

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112469.D
 Acq On : 8 Feb 2019 19:36
 Operator : JU/SJ
 Sample : K1349-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-A

Quant Time: Feb 09 04:58:38 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

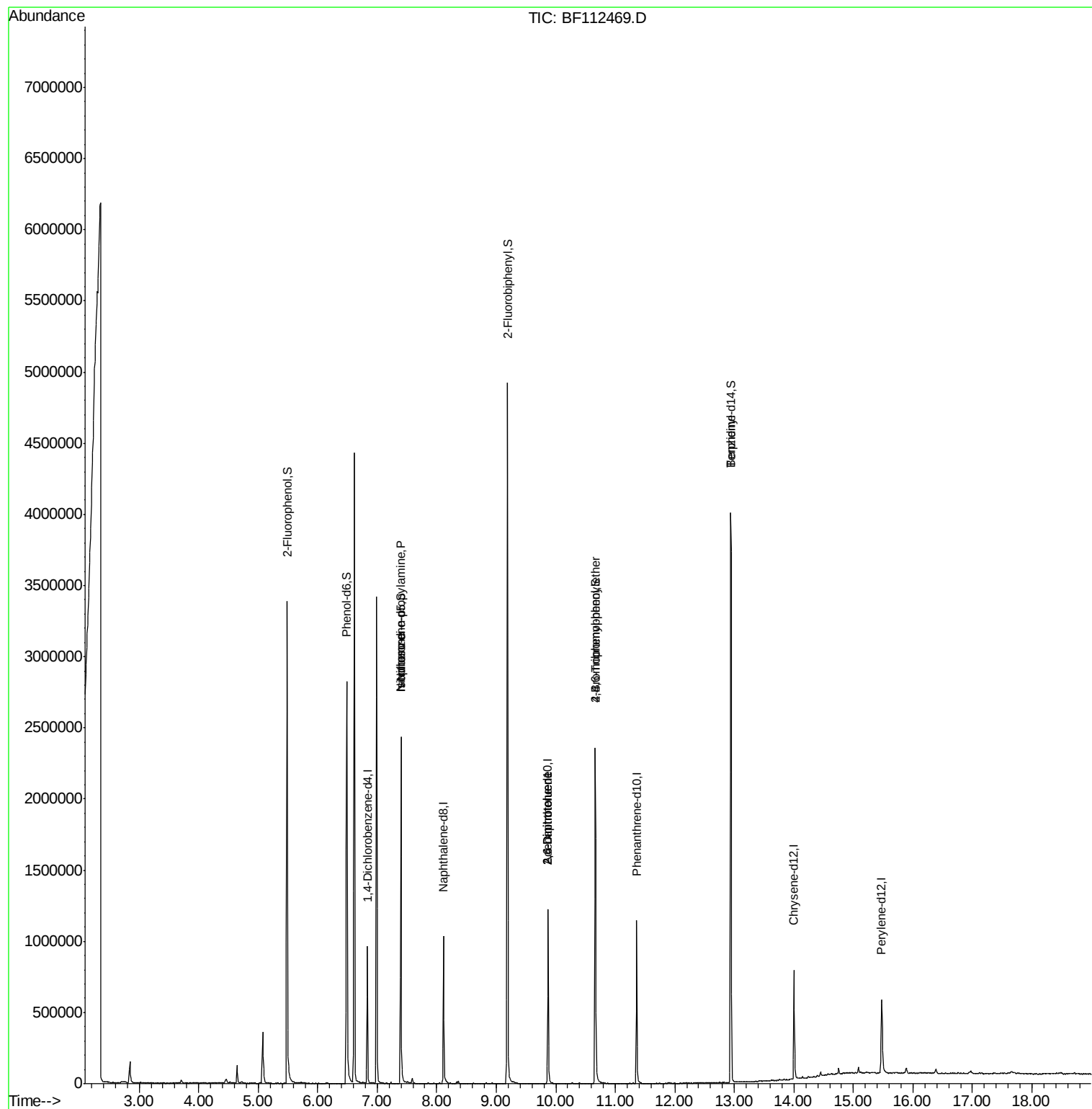
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	142883	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	535337	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	254354	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	443138	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	290552	20.00	ng	0.00
87) Perylene-d12	15.47	264	294191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1005017	149.40	ng	0.00
7) Phenol-d6	6.49	99	1140312	121.99	ng	0.00
23) Nitrobenzene-d5	7.40	82	862302	92.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	326185	110.17	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1638387	91.10	ng	-0.01
79) Terphenyl-d14	12.94	244	1456961	94.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	118952	18.455	ng	# 77
25) Isophorone	7.40	82	862291	59.161	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	31751	7.174	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	31751	5.635	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19925	3.823	ng	# 1
77) Benzidine	12.94	184	20039	2.506	ng	# 95

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

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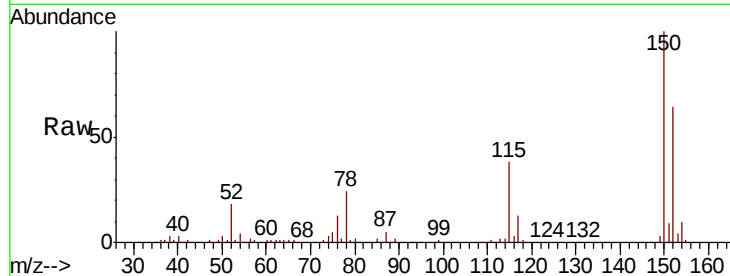


#1

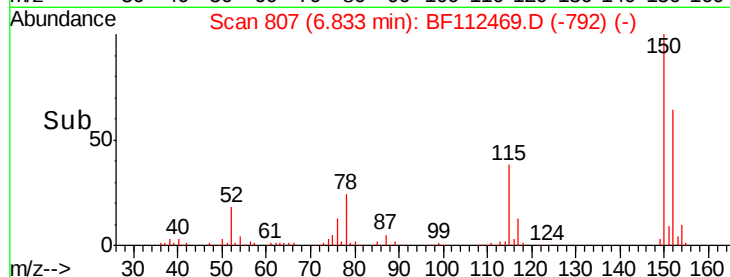
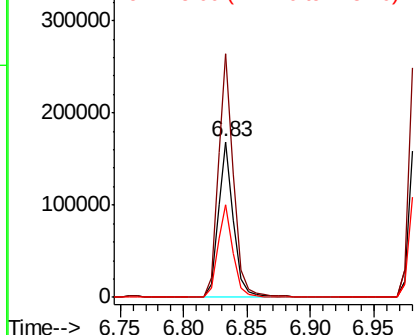
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112469.D
Acq: 8 Feb 2019 19:36

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-A

Tot Ion:152 Resp: 142883
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.0
115 59.6 45.5 68.3



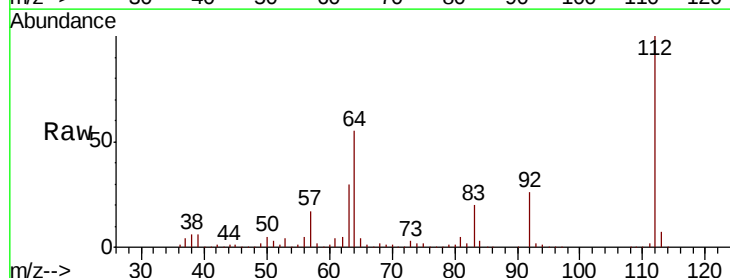
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



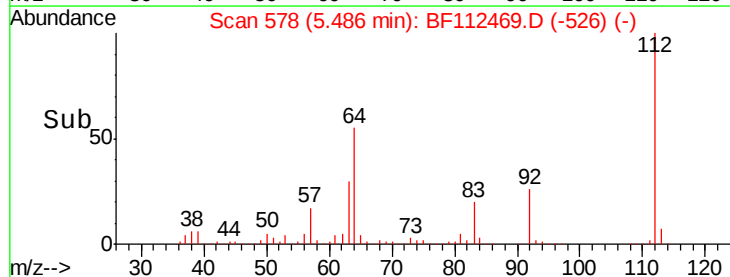
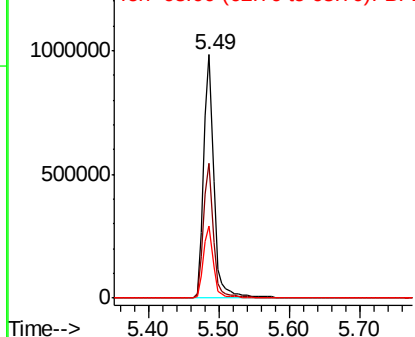
#5

2-Fluorophenol
Concen: 149.403 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112469.D
Acq: 8 Feb 2019 19:36

Tgt Ion:112 Resp: 1005017
Ion Ratio Lower Upper
112 100
64 55.2 45.7 68.5
63 29.7 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: 121.993 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-A

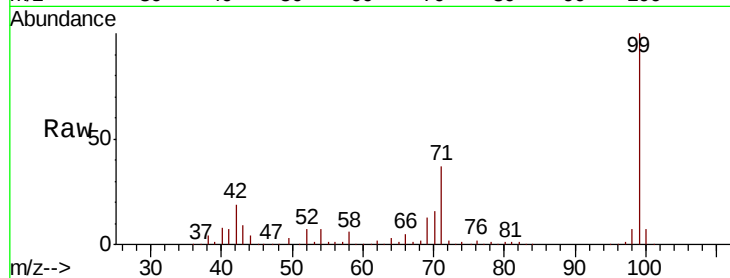
Tot Ion: 99 Resp: 1140312

Ion Ratio Lower Upper

99 100

42 19.3 15.1 22.7

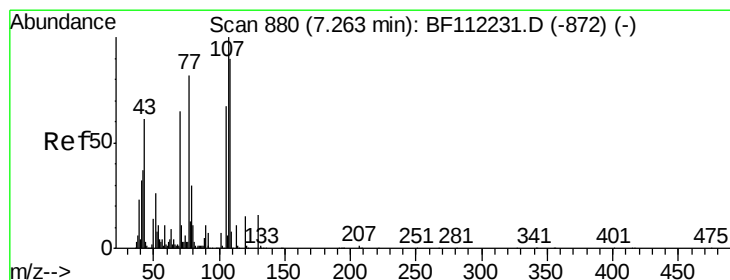
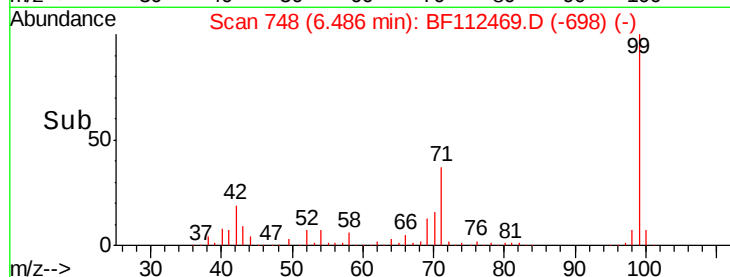
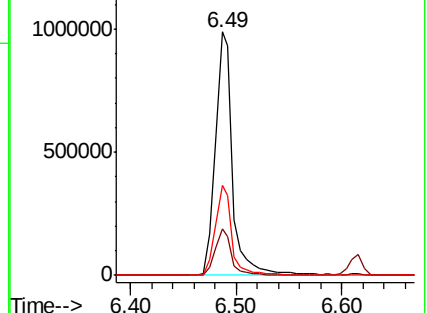
71 37.0 26.9 40.3



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: 18.455 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

Tgt Ion: 70 Resp: 118952

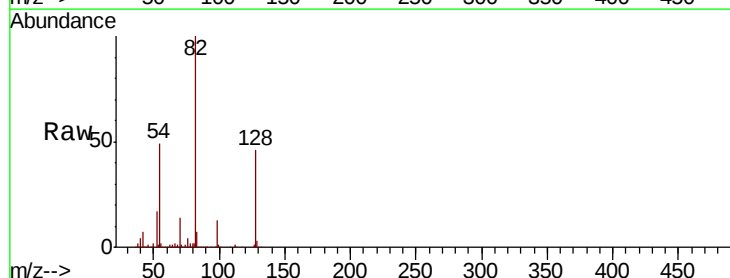
Ion Ratio Lower Upper

70 100

42 48.7 47.6 71.4

101 0.0 7.9 11.9#

130 2.0 18.4 27.6#

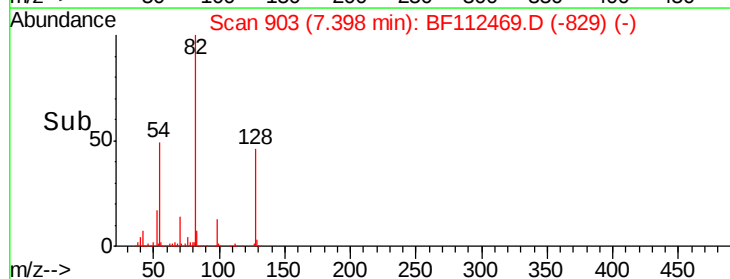
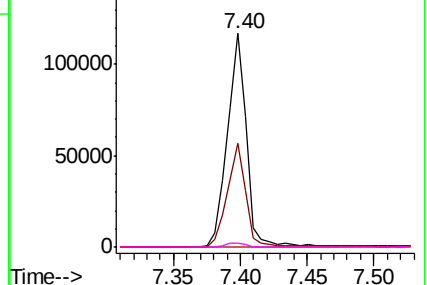


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-A

Tot Ion:136 Resp: 535337

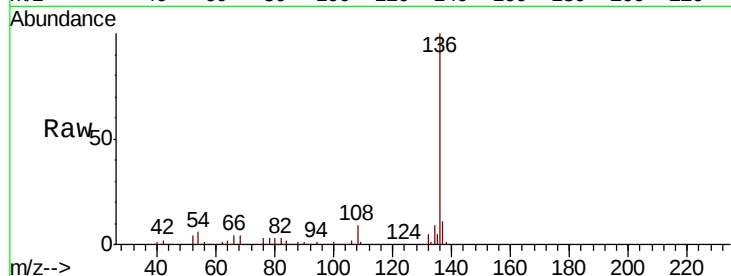
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.1 5.9 8.9

68 4.4 5.1 7.7#

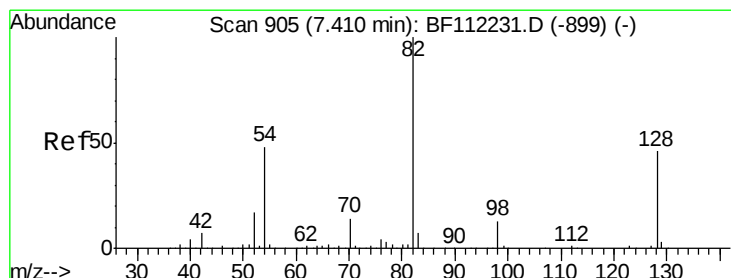
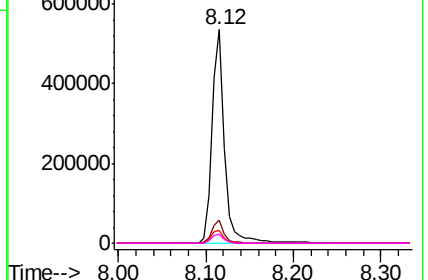
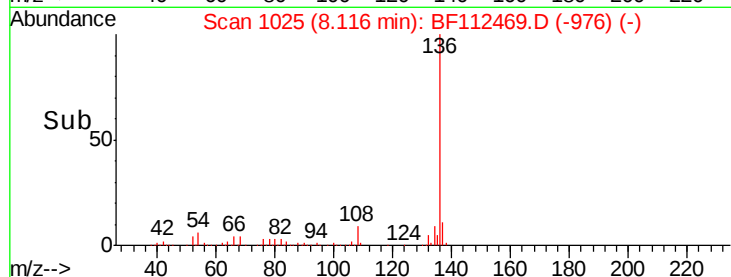


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.812 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

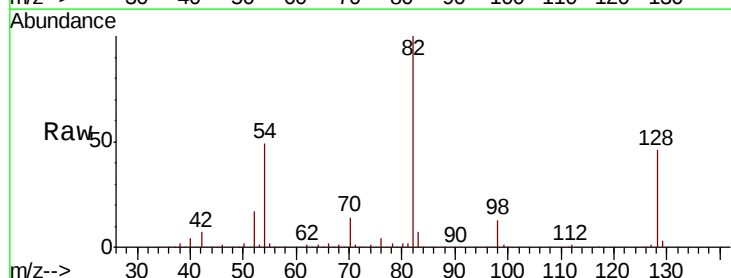
Tgt Ion: 82 Resp: 862302

Ion Ratio Lower Upper

82 100

128 45.6 37.8 56.8

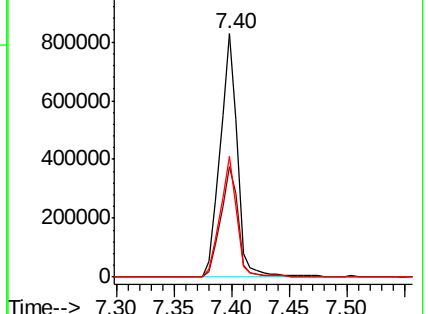
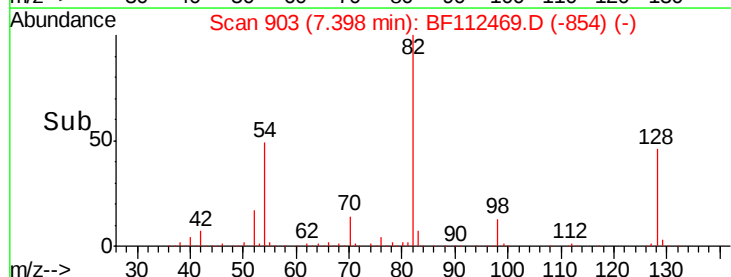
54 49.4 39.7 59.5

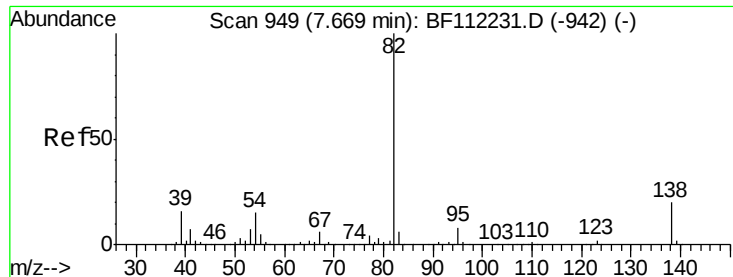


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 59.161 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

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OR-03-020719-A

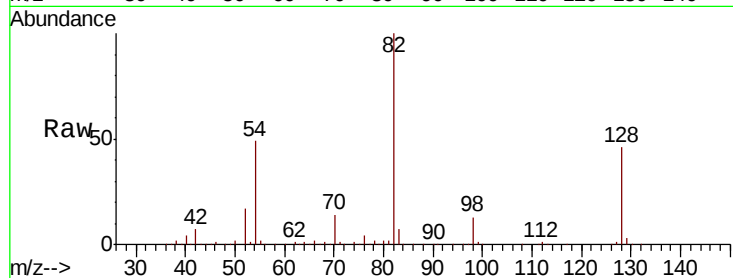
Tot Ion: 82 Resp: 862291

Ion Ratio Lower Upper

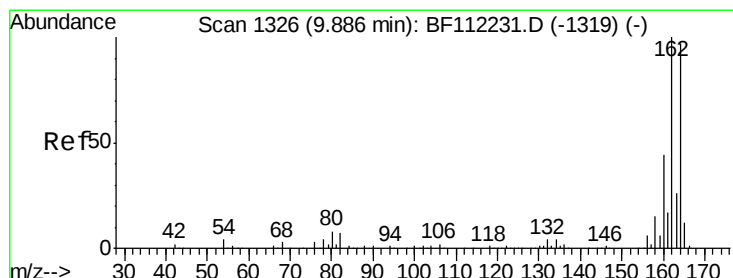
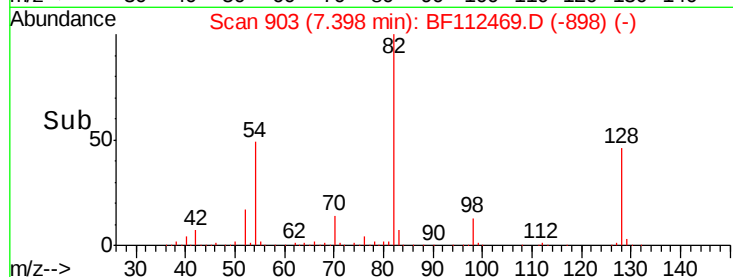
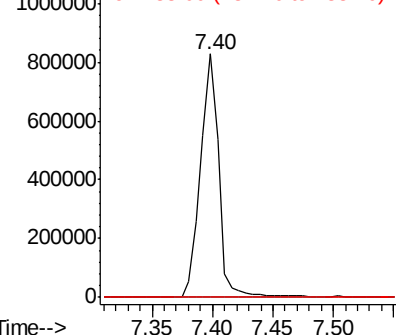
82 100

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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

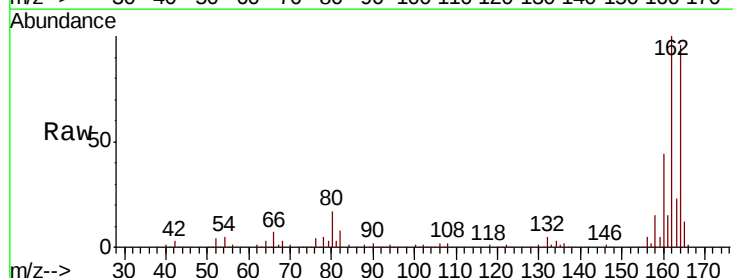
Tgt Ion: 164 Resp: 254354

Ion Ratio Lower Upper

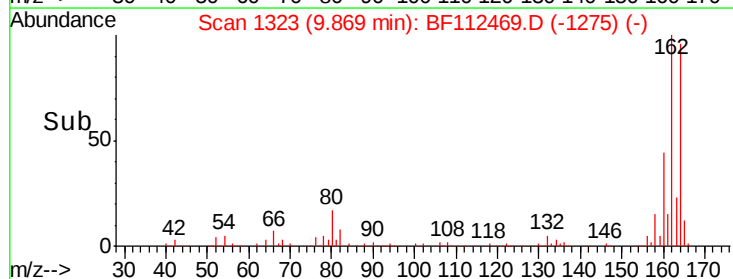
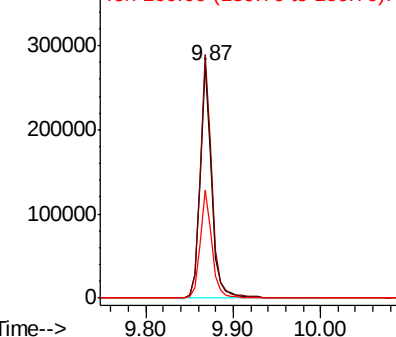
164 100

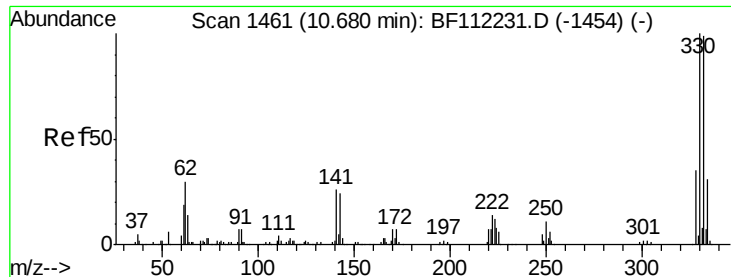
162 104.6 82.2 123.4

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: 110.175 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

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OR-03-020719-A

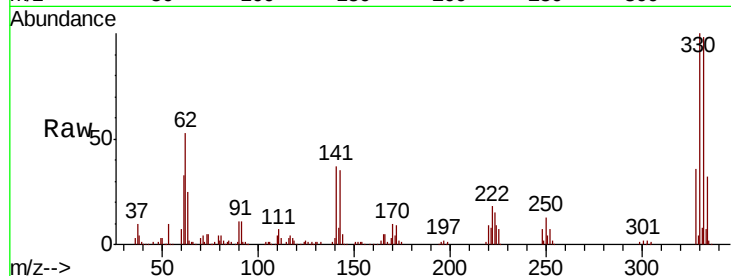
Tot Ion:330 Resp: 326185

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

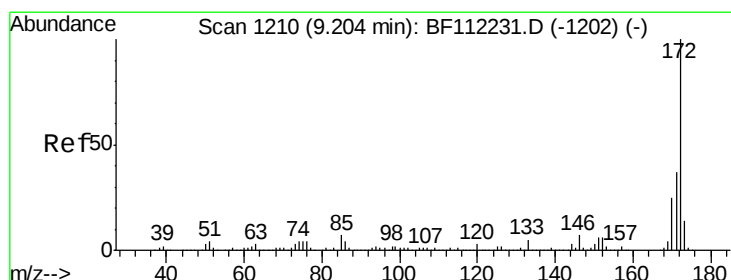
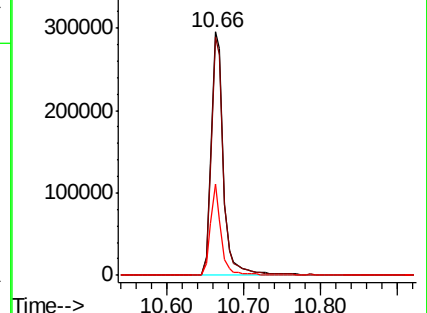
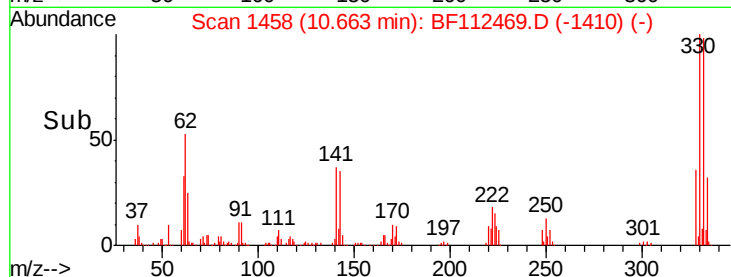
141 33.1 24.3 36.5



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: 91.103 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

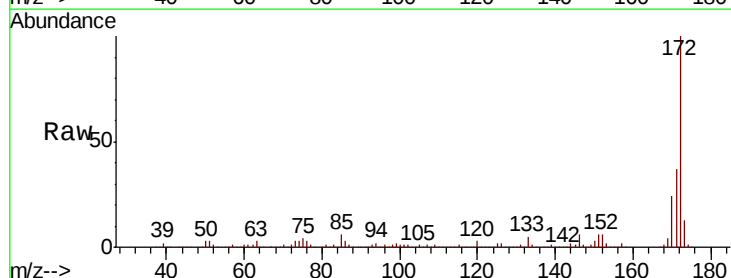
Tgt Ion:172 Resp: 1638387

Ion Ratio Lower Upper

172 100

171 36.8 30.5 45.7

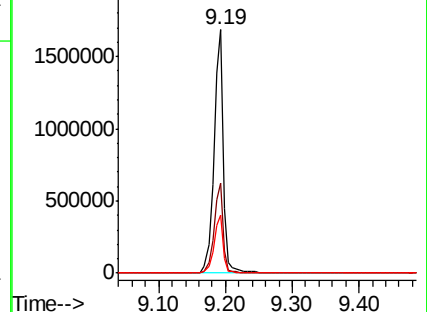
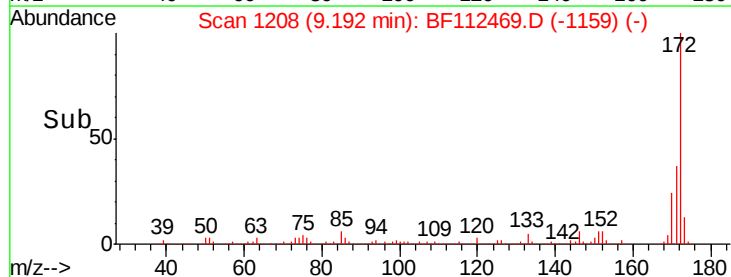
170 23.9 20.2 30.4

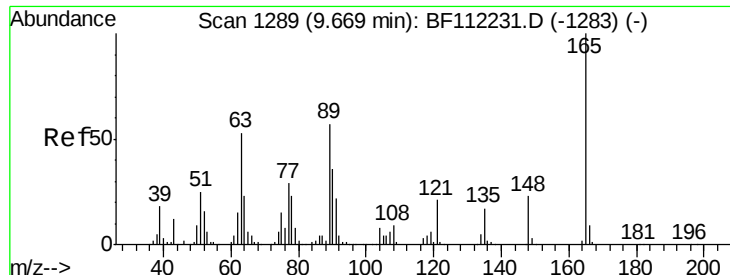


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.174 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112469.D

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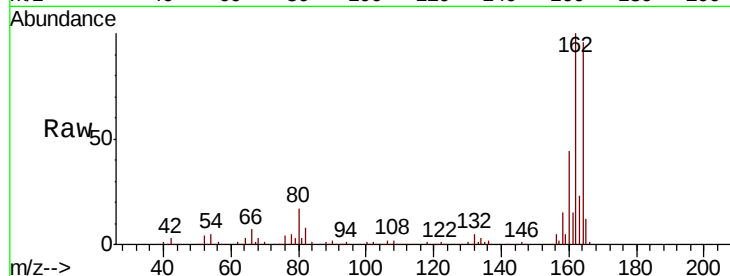
Tot Ion:165 Resp: 31751

Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.8#

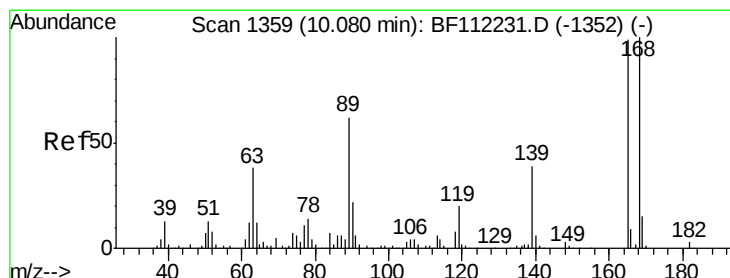
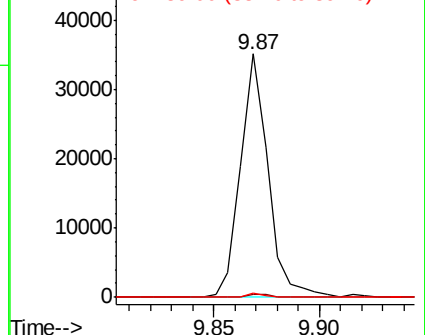
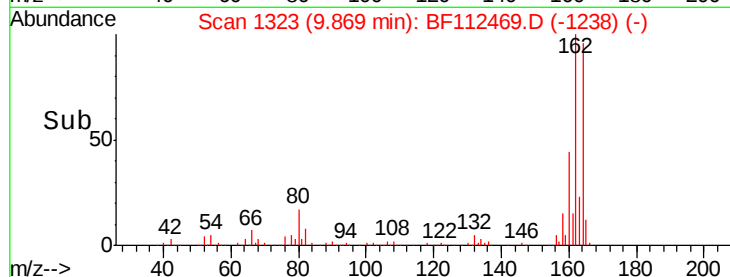
89 1.7 36.9 55.3#



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: 5.635 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

Tgt Ion:165 Resp: 31751

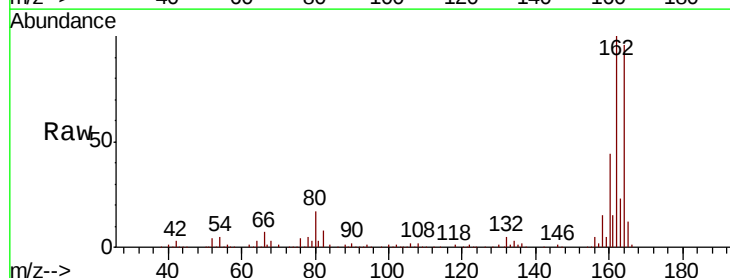
Ion Ratio Lower Upper

165 100

63 1.3 27.9 41.9#

89 1.7 47.9 71.9#

182 0.0 2.2 3.4#

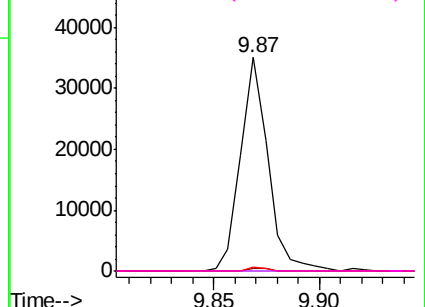
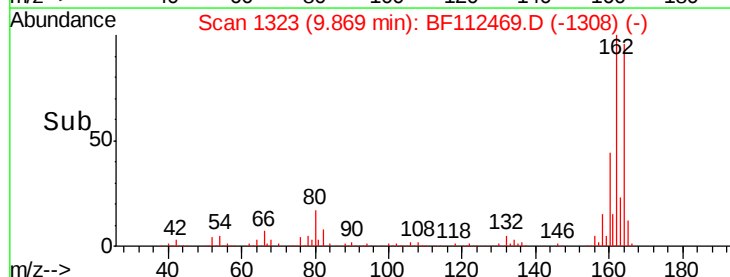


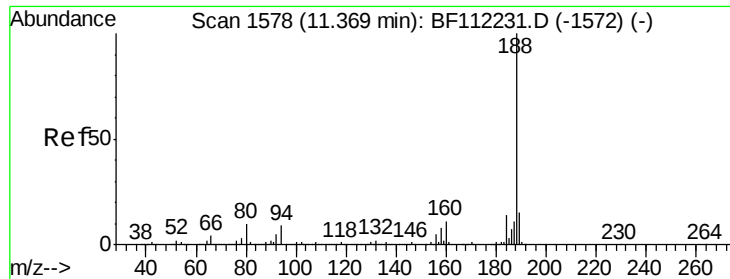
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

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OR-03-020719-A

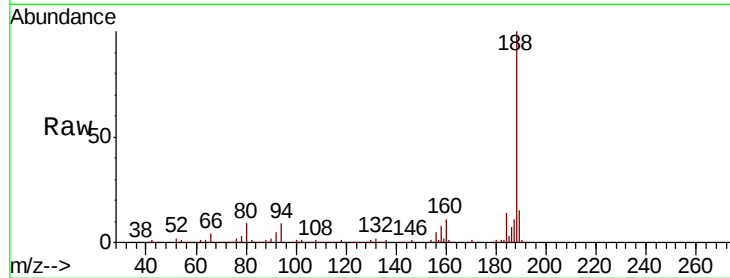
Tot Ion:188 Resp: 443138

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

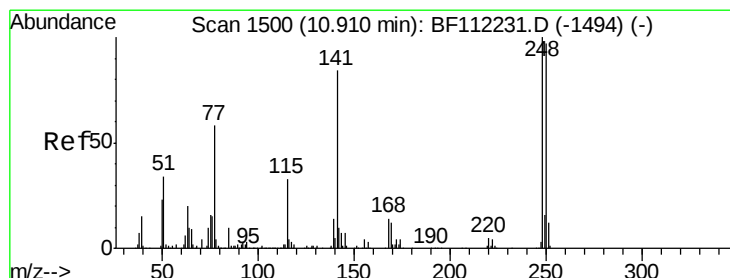
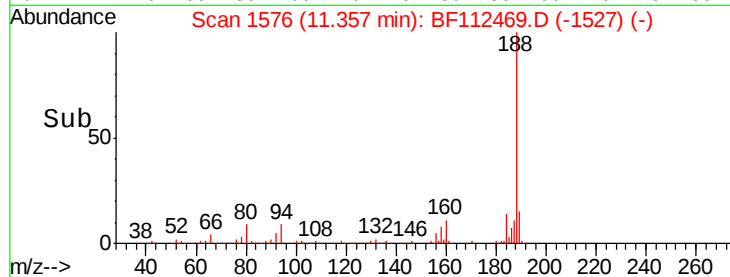
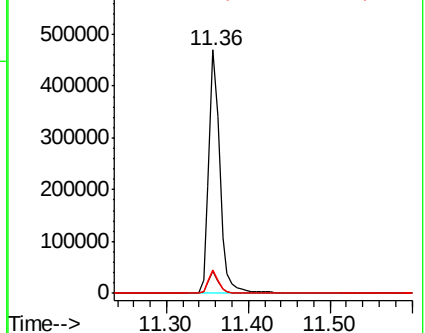
80 9.4 8.9 13.3



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: 3.823 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112469.D

Acq: 8 Feb 2019 19:36

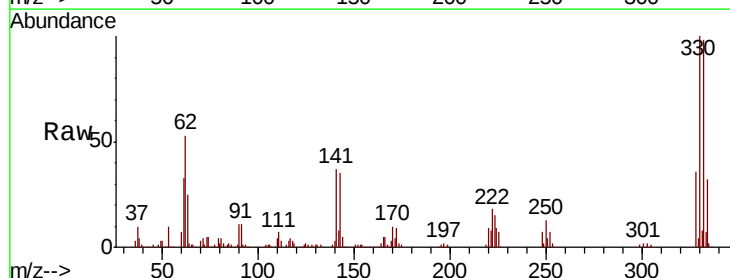
Tgt Ion:248 Resp: 19925

Ion Ratio Lower Upper

248 100

250 196.4 79.7 119.5#

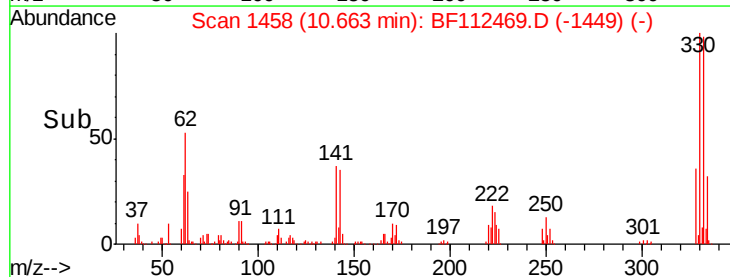
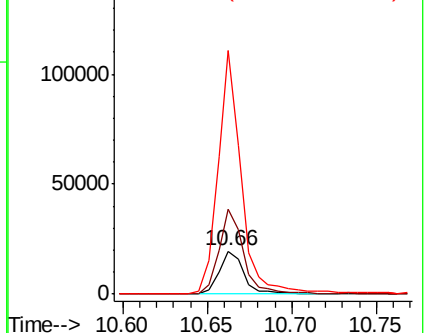
141 566.6 60.3 90.5#

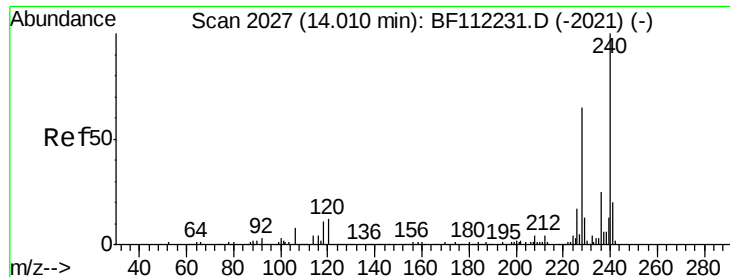


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

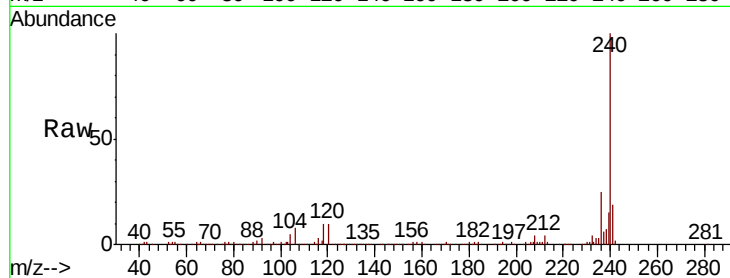




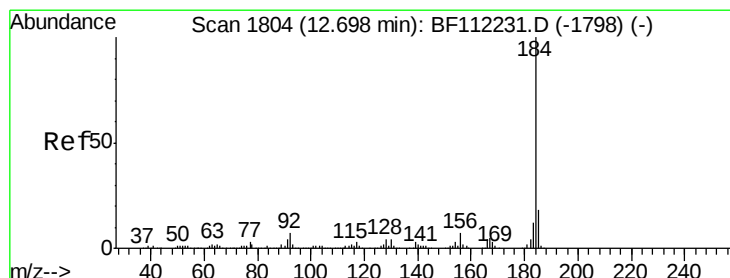
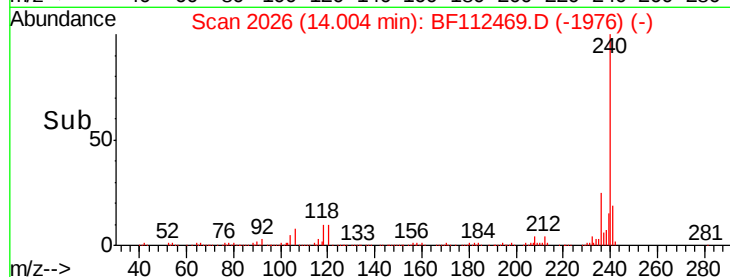
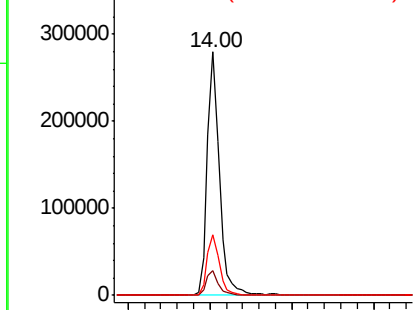
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112469.D
 Acq: 8 Feb 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-A

Tot Ion:240 Resp: 290552
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.0 13.6
 236 25.0 20.7 31.1

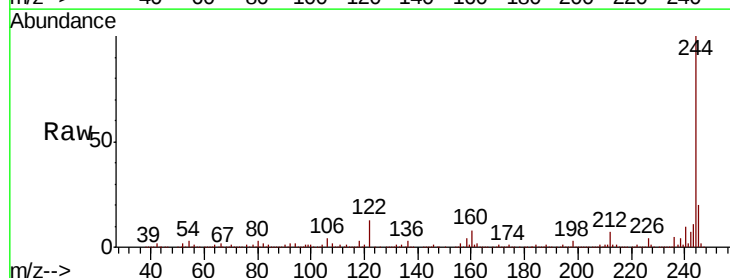


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

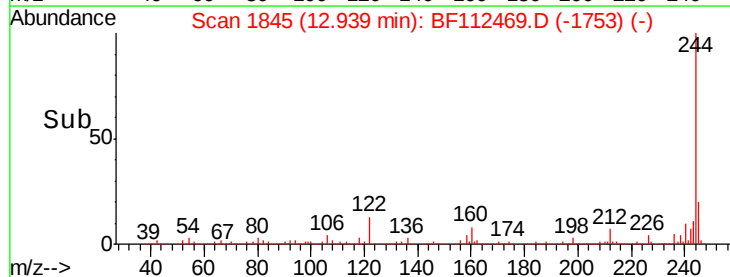
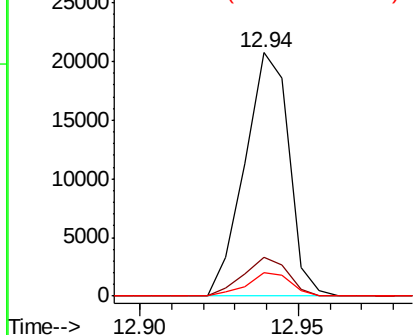


#77
 Benzidine
 Concen: 2.506 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.24 min
 Lab File: BF112469.D
 Acq: 8 Feb 2019 19:36

Tgt Ion:184 Resp: 20039
 Ion Ratio Lower Upper
 184 100
 185 15.9 13.9 20.9
 183 9.5 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

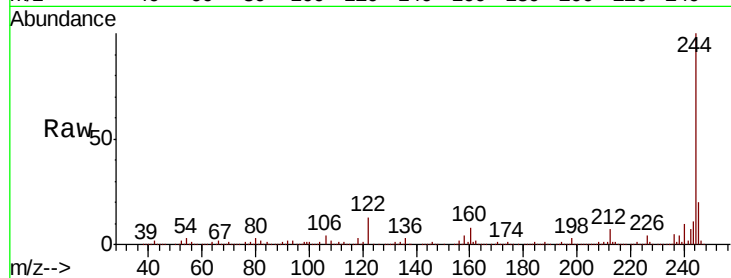




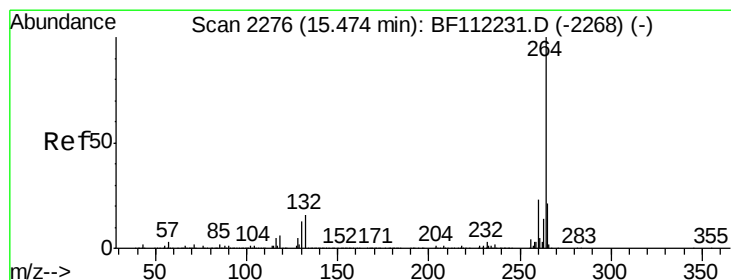
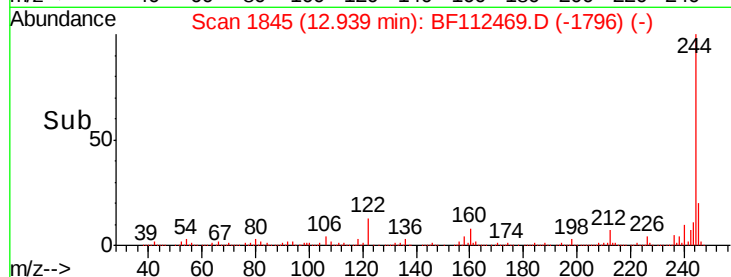
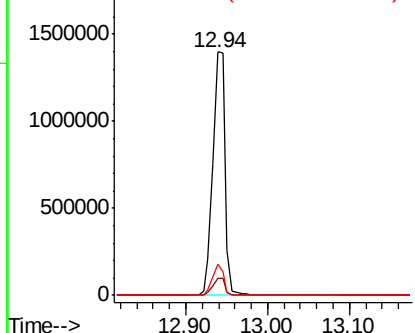
#79
 Terphenyl-d14
 Concen: 94.445 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112469.D
 Acq: 8 Feb 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-A

Tot Ion:244 Resp: 1456961
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 12.5 9.8 14.6

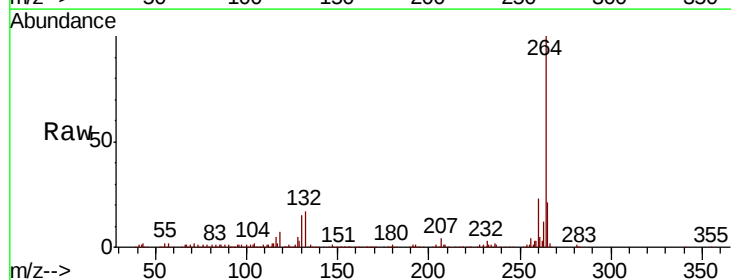


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BF112469.D
 Acq: 8 Feb 2019 19:36

Tgt Ion:264 Resp: 294191
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.2 27.2
 265 21.4 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

