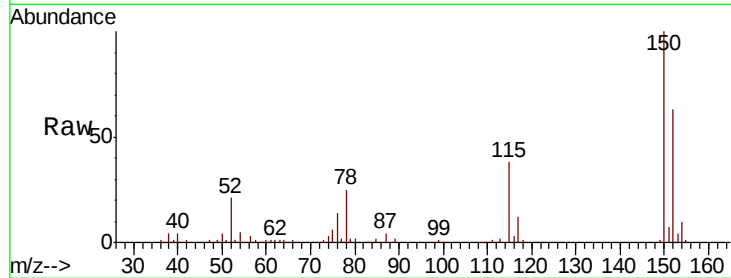


#1

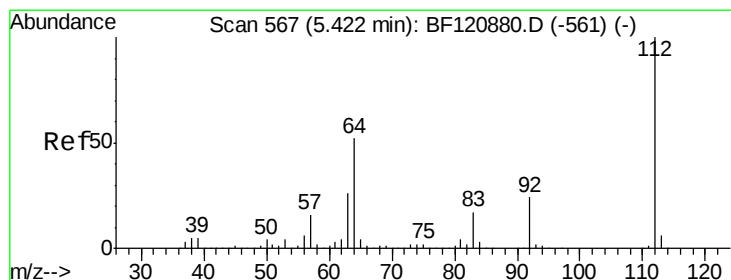
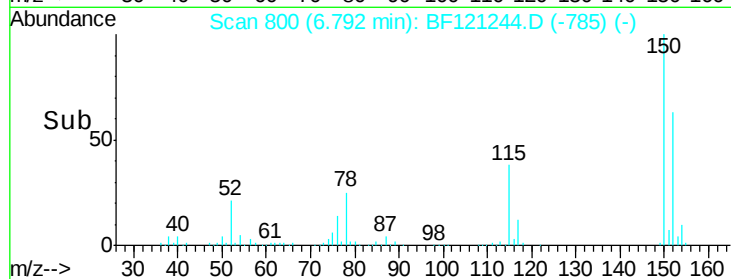
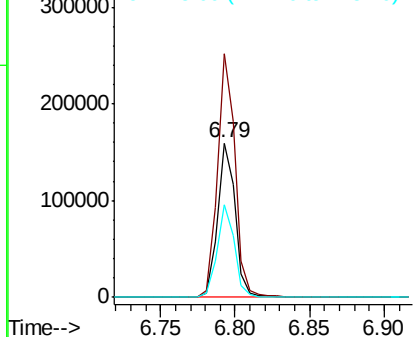
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

Tot Ion:152 Resp: 131866
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.6 188.4
 115 59.6 46.2 69.2



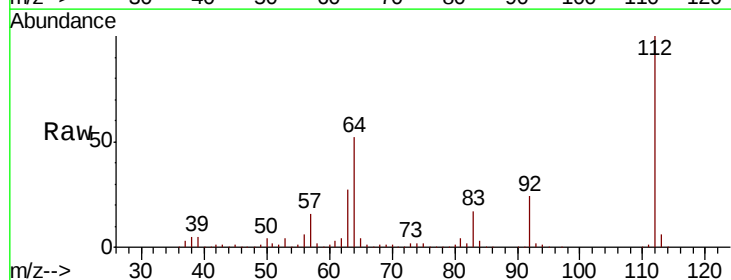
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



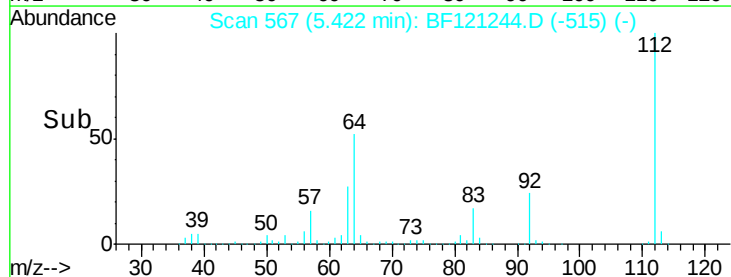
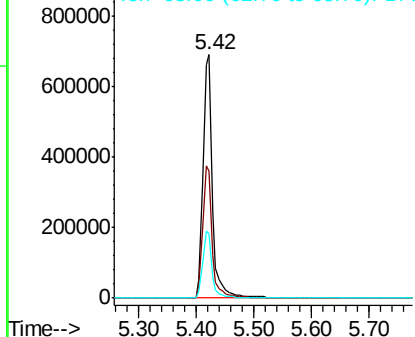
#5

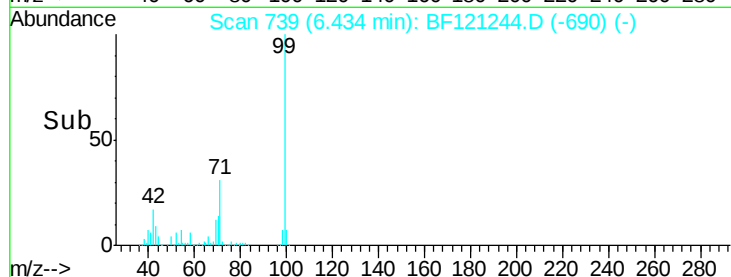
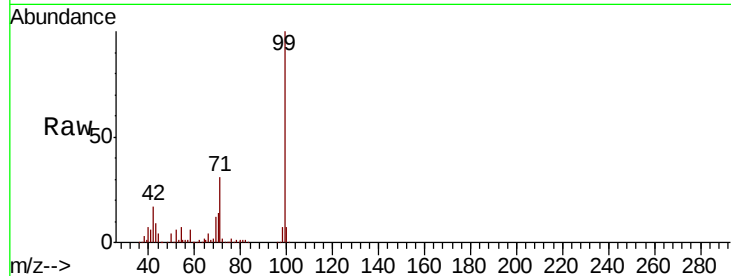
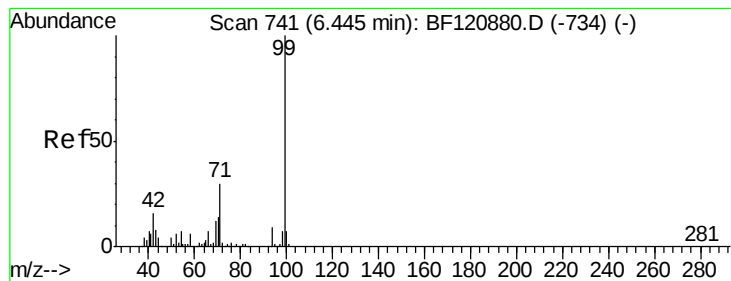
2-Fluorophenol
 Concen: 99.964 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Tgt Ion:112 Resp: 804085
 Ion Ratio Lower Upper
 112 100
 64 52.0 43.9 65.9
 63 26.7 22.7 34.1



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: 83.935 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

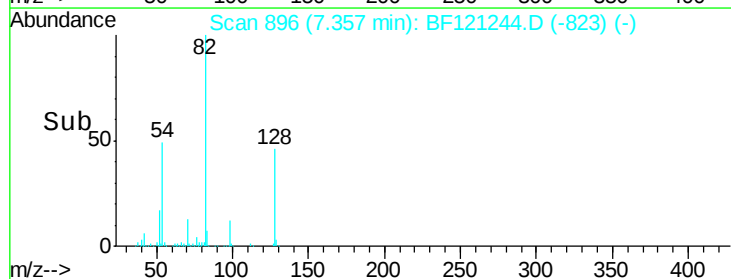
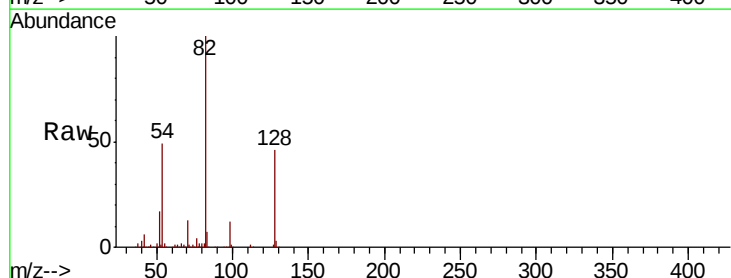
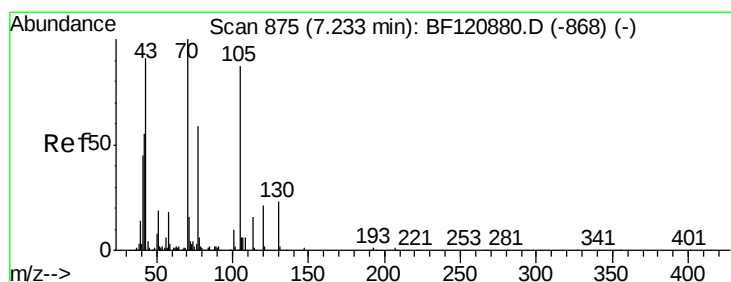
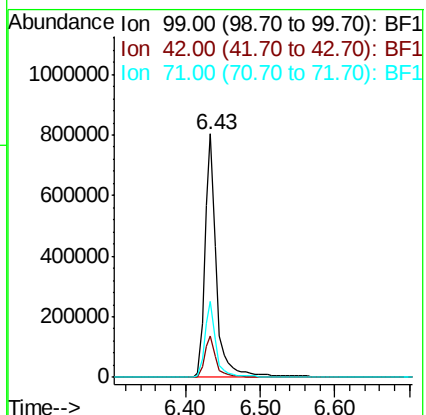
Tot Ion: 99 Resp: 872128

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 31.2 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.741 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Tgt Ion: 70 Resp: 93005

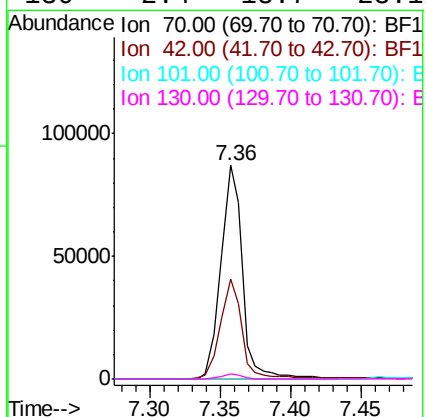
Ion Ratio Lower Upper

70 100

42 46.7 43.3 64.9

101 0.0 8.4 12.6#

130 2.4 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

Tot Ion:136 Resp: 516734

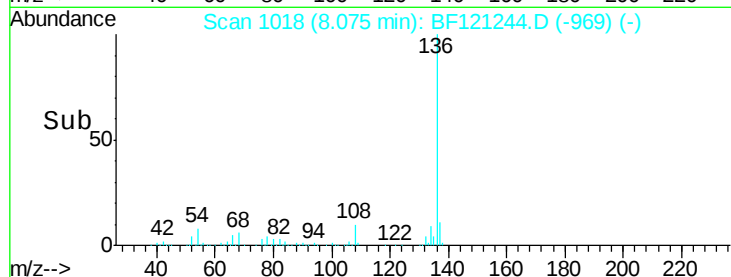
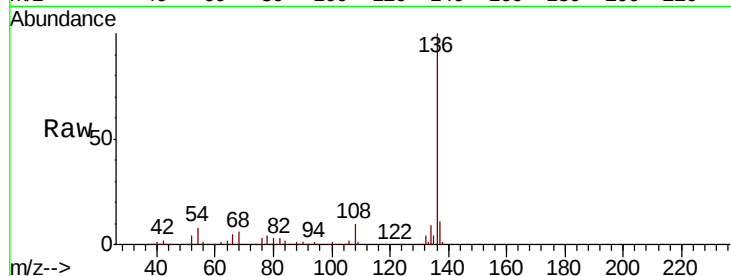
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.8 6.1 9.1

68 6.2 5.0 7.6

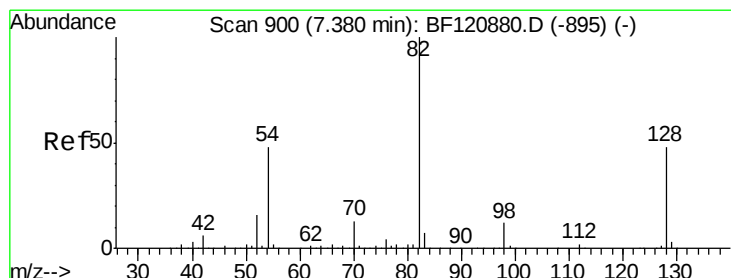
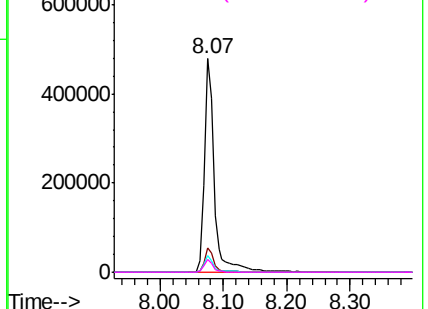


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.702 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

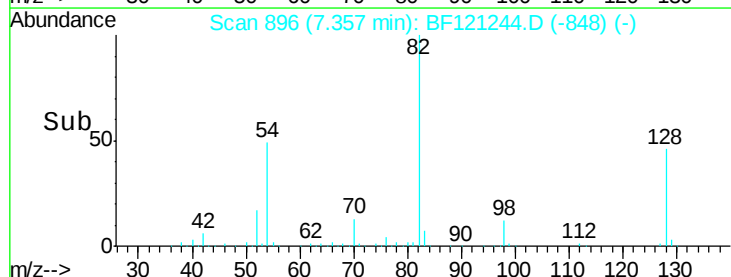
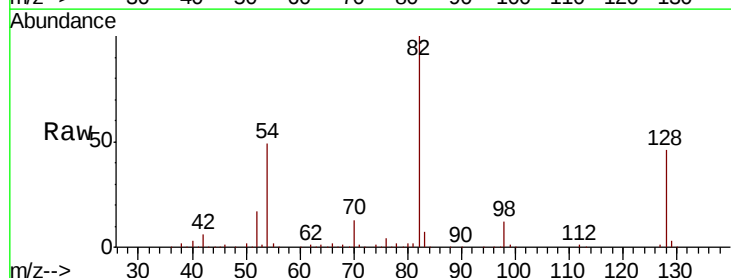
Tgt Ion: 82 Resp: 711758

Ion Ratio Lower Upper

82 100

128 45.7 39.2 58.8

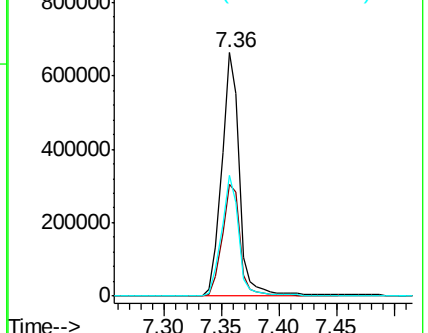
54 49.5 37.8 56.8



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: 39.727 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

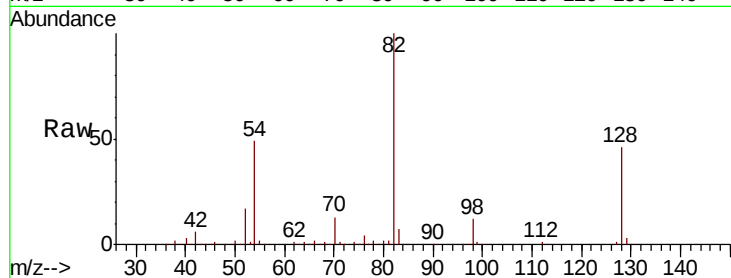
Tot Ion: 82 Resp: 708056

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

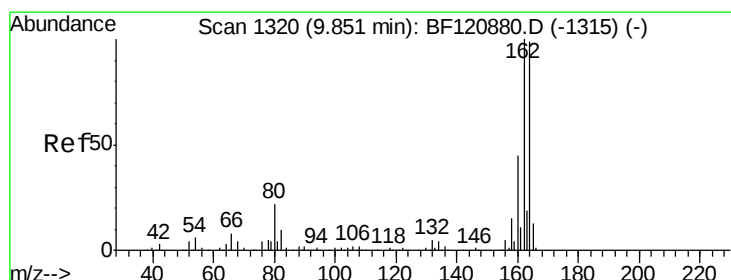
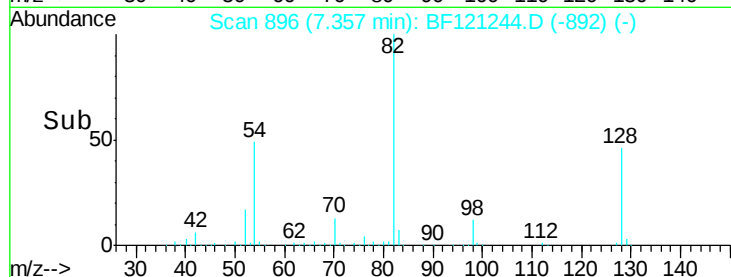
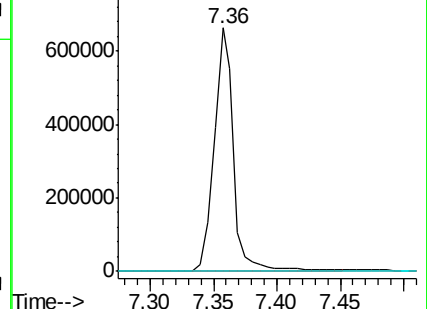
138 0.0 16.2 24.2#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

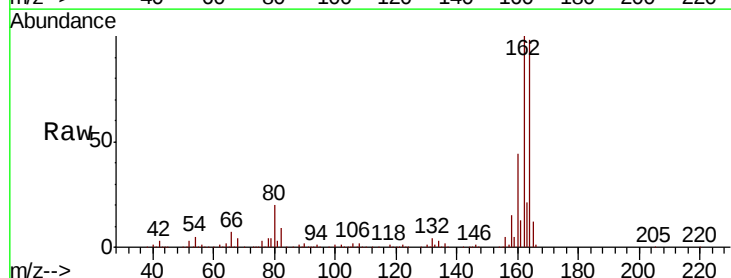
Tgt Ion:164 Resp: 271734

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

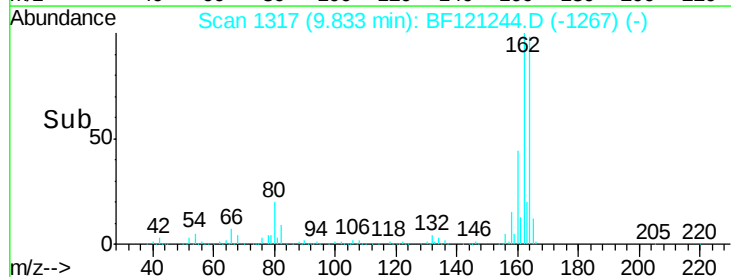
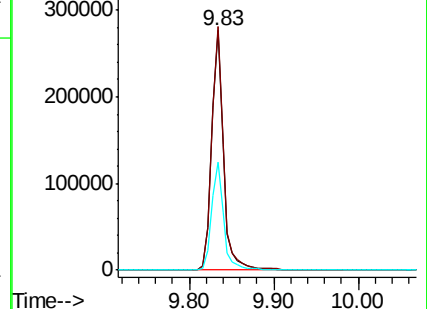
160 45.1 37.2 55.8



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

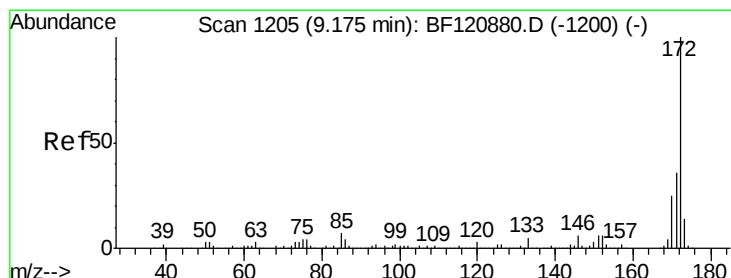
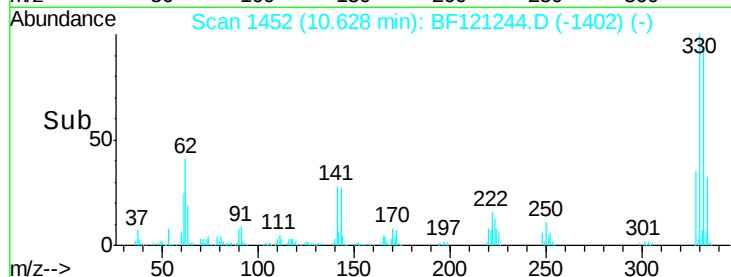
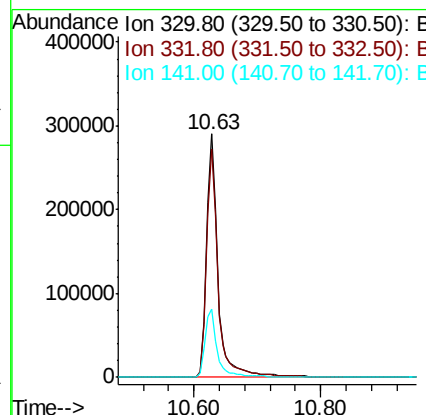
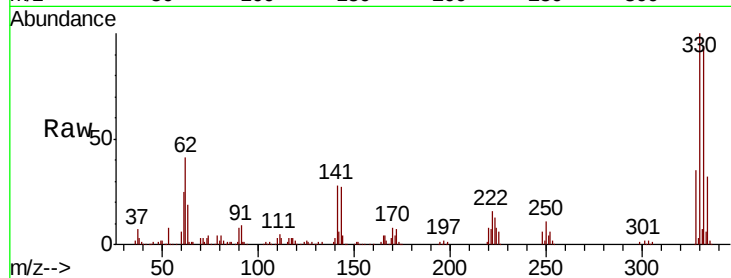




#42
 2,4,6-Tribromophenol
 Concen: 122.058 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

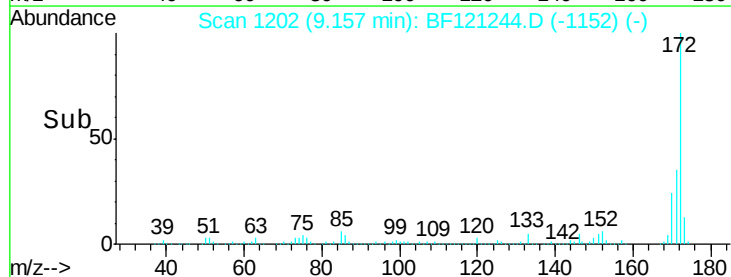
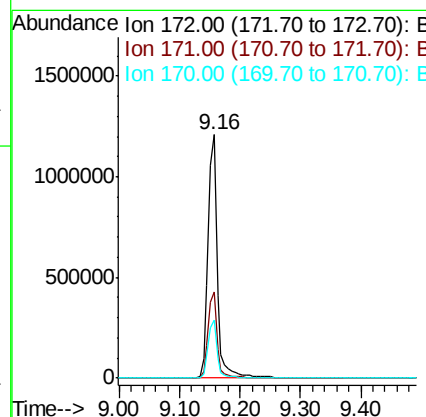
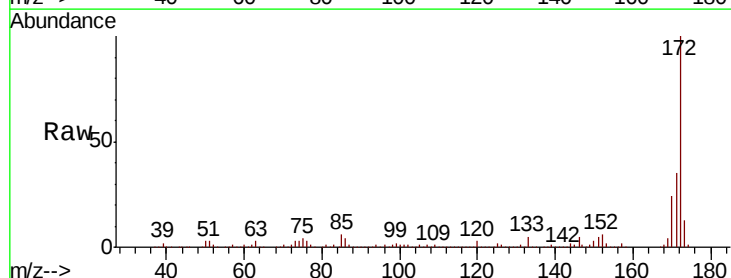
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

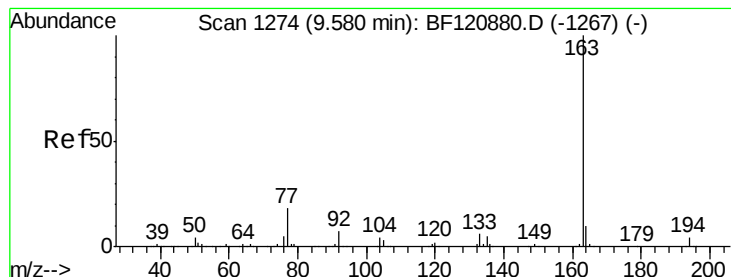
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	30.1	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 71.554 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	24.1	19.6	29.4





#50

Dimethylphthalate

Concen: 2.223 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

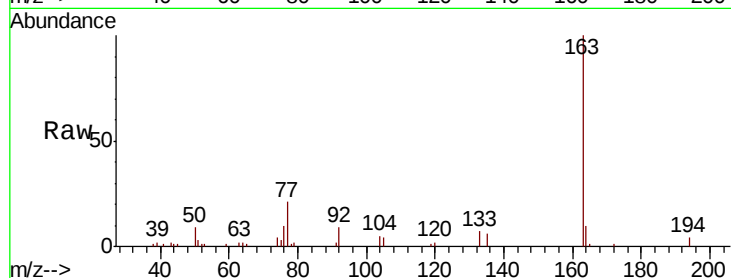
Tot Ion:163 Resp: 43588

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

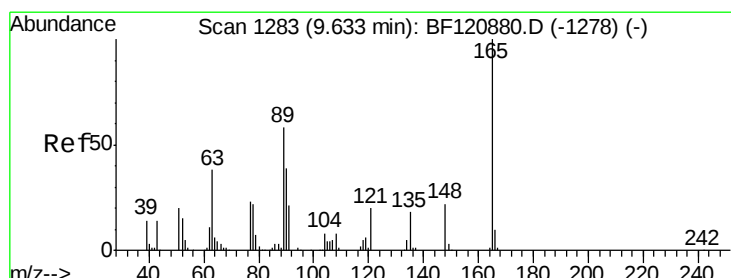
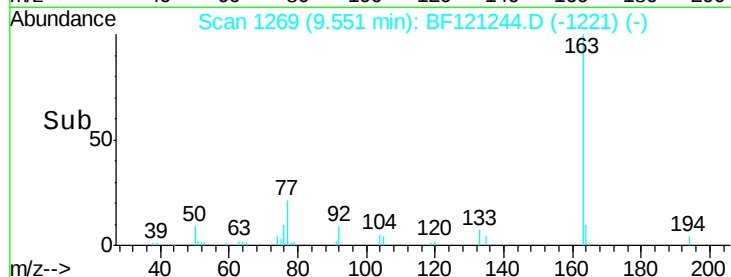
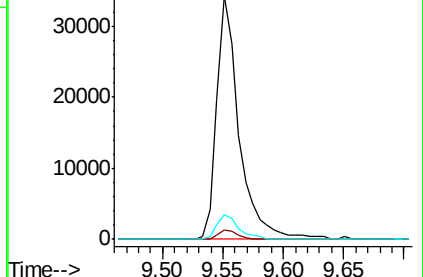
164 10.2 8.4 12.6



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: 8.111 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

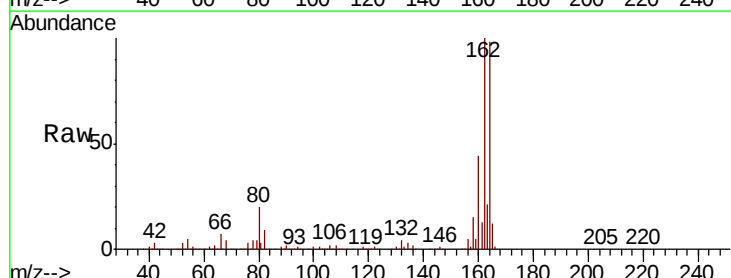
Tgt Ion:165 Resp: 34162

Ion Ratio Lower Upper

165 100

63 1.3 41.1 61.7#

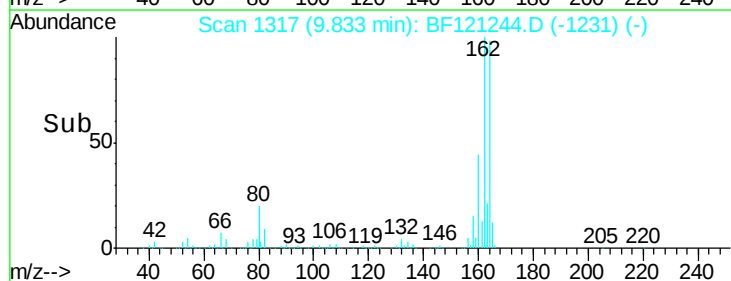
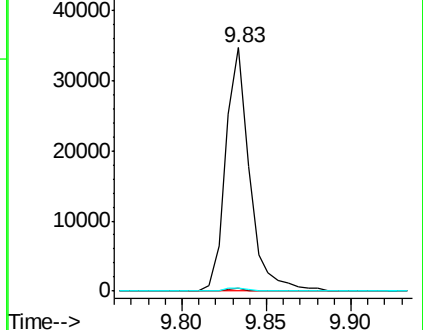
89 1.5 43.5 65.3#

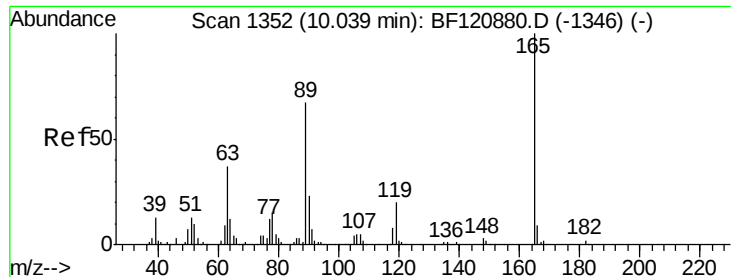


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

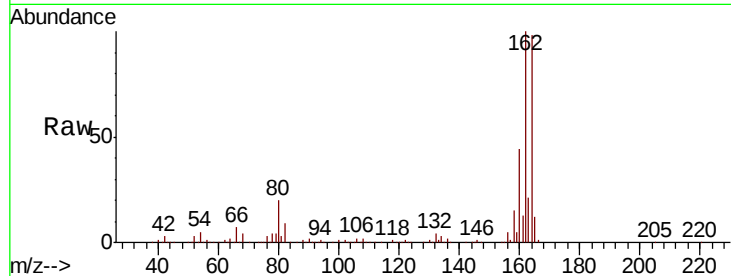




#57
 2,4-Dinitrotoluene
 Concen: 6.177 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.8	44.8#
89	1.5	50.3	75.5#
182	0.0	2.1	3.1#



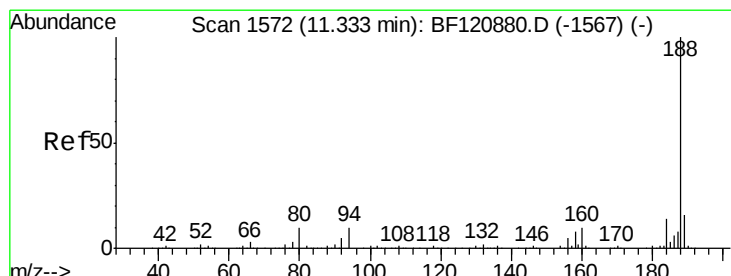
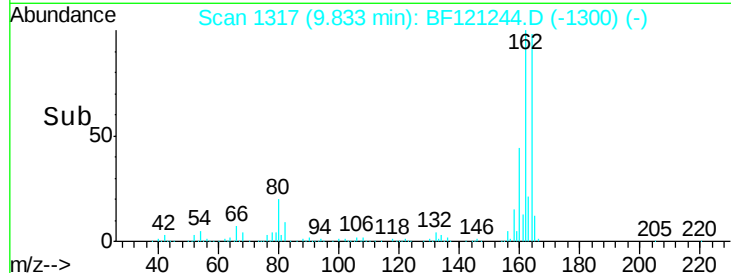
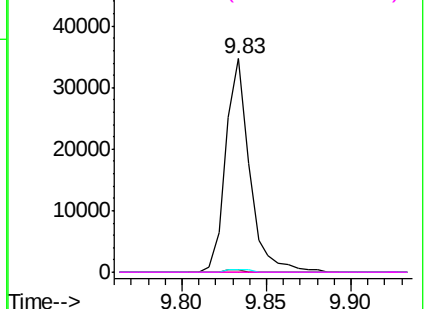
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

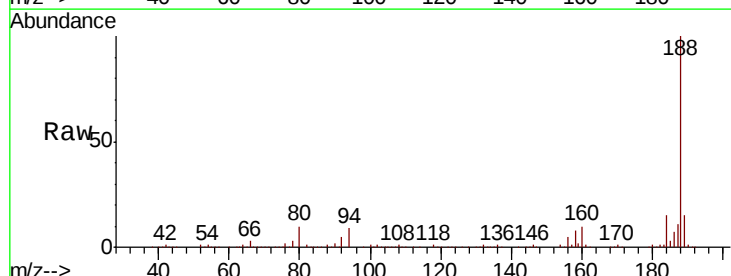
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	9.9	8.3	12.5

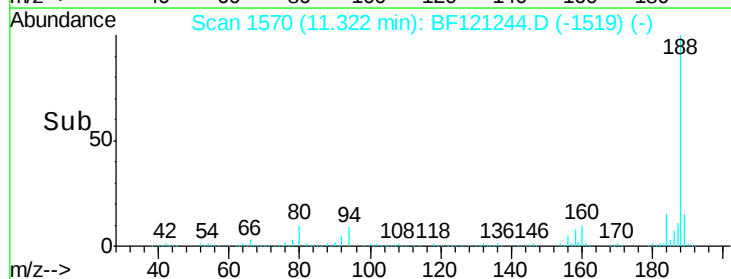
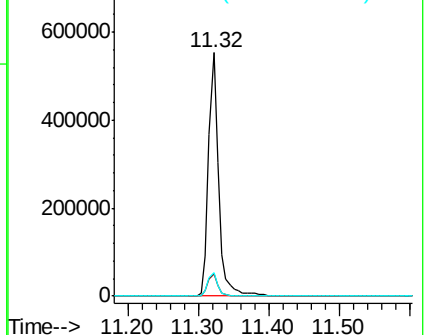


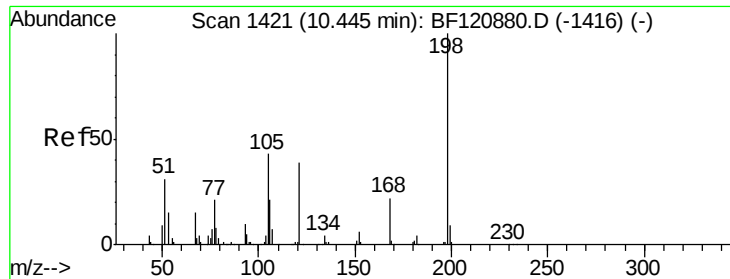
Abundance

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

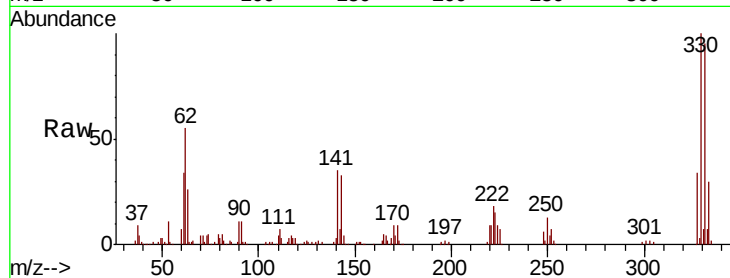




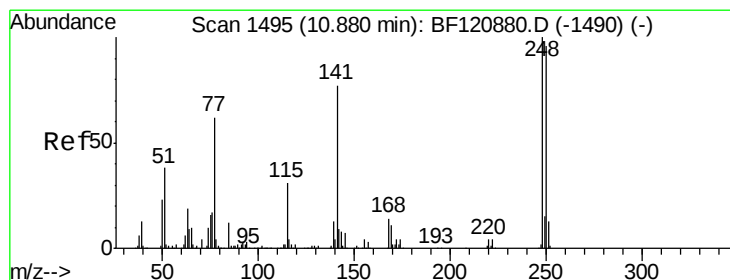
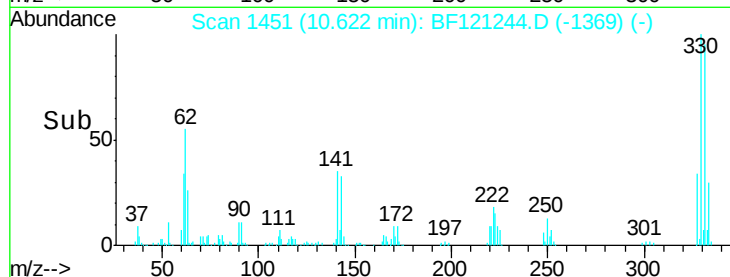
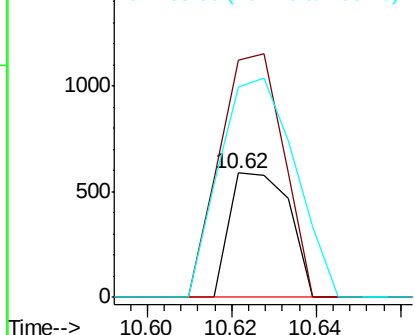
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.009 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.18 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

Tot Ion:198 Resp: 576
 Ion Ratio Lower Upper
 198 100
 51 191.8 23.4 63.4#
 105 169.2 23.7 63.7#

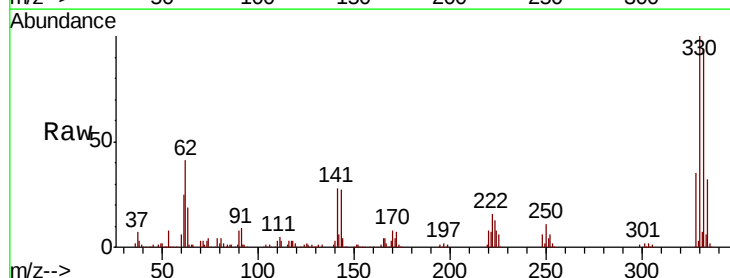


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

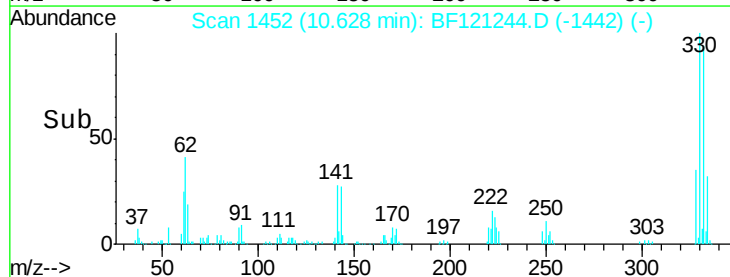
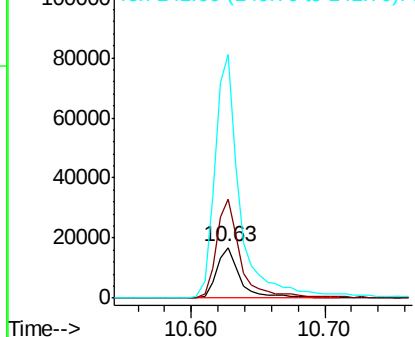


#67
 4-Bromophenyl-phenylether
 Concen: 3.371 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF121244.D
 Acq: 11 Aug 2020 17:17

Tgt Ion:248 Resp: 20668
 Ion Ratio Lower Upper
 248 100
 250 194.6 77.0 115.6#
 141 481.0 56.6 85.0#



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: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

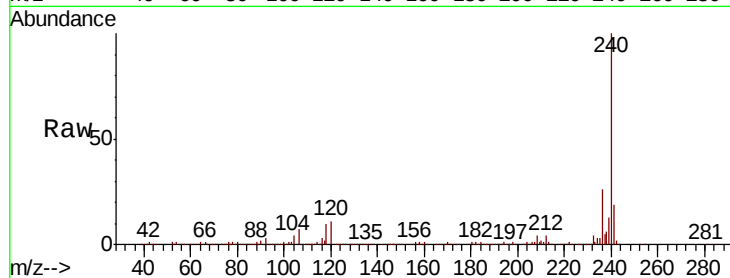
Tot Ion:240 Resp: 502702

Ion Ratio Lower Upper

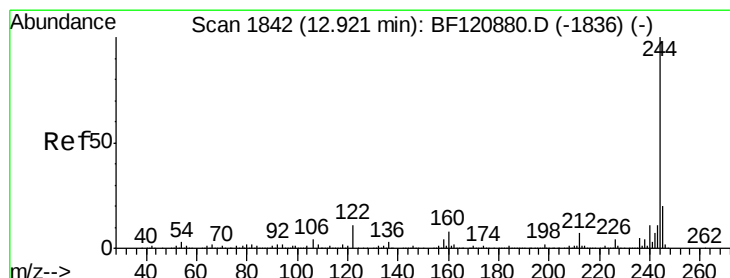
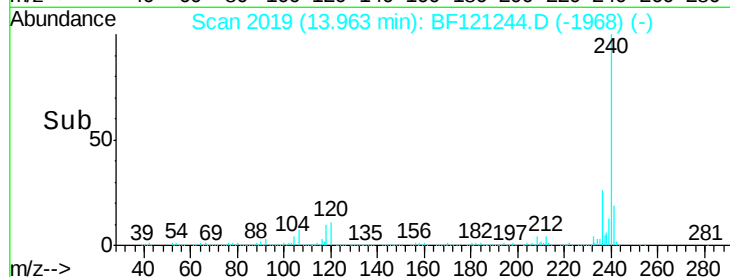
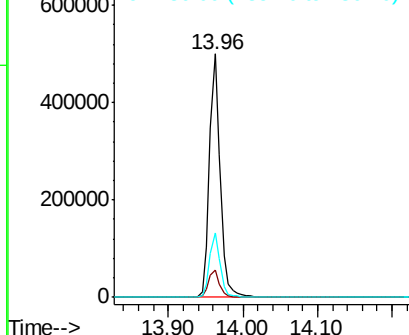
240 100

120 11.3 9.3 13.9

236 26.2 21.1 31.7



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: 63.737 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

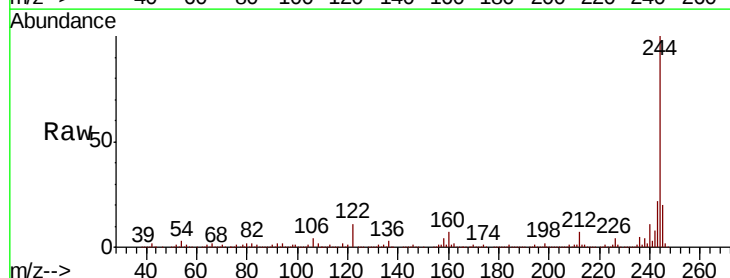
Tgt Ion:244 Resp: 1473953

Ion Ratio Lower Upper

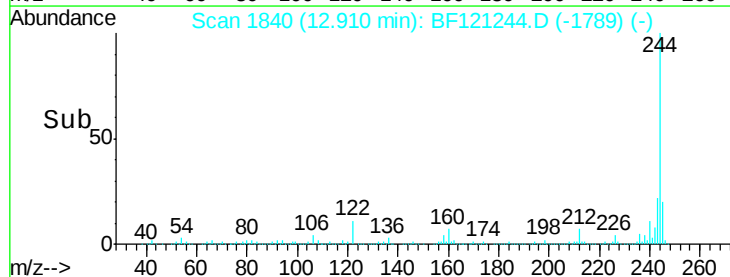
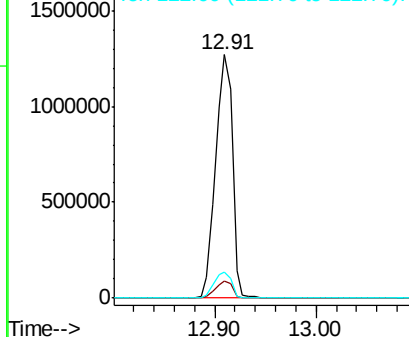
244 100

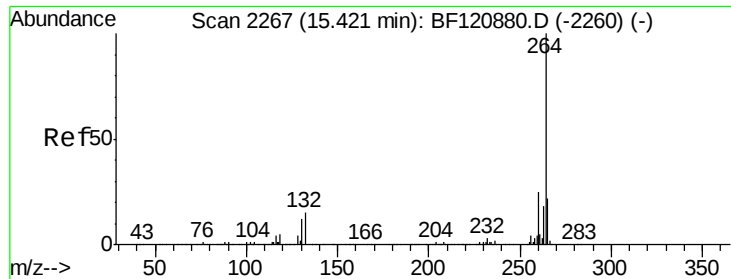
212 7.0 5.7 8.5

122 10.7 8.3 12.5



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

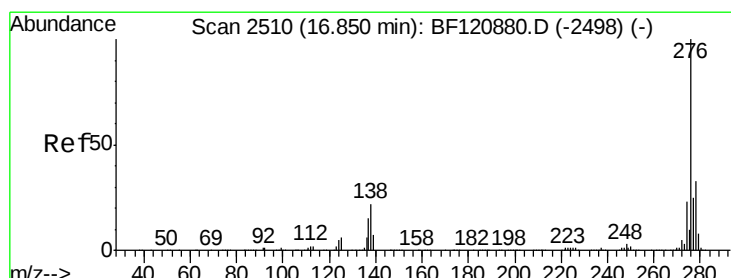
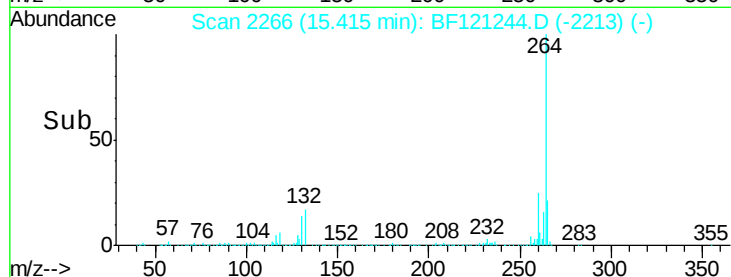
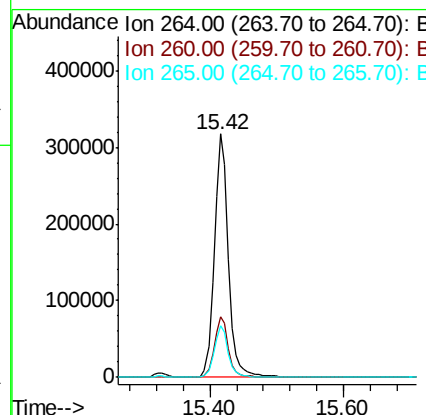
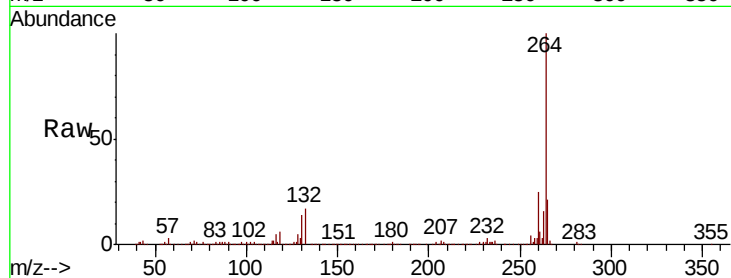




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121244.D
Acq: 11 Aug 2020 17:17

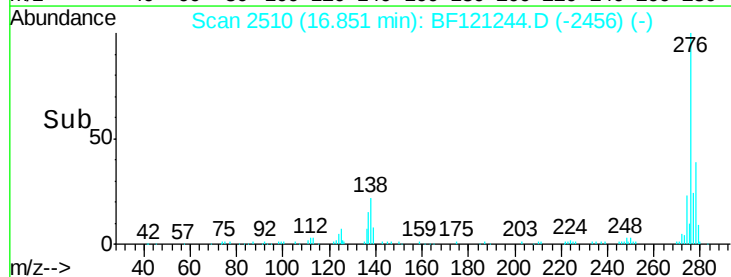
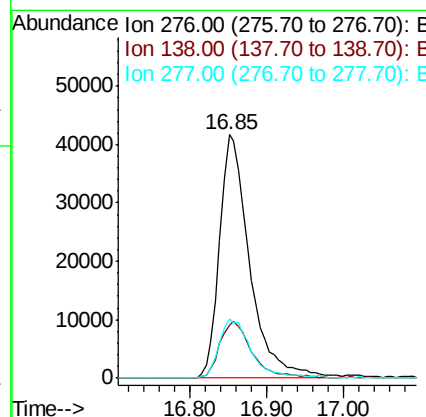
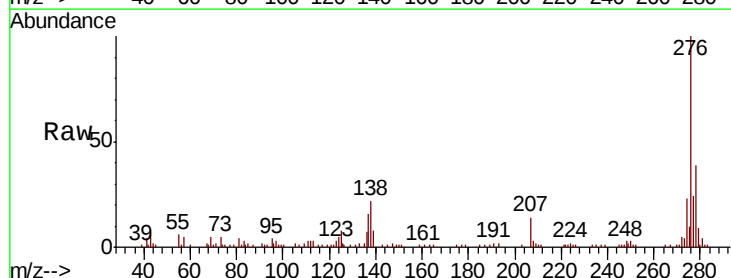
Instrument :
BNA_F
ClientSampleId :
OR-02-080720

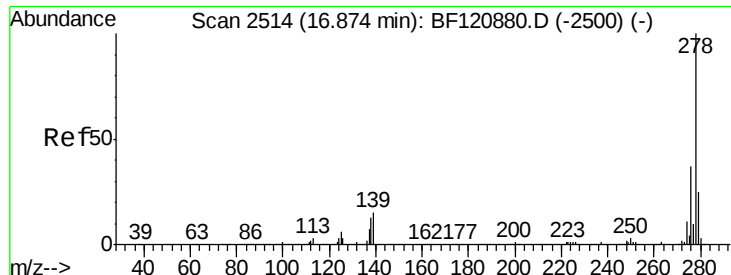
Tot Ion:264 Resp: 464400
Ion Ratio Lower Upper
264 100
260 25.0 19.9 29.9
265 21.4 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.514 ng
RT: 16.85 min Scan# 2510
Delta R.T. 0.02 min
Lab File: BF121244.D
Acq: 11 Aug 2020 17:17

Tgt Ion:276 Resp: 113503
Ion Ratio Lower Upper
276 100
138 24.9 19.3 28.9
277 25.6 20.1 30.1





#91

Dibenzo(a,h)anthracene

Concen: 3.313 ng

RT: 16.87 min Scan# 2513

Delta R.T. 0.02 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

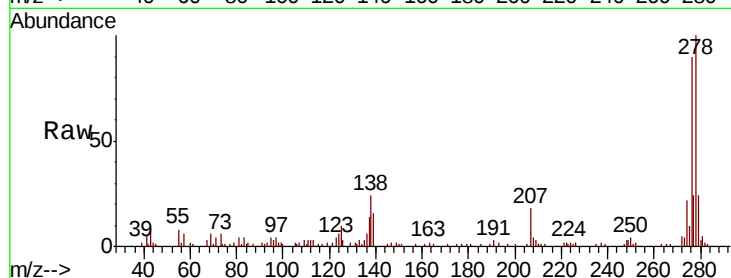
Tot Ion:278 Resp: 87396

Ion Ratio Lower Upper

278 100

139 16.2 12.6 18.8

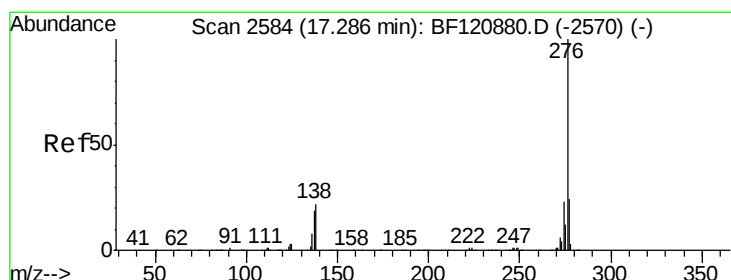
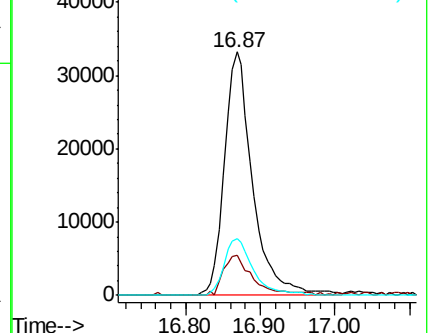
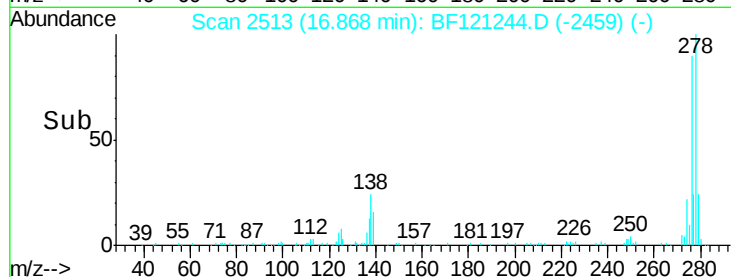
279 23.5 19.5 29.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.523 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BF121244.D

Acq: 11 Aug 2020 17:17

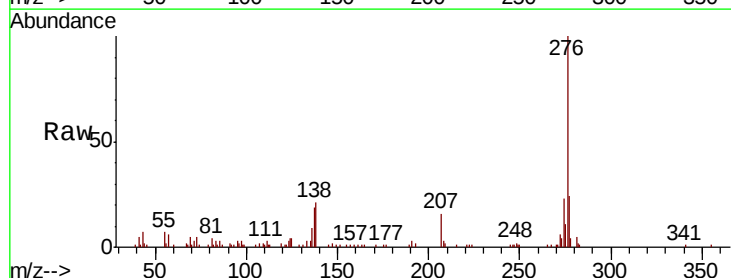
Tgt Ion:276 Resp: 117657

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 21.4 17.2 25.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

