

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072320\
 Data File : BF120981.D
 Acq On : 23 Jul 2020 14:38
 Operator : JU/CG
 Sample : PB130408BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 16:25:17 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	192366	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	764058	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	411156	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	803564	20.00	ng	0.00
76) Chrysene-d12	13.97	240	684195	20.00	ng	0.00
86) Perylene-d12	15.42	264	623026	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1876758	159.94	ng	0.02
7) Phenol-d6	6.45	99	2438150	160.85	ng	0.00
23) Nitrobenzene-d5	7.38	82	1575229	119.29	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	832569	184.99	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2760642	100.25	ng	0.00
79) Terphenyl-d14	12.93	244	2798821	88.92	ng	0.00

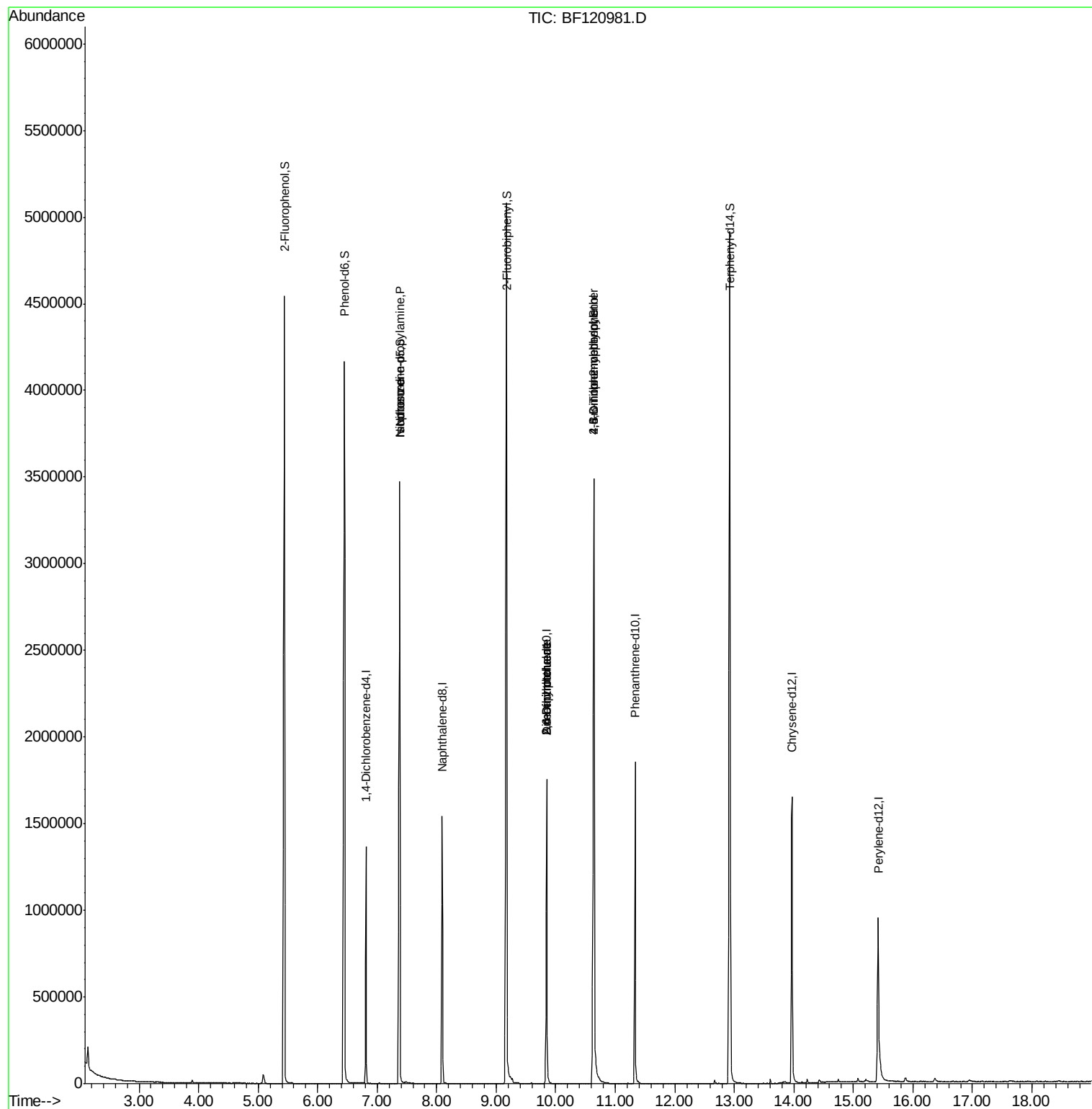
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	3494	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	207872	24.117	ng	# 77
25) Isophorone	7.38	82	1558523	59.139	ng	# 63
50) Dimethylphthalate	9.85	163	80950	2.729	ng	# 1
51) 2,6-Dinitrotoluene	9.85	165	52597	8.254	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	52598	6.285	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.65	198	1517	4.143	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	47796	5.335	ng	# 1

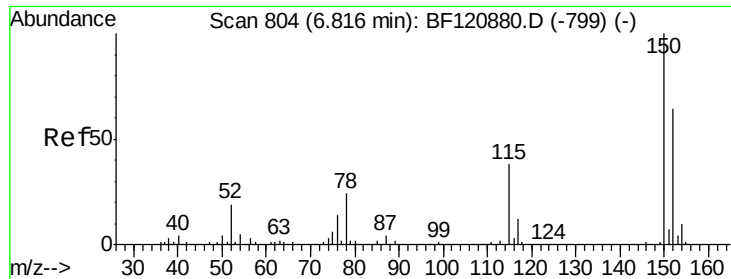
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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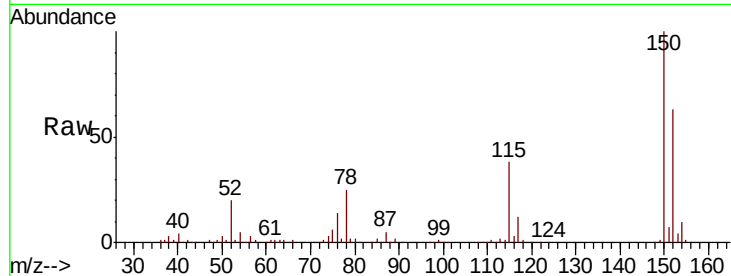


#1

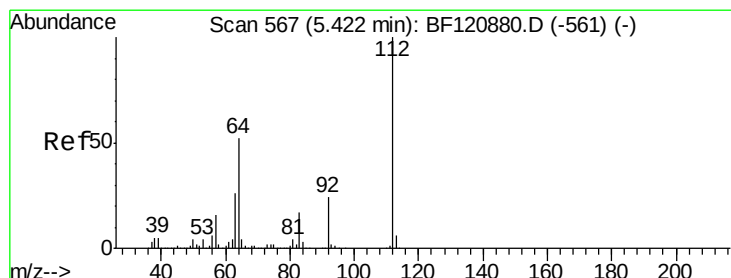
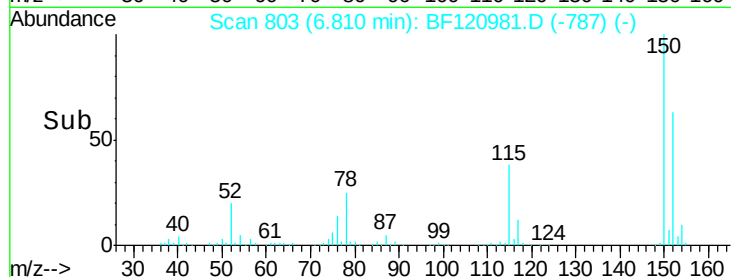
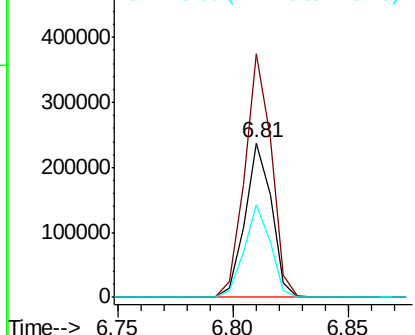
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 192366
Ion Ratio Lower Upper
152 100
150 157.8 125.0 187.6
115 60.3 47.0 70.4



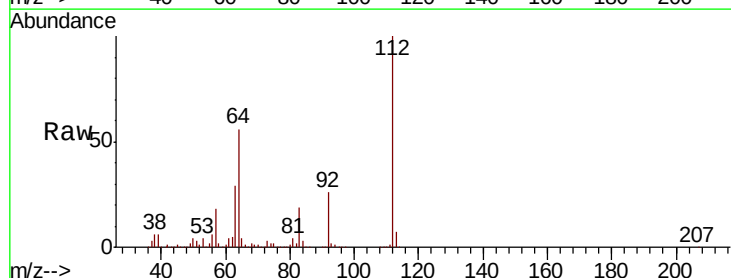
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



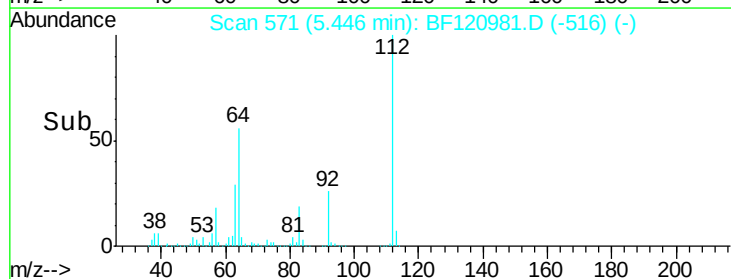
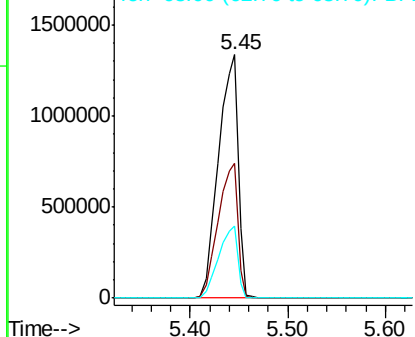
#5

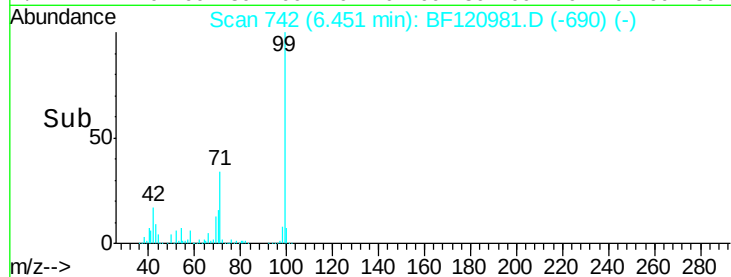
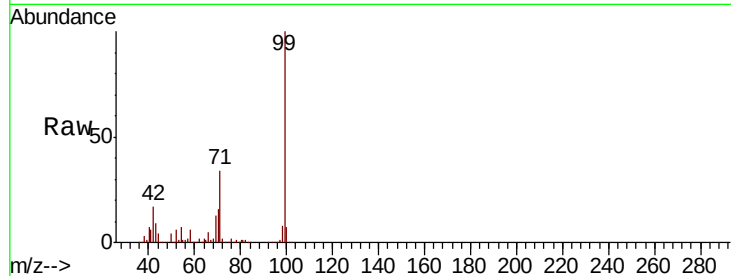
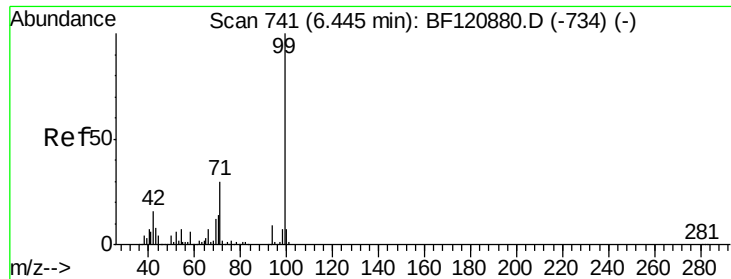
2-Fluorophenol
Concen: 159.939 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.02 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Tgt Ion:112 Resp: 1876758
Ion Ratio Lower Upper
112 100
64 55.6 41.3 61.9
63 29.4 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: 160.853 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

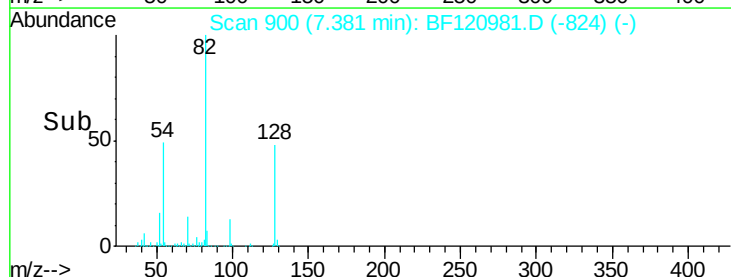
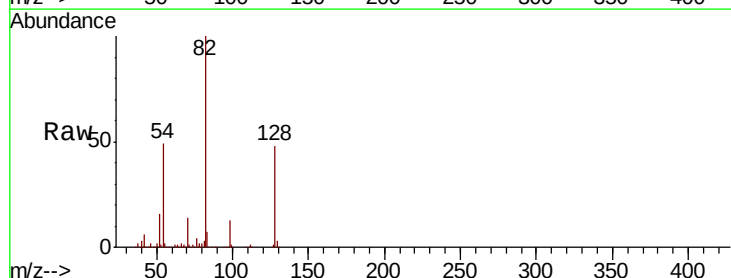
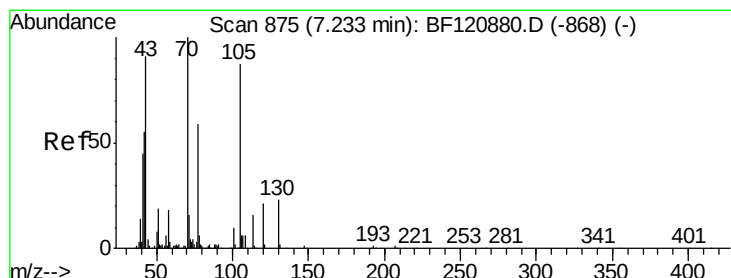
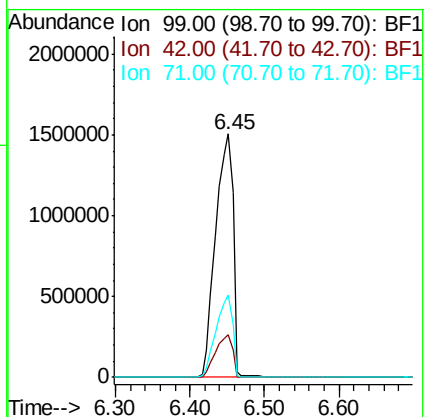
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2438150

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.1	19.7
71	33.9	24.2	36.4



#19

n-Nitroso-di-n-propylamine

Concen: 24.117 ng

RT: 7.38 min Scan# 900

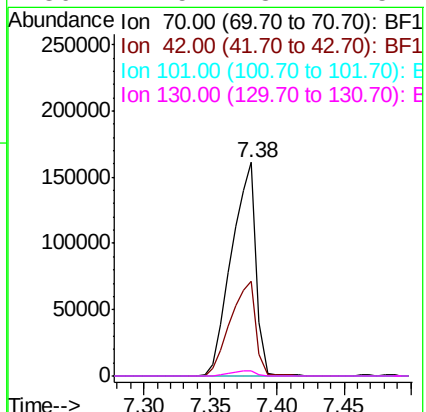
Delta R.T. 0.15 min

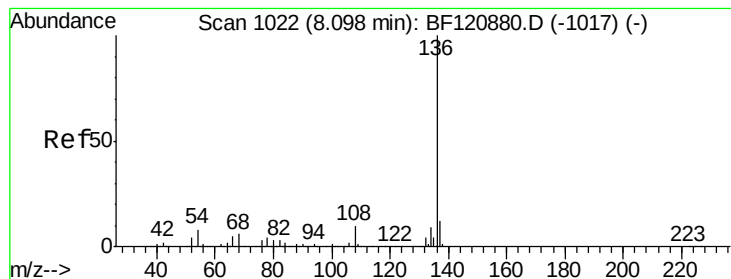
Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

Tgt Ion: 70 Resp: 207872

Ion	Ratio	Lower	Upper
70	100		
42	44.4	44.0	66.0
101	0.0	7.8	11.6#
130	2.5	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: BF120981.D

Acq: 23 Jul 2020 14:38

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 764058

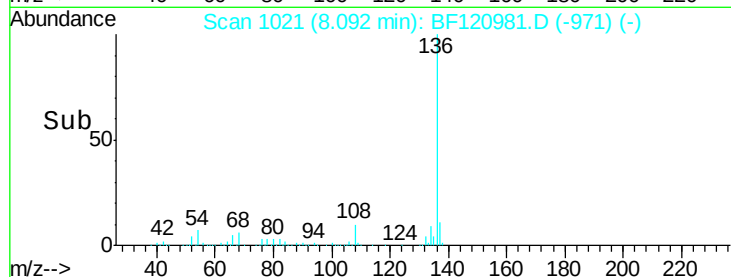
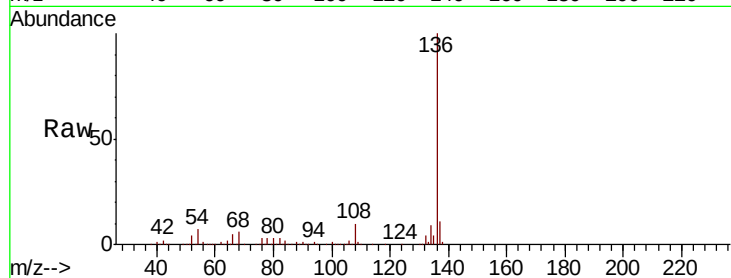
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.4 6.3 9.5

68 5.9 5.0 7.4

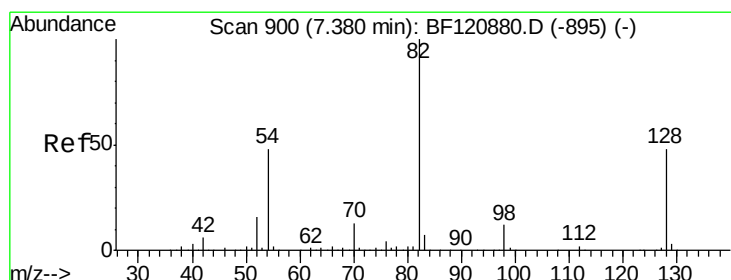
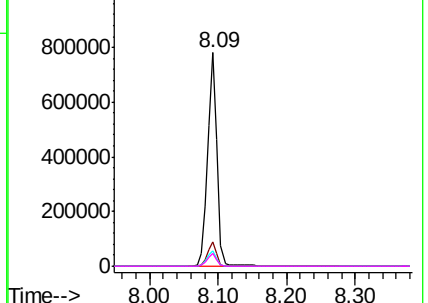


Abundance Ion 136.00 (135.70 to 136.70): E

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: 119.294 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

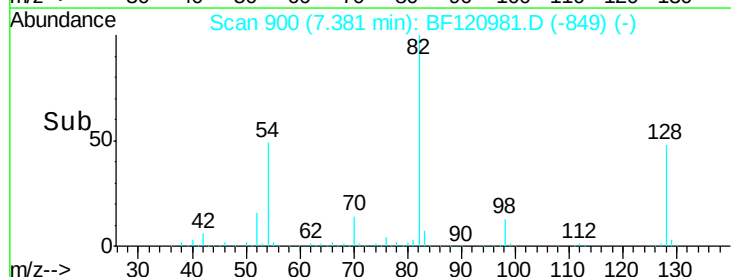
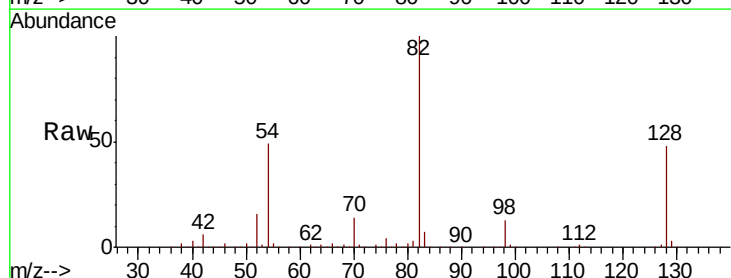
Tgt Ion: 82 Resp: 1575229

Ion Ratio Lower Upper

82 100

128 48.3 38.2 57.4

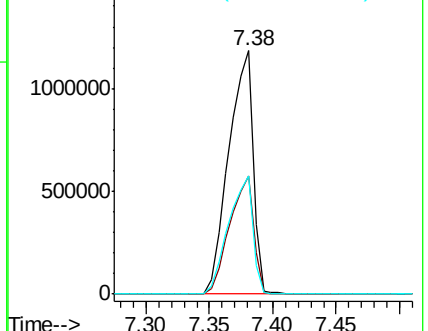
54 48.5 38.7 58.1

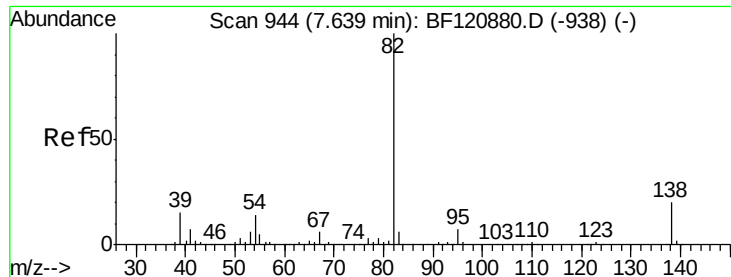


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 59.139 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

Instrument :

BNA_F

ClientSampleId :

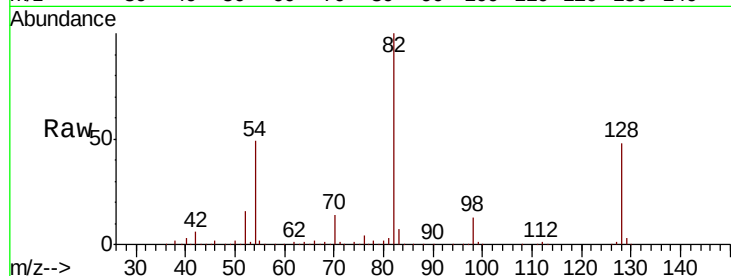
Tot Ion: 82 Resp: 1558523

Ion Ratio Lower Upper

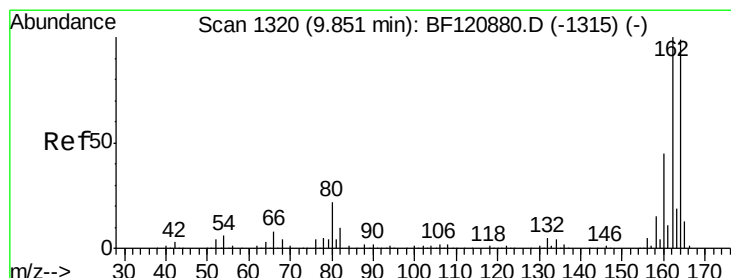
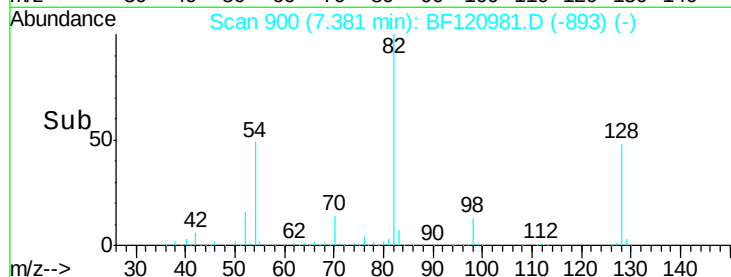
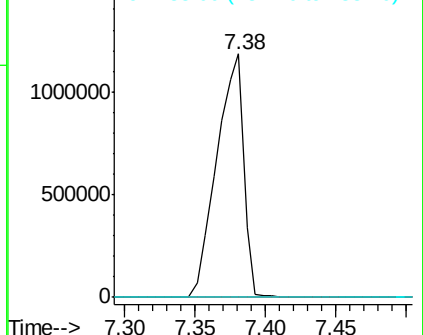
82 100

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# 1319

Delta R.T. -0.01 min

Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

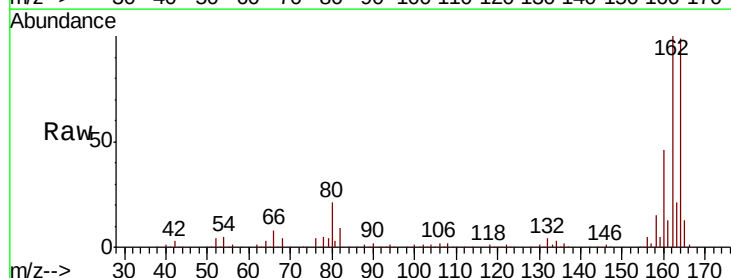
Tgt Ion:164 Resp: 411156

Ion Ratio Lower Upper

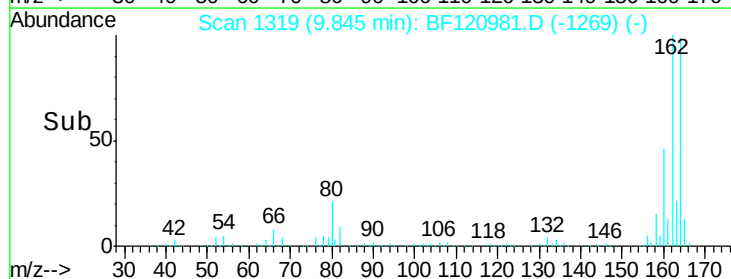
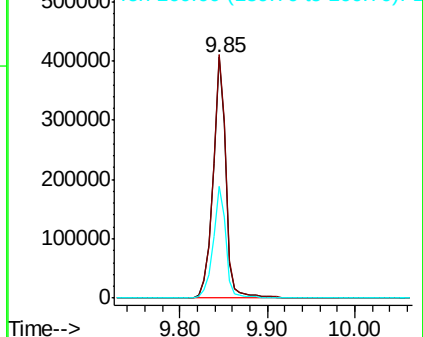
164 100

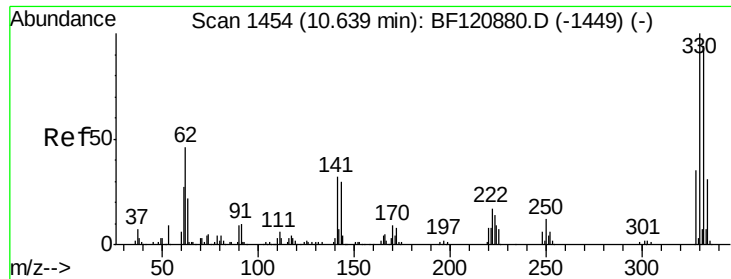
162 101.1 81.2 121.8

160 46.7 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

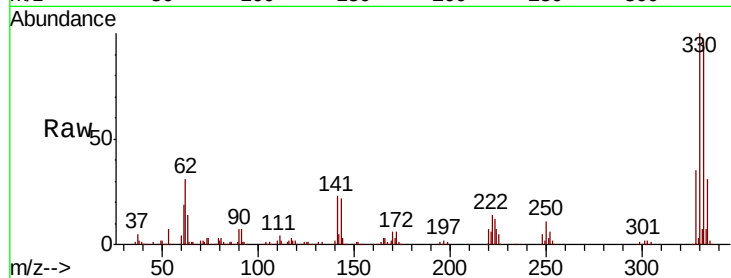




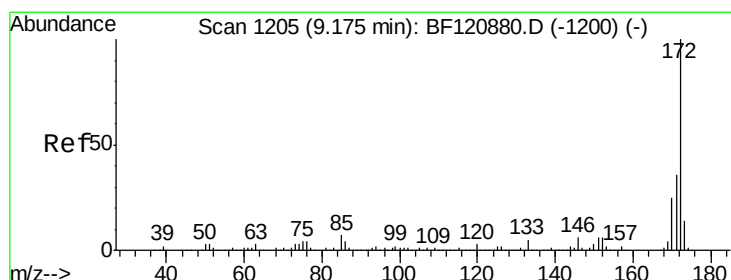
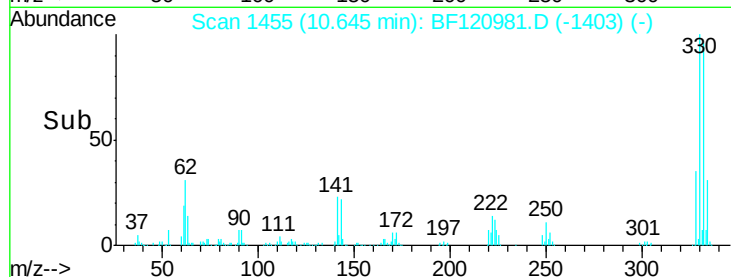
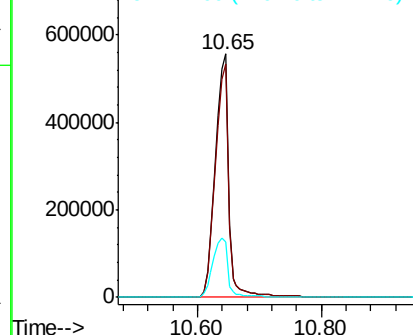
#42
 2,4,6-Tribromophenol
 Concen: 184.994 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF120981.D
 Acq: 23 Jul 2020 14:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.5	113.3
141	27.9	25.7	38.5

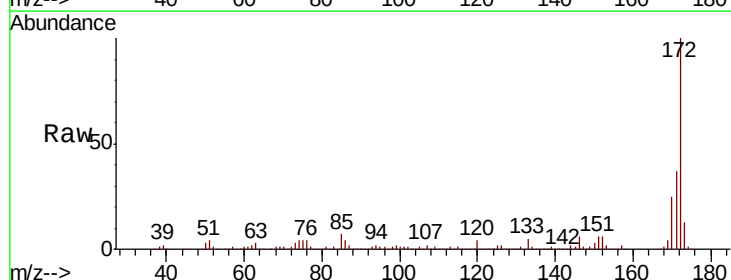


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

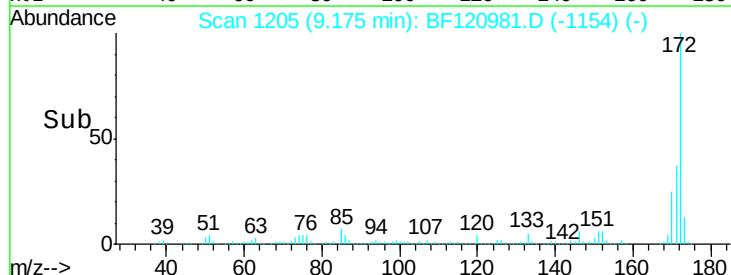
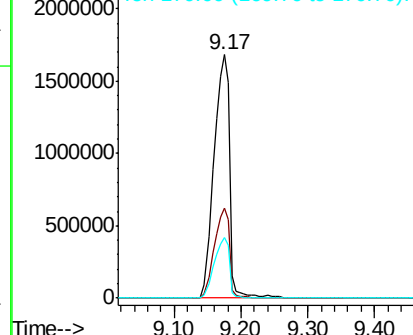


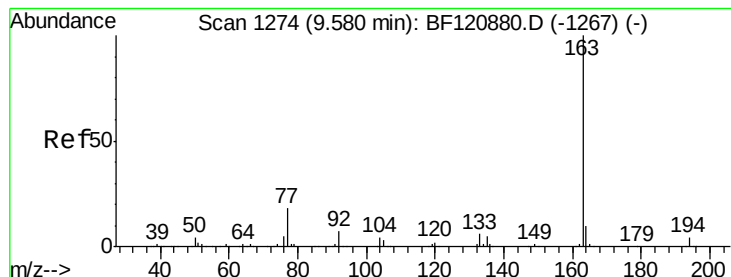
#45
 2-Fluorobiphenyl
 Concen: 100.248 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF120981.D
 Acq: 23 Jul 2020 14:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.8	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: 2.729 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.26 min

Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

Instrument :

BNA_F

ClientSampled :

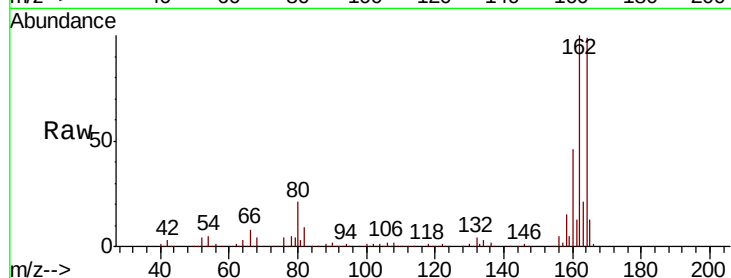
Tot Ion:163 Resp: 80950

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

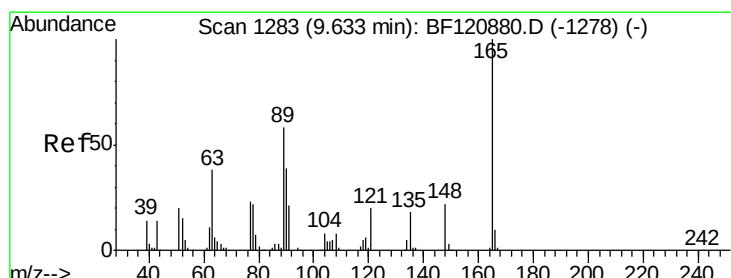
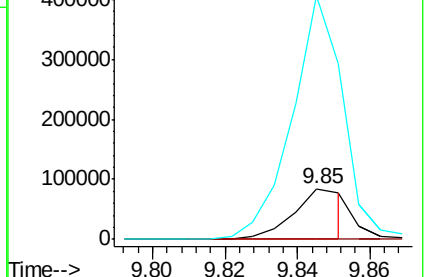
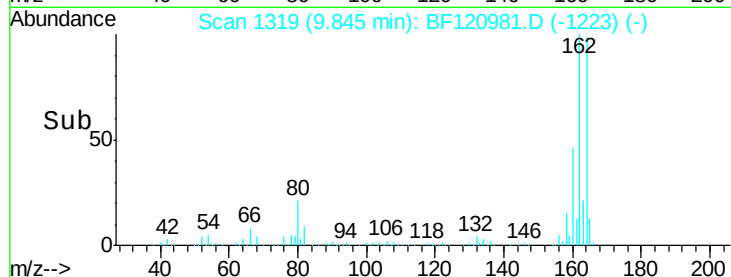
164 480.3 7.9 11.9#



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



#51

2,6-Dinitrotoluene

Concen: 8.254 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF120981.D

Acq: 23 Jul 2020 14:38

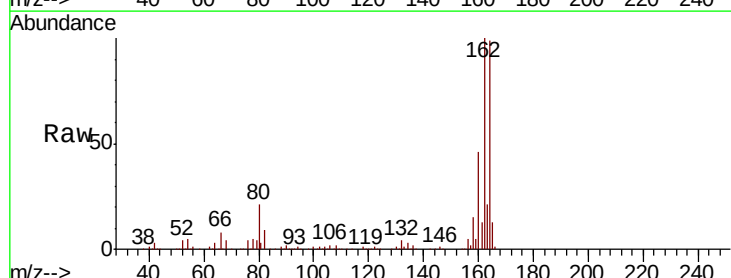
Tgt Ion:165 Resp: 52597

Ion Ratio Lower Upper

165 100

63 0.8 45.4 68.2#

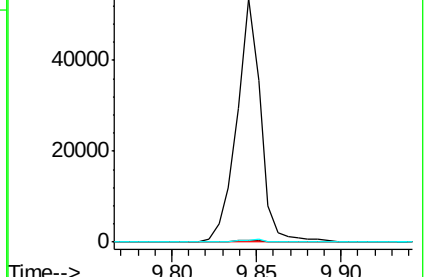
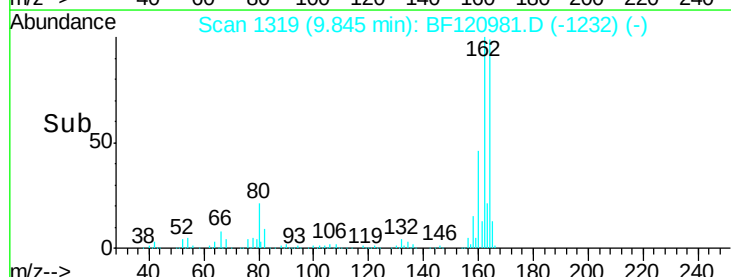
89 1.0 47.0 70.4#

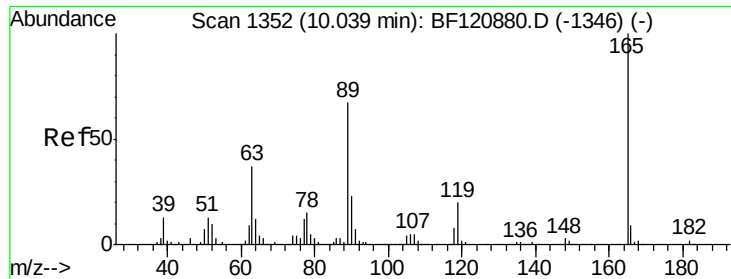


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

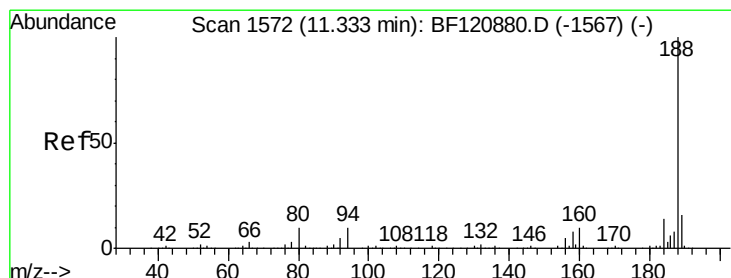
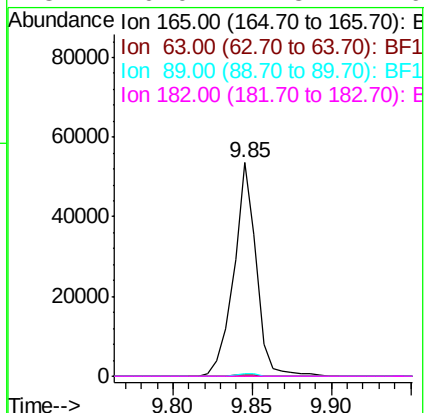
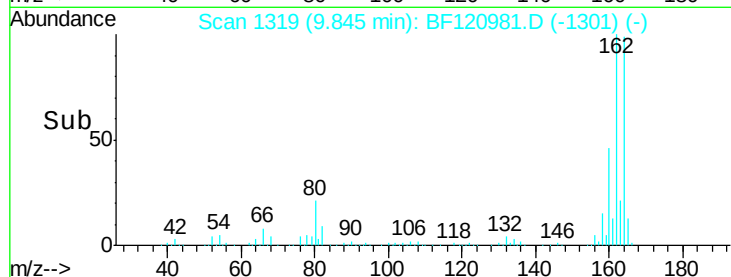
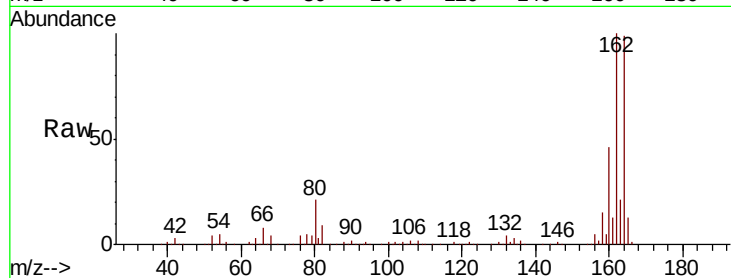




#57
 2,4-Dinitrotoluene
 Concen: 6.285 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF120981.D
 Acq: 23 Jul 2020 14:38

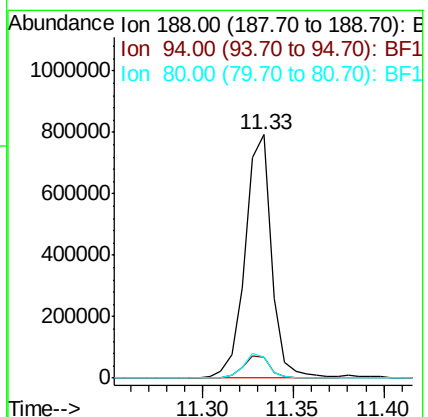
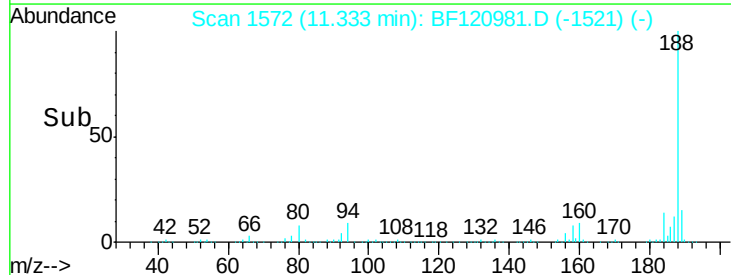
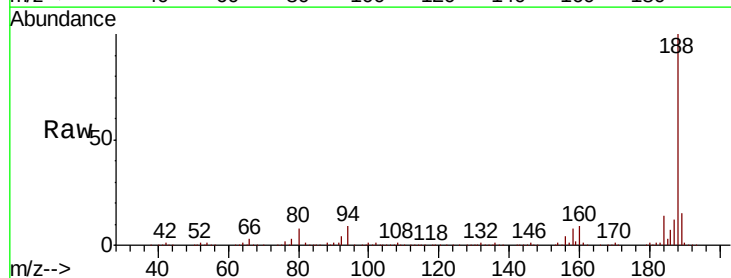
Instrument :
 BNA_F
 ClientSampleId :

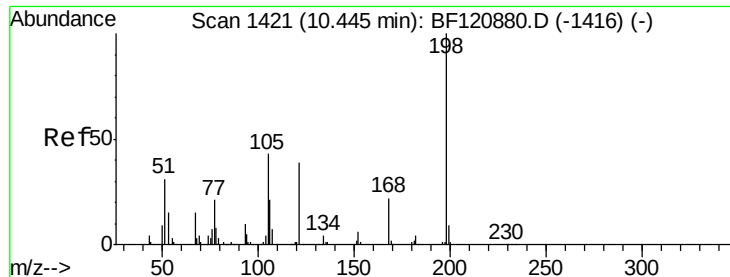
Tot Ion:165	Resp:	52598	
Ion Ratio	Lower	Upper	
165 100			
63 0.8	29.4	44.2#	
89 1.0	53.4	80.0#	
182 0.0	1.8	2.6#	



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF120981.D
 Acq: 23 Jul 2020 14:38

Tgt Ion	188	Resp: Lower	803564 Upper
	Ratio		
188	100		
94	8.5	8.0	12.0
80	8.4	8.3	12.5

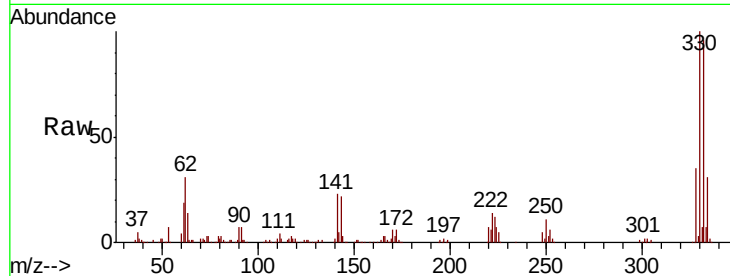




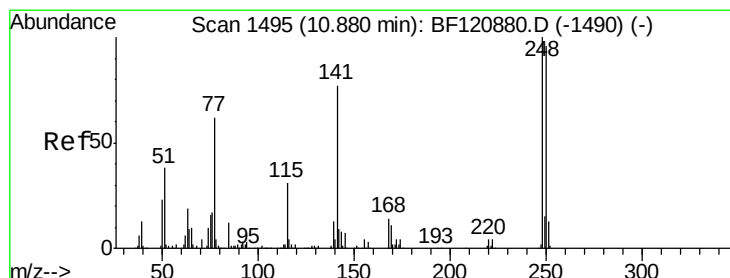
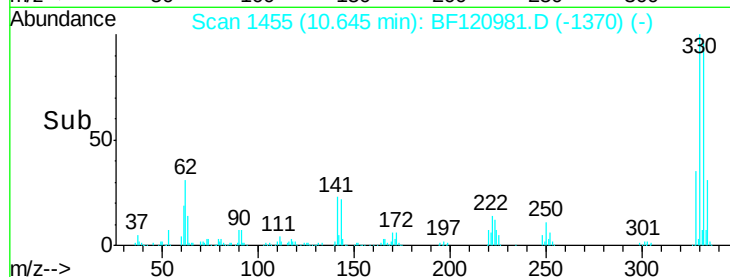
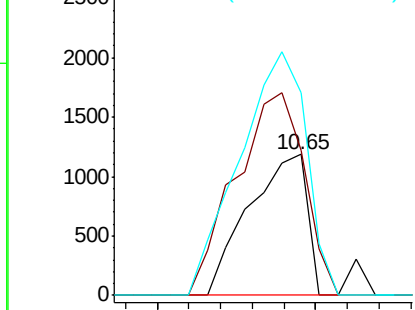
#65
4,6-Dinitro-2-methylphenol
Concen: 4.143 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.20 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 1517
Ion Ratio Lower Upper
198 100
51 102.8 19.5 59.5#
105 144.3 24.4 64.4#

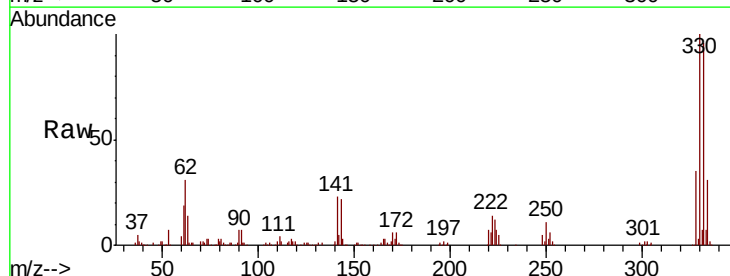


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

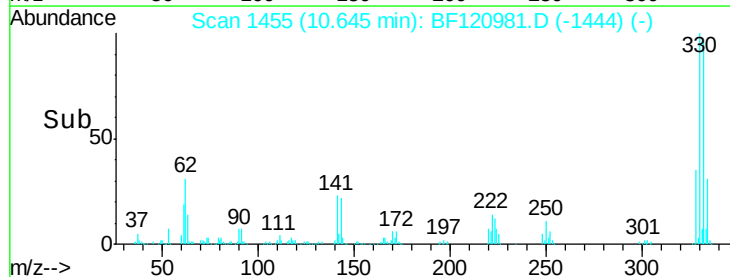
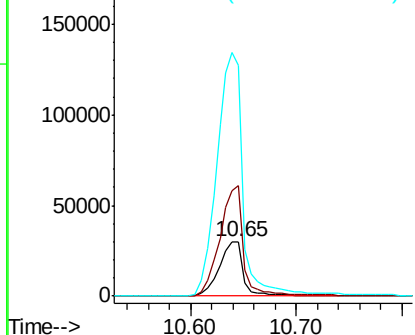


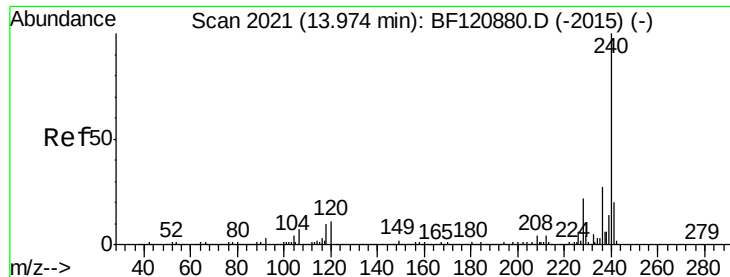
#67
4-Bromophenyl-phenylether
Concen: 5.335 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Tgt Ion:248 Resp: 47796
Ion Ratio Lower Upper
248 100
250 201.2 77.1 115.7#
141 420.1 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

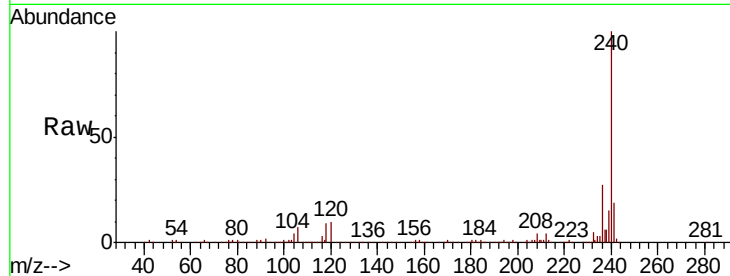




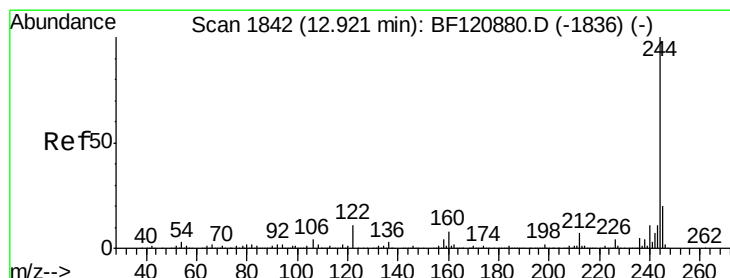
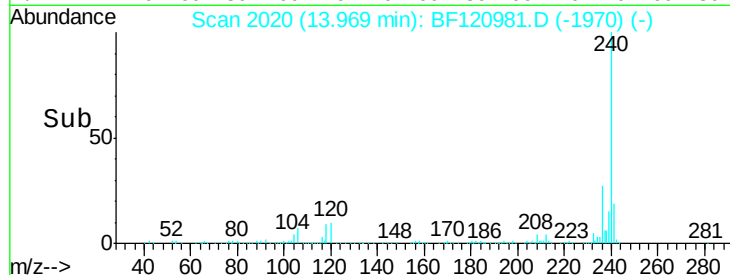
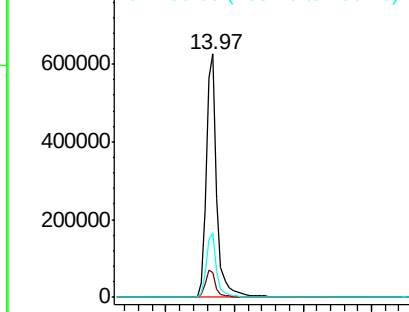
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 684195
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 26.7 21.7 32.5

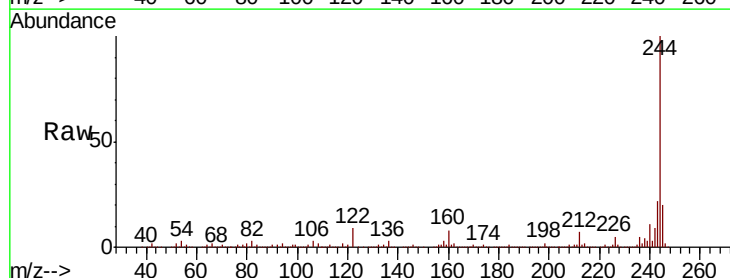


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

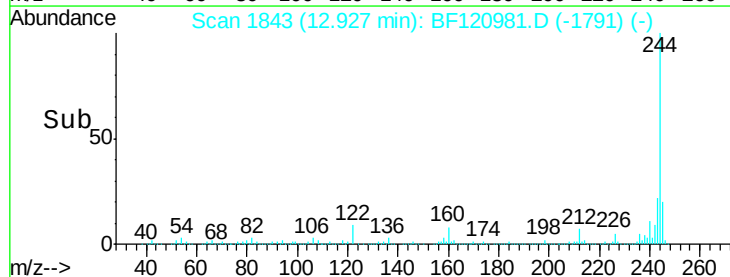
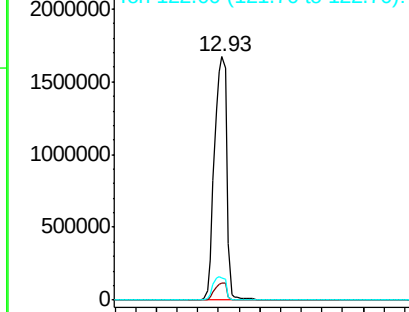


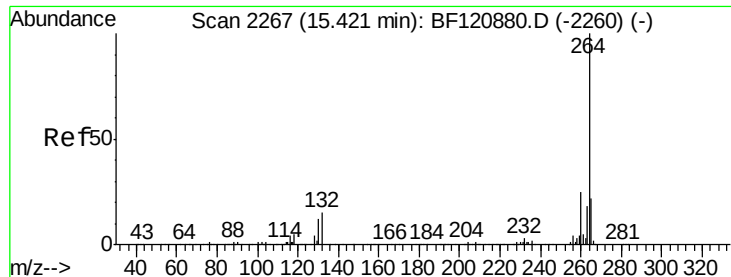
#79
Terphenyl-d14
Concen: 88.922 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Tgt Ion:244 Resp: 2798821
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 9.1 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

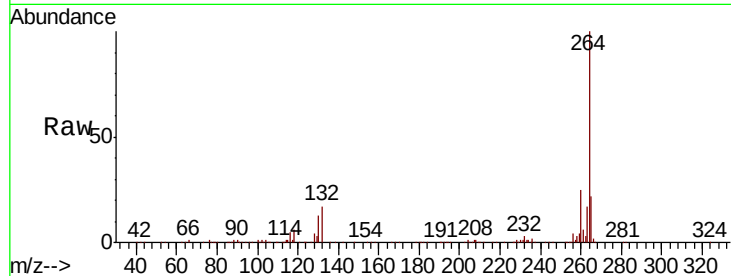




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF120981.D
Acq: 23 Jul 2020 14:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	22.0	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

