

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121082.D
 Acq On : 28 Jul 2020 21:54
 Operator : JU/CG
 Sample : L3439-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20200443-3002C

Quant Time: Jul 29 00:47:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	156163	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	596936	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	319131	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	635977	20.00	ng	0.00
76) Chrysene-d12	13.97	240	630796	20.00	ng	0.00
86) Perylene-d12	15.42	264	648632	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1212204	127.25	ng	0.02
7) Phenol-d6	6.45	99	1370267	111.36	ng	0.00
23) Nitrobenzene-d5	7.38	82	1008138	97.72	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	532225	152.36	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1807805	84.58	ng	0.00
79) Terphenyl-d14	12.92	244	2031324	70.00	ng	0.00

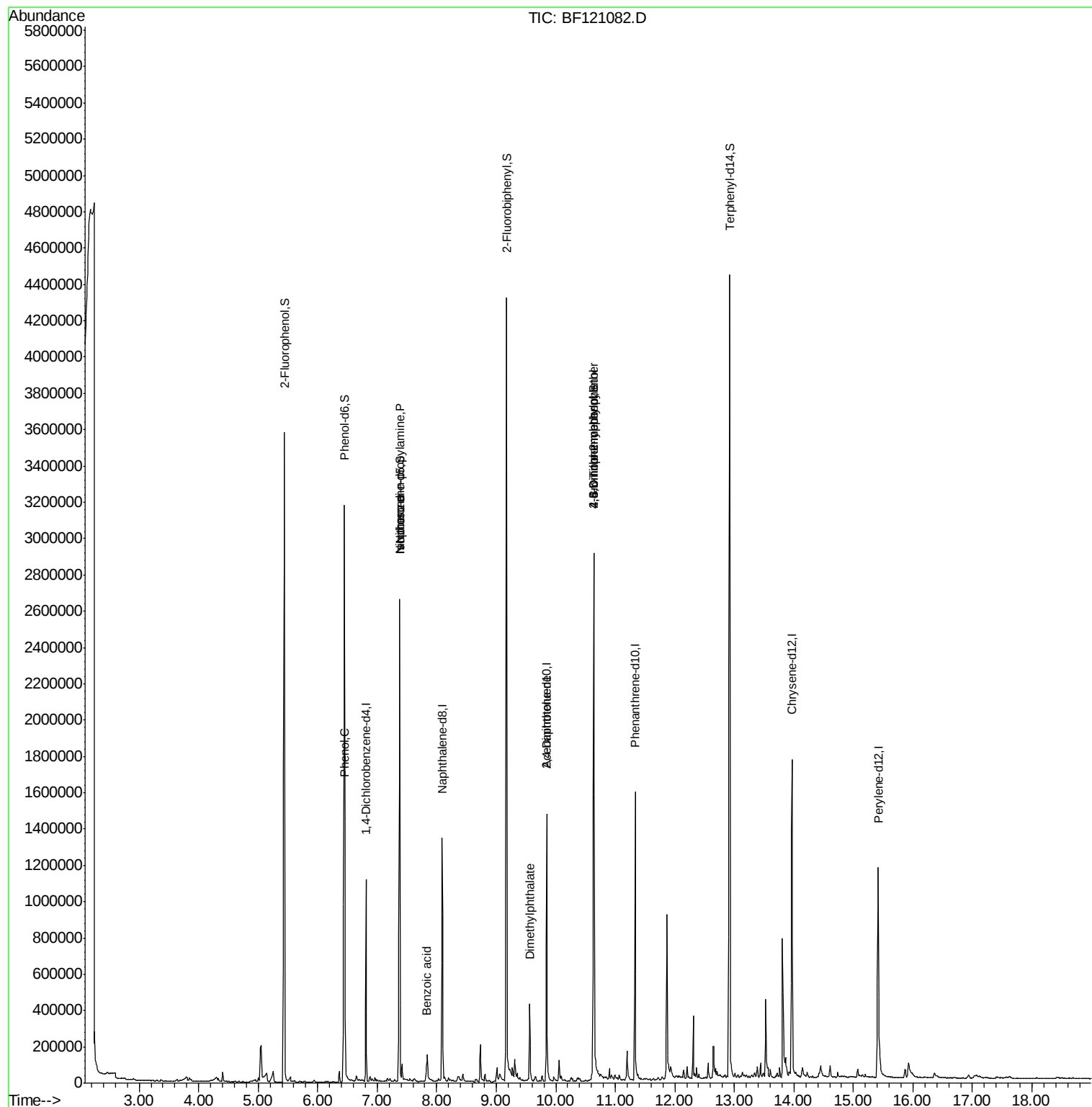
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	11056	Below Cal		97
10) Phenol	6.46	94	75603	5.585	ng	96
19) n-Nitroso-di-n-propylamine	7.38	70	134423	19.211	ng	# 76
25) Isophorone	7.38	82	1006026	48.862	ng	# 63
32) Benzoic acid	7.83	122	15078	2.343	ng	93
50) Dimethylphthalate	9.56	163	168452	7.317	ng	99
57) 2,4-Dinitrotoluene	9.85	165	41288	6.356	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.64	198	1075	4.111	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	30649	4.322	ng	# 1

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

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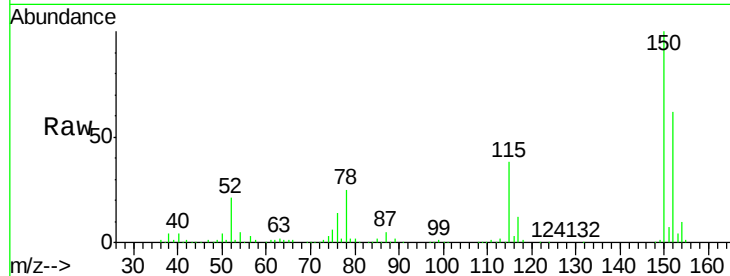


#1

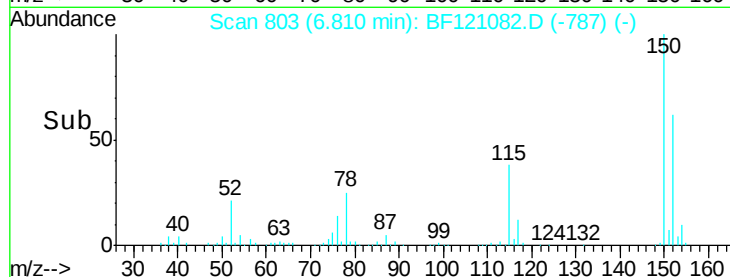
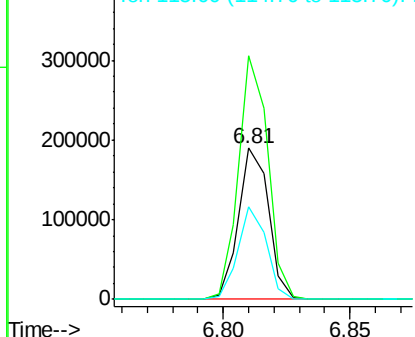
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

Instrument :
BNA_F
ClientSampleId :
20200443-3002C

Tot Ion:152 Resp: 156163
Ion Ratio Lower Upper
152 100
150 161.0 125.0 187.6
115 61.3 47.0 70.4



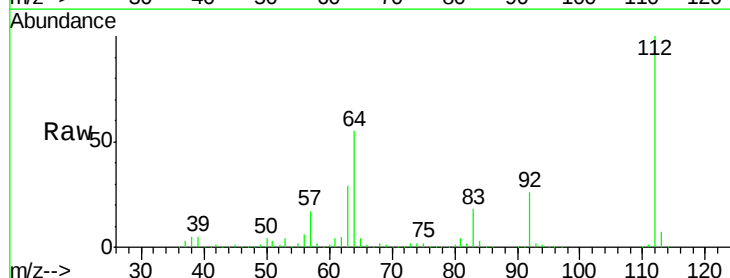
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



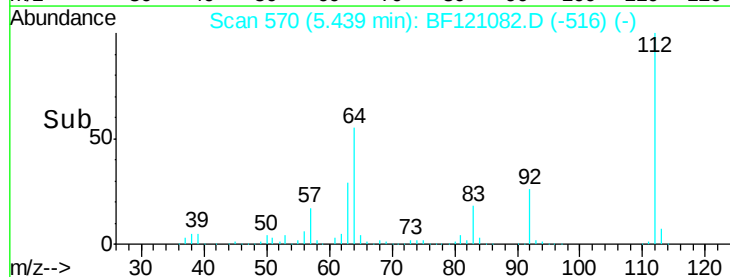
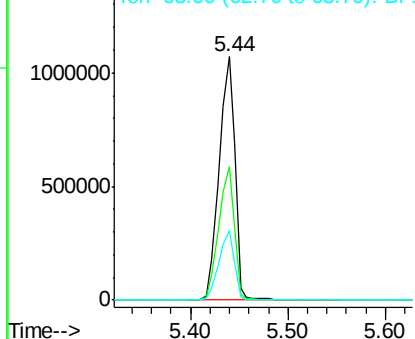
#5

2-Fluorophenol
Concen: 127.254 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

Tgt Ion:112 Resp: 1212204
Ion Ratio Lower Upper
112 100
64 54.9 41.3 61.9
63 28.6 21.1 31.7



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: 111.359 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

Instrument :

BNA_F

ClientSampleId :

20200443-3002C

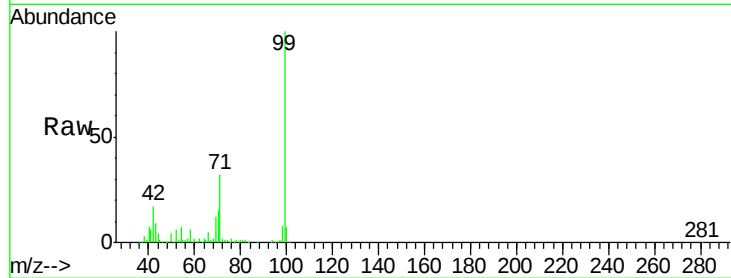
Tot Ion: 99 Resp: 1370267

Ion Ratio Lower Upper

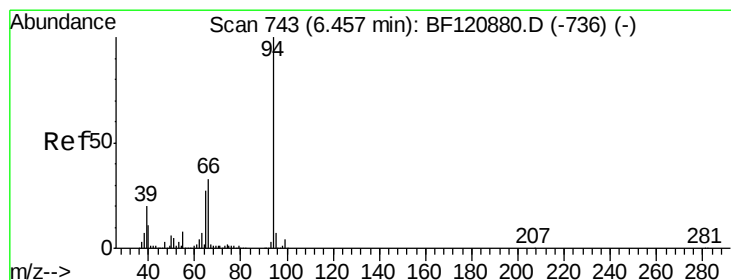
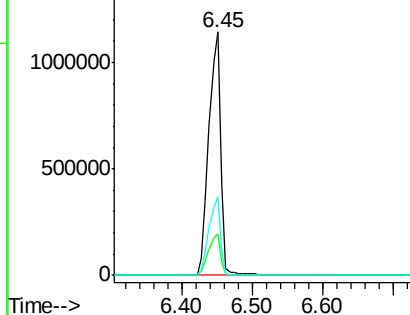
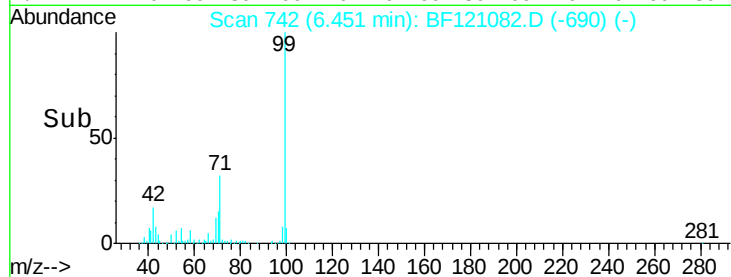
99 100

42 17.1 13.1 19.7

71 32.3 24.2 36.4



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



#10

Phenol

Concen: 5.585 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

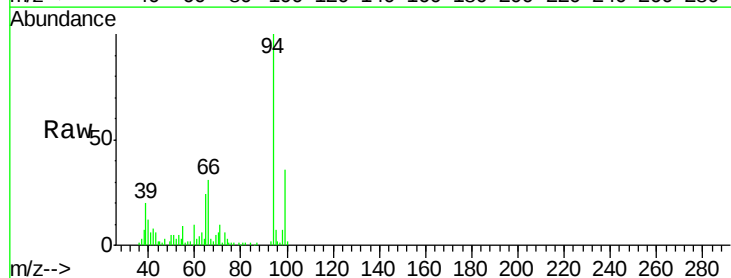
Tgt Ion: 94 Resp: 75603

Ion Ratio Lower Upper

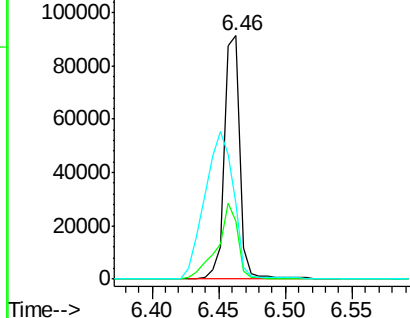
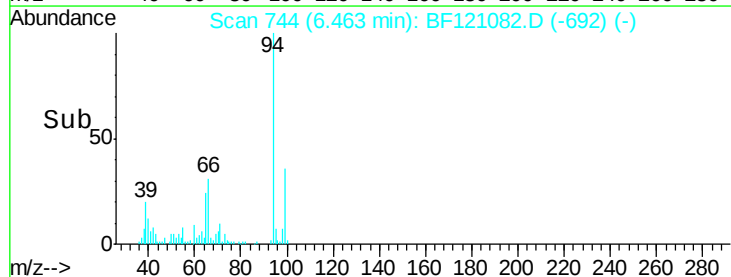
94 100

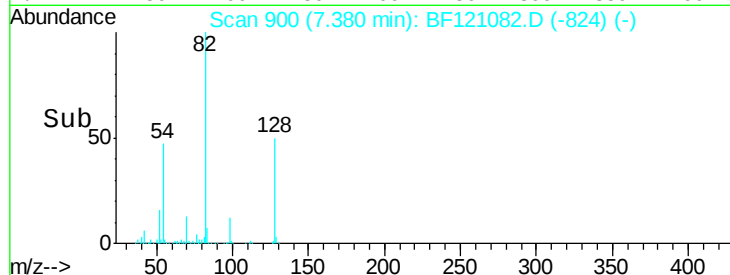
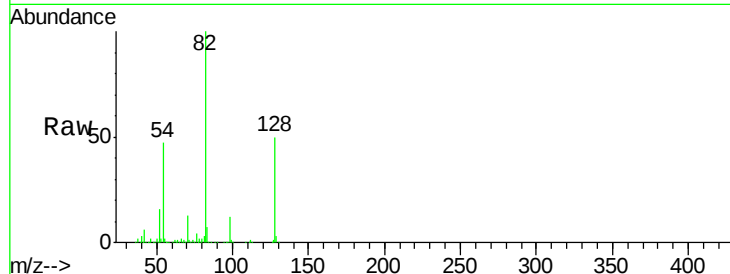
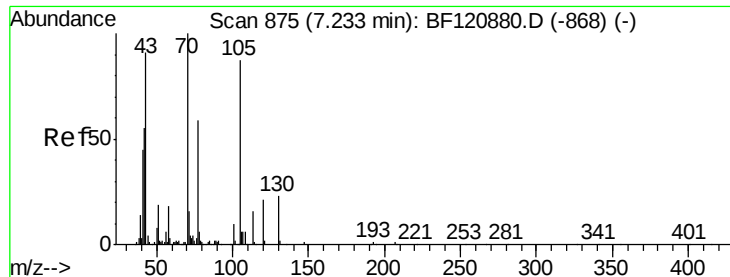
65 23.9 6.6 46.6

66 31.4 13.2 53.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

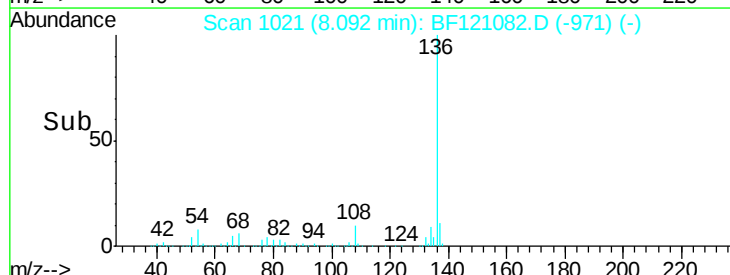
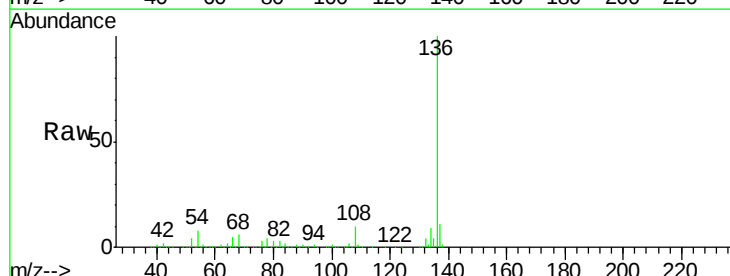
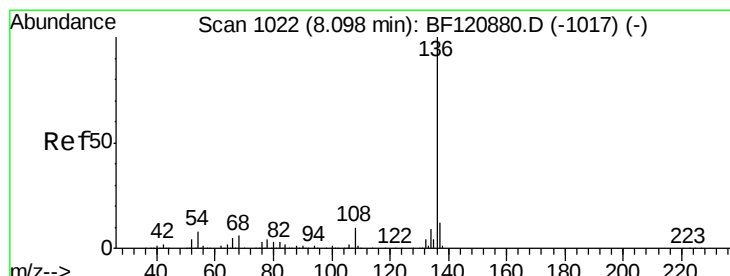
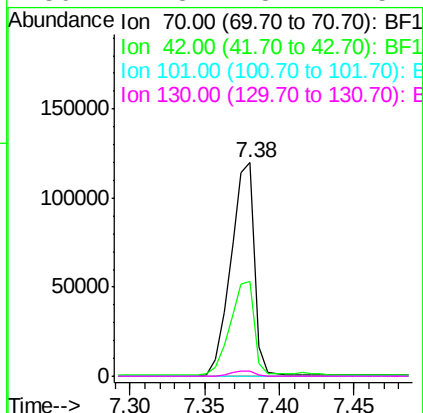




#19
n-Nitroso-di-n-propylamine
Concen: 19.211 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

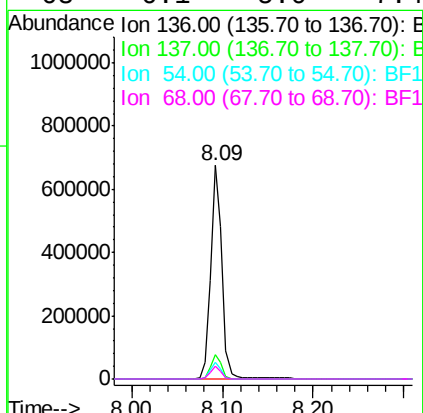
Instrument :
BNA_F
ClientSampleId :
20200443-3002C

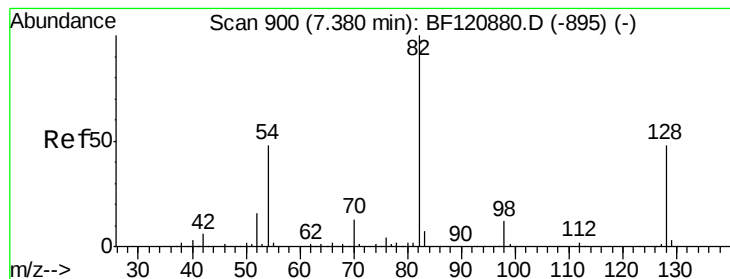
Tot Ion:	70	Resp:	134423
Ion	Ratio	Lower	Upper
70	100		
42	44.4	44.0	66.0
101	0.0	7.8	11.6#
130	2.3	18.7	28.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

Tgt Ion:	136	Resp:	596936
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	7.6	6.3	9.5
68	6.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 97.722 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

Instrument :

BNA_F

ClientSampleId :

20200443-3002C

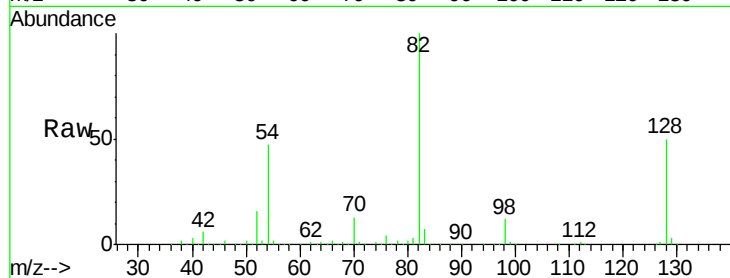
Tot Ion: 82 Resp: 1008138

Ion Ratio Lower Upper

82 100

128 49.6 38.2 57.4

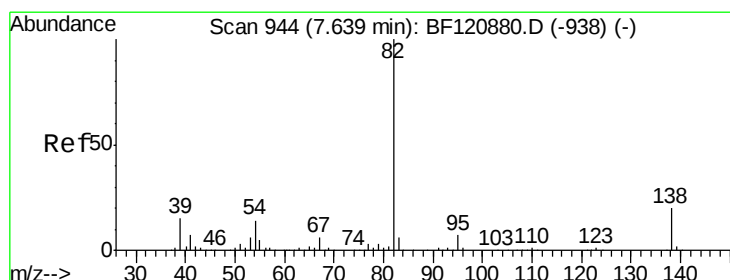
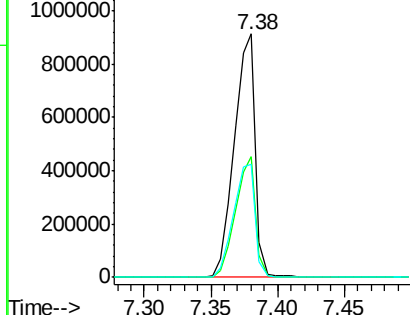
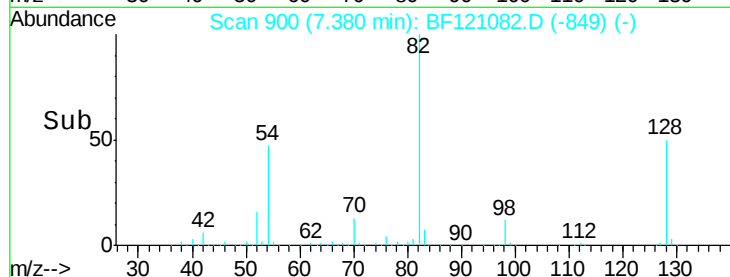
54 46.6 38.7 58.1



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: 48.862 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

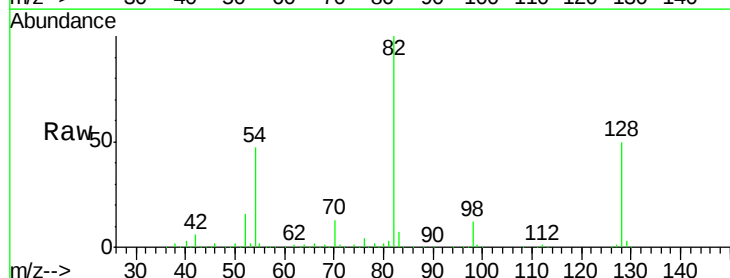
Tgt Ion: 82 Resp: 1006026

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

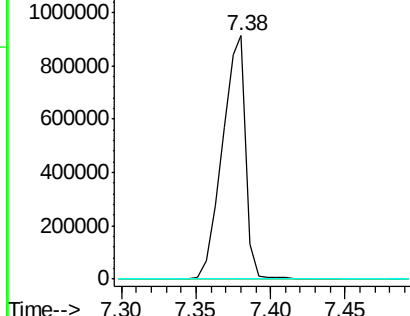
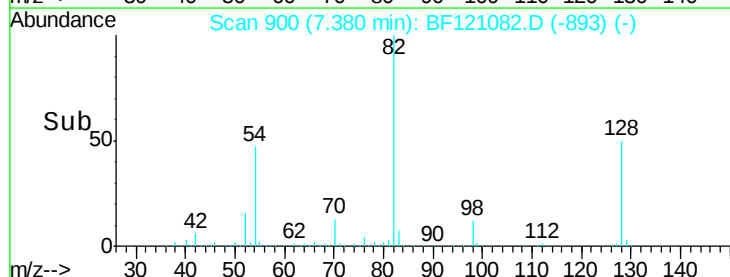
138 0.0 15.6 23.4#

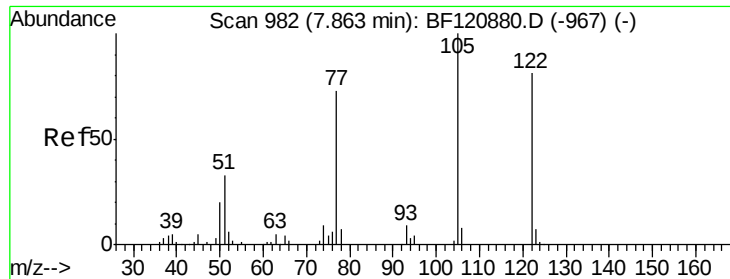


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

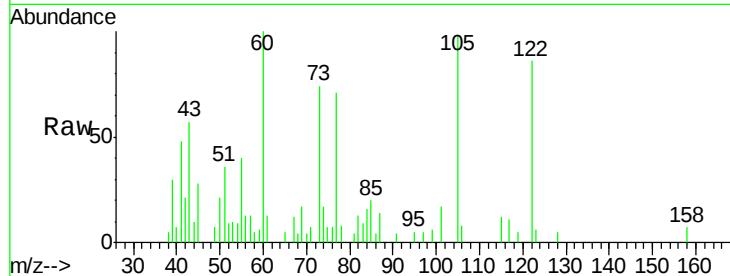




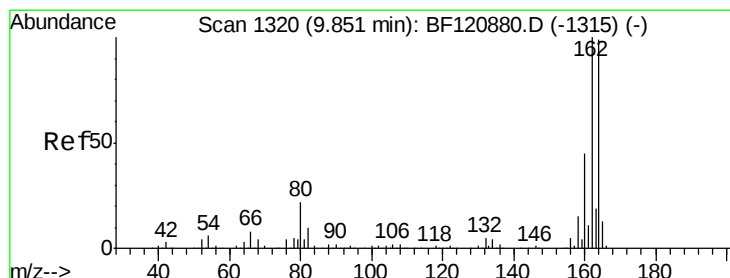
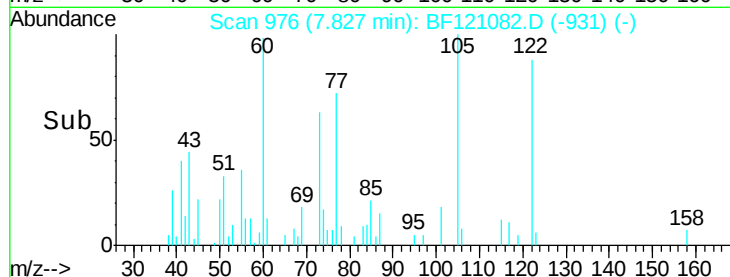
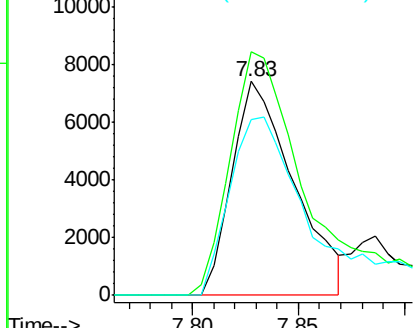
#32
Benzoic acid
Concen: 2.343 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.04 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

Instrument :
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20200443-3002C

Tot Ion:122 Resp: 15078
Ion Ratio Lower Upper
122 100
105 114.0 101.3 141.3
77 82.2 69.1 109.1

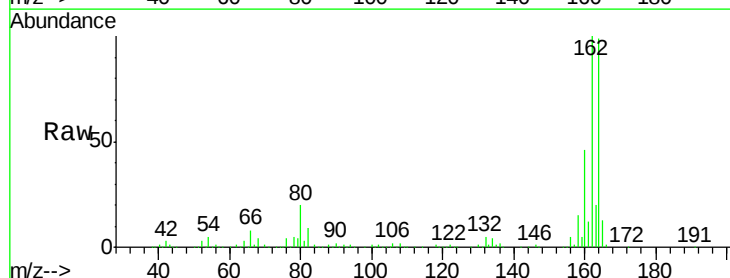


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

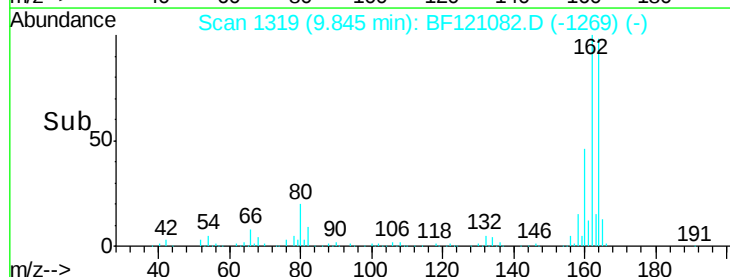
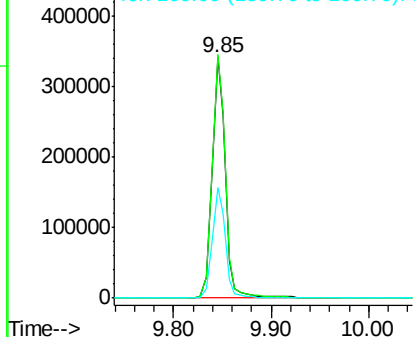


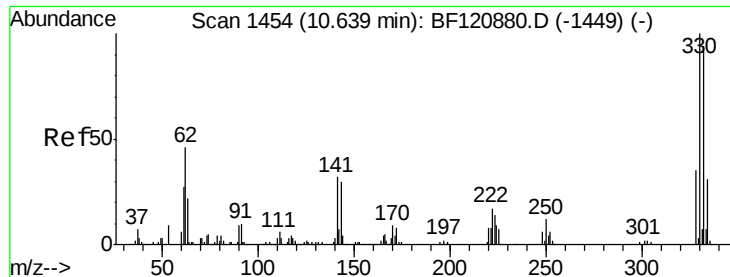
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

Tgt Ion:164 Resp: 319131
Ion Ratio Lower Upper
164 100
162 101.2 81.2 121.8
160 46.2 36.9 55.3



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: 152.360 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

Instrument :

BNA_F

ClientSampleId :

20200443-3002C

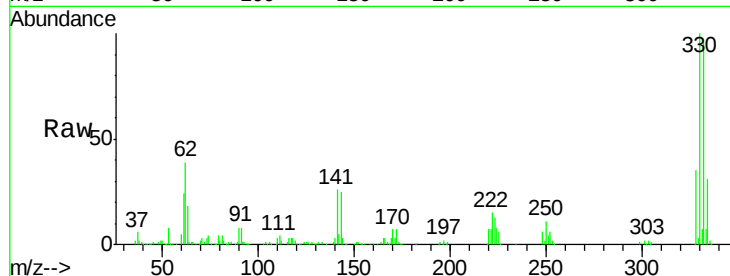
Tot Ion:330 Resp: 532225

Ion Ratio Lower Upper

330 100

332 98.0 75.5 113.3

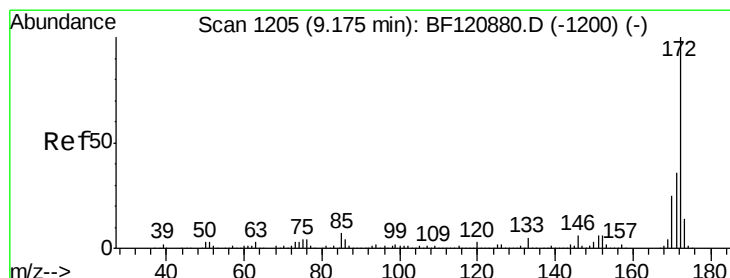
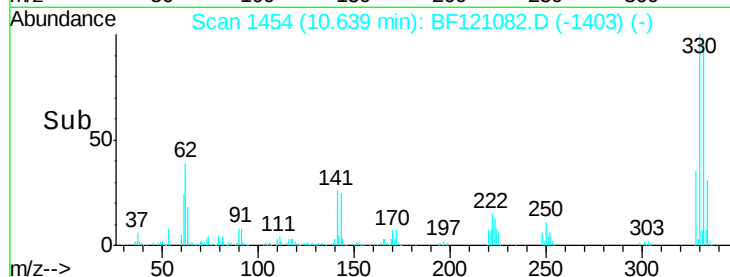
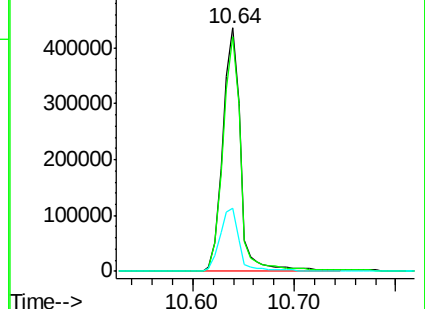
141 29.1 25.7 38.5



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: 84.578 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

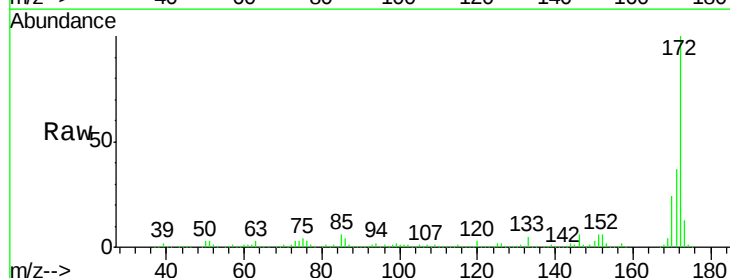
Tgt Ion:172 Resp: 1807805

Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.4

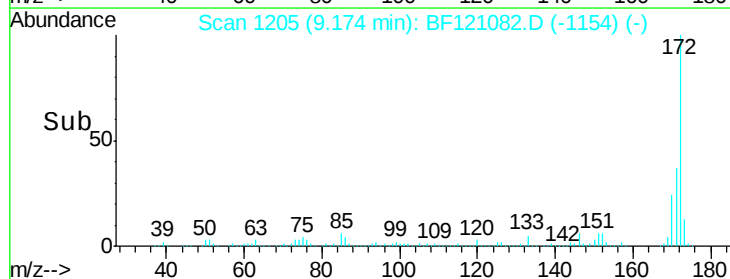
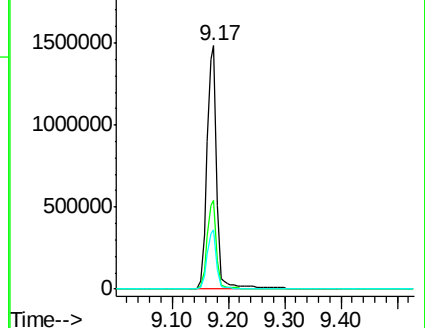
170 24.4 19.6 29.4

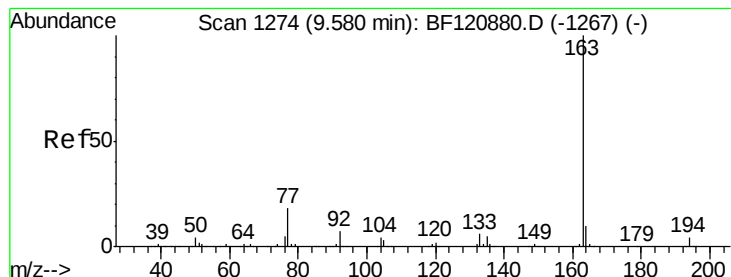


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.317 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121082.D

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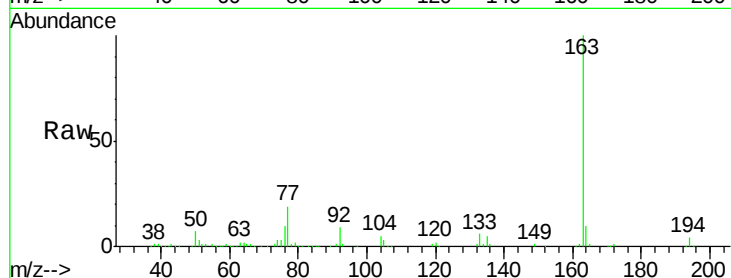
Tot Ion:163 Resp: 168452

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

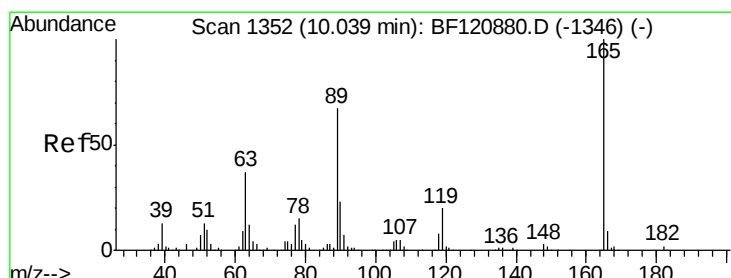
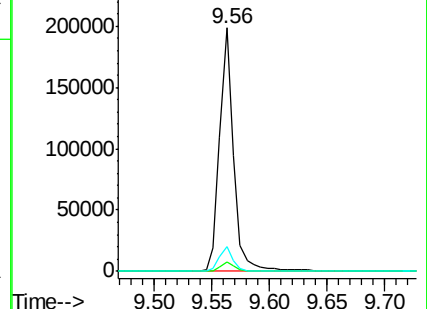
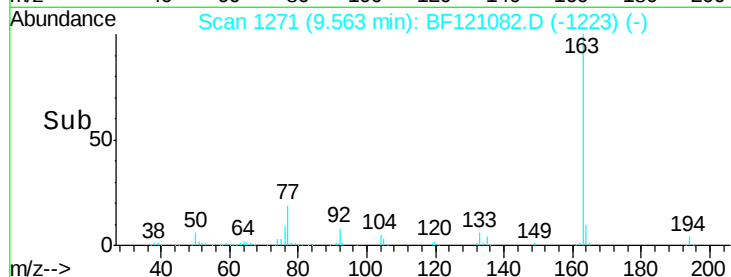
164 10.2 7.9 11.9



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: 6.356 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

Tgt Ion:165 Resp: 41288

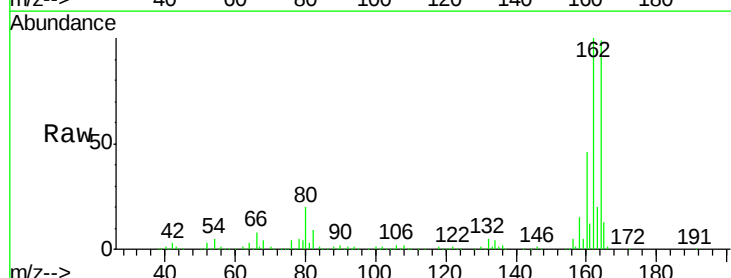
Ion Ratio Lower Upper

165 100

63 1.4 29.4 44.2#

89 1.1 53.4 80.0#

182 0.0 1.8 2.6#

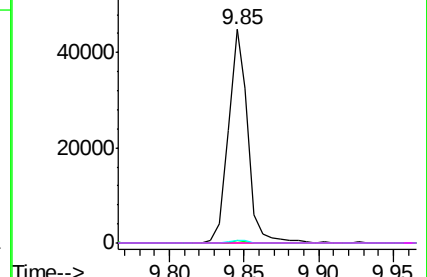
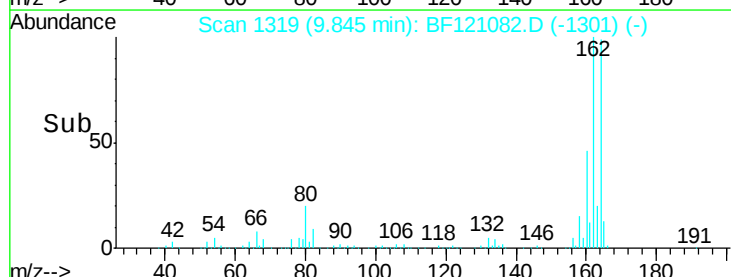


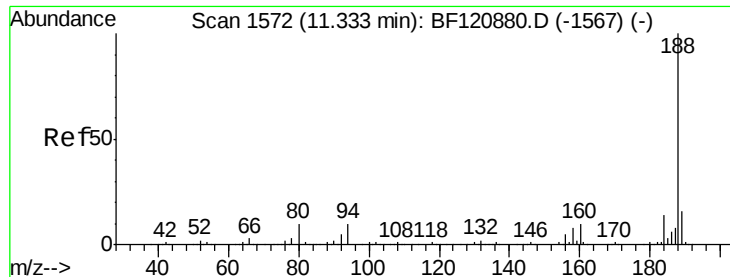
Abundance Ion 165.00 (164.70 to 165.70): E

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

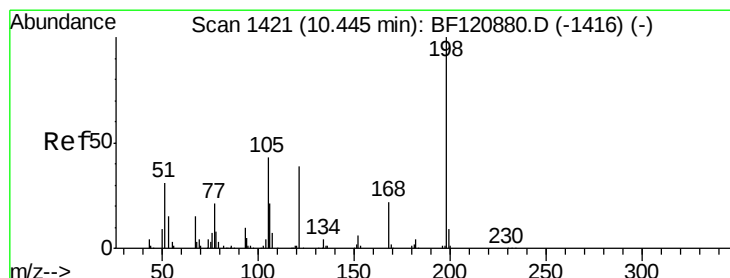
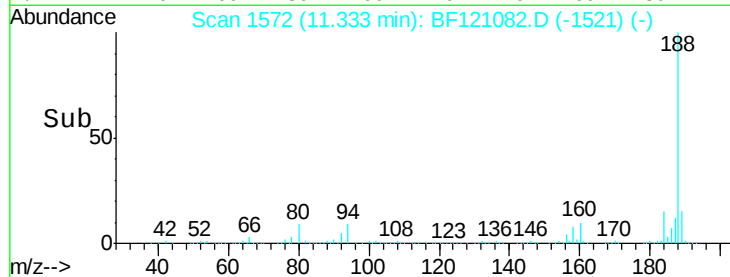
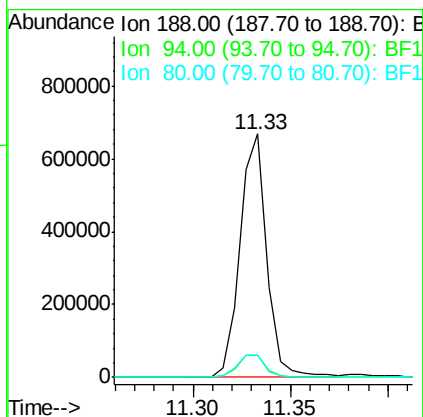
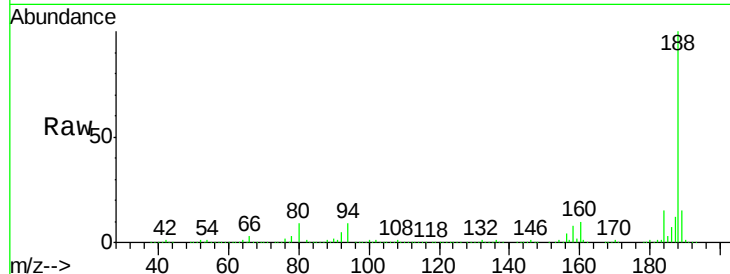




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

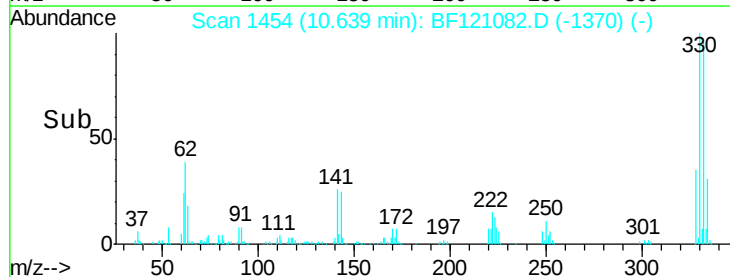
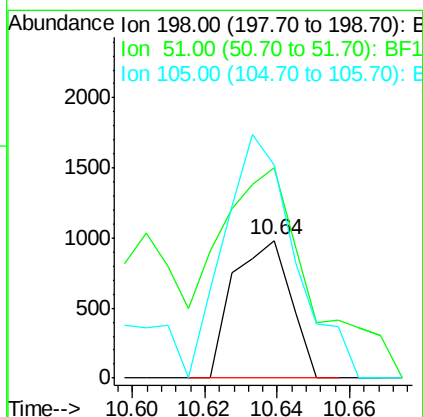
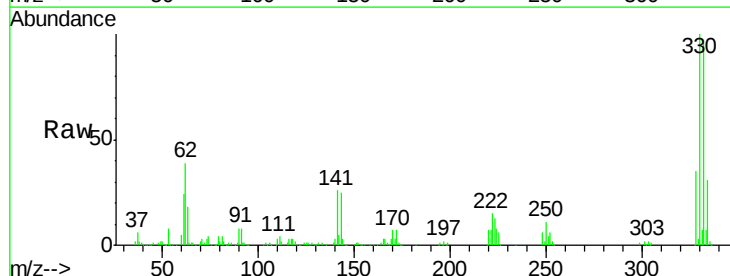
Instrument :
BNA_F
ClientSampleId :
20200443-3002C

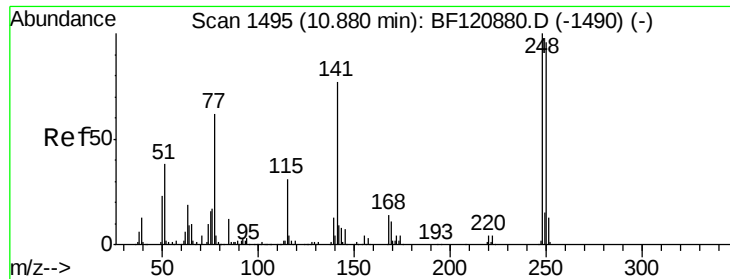
Tot Ion:188 Resp: 635977
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.1 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 4.111 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF121082.D
Acq: 28 Jul 2020 21:54

Tgt Ion:198 Resp: 1075
Ion Ratio Lower Upper
198 100
51 153.0 19.5 59.5#
105 154.6 24.4 64.4#

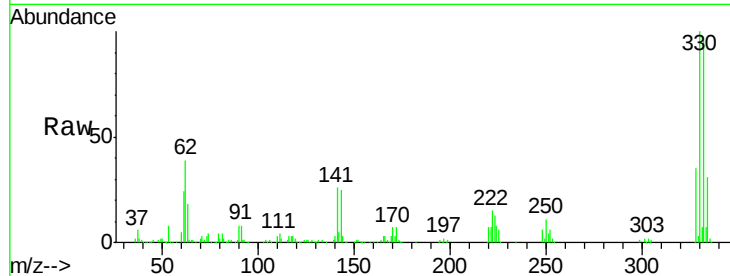




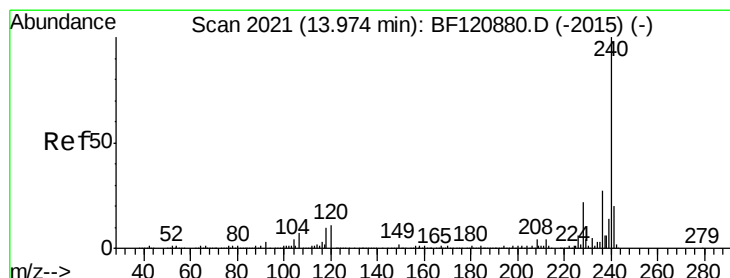
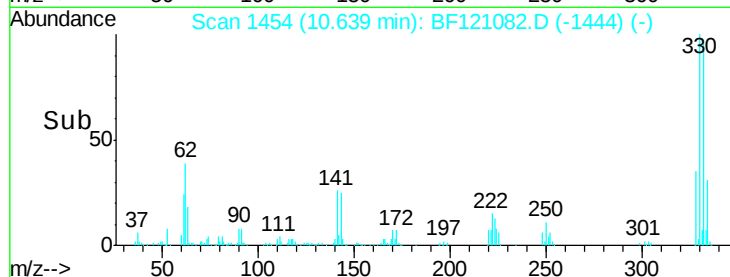
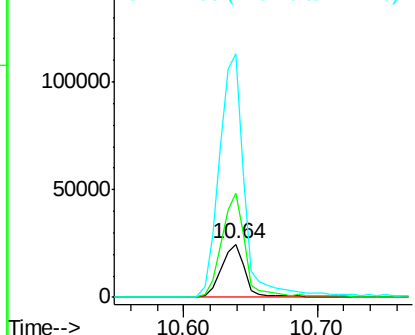
#67
 4-Bromophenyl-phenylether
 Concen: 4.322 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF121082.D
 Acq: 28 Jul 2020 21:54

Instrument :
 BNA_F
 ClientSampleId :
 20200443-3002C

Tot Ion:248 Resp: 30649
 Ion Ratio Lower Upper
 248 100
 250 194.8 77.1 115.7#
 141 457.6 61.2 91.8#

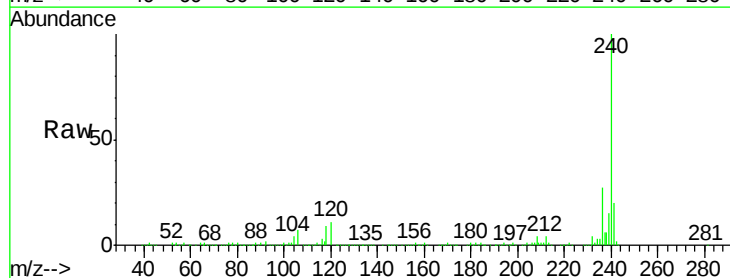


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

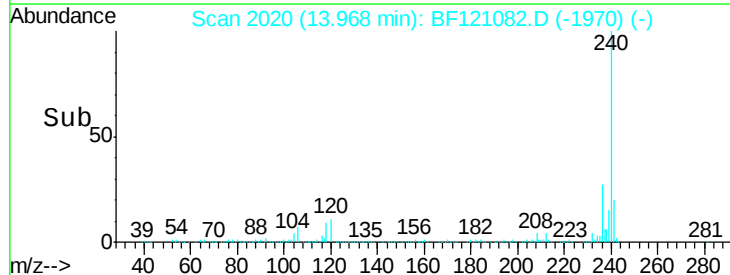
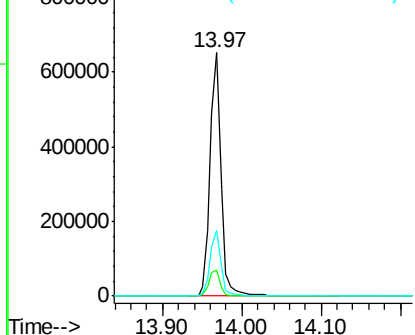


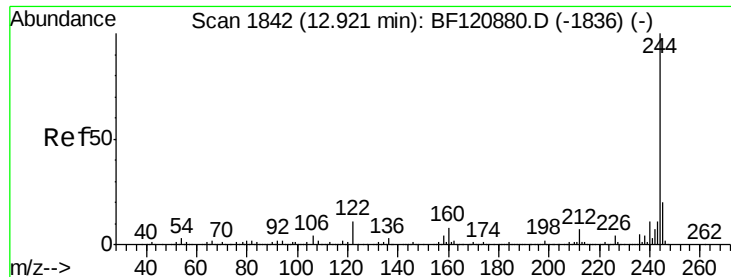
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF121082.D
 Acq: 28 Jul 2020 21:54

Tgt Ion:240 Resp: 630796
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.0 13.4
 236 27.0 21.7 32.5



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: 70.001 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

Instrument :

BNA_F

ClientSampleId :

20200443-3002C

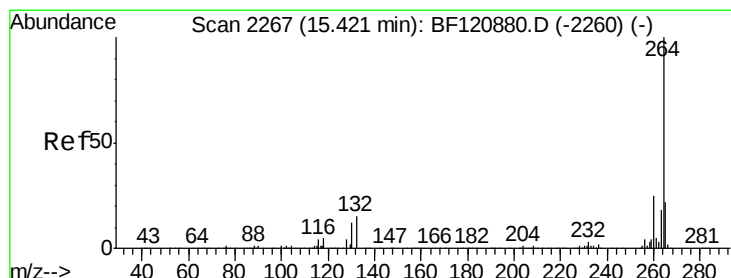
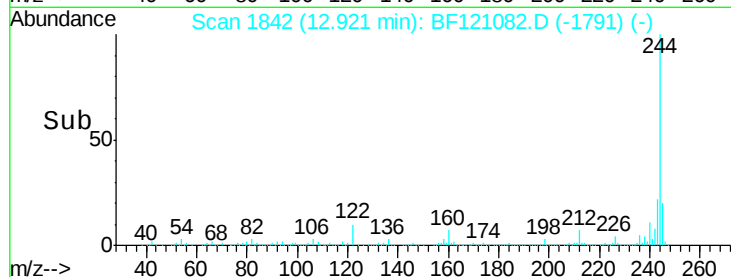
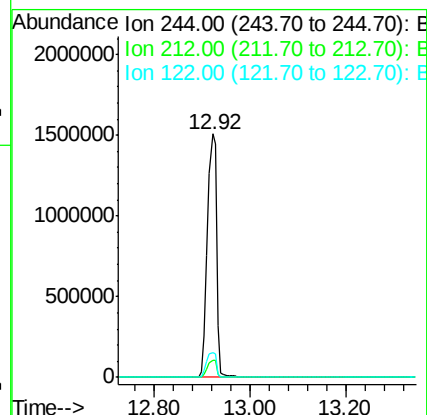
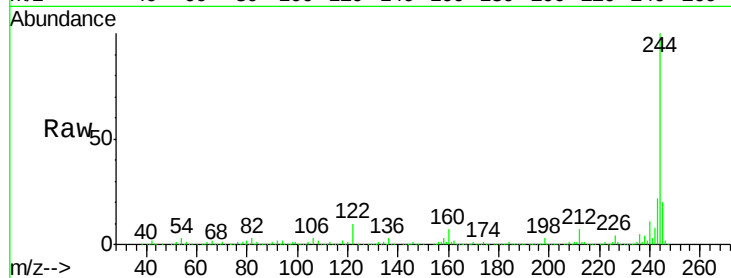
Tot Ion:244 Resp: 2031324

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.2 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF121082.D

Acq: 28 Jul 2020 21:54

Tgt Ion:264 Resp: 648632

Ion Ratio Lower Upper

264 100

260 24.7 20.0 30.0

265 21.9 17.4 26.2

