

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022219\
 Data File : BF112677.D
 Acq On : 22 Feb 2019 21:05
 Operator : JU/SJ
 Sample : K1567-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Feb 22 22:17:06 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

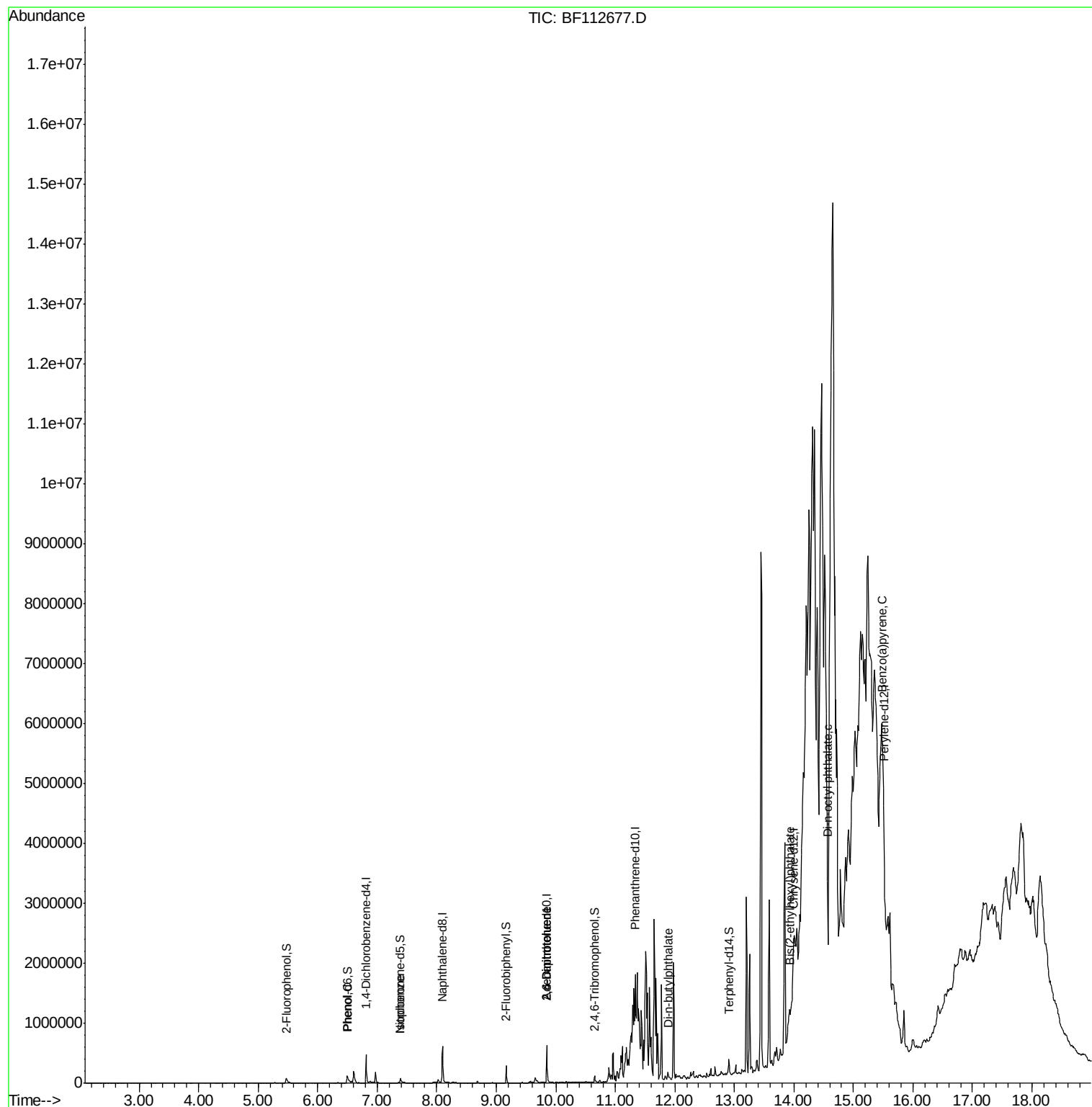
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	76945	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	306478	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	127406	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	187329	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	159721	20.00	ng	-0.02
87) Perylene-d12	15.52	264	167696	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	57691	15.93	ng	0.00
7) Phenol-d6	6.49	99	78083	15.51	ng	0.00
23) Nitrobenzene-d5	7.39	82	48319	9.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	15601	10.52	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	98497	10.93	ng	-0.04
79) Terphenyl-d14	12.91	244	72146	8.51	ng	-0.04
Target Compounds						
10) Phenol	6.51	94	26690	4.833	ng	Qvalue 80
25) Isophorone	7.39	82	48319	5.791	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	16029	7.230	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	16029	5.679	ng	# 30
74) Di-n-butylphthalate	11.89	149	57779	4.864	ng	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	49230	6.482	ng	# 99
85) Di-n-octyl phthalate	14.57	149	123035	10.530	ng	# 77
90) Benzo(a)pyrene	15.49	252	19325	2.142	ng	# 1

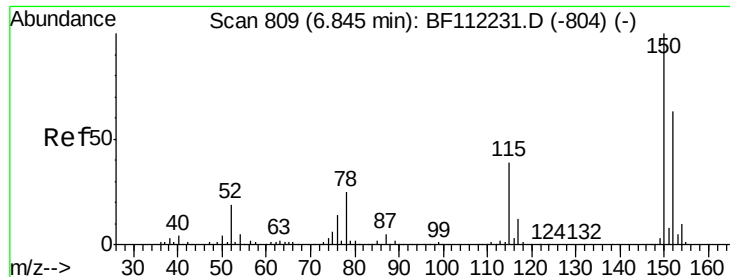
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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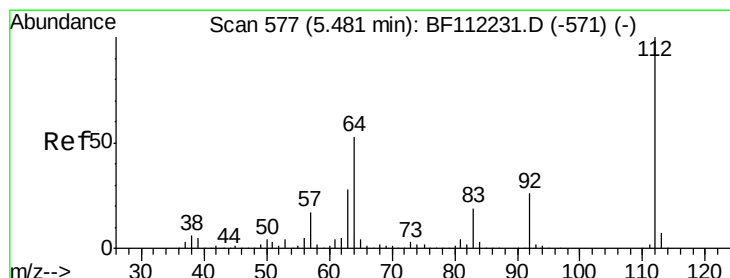
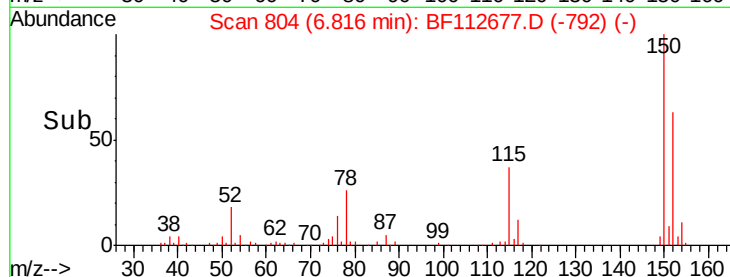
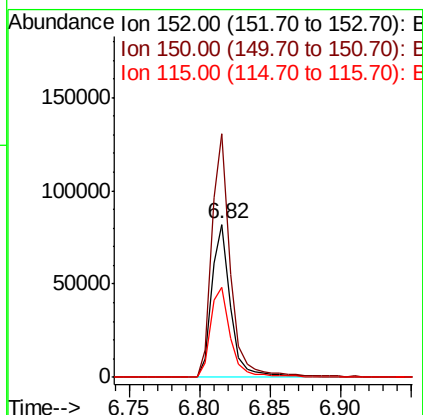
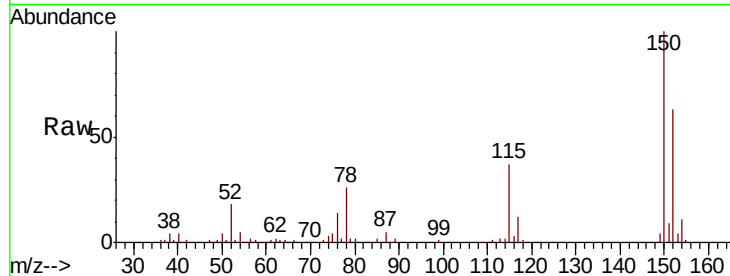


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112677.D
 Acq: 22 Feb 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

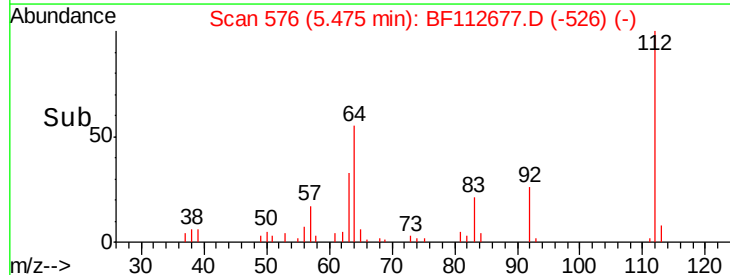
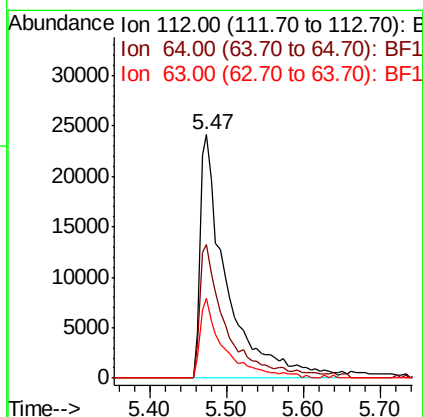
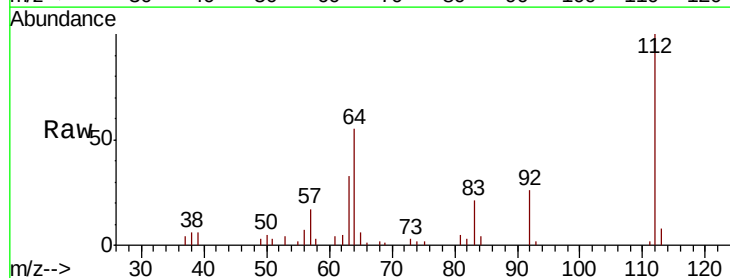
Tgt Ion:152 Resp: 76945
 Ion Ratio Lower Upper
 152 100
 150 159.0 127.4 191.0
 115 58.7 45.5 68.3

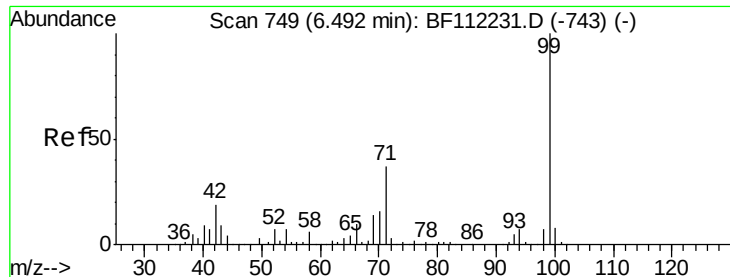


#5

2-Fluorophenol
 Concen: 15.926 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112677.D
 Acq: 22 Feb 2019 21:05

Tgt Ion:112 Resp: 57691
 Ion Ratio Lower Upper
 112 100
 64 54.9 45.7 68.5
 63 32.7 23.6 35.4





#7

Phenol-d6

Concen: 15.512 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Instrument :

BNA_F

ClientSampled :

COMP-1

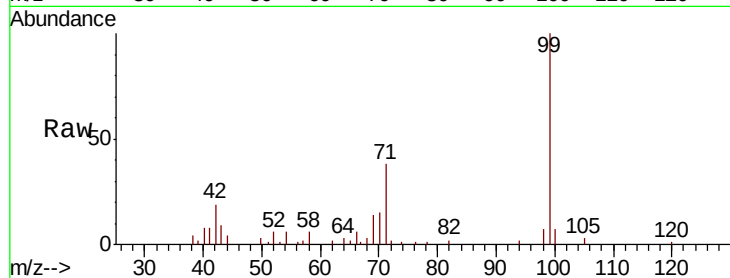
Tgt Ion: 99 Resp: 78083

Ion Ratio Lower Upper

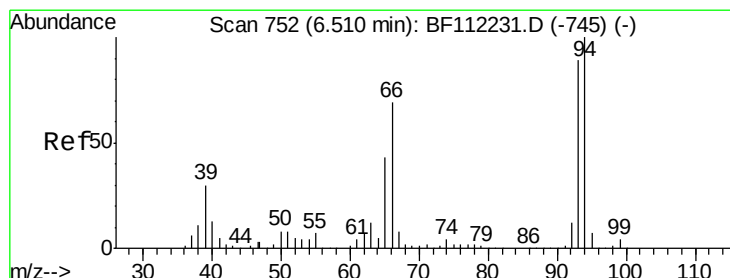
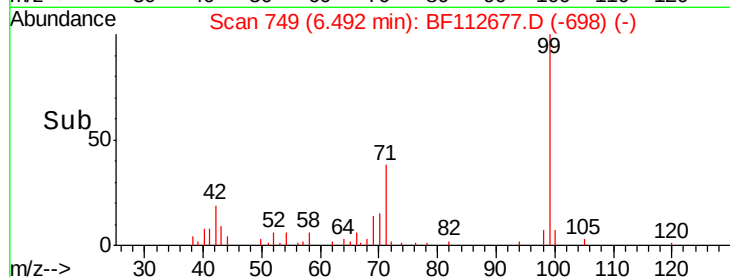
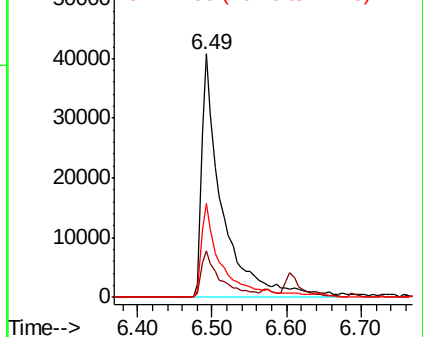
99 100

42 19.0 15.1 22.7

71 38.4 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



#10

Phenol

Concen: 4.833 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

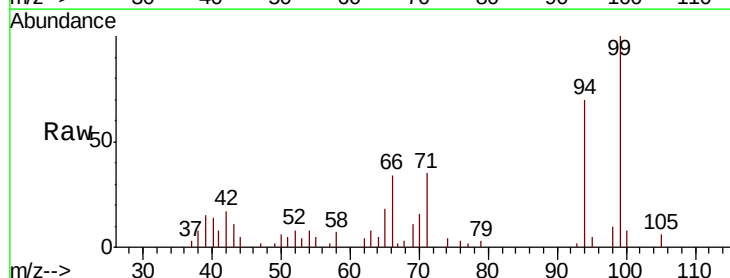
Tgt Ion: 94 Resp: 26690

Ion Ratio Lower Upper

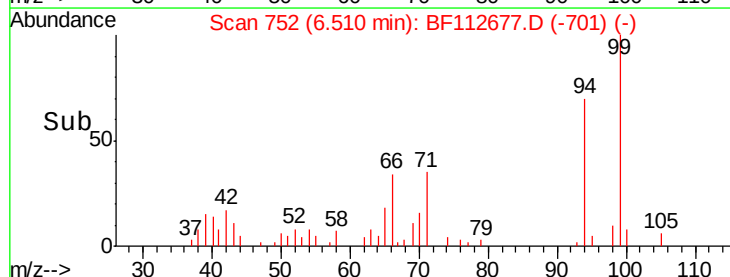
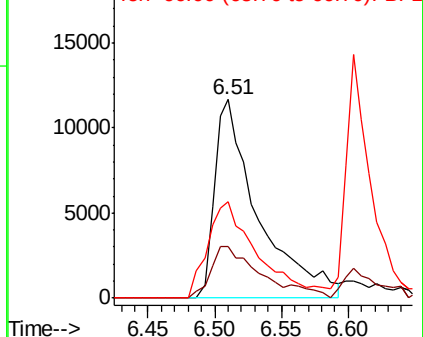
94 100

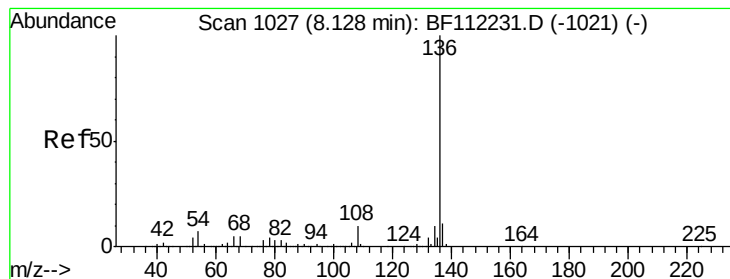
65 25.9 20.3 60.3

66 48.4 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion: 136 Resp: 306478

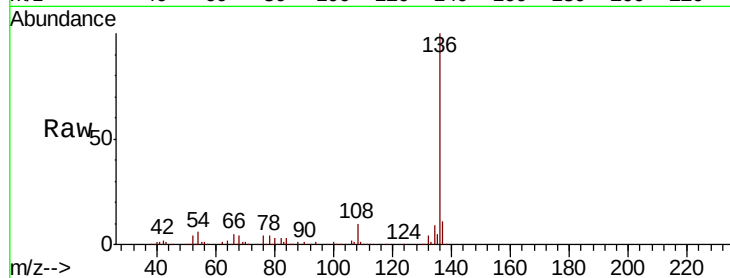
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.0 5.9 8.9

68 4.3 5.1 7.7#

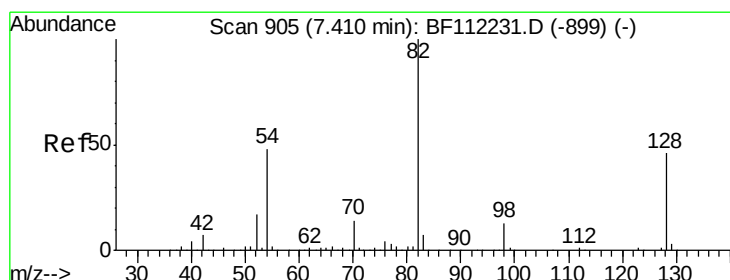
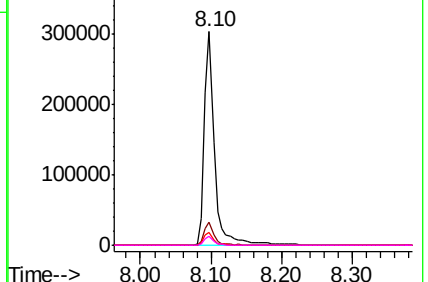
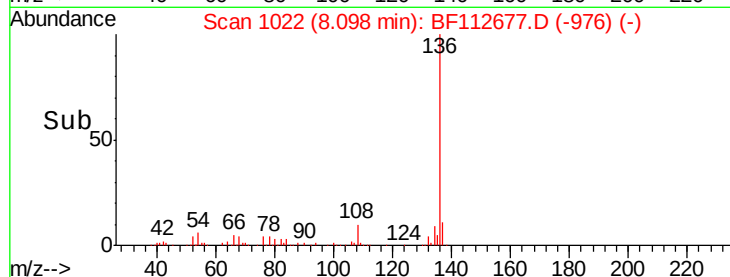


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.084 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

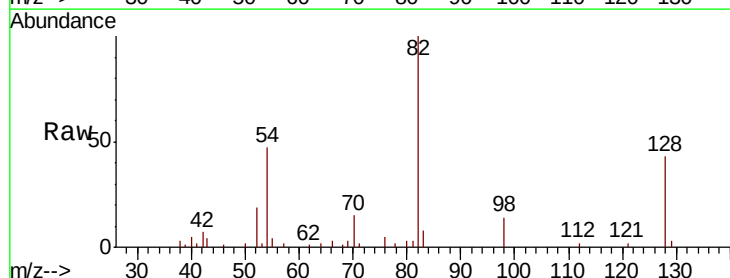
Tgt Ion: 82 Resp: 48319

Ion Ratio Lower Upper

82 100

128 43.1 37.8 56.8

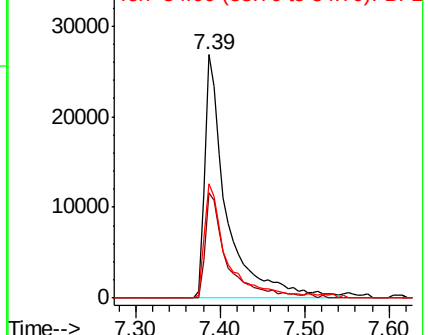
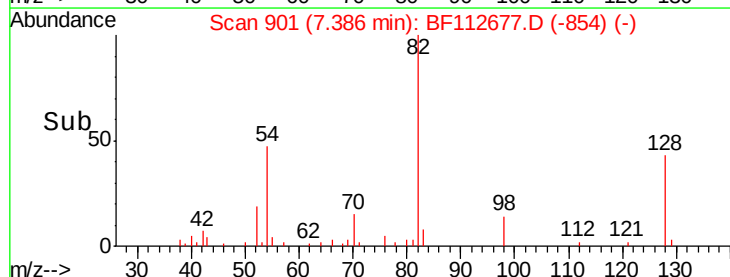
54 47.1 39.7 59.5

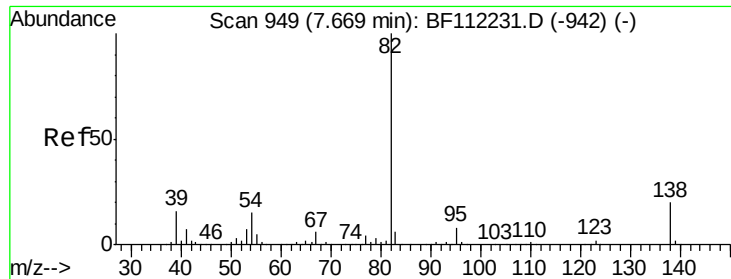


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 5.791 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Instrument :

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COMP-1

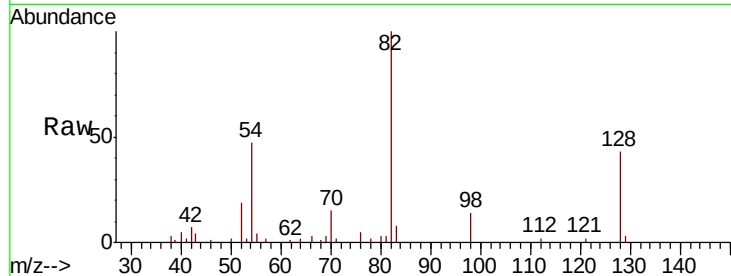
Tgt Ion: 82 Resp: 48319

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

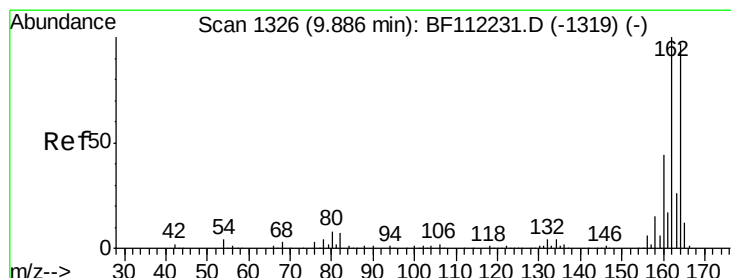
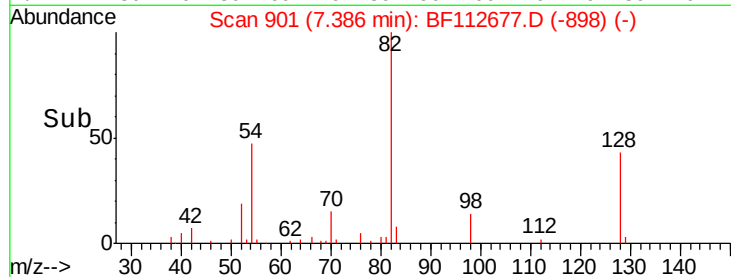
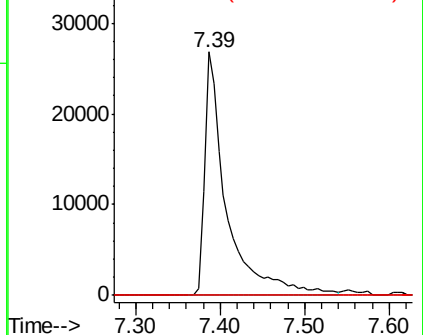
138 0.0 15.4 23.0#



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: BF112677.D

Acq: 22 Feb 2019 21:05

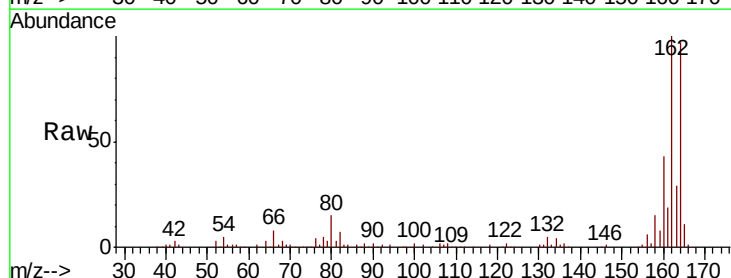
Tgt Ion: 164 Resp: 127406

Ion Ratio Lower Upper

164 100

162 103.6 82.2 123.4

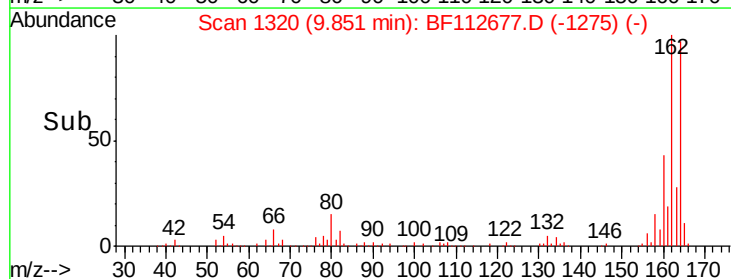
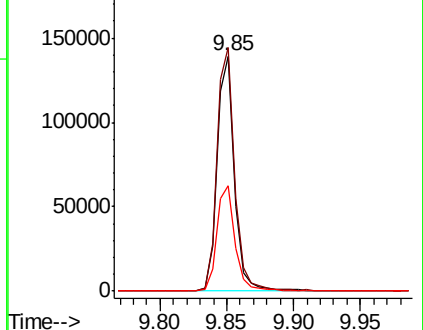
160 44.8 36.2 54.4

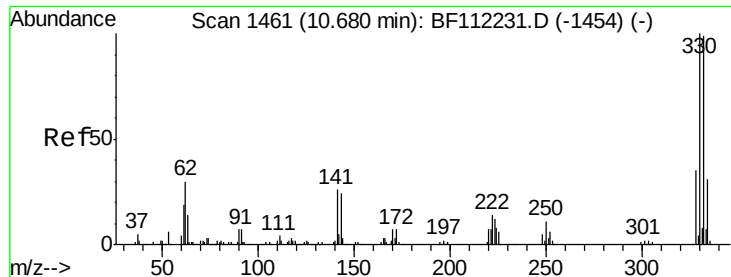


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 10.520 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.03 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

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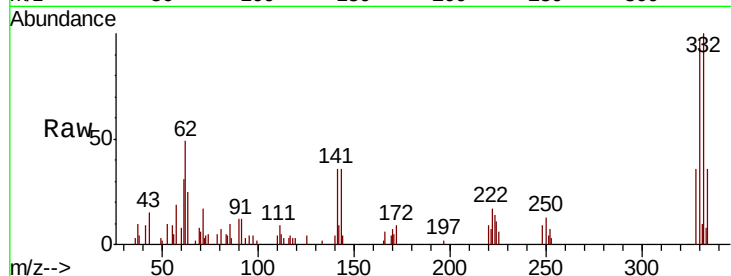
Tgt Ion:330 Resp: 15601

Ion Ratio Lower Upper

330 100

332 103.4 76.6 114.8

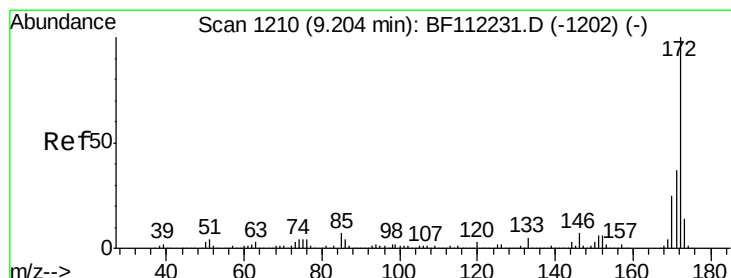
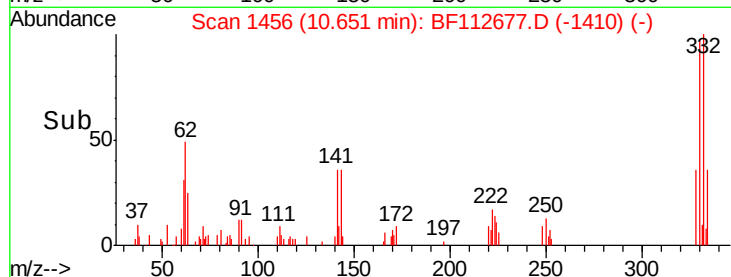
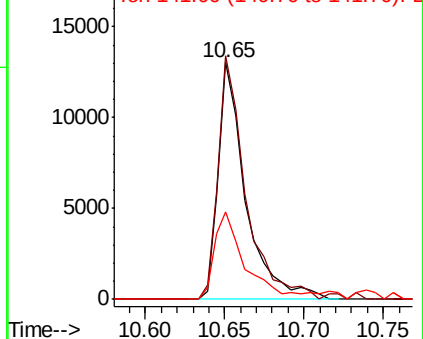
141 40.6 24.3 36.5#



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: 10.934 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

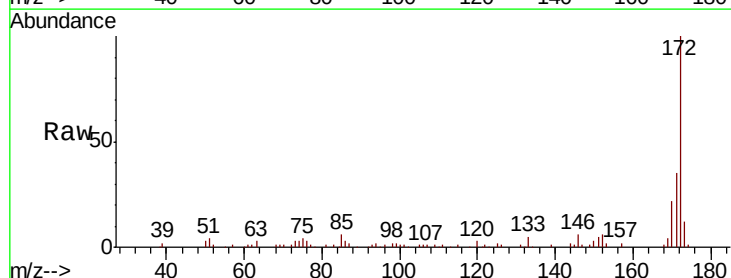
Tgt Ion:172 Resp: 98497

Ion Ratio Lower Upper

172 100

171 35.2 30.5 45.7

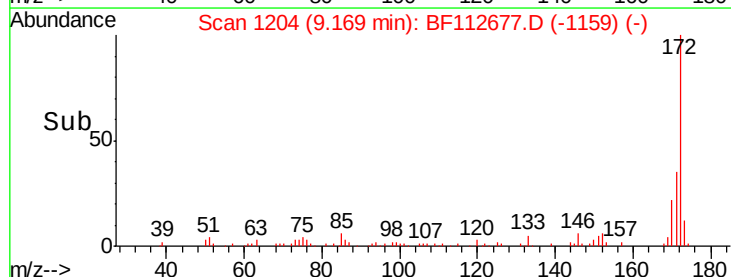
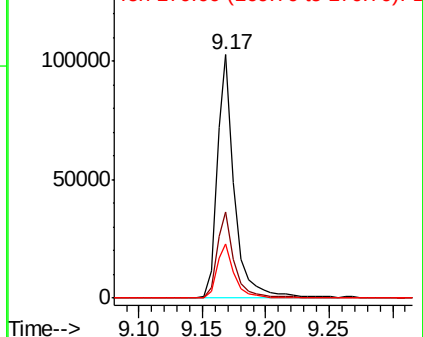
170 22.5 20.2 30.4

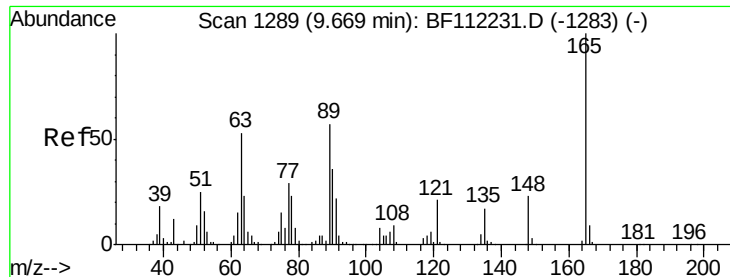


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.230 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BF112677.D

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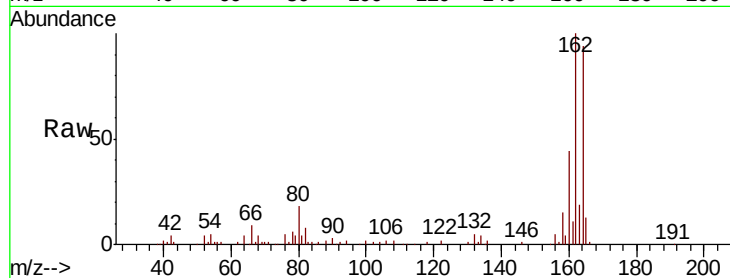
Tgt Ion:165 Resp: 16029

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

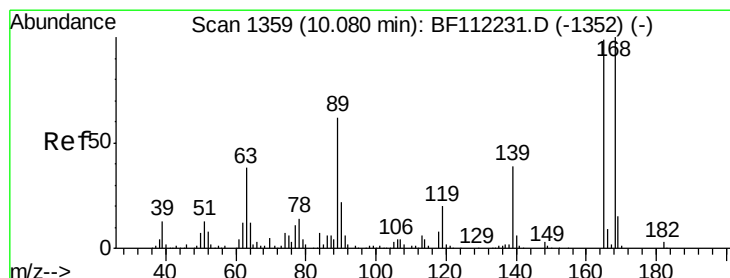
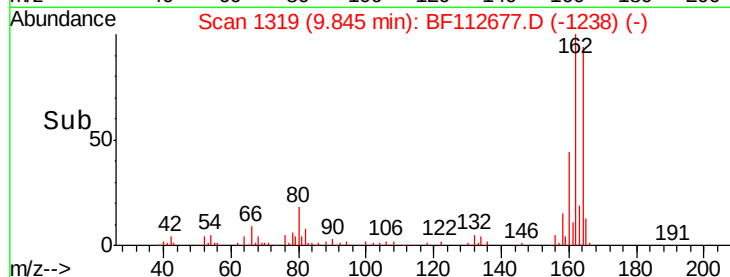
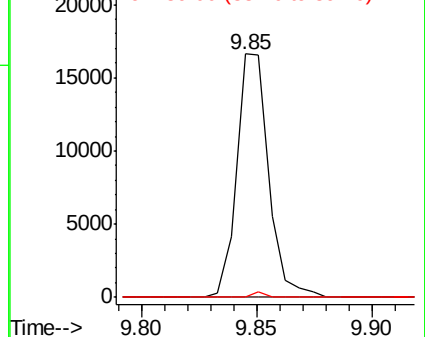
89 0.0 36.9 55.3#



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: 5.679 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Tgt Ion:165 Resp: 16029

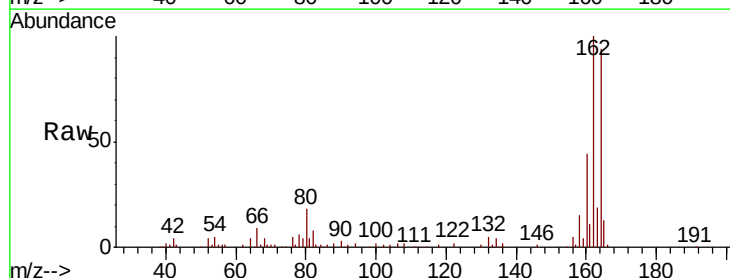
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 0.0 47.9 71.9#

182 0.0 2.2 3.4#

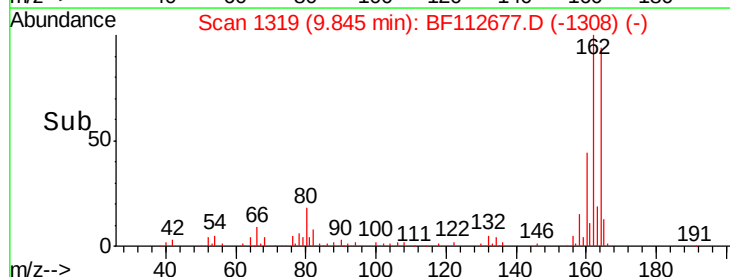
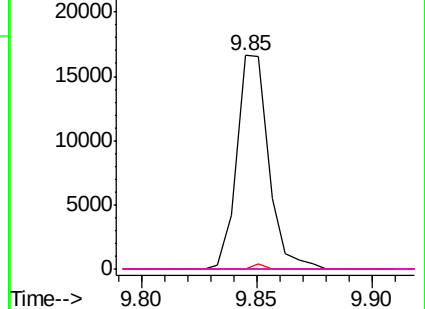


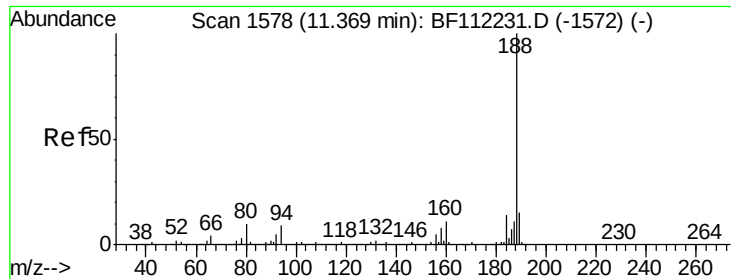
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112677.D

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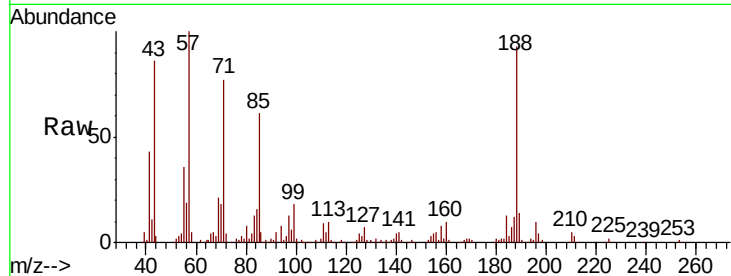
Tgt Ion:188 Resp: 187329

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

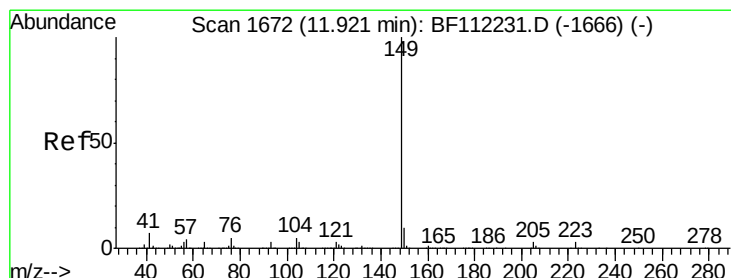
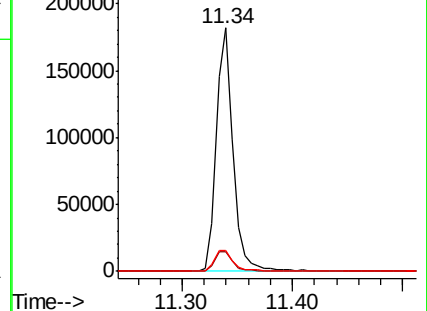
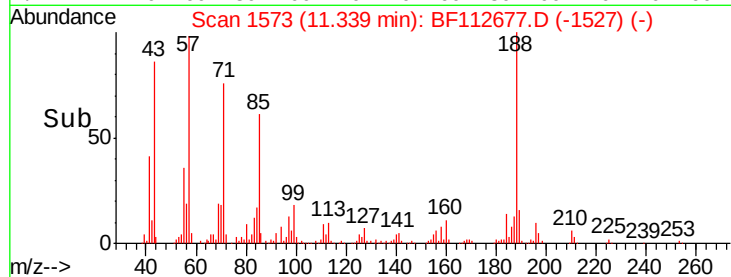
80 8.8 8.9 13.3#



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



#74

Di-n-butylphthalate

Concen: 4.864 ng

RT: 11.89 min Scan# 1666

Delta R.T. -0.04 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

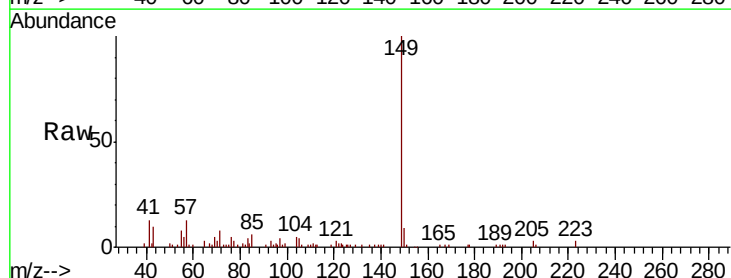
Tgt Ion:149 Resp: 57779

Ion Ratio Lower Upper

149 100

150 9.2 8.1 12.1

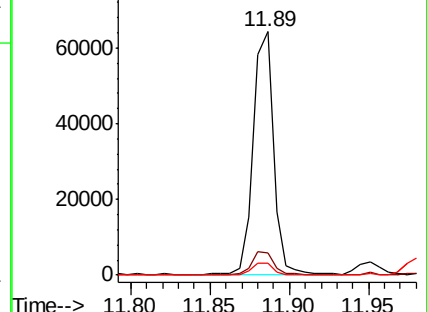
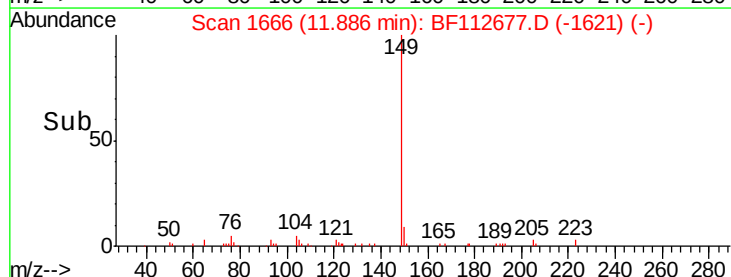
104 5.1 3.9 5.9

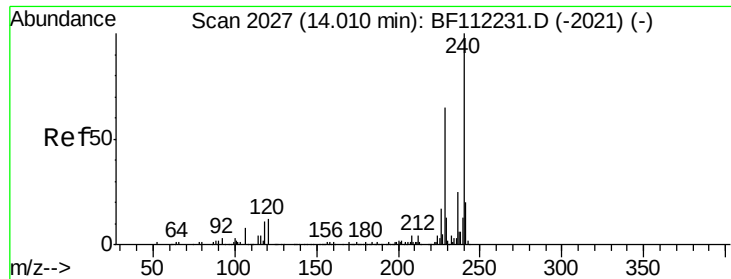


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

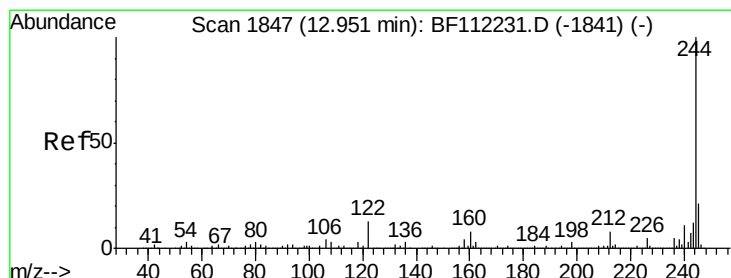
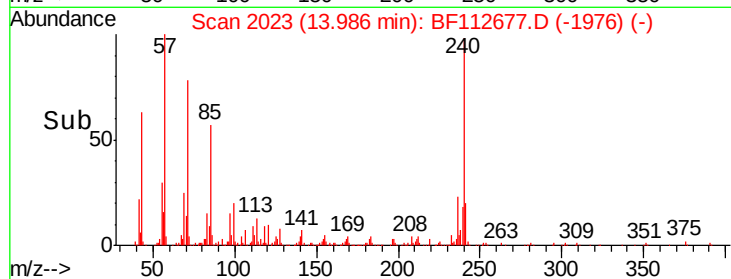
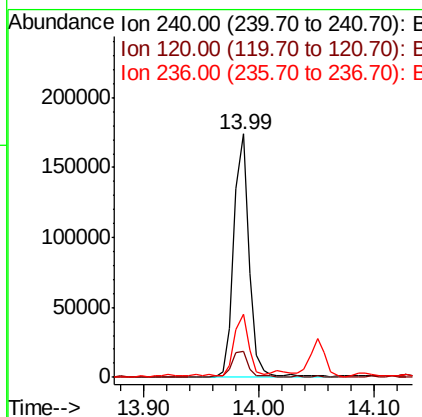
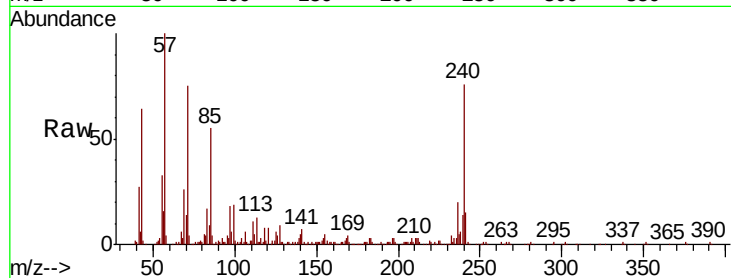




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF112677.D
Acq: 22 Feb 2019 21:05

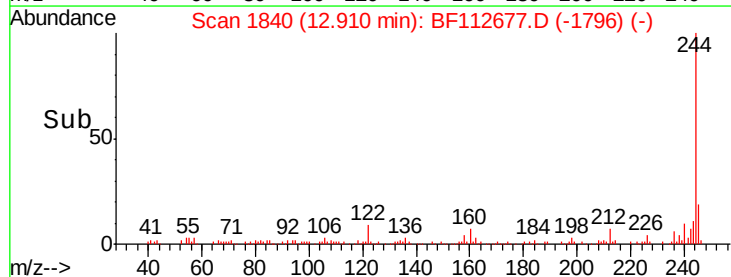
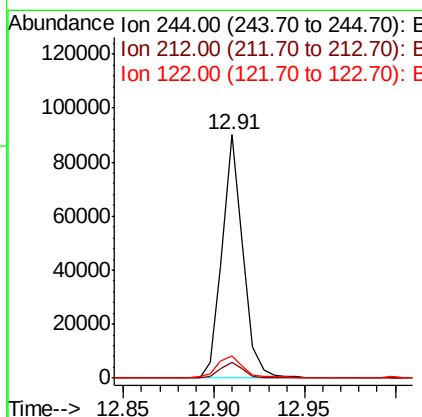
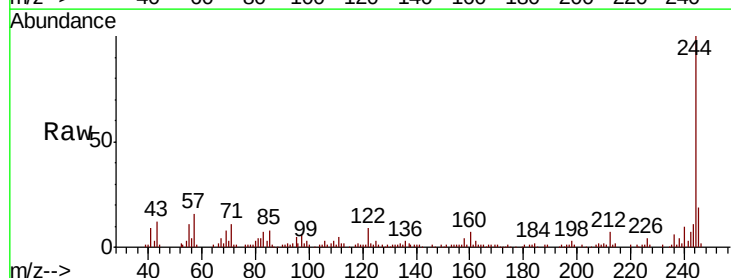
Instrument :
BNA_F
ClientSampleId :
COMP-1

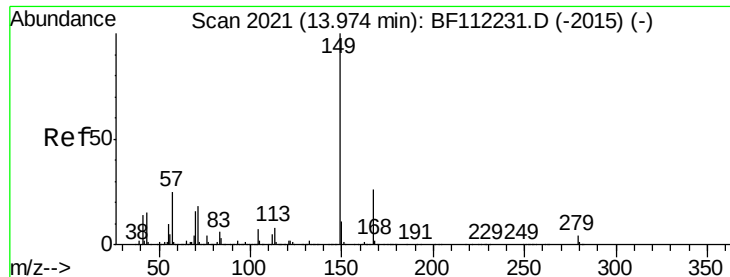
Tgt Ion:240 Resp: 159721
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.6
236 25.9 20.7 31.1



#79
Terphenyl-d14
Concen: 8.508 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.04 min
Lab File: BF112677.D
Acq: 22 Feb 2019 21:05

Tgt Ion:244 Resp: 72146
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 8.9 9.8 14.6#





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.482 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

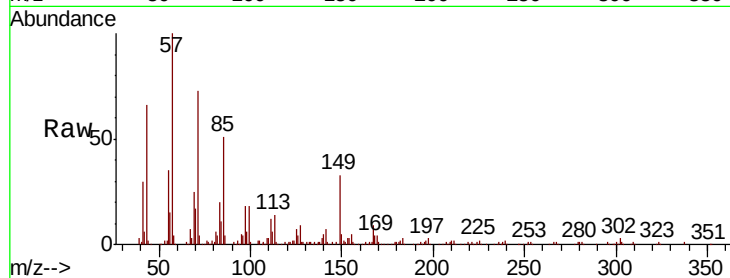
Tgt Ion:149 Resp: 49230

Ion Ratio Lower Upper

149 100

167 28.4 22.5 33.7

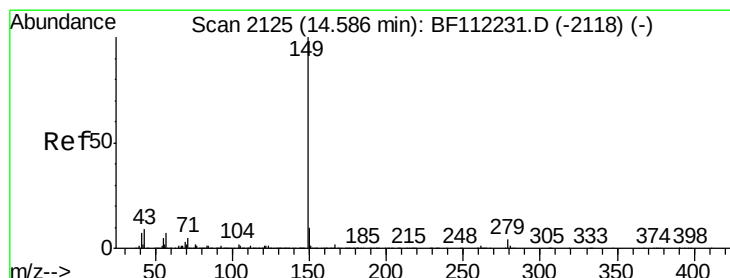
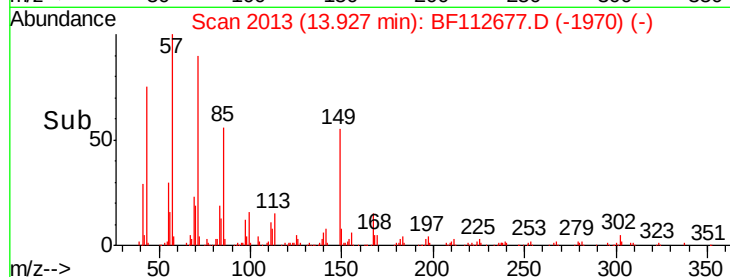
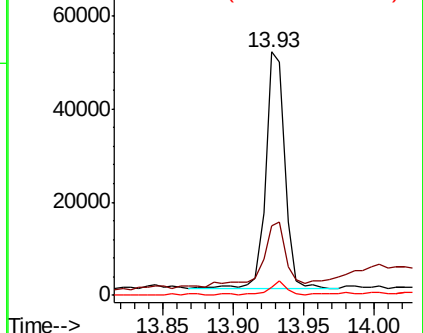
279 3.2 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 10.530 ng

RT: 14.57 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

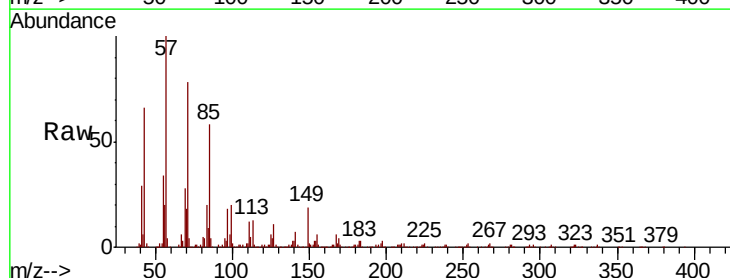
Tgt Ion:149 Resp: 123035

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

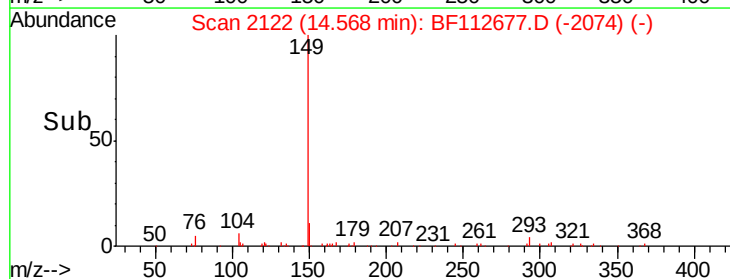
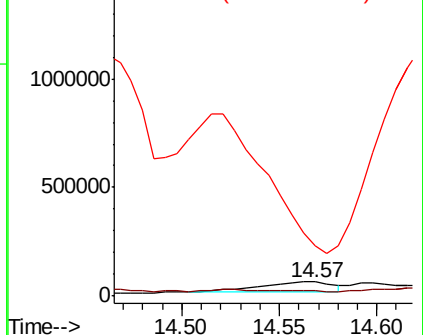
43 0.0 7.8 11.6#

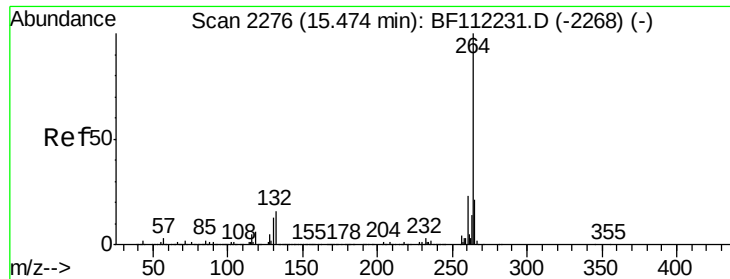


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

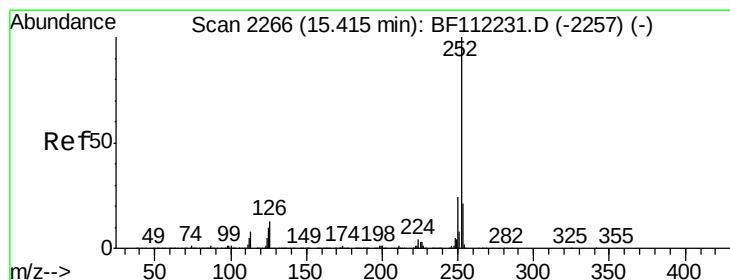
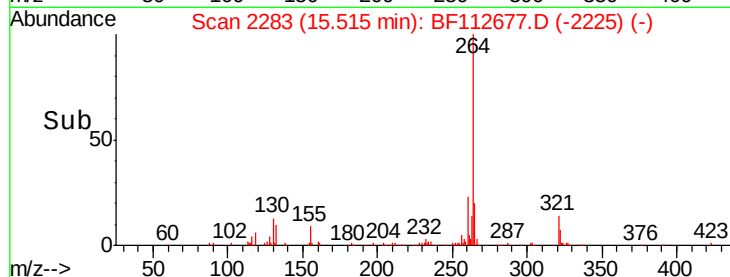
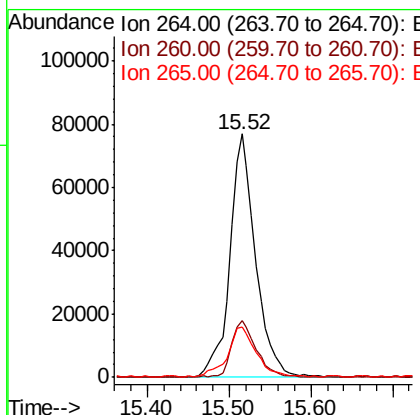
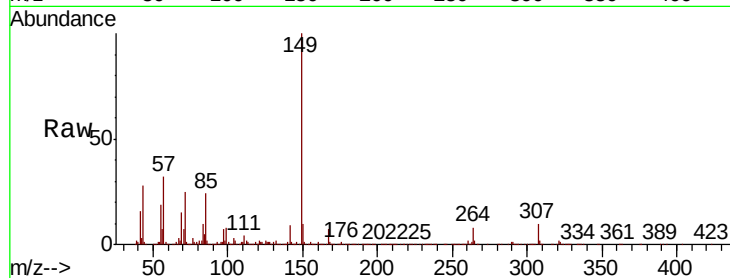




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.04 min
Lab File: BF112677.D
Acq: 22 Feb 2019 21:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:264 Resp: 167696
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.2
265 20.4 17.0 25.4



#90
Benzo(a)pyrene
Concen: 2.142 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.07 min
Lab File: BF112677.D
Acq: 22 Feb 2019 21:05

Tgt Ion:252 Resp: 19325
Ion Ratio Lower Upper
252 100
253 15.3 17.5 26.3#
125 124.7 9.0 13.4#

