

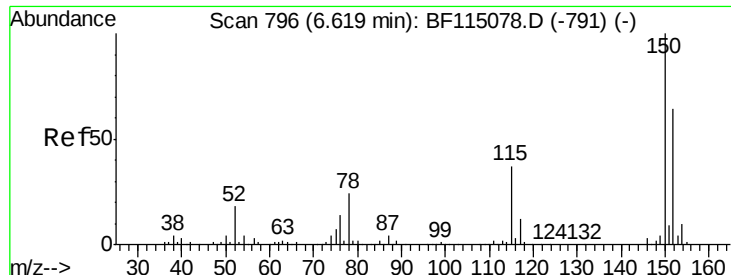
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115128.D
 Acq On : 22 Jun 2019 18:37
 Operator : HP/JU
 Sample : K3470-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4

Quant Time: Jun 24 04:36:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	292581	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1129633	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	559319	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1077130	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	658470	20.00	ng	-0.02
87) Perylene-d12	15.08	264	681850	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1088628	57.42	ng	0.00
7) Phenol-d6	6.24	99	1375147	59.76	ng	-0.01
23) Nitrobenzene-d5	7.17	82	808350	44.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.41	330	317706	53.86	ng	-0.02
45) 2-Fluorobiphenyl	8.97	172	1488056	45.19	ng	-0.02
79) Terphenyl-d14	12.69	244	1554786	50.20	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	108229	7.346	ng	# 78
25) Isophorone	7.17	82	800383	21.276	ng	# 63
50) Dimethylphthalate	9.36	163	240355	5.841	ng	# 99
57) 2,4-Dinitrotoluene	9.64	165	71891	5.861	ng	# 30
58) Fluorene	10.18	166	2714	Below Cal		# 89
65) 4,6-Dinitro-2-methylphenol	10.41	198	803	5.086	ng	# 1

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

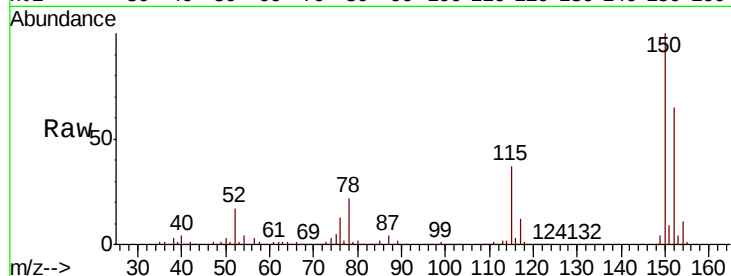


#1

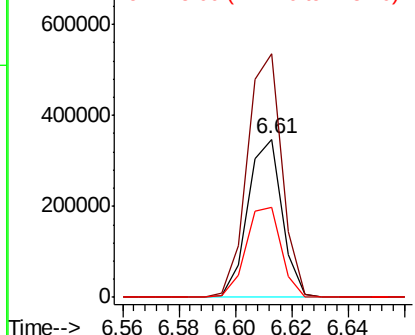
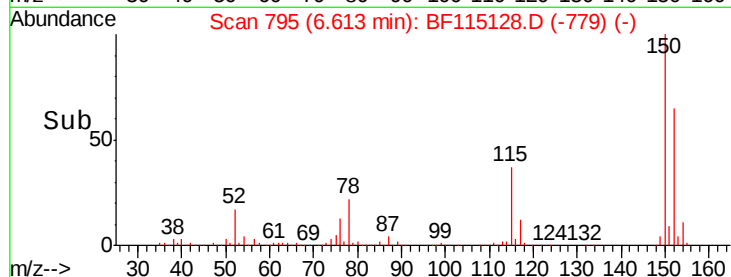
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115128.D
 Acq: 22 Jun 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.2	186.2
115	57.0	46.1	69.1



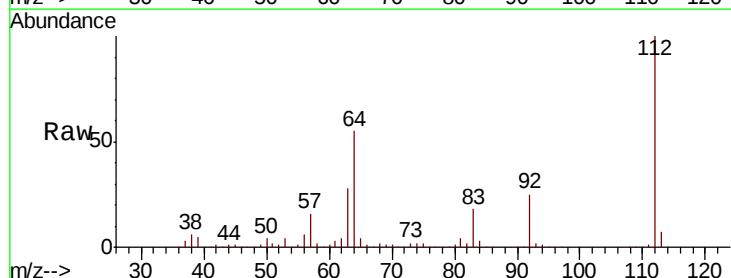
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



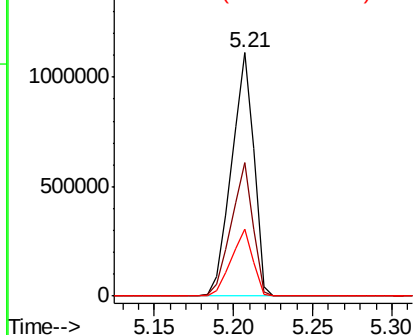
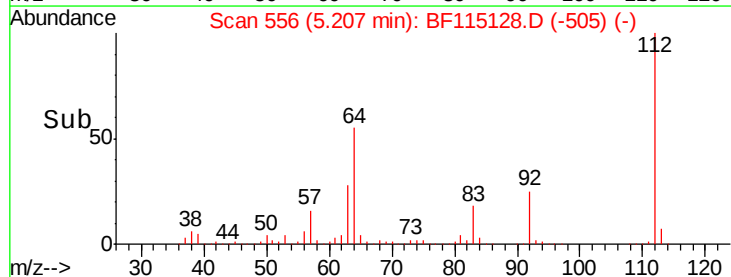
#5

2-Fluorophenol
 Concen: 57.418 ng
 RT: 5.21 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BF115128.D
 Acq: 22 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.8	65.6
63	27.7	22.2	33.4



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: 59.757 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4

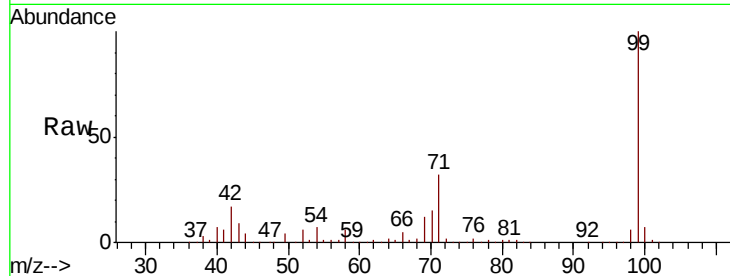
Tot Ion: 99 Resp: 1375147

Ion Ratio Lower Upper

99 100

42 17.3 13.6 20.4

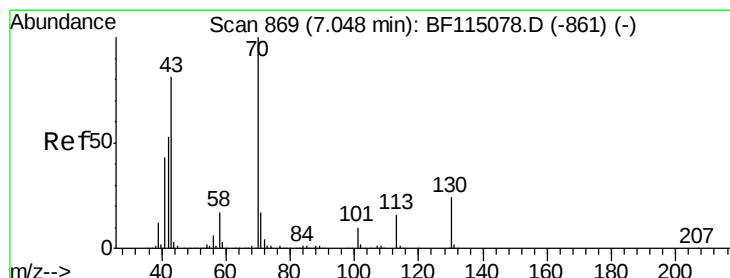
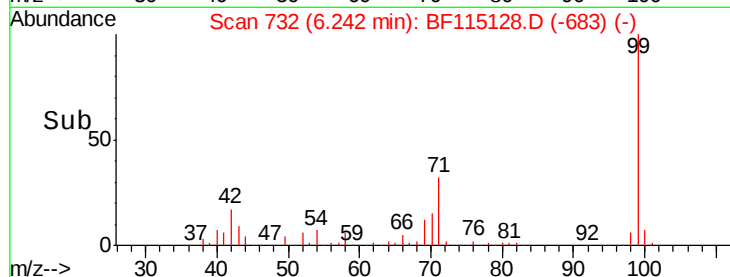
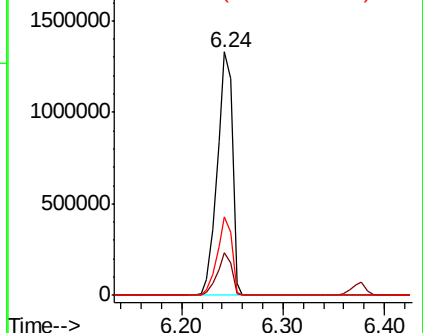
71 32.3 25.5 38.3



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: 7.346 ng

RT: 7.17 min Scan# 889

Delta R.T. 0.12 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Tgt Ion: 70 Resp: 108229

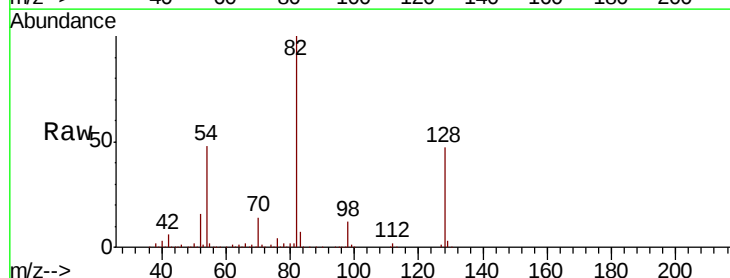
Ion Ratio Lower Upper

70 100

42 44.9 42.6 63.8

101 0.0 8.0 12.0#

130 2.2 19.4 29.0#

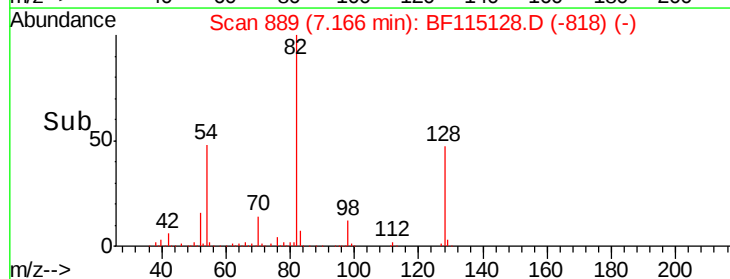
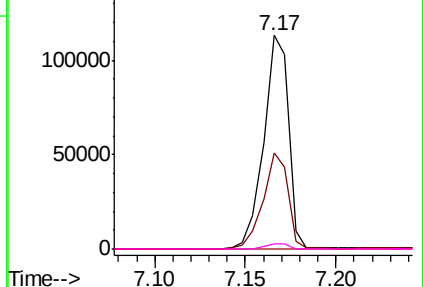


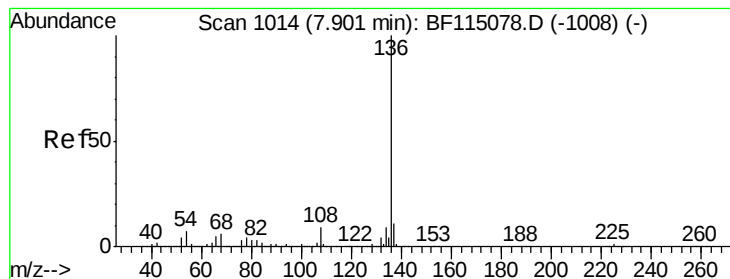
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4

Tot Ion:136 Resp: 1129633

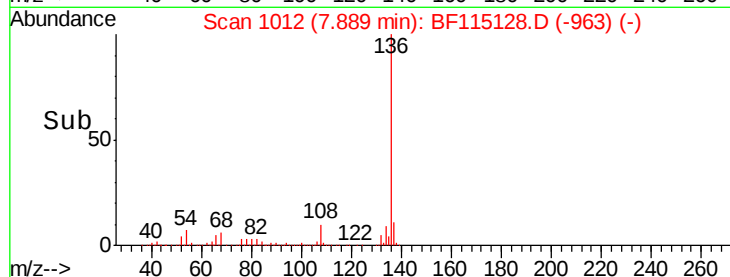
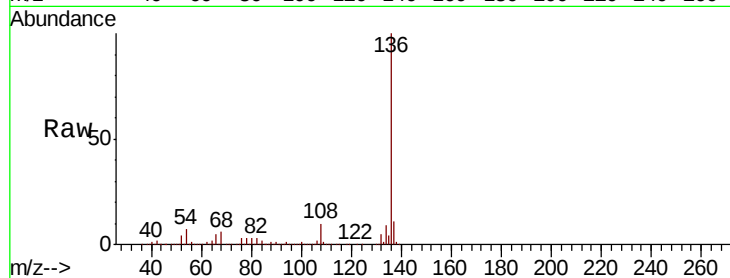
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.0 5.6 8.4

68 6.1 4.8 7.2

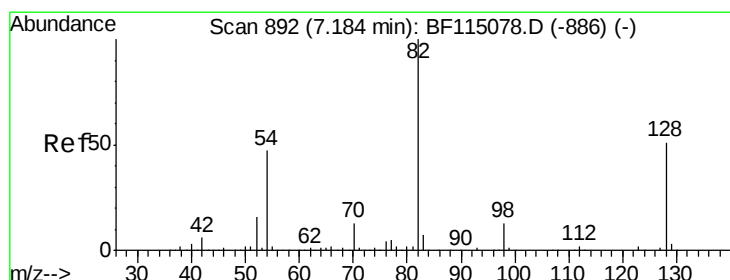
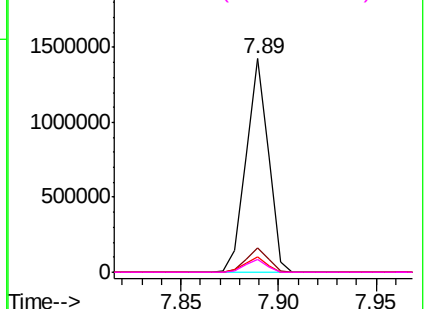


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.020 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.02 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

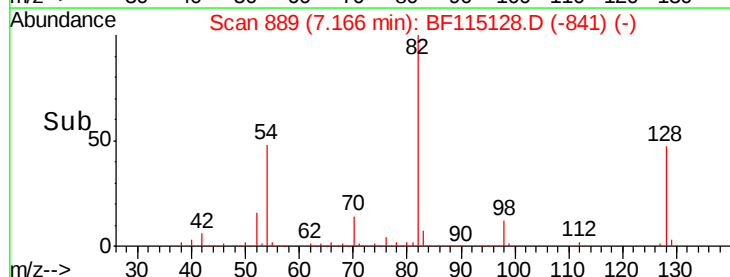
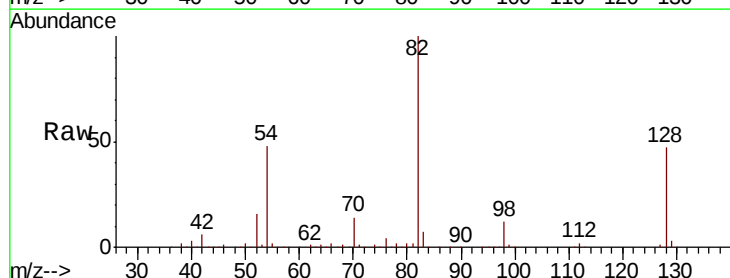
Tgt Ion: 82 Resp: 808350

Ion Ratio Lower Upper

82 100

128 47.4 40.4 60.6

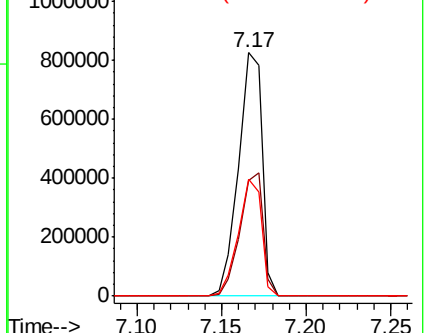
54 48.2 37.5 56.3



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: 21.276 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.28 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA_F

ClientSampled :

SAMPLE-4

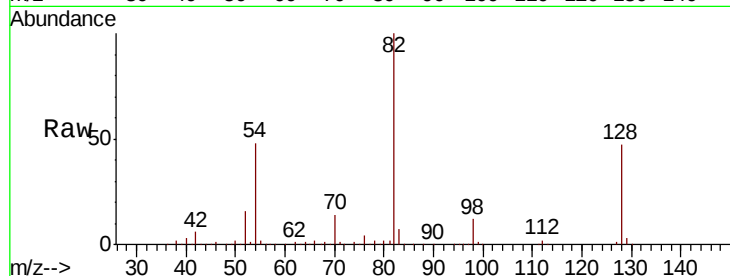
Tot Ion: 82 Resp: 800383

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

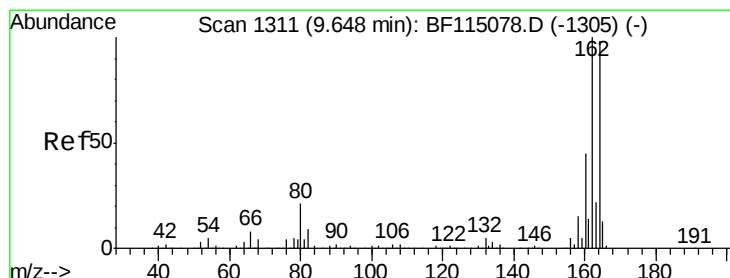
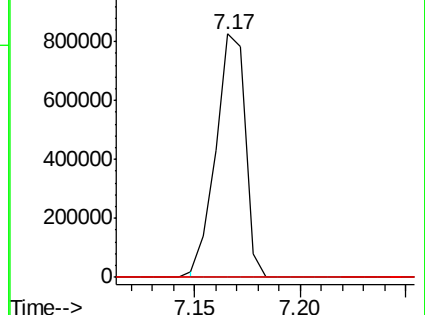
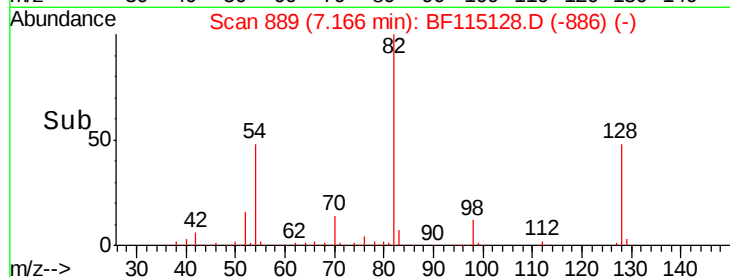
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

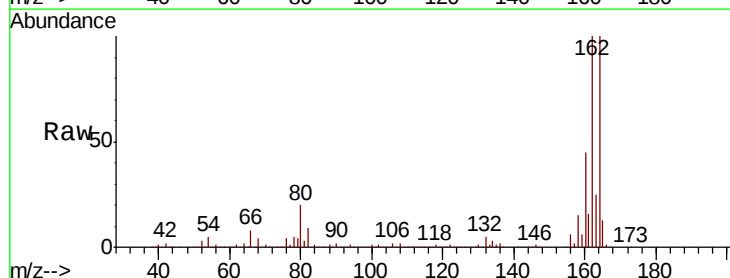
Tgt Ion:164 Resp: 559319

Ion Ratio Lower Upper

164 100

162 99.9 81.7 122.5

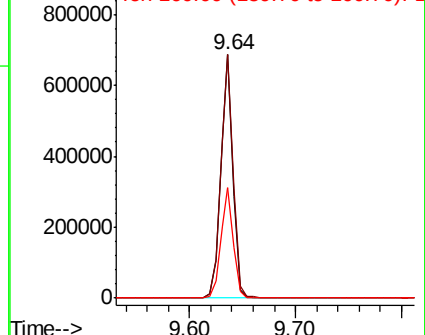
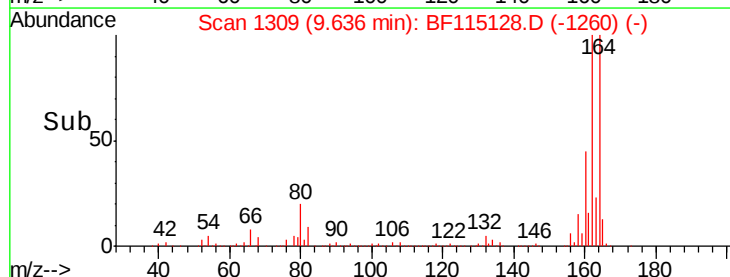
160 45.4 37.0 55.4

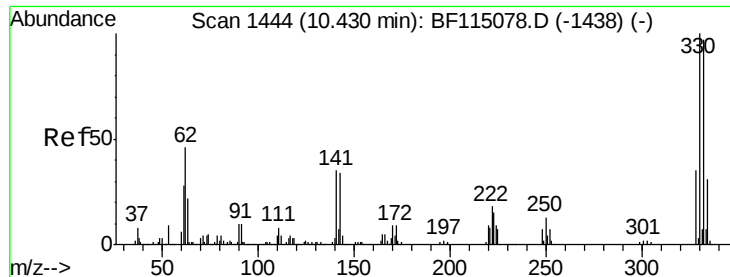


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

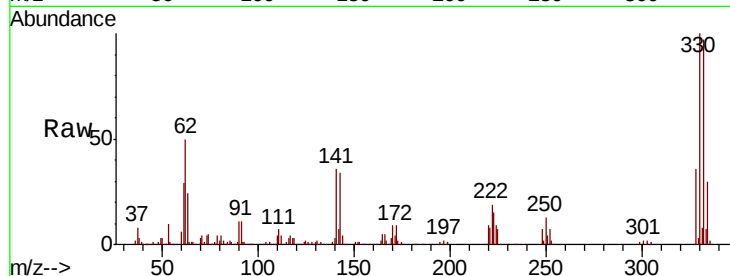




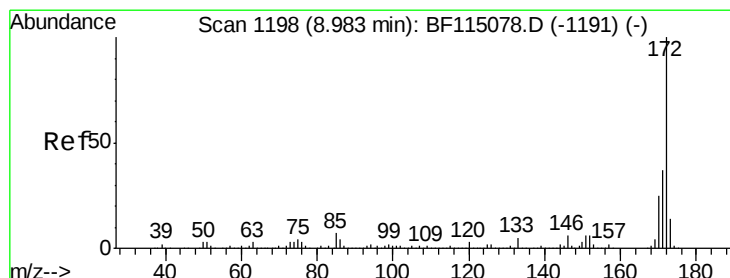
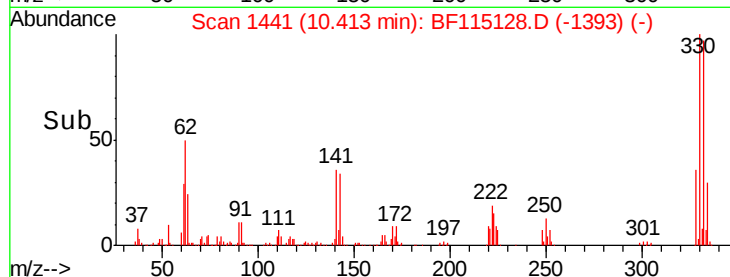
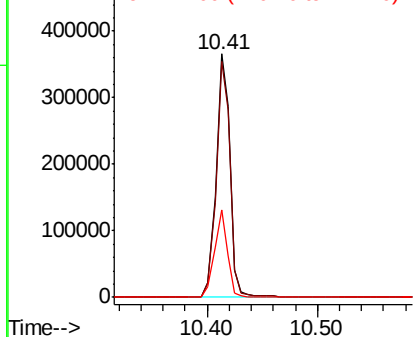
#42
 2,4,6-Tribromophenol
 Concen: 53.865 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF115128.D
 Acq: 22 Jun 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4

Tot Ion:330 Resp: 317706
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.3 115.9
 141 34.1 28.2 42.2

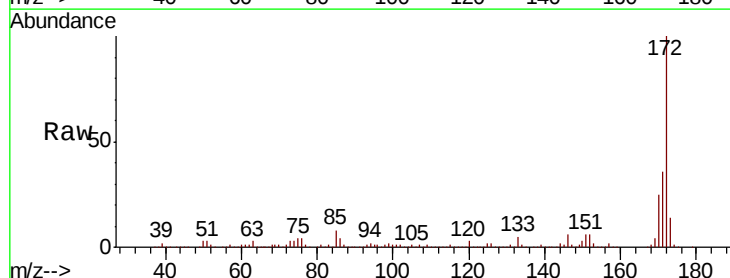


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

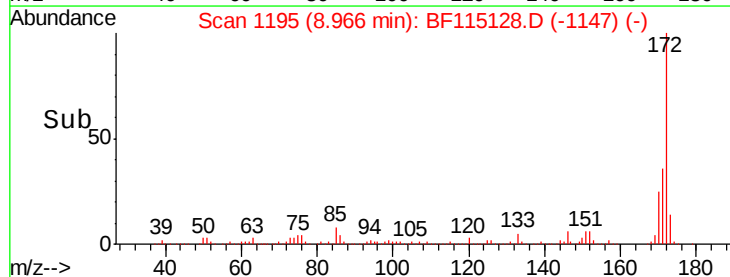
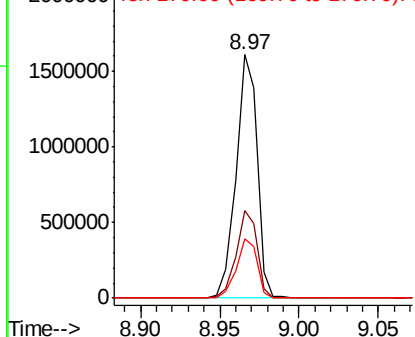


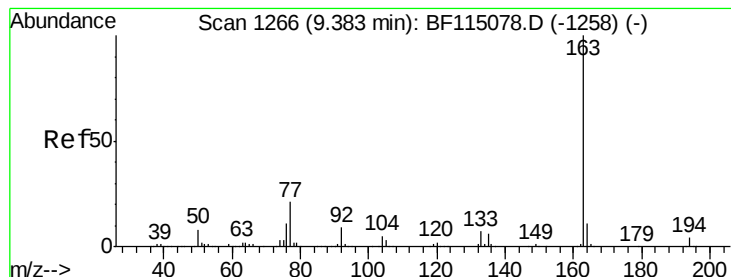
#45
 2-Fluorobiphenyl
 Concen: 45.191 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115128.D
 Acq: 22 Jun 2019 18:37

Tgt Ion:172 Resp: 1488056
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.8 44.6
 170 24.5 20.3 30.5



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: 5.841 ng

RT: 9.36 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4

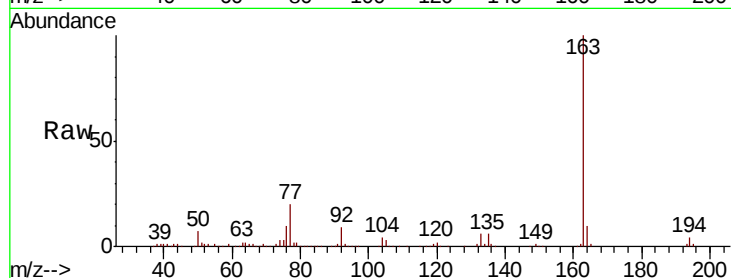
Tot Ion:163 Resp: 240355

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

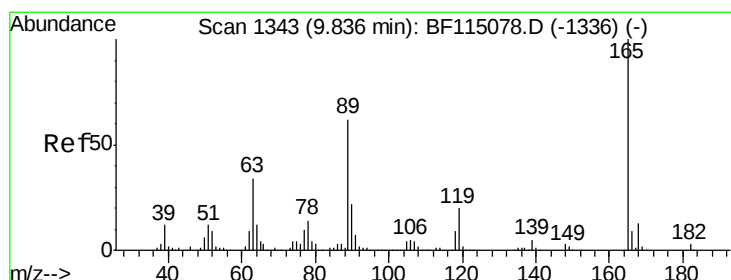
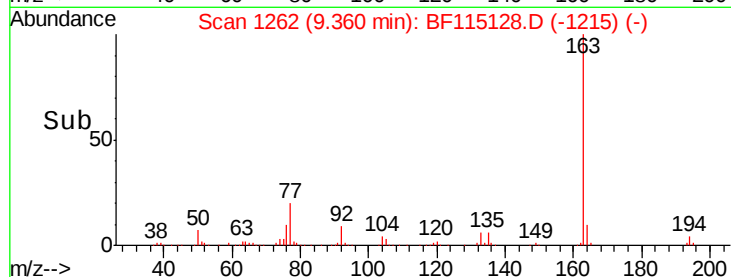
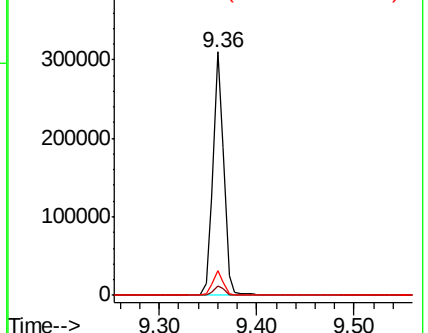
164 10.1 8.6 13.0



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: 5.861 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Tgt Ion:165 Resp: 71891

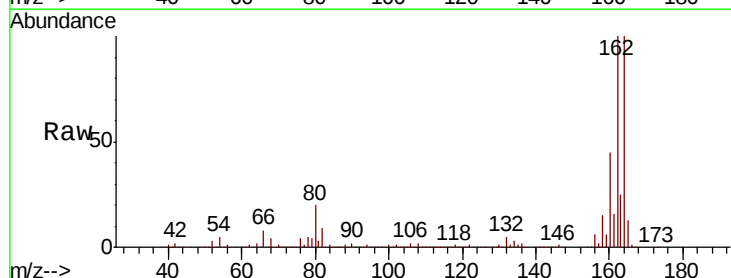
Ion Ratio Lower Upper

165 100

63 1.0 27.5 41.3#

89 1.5 49.9 74.9#

182 0.0 2.1 3.1#

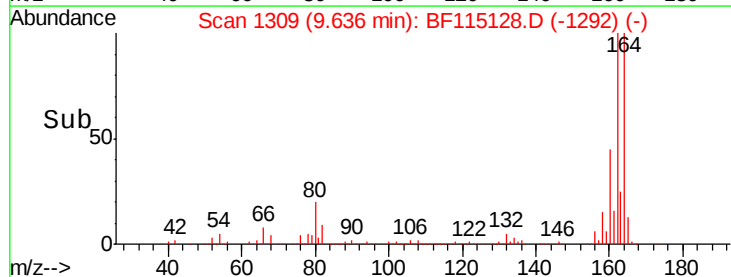
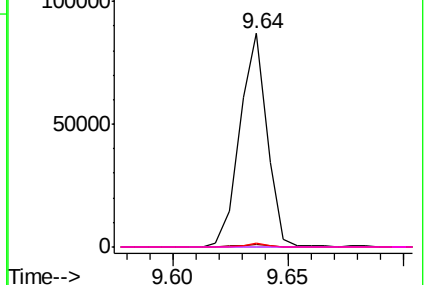


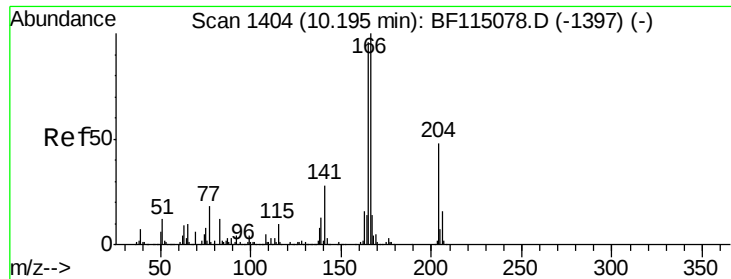
Abundance Ion 165.00 (164.70 to 165.70): E

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

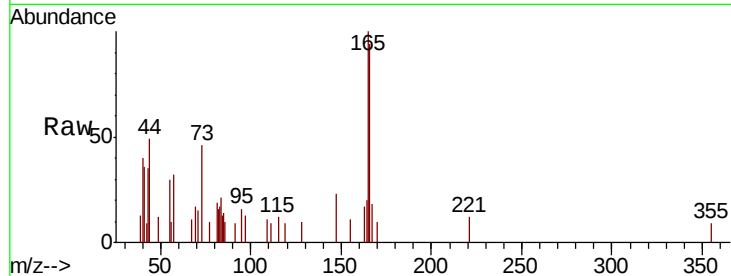




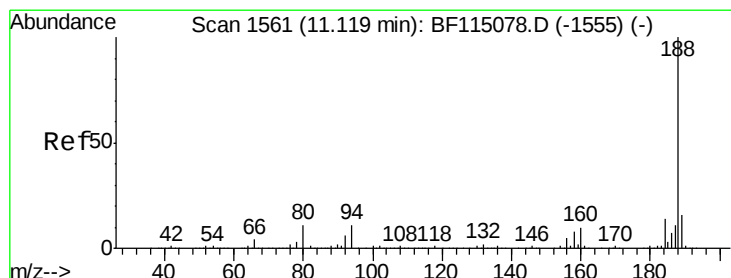
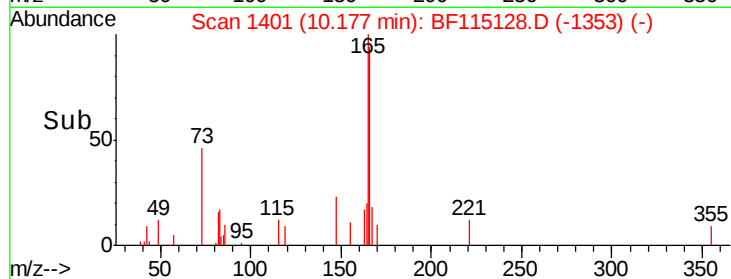
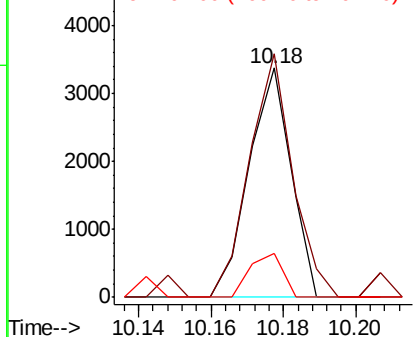
#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF115128.D
 Acq: 22 Jun 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4

Tot Ion:166 Resp: 2714
 Ion Ratio Lower Upper
 166 100
 165 106.3 76.5 114.7
 167 19.5 11.0 16.4#

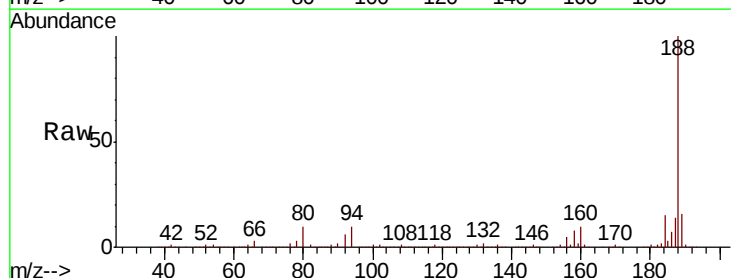


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

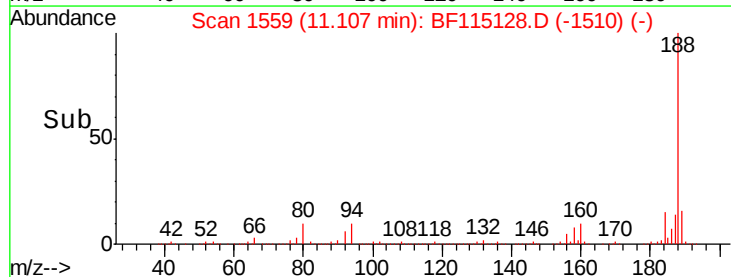
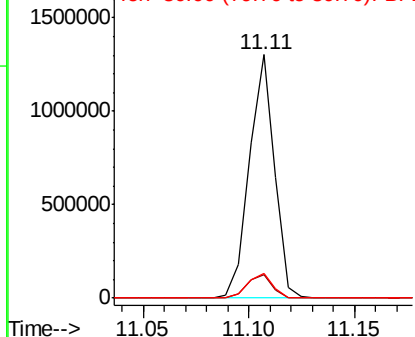


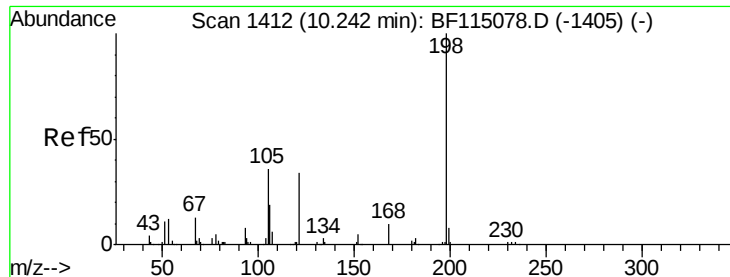
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.11 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF115128.D
 Acq: 22 Jun 2019 18:37

Tgt Ion:188 Resp: 1077130
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.6 12.8
 80 10.2 8.8 13.2



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: 5.086 ng

RT: 10.41 min Scan# 1441

Delta R.T. 0.17 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4

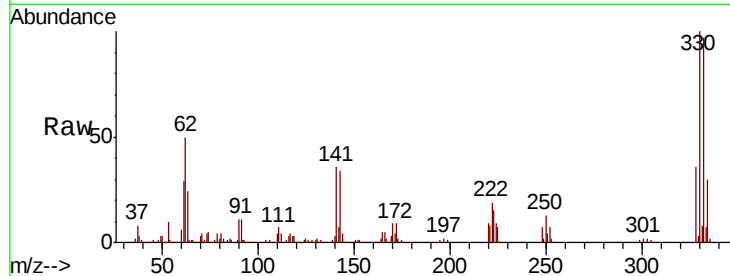
Tot Ion:198 Resp: 803

Ion Ratio Lower Upper

198 100

51 174.6 11.0 51.0#

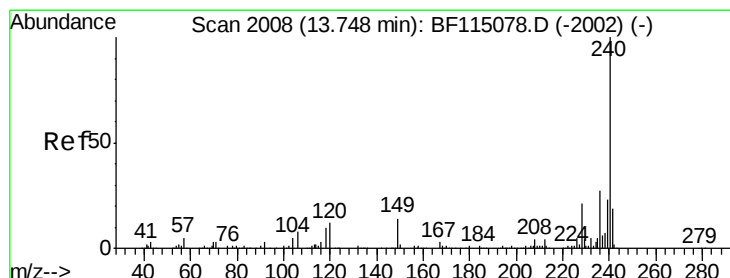
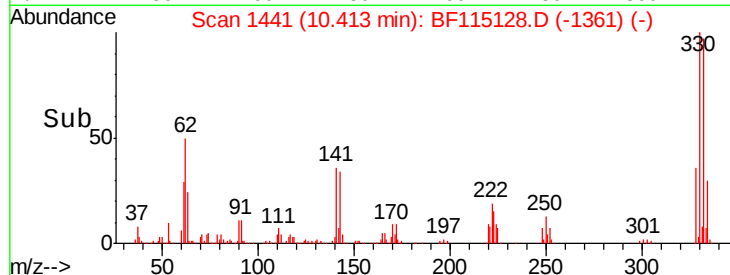
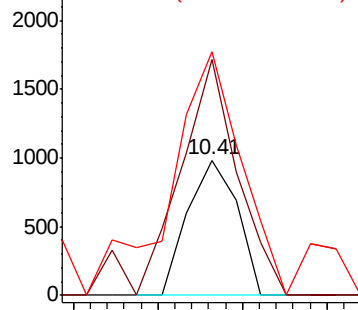
105 180.5 17.3 57.3#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

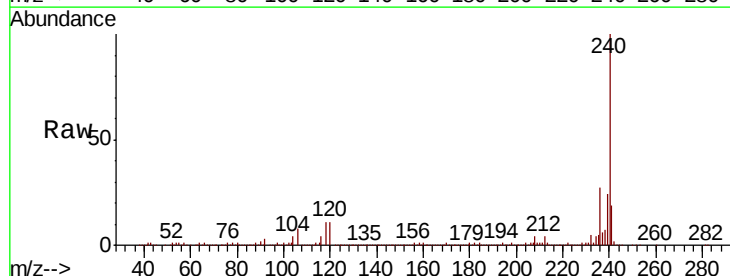
Tgt Ion:240 Resp: 658470

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

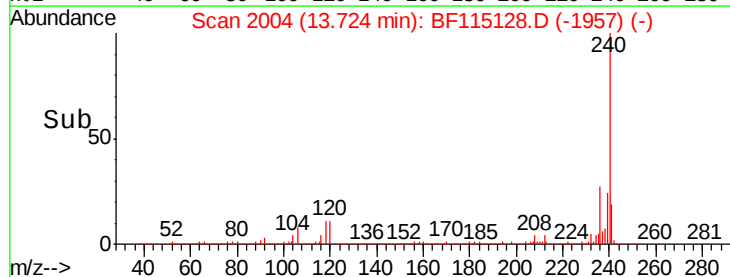
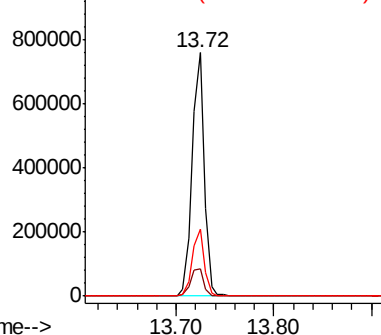
236 27.5 21.7 32.5

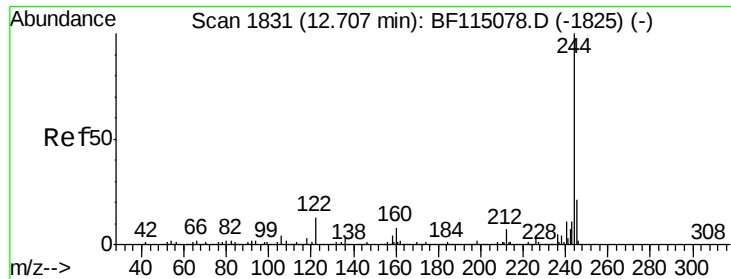


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 50.203 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4

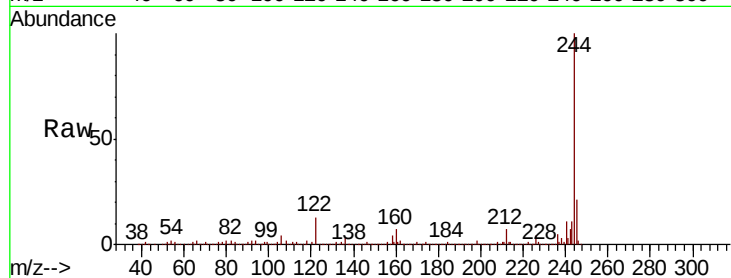
Tot Ion:244 Resp: 1554786

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

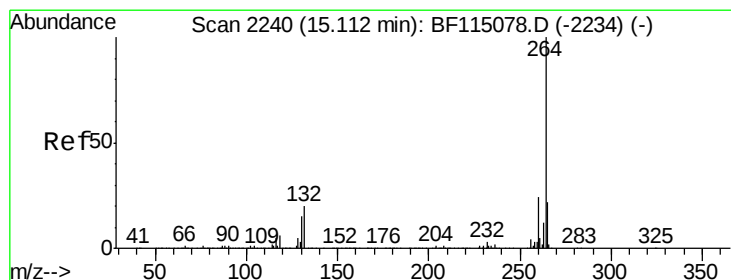
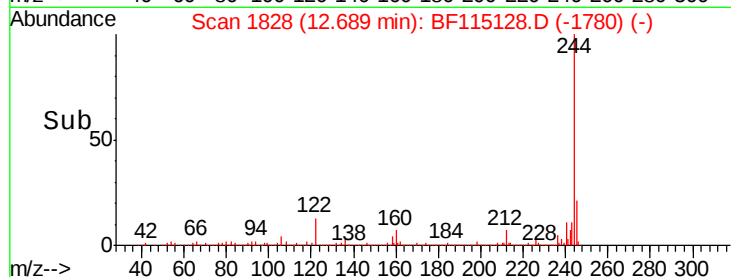
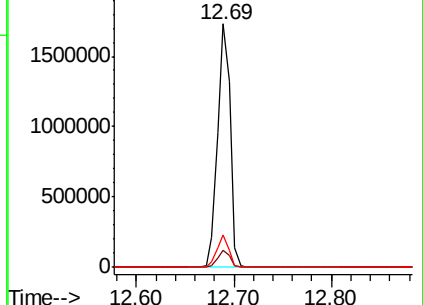
122 13.3 10.4 15.6



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: 15.08 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

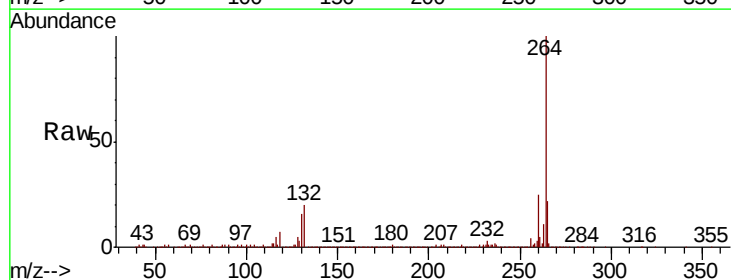
Tgt Ion:264 Resp: 681850

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 21.9 17.3 25.9



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

