

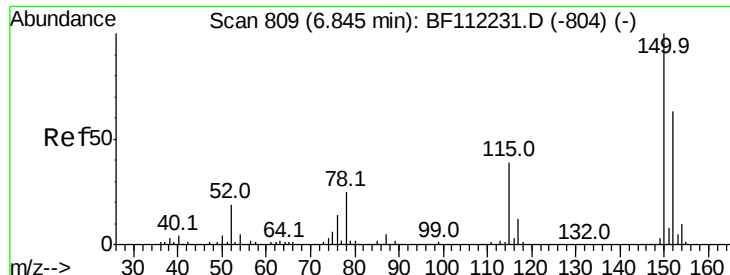
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112694.D
 Acq On : 25 Feb 2019 16:03
 Operator : JU/SJ
 Sample : K1596-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Quant Time: Feb 26 00:07:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	42245	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	161368	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	80120	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	149256	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	108146	20.00	ng	-0.02
87) Perylene-d12	15.46	264	96653	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	298827	150.25	ng	-0.02
7) Phenol-d6	6.49	99	337414	122.09	ng	0.00
23) Nitrobenzene-d5	7.38	82	272097	97.16	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	125299	134.36	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	552303	97.50	ng	-0.04
79) Terphenyl-d14	12.91	244	567681	98.87	ng	-0.04
Target Compounds				Qvalue		
9) Benzaldehyde	6.60	77	8896	6.159	ng	81
19) n-Nitroso-di-n-propylamine	7.38	70	36396	19.099	ng	# 76
25) Isophorone	7.38	82	272097	61.932	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	9756	6.998	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	9756	5.497	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	7276	4.145	ng	# 1
77) Benizidine	12.91	184	8201	2.755	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.03 min

Lab File: BF112694.D

Acq: 25 Feb 2019 16:03

Instrument :

BNA_F

ClientSampled :

COMP-13

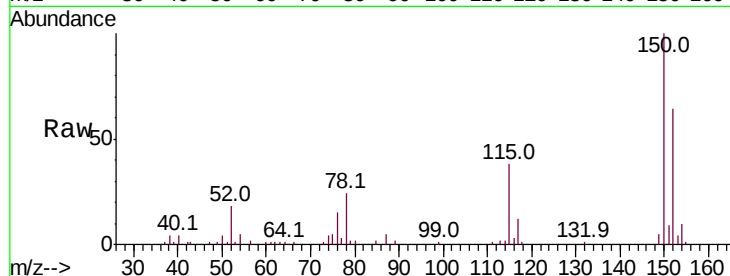
Tot Ion:152 Resp: 42245

Ion Ratio Lower Upper

152 100

150 155.6 127.4 191.0

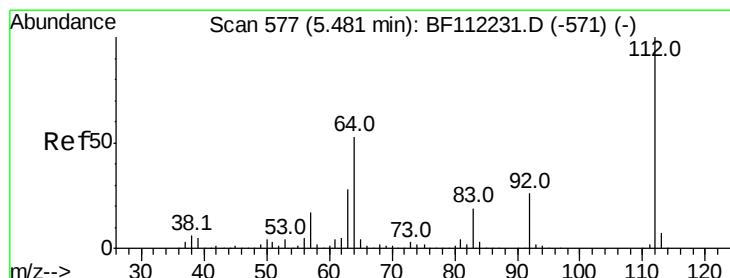
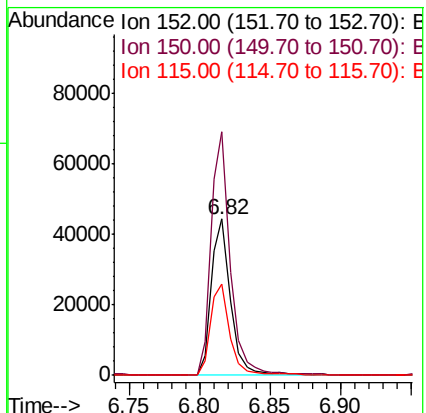
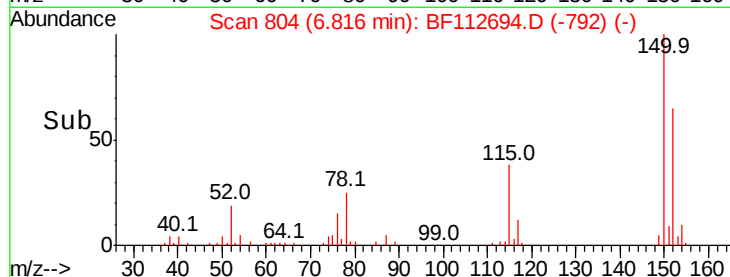
115 58.4 45.5 68.3



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: 150.249 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.02 min

Lab File: BF112694.D

Acq: 25 Feb 2019 16:03

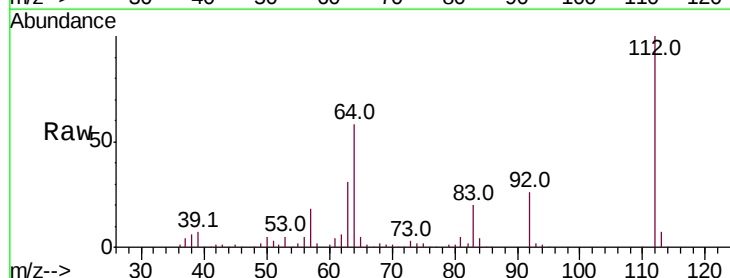
Tgt Ion:112 Resp: 298827

Ion Ratio Lower Upper

112 100

64 58.3 45.7 68.5

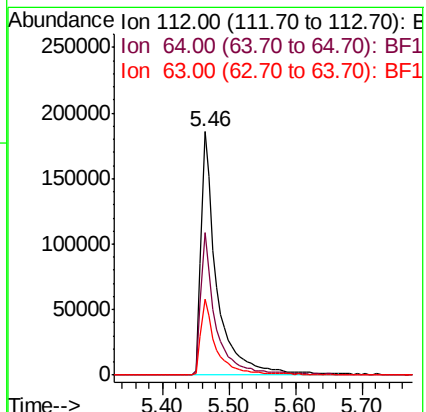
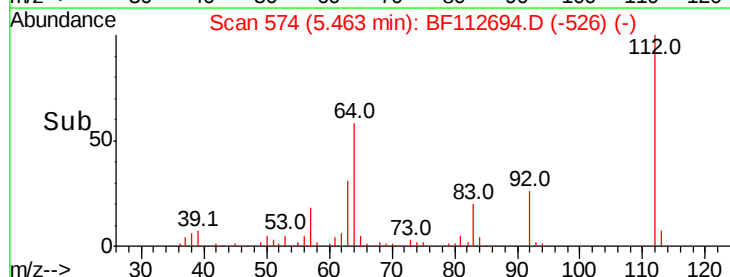
63 31.1 23.6 35.4



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: 122.090 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112694.D

Acq: 25 Feb 2019 16:03

Instrument :

BNA_F

ClientSampled :

COMP-13

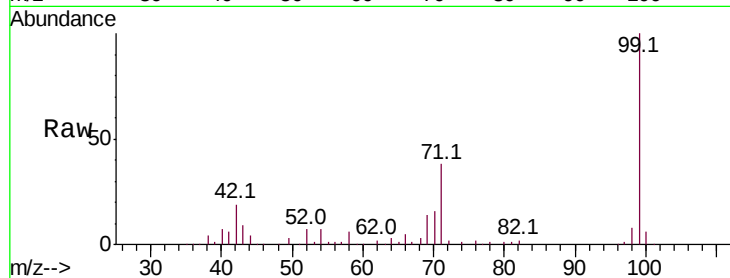
Tot Ion: 99 Resp: 337414

Ion Ratio Lower Upper

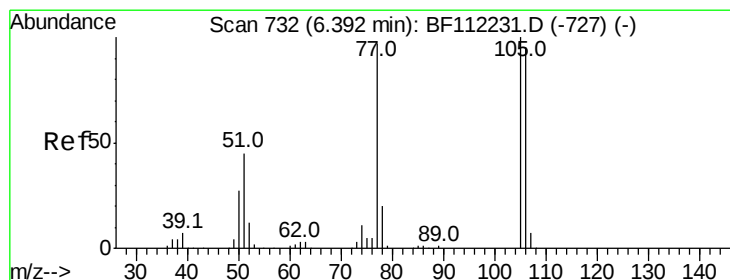
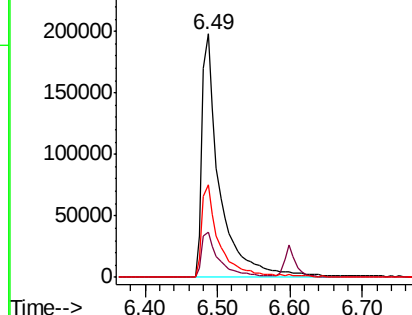
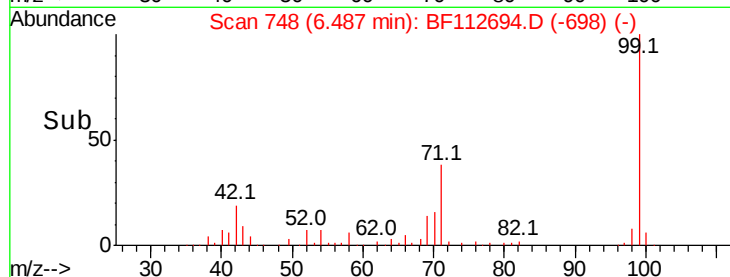
99 100

42 18.5 15.1 22.7

71 38.2 26.9 40.3



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



#9

Benzaldehyde

Concen: 6.159 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF112694.D

Acq: 25 Feb 2019 16:03

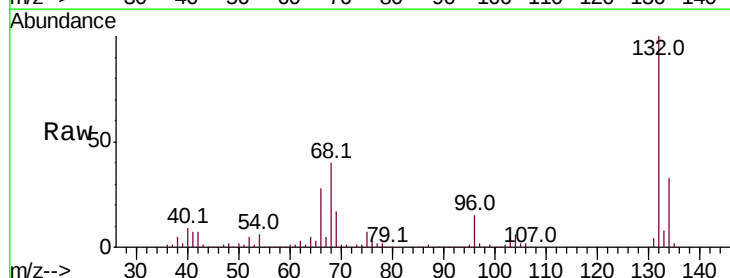
Tgt Ion: 77 Resp: 8896

Ion Ratio Lower Upper

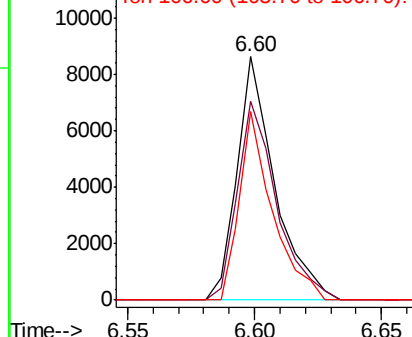
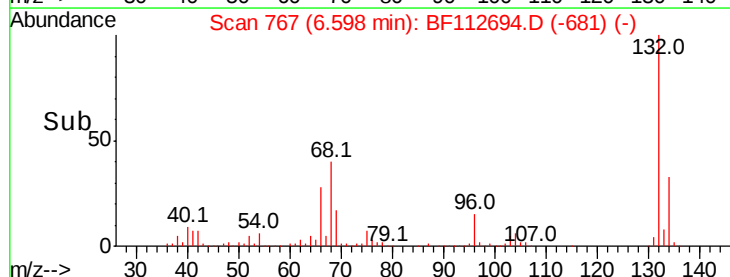
77 100

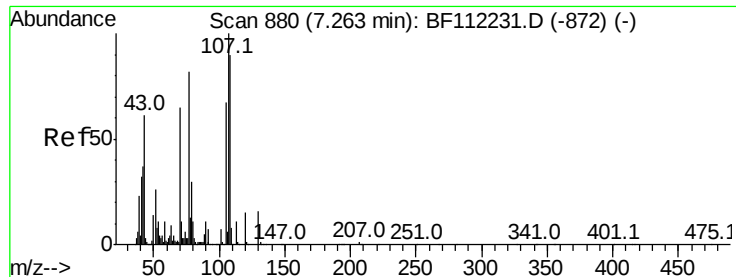
105 81.6 80.8 120.8

106 77.7 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

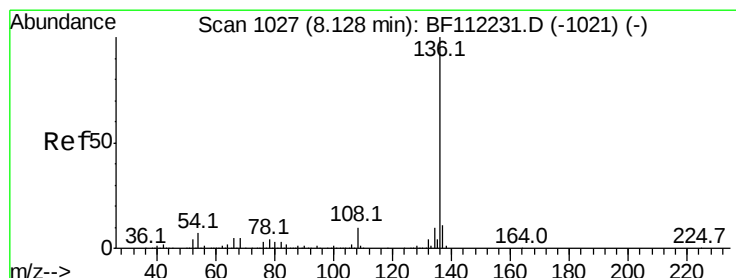
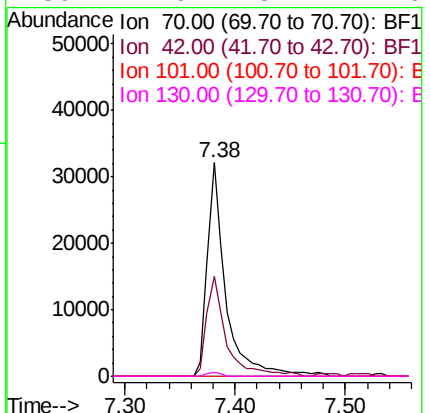
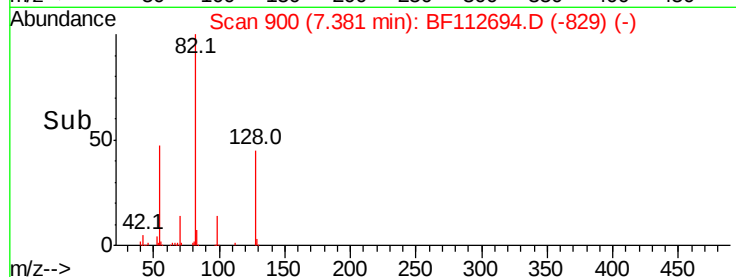
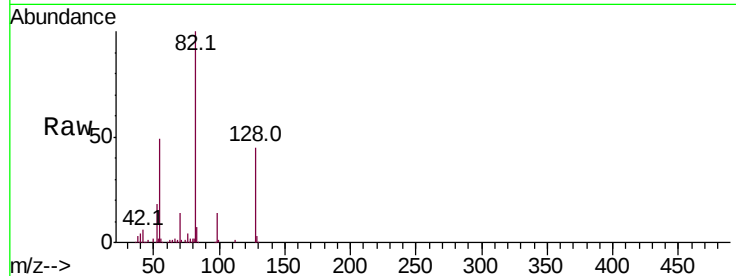




#19
n-Nitroso-di-n-propylamine
Concen: 19.099 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.12 min
Lab File: BF112694.D
Acq: 25 Feb 2019 16:03

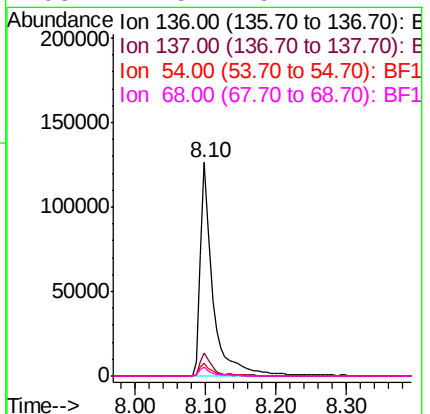
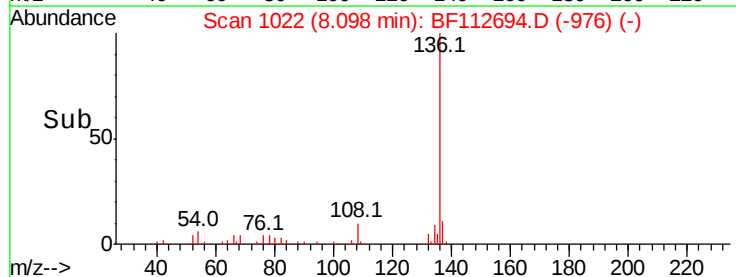
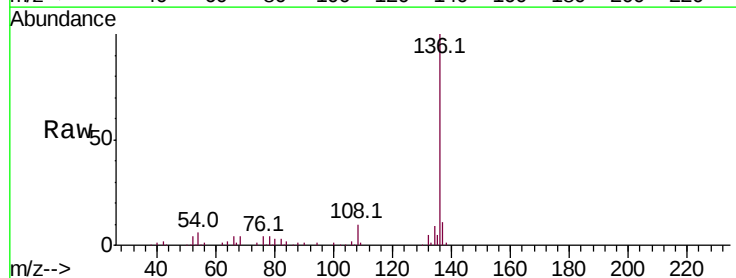
Instrument :
BNA_F
ClientSampleId :
COMP-13

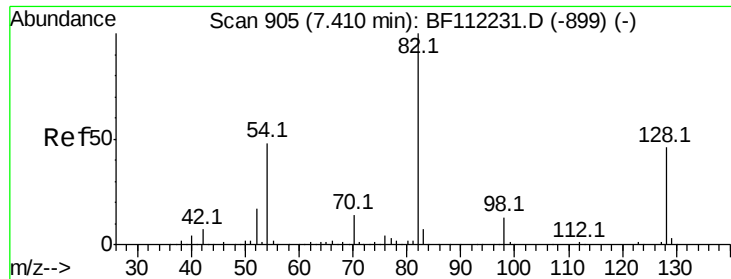
Tot Ion: 70 Resp: 36396
Ion Ratio Lower Upper
70 100
42 46.9 47.6 71.4#
101 0.0 7.9 11.9#
130 1.9 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF112694.D
Acq: 25 Feb 2019 16:03

Tgt Ion:136 Resp: 161368
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.0 5.9 8.9
68 4.5 5.1 7.7#

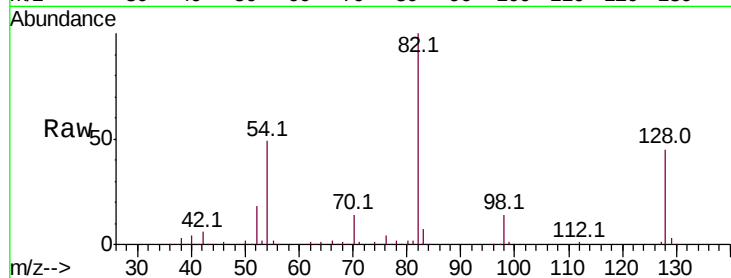




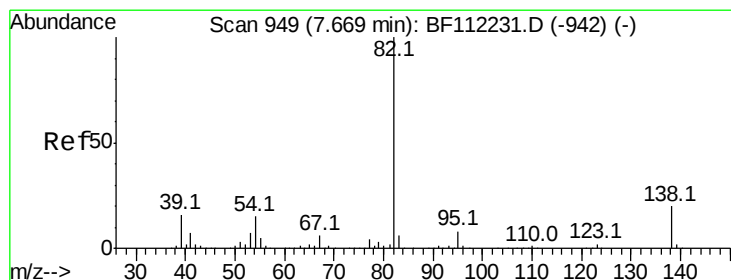
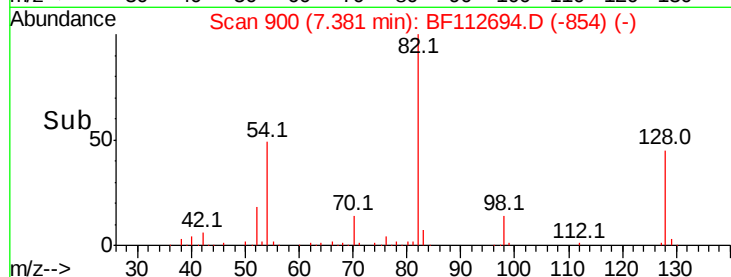
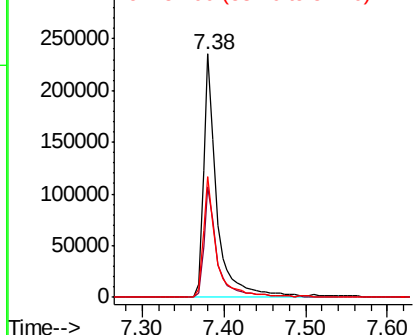
#23
Nitrobenzene-d5
Concen: 97.158 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112694.D
Acq: 25 Feb 2019 16:03

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	82	Resp	272097
Ion Ratio	Lower	Upper	
82	100		
128	45.3	37.8	56.8
54	49.5	39.7	59.5

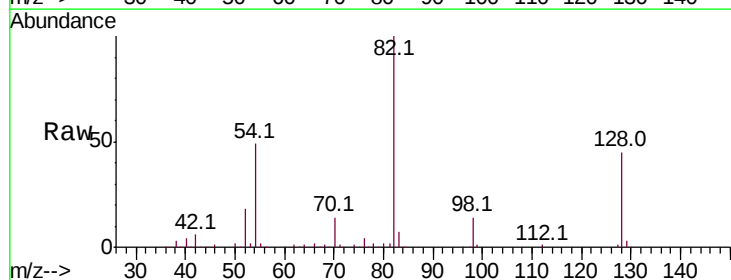


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

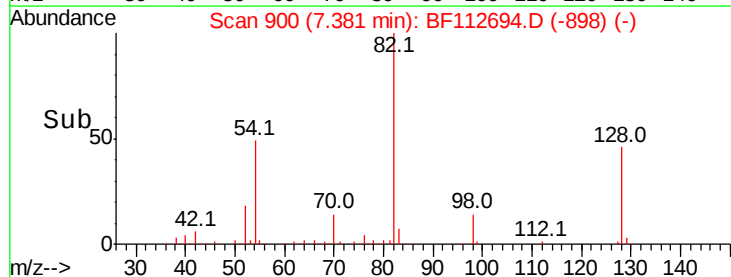
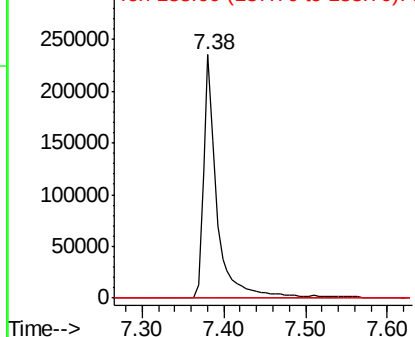


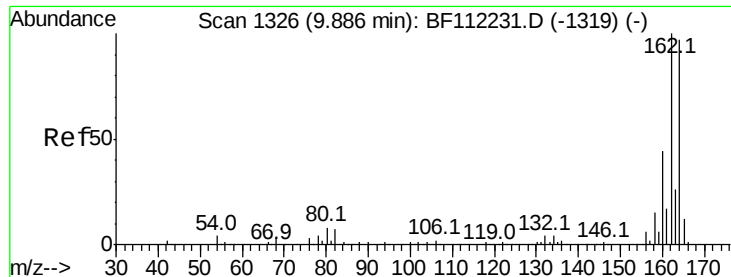
#25
Isophorone
Concen: 61.932 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.29 min
Lab File: BF112694.D
Acq: 25 Feb 2019 16:03

Tgt Ion	82	Resp	272097
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#



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

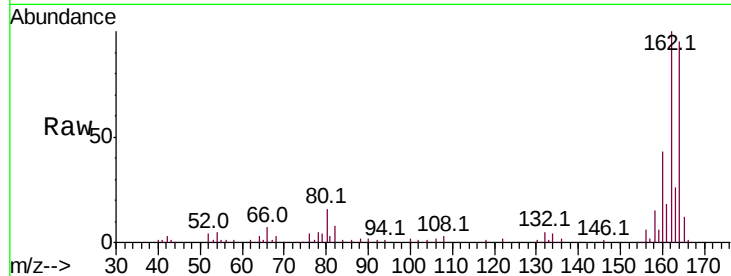




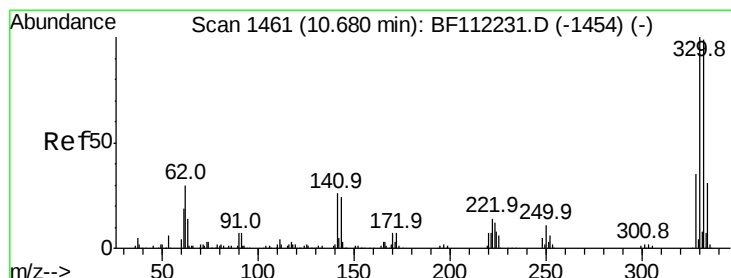
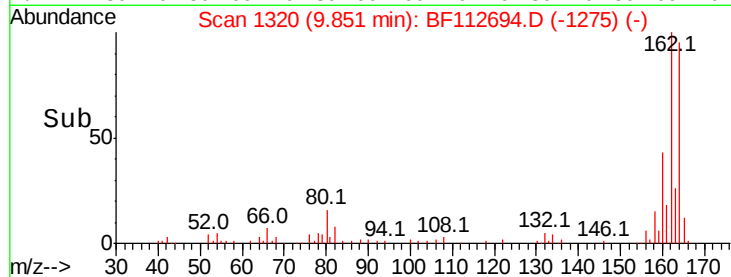
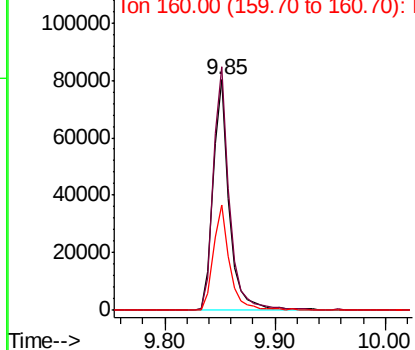
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112694.D
Acq: 25 Feb 2019 16:03

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion:164 Resp: 80120
Ion Ratio Lower Upper
164 100
162 105.7 82.2 123.4
160 45.6 36.2 54.4

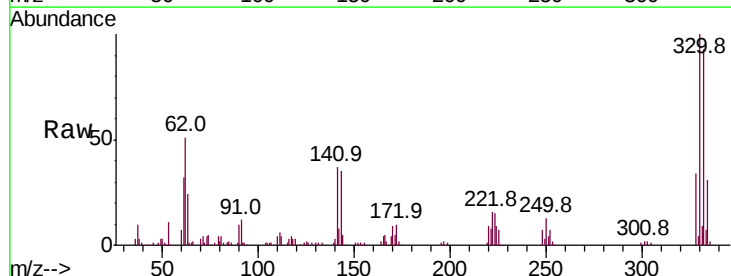


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

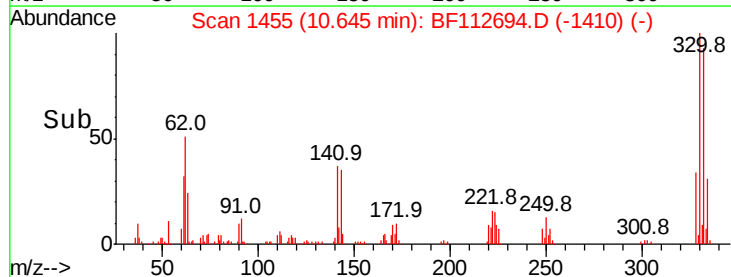
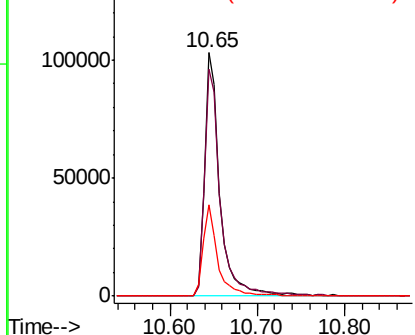


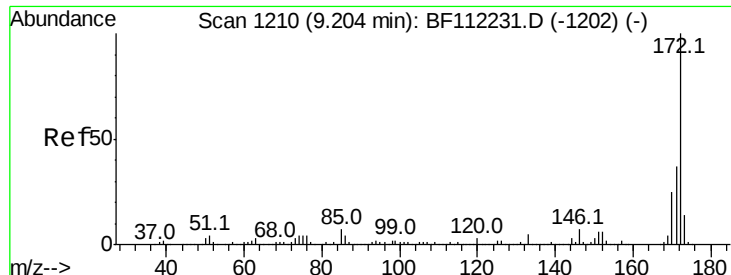
#42
2,4,6-Tribromophenol
Concen: 134.358 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.04 min
Lab File: BF112694.D
Acq: 25 Feb 2019 16:03

Tgt Ion:330 Resp: 125299
Ion Ratio Lower Upper
330 100
332 97.3 76.6 114.8
141 35.7 24.3 36.5



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

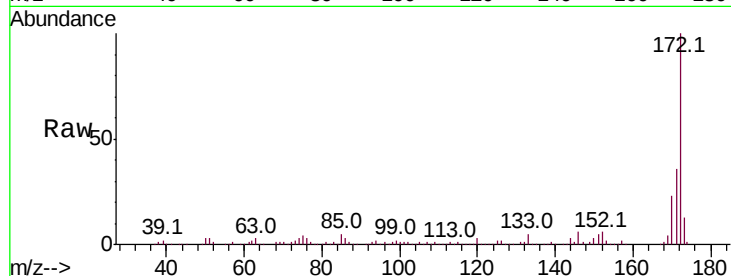




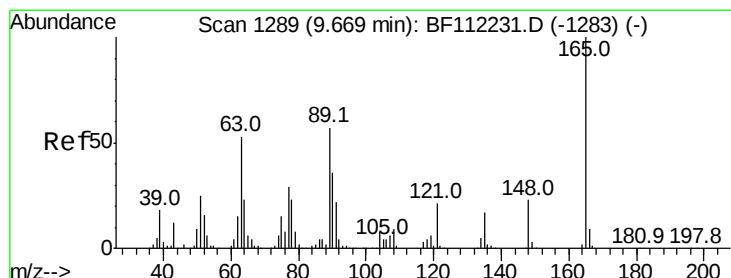
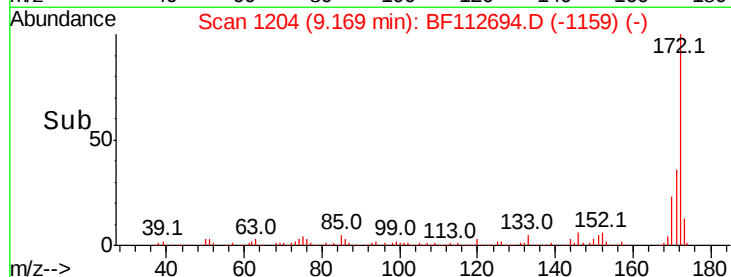
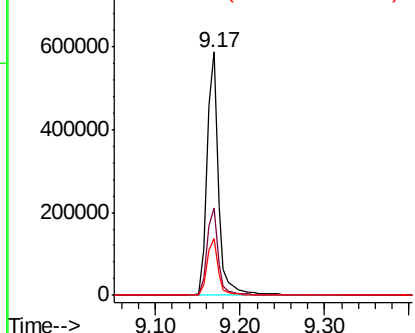
#45
 2-Fluorobiphenyl
 Concen: 97.497 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Tot Ion:172 Resp: 552303
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.5 45.7
 170 23.3 20.2 30.4

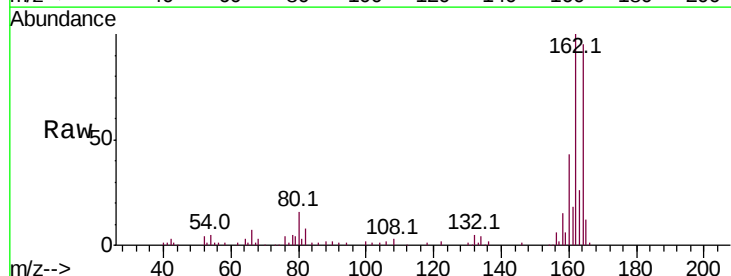


Abundance Ion 172.00 (171.70 to 172.70): E
 800000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

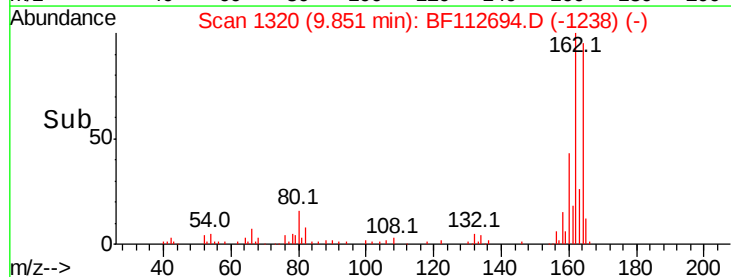
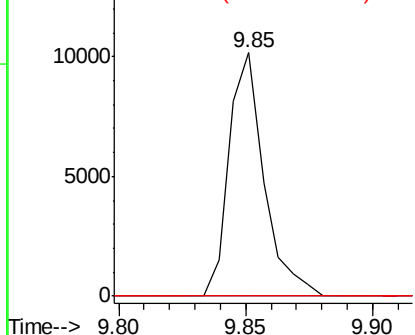


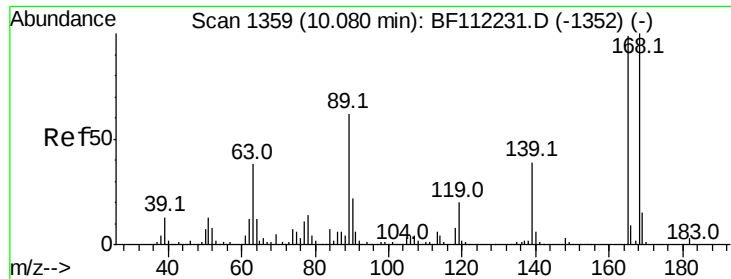
#51
 2,6-Dinitrotoluene
 Concen: 6.998 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.18 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Tgt Ion:165 Resp: 9756
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.8#
 89 0.0 36.9 55.3#



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

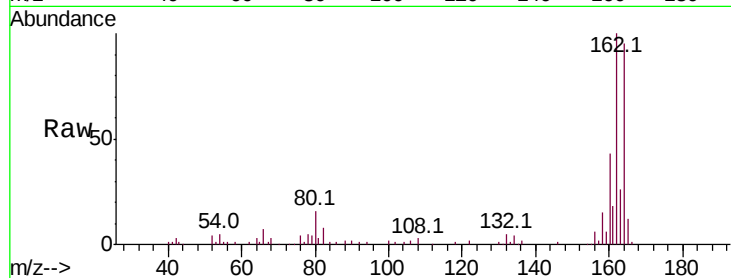




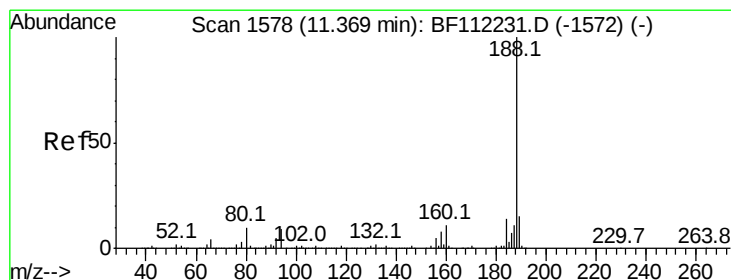
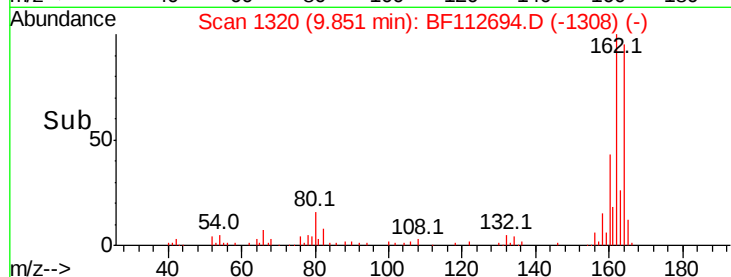
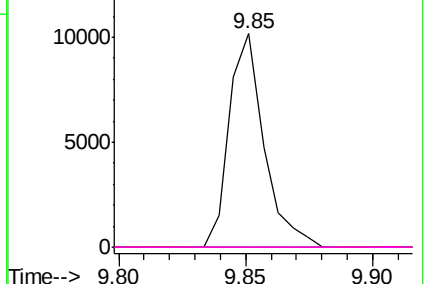
#57
 2,4-Dinitrotoluene
 Concen: 5.497 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Tot Ion:	165	Resp:	9756
Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	0.0	47.9	71.9#
182	0.0	2.2	3.4#

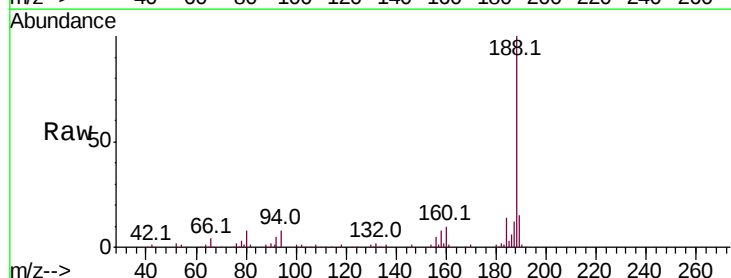


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

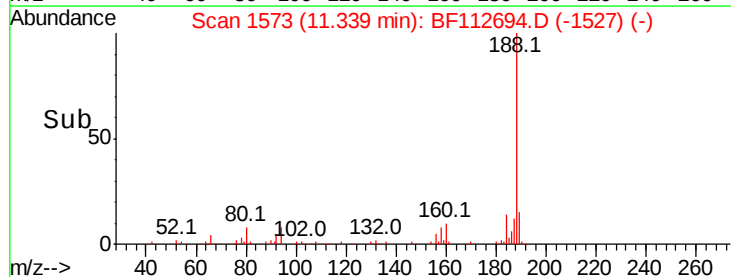
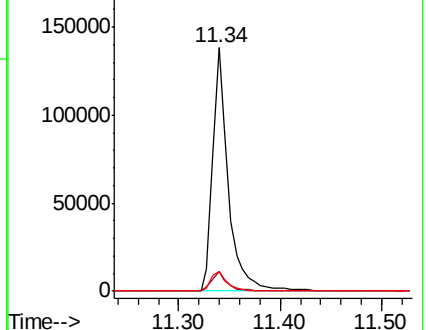


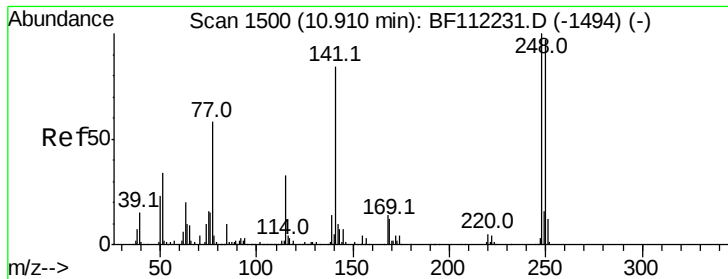
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Tgt Ion:	188	Resp:	149256
Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	8.2	8.9	13.3#



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

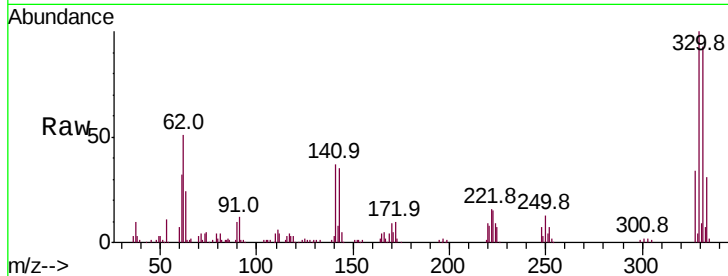




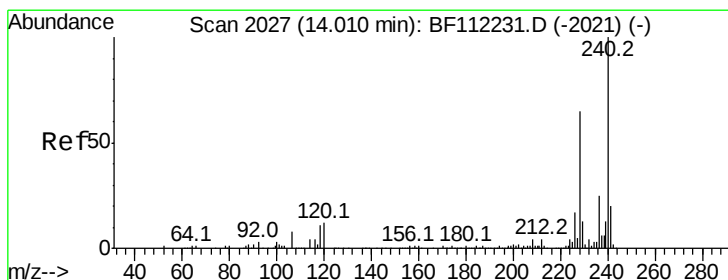
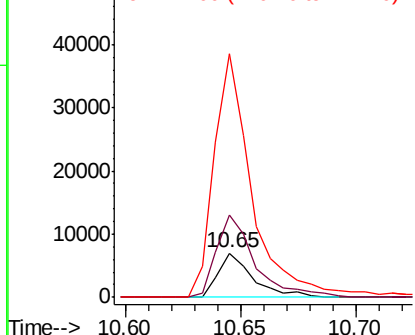
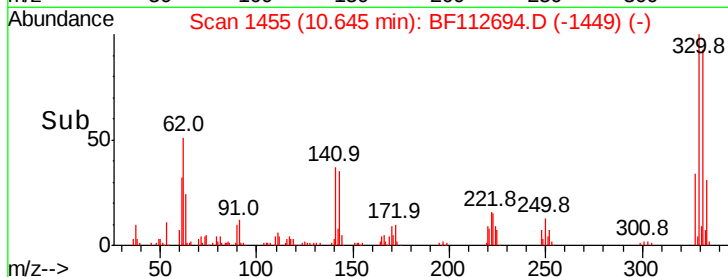
#67
 4-Bromophenyl-phenylether
 Concen: 4.145 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.26 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Tot Ion:248 Resp: 7276
 Ion Ratio Lower Upper
 248 100
 250 187.9 79.7 119.5#
 141 553.0 60.3 90.5#

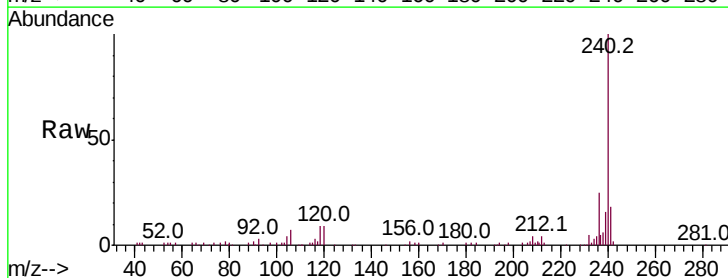


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

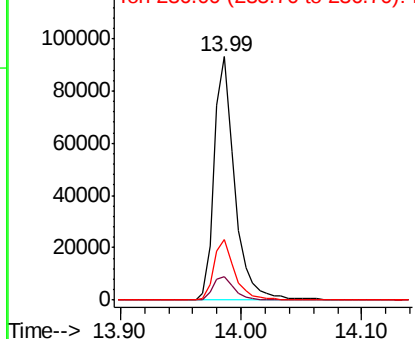
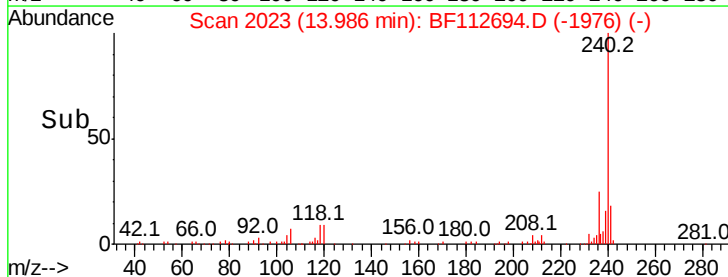


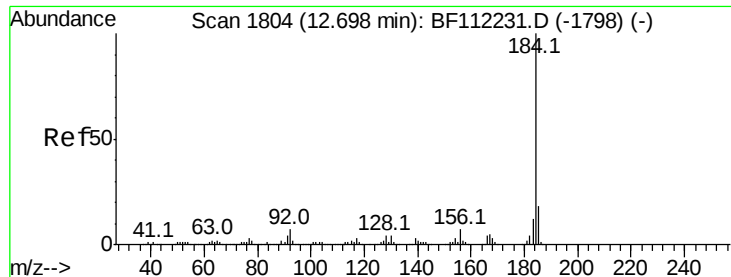
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Tgt Ion:240 Resp: 108146
 Ion Ratio Lower Upper
 240 100
 120 9.5 9.0 13.6
 236 24.6 20.7 31.1



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: 2.755 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.21 min

Lab File: BF112694.D

Acq: 25 Feb 2019 16:03

Instrument :

BNA_F

ClientSampled :

COMP-13

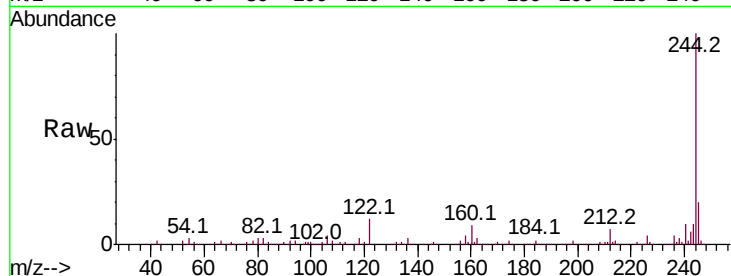
Tot Ion:184 Resp: 8201

Ion Ratio Lower Upper

184 100

185 15.4 13.9 20.9

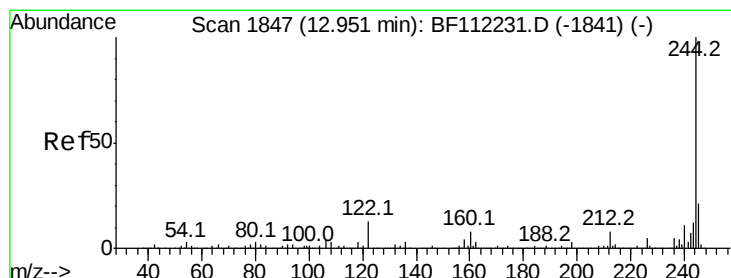
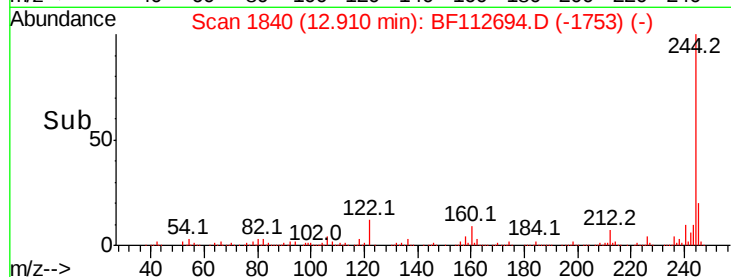
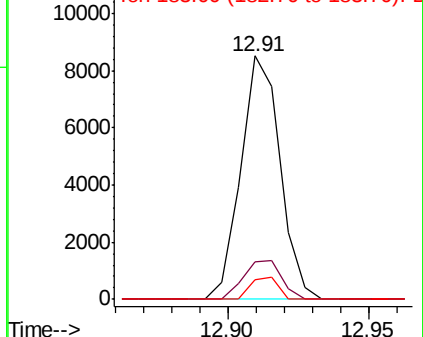
183 7.9 10.0 15.0#



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: 98.866 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.04 min

Lab File: BF112694.D

Acq: 25 Feb 2019 16:03

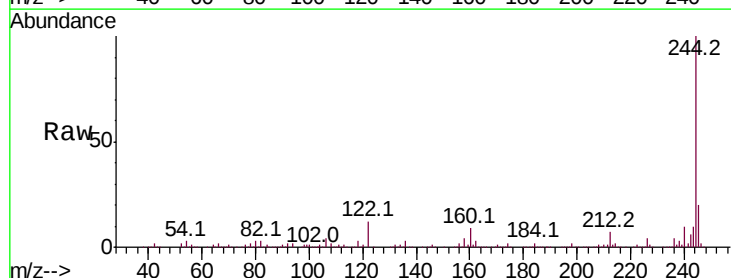
Tgt Ion:244 Resp: 567681

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

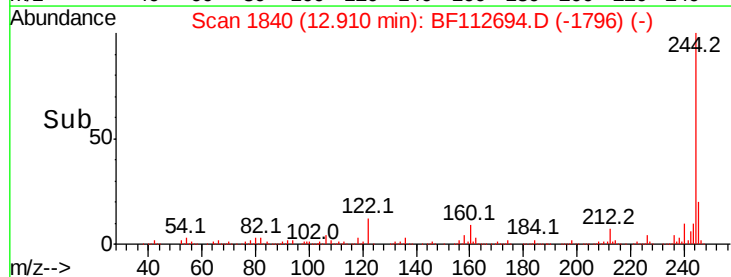
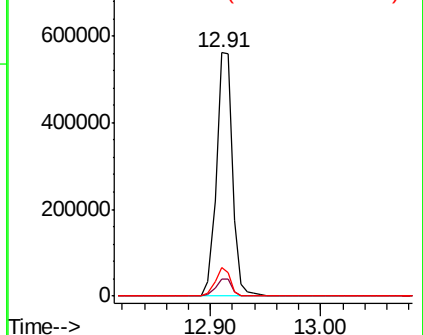
122 11.6 9.8 14.6

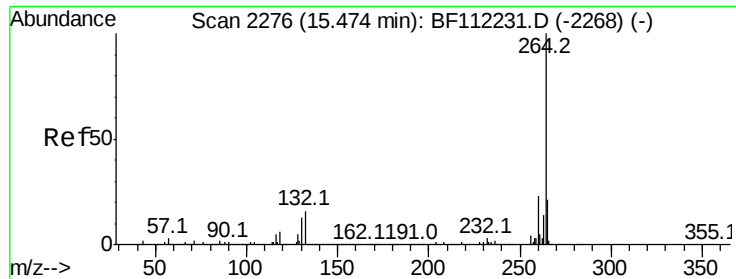


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2273
 Delta R.T. -0.02 min
 Lab File: BF112694.D
 Acq: 25 Feb 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.2	27.2
265	21.4	17.0	25.4

