

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021919\
 Data File : BF112626.D
 Acq On : 19 Feb 2019 17:40
 Operator : JU/SJ
 Sample : K1515-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-13

Quant Time: Feb 19 23:37:20 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

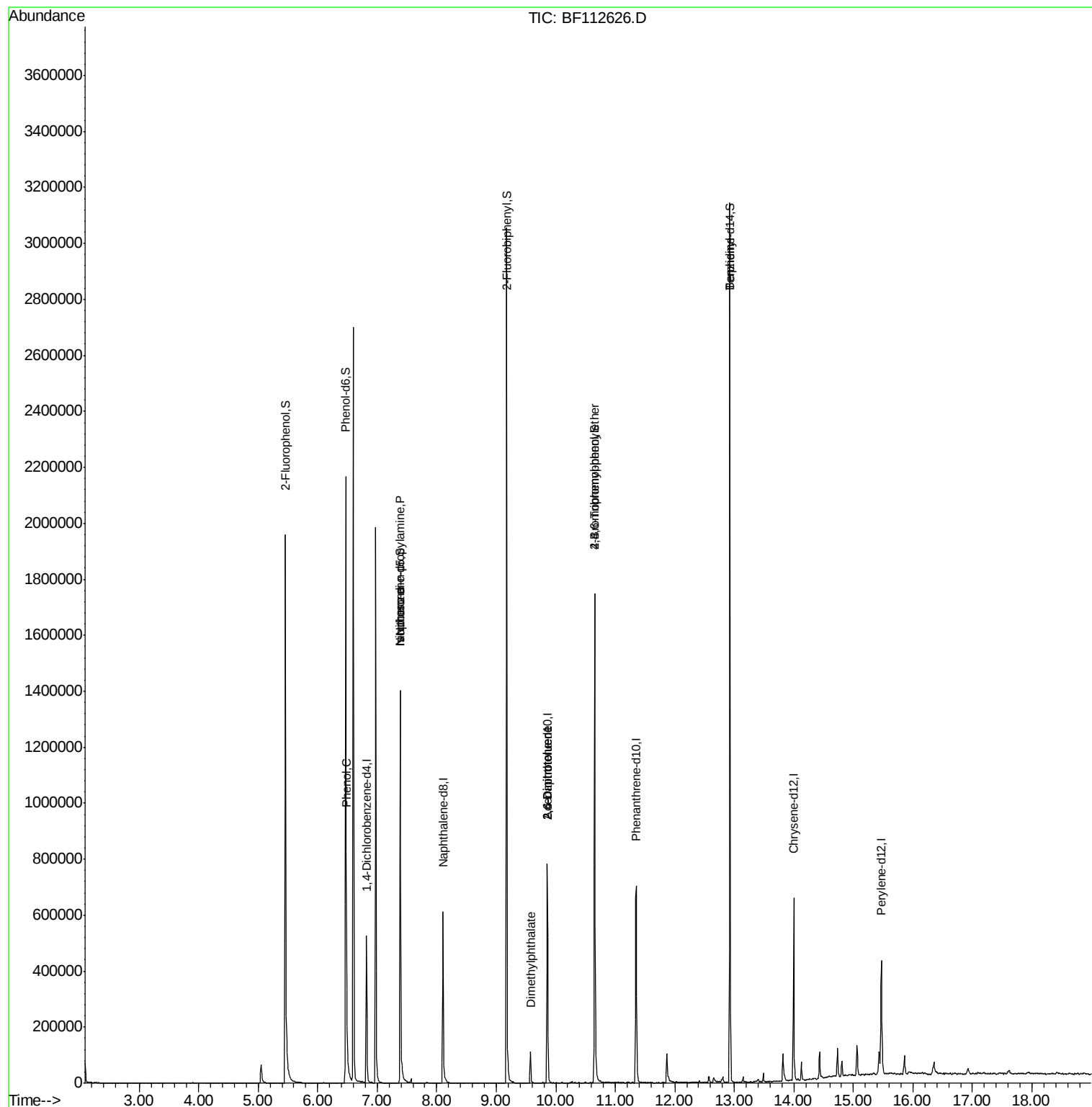
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	83904	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	322748	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	157717	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	309611	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	242803	20.00	ng	-0.01
87) Perylene-d12	15.47	264	210969	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	622393	157.56	ng	-0.02
7) Phenol-d6	6.47	99	774056	141.02	ng	-0.02
23) Nitrobenzene-d5	7.39	82	498517	89.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	255849	139.37	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	965173	86.55	ng	-0.03
79) Terphenyl-d14	12.93	244	997758	77.40	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	20537	3.410	ng	88
19) n-Nitroso-di-n-propylamine	7.39	70	68344	18.057	ng	# 76
25) Isophorone	7.39	82	498514	56.731	ng	# 63
50) Dimethylphthalate	9.57	163	57146	4.664	ng	96
51) 2,6-Dinitrotoluene	9.86	165	19976	7.279	ng	# 34
57) 2,4-Dinitrotoluene	9.86	165	19976	5.718	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	15576	4.277	ng	# 1
77) Benzidine	12.93	184	14082	2.107	ng	# 96

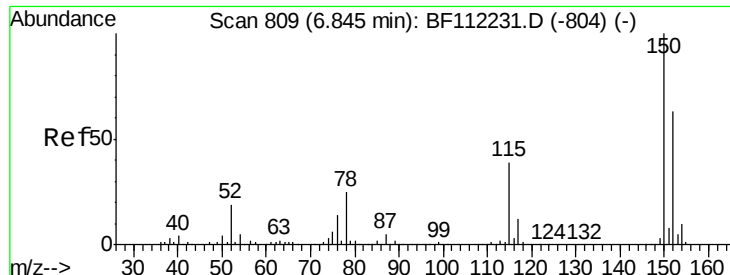
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

Instrument :

BNA_F

ClientSampleId :

TS-13

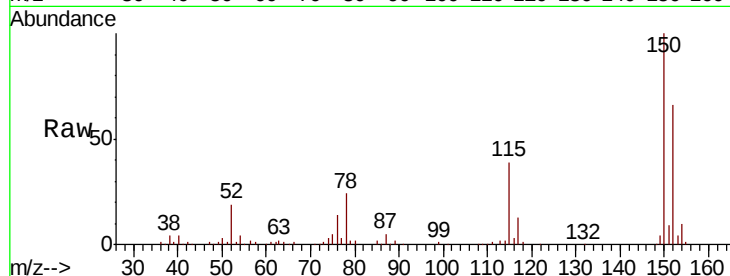
Tgt Ion:152 Resp: 83904

Ion Ratio Lower Upper

152 100

150 152.2 127.4 191.0

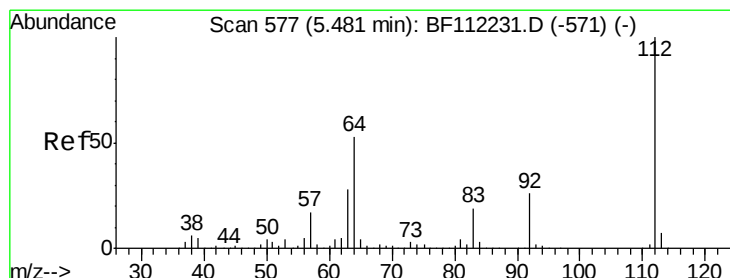
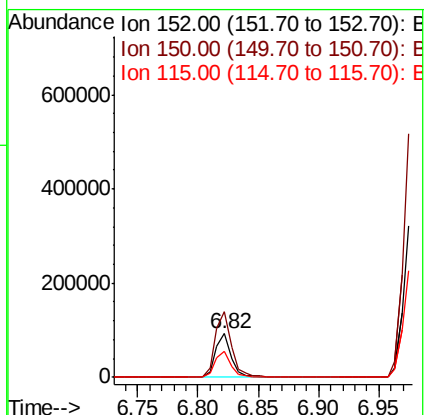
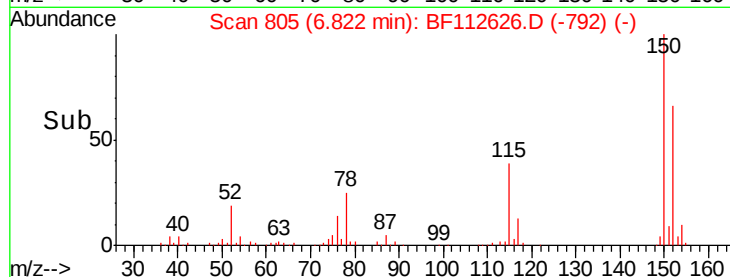
115 59.3 45.5 68.3



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: 157.561 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

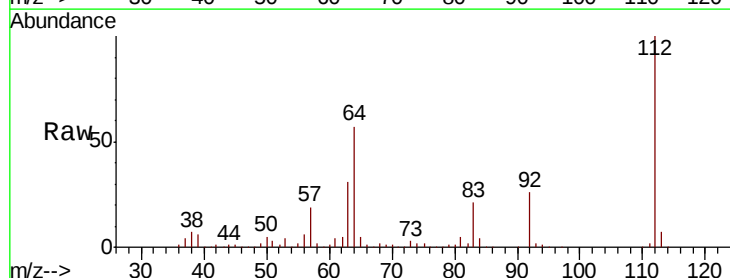
Tgt Ion:112 Resp: 622393

Ion Ratio Lower Upper

112 100

64 56.5 45.7 68.5

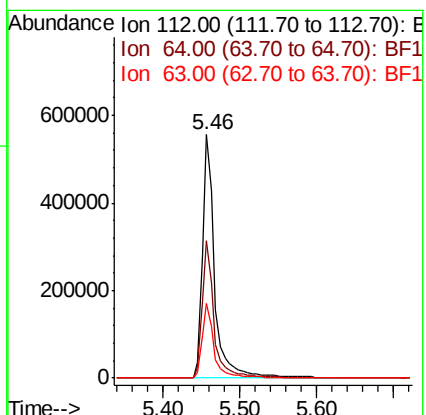
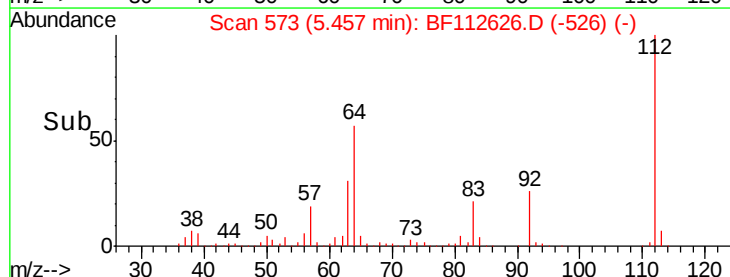
63 30.9 23.6 35.4

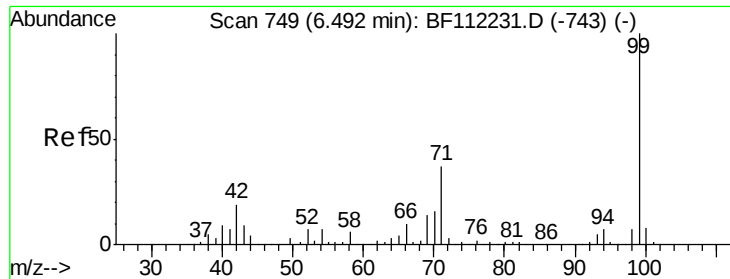


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 141.021 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

Instrument :

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ClientSampleId :

TS-13

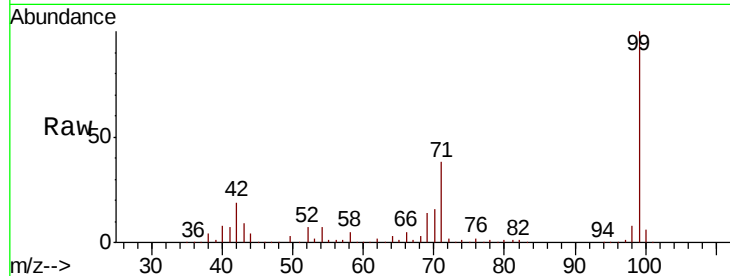
Tgt Ion: 99 Resp: 774056

Ion Ratio Lower Upper

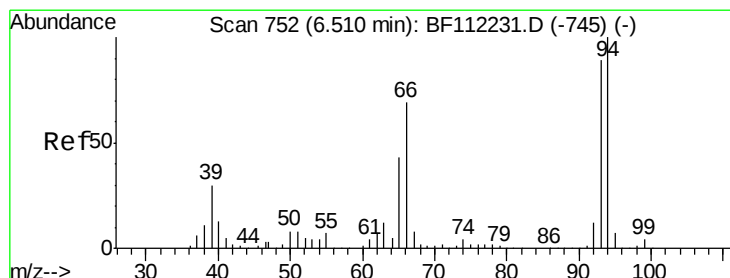
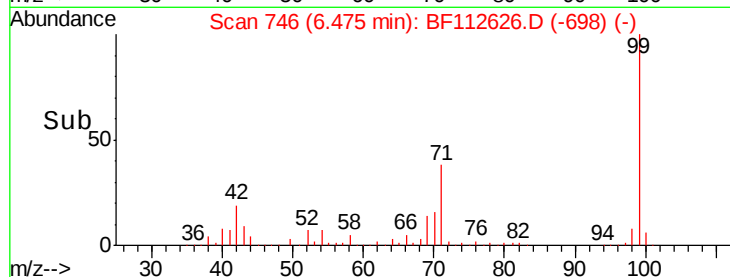
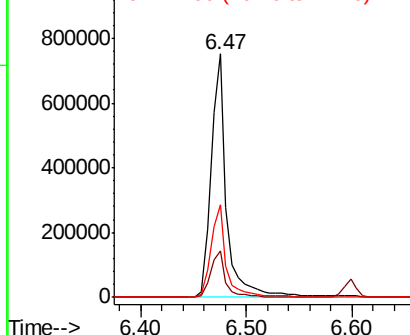
99 100

42 19.1 15.1 22.7

71 38.0 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



#10

Phenol

Concen: 3.410 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

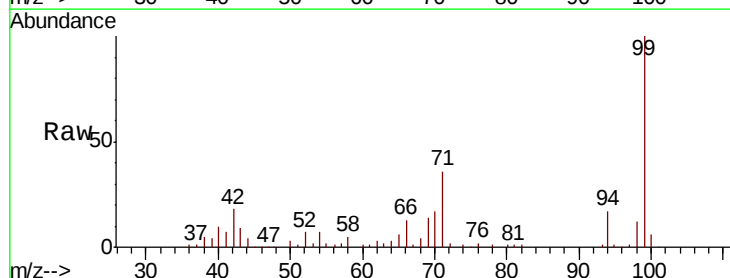
Tgt Ion: 94 Resp: 20537

Ion Ratio Lower Upper

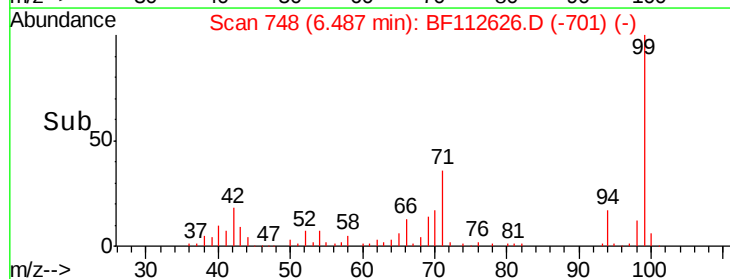
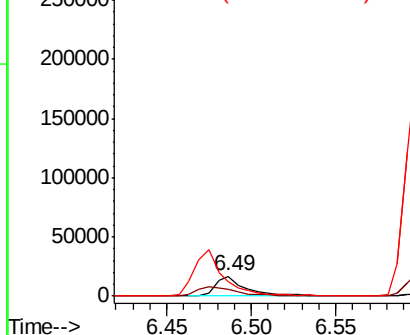
94 100

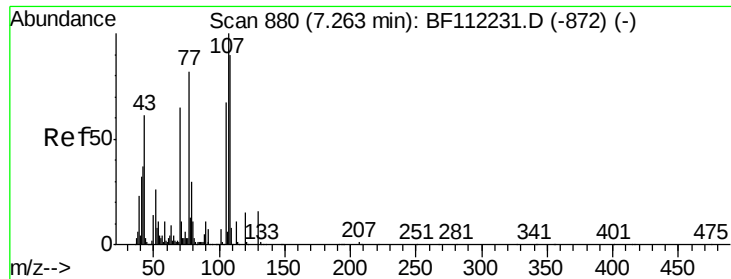
65 34.5 20.3 60.3

66 72.9 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

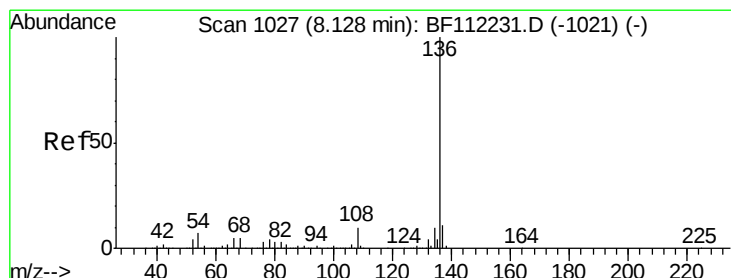
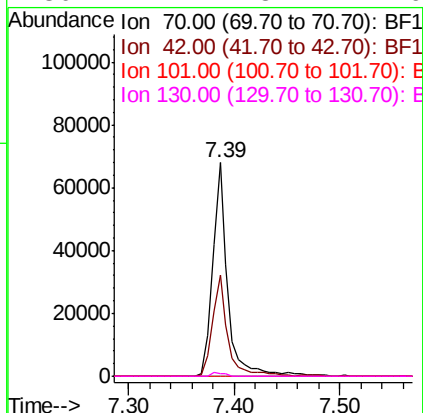
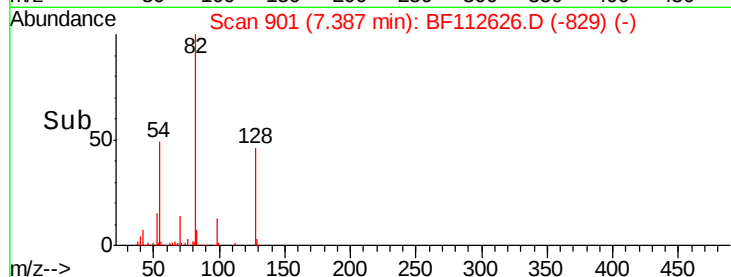
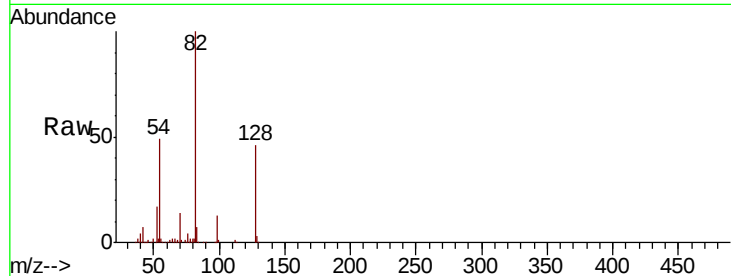




#19
n-Nitroso-di-n-propylamine
Concen: 18.057 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112626.D
Acq: 19 Feb 2019 17:40

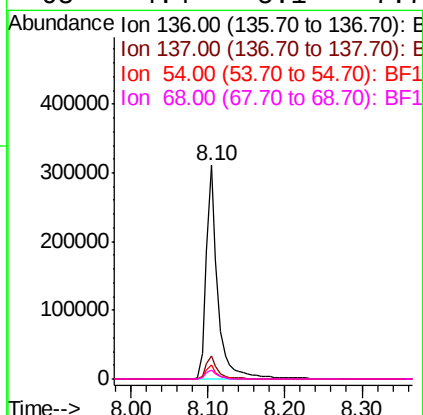
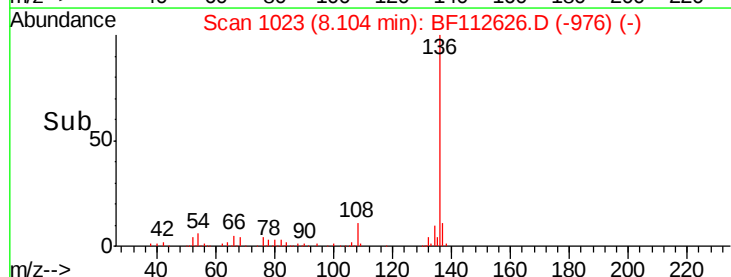
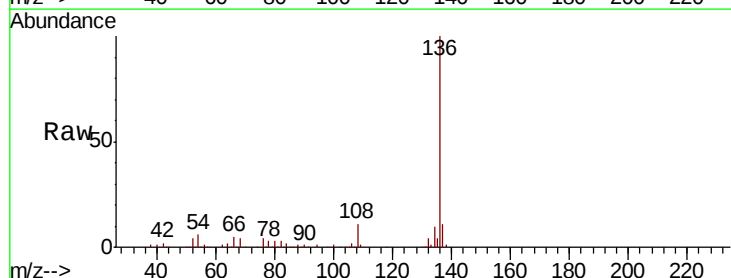
Instrument :
BNA_F
ClientSampleId :
TS-13

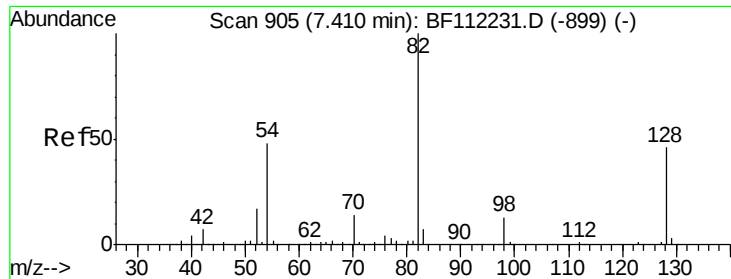
Tgt Ion: 70 Resp: 68344
Ion Ratio Lower Upper
70 100
42 47.3 47.6 71.4#
101 0.0 7.9 11.9#
130 1.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112626.D
Acq: 19 Feb 2019 17:40

Tgt Ion: 136 Resp: 322748
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.4 5.9 8.9
68 4.4 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 89.000 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

Instrument :

BNA_F

ClientSampleId :

TS-13

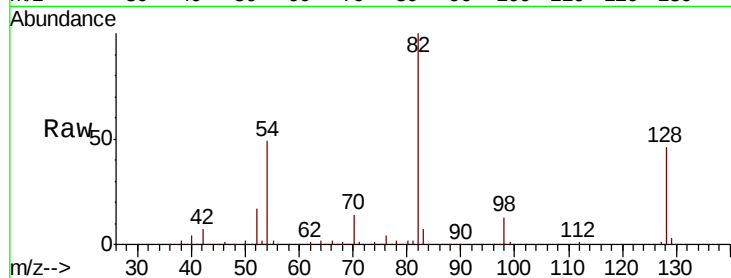
Tgt Ion: 82 Resp: 498517

Ion Ratio Lower Upper

82 100

128 46.0 37.8 56.8

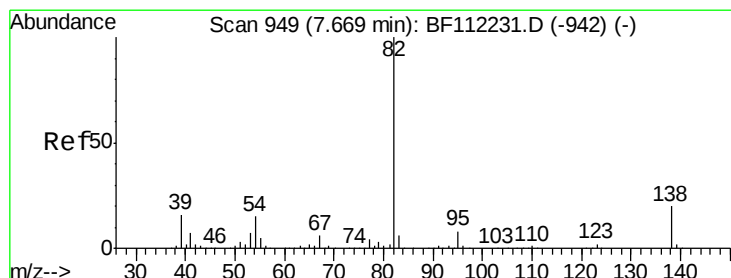
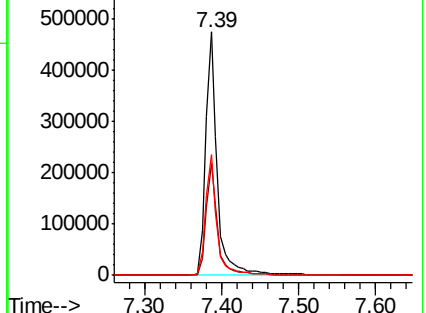
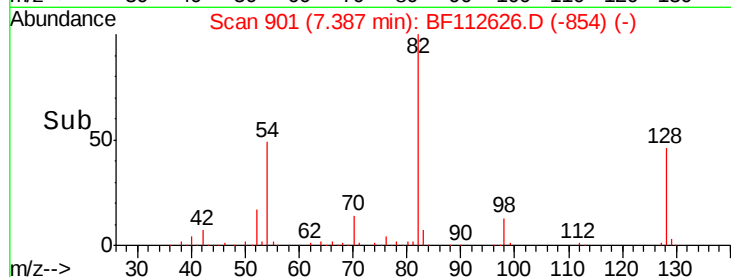
54 49.5 39.7 59.5



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: 56.731 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

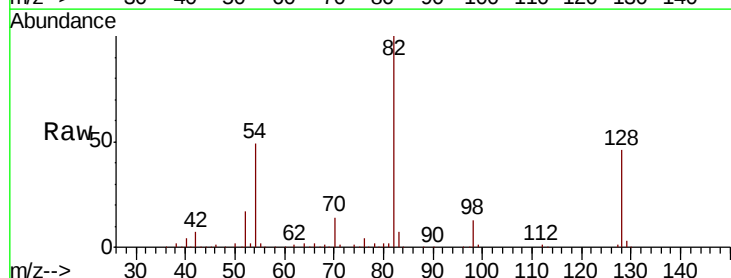
Tgt Ion: 82 Resp: 498514

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

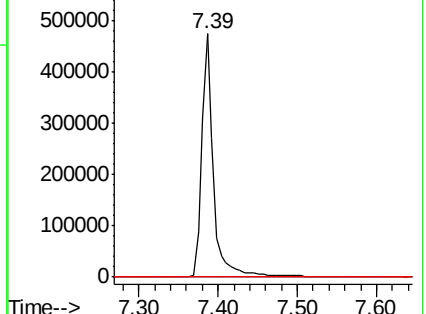
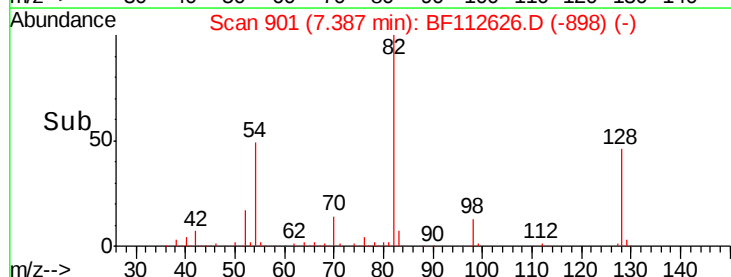
138 0.0 15.4 23.0#

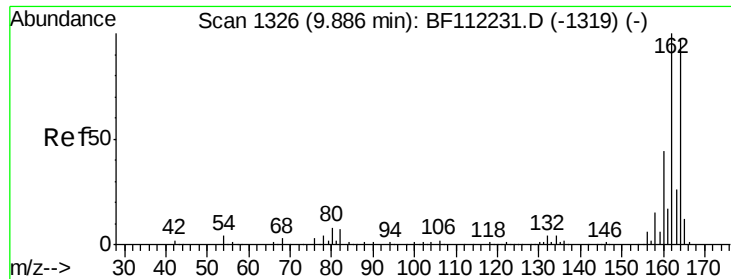


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

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ClientSampleId :

TS-13

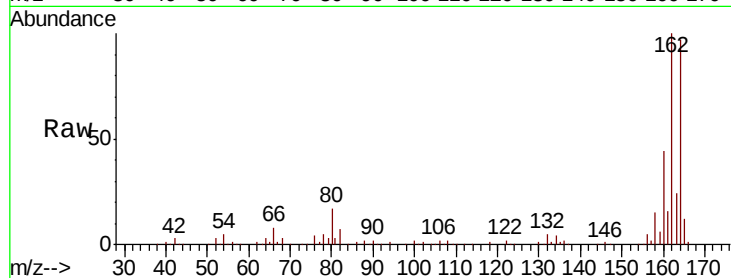
Tgt Ion:164 Resp: 157717

Ion Ratio Lower Upper

164 100

162 103.2 82.2 123.4

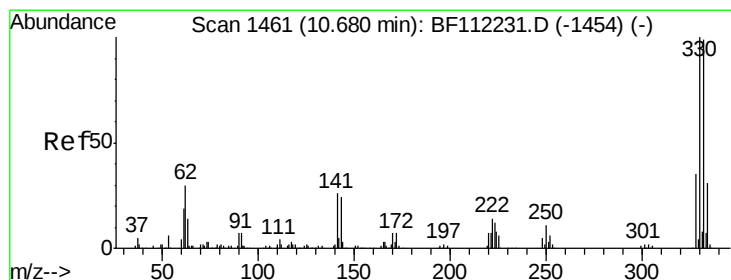
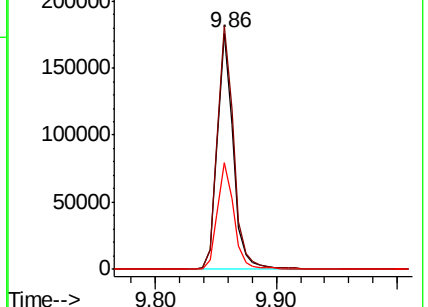
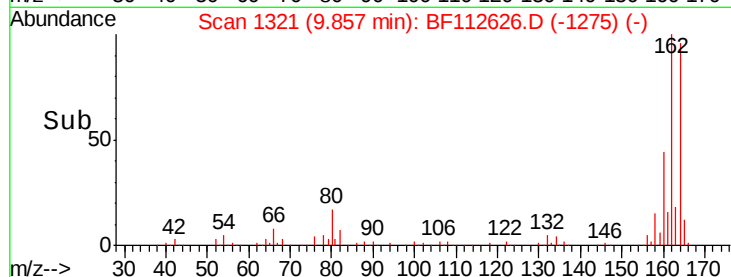
160 45.0 36.2 54.4



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: 139.368 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

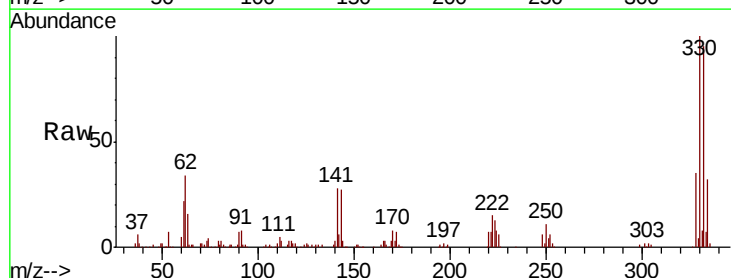
Tgt Ion:330 Resp: 255849

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

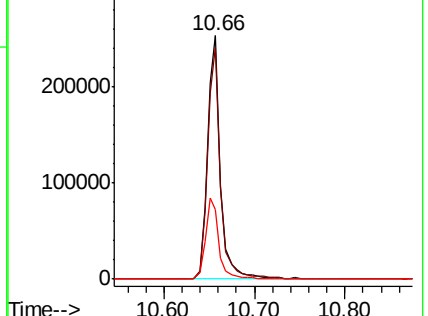
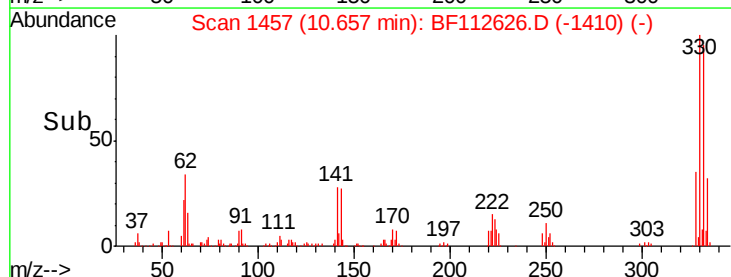
141 34.7 24.3 36.5

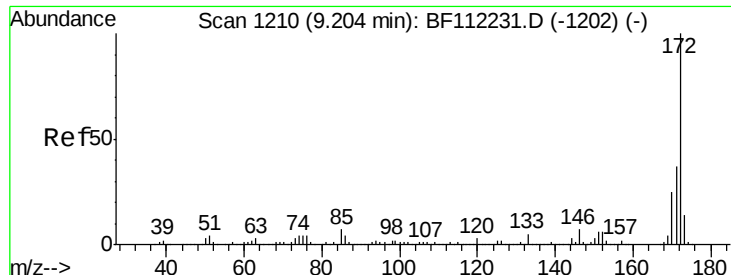


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

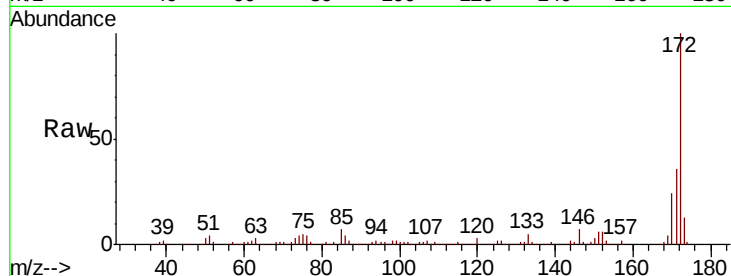




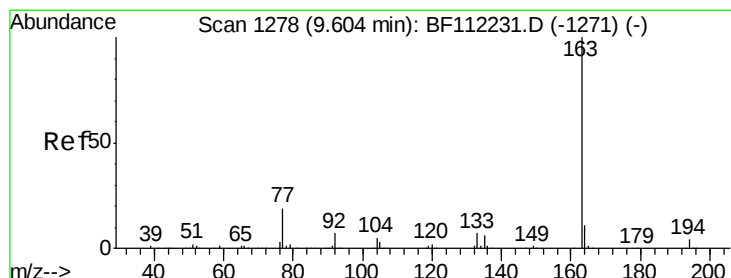
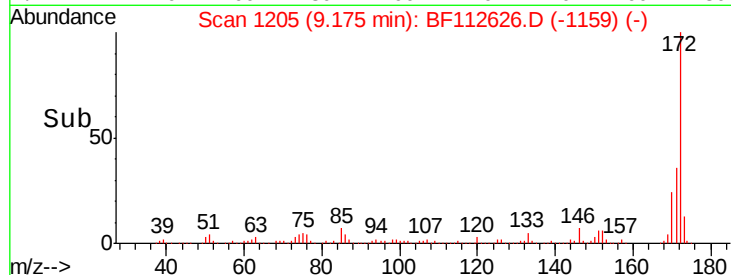
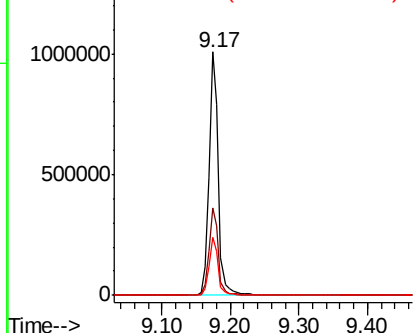
#45
 2-Fluorobiphenyl
 Concen: 86.552 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF112626.D
 Acq: 19 Feb 2019 17:40

Instrument :
 BNA_F
 ClientSampled :
 TS-13

Tgt Ion:172 Resp: 965173
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.5 45.7
 170 23.8 20.2 30.4

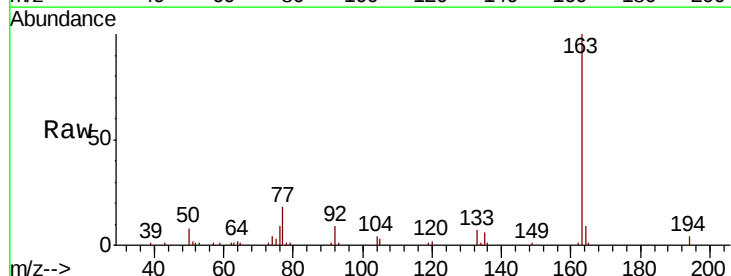


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

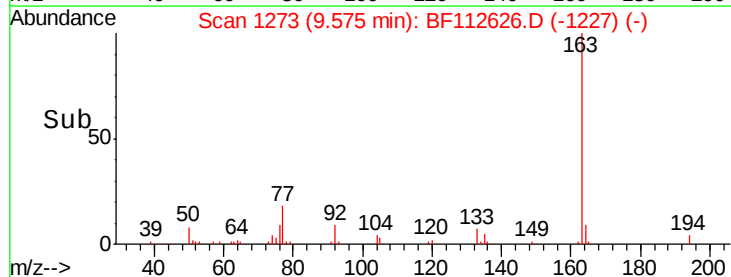
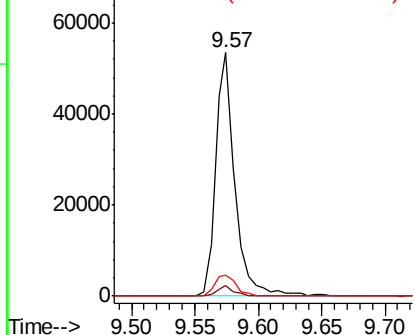


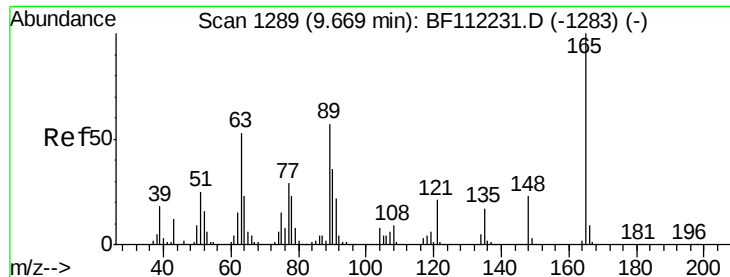
#50
 Dimethylphthalate
 Concen: 4.664 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.03 min
 Lab File: BF112626.D
 Acq: 19 Feb 2019 17:40

Tgt Ion:163 Resp: 57146
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.3 4.9
 164 8.6 8.5 12.7



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: 7.279 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112626.D

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BNA_F

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TS-13

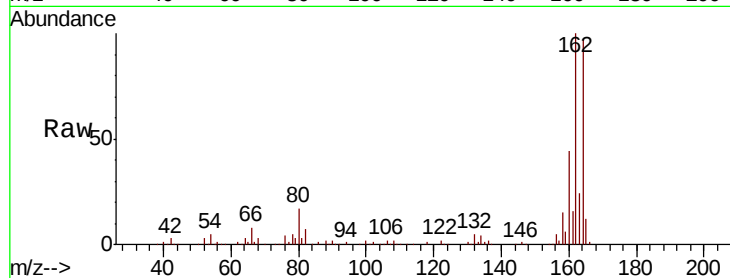
Tgt Ion:165 Resp: 19976

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

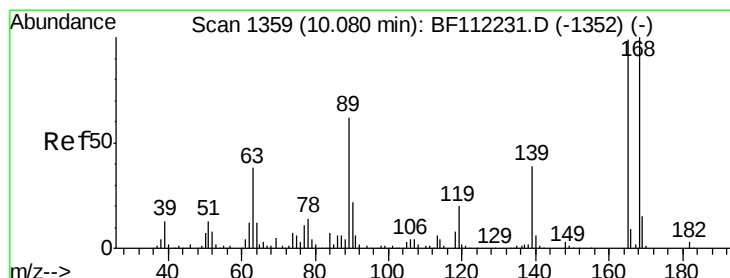
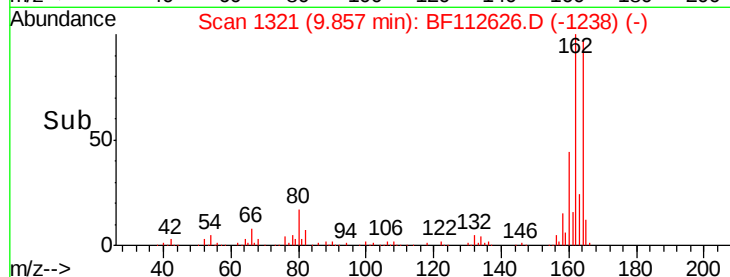
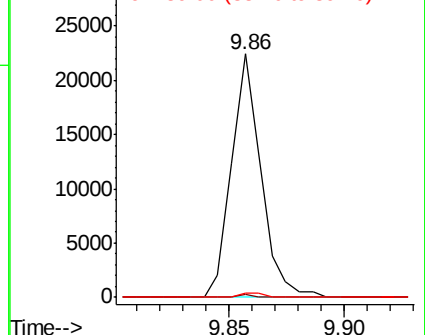
89 1.9 36.9 55.3#



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: 5.718 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

Tgt Ion:165 Resp: 19976

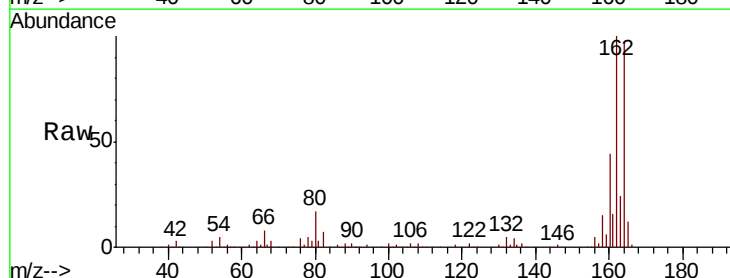
Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 1.9 47.9 71.9#

182 0.0 2.2 3.4#

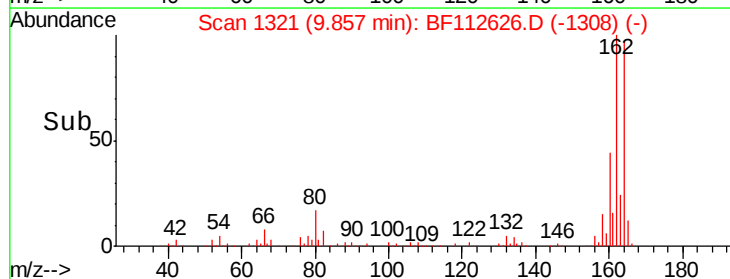
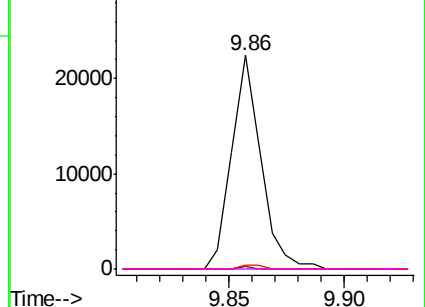


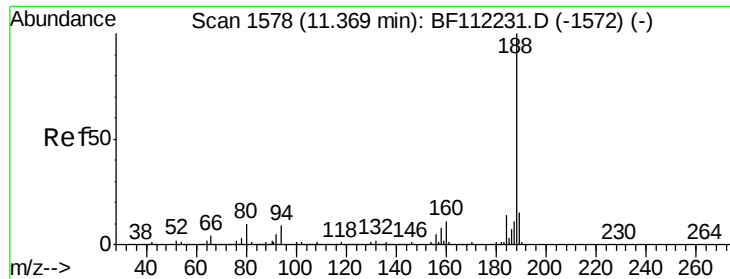
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

Instrument :

BNA_F

ClientSampleId :

TS-13

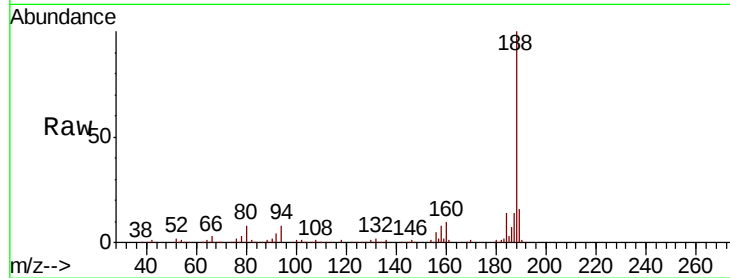
Tgt Ion:188 Resp: 309611

Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.2#

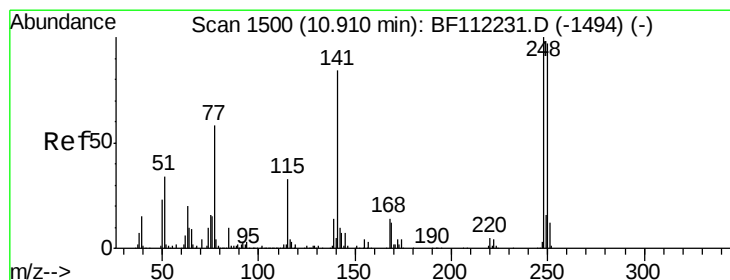
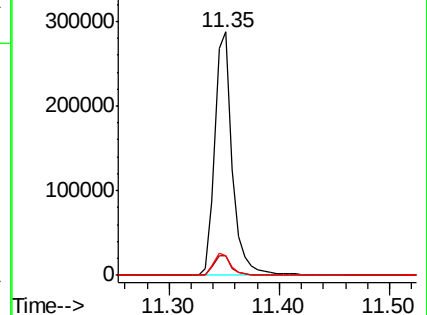
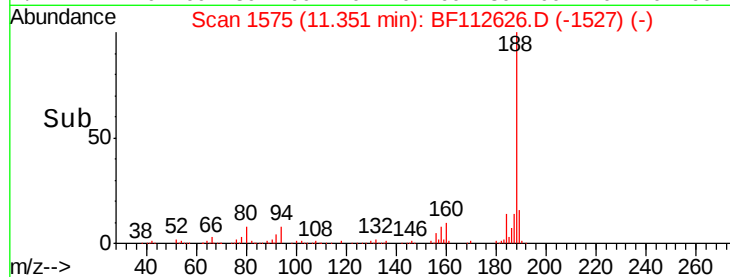
80 8.2 8.9 13.3#



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: 4.277 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

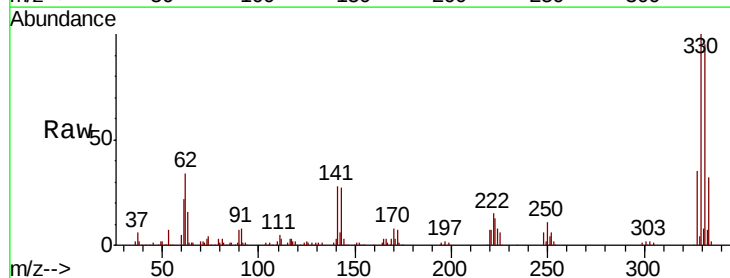
Tgt Ion:248 Resp: 15576

Ion Ratio Lower Upper

248 100

250 191.9 79.7 119.5#

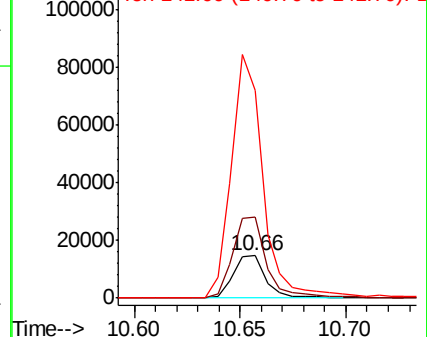
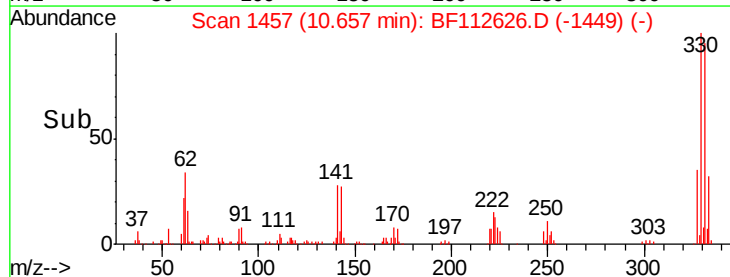
141 494.1 60.3 90.5#

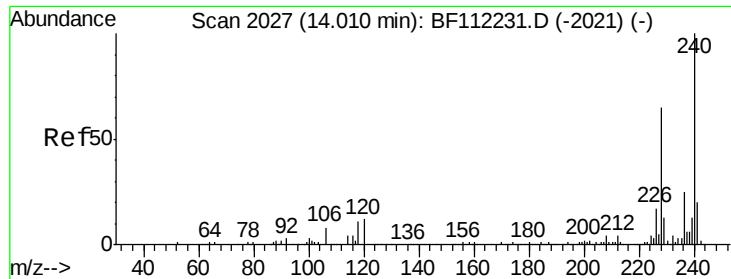


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

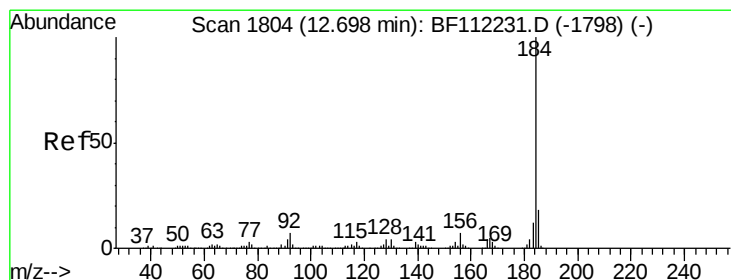
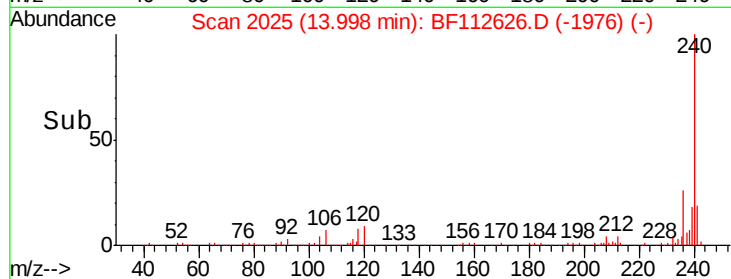
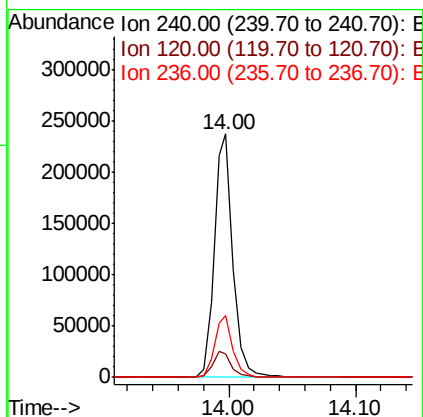
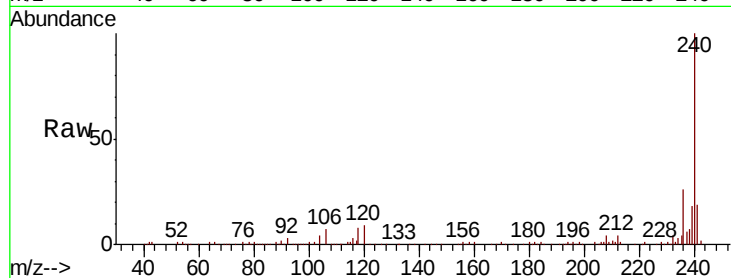




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112626.D
Acq: 19 Feb 2019 17:40

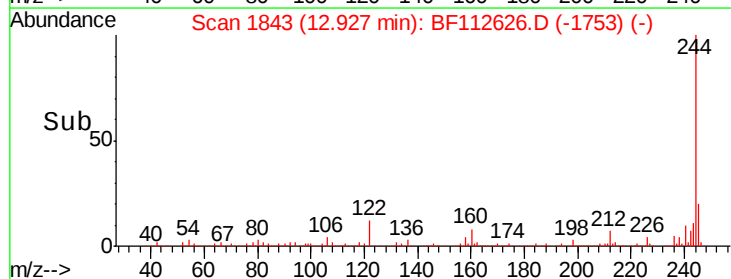
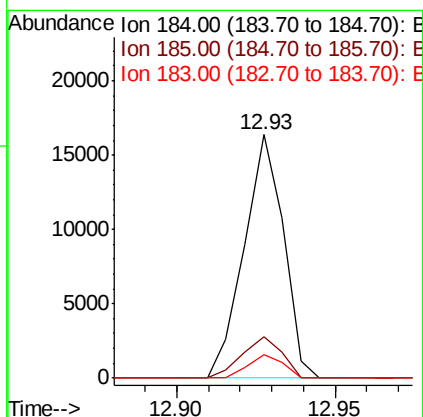
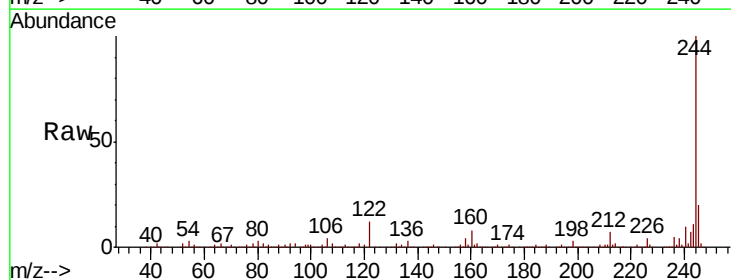
Instrument :
BNA_F
ClientSampleId :
TS-13

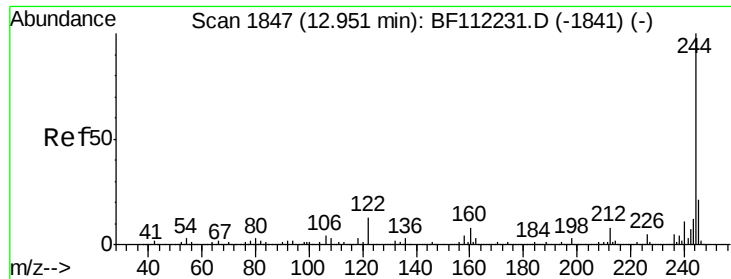
Tgt Ion:240 Resp: 242803
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.6
236 25.6 20.7 31.1



#77
Benzidine
Concen: 2.107 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.23 min
Lab File: BF112626.D
Acq: 19 Feb 2019 17:40

Tgt Ion:184 Resp: 14082
Ion Ratio Lower Upper
184 100
185 16.8 13.9 20.9
183 9.7 10.0 15.0#





#79

Terphenyl-d14

Concen: 77.397 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

Instrument :

BNA_F

ClientSampleId :

TS-13

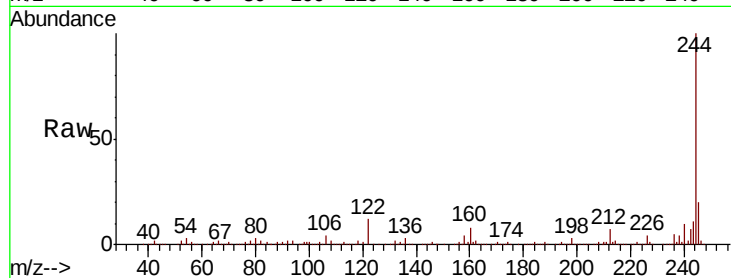
Tgt Ion:244 Resp: 997758

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

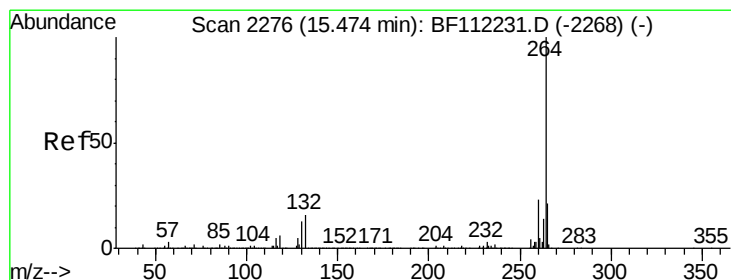
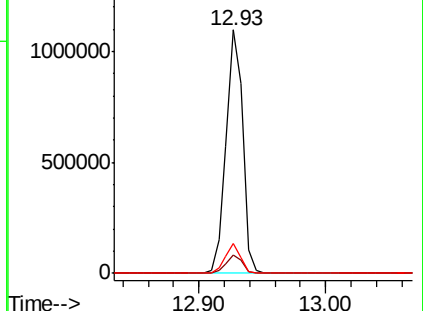
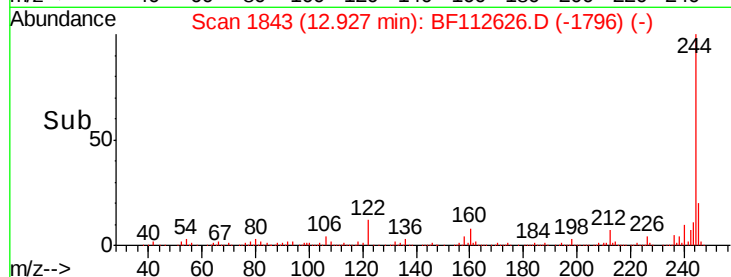
122 12.0 9.8 14.6



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# 2275

Delta R.T. -0.01 min

Lab File: BF112626.D

Acq: 19 Feb 2019 17:40

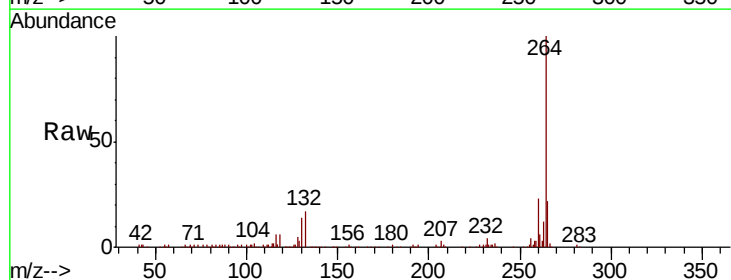
Tgt Ion:264 Resp: 210969

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.2

265 22.4 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

