

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117317.D
 Acq On : 3 Oct 2019 15:40
 Operator : JU
 Sample : PB123339BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB123339BL

Quant Time: Oct 04 02:17:23 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	52684	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	220917	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	115949	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	189199	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	123186	20.00	ng	0.00
87) Perylene-d12	15.42	264	103033	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	347093	102.86	ng	0.00
7) Phenol-d6	6.45	99	503688	115.50	ng	0.00
23) Nitrobenzene-d5	7.37	82	317462	75.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	112192	115.77	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	606540	81.79	ng	-0.02
79) Terphenyl-d14	12.90	244	575399	87.31	ng	-0.01

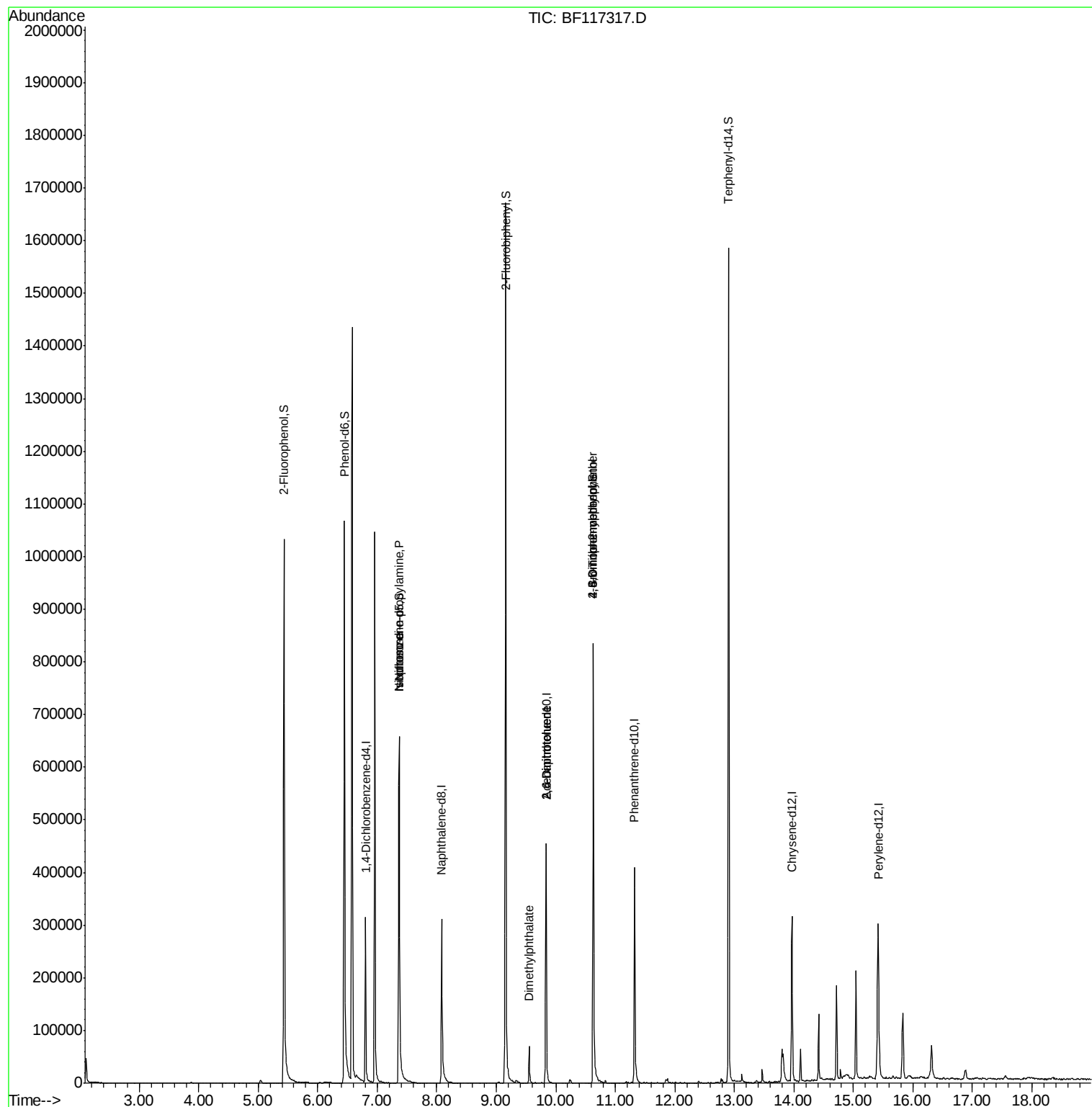
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	664	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	41465	15.614	ng	# 79
25) Isophorone	7.37	82	317460	42.644	ng	# 66
50) Dimethylphthalate	9.55	163	33719	4.107	ng	# 96
51) 2,6-Dinitrotoluene	9.84	165	14464	8.650	ng	# 24
57) 2,4-Dinitrotoluene	9.84	165	14464	6.664	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.63	198	146	7.047	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	7083	3.666	ng	# 1

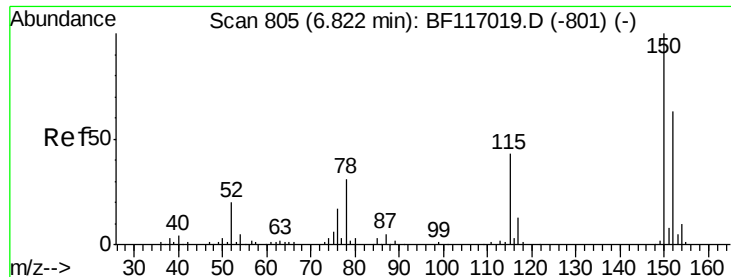
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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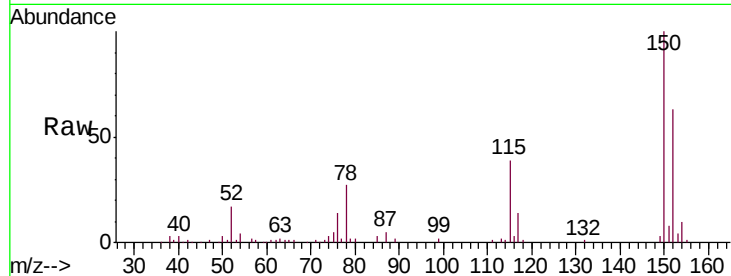


#1

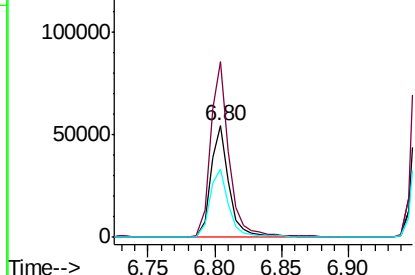
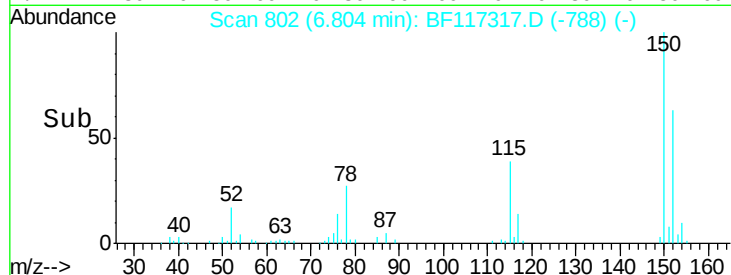
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117317.D
Acq: 3 Oct 2019 15:40

Instrument :
BNA_F
ClientSampleId :
PB123339BL

Tgt Ion:152 Resp: 52684
Ion Ratio Lower Upper
152 100
150 157.9 127.5 191.3
115 61.3 55.0 82.4



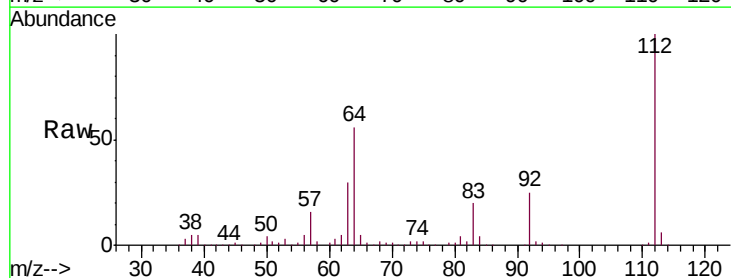
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



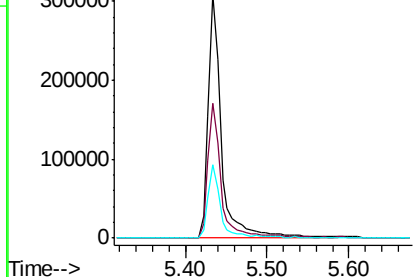
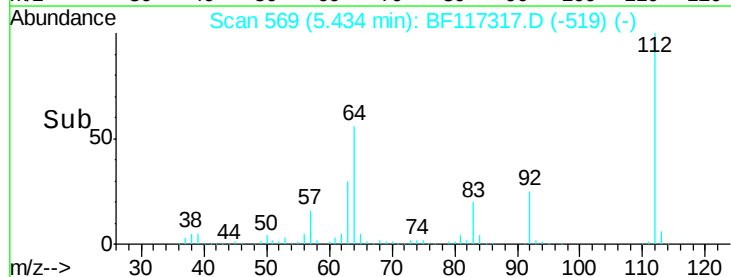
#5

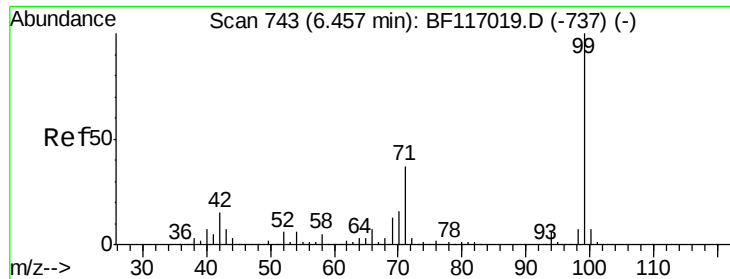
2-Fluorophenol
Concen: 102.858 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117317.D
Acq: 3 Oct 2019 15:40

Tgt Ion:112 Resp: 347093
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 30.3 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: 115.497 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Instrument :

BNA_F

ClientSampleId :

PB123339BL

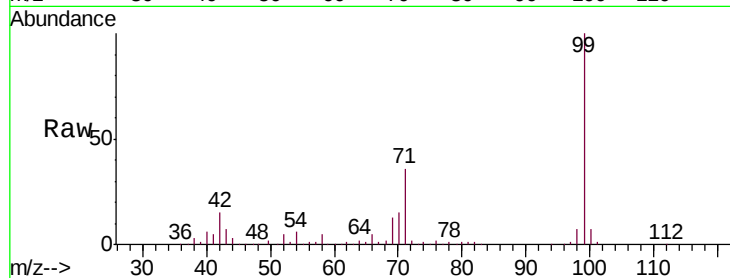
Tgt Ion: 99 Resp: 503688

Ion Ratio Lower Upper

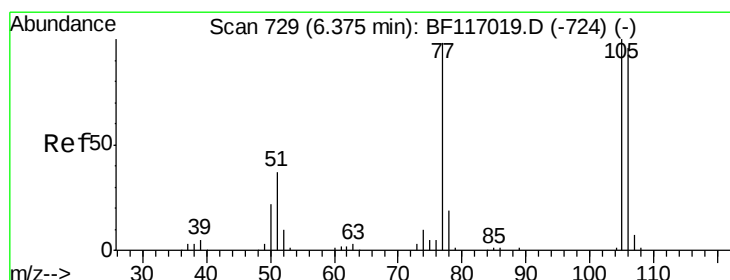
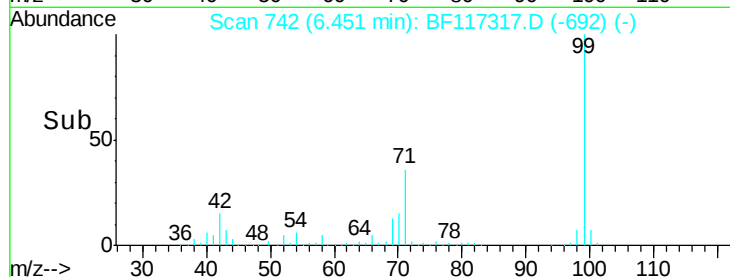
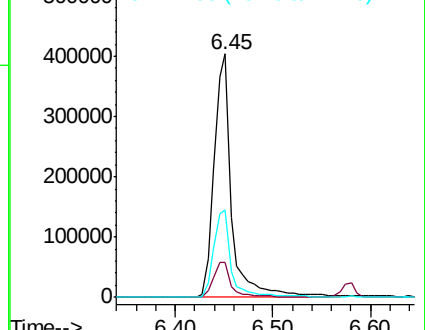
99 100

42 14.6 12.2 18.2

71 35.9 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: BF117317.D

Acq: 3 Oct 2019 15:40

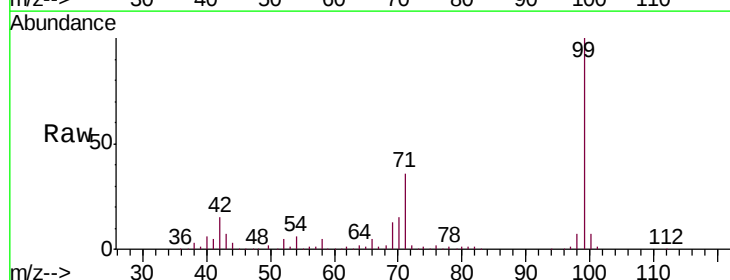
Tgt Ion: 77 Resp: 664

Ion Ratio Lower Upper

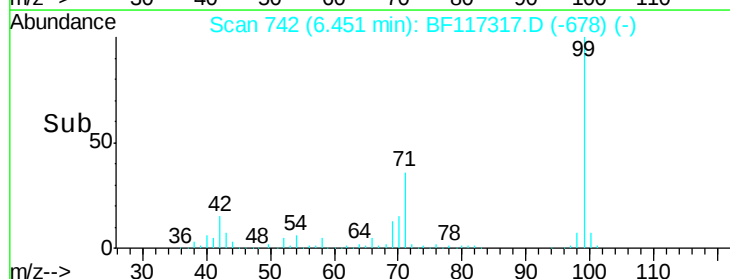
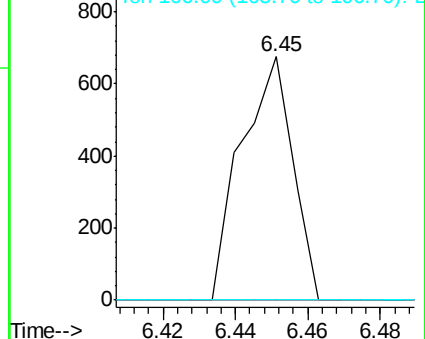
77 100

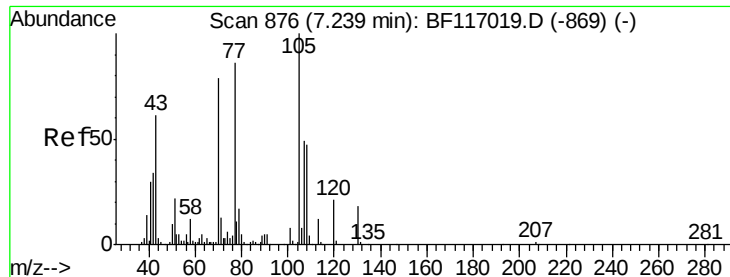
105 0.0 81.8 121.8#

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





#19

n-Nitroso-di-n-propylamine

Concen: 15.614 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Instrument :

BNA_F

ClientSampleId :

PB123339BL

Tgt Ion: 70 Resp: 41465

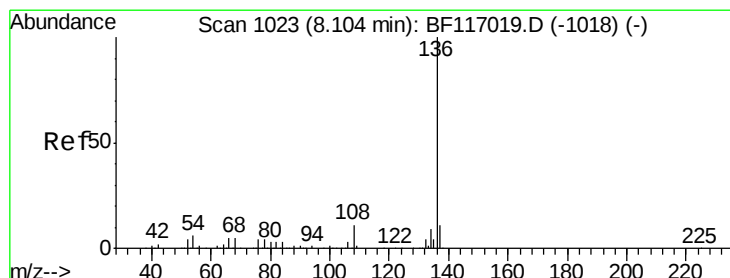
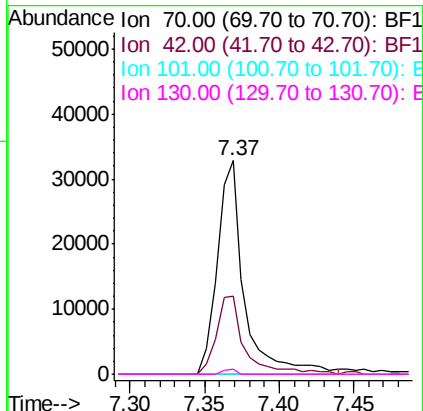
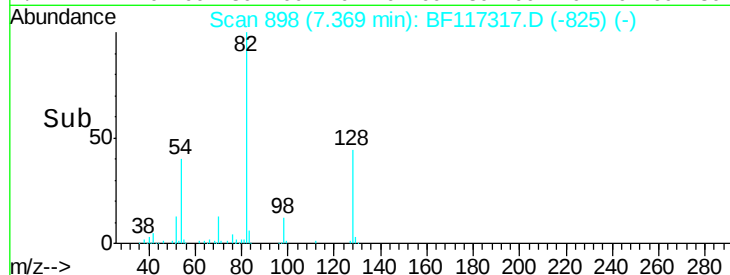
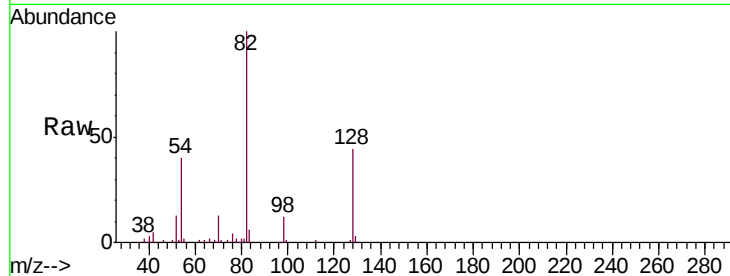
Ion Ratio Lower Upper

70 100

42 36.6 34.0 51.0

101 0.0 7.8 11.6#

130 2.3 17.8 26.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Tgt Ion: 136 Resp: 220917

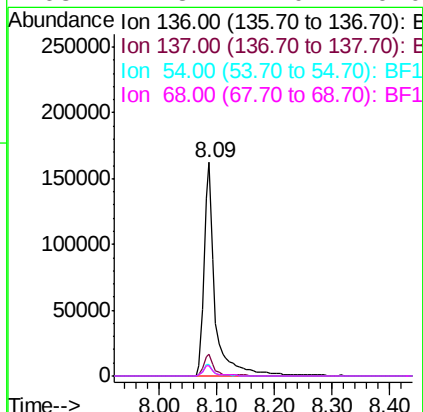
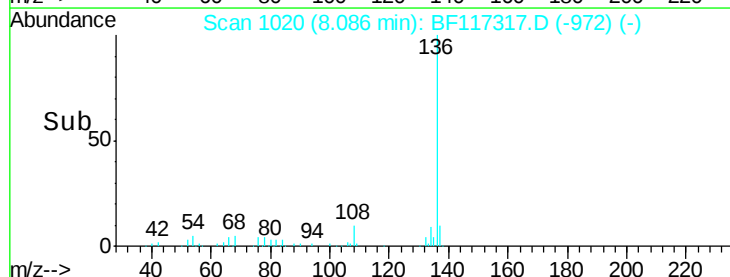
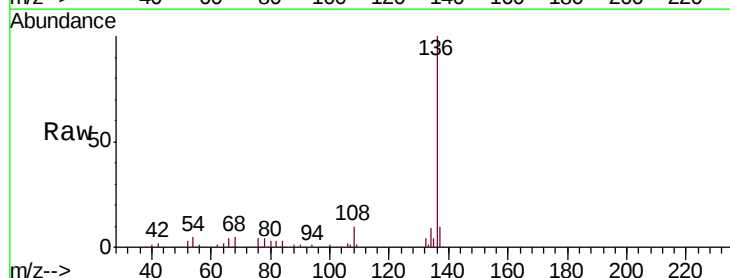
Ion Ratio Lower Upper

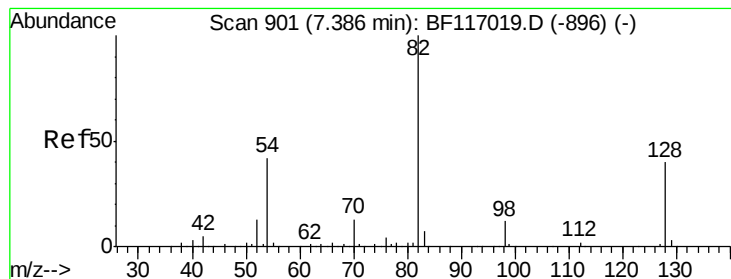
136 100

137 10.4 9.0 13.4

54 5.2 4.5 6.7

68 4.8 4.0 6.0





#23

Nitrobenzene-d5

Concen: 75.504 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Instrument :

BNA_F

ClientSampleId :

PB123339BL

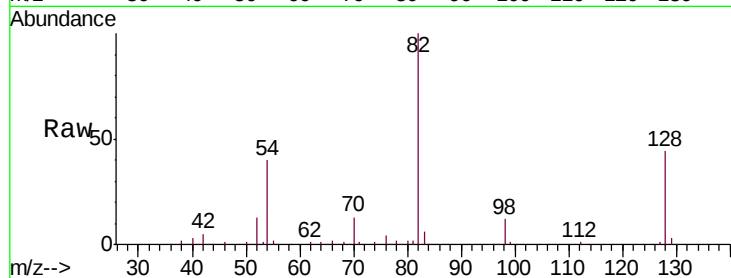
Tgt Ion: 82 Resp: 317462

Ion Ratio Lower Upper

82 100

128 44.0 32.3 48.5

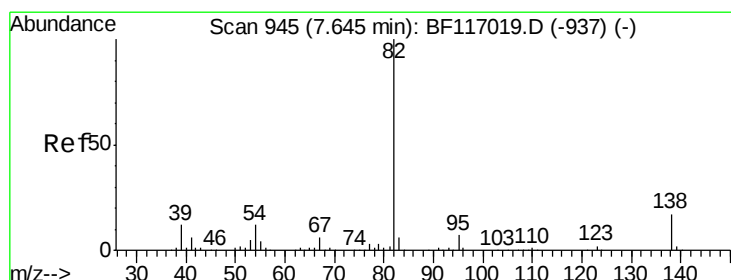
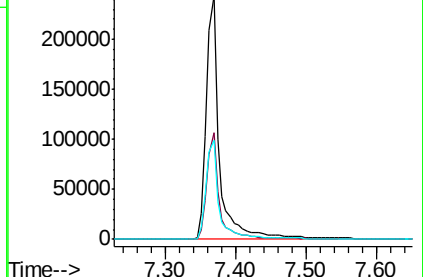
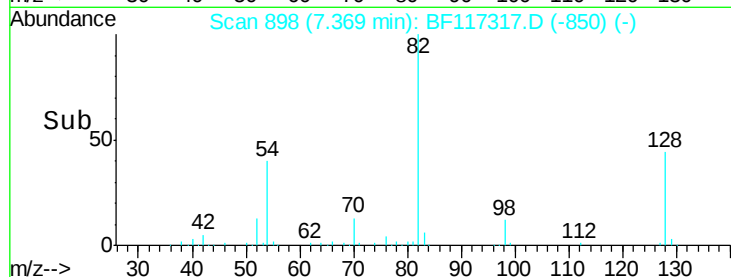
54 40.5 33.3 49.9



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: 42.644 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

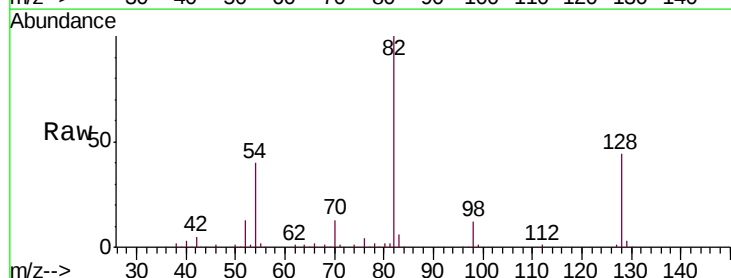
Tgt Ion: 82 Resp: 317460

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

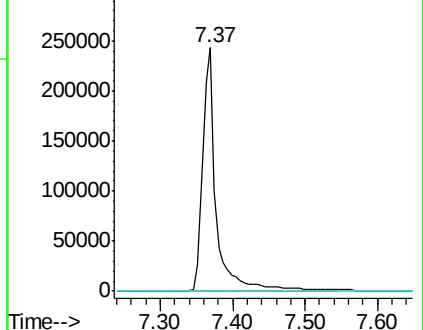
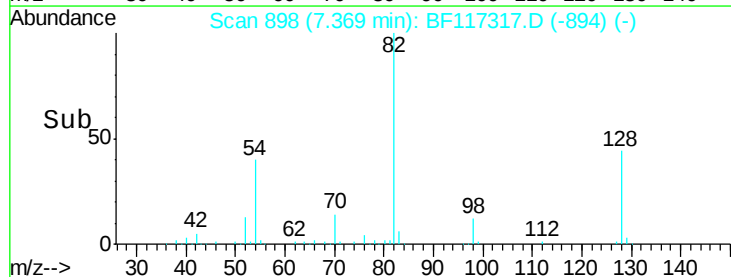
138 0.0 13.5 20.3#

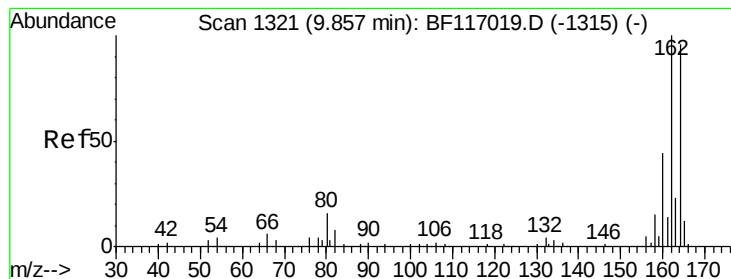


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: BF117317.D

Acq: 3 Oct 2019 15:40

Instrument :

BNA_F

ClientSampleId :

PB123339BL

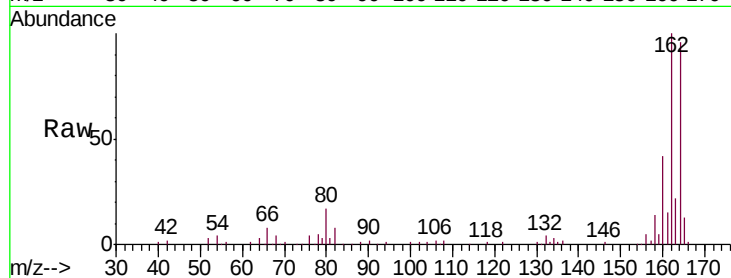
Tgt Ion:164 Resp: 115949

Ion Ratio Lower Upper

164 100

162 103.9 83.4 125.2

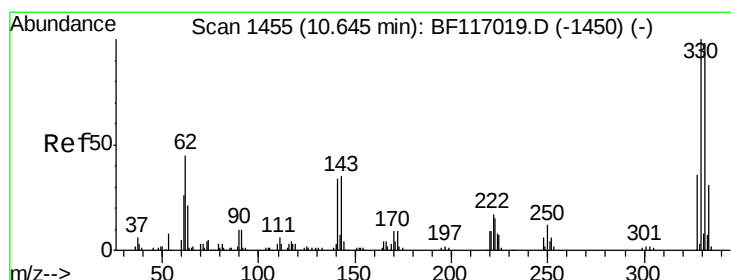
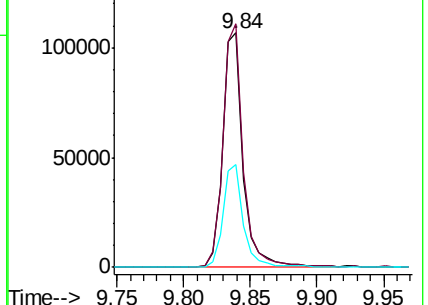
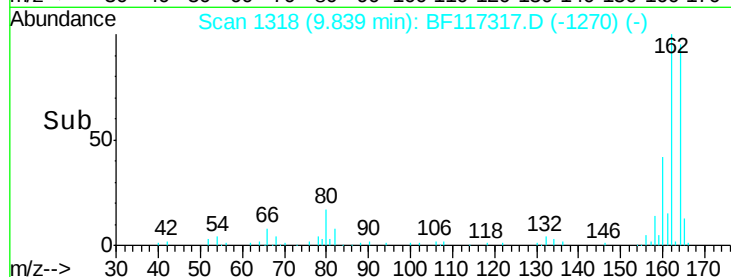
160 44.1 36.4 54.6



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: 115.773 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

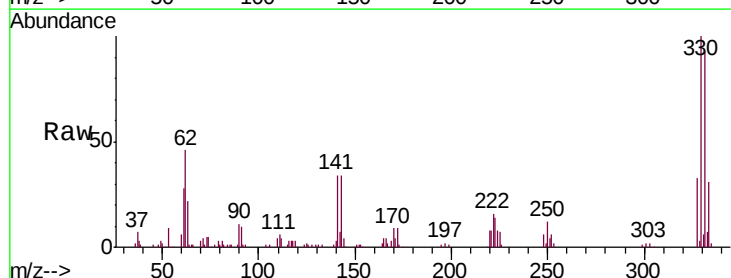
Tgt Ion:330 Resp: 112192

Ion Ratio Lower Upper

330 100

332 93.6 78.0 117.0

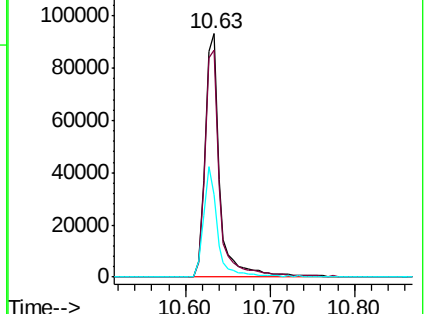
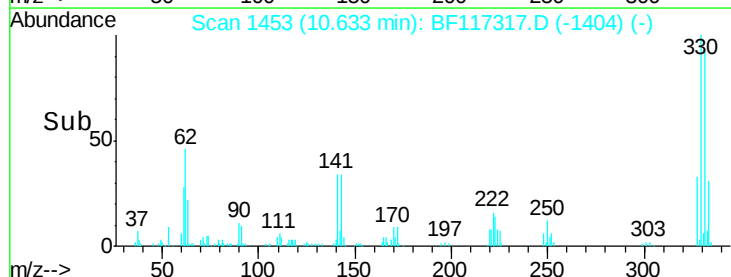
141 42.9 35.8 53.6



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

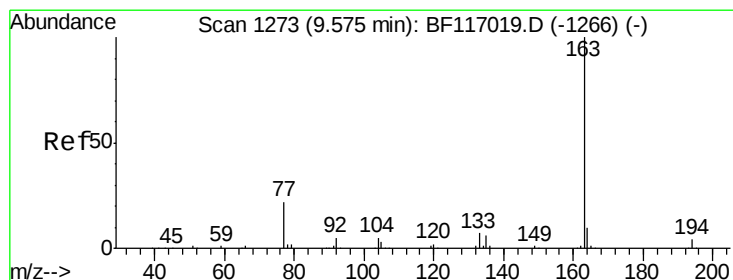
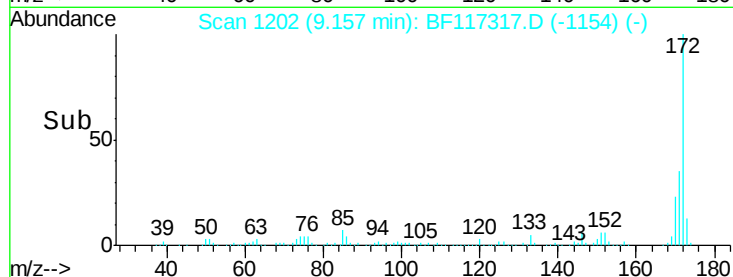
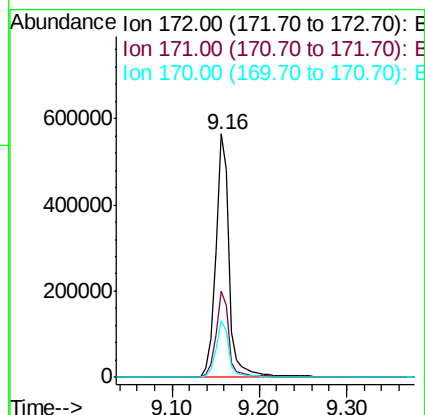
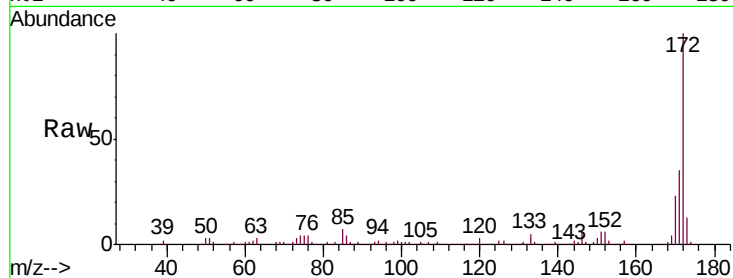




#45
2-Fluorobiphenyl
Concen: 81.792 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF117317.D
Acq: 3 Oct 2019 15:40

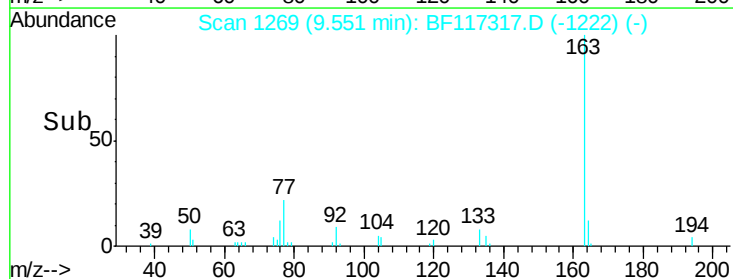
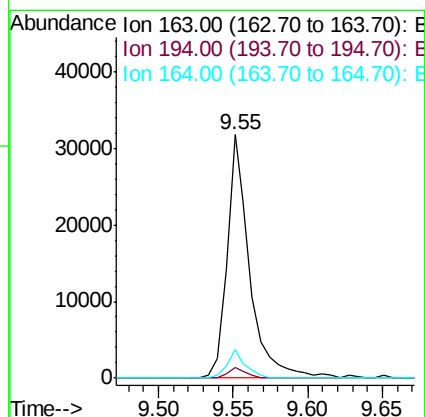
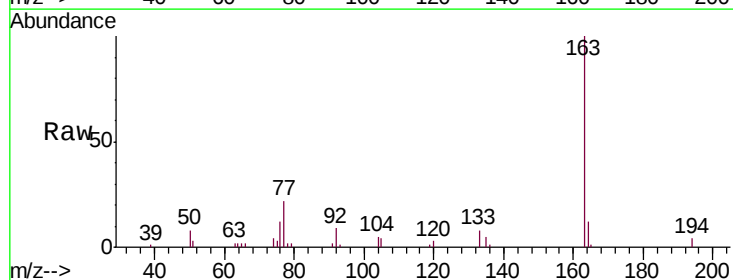
Instrument :
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Tgt Ion:172 Resp: 606540
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.3 18.9 28.3



#50
Dimethylphthalate
Concen: 4.107 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF117317.D
Acq: 3 Oct 2019 15:40

Tgt Ion:163 Resp: 33719
Ion Ratio Lower Upper
163 100
194 4.4 2.9 4.3#
164 12.0 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 8.650 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Instrument :

BNA_F

ClientSampleId :

PB123339BL

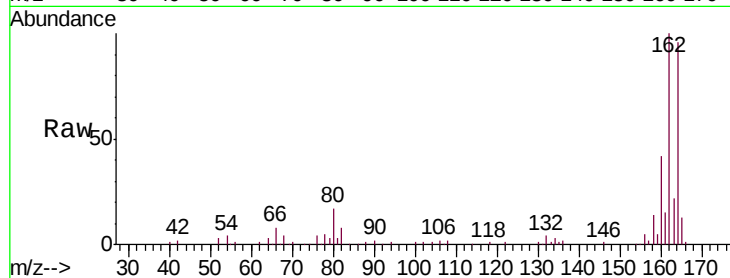
Tgt Ion:165 Resp: 14464

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

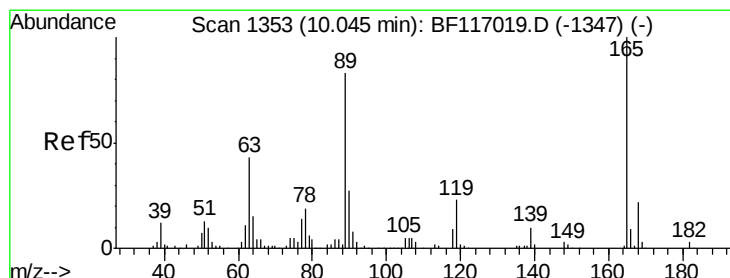
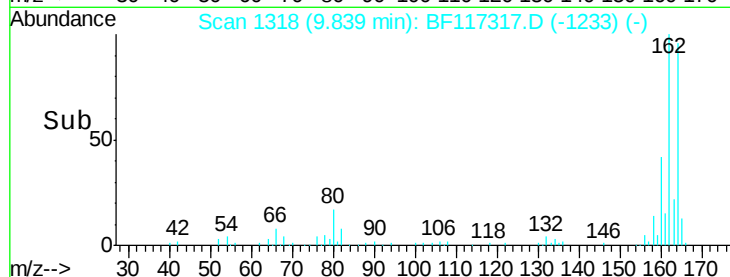
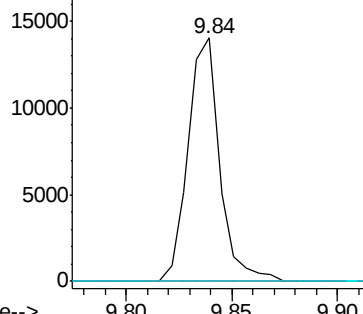
89 0.0 46.5 69.7#



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: 6.664 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Tgt Ion:165 Resp: 14464

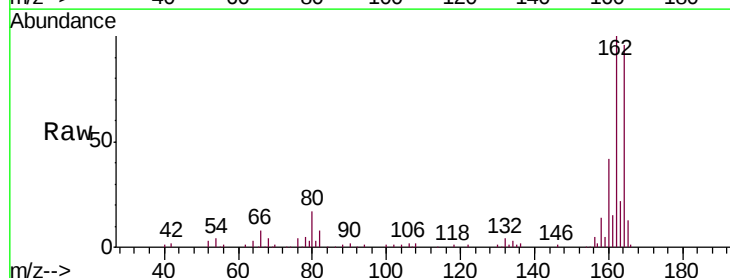
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

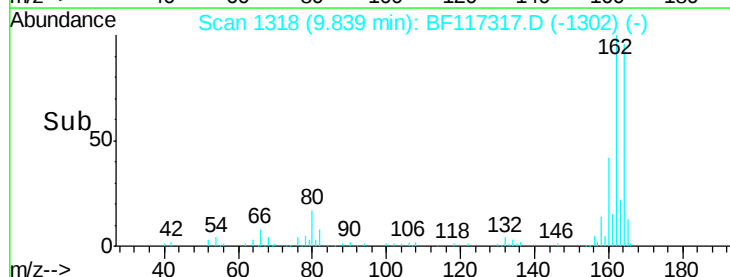
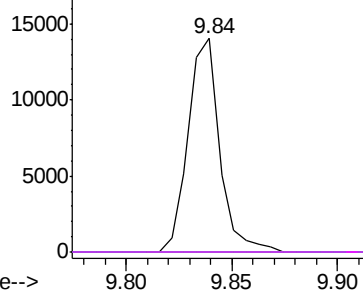


Abundance Ion 165.00 (164.70 to 165.70): E

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

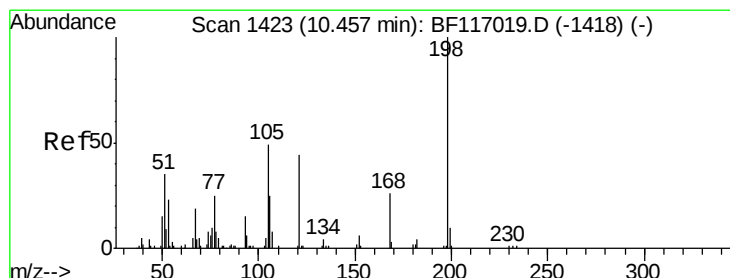
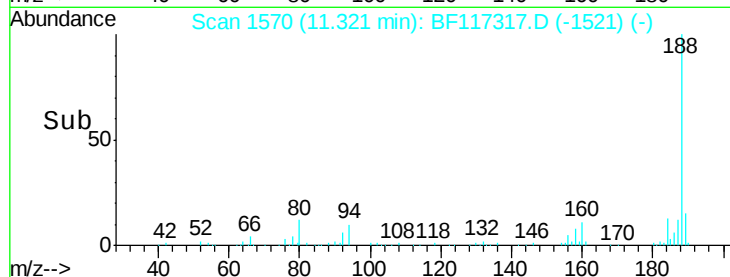
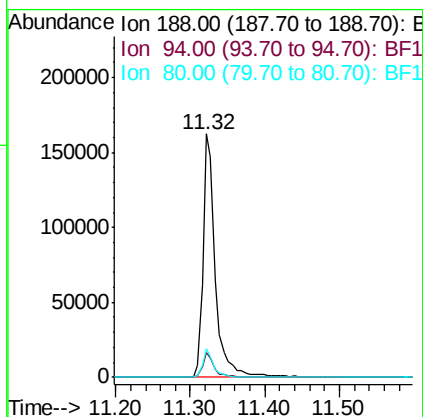
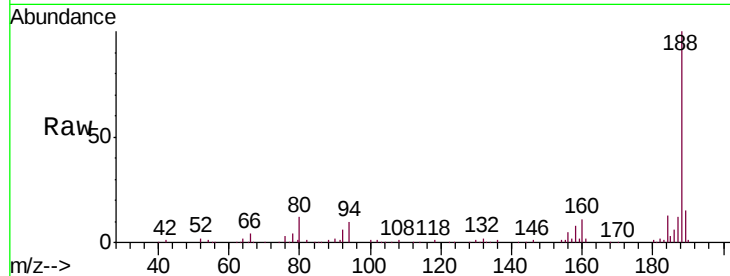




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF117317.D
Acq: 3 Oct 2019 15:40

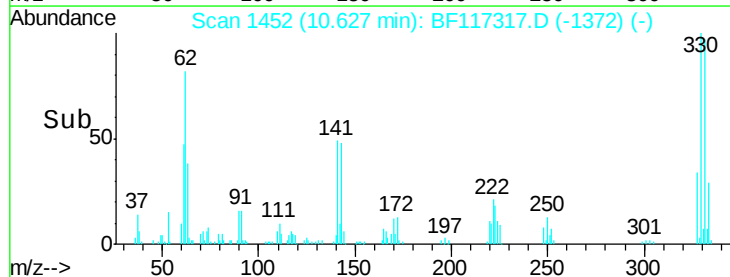
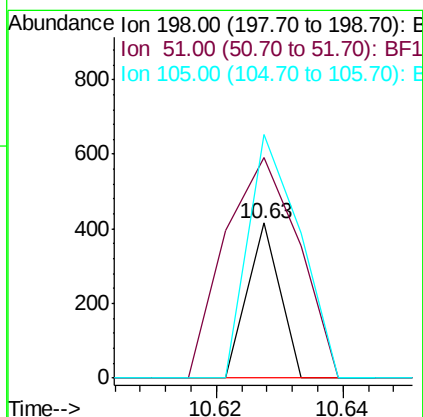
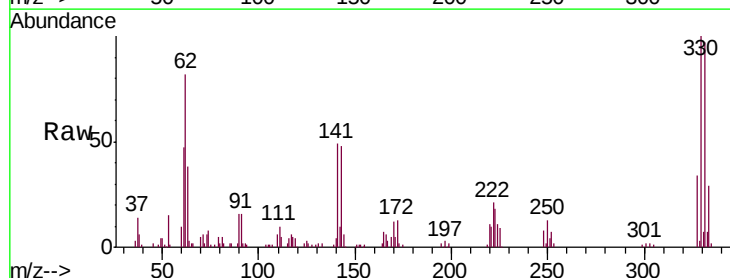
Instrument :
BNA_F
ClientSampleId :
PB123339BL

Tgt Ion:188 Resp: 189199
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 11.9 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.047 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.17 min
Lab File: BF117317.D
Acq: 3 Oct 2019 15:40

Tgt Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 142.7 18.7 58.7#
105 157.3 30.2 70.2#

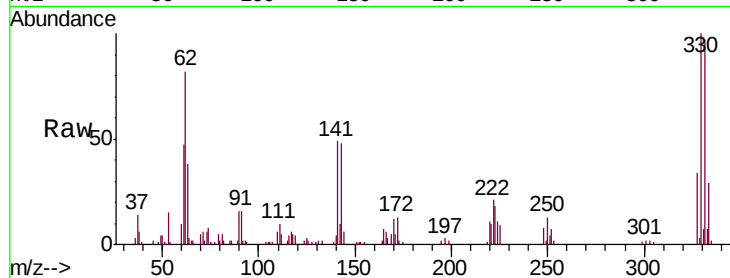




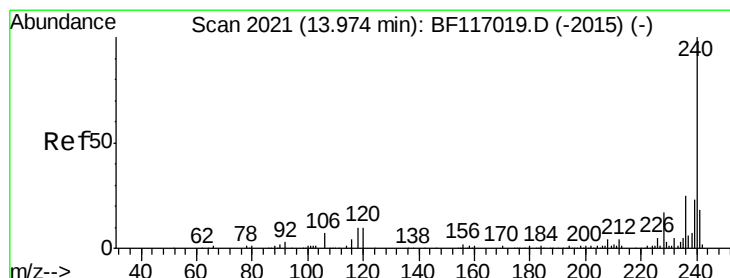
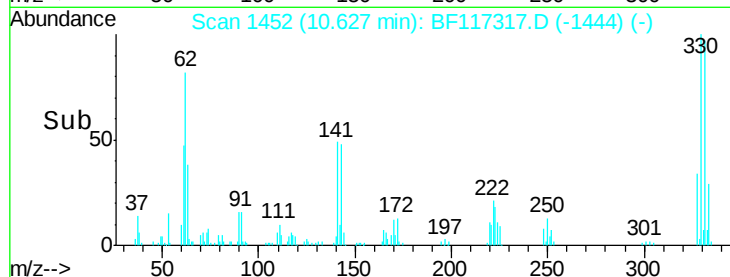
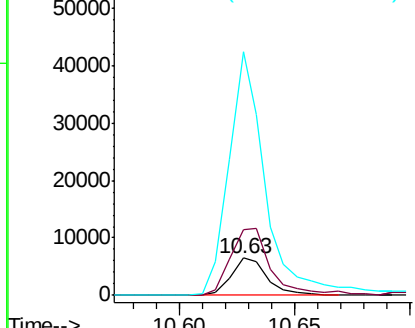
#67
 4-Bromophenyl-phenylether
 Concen: 3.666 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF117317.D
 Acq: 3 Oct 2019 15:40

Instrument :
 BNA_F
 ClientSampled :
 PB123339BL

Tgt Ion: 248 Resp: 7083
 Ion Ratio Lower Upper
 248 100
 250 176.4 76.2 114.4#
 141 650.9 75.0 112.4#

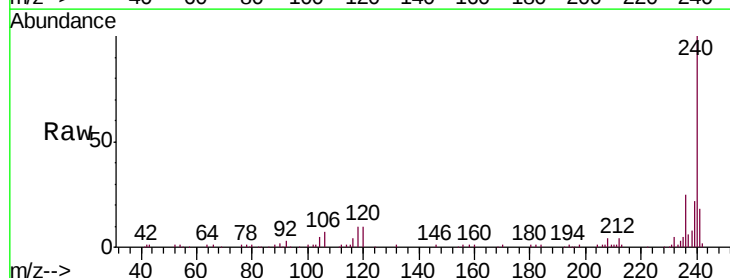


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

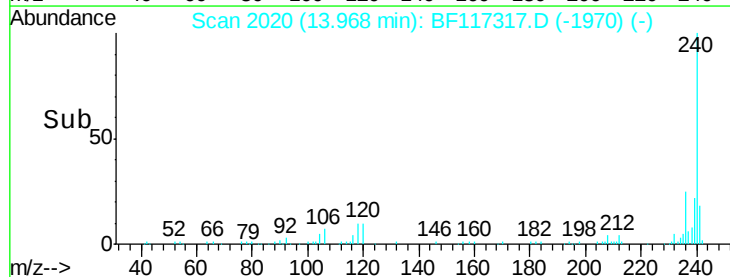
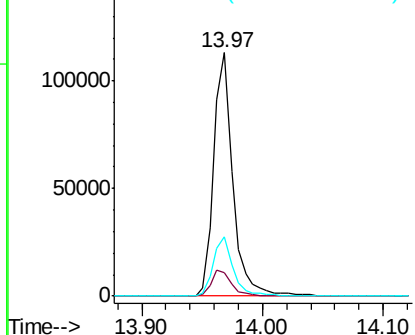


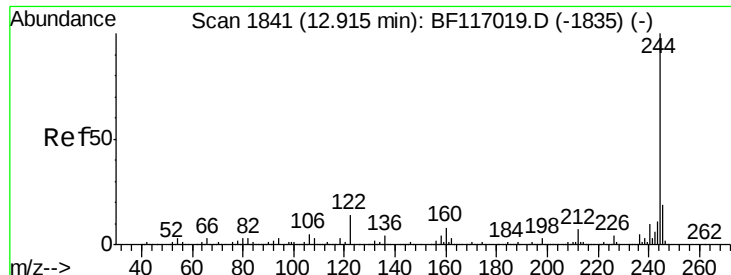
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117317.D
 Acq: 3 Oct 2019 15:40

Tgt Ion: 240 Resp: 123186
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.3 12.5
 236 24.6 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





#79

Terphenyl-d14

Concen: 87.311 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117317.D

Acq: 3 Oct 2019 15:40

Instrument :

BNA_F

ClientSampleId :

PB123339BL

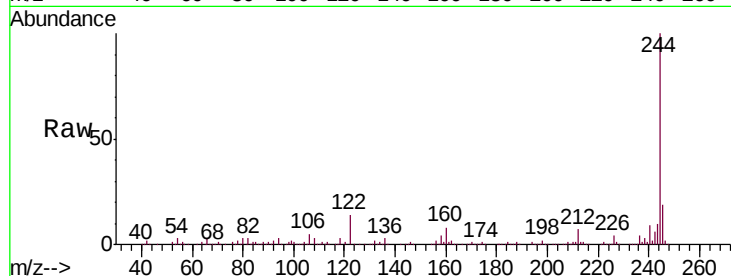
Tgt Ion:244 Resp: 575399

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

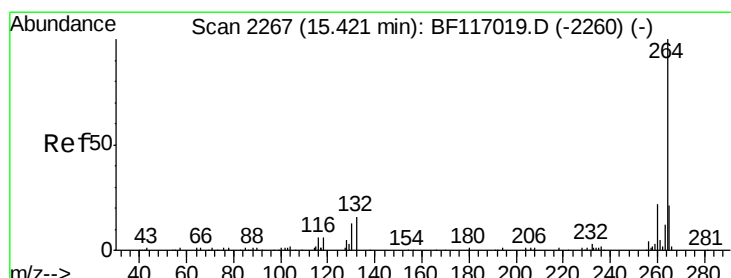
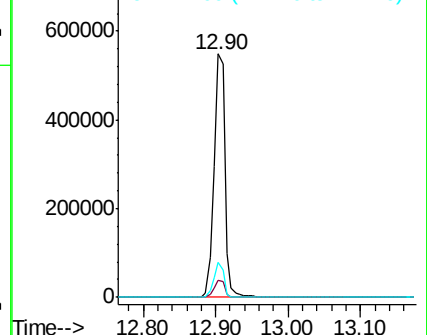
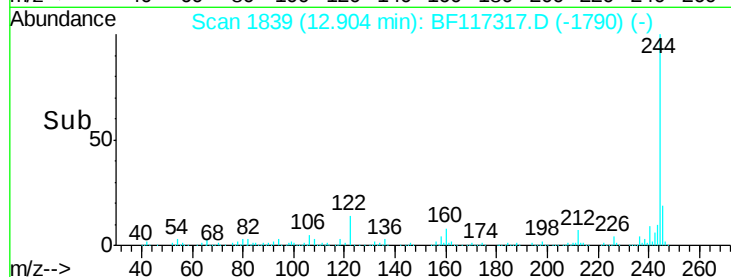
122 14.2 11.3 16.9



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: BF117317.D

Acq: 3 Oct 2019 15:40

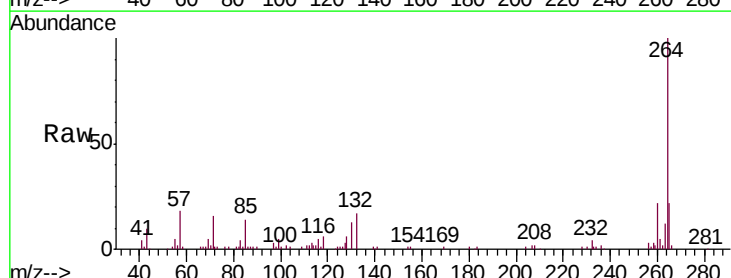
Tgt Ion:264 Resp: 103033

Ion Ratio Lower Upper

264 100

260 21.9 17.6 26.4

265 21.7 16.6 24.8



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

