

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112695.D
 Acq On : 25 Feb 2019 16:31
 Operator : JU/SJ
 Sample : K1596-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Quant Time: Feb 26 00:07:09 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

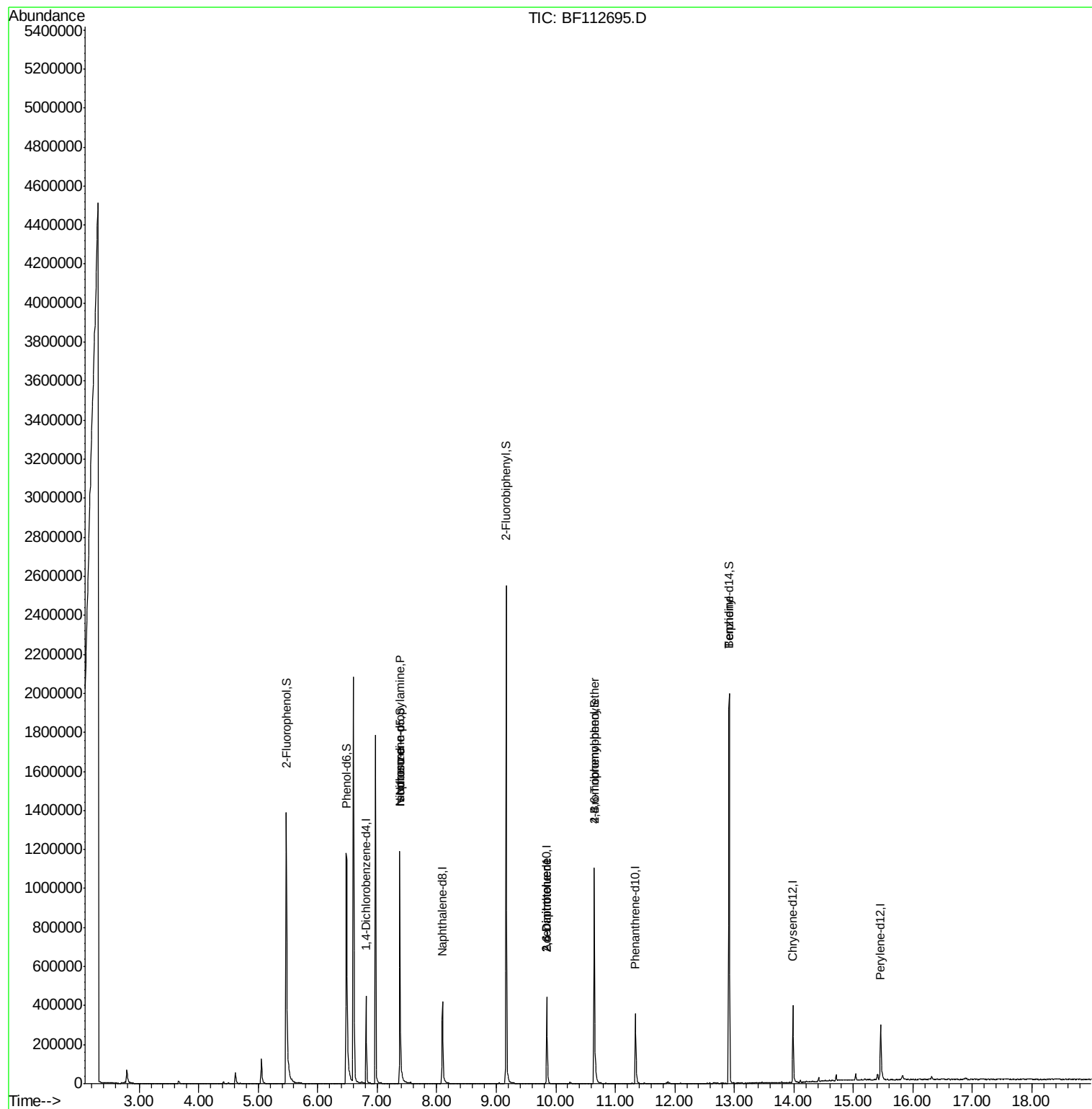
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70166	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	250164	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	101299	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	162577	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	170624	20.00	ng	-0.02
87) Perylene-d12	15.46	264	164416	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	517514	156.66	ng	0.00
7) Phenol-d6	6.48	99	561024	122.22	ng	-0.01
23) Nitrobenzene-d5	7.38	82	440502	101.46	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	159290	135.10	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	794602	110.94	ng	-0.04
79) Terphenyl-d14	12.92	244	705311	77.86	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	60204	19.021	ng	# 79
25) Isophorone	7.38	82	440498	64.674	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	13160	7.466	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	13160	5.864	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	9835	5.143	ng	# 1
77) Benzidine	12.92	184	10368	2.208	ng	# 94

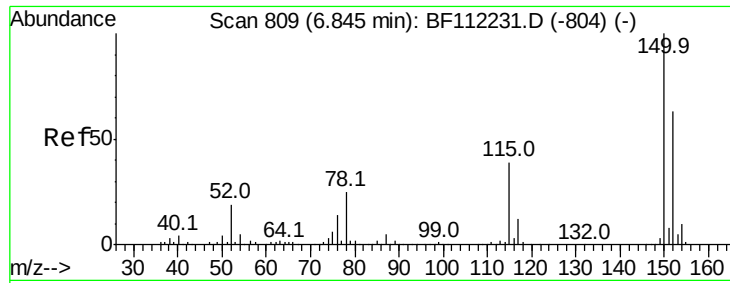
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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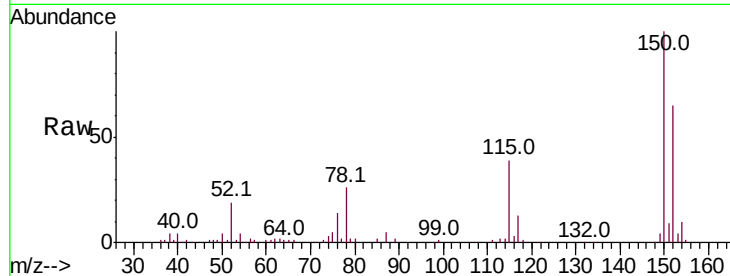


#1

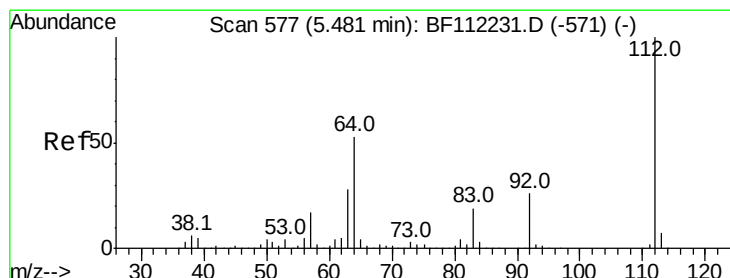
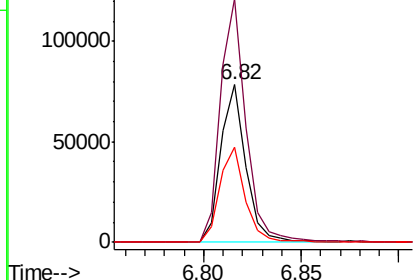
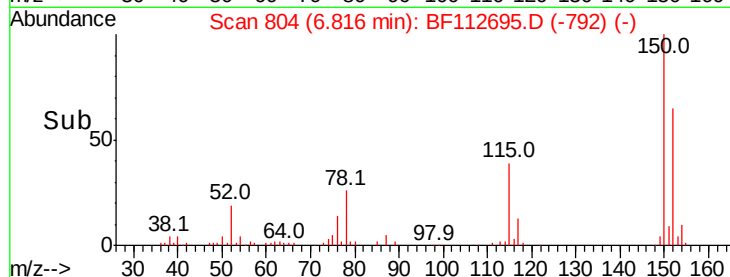
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF112695.D
Acq: 25 Feb 2019 16:31

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion:152 Resp: 70166
Ion Ratio Lower Upper
152 100
150 154.8 127.4 191.0
115 60.2 45.5 68.3



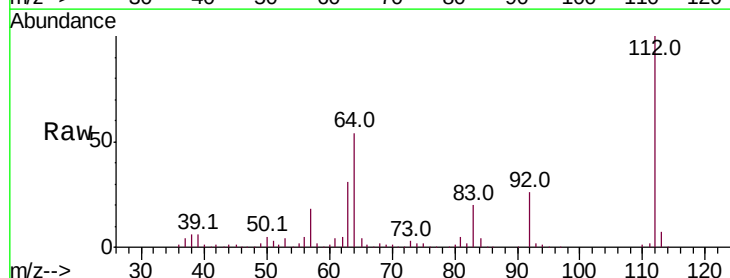
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



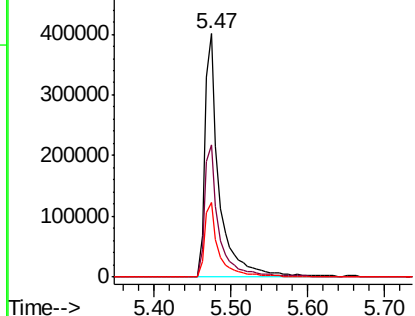
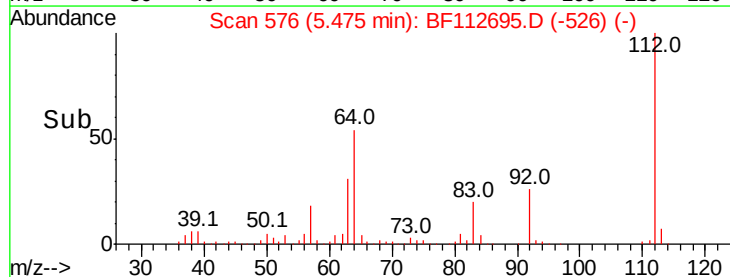
#5

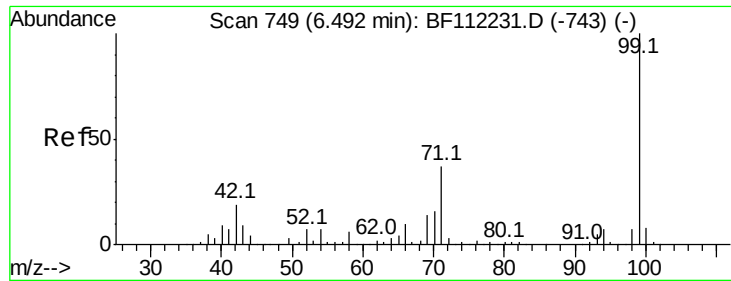
2-Fluorophenol
Concen: 156.662 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112695.D
Acq: 25 Feb 2019 16:31

Tgt Ion:112 Resp: 517514
Ion Ratio Lower Upper
112 100
64 54.2 45.7 68.5
63 30.8 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: 122.222 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

Instrument :

BNA_F

ClientSampled :

COMP-14

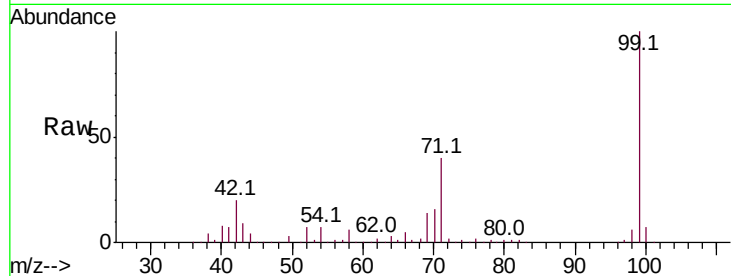
Tot Ion: 99 Resp: 561024

Ion Ratio Lower Upper

99 100

42 20.4 15.1 22.7

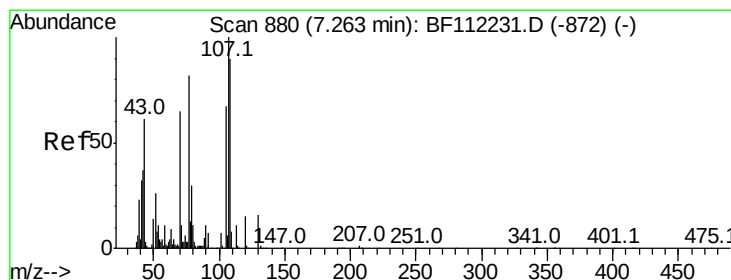
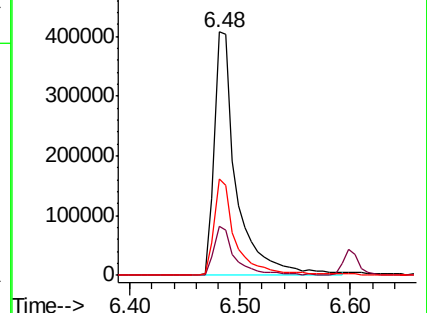
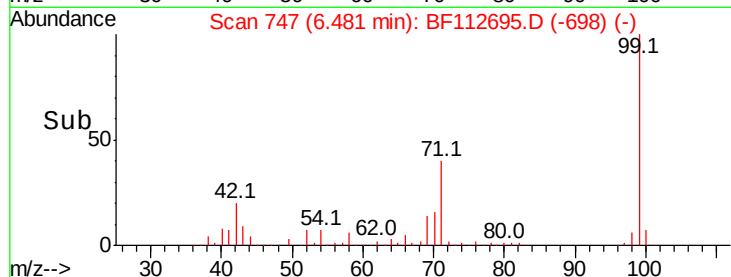
71 39.6 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.021 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.12 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

Tgt Ion: 70 Resp: 60204

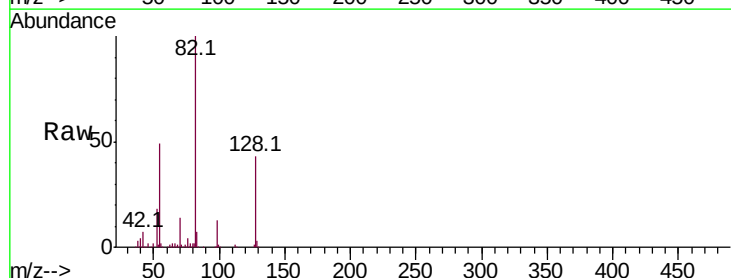
Ion Ratio Lower Upper

70 100

42 50.9 47.6 71.4

101 0.0 7.9 11.9#

130 2.0 18.4 27.6#

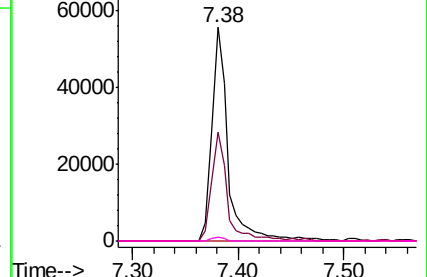
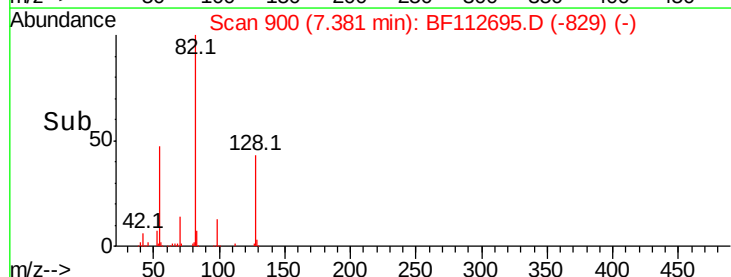


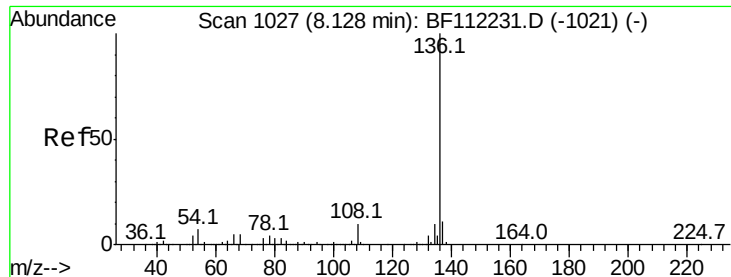
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

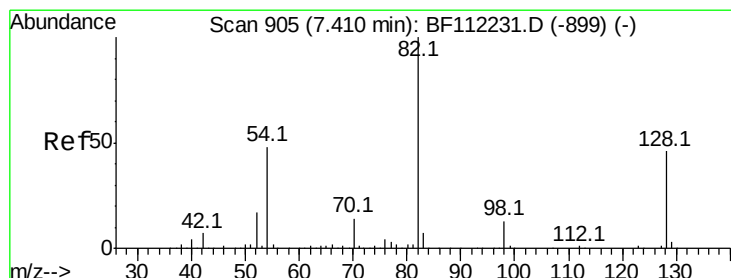
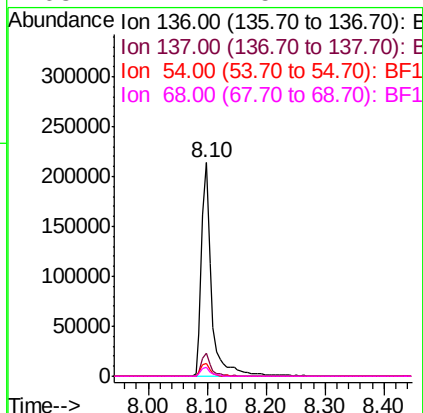
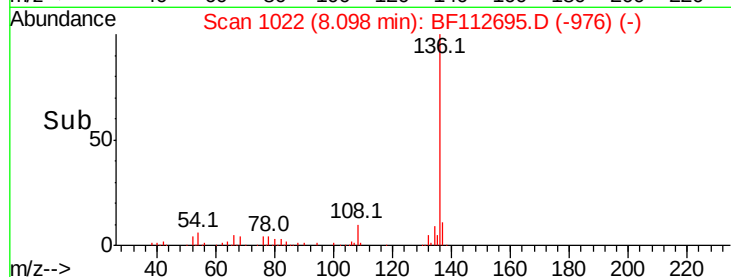
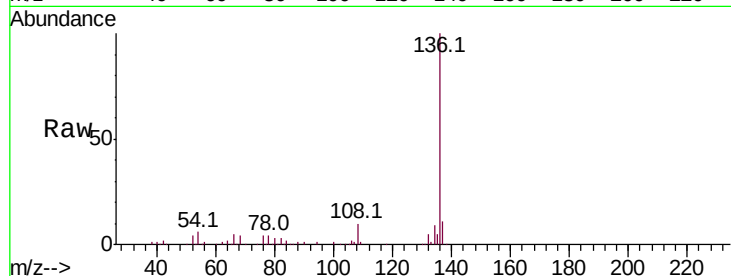




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF112695.D
Acq: 25 Feb 2019 16:31

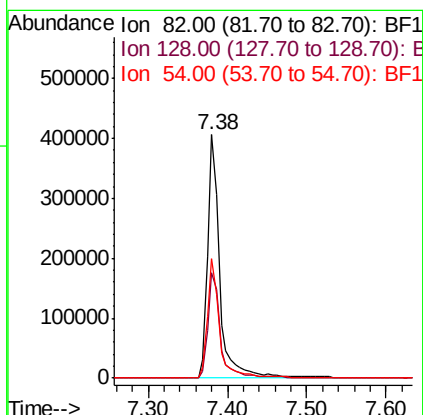
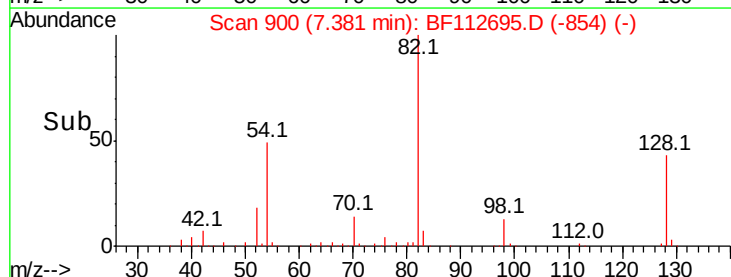
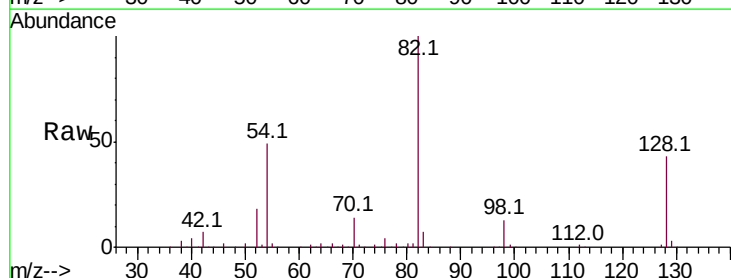
Instrument :
BNA_F
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COMP-14

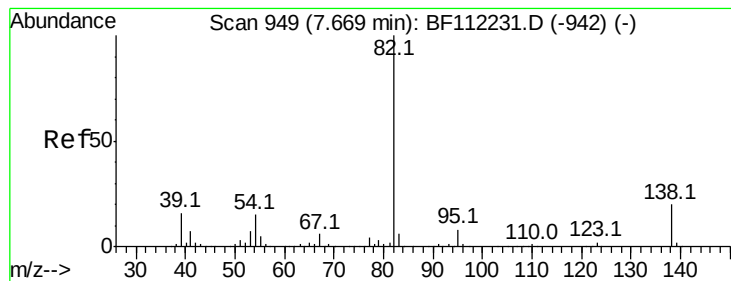
Tot Ion:	136	Resp:	250164
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	5.9	8.9
68	4.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 101.460 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112695.D
Acq: 25 Feb 2019 16:31

Tgt Ion:	82	Resp:	440502
Ion	Ratio	Lower	Upper
82	100		
128	43.3	37.8	56.8
54	49.1	39.7	59.5





#25

Isophorone

Concen: 64.674 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

Instrument :

BNA_F

ClientSampleId :

COMP-14

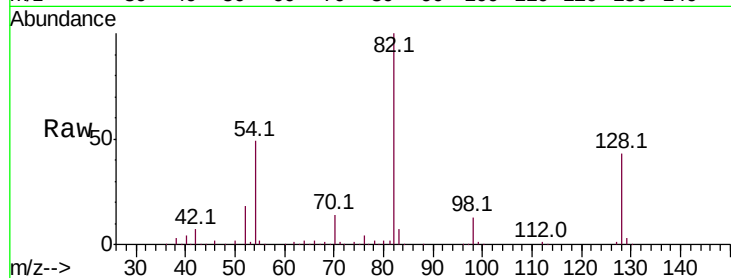
Tot Ion: 82 Resp: 440498

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

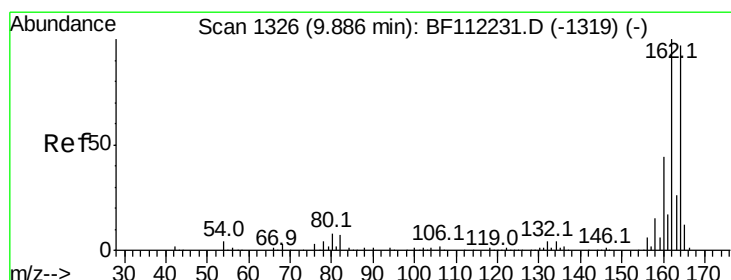
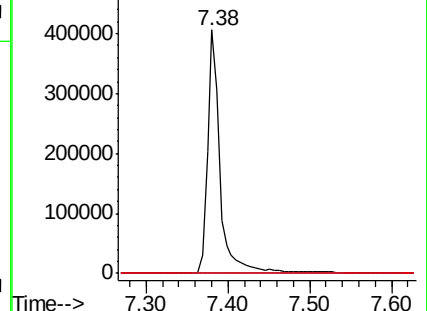
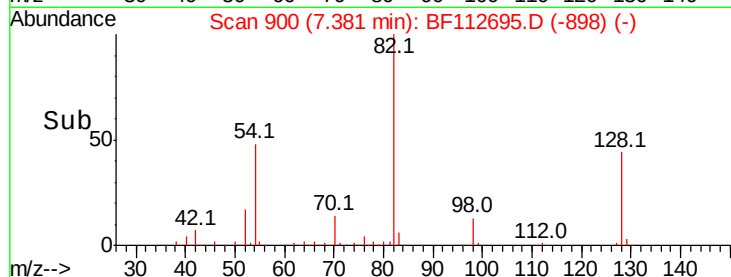
138 0.0 15.4 23.0#



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: BF112695.D

Acq: 25 Feb 2019 16:31

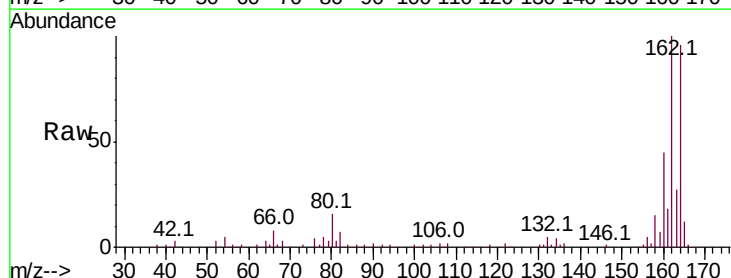
Tgt Ion: 164 Resp: 101299

Ion Ratio Lower Upper

164 100

162 104.1 82.2 123.4

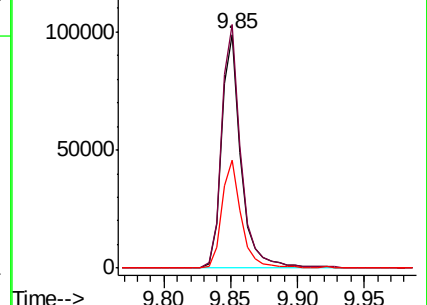
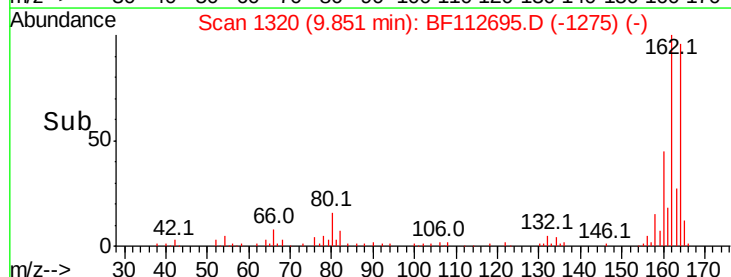
160 46.3 36.2 54.4

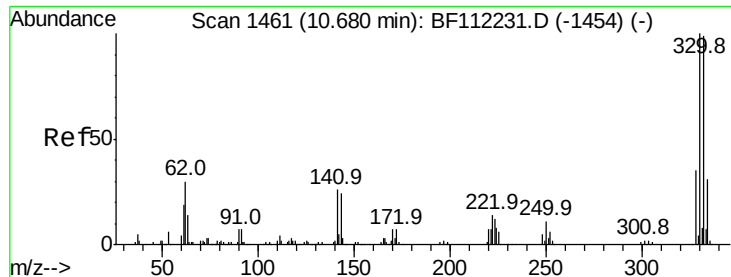


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 135.095 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.04 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

Instrument :

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ClientSampleId :

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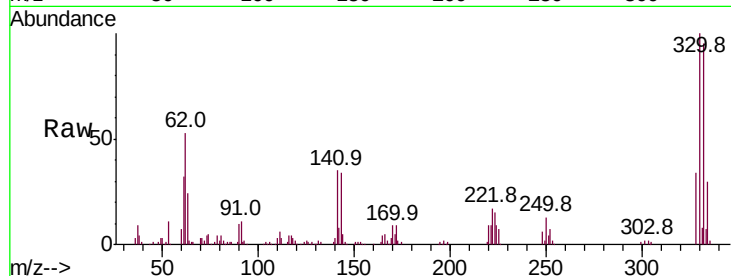
Tot Ion:330 Resp: 159290

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

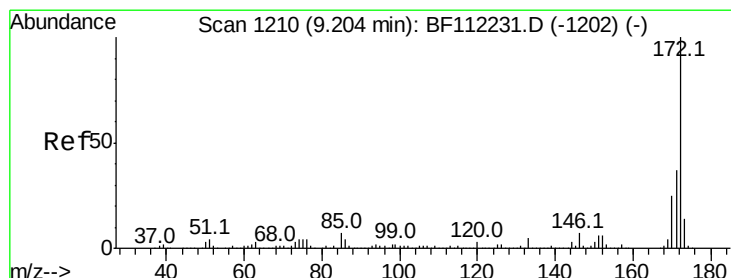
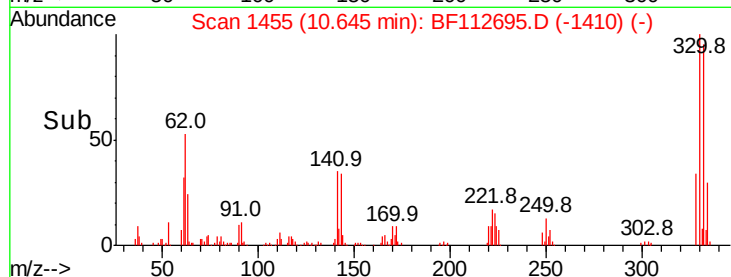
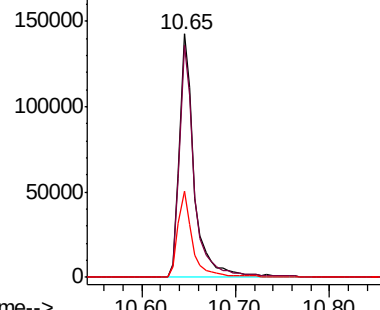
141 34.8 24.3 36.5



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: 110.942 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

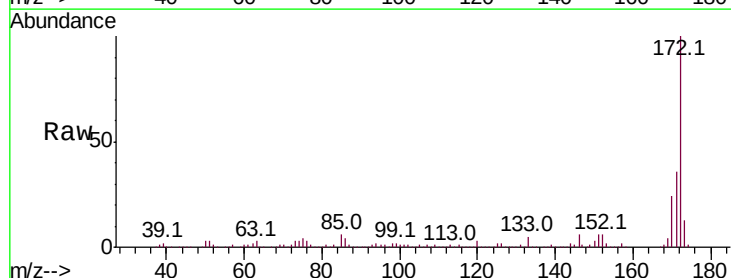
Tgt Ion:172 Resp: 794602

Ion Ratio Lower Upper

172 100

171 35.6 30.5 45.7

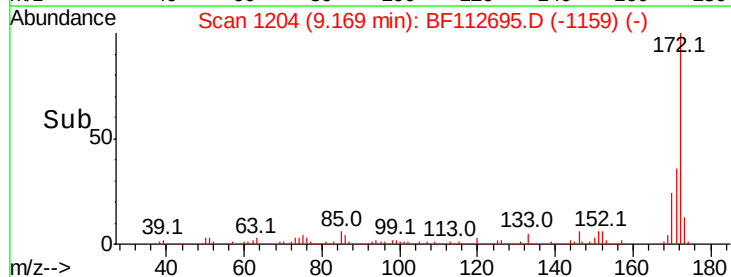
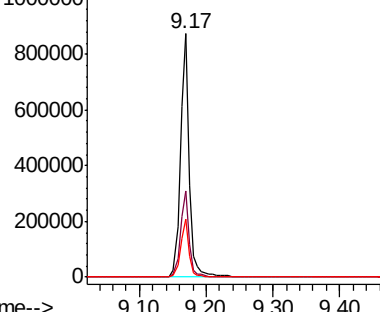
170 23.6 20.2 30.4

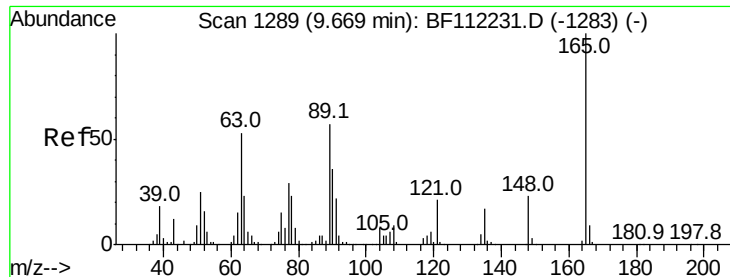


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.466 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.18 min

Lab File: BF112695.D

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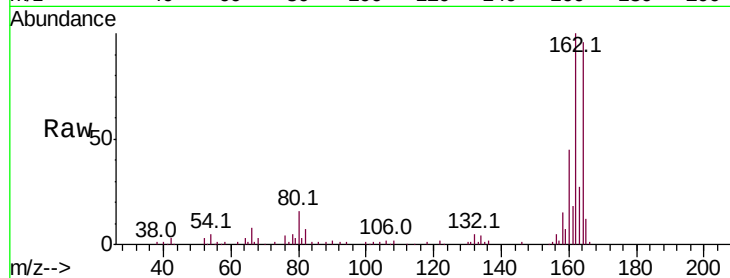
Tot Ion:165 Resp: 13160

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

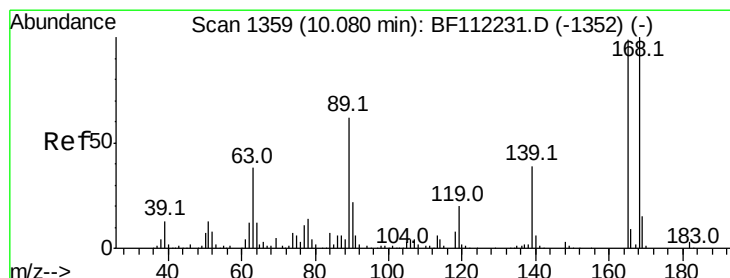
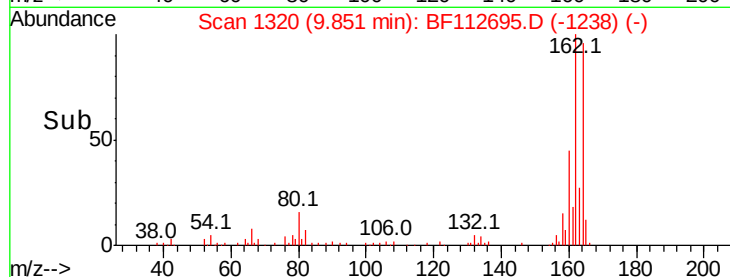
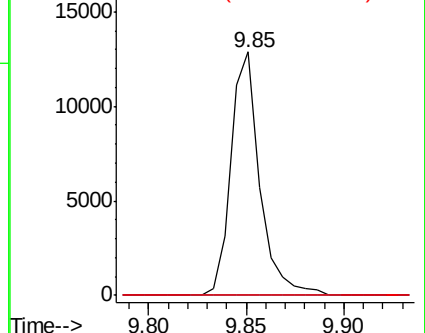
89 0.0 36.9 55.3#



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: 5.864 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.23 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

Tgt Ion:165 Resp: 13160

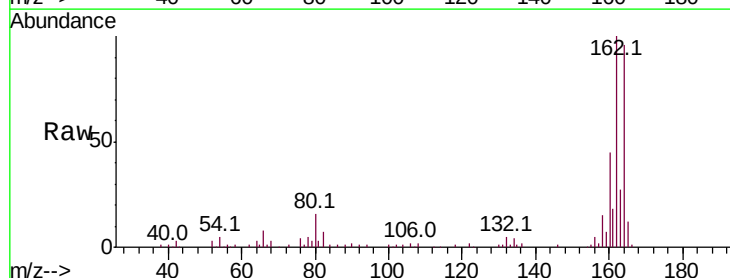
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 0.0 47.9 71.9#

182 0.0 2.2 3.4#

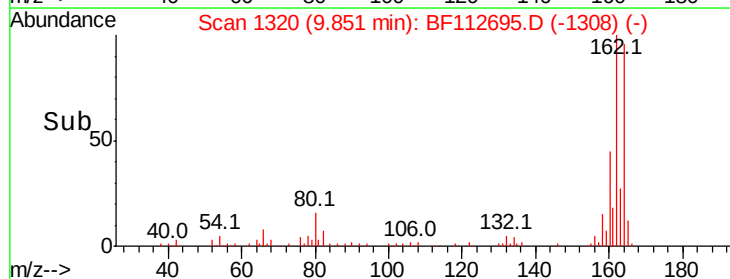
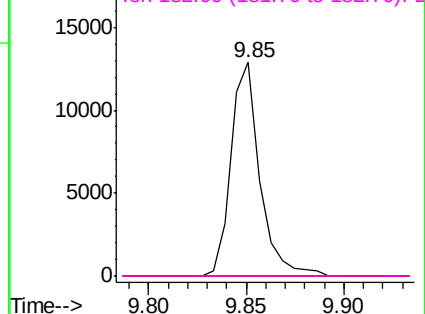


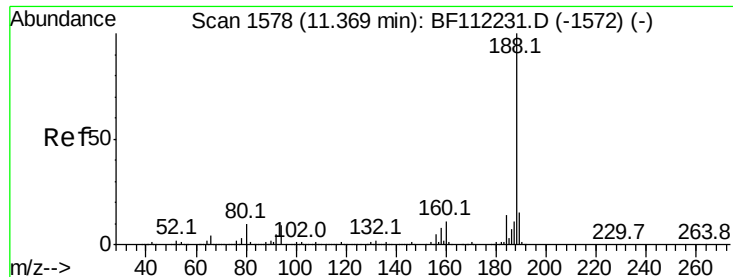
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112695.D

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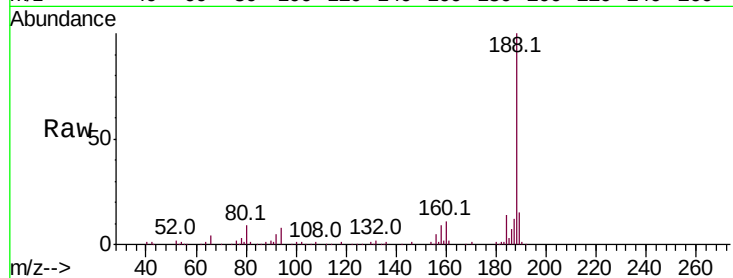
Tot Ion:188 Resp: 162577

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

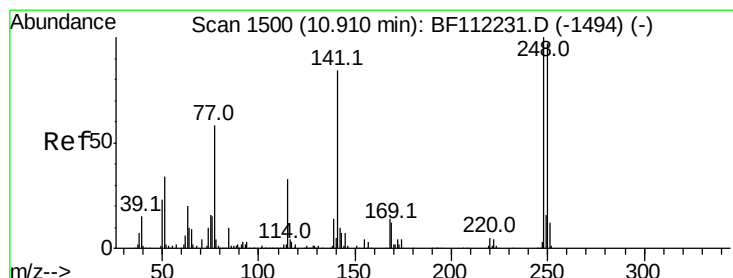
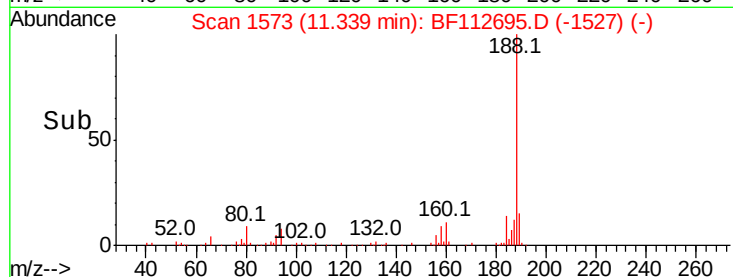
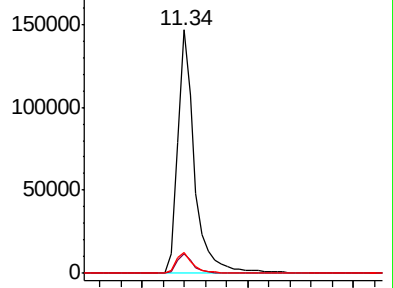
80 8.6 8.9 13.3#



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: 5.143 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.26 min

Lab File: BF112695.D

Acq: 25 Feb 2019 16:31

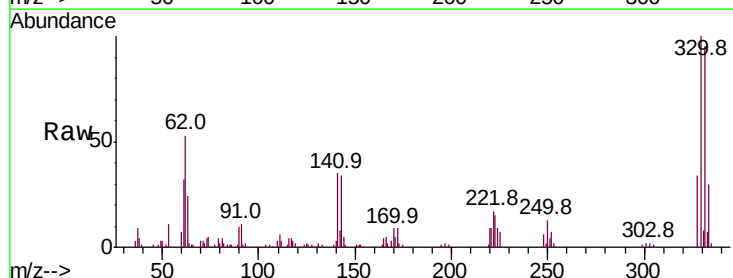
Tgt Ion:248 Resp: 9835

Ion Ratio Lower Upper

248 100

250 201.6 79.7 119.5#

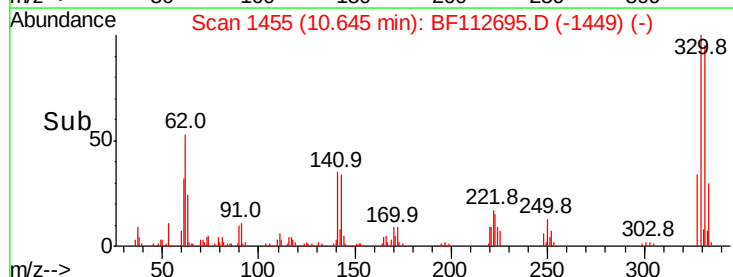
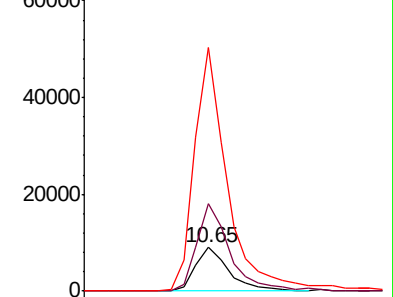
141 558.5 60.3 90.5#

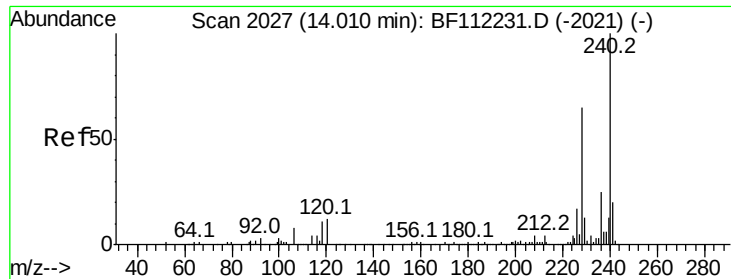


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

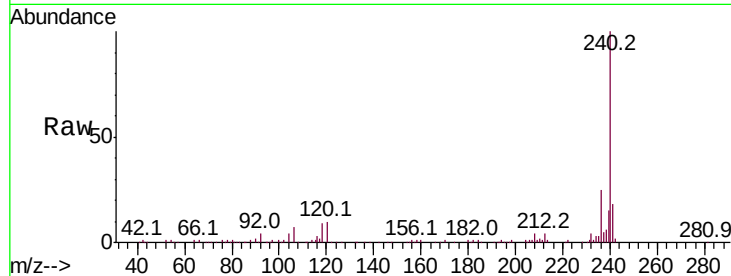




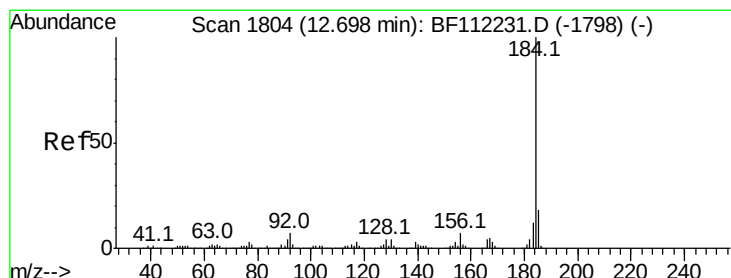
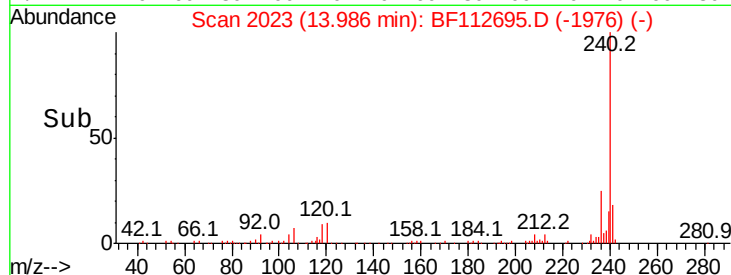
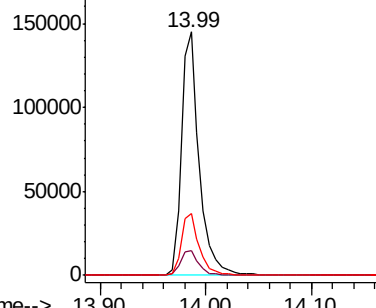
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF112695.D
 Acq: 25 Feb 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Tot Ion:240 Resp: 170624
 Ion Ratio Lower Upper
 240 100
 120 9.9 9.0 13.6
 236 25.5 20.7 31.1

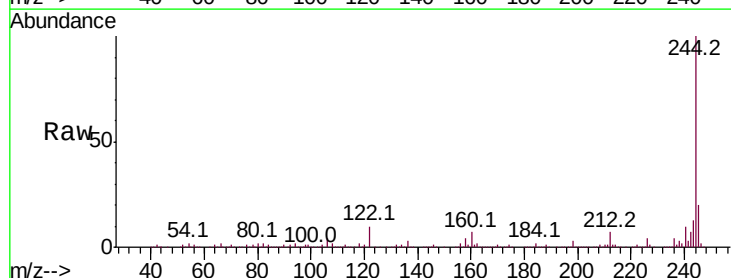


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

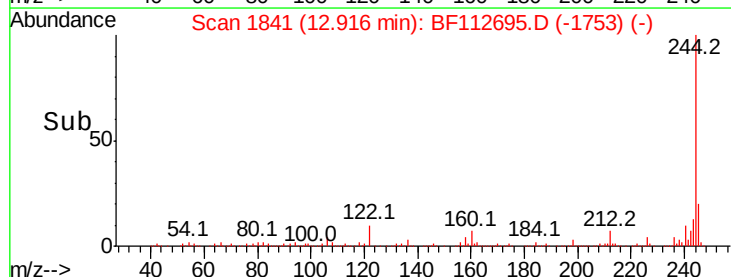
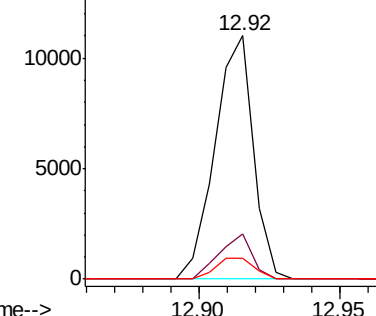


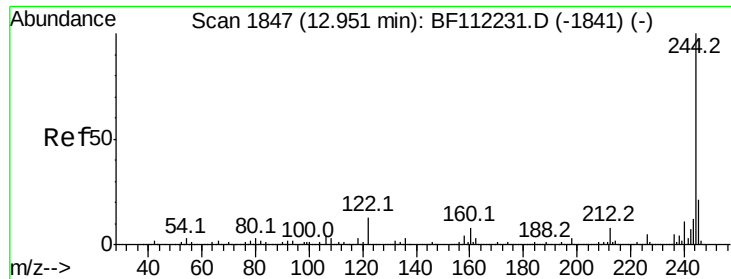
#77
 Benzidine
 Concen: 2.208 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.22 min
 Lab File: BF112695.D
 Acq: 25 Feb 2019 16:31

Tgt Ion:184 Resp: 10368
 Ion Ratio Lower Upper
 184 100
 185 18.6 13.9 20.9
 183 8.6 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

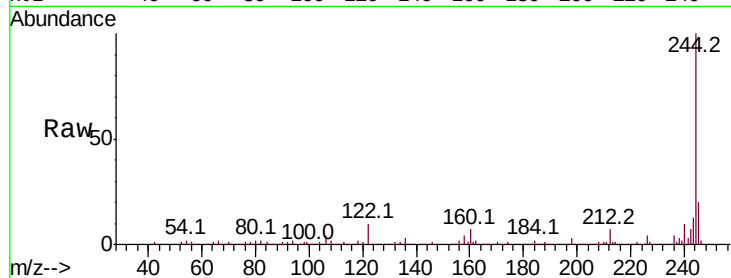




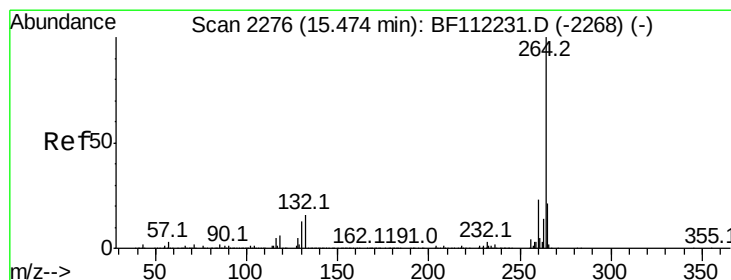
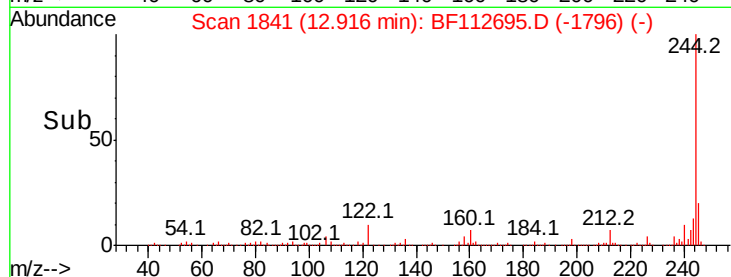
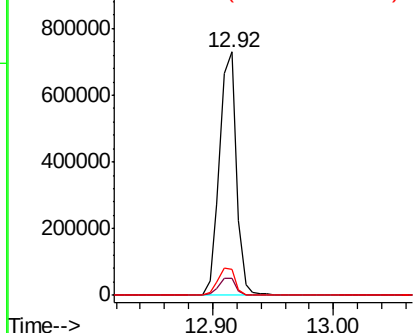
#79
 Terphenyl-d14
 Concen: 77.856 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF112695.D
 Acq: 25 Feb 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Tot Ion:244 Resp: 705311
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.5 9.8 14.6

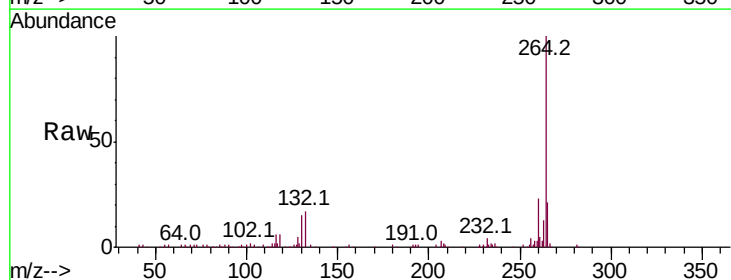


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.02 min
 Lab File: BF112695.D
 Acq: 25 Feb 2019 16:31

Tgt Ion:264 Resp: 164416
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 21.1 17.0 25.4



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

