

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042720\
 Data File : BF120228.D
 Acq On : 27 Apr 2020 19:26
 Operator : MA/SJ
 Sample : L2405-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 01:13:17 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

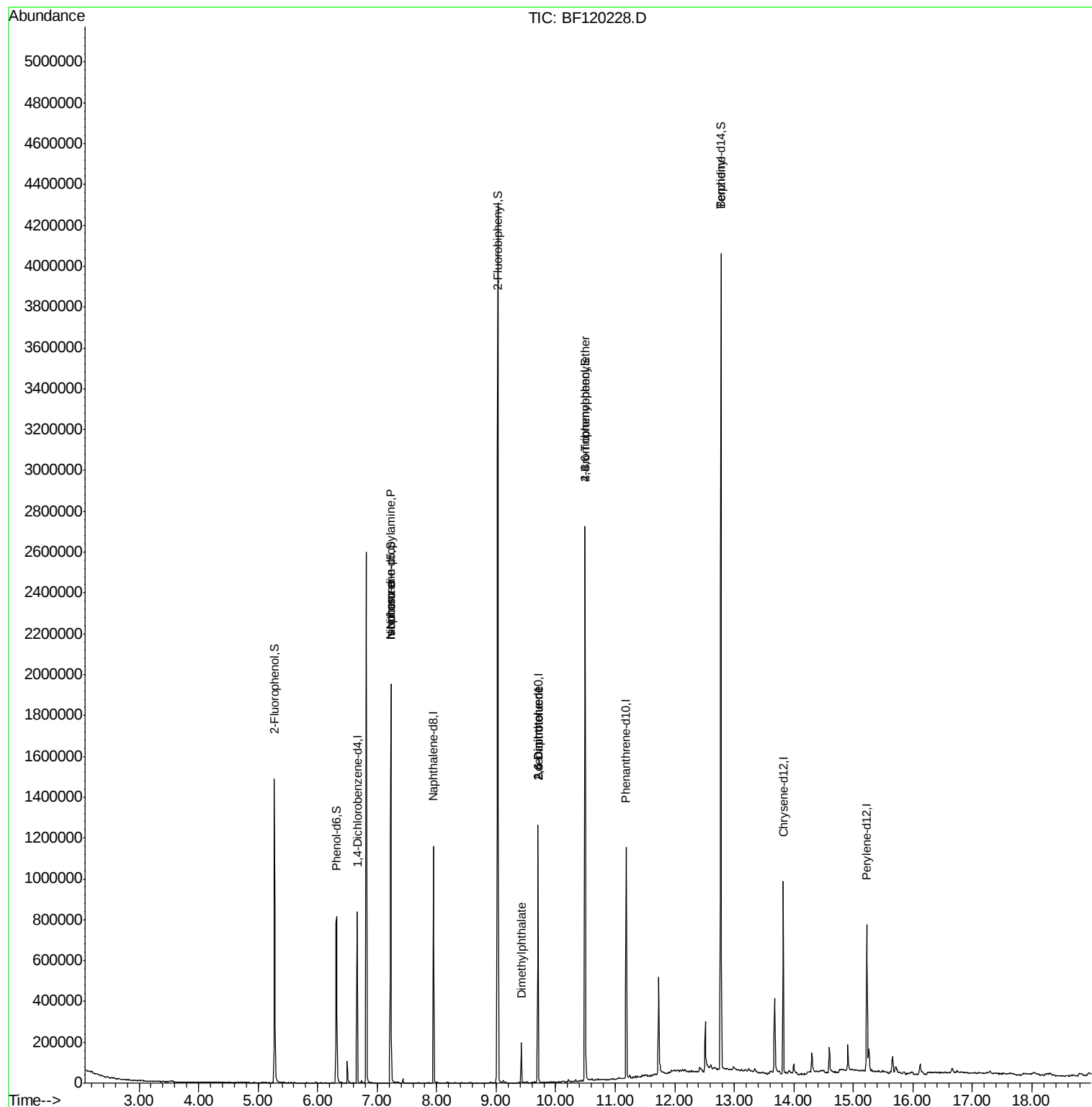
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	125422	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	477139	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	238187	20.00	ng	-0.01
64) Phenanthrene-d10	11.18	188	438517	20.00	ng	-0.01
76) Chrysene-d12	13.82	240	297928	20.00	ng	-0.02
87) Perylene-d12	15.23	264	294948	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	384957	53.04	ng	0.00
7) Phenol-d6	6.32	99	289887	31.00	ng	-0.01
23) Nitrobenzene-d5	7.23	82	687313	74.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	298659	102.41	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	1300846	77.54	ng	0.00
79) Terphenyl-d14	12.78	244	1568162	88.57	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	402	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	89588	14.898 ng	#	77
25) Isophorone	7.23	82	687306	38.658 ng	#	65
50) Dimethylphthalate	9.42	163	71386	3.875 ng	#	99
51) 2,6-Dinitrotoluene	9.70	165	30769	7.627 ng	#	27
57) 2,4-Dinitrotoluene	9.70	165	30769	5.789 ng	#	20
67) 4-Bromophenyl-phenylether	10.49	248	18851	3.457 ng	#	1
77) Benzidine	12.77	184	20401	2.026 ng	#	92

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

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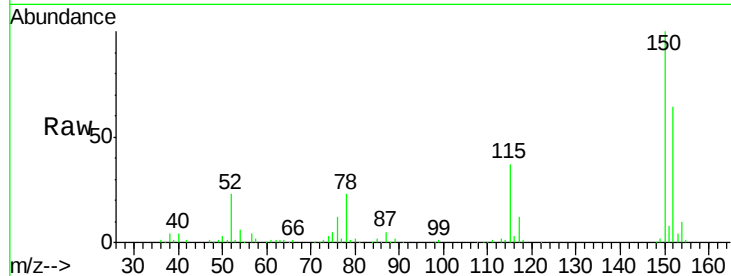


#1

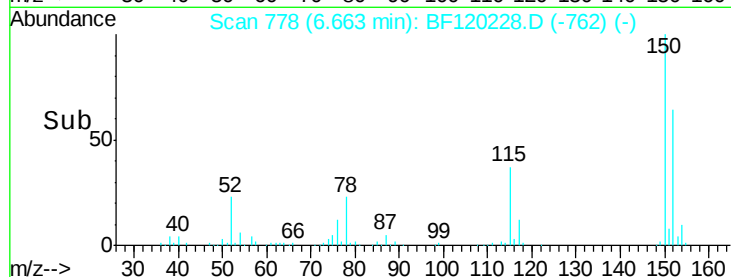
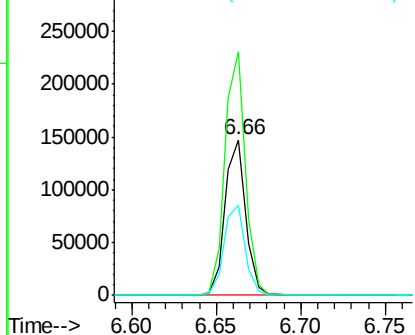
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125422
Ion Ratio Lower Upper
152 100
150 156.8 124.5 186.7
115 58.2 49.6 74.4



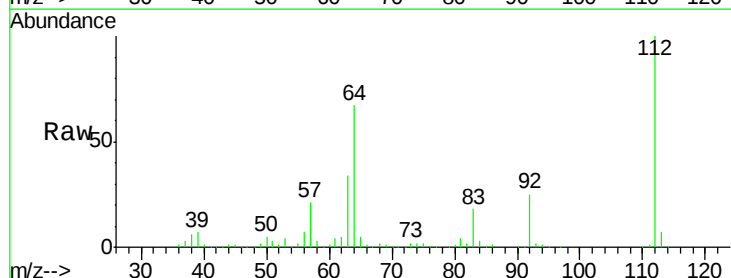
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



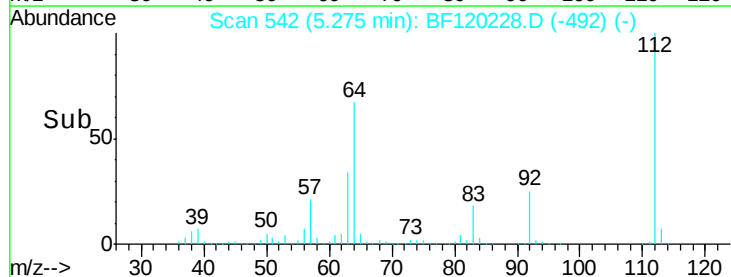
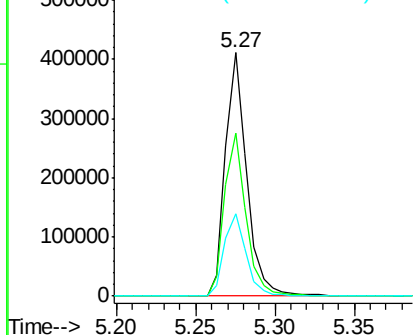
#5

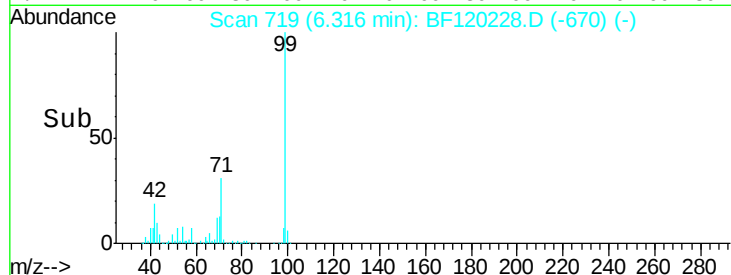
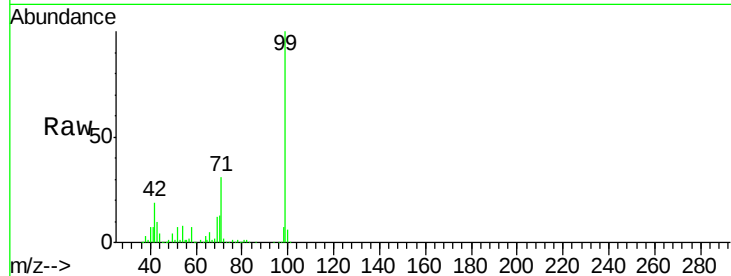
2-Fluorophenol
Concen: 53.043 ng
RT: 5.27 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Tgt Ion:112 Resp: 384957
Ion Ratio Lower Upper
112 100
64 67.1 56.7 85.1
63 34.0 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: 30.999 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120228.D

Acq: 27 Apr 2020 19:26

Instrument :

BNA_F

ClientSampleId :

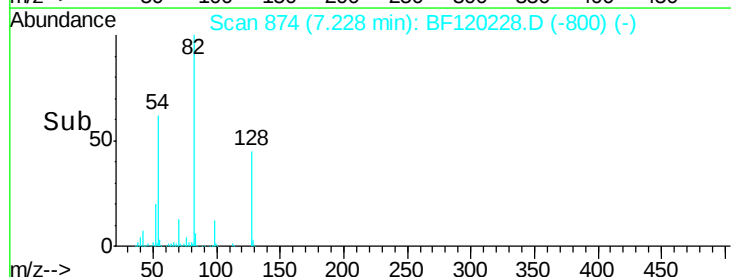
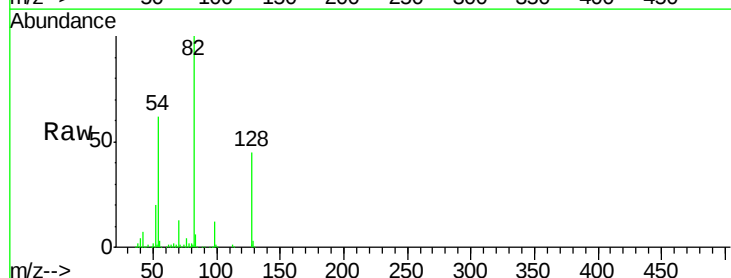
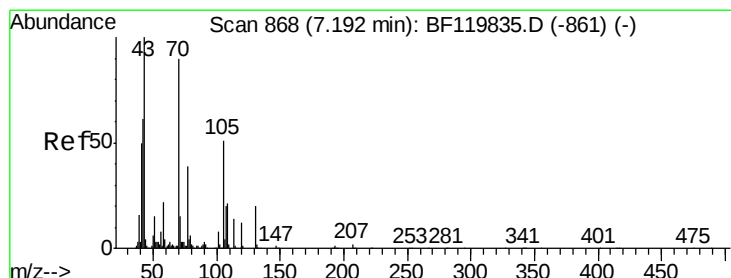
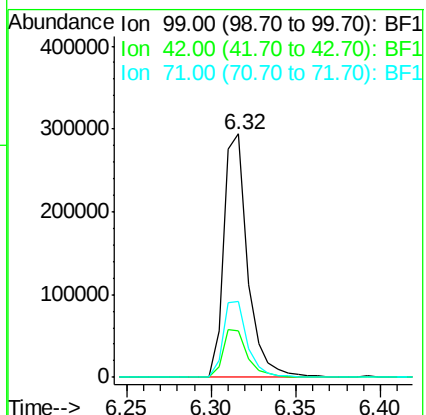
Tot Ion: 99 Resp: 289887

Ion Ratio Lower Upper

99 100

42 19.2 16.6 24.8

71 31.3 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.898 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF120228.D

Acq: 27 Apr 2020 19:26

Tgt Ion: 70 Resp: 89588

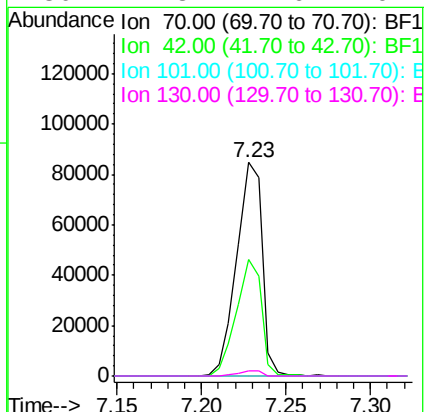
Ion Ratio Lower Upper

70 100

42 54.4 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

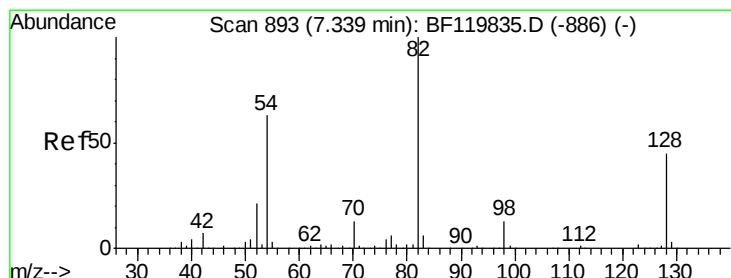
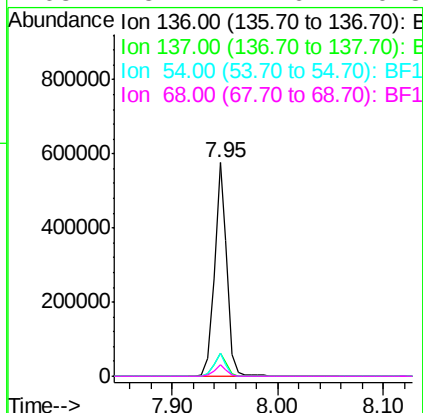
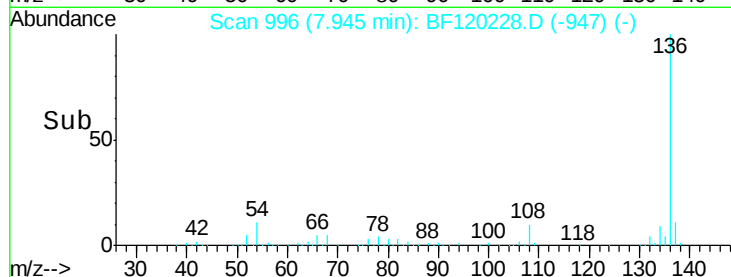
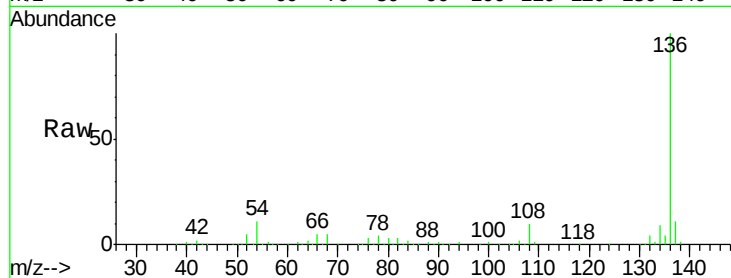




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

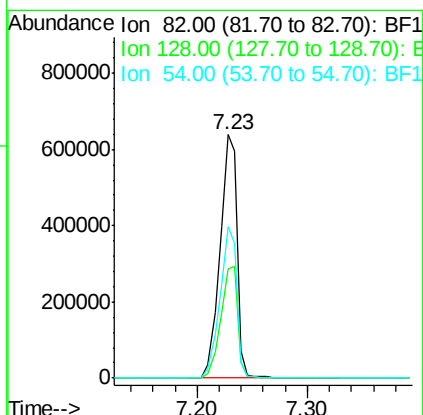
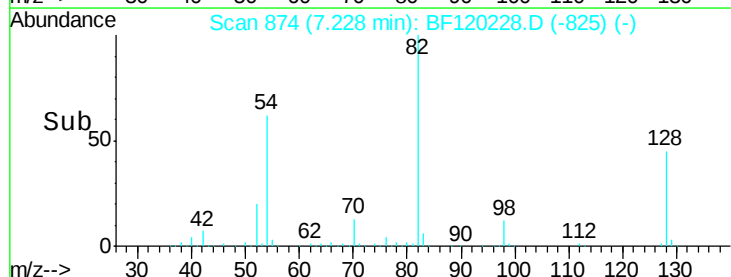
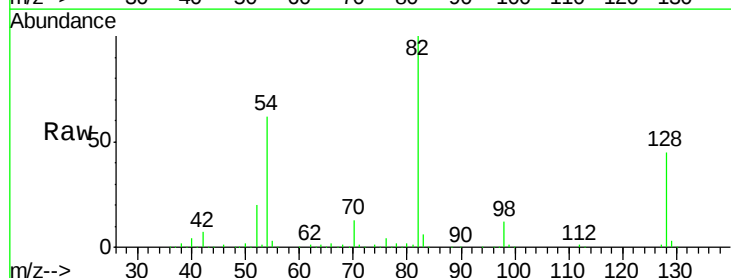
Instrument :
BNA_F
ClientSampleId :

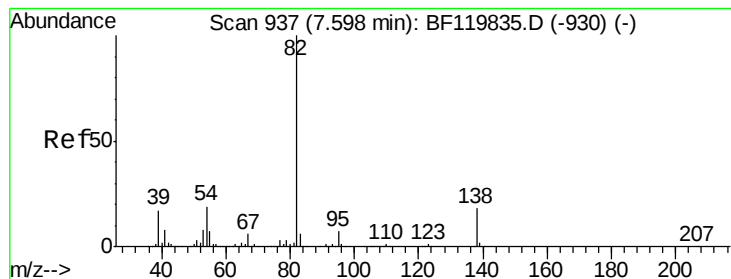
Tot Ion:136	Resp:	477139
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	10.5	9.1 13.7
68	5.4	4.6 6.8



#23
Nitrobenzene-d5
Concen: 74.522 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Tgt Ion: 82	Resp:	687313
Ion	Ratio	Lower Upper
82	100	
128	44.7	36.3 54.5
54	62.4	50.6 75.8





#25

Isophorone

Concen: 38.658 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF120228.D

Acq: 27 Apr 2020 19:26

Instrument :

BNA_F

ClientSampled :

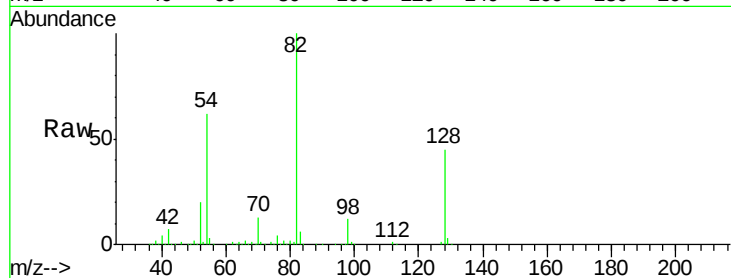
Tot Ion: 82 Resp: 687306

Ion Ratio Lower Upper

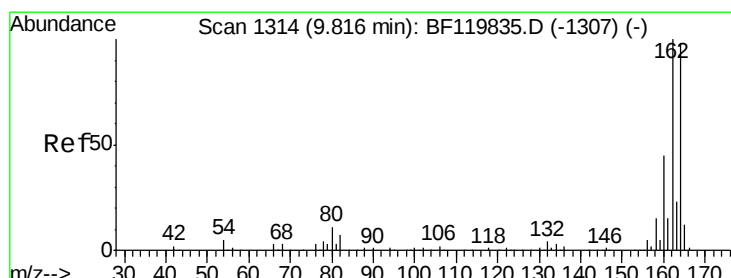
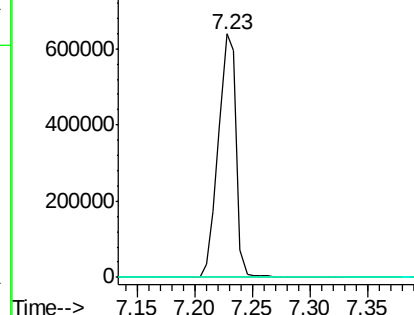
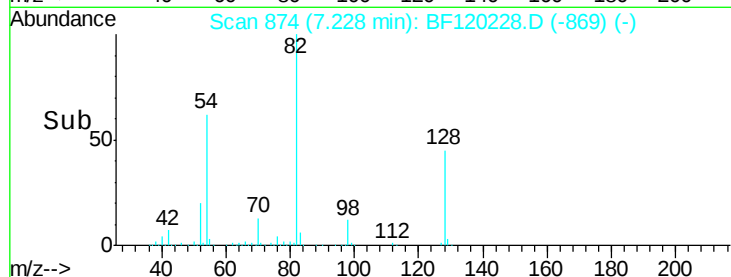
82 100

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: BF120228.D

Acq: 27 Apr 2020 19:26

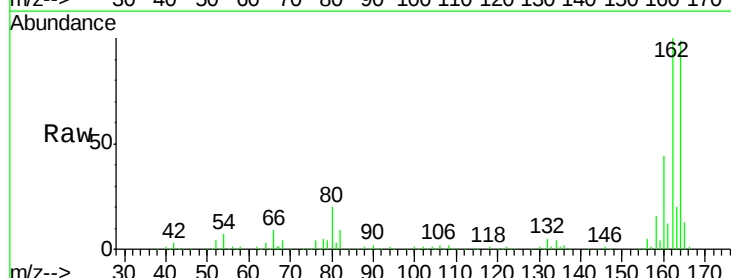
Tgt Ion: 164 Resp: 238187

Ion Ratio Lower Upper

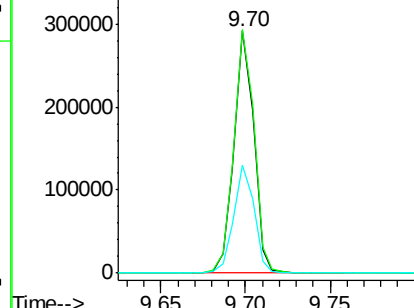
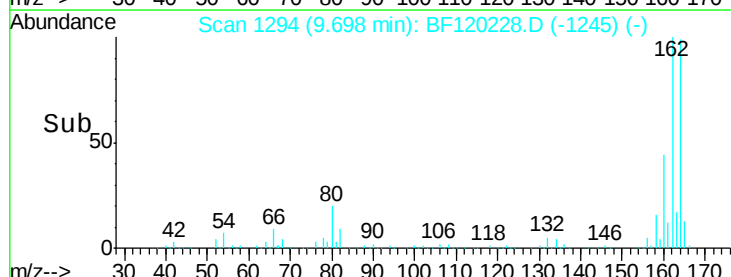
164 100

162 100.6 80.6 121.0

160 44.4 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

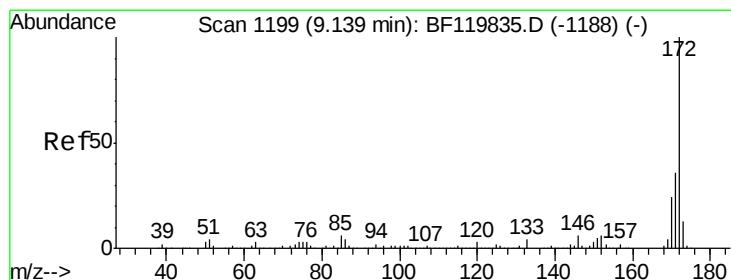
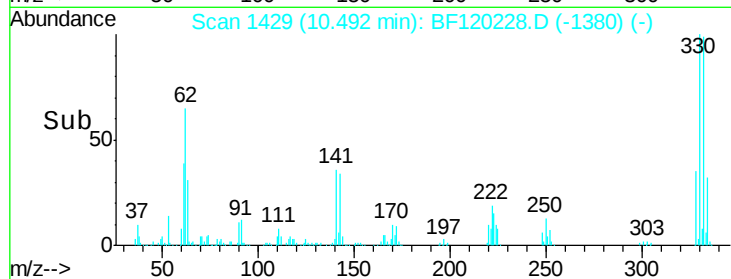
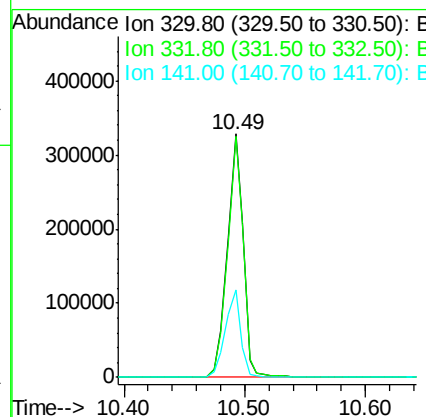
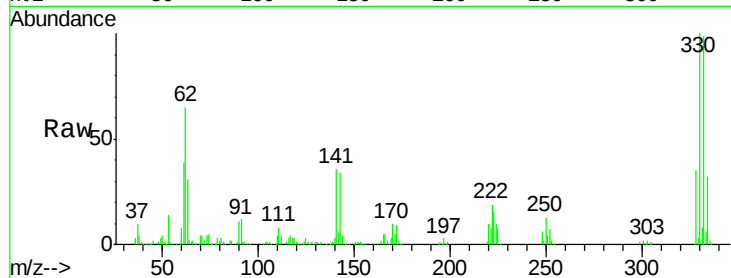




#42
 2,4,6-Tribromophenol
 Concen: 102.413 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120228.D
 Acq: 27 Apr 2020 19:26

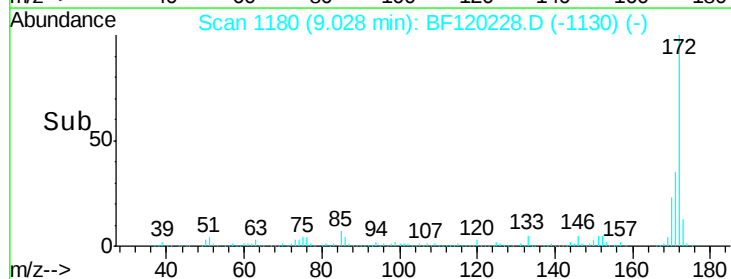
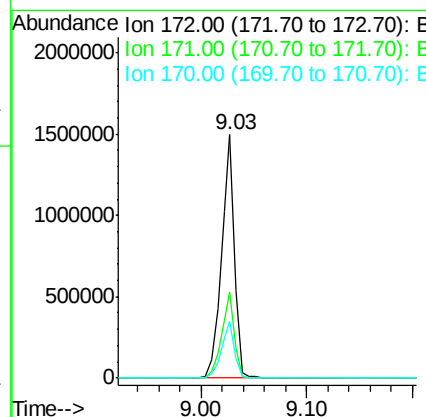
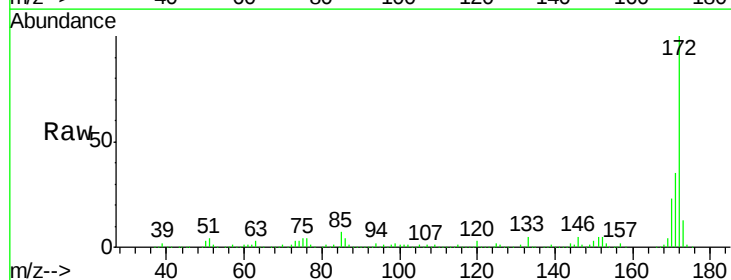
Instrument :
 BNA_F
 ClientSampleId :

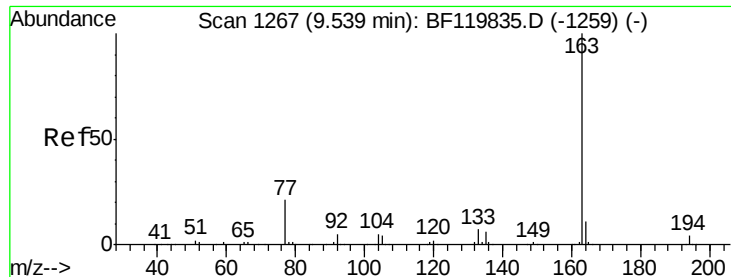
Tot Ion:330 Resp: 298659
 Ion Ratio Lower Upper
 330 100
 332 98.5 75.7 113.5
 141 35.0 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 77.541 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120228.D
 Acq: 27 Apr 2020 19:26

Tgt Ion:172 Resp: 1300846
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.5 20.2 30.2

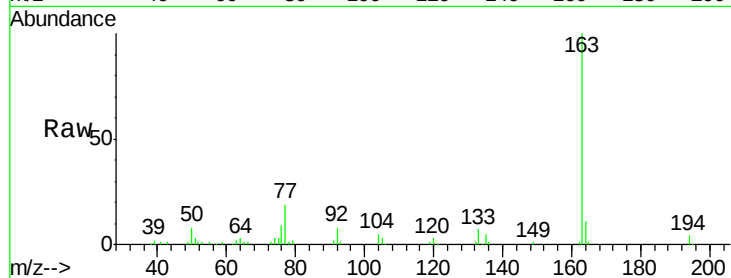




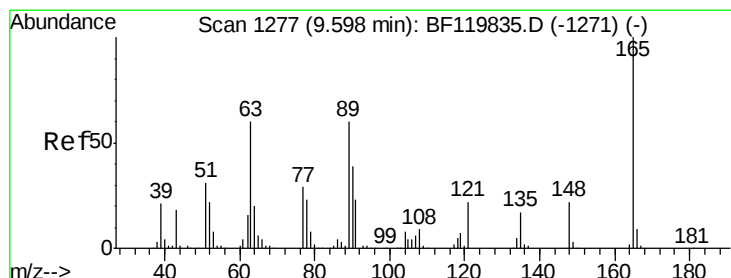
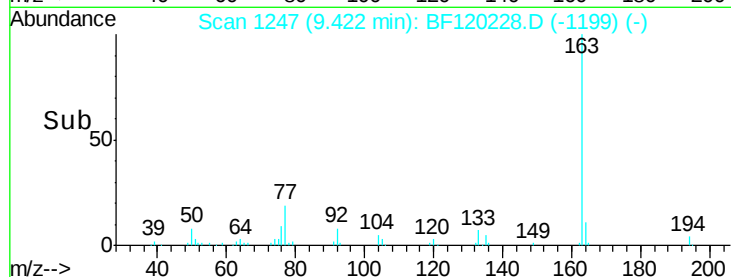
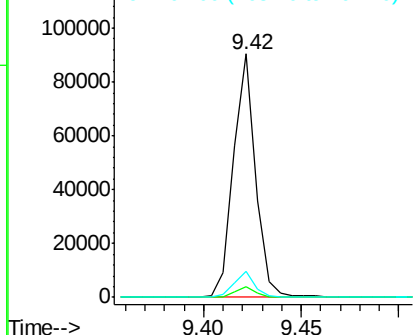
#50
Dimethylphthalate
Concen: 3.875 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 71386
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.7 8.2 12.2

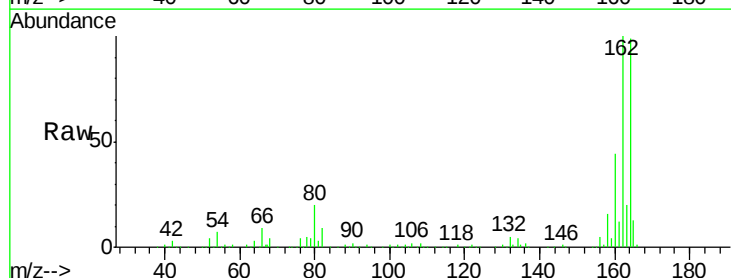


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

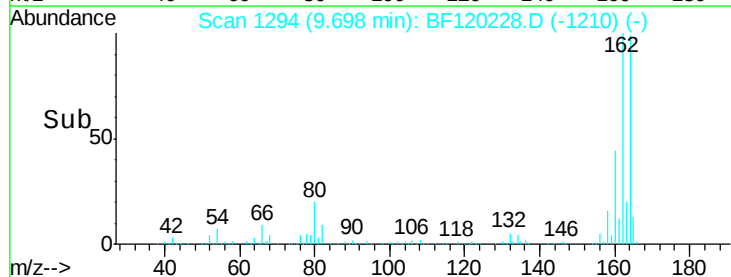
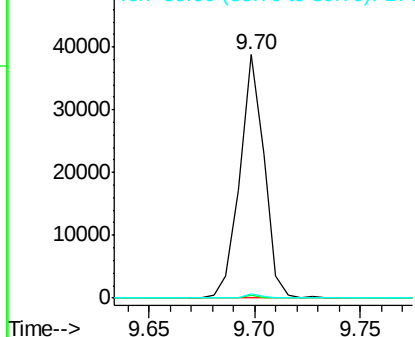


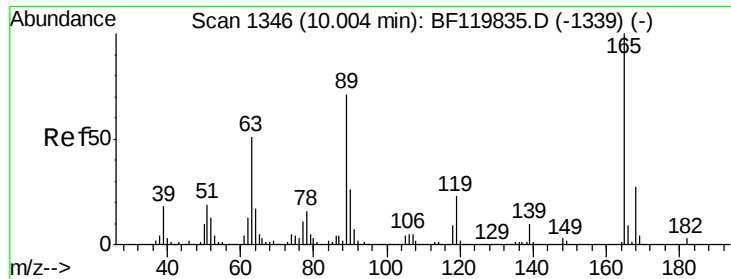
#51
2,6-Dinitrotoluene
Concen: 7.627 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.19 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Tgt Ion:165 Resp: 30769
Ion Ratio Lower Upper
165 100
63 1.0 45.0 67.4#
89 2.0 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

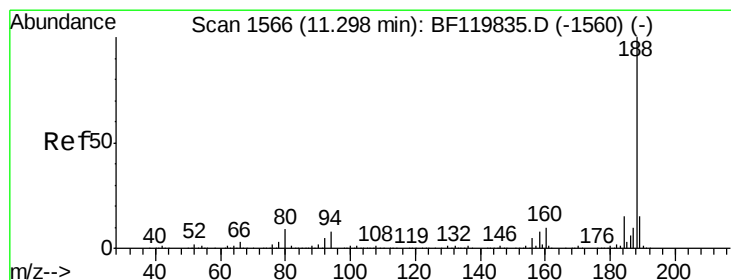
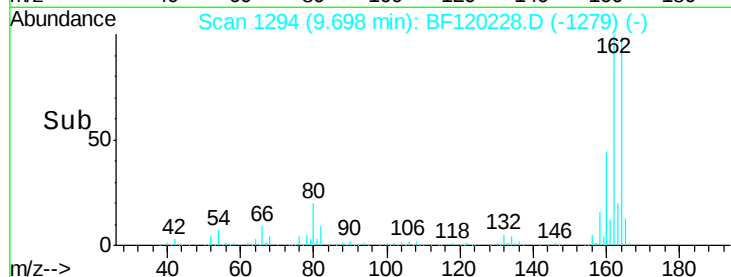
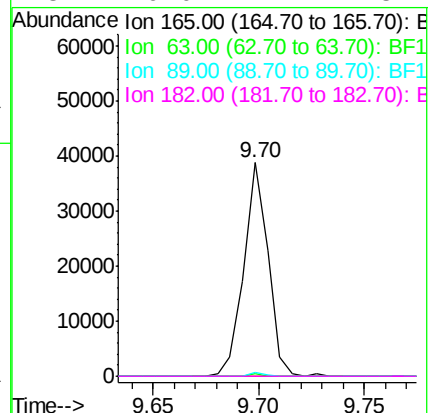
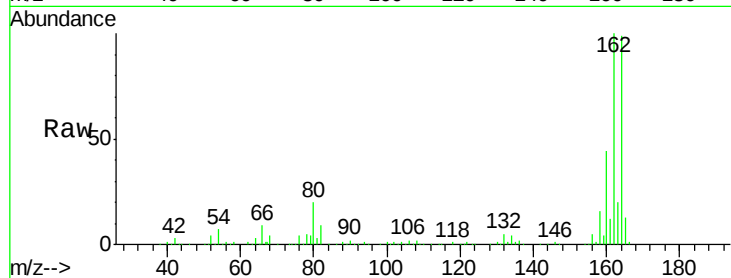




#57
 2,4-Dinitrotoluene
 Concen: 5.789 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF120228.D
 Acq: 27 Apr 2020 19:26

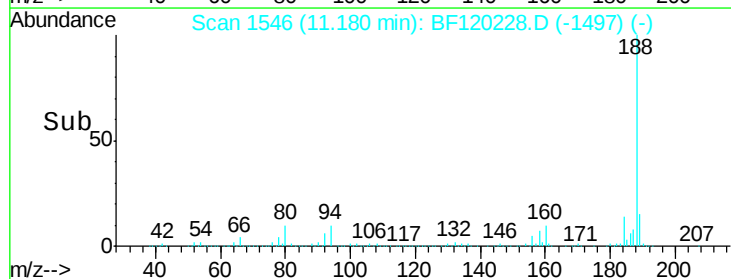
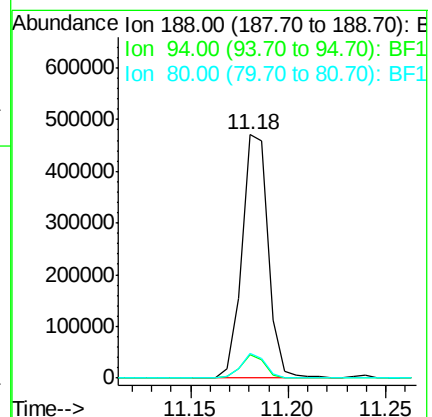
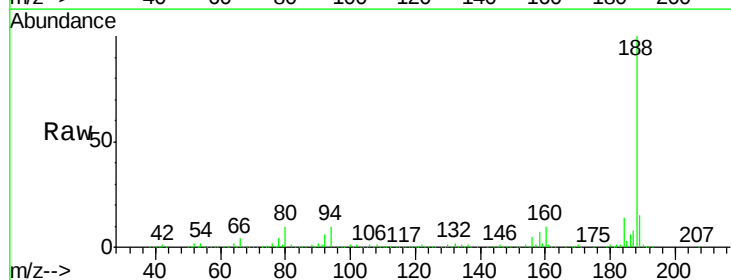
Instrument :
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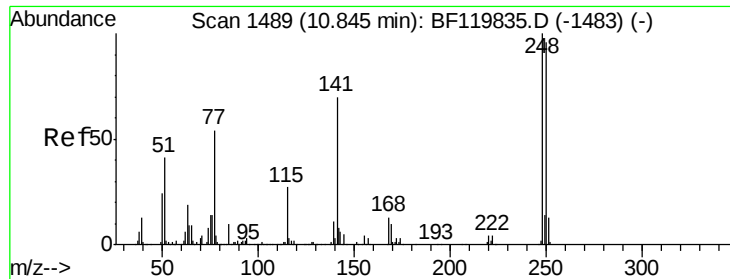
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.6	64.0#
89	2.0	61.0	91.4#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF120228.D
 Acq: 27 Apr 2020 19:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.2	9.0	13.4

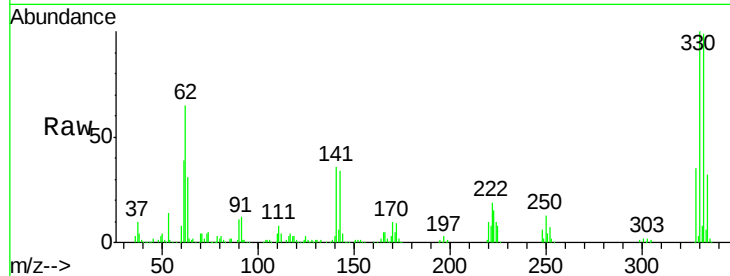




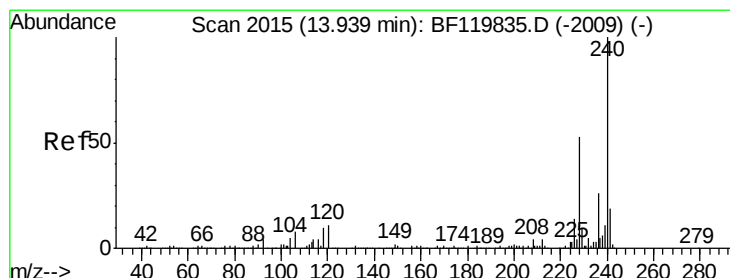
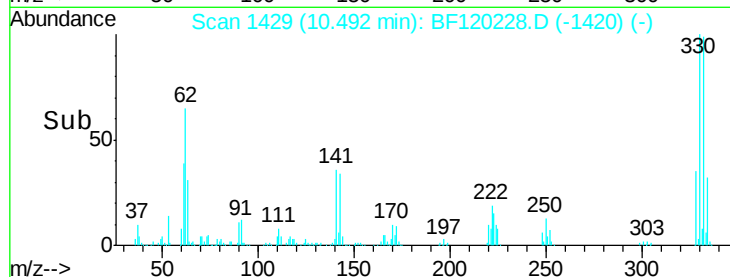
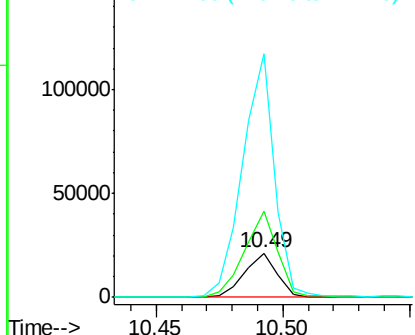
#67
4-Bromophenyl-phenylether
Concen: 3.457 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.25 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.7	77.3	115.9#
141	552.4	58.6	87.8#

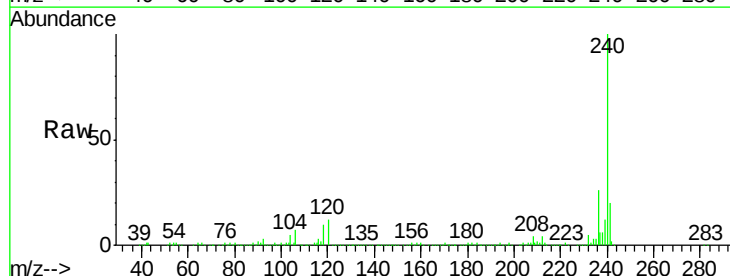


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

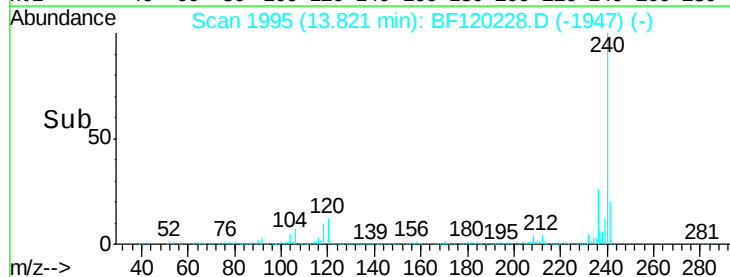
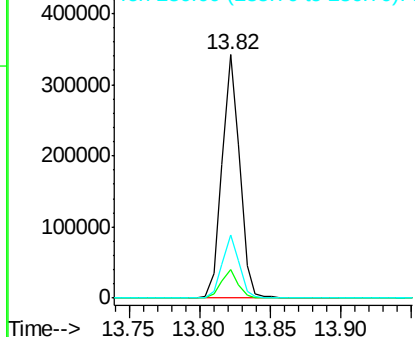


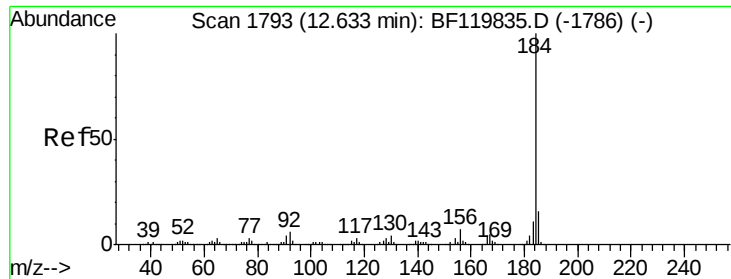
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF120228.D
Acq: 27 Apr 2020 19:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.6	15.8
236	26.0	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: 2.026 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.24 min

Lab File: BF120228.D

Acq: 27 Apr 2020 19:26

Instrument :

BNA_F

ClientSampleId :

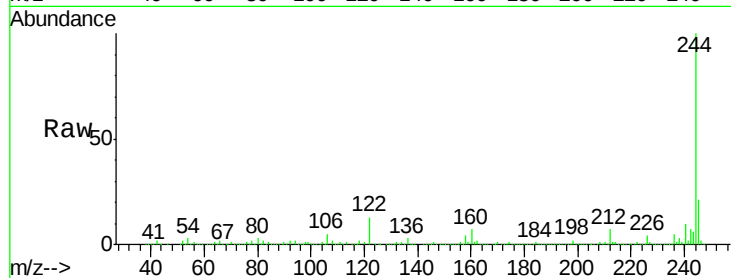
Tot Ion:184 Resp: 20401

Ion Ratio Lower Upper

184 100

185 16.8 12.3 18.5

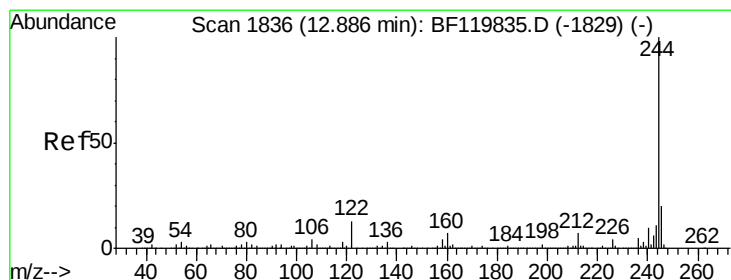
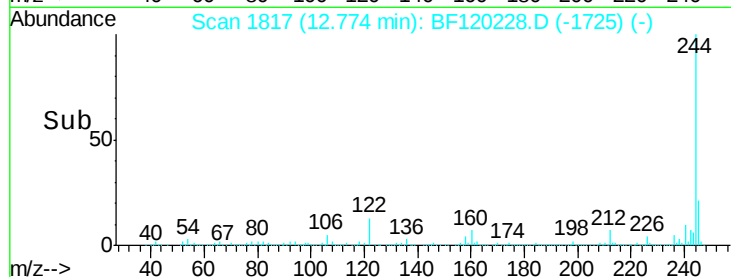
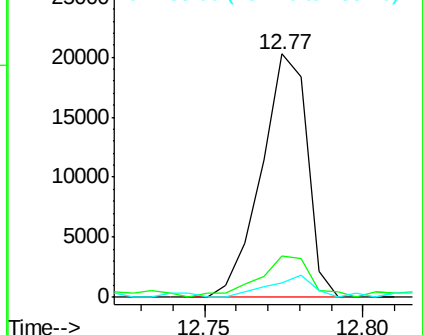
183 5.7 9.0 13.6#



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: 88.568 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120228.D

Acq: 27 Apr 2020 19:26

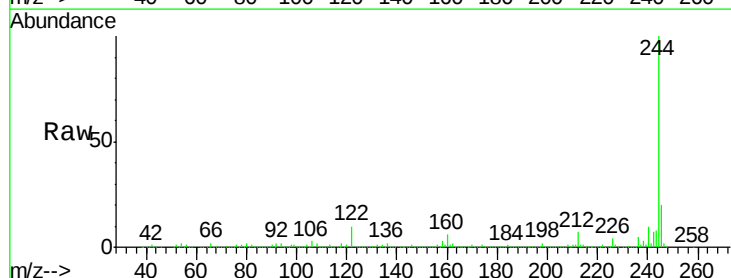
Tgt Ion:244 Resp: 1568162

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

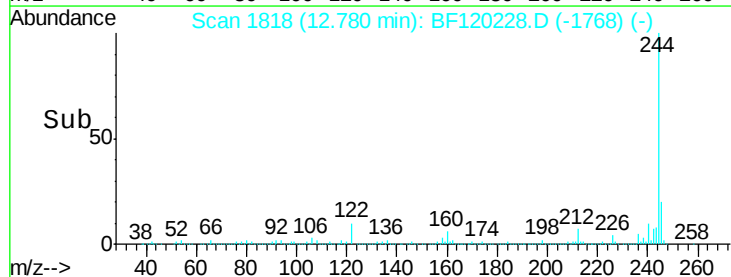
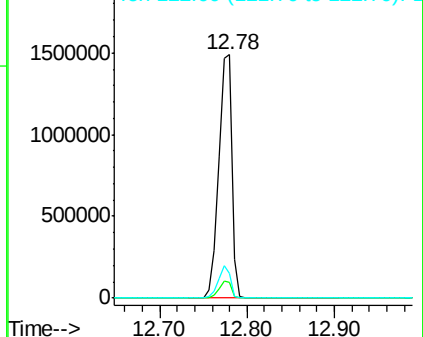
122 10.2 10.3 15.5#

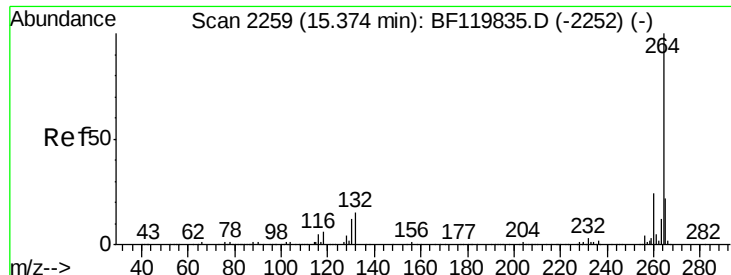


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

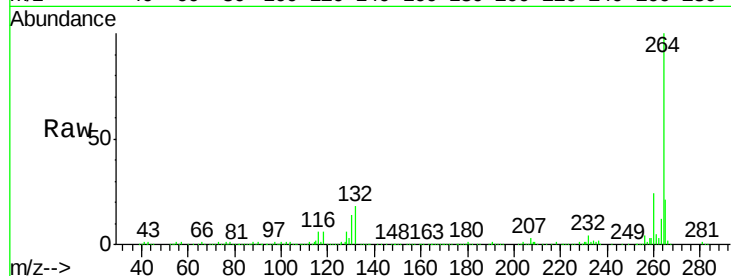




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120228.D
 Acq: 27 Apr 2020 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.1	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

