

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117326.D
 Acq On : 3 Oct 2019 19:46
 Operator : JU
 Sample : K5155-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Quant Time: Oct 04 03:20:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

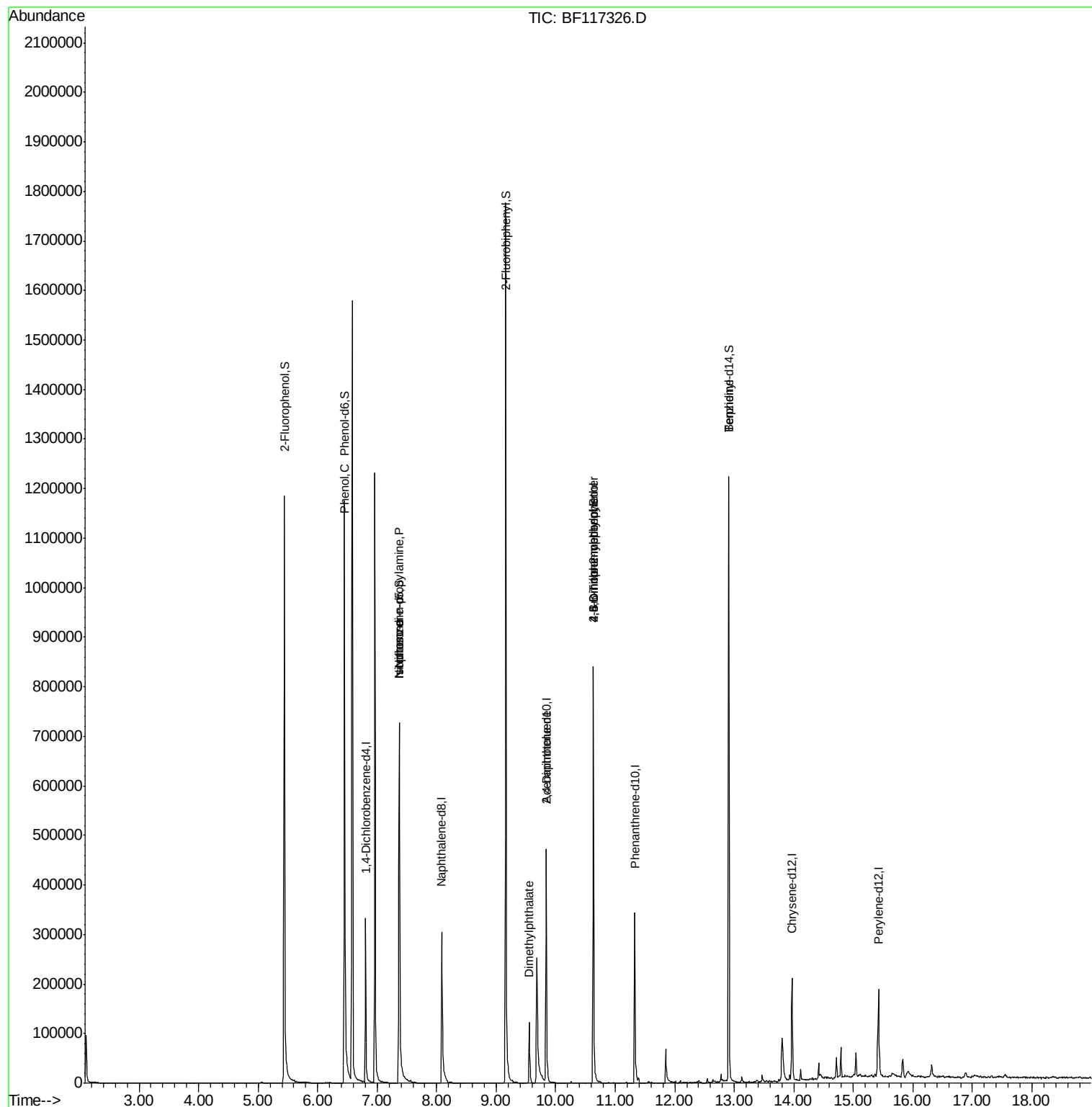
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	53876	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	218426	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	105329	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	159510	20.00	ng	0.00
76) Chrysene-d12	13.97	240	77521	20.00	ng	0.00
87) Perylene-d12	15.42	264	88138	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	387796	112.38	ng	0.00
7) Phenol-d6	6.45	99	552522	123.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	348807	83.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	105813	120.20	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	609443	90.47	ng	-0.01
79) Terphenyl-d14	12.91	244	439673	106.02	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	782	Below Cal		Qvalue
10) Phenol	6.46	94	15124	3.076 ng	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	44518	16.393 ng	#	84
25) Isophorone	7.37	82	348805	47.388 ng	#	66
50) Dimethylphthalate	9.56	163	69384	9.304 ng		98
57) 2,4-Dinitrotoluene	9.84	165	13279	6.735 ng	#	21
65) 4,6-Dinitro-2-methylphenol	10.63	198	114	7.037 ng	#	1
67) 4-Bromophenyl-phenylether	10.63	248	6537	4.013 ng	#	1
77) Benzidine	12.91	184	6210	2.487 ng	#	95

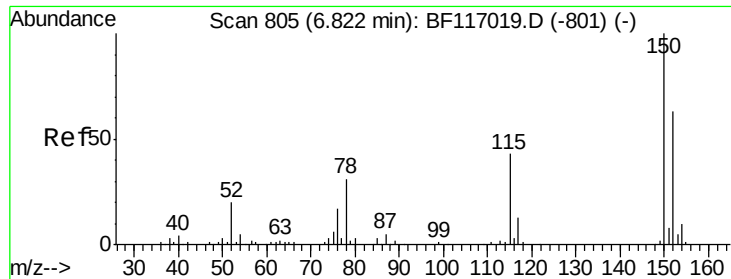
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 03:20:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
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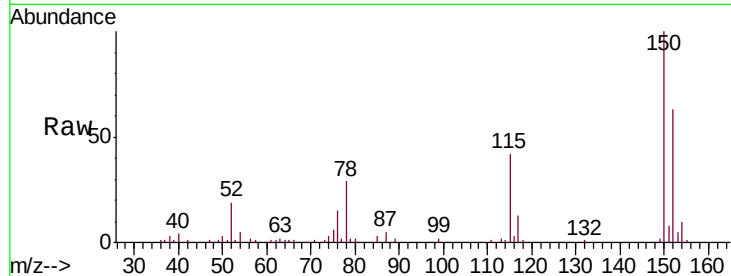


#1

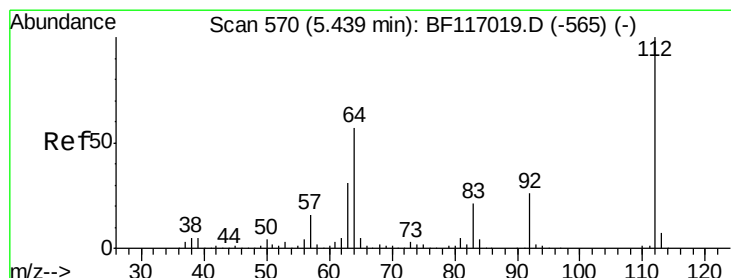
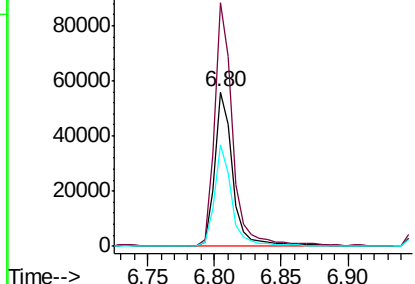
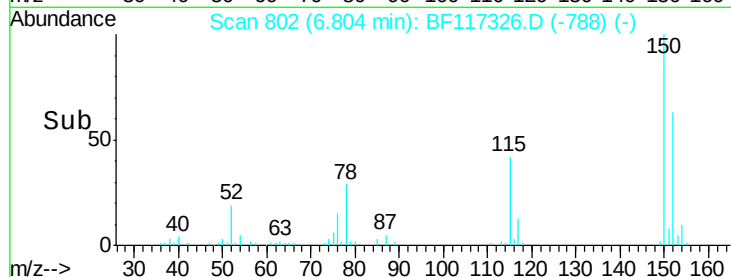
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF117326.D
 Acq: 3 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:152 Resp: 53876
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.5 191.3
 115 65.8 55.0 82.4



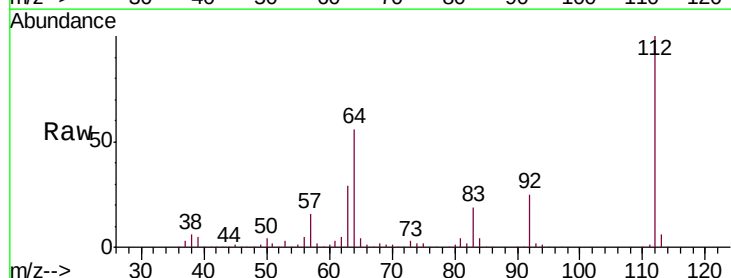
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



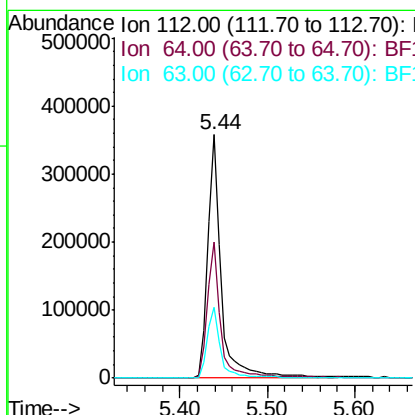
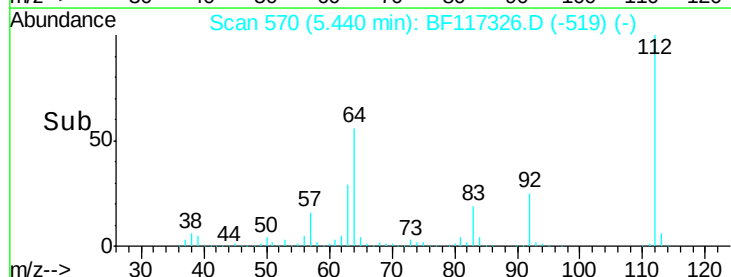
#5

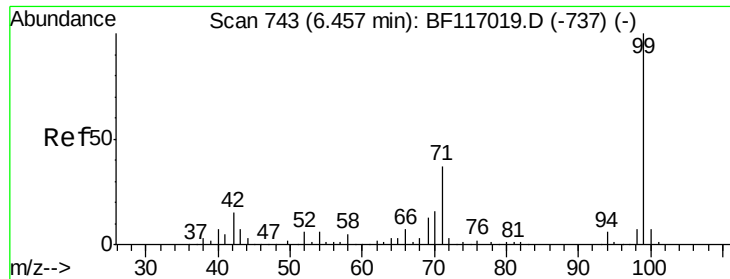
2-Fluorophenol
 Concen: 112.378 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF117326.D
 Acq: 3 Oct 2019 19:46

Tgt Ion:112 Resp: 387796
 Ion Ratio Lower Upper
 112 100
 64 56.1 45.7 68.5
 63 29.2 24.9 37.3



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: 123.892 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

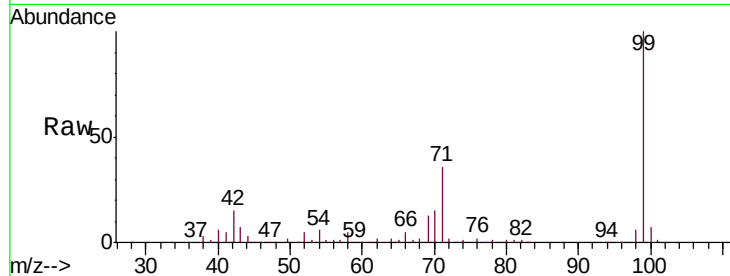
Tgt Ion: 99 Resp: 552522

Ion Ratio Lower Upper

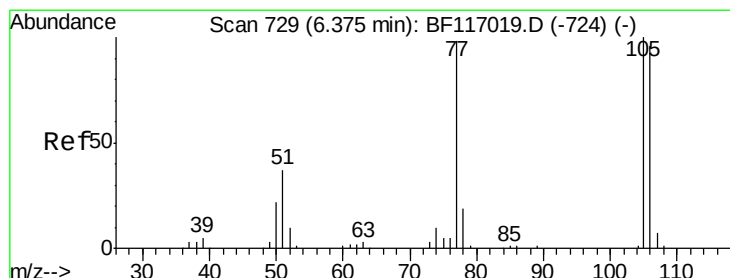
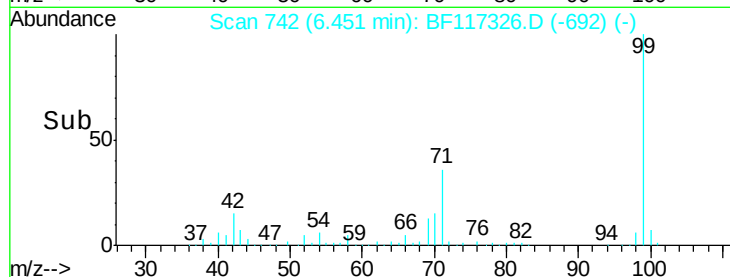
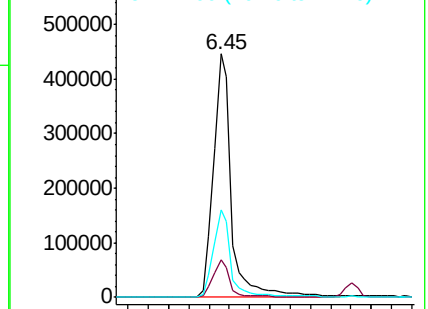
99 100

42 15.3 12.2 18.2

71 36.1 29.8 44.8



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: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

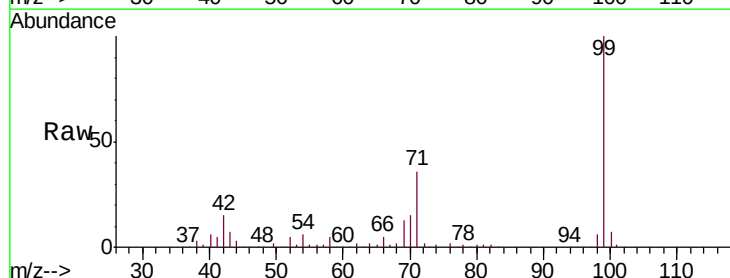
Tgt Ion: 77 Resp: 782

Ion Ratio Lower Upper

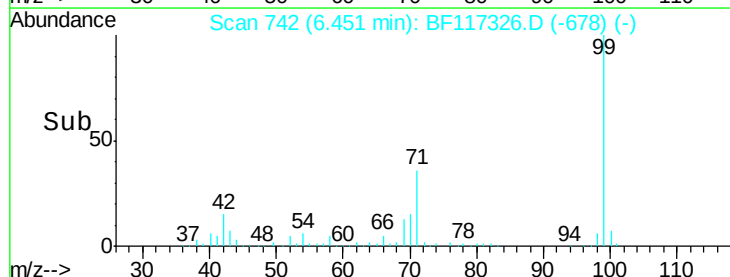
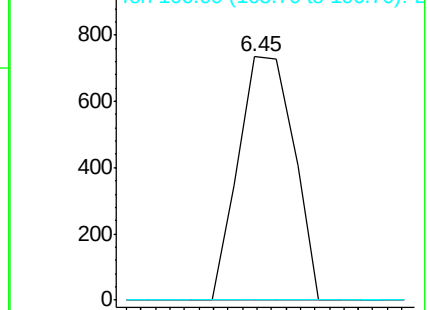
77 100

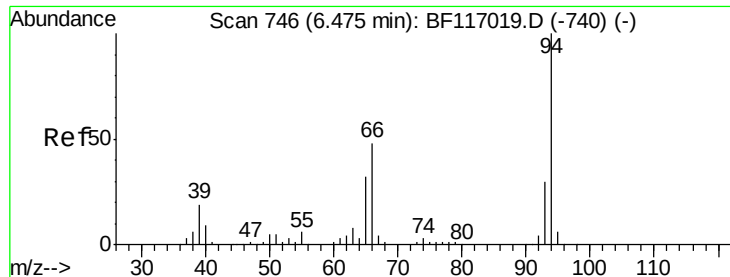
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



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





#10

Phenol

Concen: 3.076 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

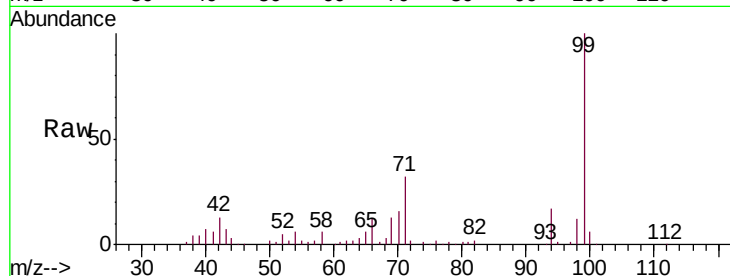
Tgt Ion: 94 Resp: 15124

Ion Ratio Lower Upper

94 100

65 36.3 12.5 52.5

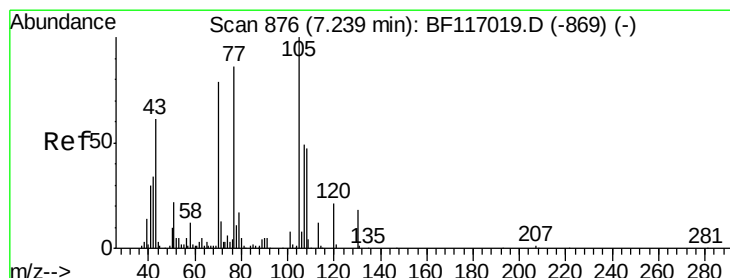
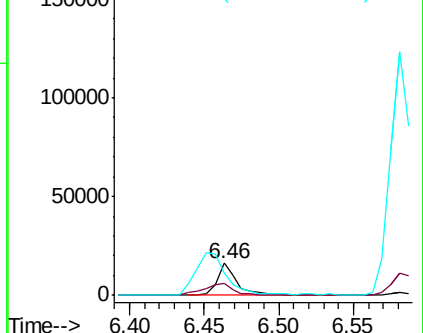
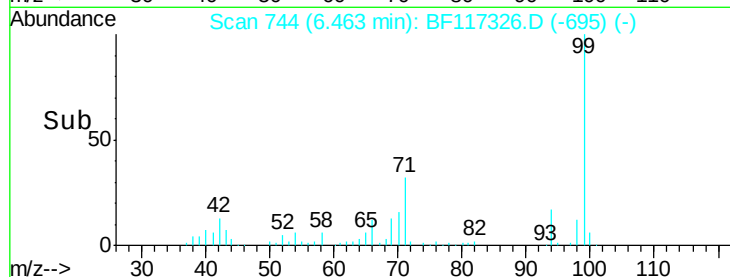
66 68.5 28.9 68.9



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: 16.393 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

Tgt Ion: 70 Resp: 44518

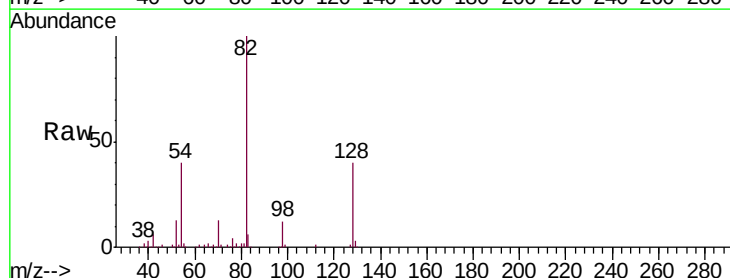
Ion Ratio Lower Upper

70 100

42 42.3 34.0 51.0

101 0.0 7.8 11.6#

130 2.3 17.8 26.8#

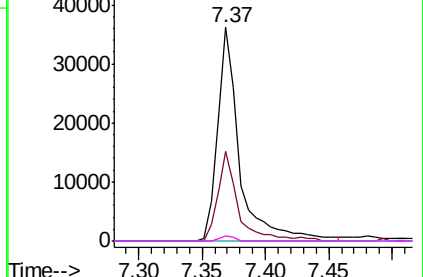
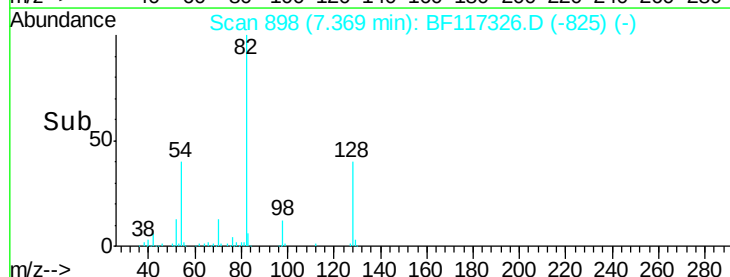


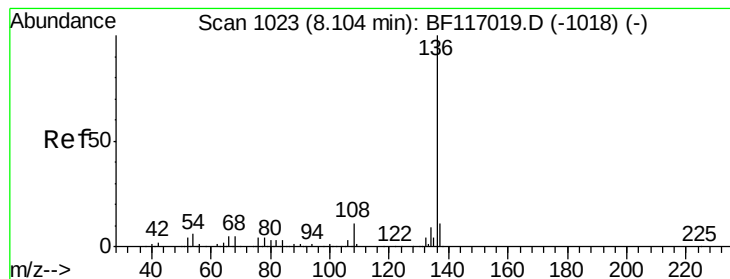
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

Tgt Ion: 136 Resp: 218426

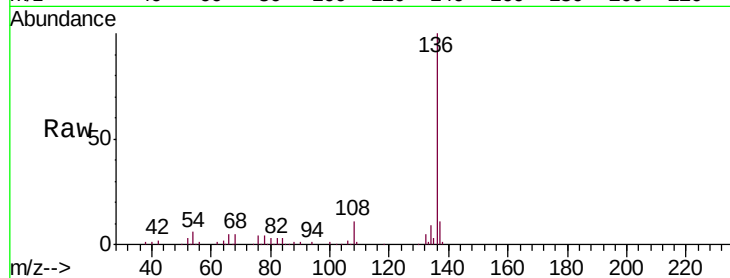
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 5.6 4.5 6.7

68 4.7 4.0 6.0

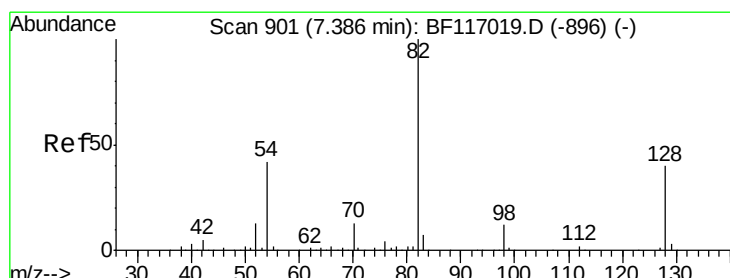
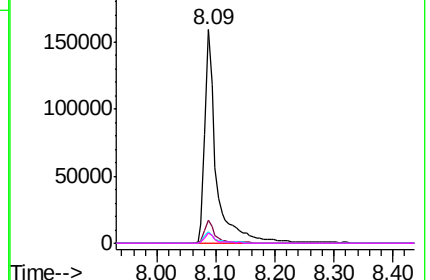
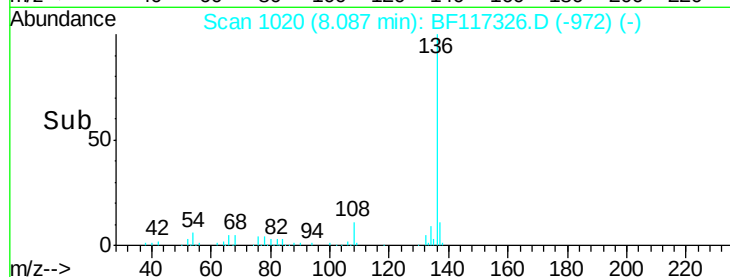


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.906 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

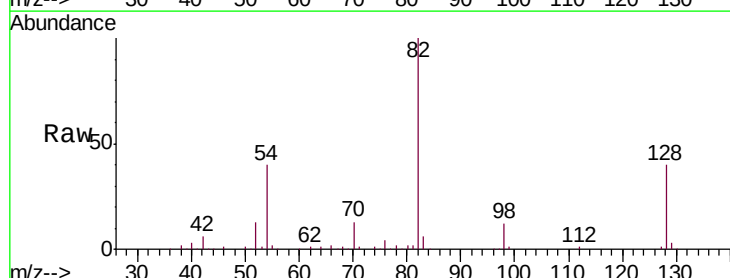
Tgt Ion: 82 Resp: 348807

Ion Ratio Lower Upper

82 100

128 40.3 32.3 48.5

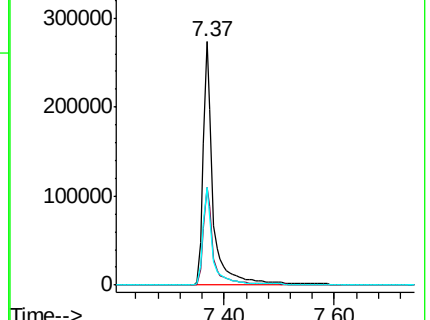
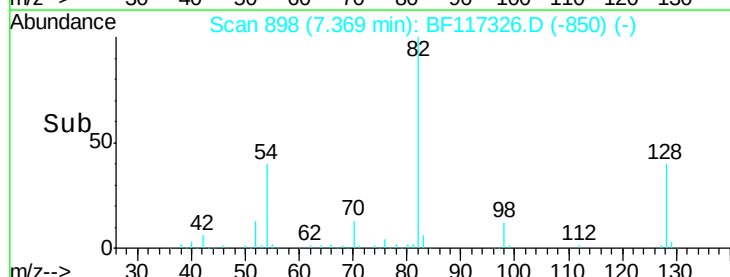
54 40.1 33.3 49.9

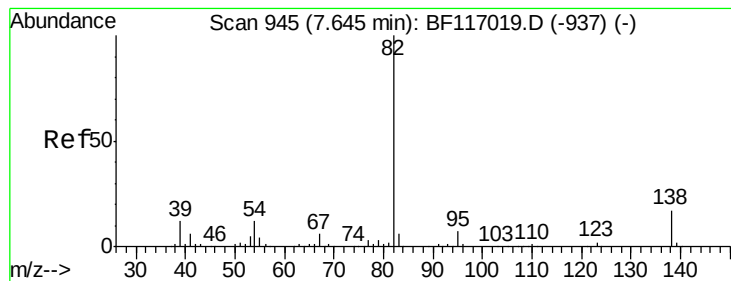


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.388 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

Instrument :

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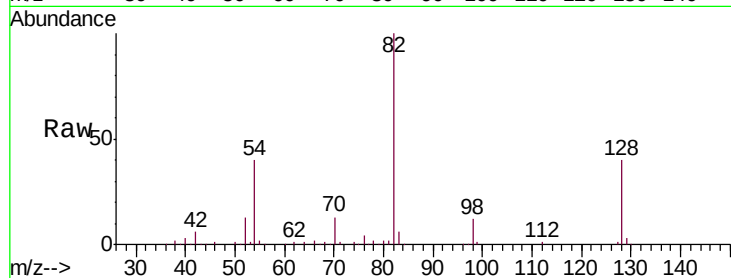
Tgt Ion: 82 Resp: 348805

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

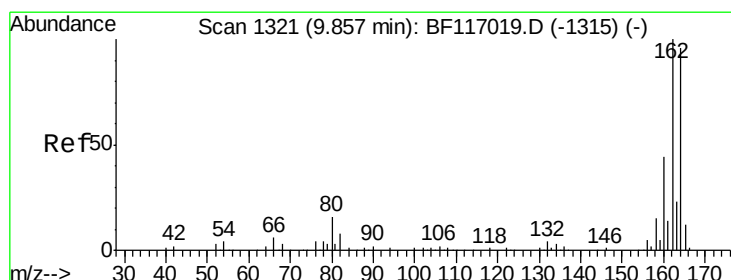
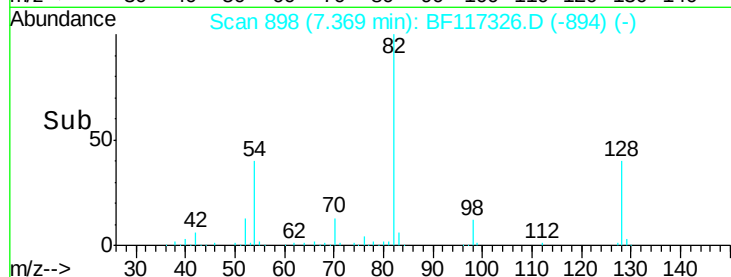
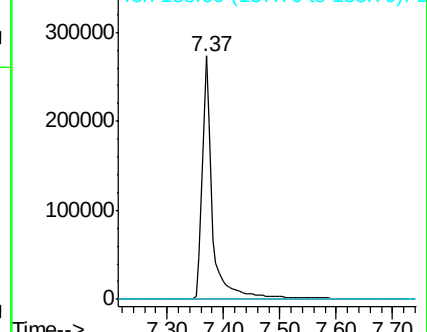
138 0.0 13.5 20.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

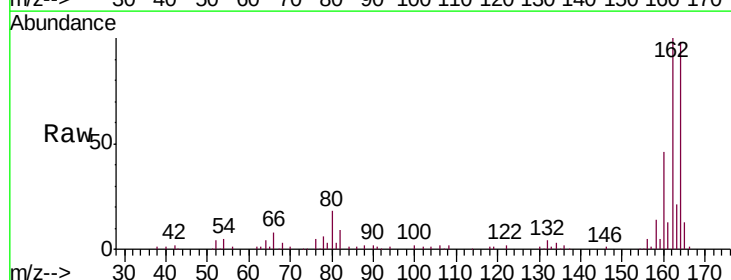
Tgt Ion: 164 Resp: 105329

Ion Ratio Lower Upper

164 100

162 102.2 83.4 125.2

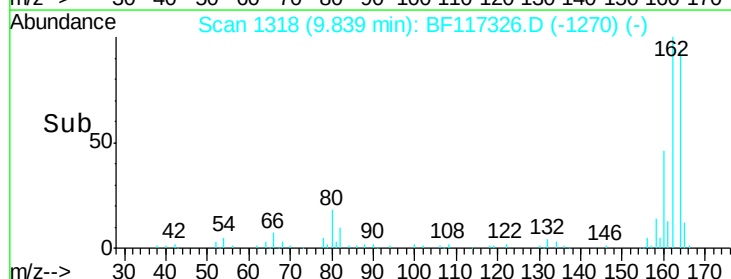
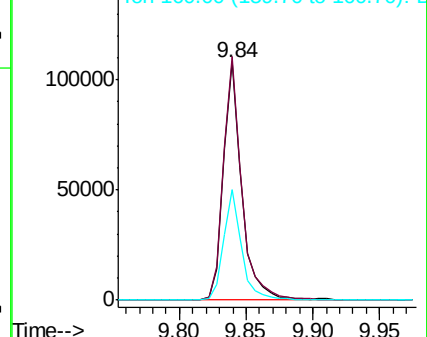
160 46.6 36.4 54.6

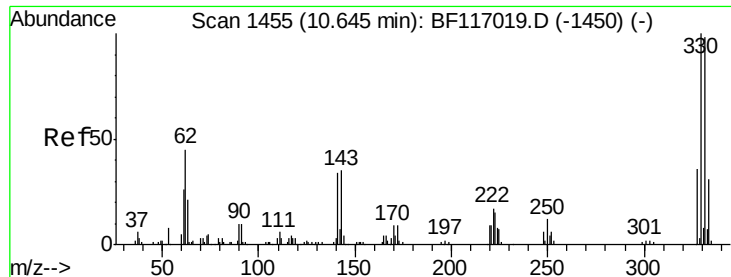


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 120.200 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

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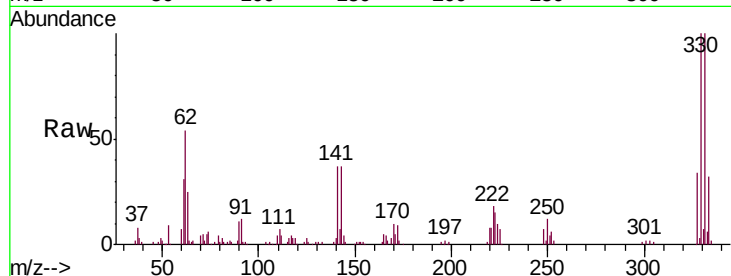
Tgt Ion:330 Resp: 105813

Ion Ratio Lower Upper

330 100

332 94.0 78.0 117.0

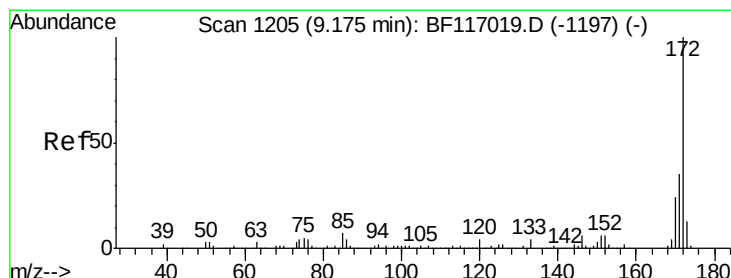
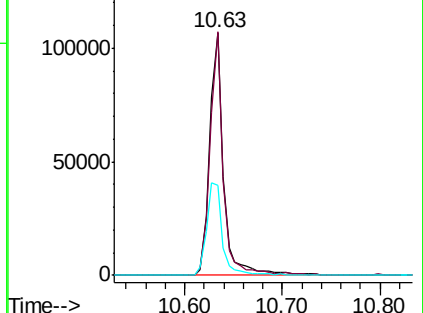
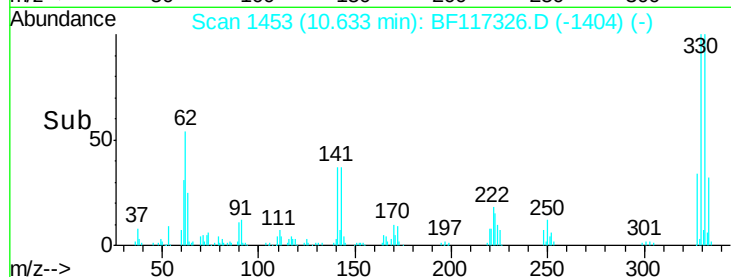
141 43.6 35.8 53.6



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: 90.470 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

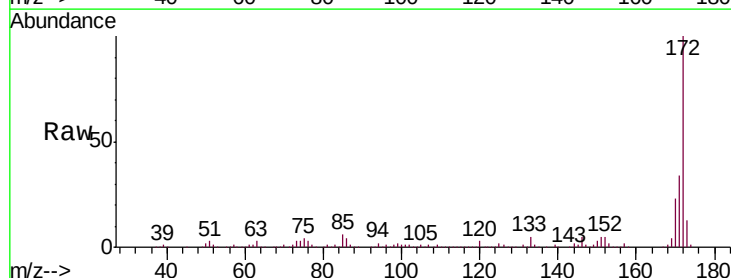
Tgt Ion:172 Resp: 609443

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

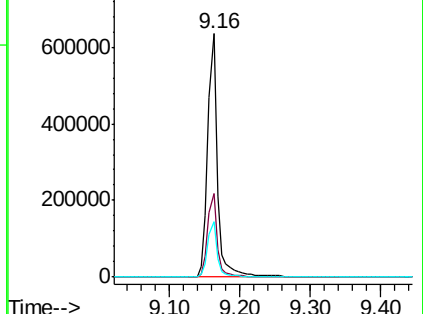
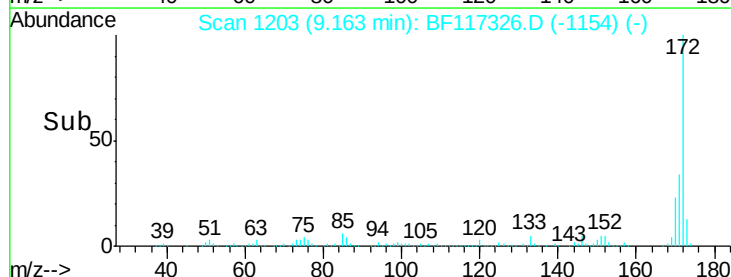
170 22.5 18.9 28.3

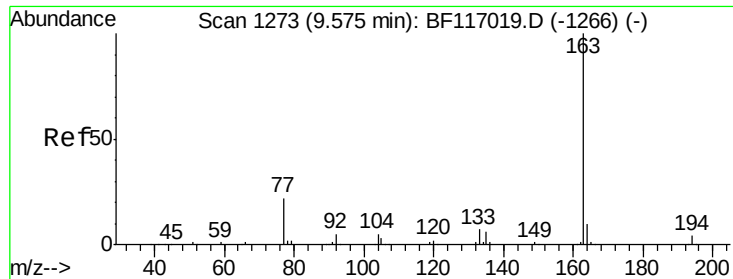


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

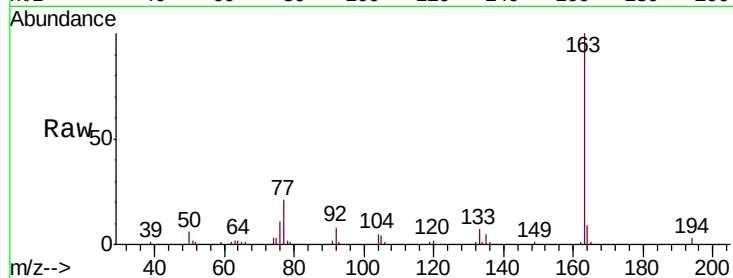




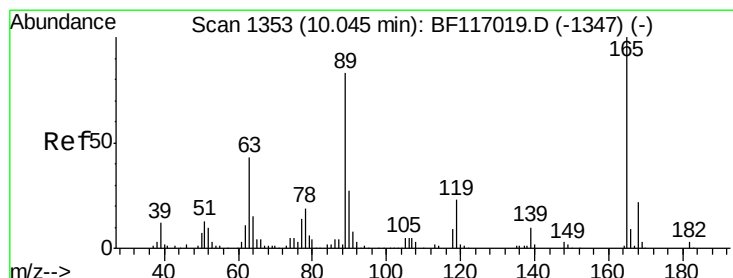
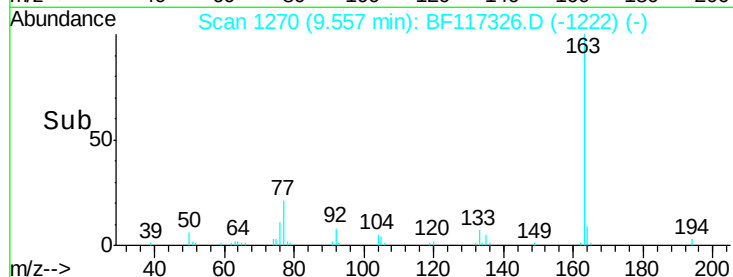
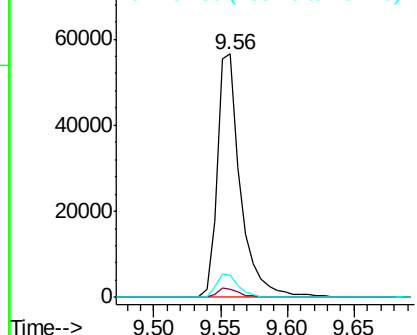
#50
Dimethylphthalate
Concen: 9.304 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117326.D
Acq: 3 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tgt Ion:163 Resp: 69384
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 9.4 8.2 12.4

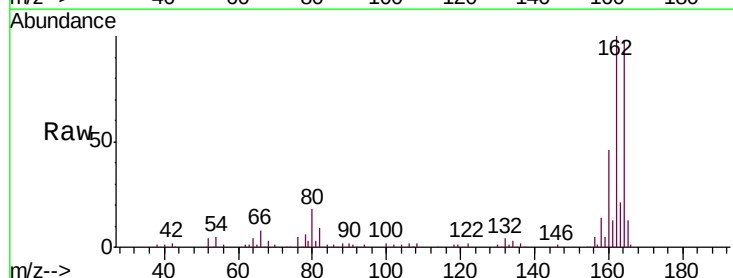


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

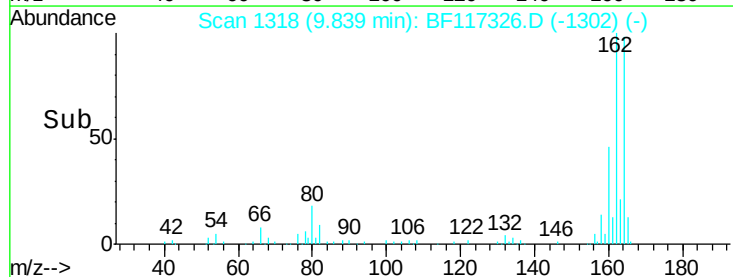
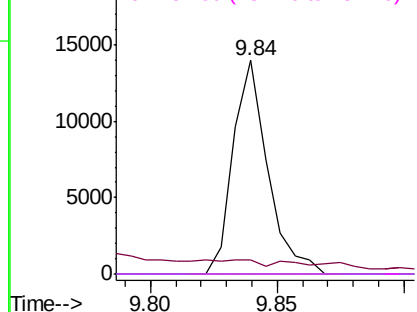


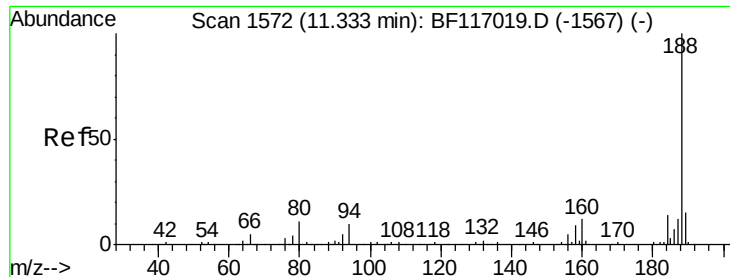
#57
2,4-Dinitrotoluene
Concen: 6.735 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.21 min
Lab File: BF117326.D
Acq: 3 Oct 2019 19:46

Tgt Ion:165 Resp: 13279
Ion Ratio Lower Upper
165 100
63 6.6 35.0 52.4#
89 0.0 66.1 99.1#
182 0.0 2.0 3.0#



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

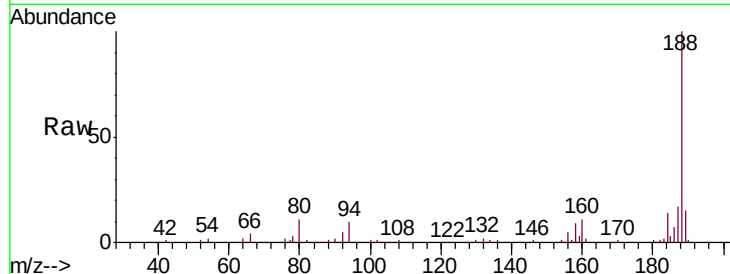




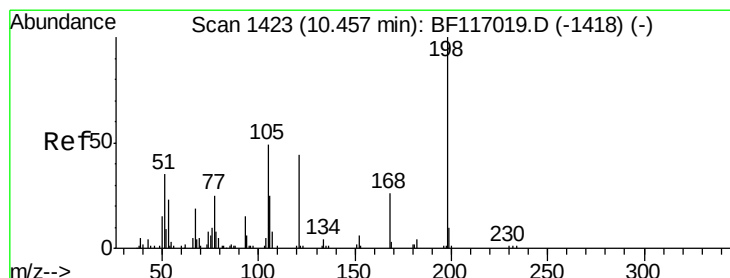
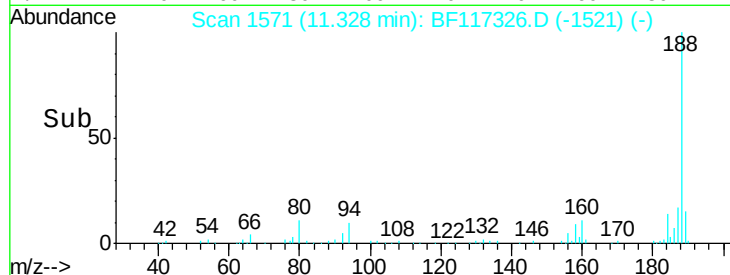
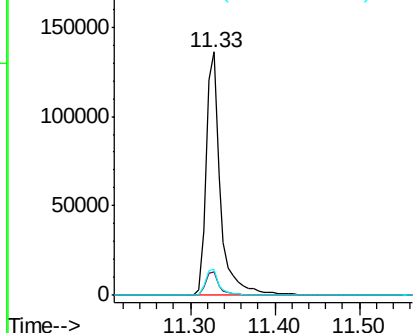
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117326.D
 Acq: 3 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:188 Resp: 159510
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.2 12.2
 80 10.8 9.0 13.6

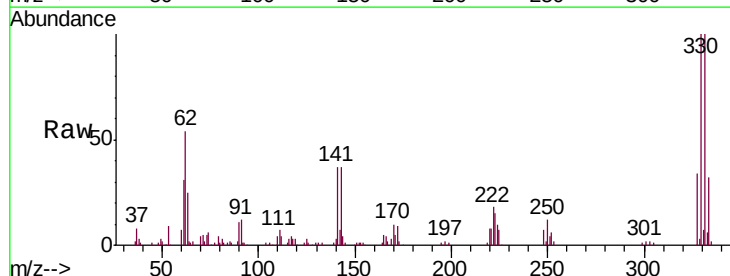


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

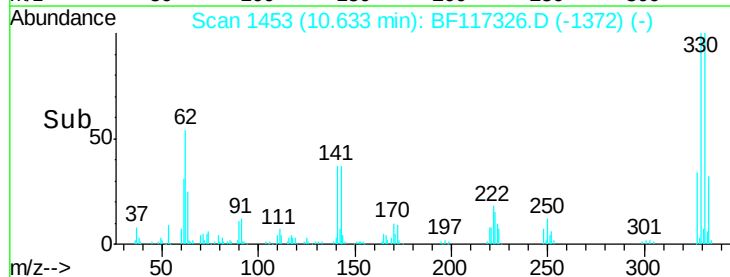
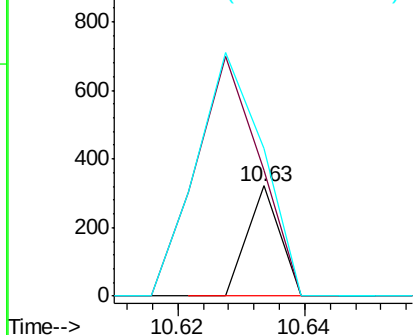


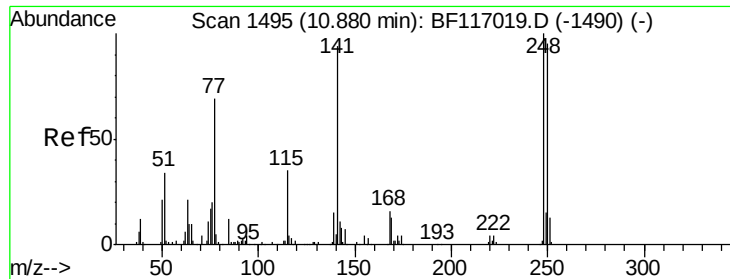
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.037 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF117326.D
 Acq: 3 Oct 2019 19:46

Tgt Ion:198 Resp: 114
 Ion Ratio Lower Upper
 198 100
 51 113.7 18.7 58.7#
 105 133.5 30.2 70.2#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

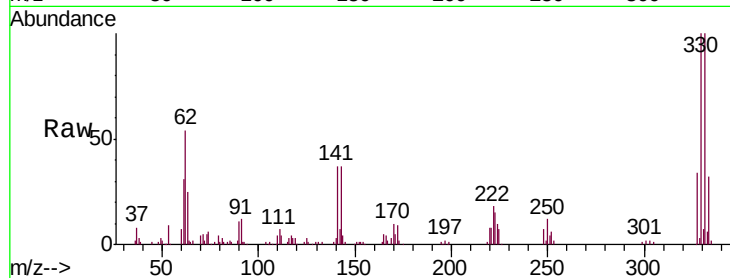




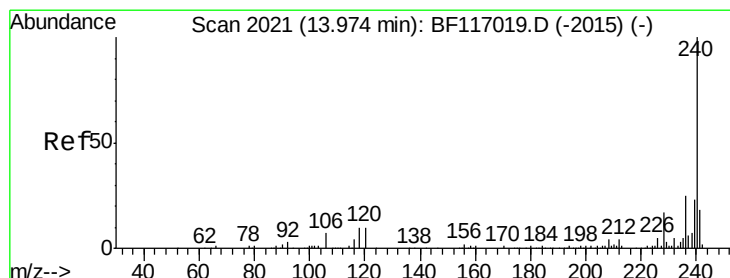
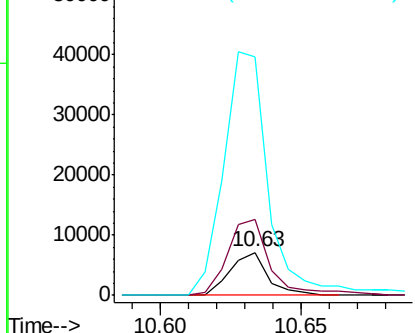
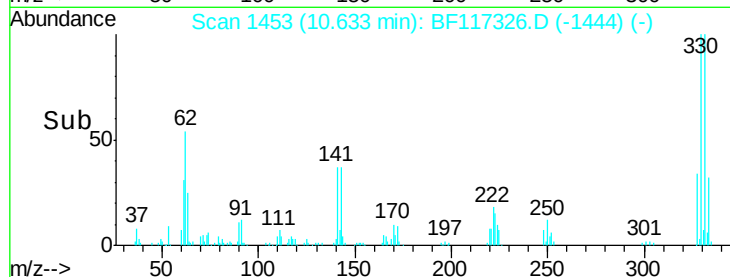
#67
 4-Bromophenyl-phenylether
 Concen: 4.013 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117326.D
 Acq: 3 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:248 Resp: 6537
 Ion Ratio Lower Upper
 248 100
 250 177.4 76.2 114.4#
 141 554.1 75.0 112.4#

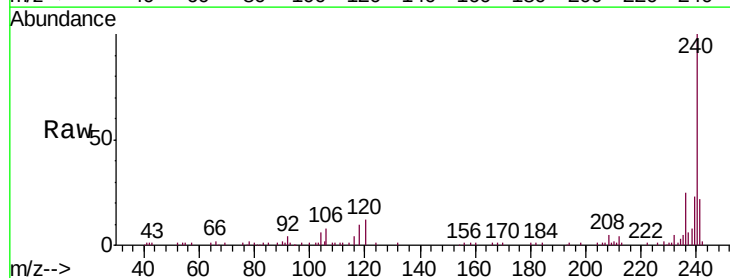


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

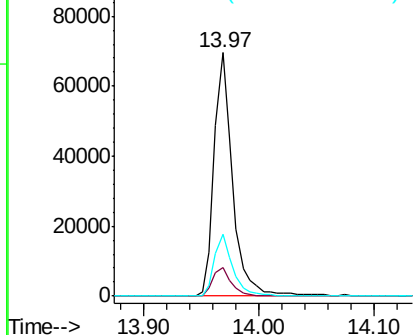
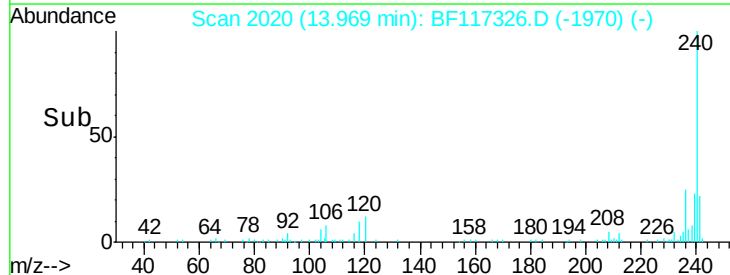


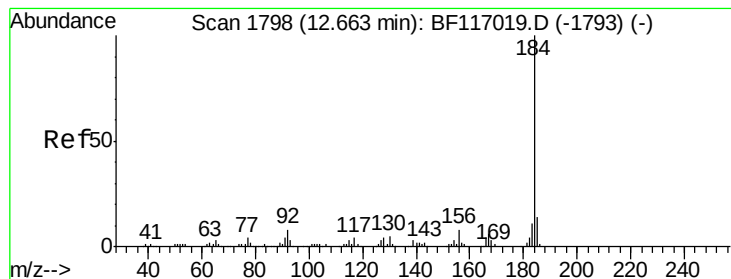
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117326.D
 Acq: 3 Oct 2019 19:46

Tgt Ion:240 Resp: 77521
 Ion Ratio Lower Upper
 240 100
 120 11.9 8.3 12.5
 236 25.3 20.3 30.5



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: 2.487 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

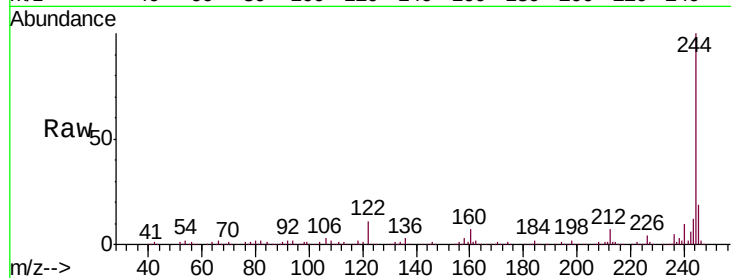
Tgt Ion:184 Resp: 6210

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

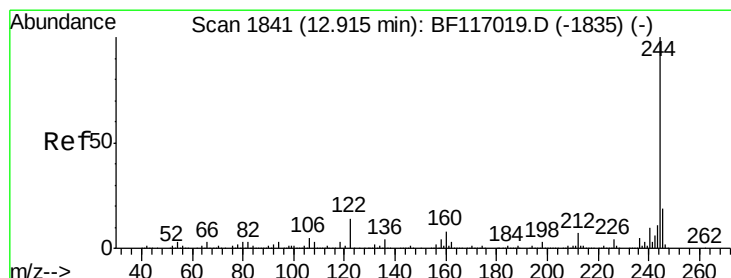
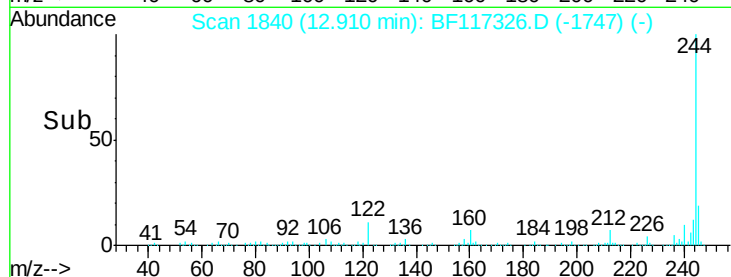
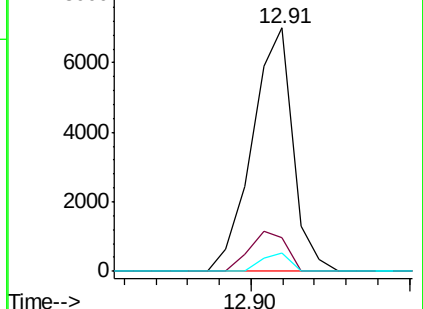
183 7.8 9.0 13.4#



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: 106.016 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117326.D

Acq: 3 Oct 2019 19:46

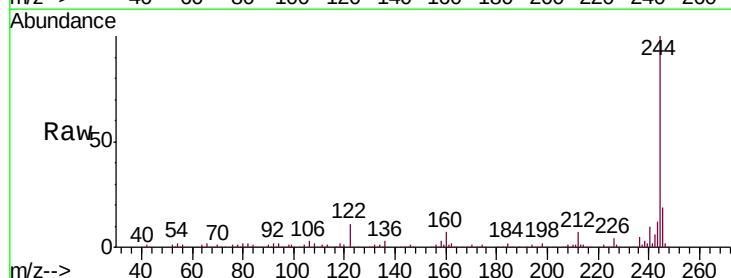
Tgt Ion:244 Resp: 439673

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

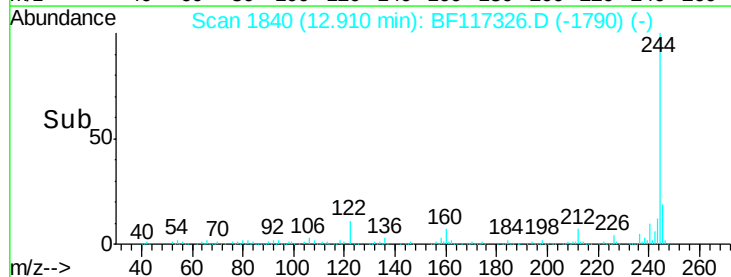
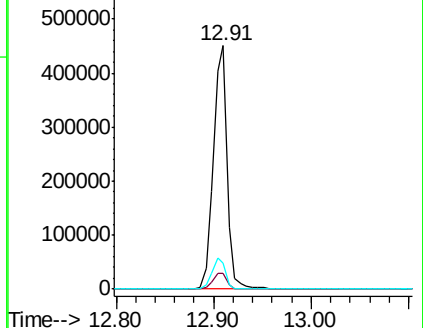
122 10.9 11.3 16.9#

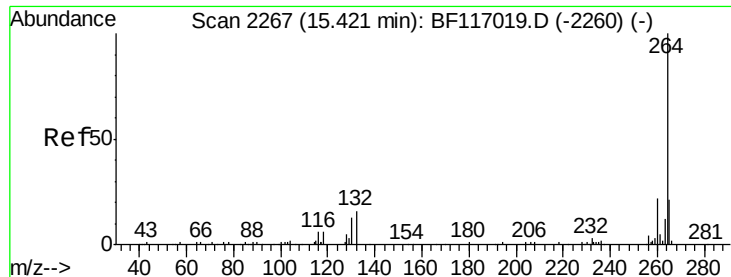


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117326.D
Acq: 3 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tgt Ion: 264 Resp: 88138
Ion Ratio Lower Upper
264 100
260 22.2 17.6 26.4
265 21.6 16.6 24.8

