

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071620\
 Data File : BF120889.D
 Acq On : 16 Jul 2020 16:57
 Operator : JU/CG
 Sample : L3183-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Quant Time: Jul 16 18:54:55 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

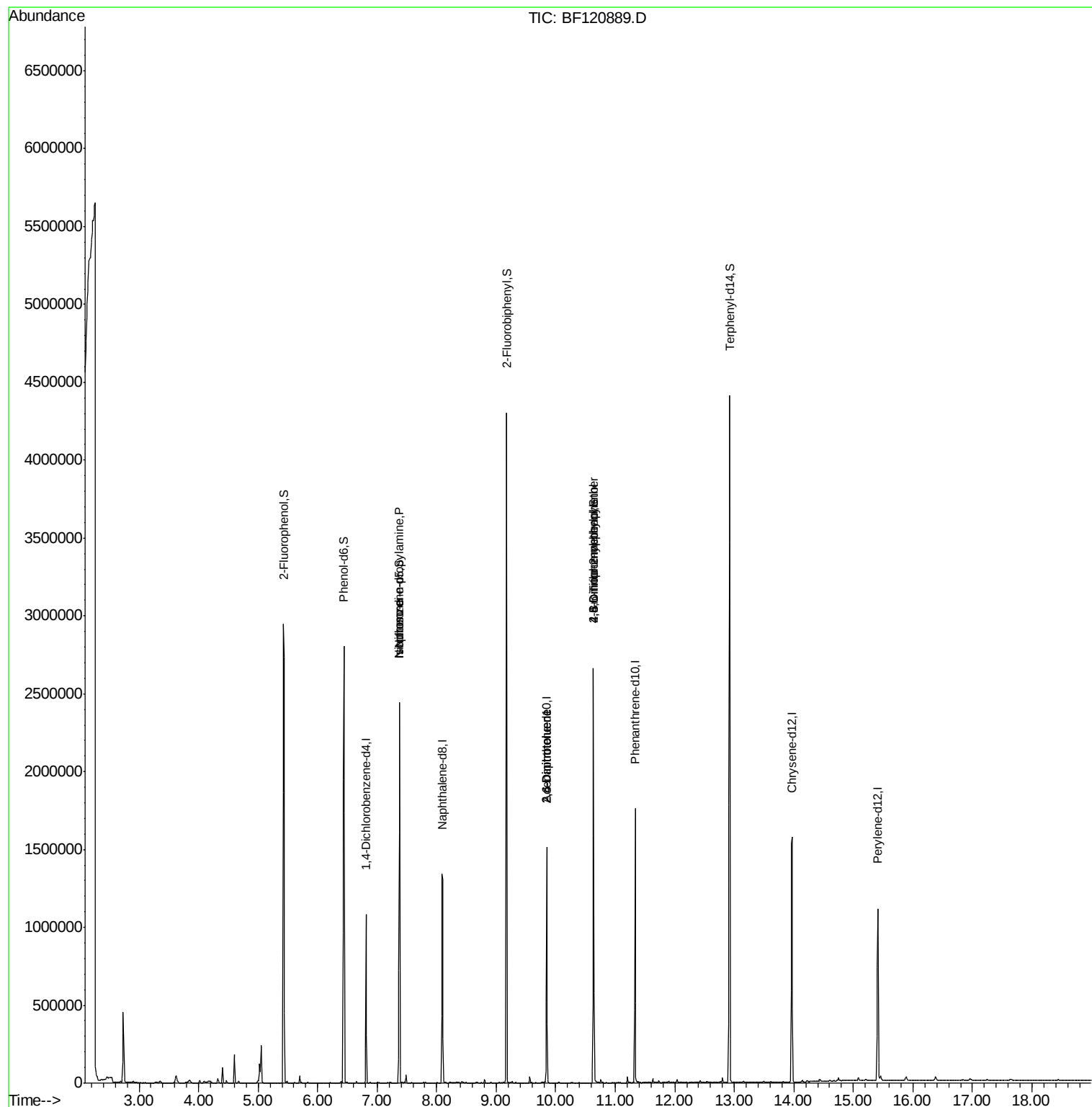
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	160413	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	610908	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	320241	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	650318	20.00	ng	0.00
76) Chrysene-d12	13.97	240	564772	20.00	ng	0.00
86) Perylene-d12	15.41	264	506560	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	951465	97.24	ng	0.00
7) Phenol-d6	6.44	99	1028413	81.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	816523	77.34	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	402166	114.73	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1392107	64.90	ng	0.00
79) Terphenyl-d14	12.92	244	1657139	63.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	1395	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	107042	14.893 ng	#	78
25) Isophorone	7.37	82	815796	38.716 ng	#	63
51) 2,6-Dinitrotoluene	9.85	165	40687	8.197 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	40687	6.242 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.63	198	902	4.063 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	22863	3.153 ng	#	1

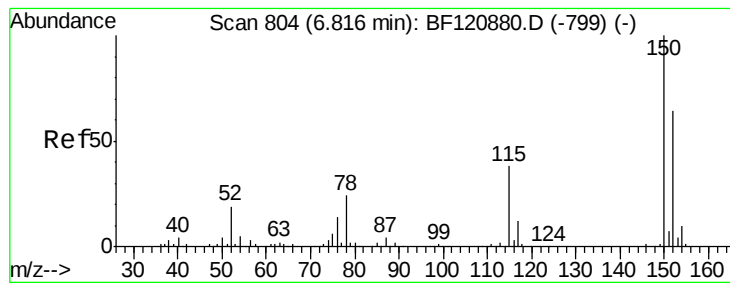
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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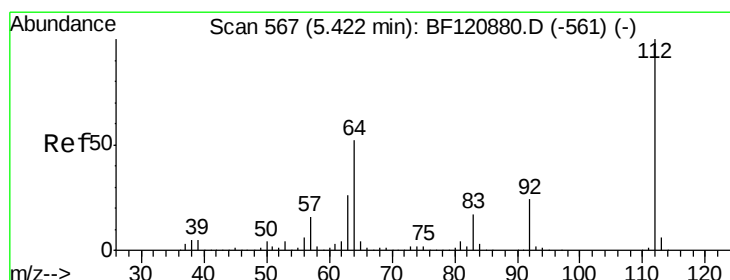
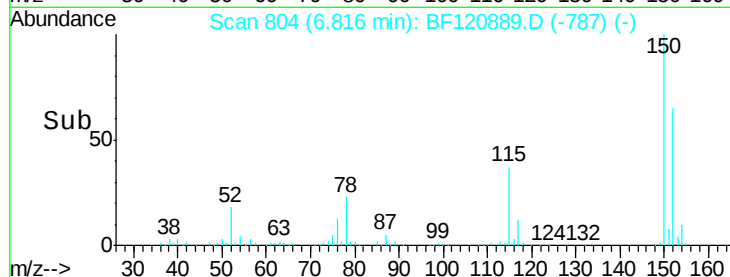
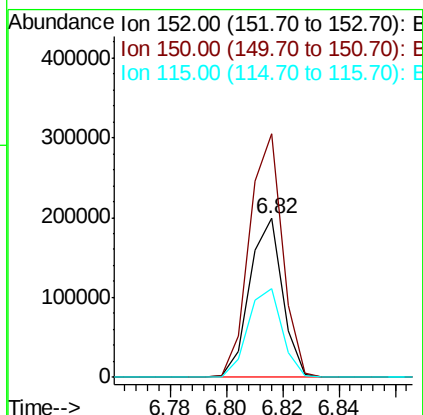
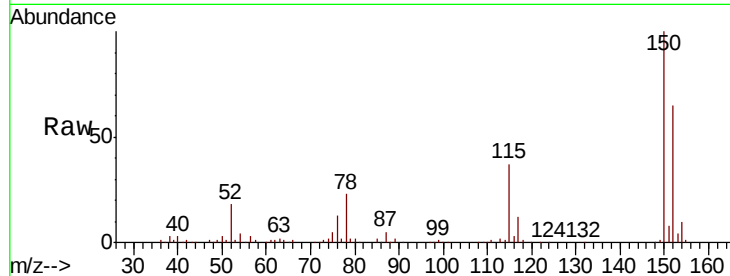


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120889.D
Acq: 16 Jul 2020 16:57

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

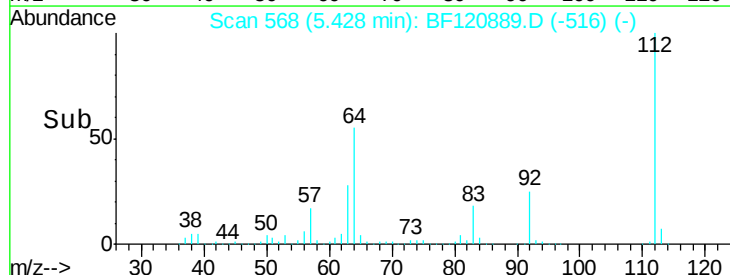
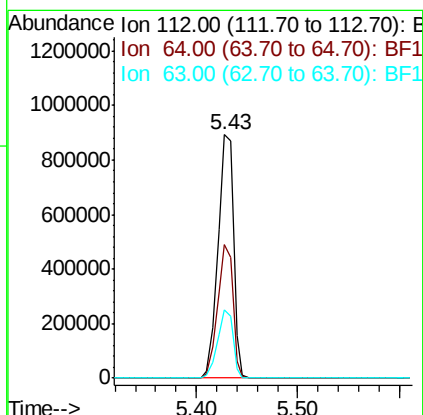
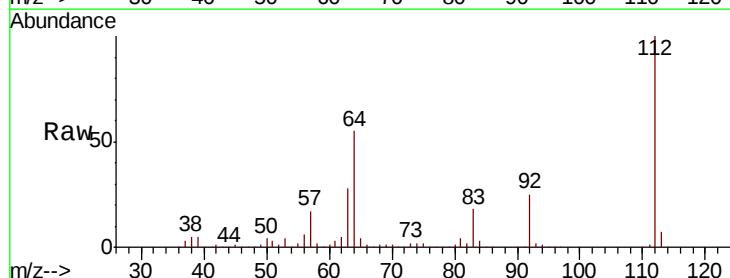
Tot Ion:152 Resp: 160413
Ion Ratio Lower Upper
152 100
150 153.1 125.0 187.6
115 56.0 47.0 70.4

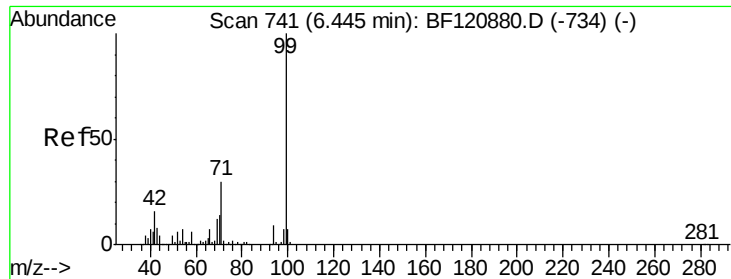


#5

2-Fluorophenol
Concen: 97.236 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF120889.D
Acq: 16 Jul 2020 16:57

Tgt Ion:112 Resp: 951465
Ion Ratio Lower Upper
112 100
64 54.9 41.3 61.9
63 28.0 21.1 31.7





#7

Phenol-d6

Concen: 81.363 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA_F

ClientSampleId :

OK-01-071420

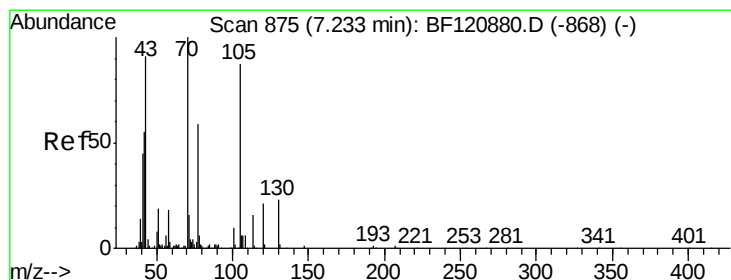
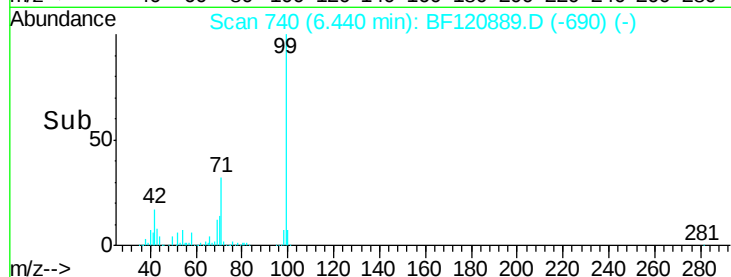
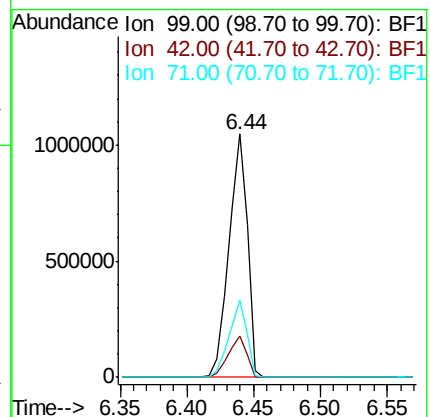
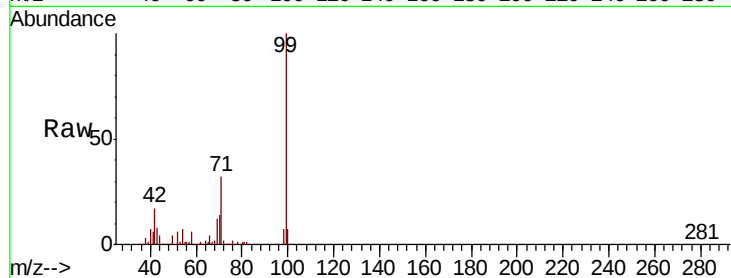
Tot Ion: 99 Resp: 1028413

Ion Ratio Lower Upper

99 100

42 17.0 13.1 19.7

71 31.5 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.893 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Tgt Ion: 70 Resp: 107042

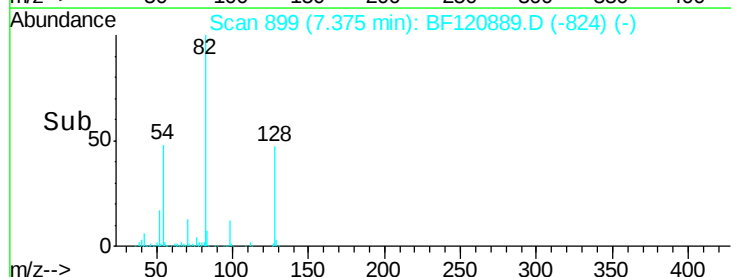
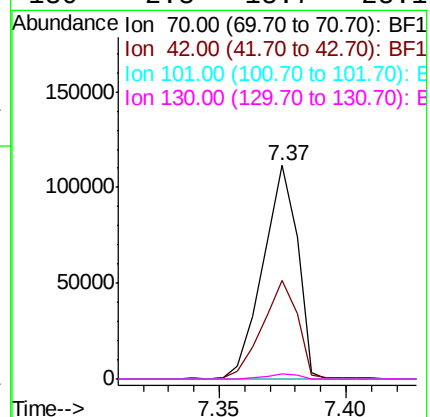
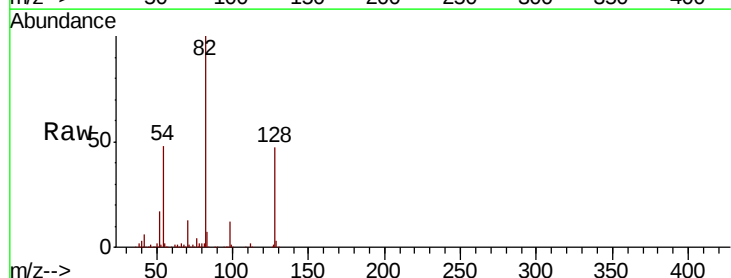
Ion Ratio Lower Upper

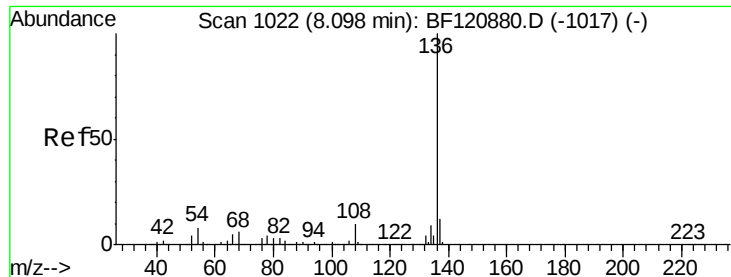
70 100

42 46.4 44.0 66.0

101 0.0 7.8 11.6#

130 2.3 18.7 28.1#

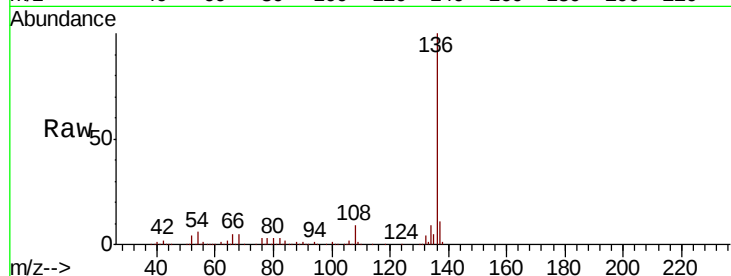




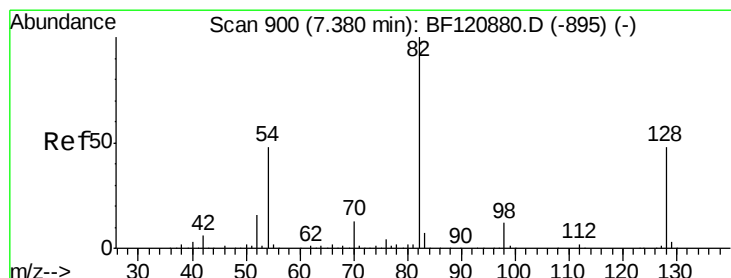
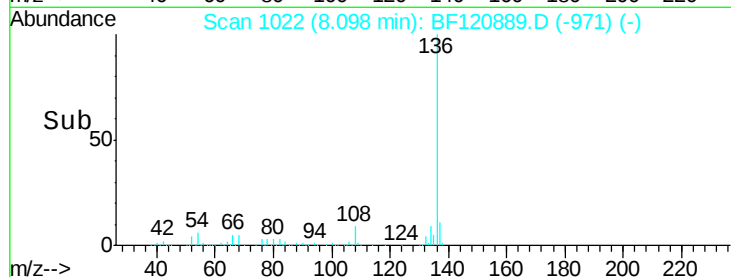
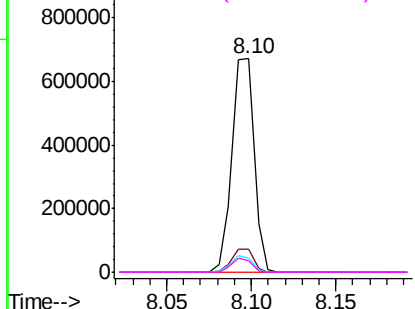
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF120889.D
Acq: 16 Jul 2020 16:57

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

Tot Ion:136	Resp:	610908
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.3 13.9
54	6.5	6.3 9.5
68	5.5	5.0 7.4

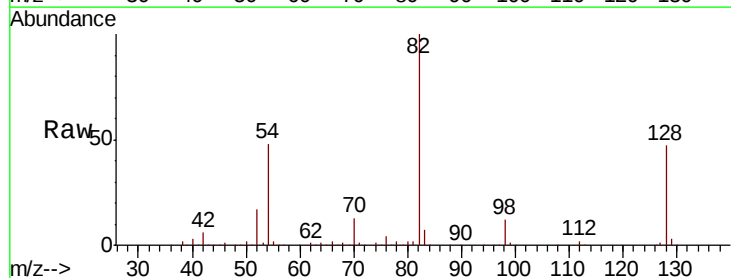


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

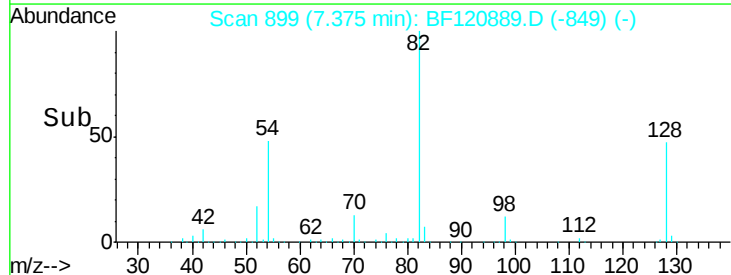
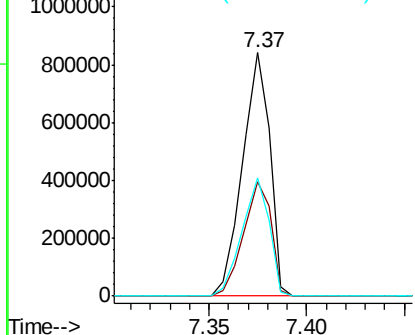


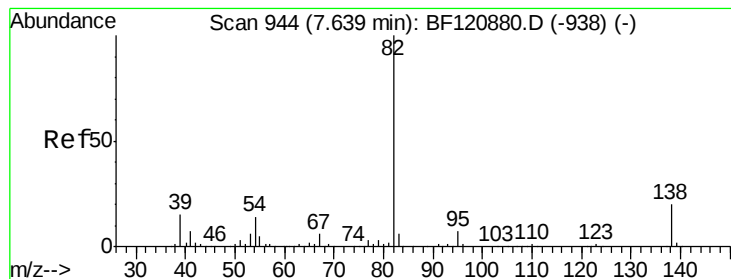
#23
Nitrobenzene-d5
Concen: 77.338 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120889.D
Acq: 16 Jul 2020 16:57

Tgt Ion: 82	Resp:	816523
Ion	Ratio	Lower Upper
82	100	
128	46.9	38.2 57.4
54	48.4	38.7 58.1



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: 38.716 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA_F

ClientSampleId :

OK-01-071420

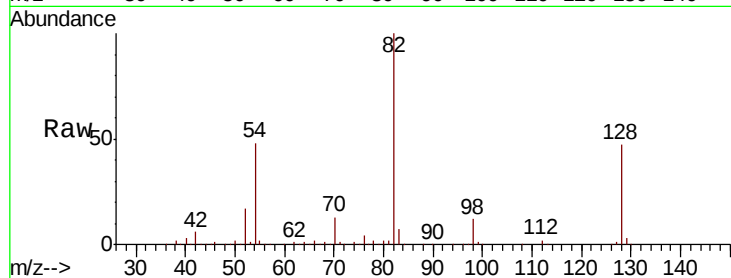
Tot Ion: 82 Resp: 815796

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

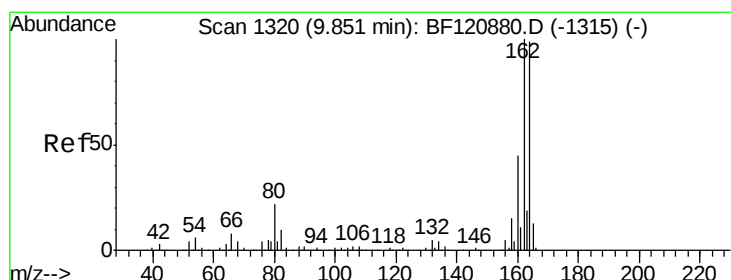
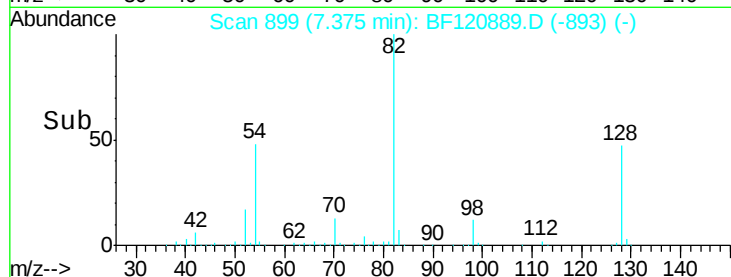
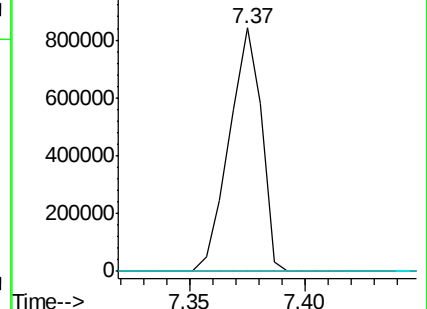
138 0.0 15.6 23.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

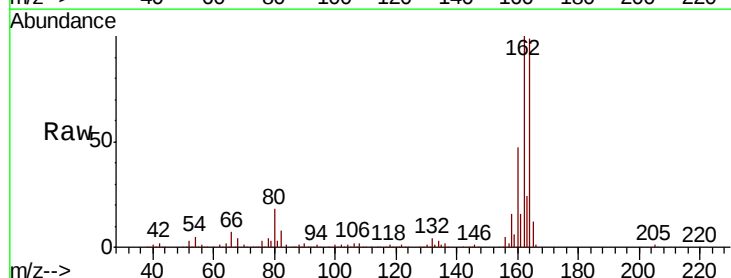
Tgt Ion:164 Resp: 320241

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

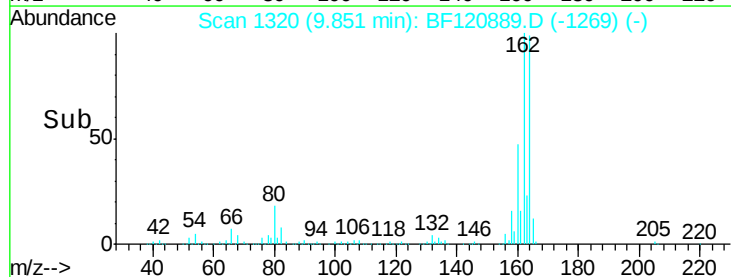
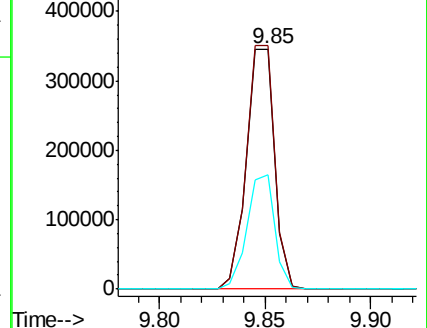
160 47.5 36.9 55.3

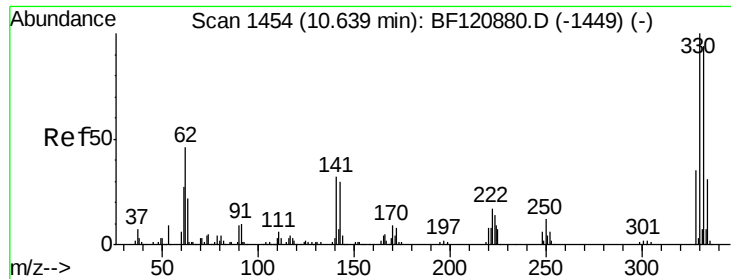


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

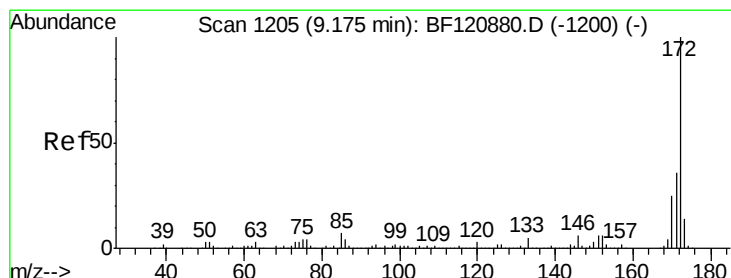
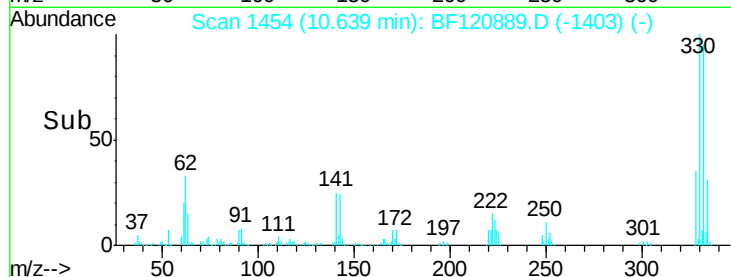
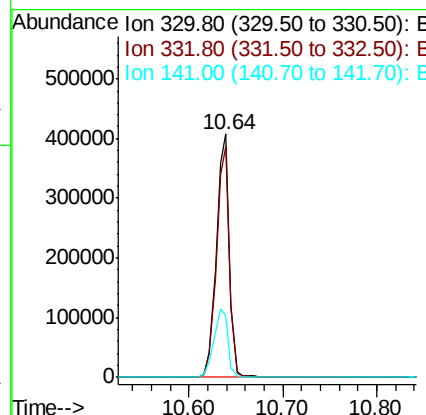
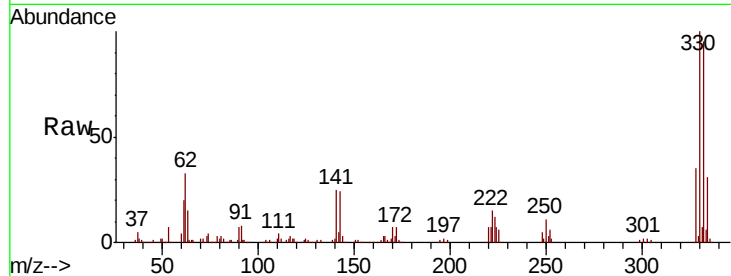




#42
 2,4,6-Tribromophenol
 Concen: 114.729 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF120889.D
 Acq: 16 Jul 2020 16:57

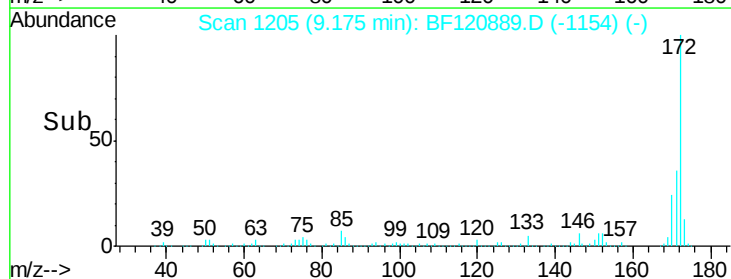
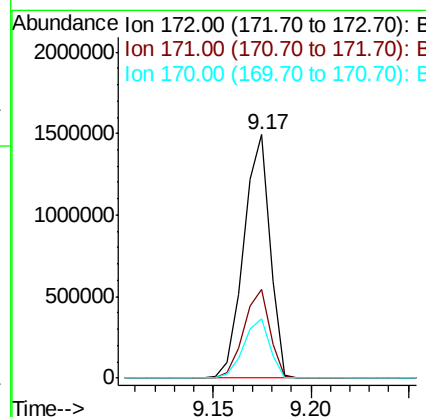
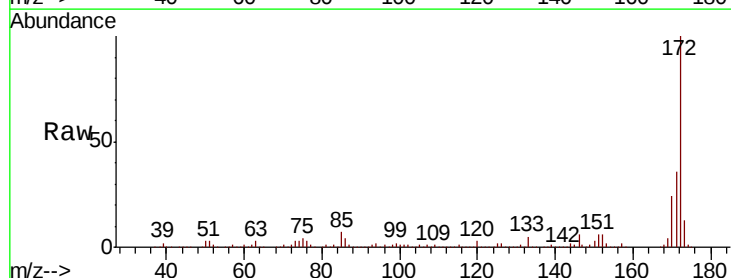
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

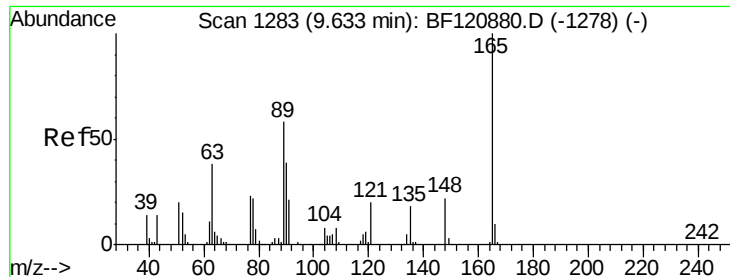
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.5	113.3
141	30.5	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 64.903 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF120889.D
 Acq: 16 Jul 2020 16:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.2	19.6	29.4





#51

2,6-Dinitrotoluene

Concen: 8.197 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA_F

ClientSampleId :

OK-01-071420

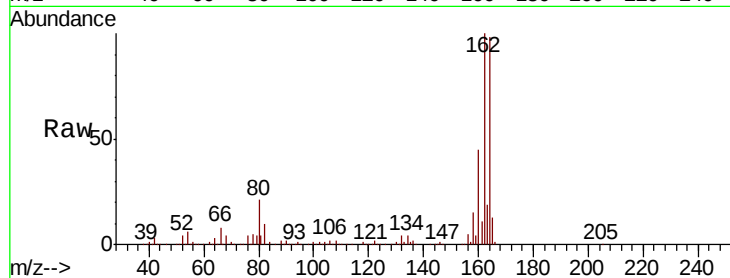
Tot Ion:165 Resp: 40687

Ion Ratio Lower Upper

165 100

63 1.0 45.4 68.2#

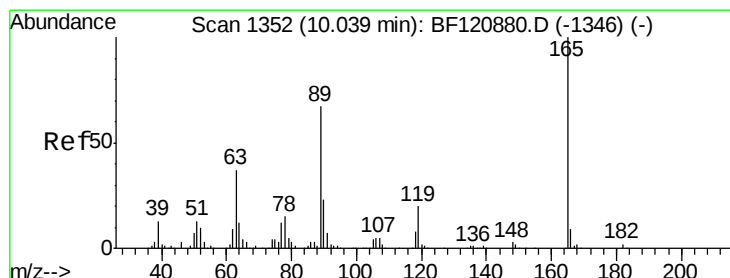
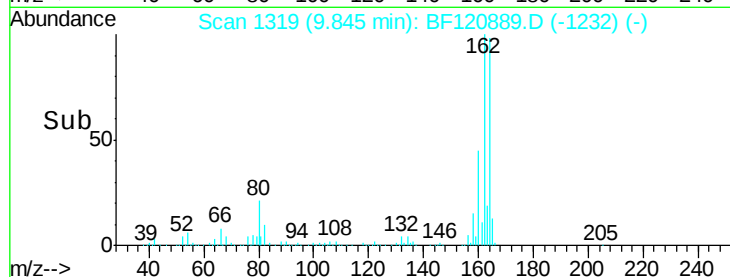
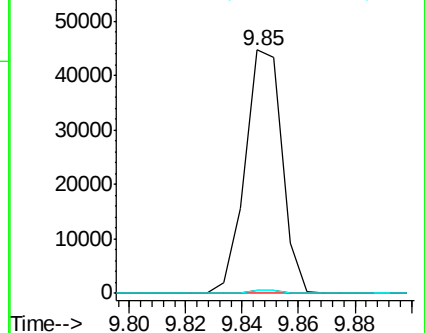
89 1.3 47.0 70.4#



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: 6.242 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Tgt Ion:165 Resp: 40687

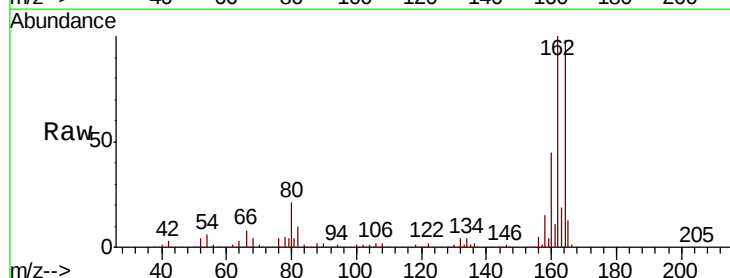
Ion Ratio Lower Upper

165 100

63 1.0 29.4 44.2#

89 1.3 53.4 80.0#

182 0.0 1.8 2.6#

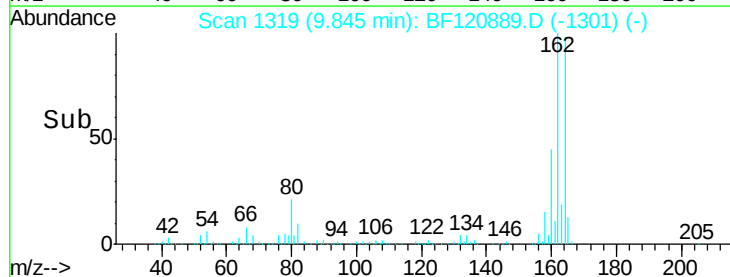
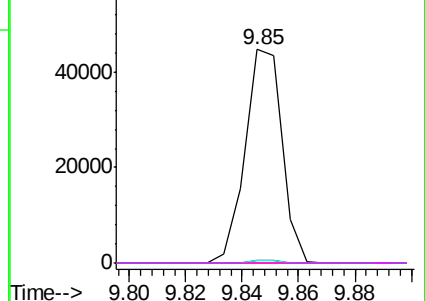


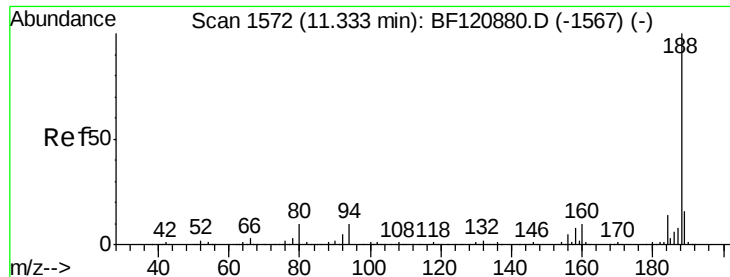
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA_F

ClientSampleId :

OK-01-071420

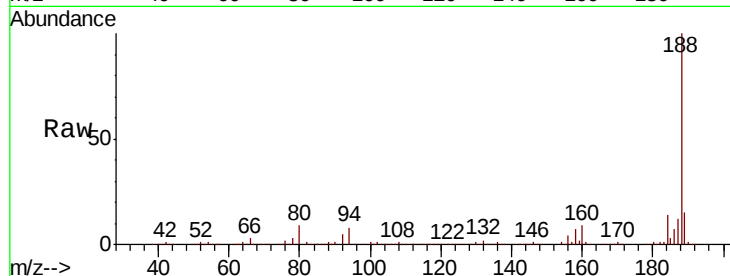
Tot Ion:188 Resp: 650318

Ion Ratio Lower Upper

188 100

94 8.4 8.0 12.0

80 8.7 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

1000000

800000

600000

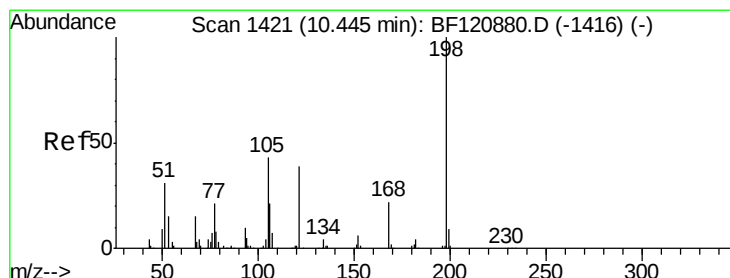
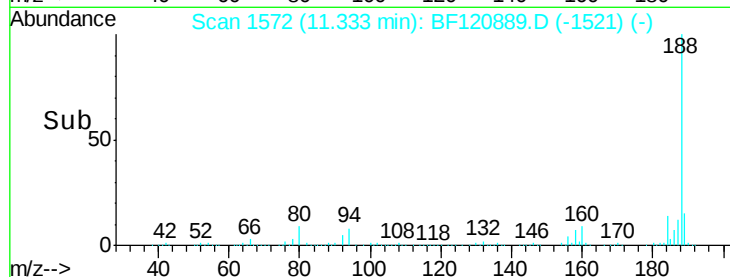
400000

200000

0

11.33

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.063 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

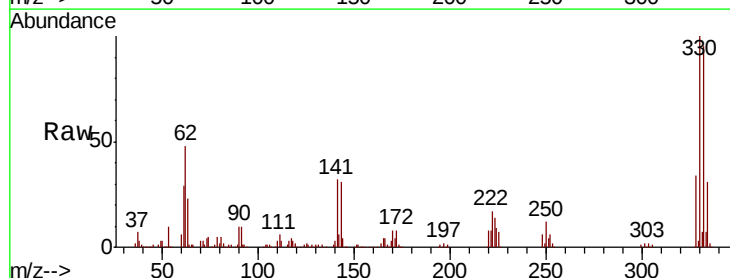
Tgt Ion:198 Resp: 902

Ion Ratio Lower Upper

198 100

51 140.2 19.5 59.5#

105 176.9 24.4 64.4#



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

2500

2000

1500

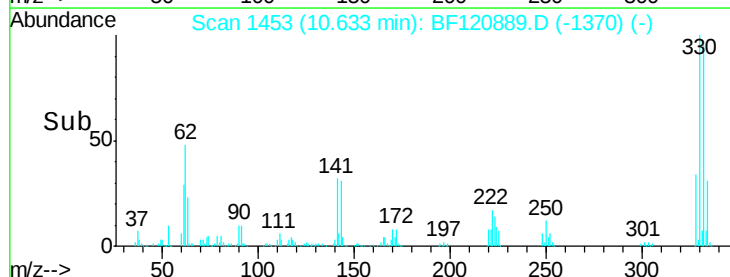
1000

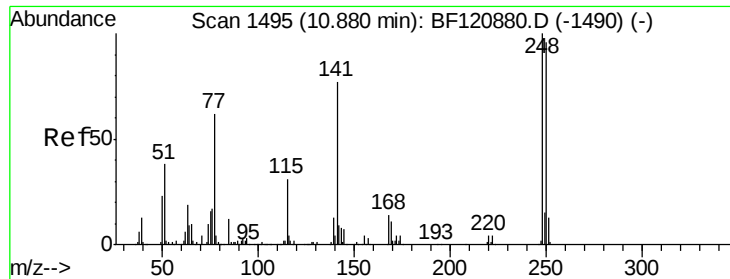
500

0

10.63

Time-->

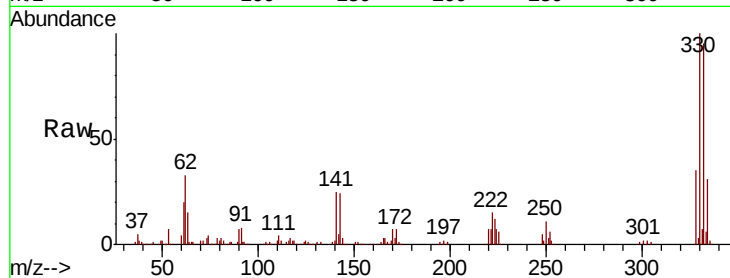




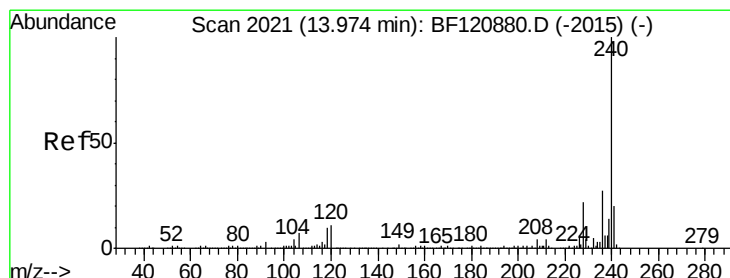
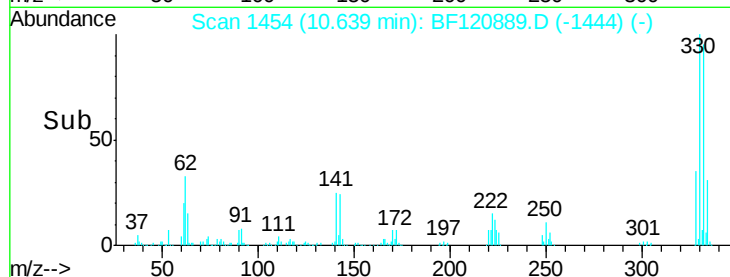
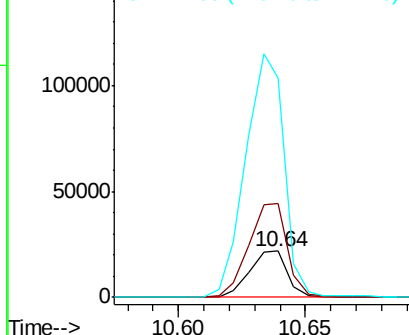
#67
 4-Bromophenyl-phenylether
 Concen: 3.153 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF120889.D
 Acq: 16 Jul 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Tot Ion:248 Resp: 22863
 Ion Ratio Lower Upper
 248 100
 250 202.1 77.1 115.7#
 141 471.7 61.2 91.8#

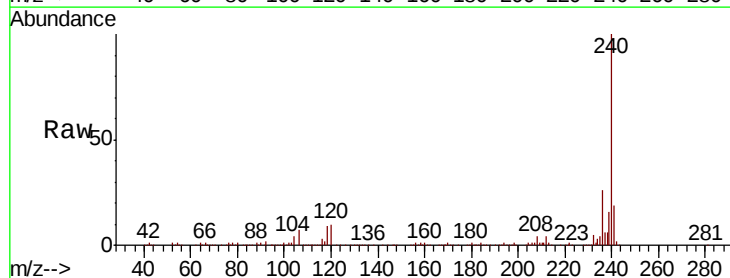


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

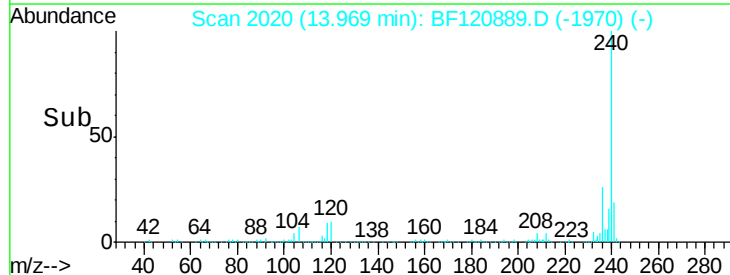
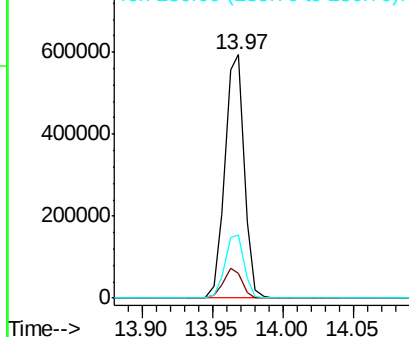


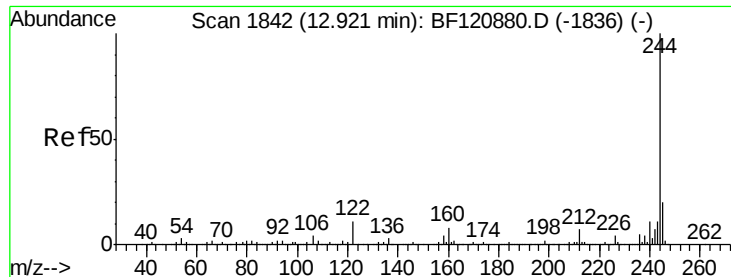
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF120889.D
 Acq: 16 Jul 2020 16:57

Tgt Ion:240 Resp: 564772
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.0 13.4
 236 26.2 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: 63.783 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA_F

ClientSampleId :

OK-01-071420

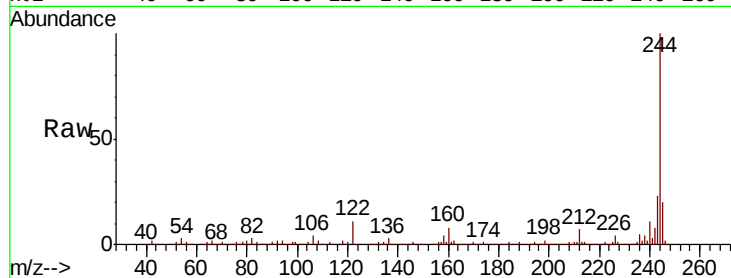
Tot Ion:244 Resp: 1657139

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

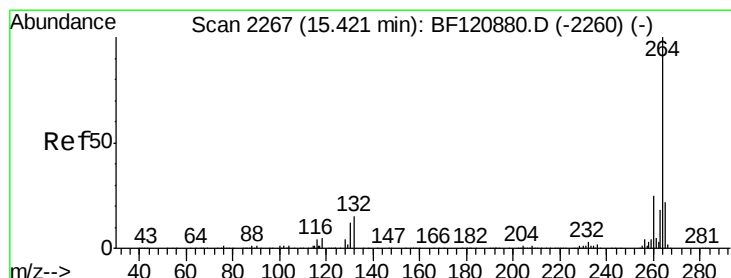
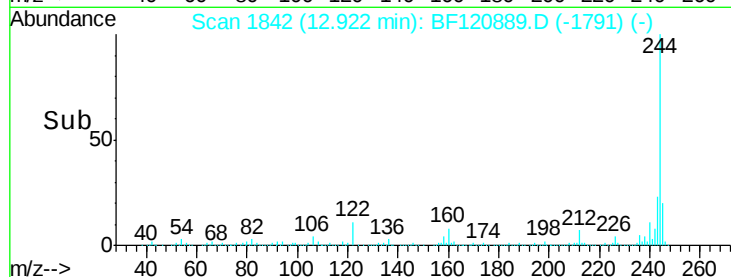
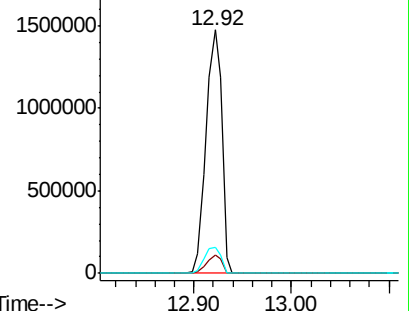
122 10.9 8.9 13.3



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: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

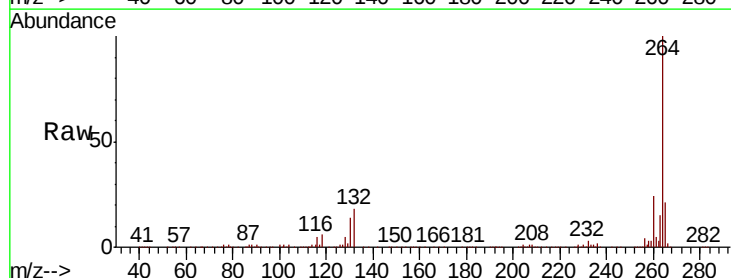
Tgt Ion:264 Resp: 506560

Ion Ratio Lower Upper

264 100

260 24.4 20.0 30.0

265 21.0 17.4 26.2



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

