

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121879.D
 Acq On : 7 Oct 2020 18:00
 Operator : JU/CG
 Sample : L4221-06 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-100620

Quant Time: Oct 08 00:43:20 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

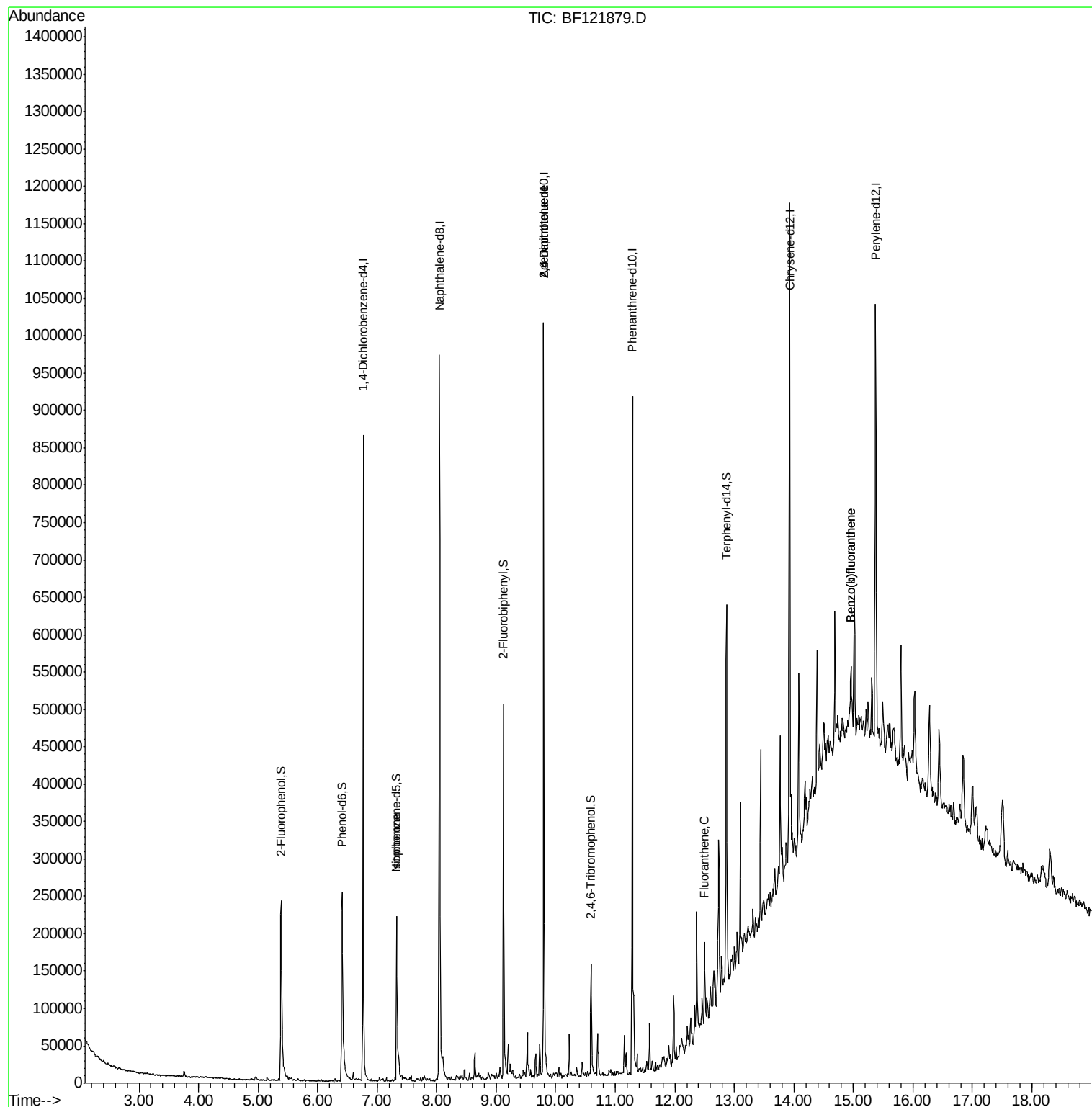
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	124729	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	475625	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	214231	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	339656	20.00	ng	0.00
76) Chrysene-d12	13.93	240	282614	20.00	ng	0.00
86) Perylene-d12	15.37	264	225636	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	109138	13.00	ng	0.00
7) Phenol-d6	6.41	99	145367	13.20	ng	0.00
23) Nitrobenzene-d5	7.33	82	93012	10.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	23155	8.70	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	189458	13.39	ng	-0.01
79) Terphenyl-d14	12.87	244	150909	10.82	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	93011	5.216	ng	# 67
51) 2,6-Dinitrotoluene	9.80	165	27344	8.269	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	27344	6.573	ng	# 21
75) Fluoranthene	12.50	202	39707	2.010	ng	99
88) Benzo(b)fluoranthene	14.96	252	51538	3.417	ng	# 78
89) Benzo(k)fluoranthene	14.96	252	51538	3.731	ng	# 77

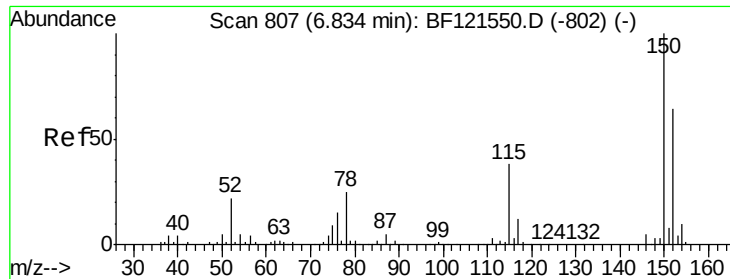
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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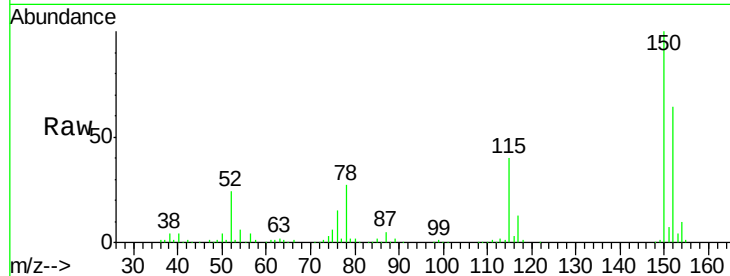


#1

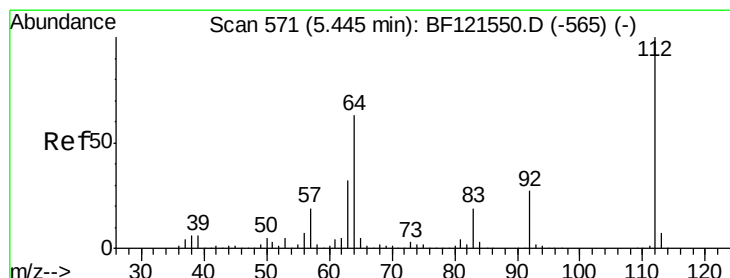
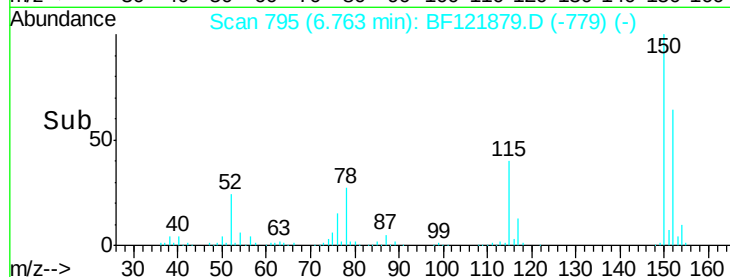
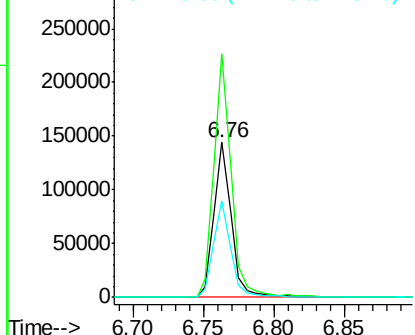
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121879.D
Acq: 7 Oct 2020 18:00

Instrument :
BNA_F
ClientSampleId :
OK-01-100620

Tot Ion:152 Resp: 124729
Ion Ratio Lower Upper
152 100
150 157.0 125.3 187.9
115 62.6 51.9 77.9



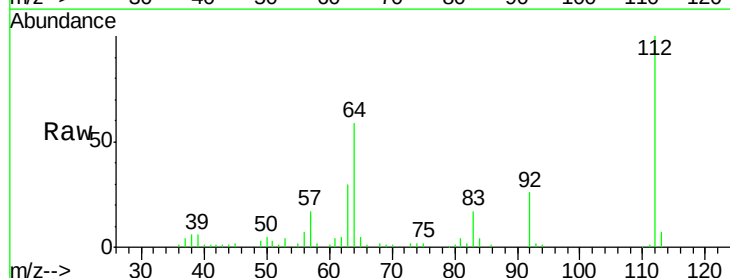
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



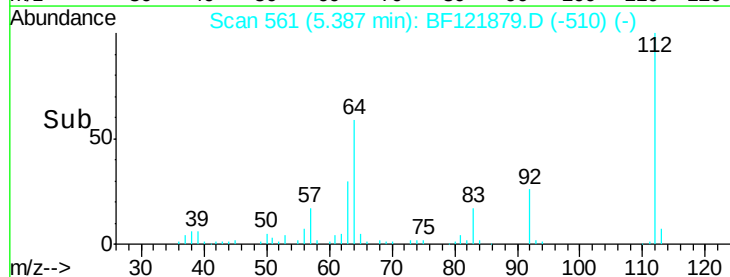
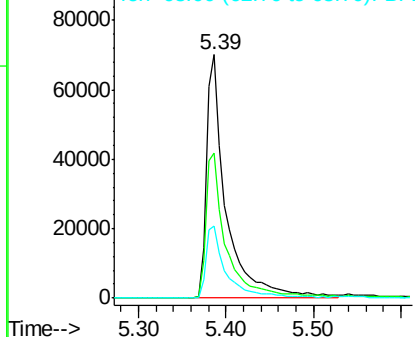
#5

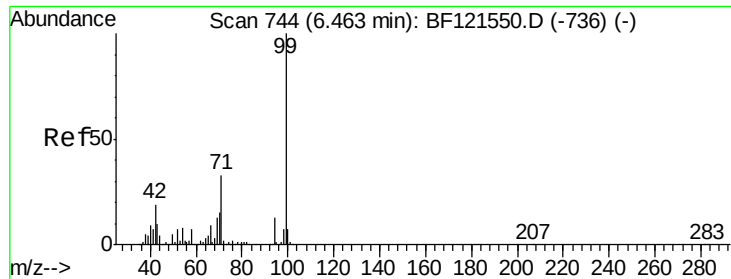
2-Fluorophenol
Concen: 13.004 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121879.D
Acq: 7 Oct 2020 18:00

Tgt Ion:112 Resp: 109138
Ion Ratio Lower Upper
112 100
64 59.3 50.4 75.6
63 29.5 25.8 38.6



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: 13.202 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

Instrument :

BNA_F

ClientSampleId :

OK-01-100620

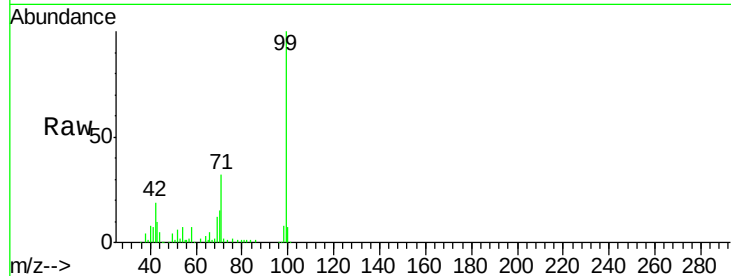
Tot Ion: 99 Resp: 145367

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

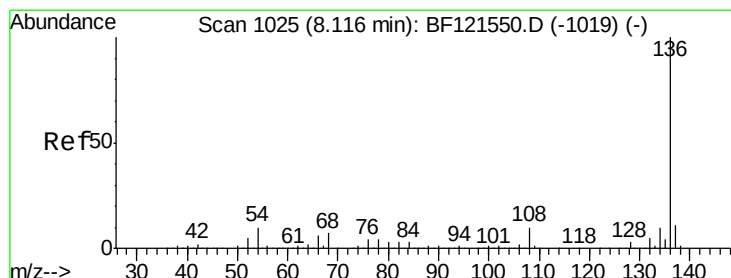
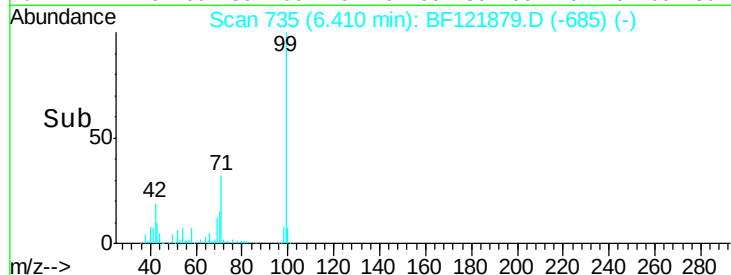
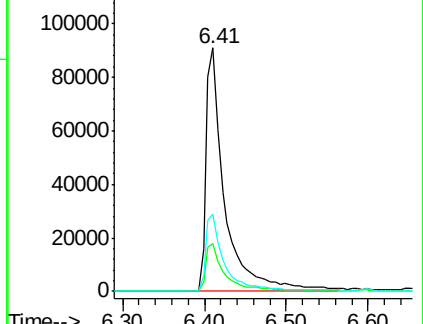
71 31.5 27.1 40.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

Tgt Ion: 136 Resp: 475625

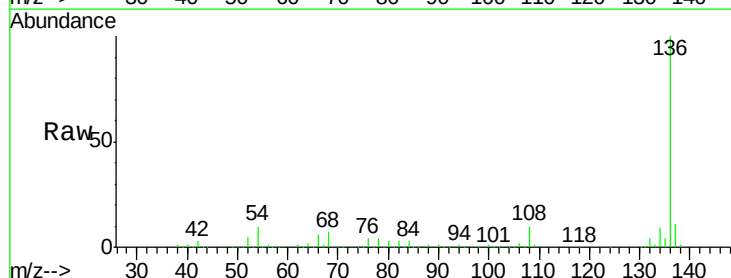
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.6 7.1 10.7

68 6.8 5.0 7.4

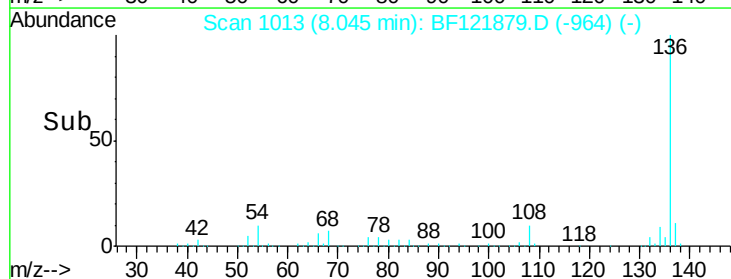
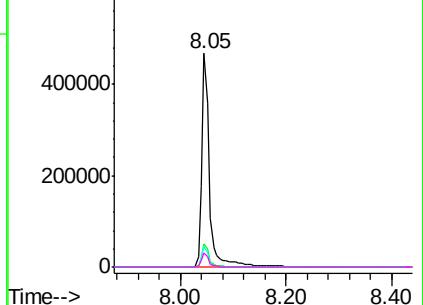


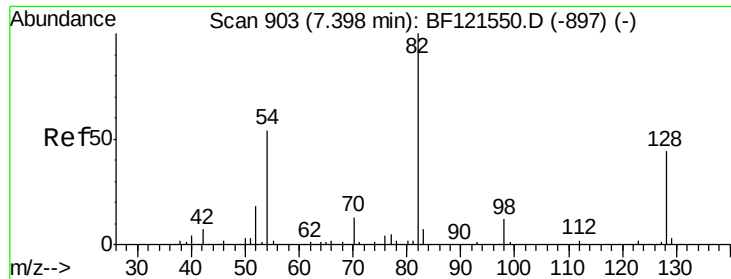
Abundance Ion 136.00 (135.70 to 136.70): E

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

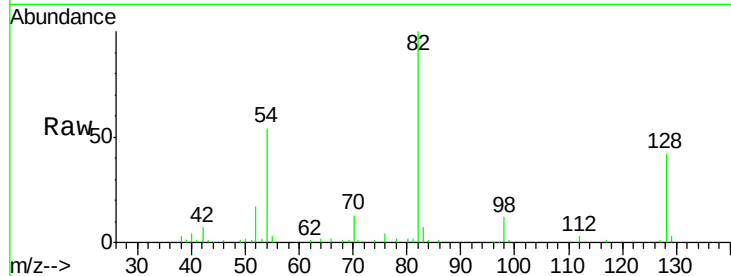




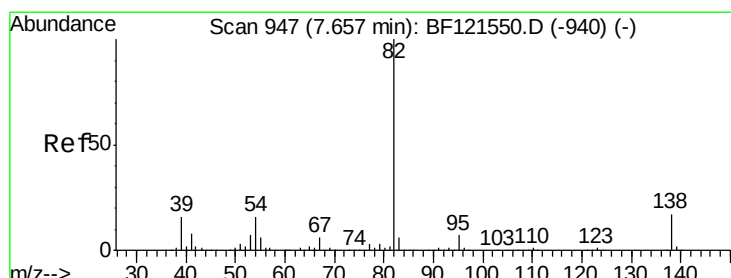
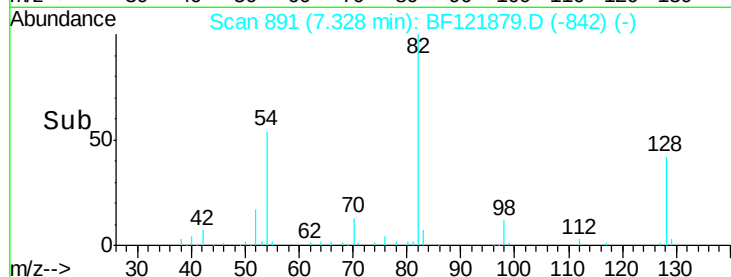
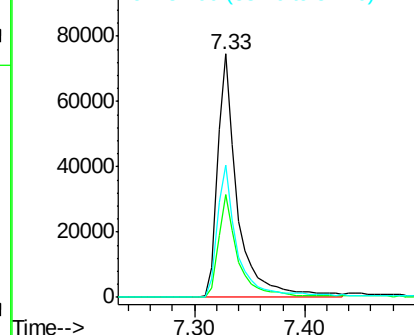
#23
Nitrobenzene-d5
Concen: 10.500 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121879.D
Acq: 7 Oct 2020 18:00

Instrument :
BNA_F
ClientSampleId :
OK-01-100620

Tot Ion: 82 Resp: 93012
Ion Ratio Lower Upper
82 100
128 42.4 35.0 52.4
54 54.1 43.9 65.9

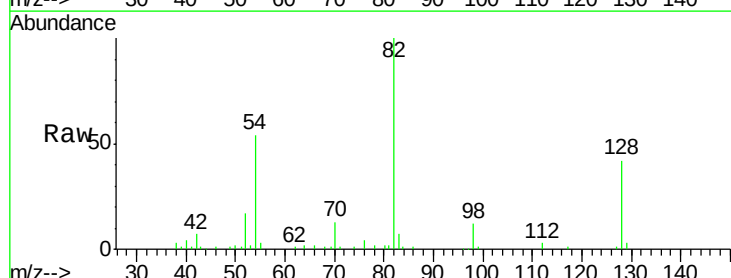


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

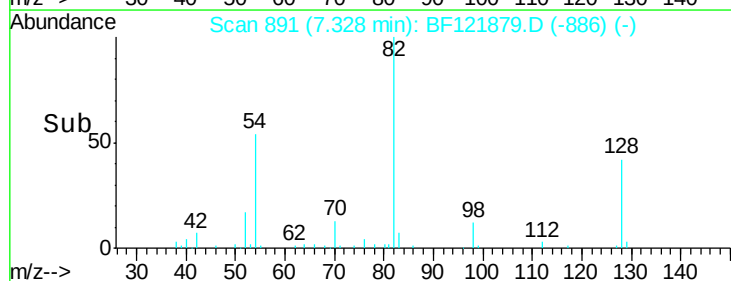
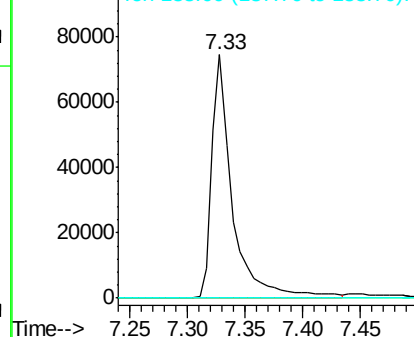


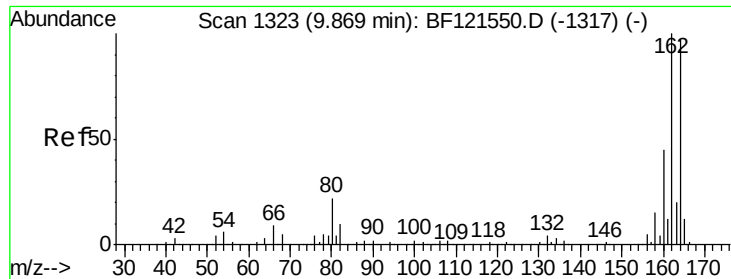
#25
Isophorone
Concen: 5.216 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.27 min
Lab File: BF121879.D
Acq: 7 Oct 2020 18:00

Tgt Ion: 82 Resp: 93011
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: BF121879.D

Acq: 7 Oct 2020 18:00

Instrument :

BNA_F

ClientSampleId :

OK-01-100620

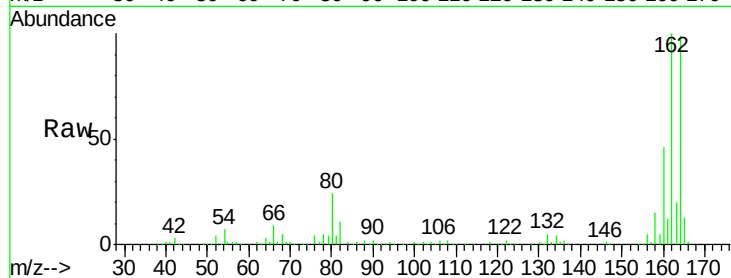
Tot Ion:164 Resp: 214231

Ion Ratio Lower Upper

164 100

162 101.3 83.2 124.8

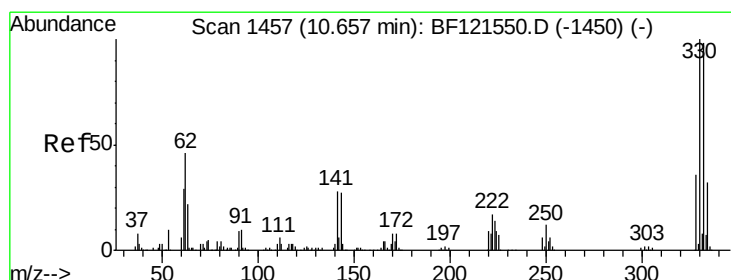
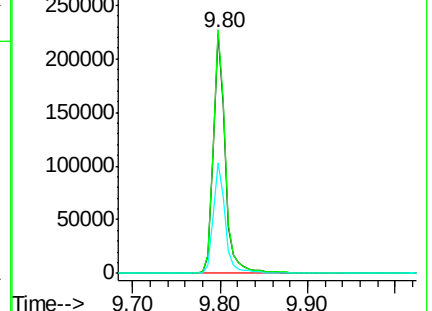
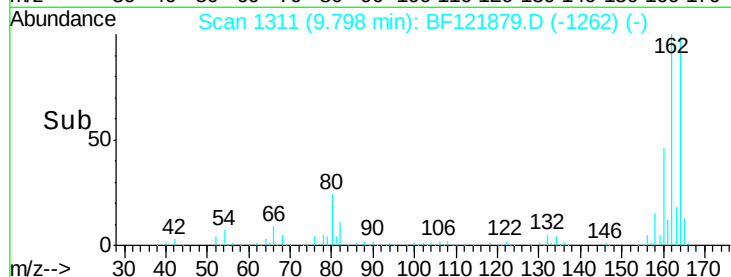
160 46.2 37.5 56.3



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: 8.696 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

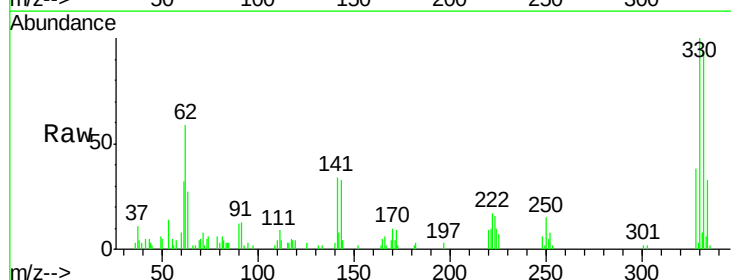
Tgt Ion:330 Resp: 23155

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

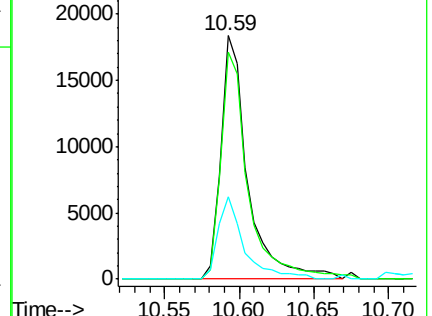
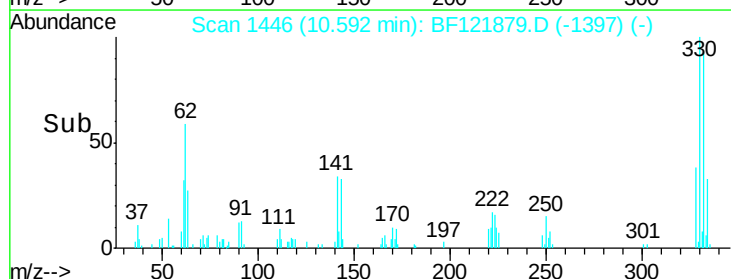
141 32.9 22.3 33.5

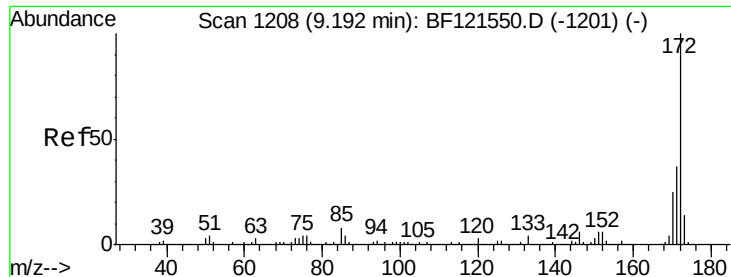


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

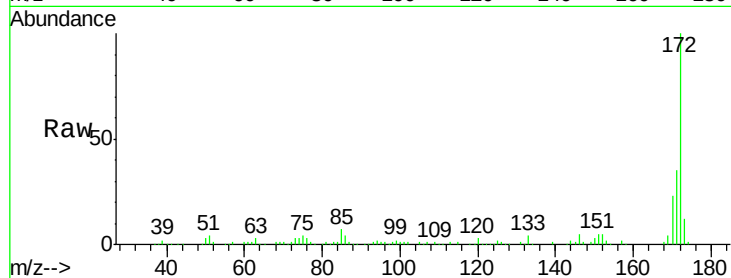




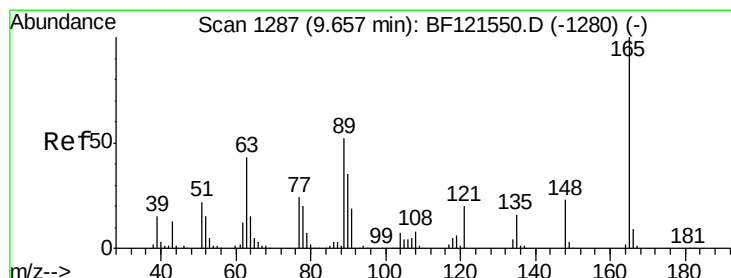
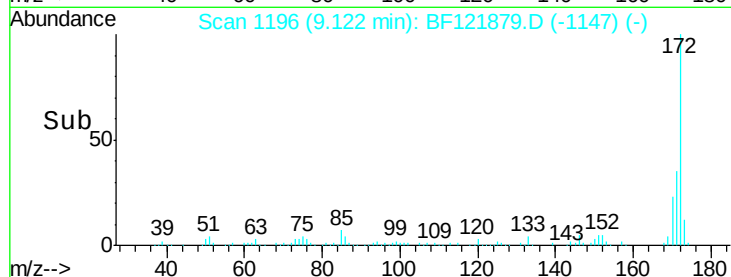
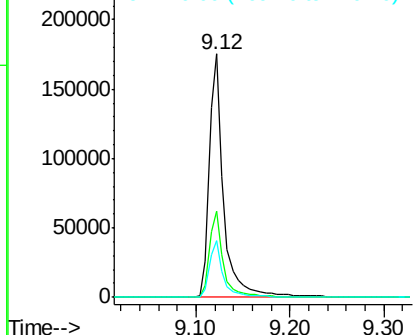
#45
 2-Fluorobiphenyl
 Concen: 13.394 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121879.D
 Acq: 7 Oct 2020 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-100620

Tot Ion:172 Resp: 189458
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.1 43.7
 170 23.2 19.8 29.6

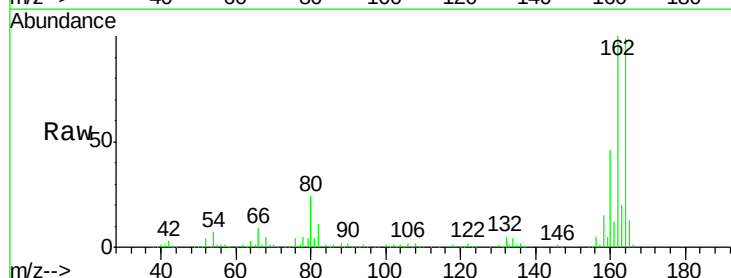


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

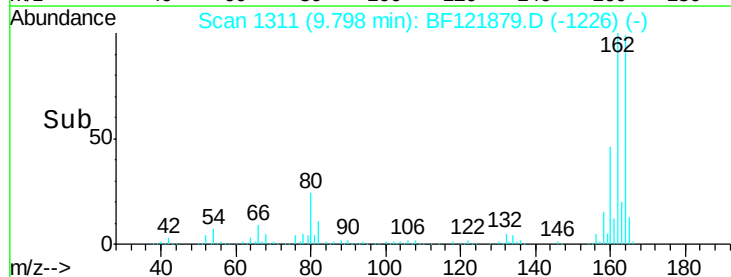
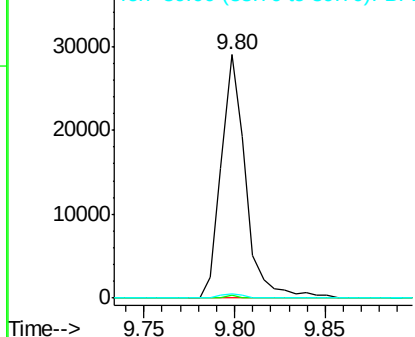


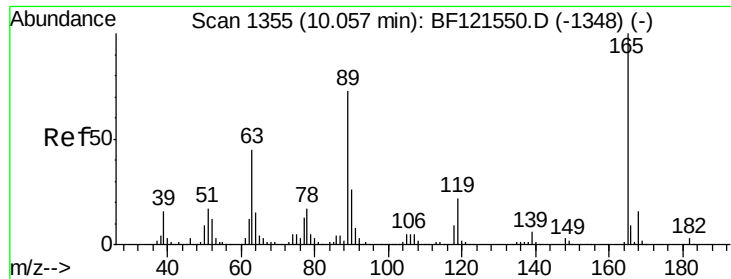
#51
 2,6-Dinitrotoluene
 Concen: 8.269 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.20 min
 Lab File: BF121879.D
 Acq: 7 Oct 2020 18:00

Tgt Ion:165 Resp: 27344
 Ion Ratio Lower Upper
 165 100
 63 1.5 51.8 77.6#
 89 1.9 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





#57

2,4-Dinitrotoluene

Concen: 6.573 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.21 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

Instrument :

BNA_F

ClientSampleId :

OK-01-100620

Tot Ion:165 Resp: 27344

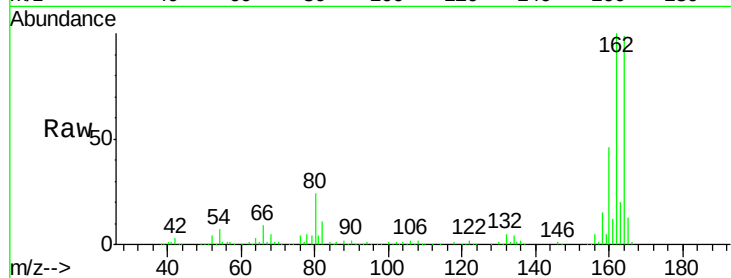
Ion Ratio Lower Upper

165 100

63 1.5 41.3 61.9#

89 1.9 61.8 92.8#

182 0.0 2.1 3.1#

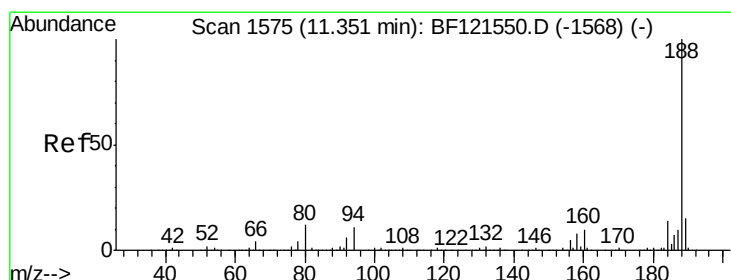
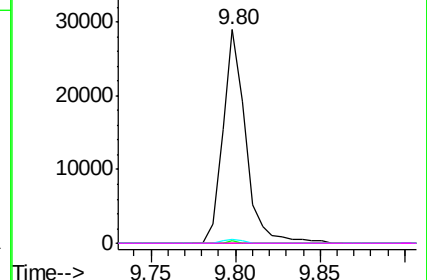
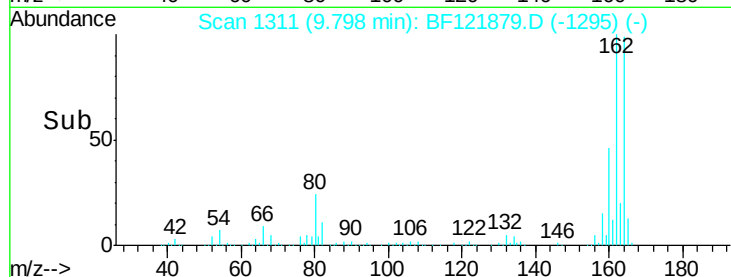


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

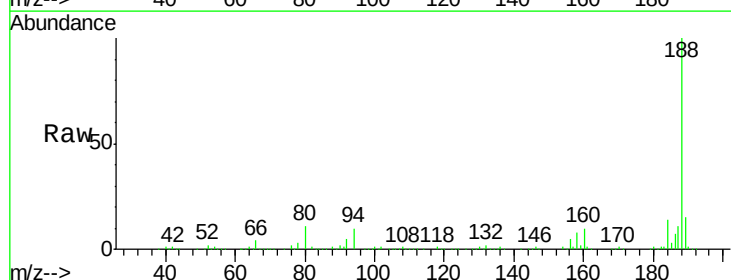
Tgt Ion:188 Resp: 339656

Ion Ratio Lower Upper

188 100

94 10.0 8.3 12.5

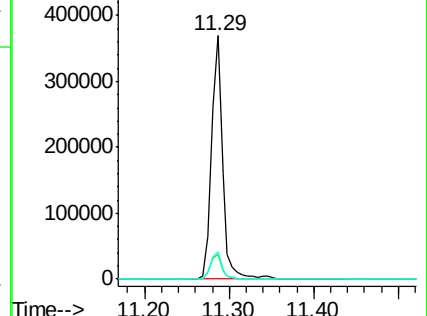
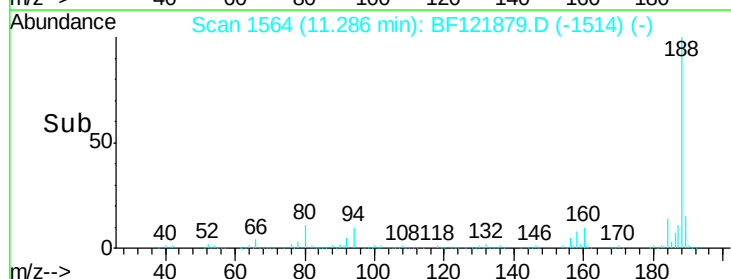
80 11.0 9.1 13.7

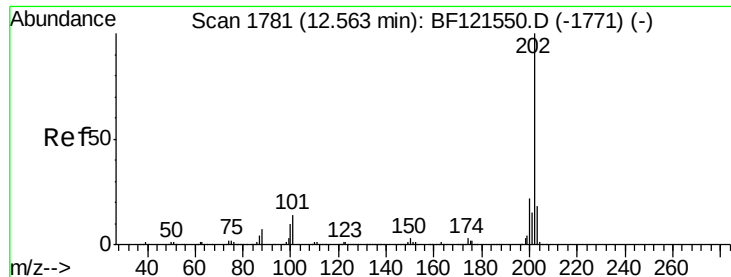


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.010 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

Instrument :

BNA_F

ClientSampleId :

OK-01-100620

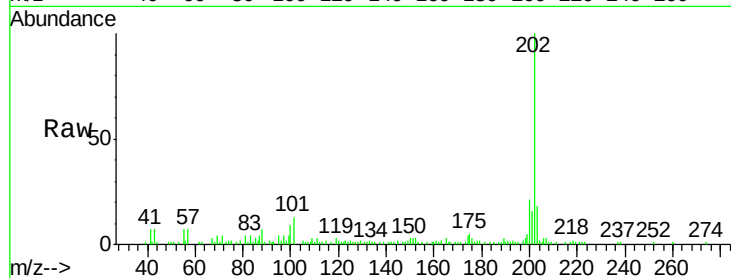
Tot Ion:202 Resp: 39707

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.4

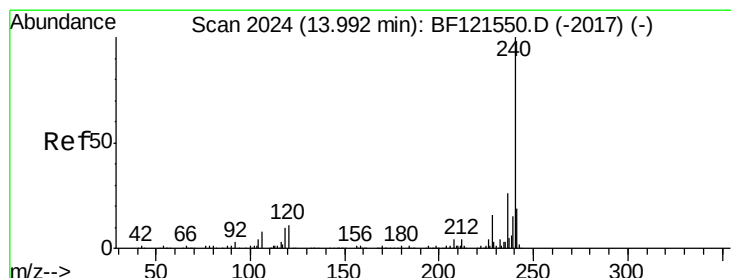
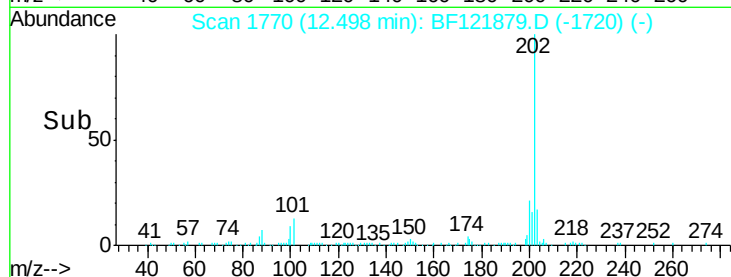
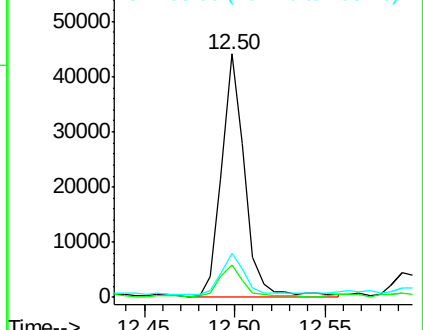
203 18.2 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121879.D

Acq: 7 Oct 2020 18:00

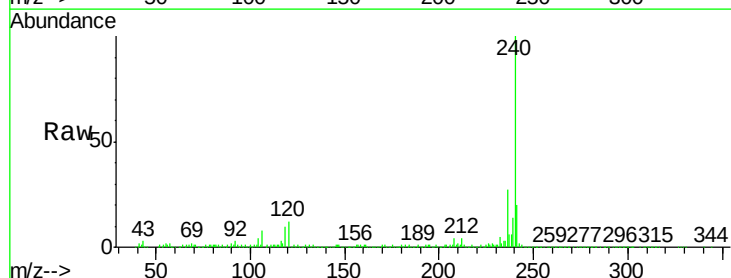
Tgt Ion:240 Resp: 282614

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

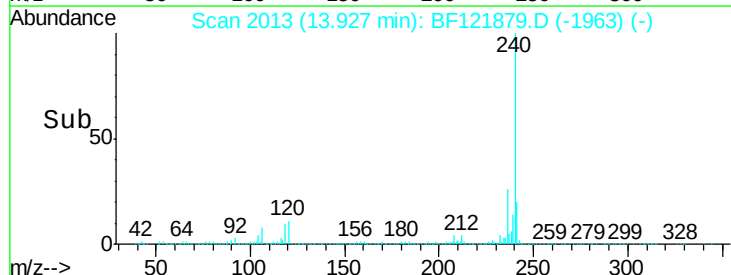
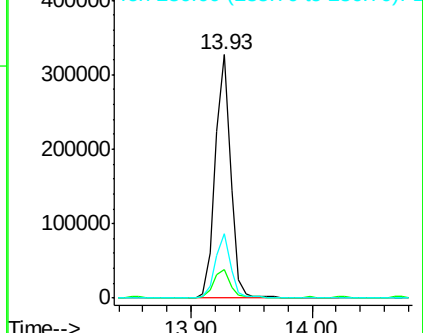
236 26.5 20.9 31.3

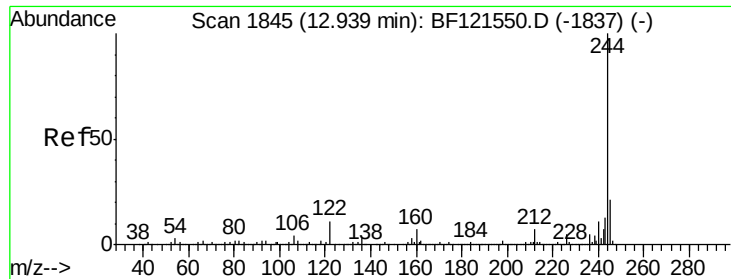


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

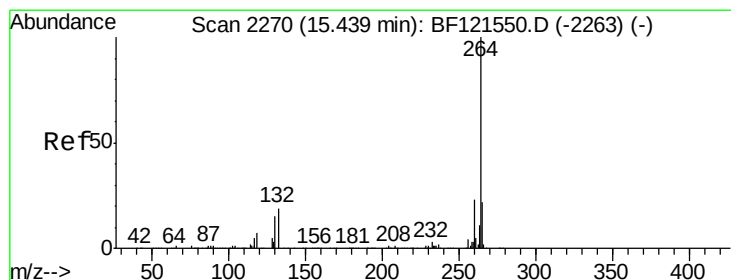
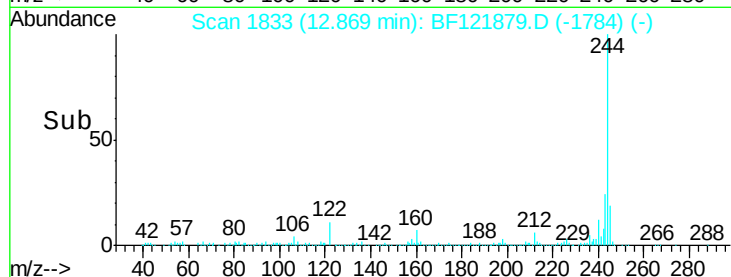
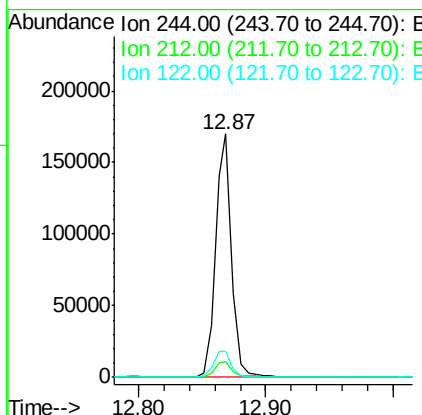
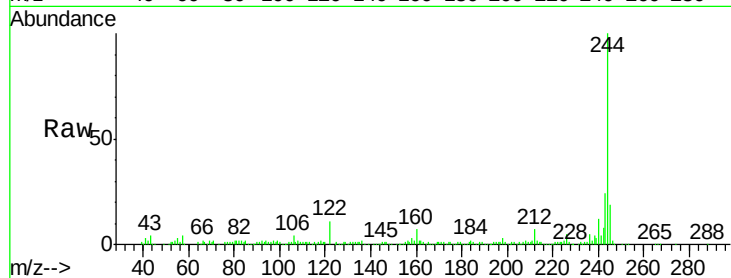




#79
 Terphenyl-d14
 Concen: 10.818 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121879.D
 Acq: 7 Oct 2020 18:00

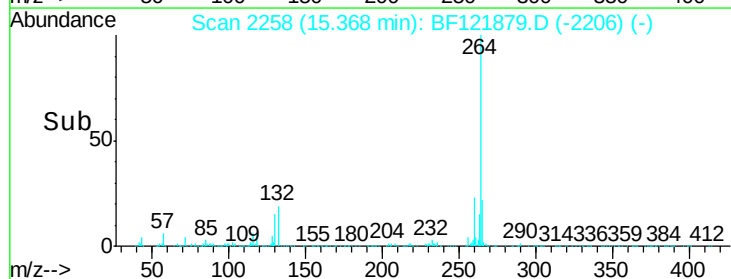
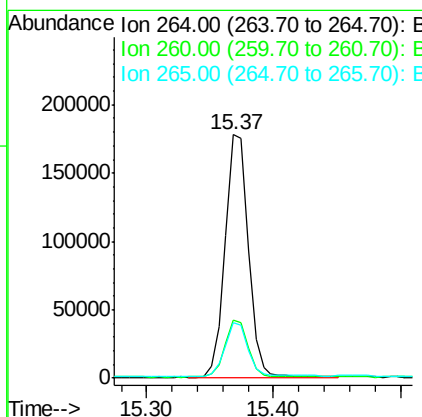
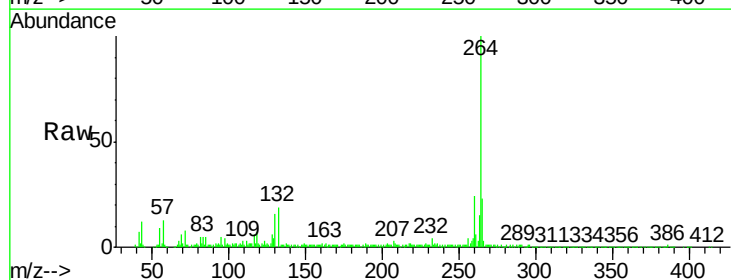
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-100620

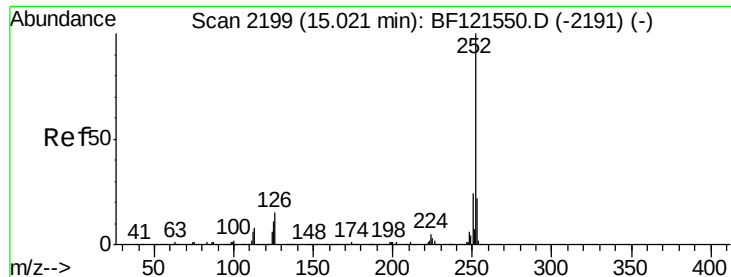
Tot Ion:244 Resp: 150909
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.8 8.1 12.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: BF121879.D
 Acq: 7 Oct 2020 18:00

Tgt Ion:264 Resp: 225636
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 22.7 17.3 25.9

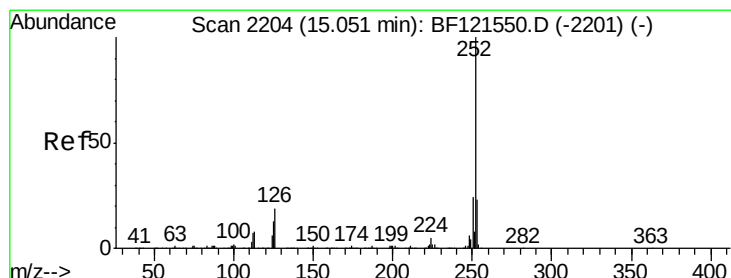
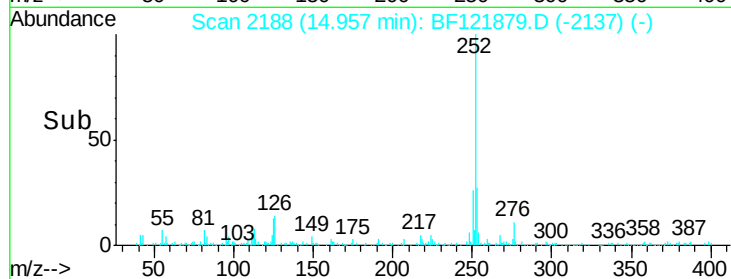
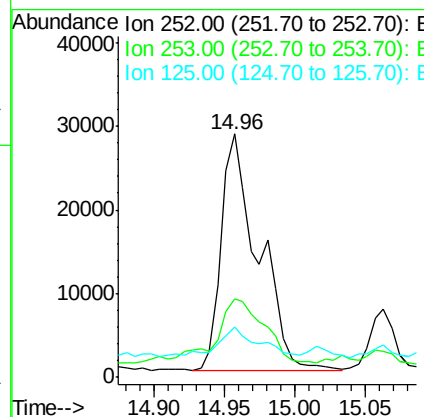
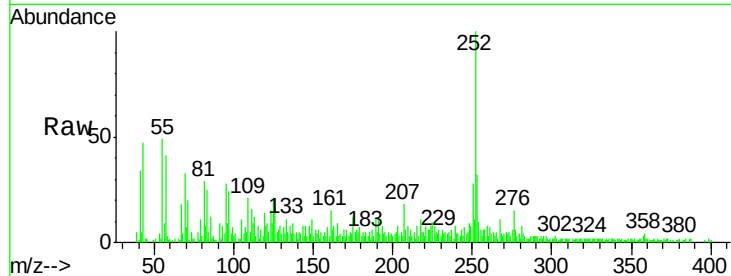




#88
Benzo(b)fluoranthene
Concen: 3.417 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121879.D
Acq: 7 Oct 2020 18:00

Instrument :
BNA_F
ClientSampleId :
OK-01-100620

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.0	18.2	27.2#
125	20.6	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 3.731 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BF121879.D
Acq: 7 Oct 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.0	17.8	26.6#
125	20.6	7.7	11.5#

