

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042720\
 Data File : BF120222.D
 Acq On : 27 Apr 2020 16:43
 Operator : MA/SJ
 Sample : L2401-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 01:10:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 27 12:17:15 2020
 Response via : Initial Calibration

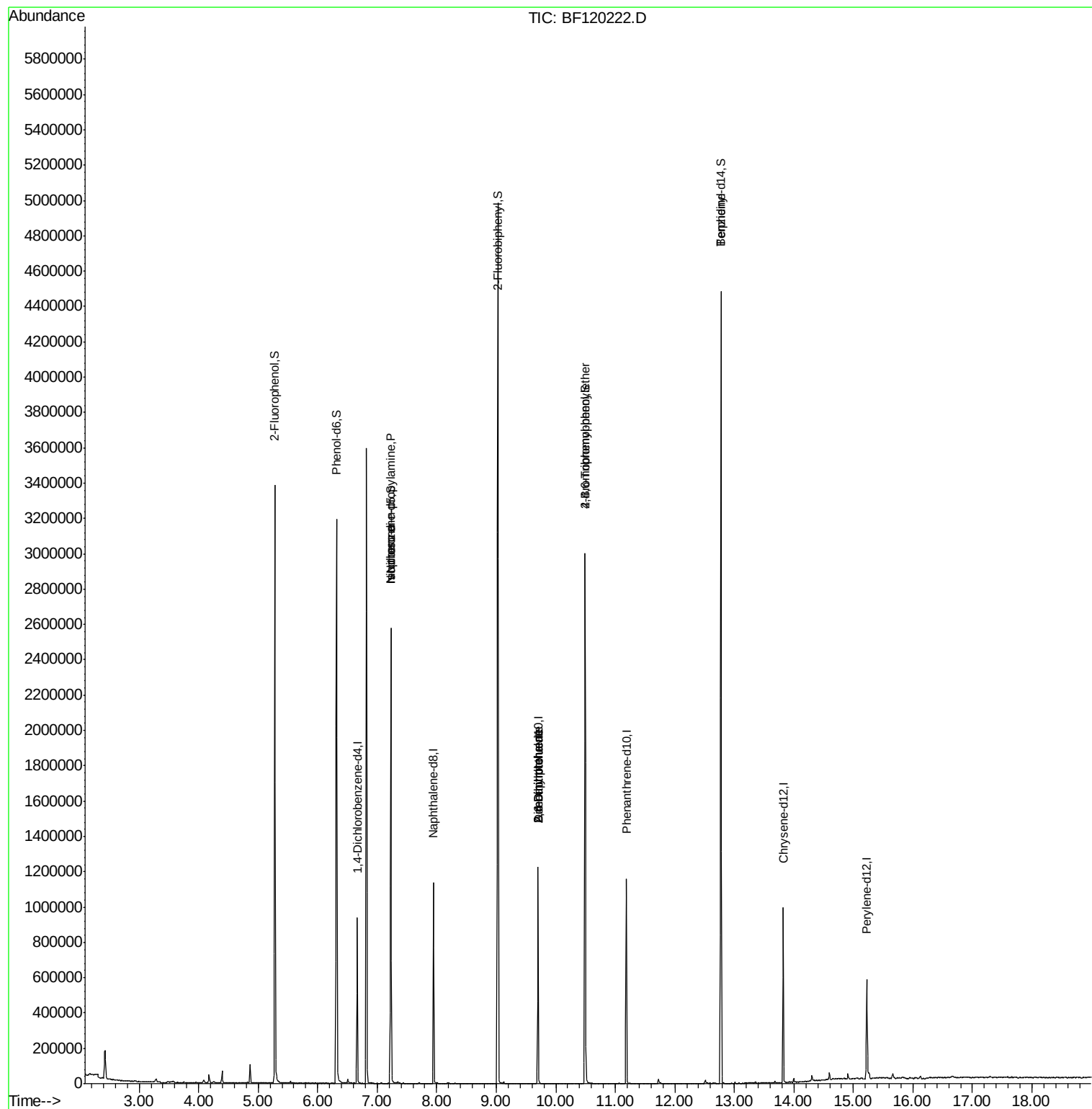
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	123352	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	469511	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	235725	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	445521	20.00	ng	0.00
76) Chrysene-d12	13.82	240	321467	20.00	ng	-0.02
87) Perylene-d12	15.23	264	244618	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	857474	120.13	ng	0.00
7) Phenol-d6	6.32	99	1050077	114.17	ng	-0.01
23) Nitrobenzene-d5	7.23	82	803380	88.52	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	352222	122.04	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	1568813	94.49	ng	0.00
79) Terphenyl-d14	12.78	244	1700127	88.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	1502	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	104420	17.656 ng	#	76
25) Isophorone	7.23	82	803368	45.920 ng	#	65
50) Dimethylphthalate	9.70	163	46635	2.558 ng	#	1
51) 2,6-Dinitrotoluene	9.70	165	29238	7.323 ng	#	27
57) 2,4-Dinitrotoluene	9.70	165	29238	5.558 ng	#	21
67) 4-Bromophenyl-phenylether	10.49	248	22261	4.018 ng	#	1
77) Benzidine	12.78	184	22302	2.052 ng	#	90

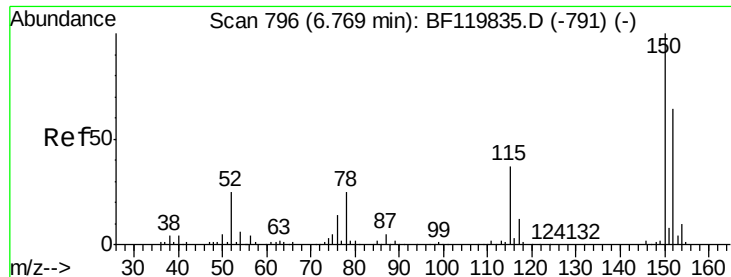
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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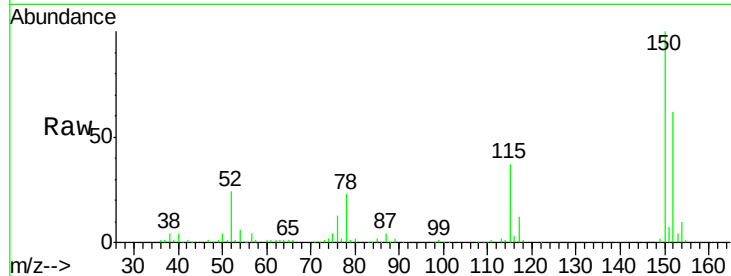


#1

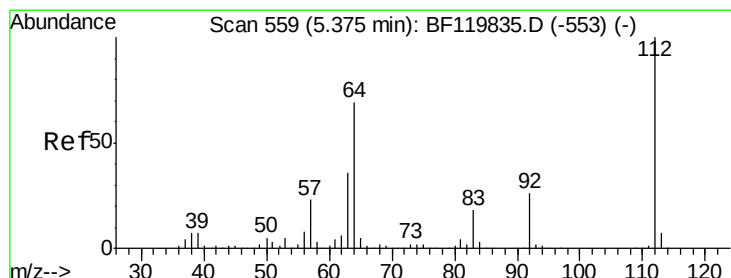
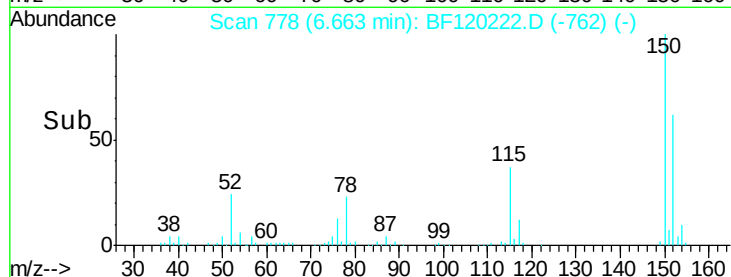
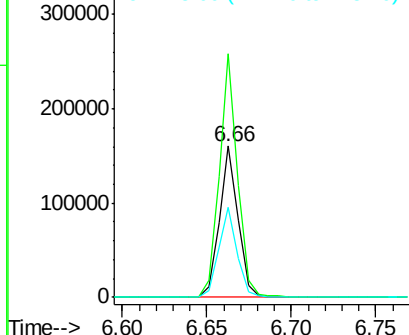
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.5	186.7
115	59.8	49.6	74.4



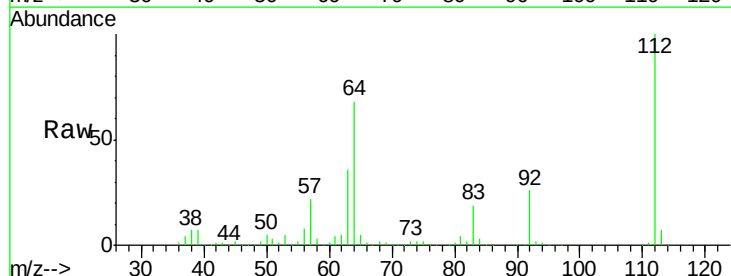
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



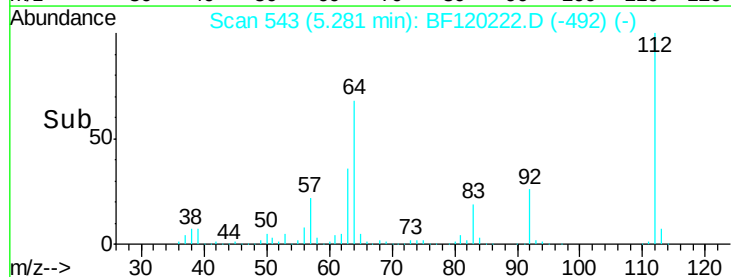
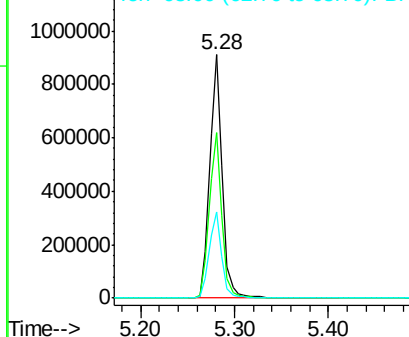
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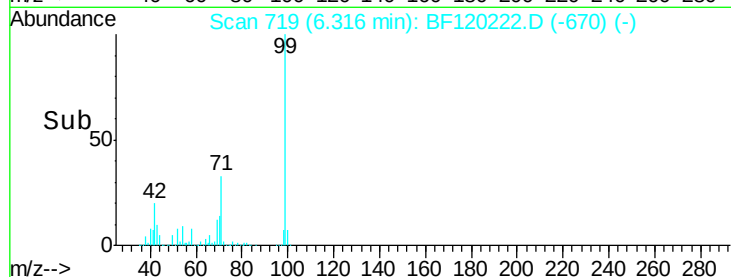
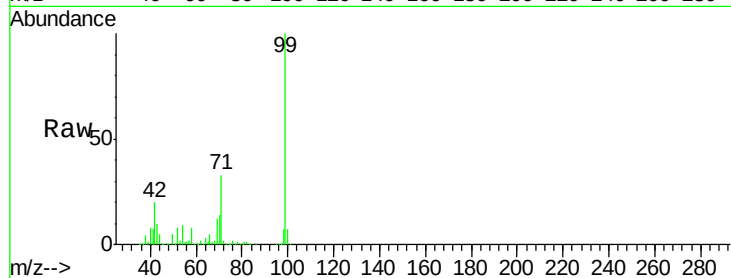
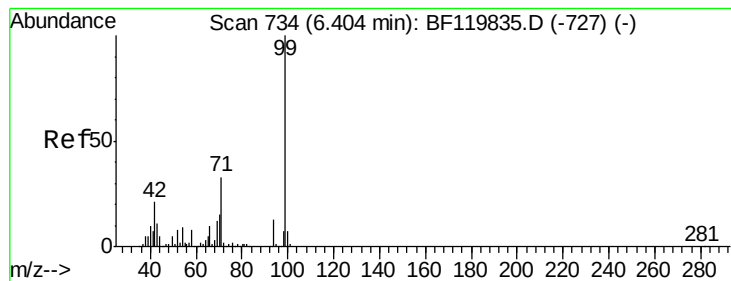
2-Fluorophenol
Concen: 120.134 ng
RT: 5.28 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	56.7	85.1
63	35.5	29.5	44.3



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: 114.173 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120222.D

Acq: 27 Apr 2020 16:43

Instrument :

BNA_F

ClientSampleId :

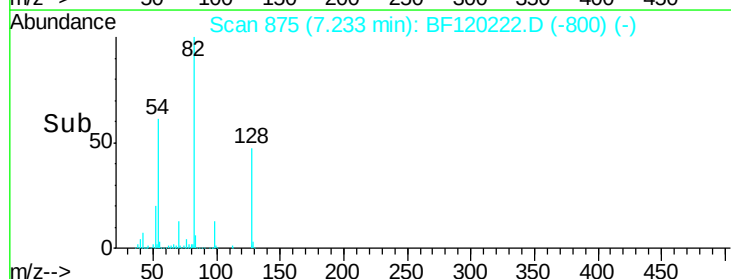
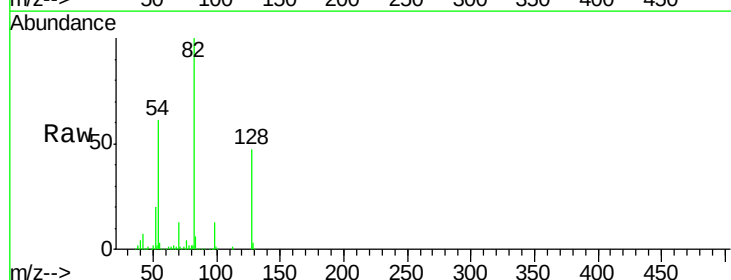
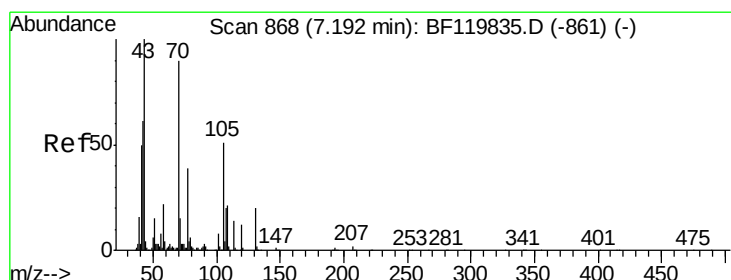
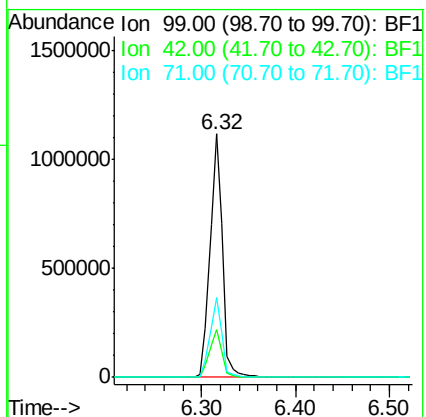
Tot Ion: 99 Resp: 1050077

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 32.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 17.656 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120222.D

Acq: 27 Apr 2020 16:43

Tgt Ion: 70 Resp: 104420

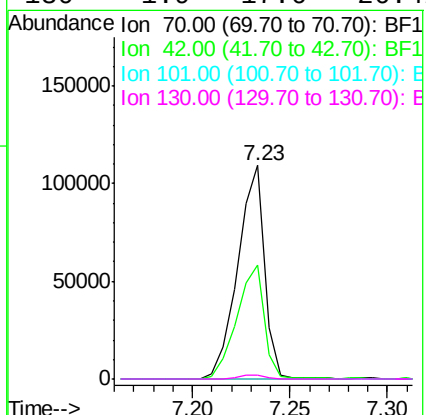
Ion Ratio Lower Upper

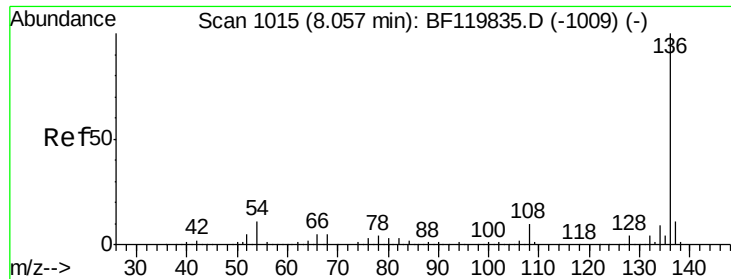
70 100

42 53.3 54.5 81.7#

101 0.0 7.6 11.4#

130 1.9 17.6 26.4#

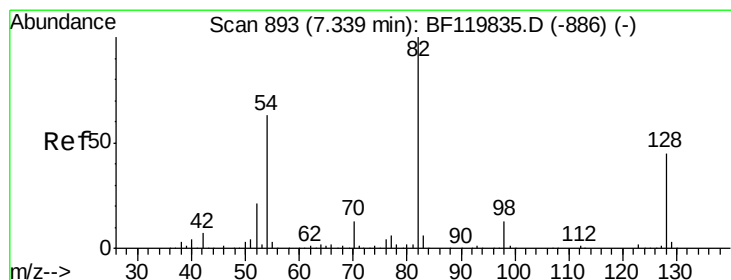
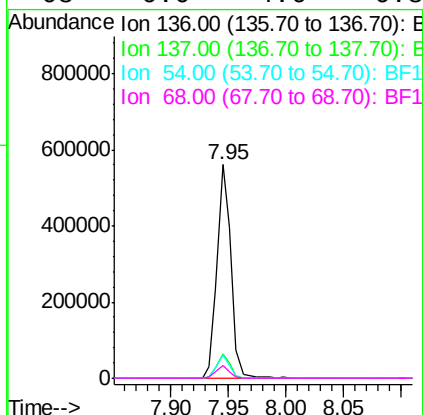
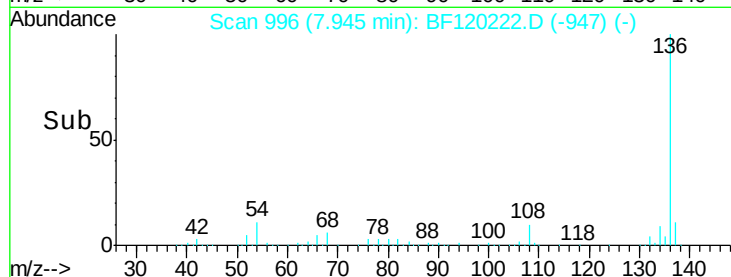
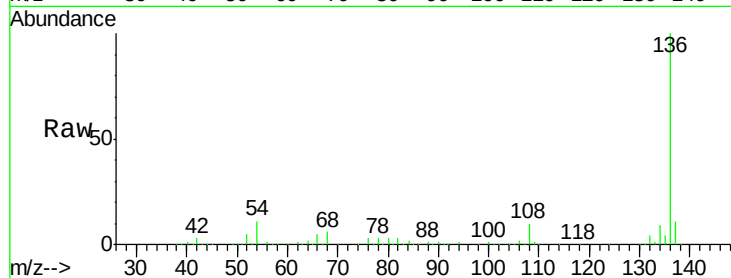




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

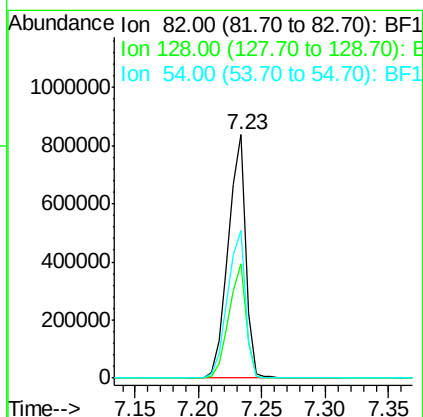
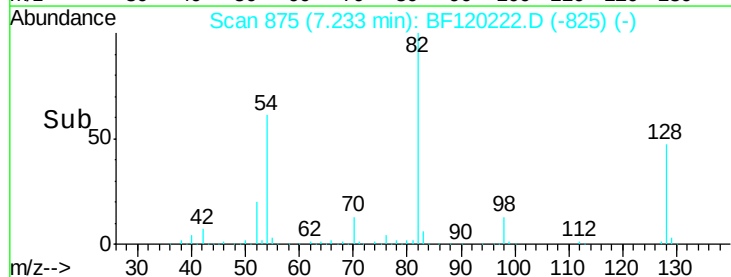
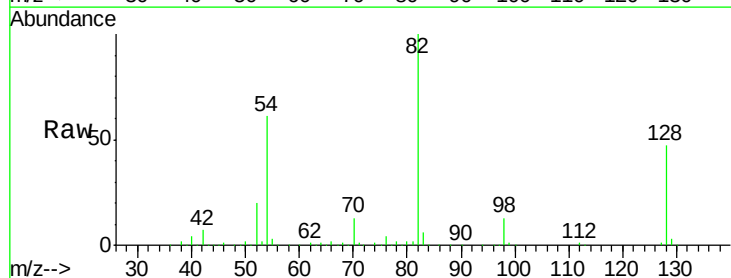
Instrument :
BNA_F
ClientSampleId :

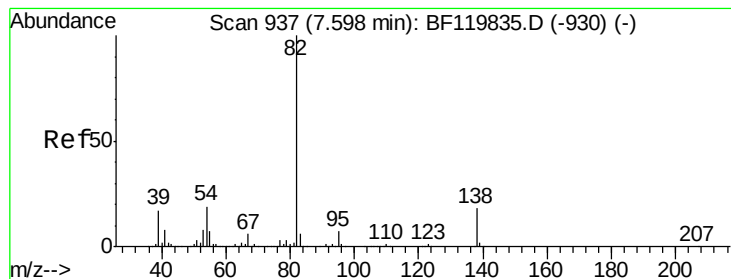
Tot Ion:136	Resp:	469511
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.7 13.1
54	10.5	9.1 13.7
68	6.0	4.6 6.8



#23
Nitrobenzene-d5
Concen: 88.521 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

Tgt Ion: 82	Resp:	803380
Ion	Ratio	Lower Upper
82	100	
128	47.0	36.3 54.5
54	60.8	50.6 75.8





#25

Isophorone

Concen: 45.920 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120222.D

Acq: 27 Apr 2020 16:43

Instrument :

BNA_F

ClientSampleId :

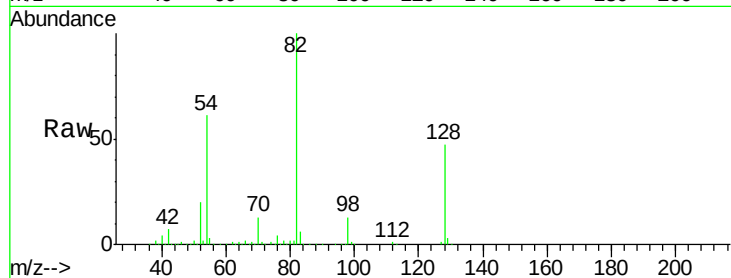
Tot Ion: 82 Resp: 803368

Ion Ratio Lower Upper

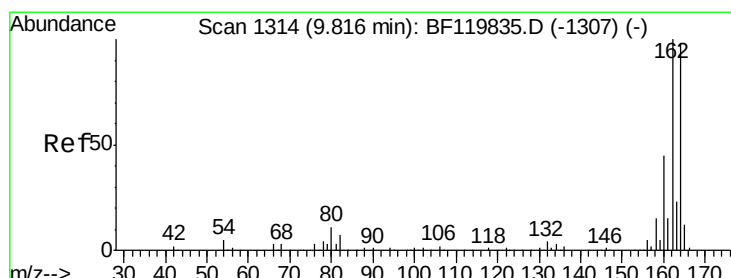
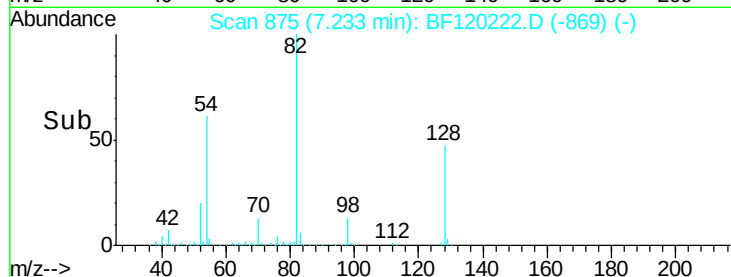
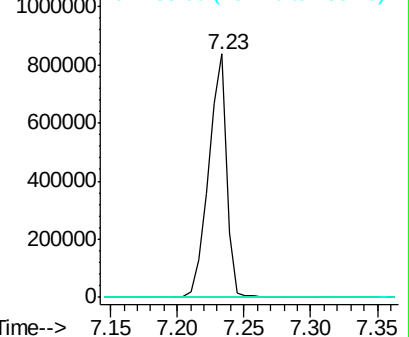
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



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: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120222.D

Acq: 27 Apr 2020 16:43

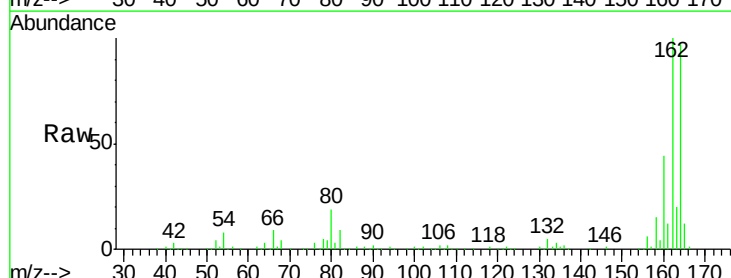
Tgt Ion: 164 Resp: 235725

Ion Ratio Lower Upper

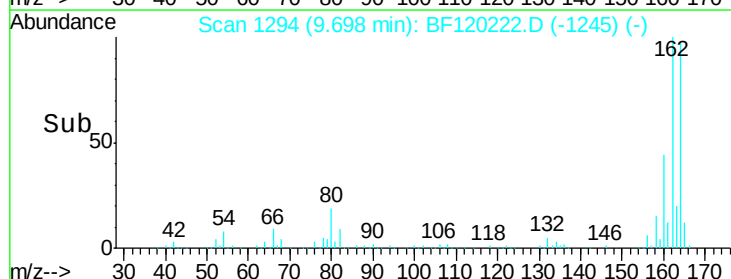
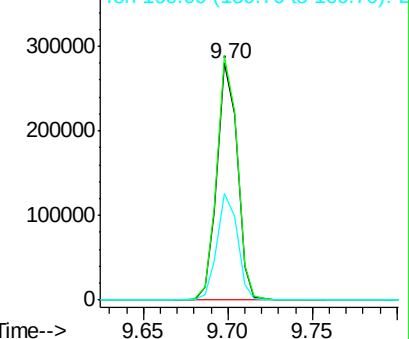
164 100

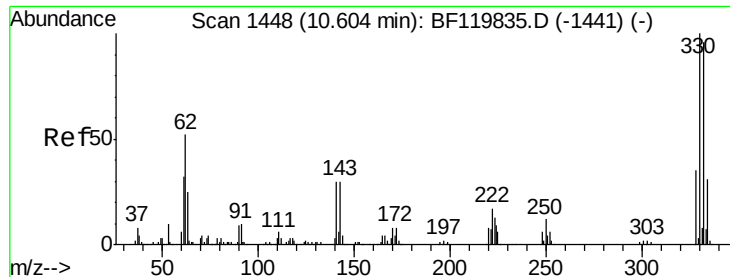
162 102.7 80.6 121.0

160 45.3 35.7 53.5



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

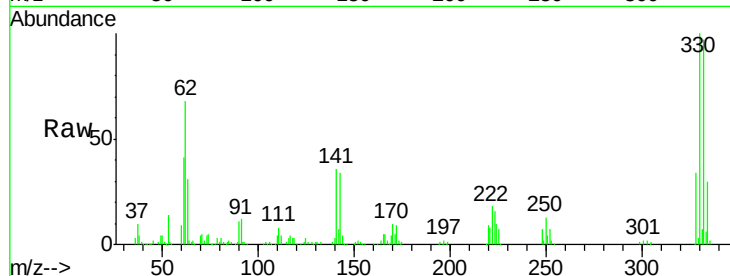




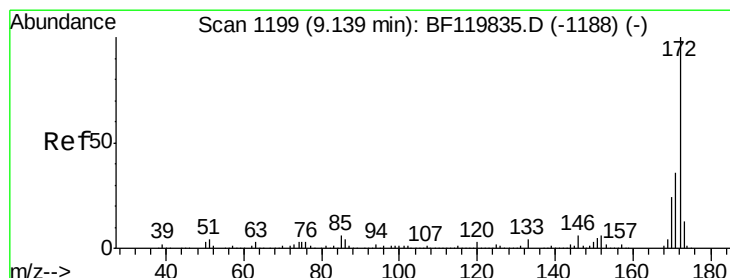
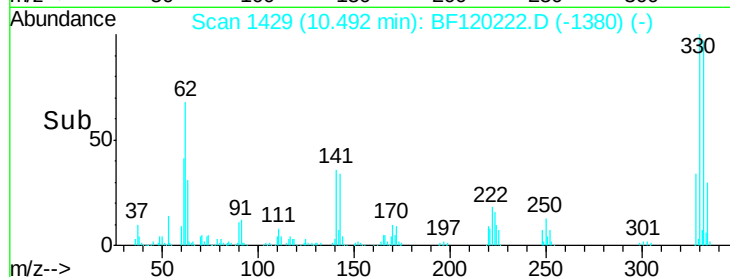
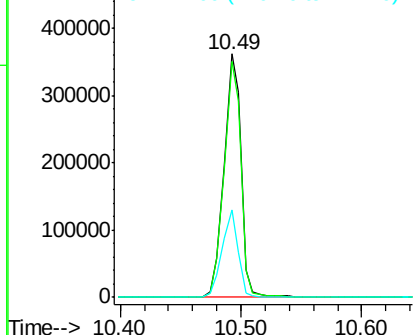
#42
 2,4,6-Tribromophenol
 Concen: 122.042 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120222.D
 Acq: 27 Apr 2020 16:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.7	113.5
141	33.9	25.4	38.0

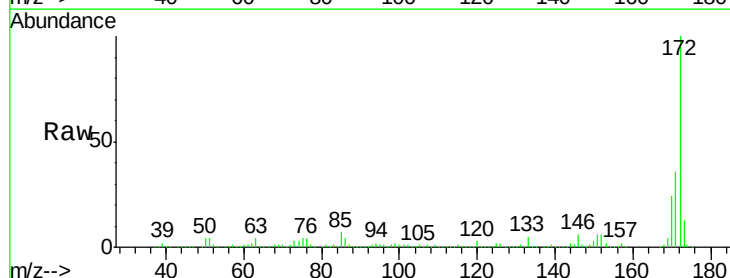


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

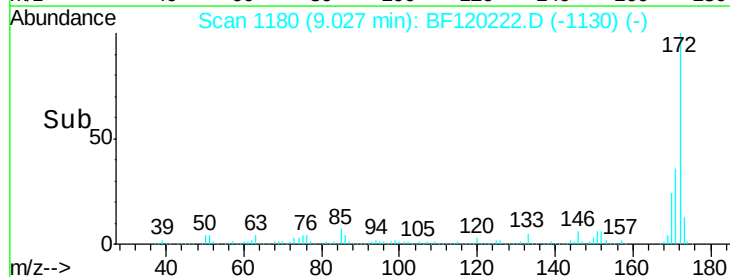
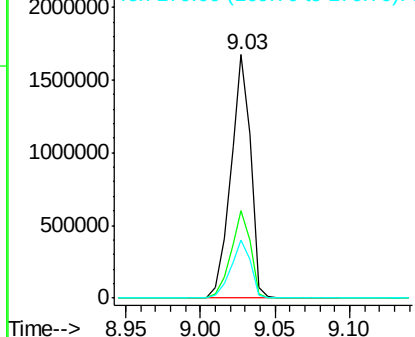


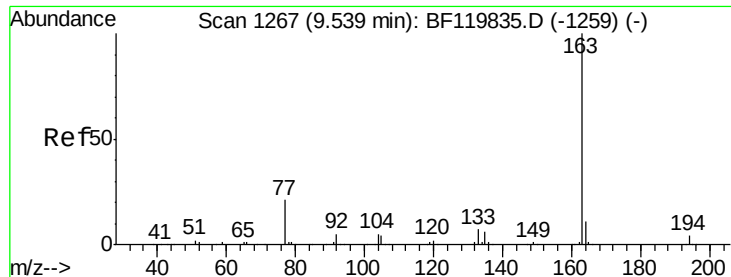
#45
 2-Fluorobiphenyl
 Concen: 94.490 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120222.D
 Acq: 27 Apr 2020 16:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.0	20.2	30.2



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

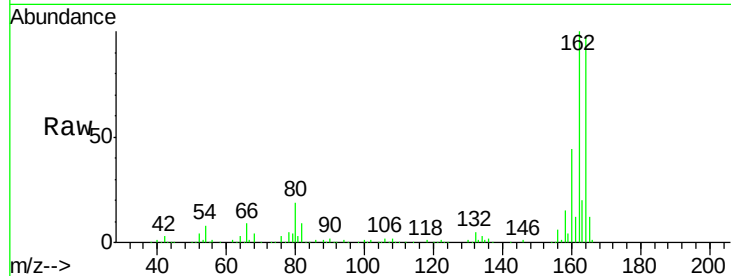




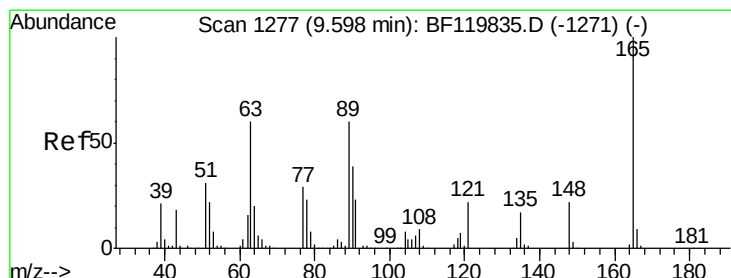
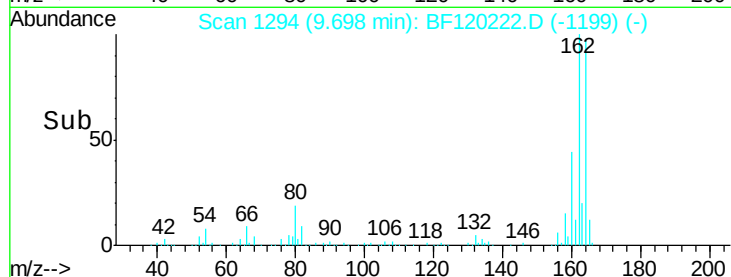
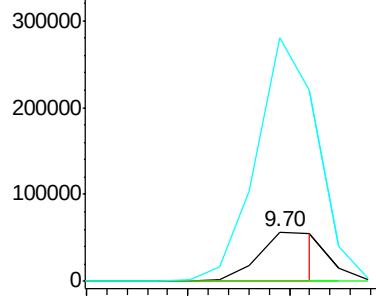
#50
Dimethylphthalate
Concen: 2.558 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.26 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 46635
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 495.8 8.2 12.2#

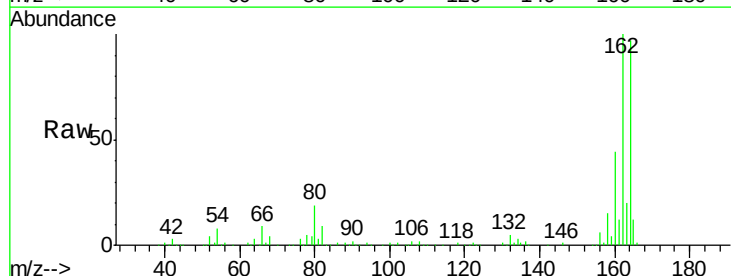


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

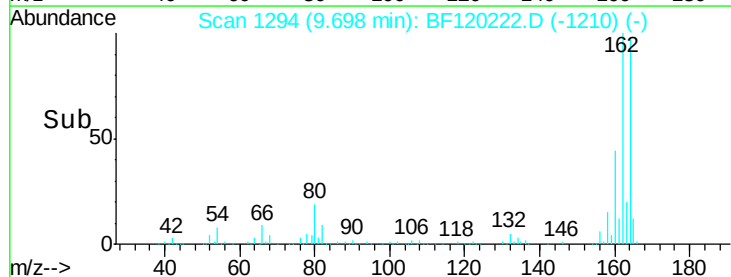
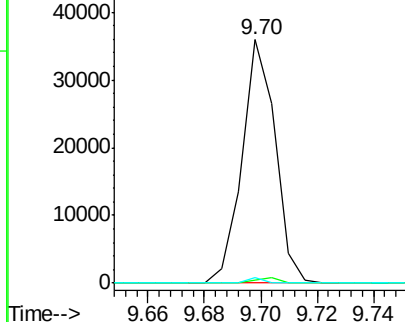


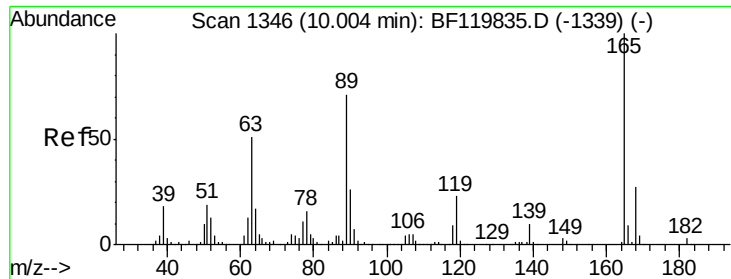
#51
2,6-Dinitrotoluene
Concen: 7.323 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.19 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

Tgt Ion:165 Resp: 29238
Ion Ratio Lower Upper
165 100
63 1.4 45.0 67.4#
89 2.3 41.5 62.3#



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

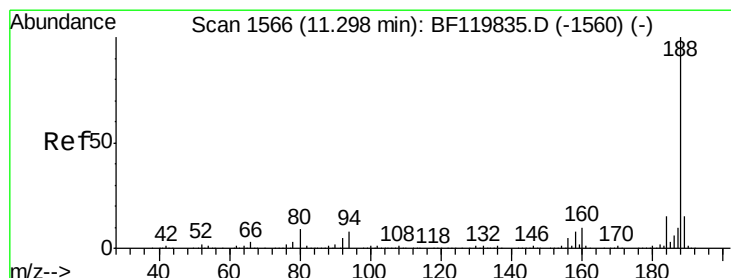
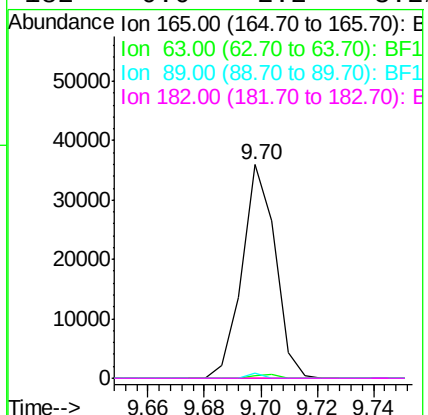
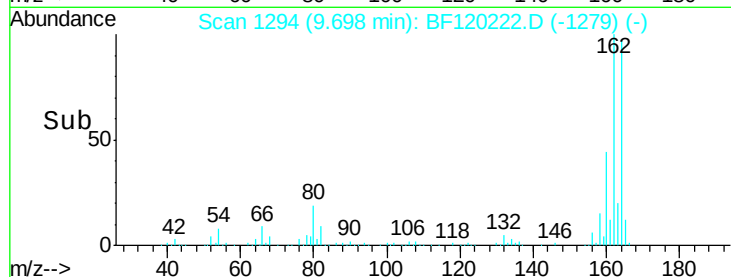
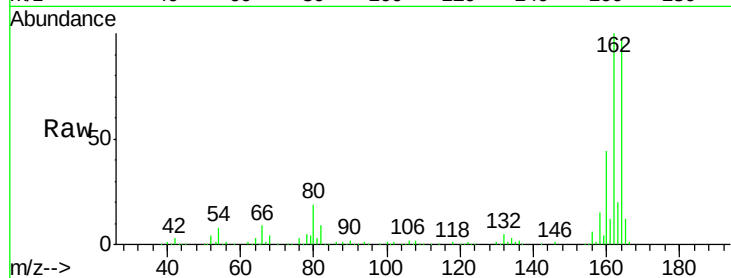




#57
 2,4-Dinitrotoluene
 Concen: 5.558 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF120222.D
 Acq: 27 Apr 2020 16:43

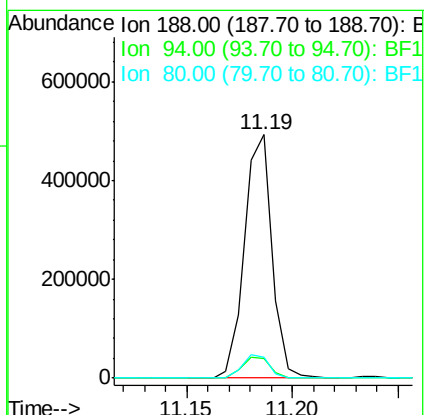
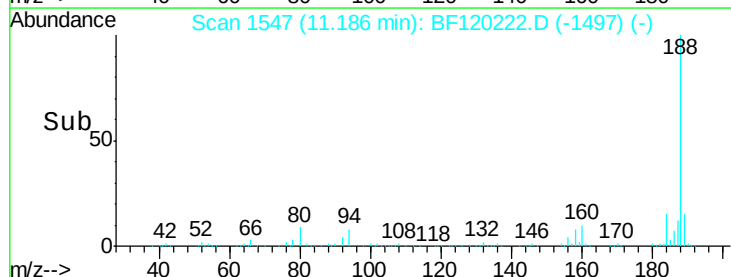
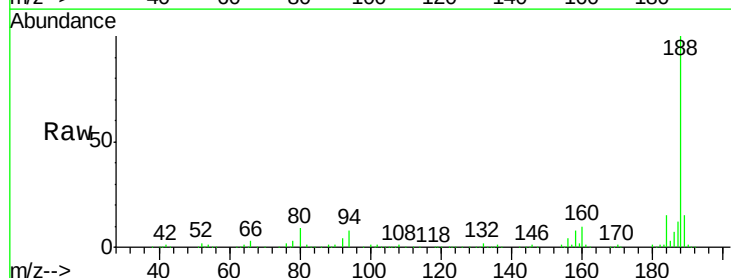
Instrument :
 BNA_F
 ClientSampleId :

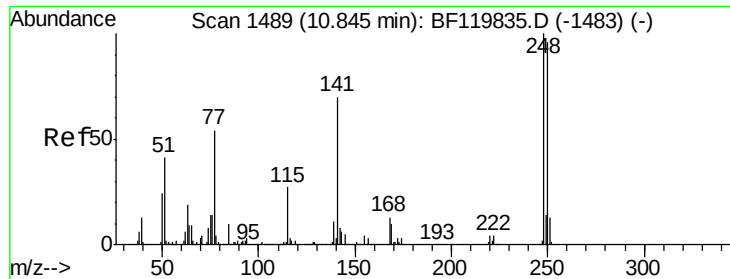
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.6	64.0#
89	2.3	61.0	91.4#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF120222.D
 Acq: 27 Apr 2020 16:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.5	11.3
80	8.7	9.0	13.4#

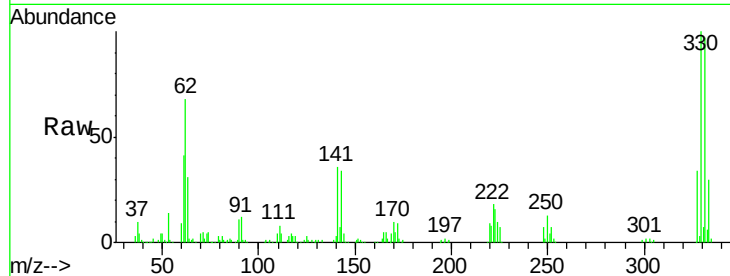




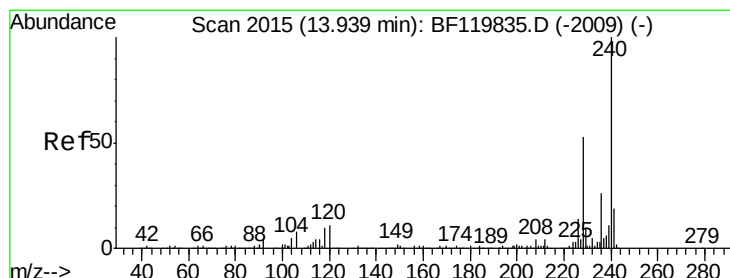
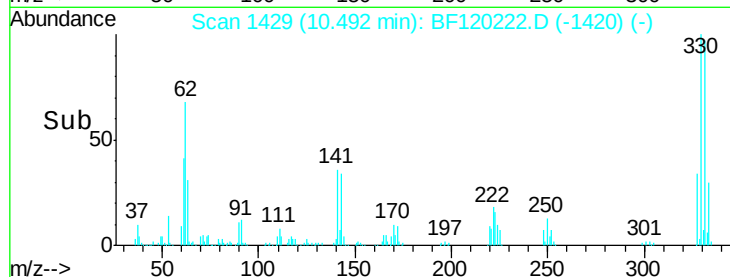
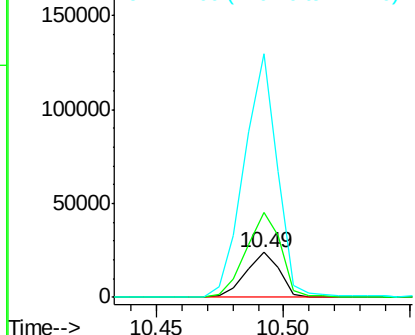
#67
 4-Bromophenyl-phenylether
 Concen: 4.018 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.25 min
 Lab File: BF120222.D
 Acq: 27 Apr 2020 16:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 22261
 Ion Ratio Lower Upper
 248 100
 250 189.4 77.3 115.9#
 141 541.3 58.6 87.8#

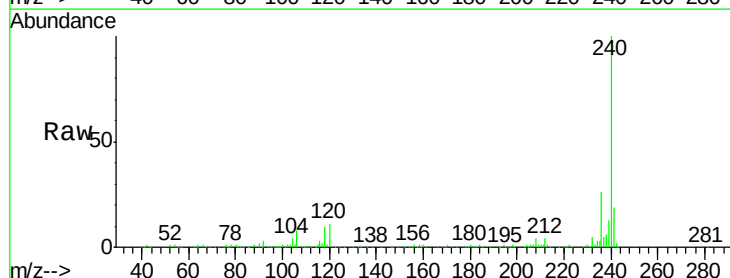


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

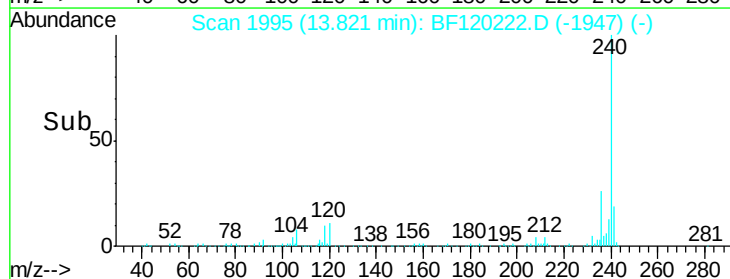
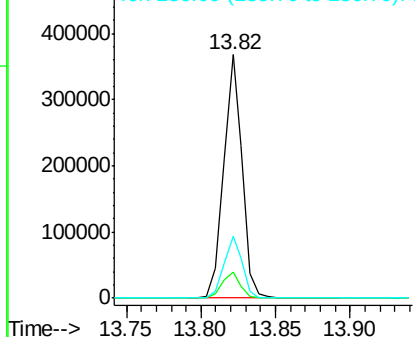


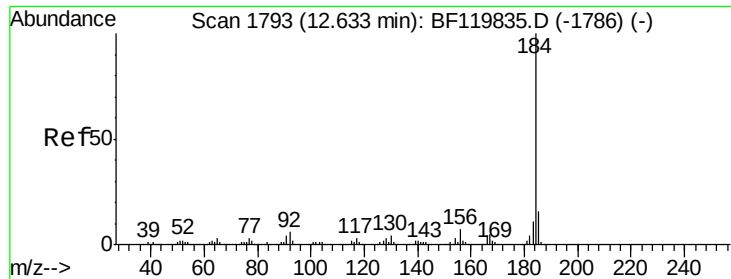
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF120222.D
 Acq: 27 Apr 2020 16:43

Tgt Ion:240 Resp: 321467
 Ion Ratio Lower Upper
 240 100
 120 10.6 10.6 15.8
 236 25.6 20.2 30.2



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





#77

Benzidine

Concen: 2.052 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.25 min

Lab File: BF120222.D

Acq: 27 Apr 2020 16:43

Instrument :

BNA_F

ClientSampleId :

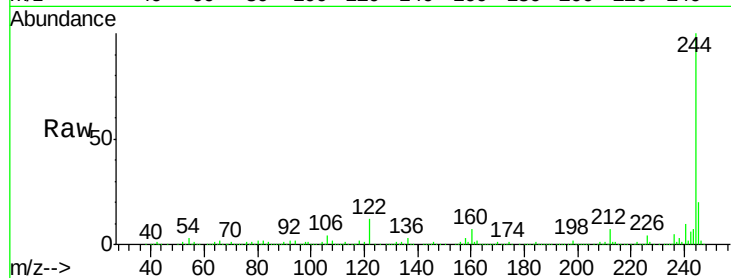
Tot Ion:184 Resp: 22302

Ion Ratio Lower Upper

184 100

185 12.1 12.3 18.5#

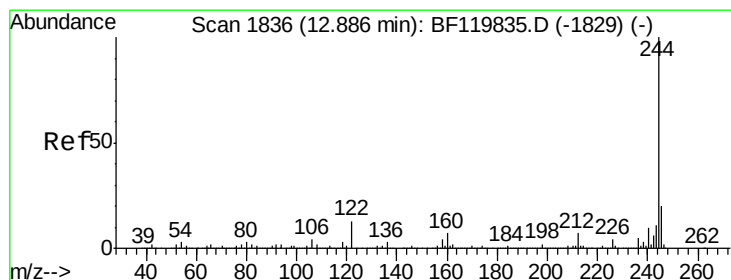
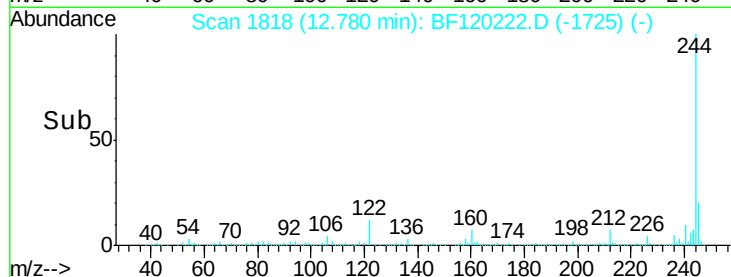
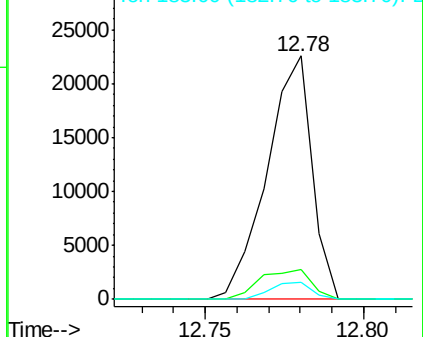
183 6.8 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.990 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120222.D

Acq: 27 Apr 2020 16:43

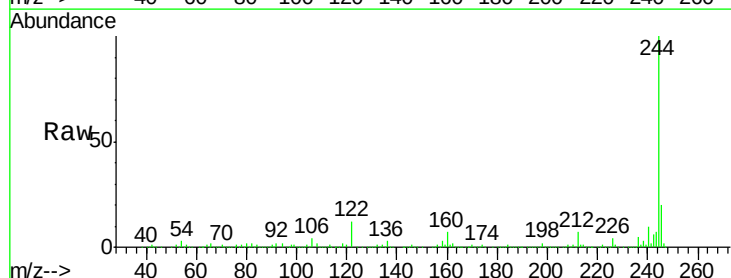
Tgt Ion:244 Resp: 1700127

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

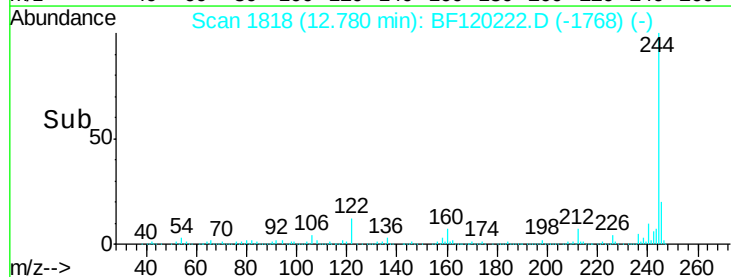
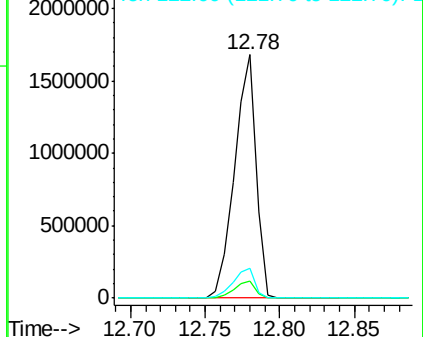
122 12.1 10.3 15.5

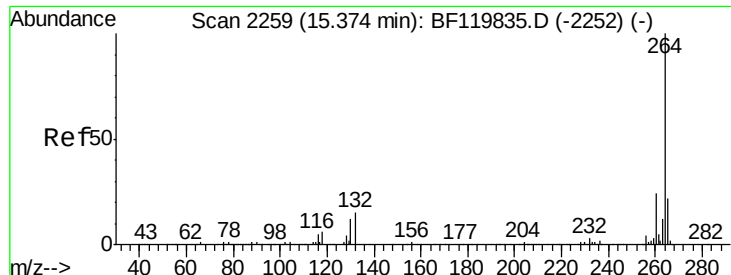


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

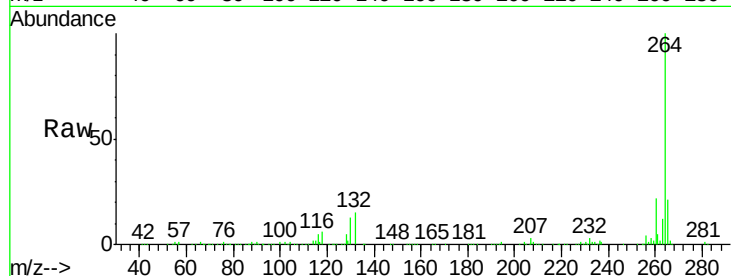




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120222.D
Acq: 27 Apr 2020 16:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.7	28.1
265	20.8	17.7	26.5



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

