

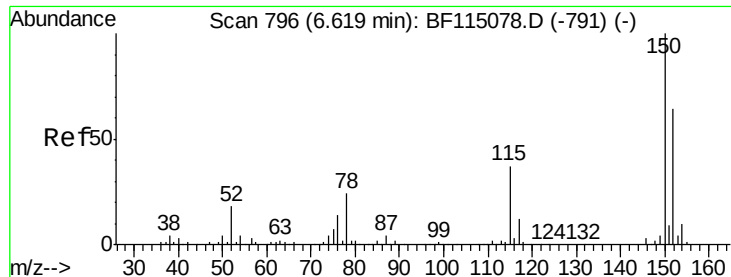
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115132.D
 Acq On : 22 Jun 2019 20:23
 Operator : HP/JU
 Sample : K3448-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-3(0-10)

Quant Time: Jun 24 04:38:29 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	294712	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1090059	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	526314	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	995829	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	594894	20.00	ng	-0.02
87) Perylene-d12	15.09	264	648315	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	2108528	110.41	ng	0.01
7) Phenol-d6	6.25	99	2637953	113.80	ng	0.00
23) Nitrobenzene-d5	7.18	82	1624056	91.65	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	653160	117.68	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2628014	84.82	ng	-0.01
79) Terphenyl-d14	12.69	244	2540834	90.81	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	218719	14.738	ng	# 76
25) Isophorone	7.18	82	1612515	44.421	ng	# 63
50) Dimethylphthalate	9.36	163	489683	12.646	ng	# 98
57) 2,4-Dinitrotoluene	9.64	165	69420	6.014	ng	# 30
58) Fluorene	10.18	166	2980	Below Cal		# 81
65) 4,6-Dinitro-2-methylphenol	10.42	198	1502	5.214	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	41234	3.819	ng	# 1
89) Benzo(k)fluoranthene	14.71	252	79917	2.203	ng	# 95

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

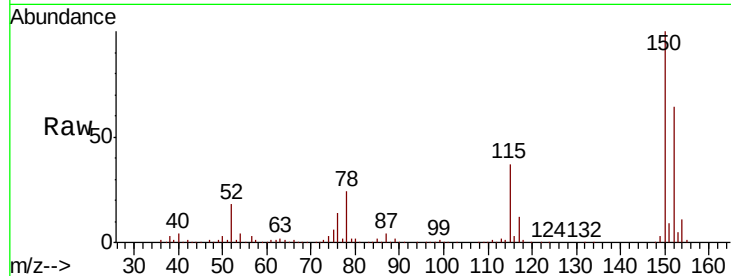


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115132.D
Acq: 22 Jun 2019 20:23

Instrument :
BNA_F
ClientSampleId :
M-3(0-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.2	186.2
115	57.2	46.1	69.1

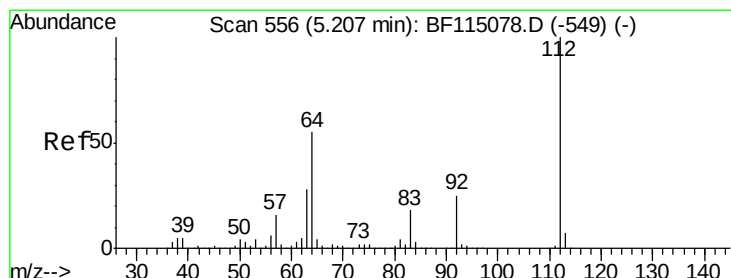
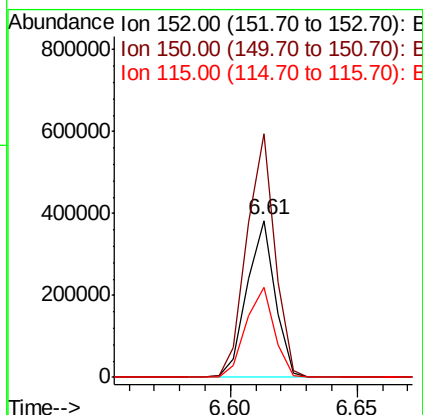
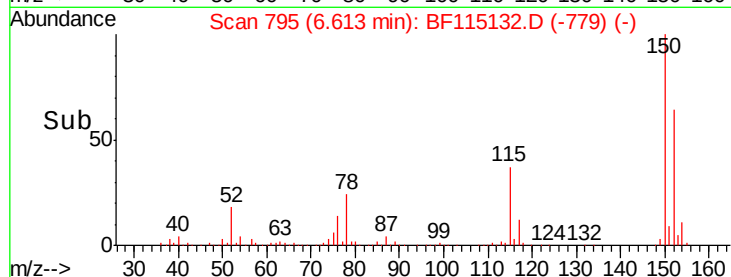


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

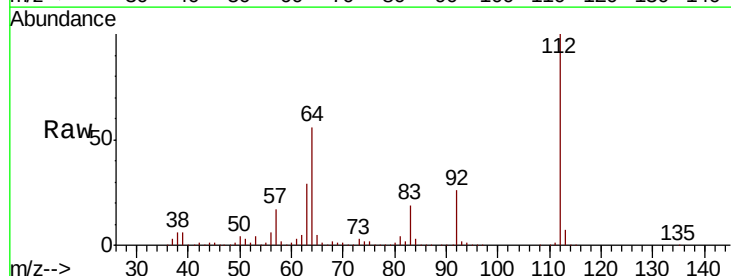
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.407 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115132.D
Acq: 22 Jun 2019 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.8	65.6
63	28.6	22.2	33.4

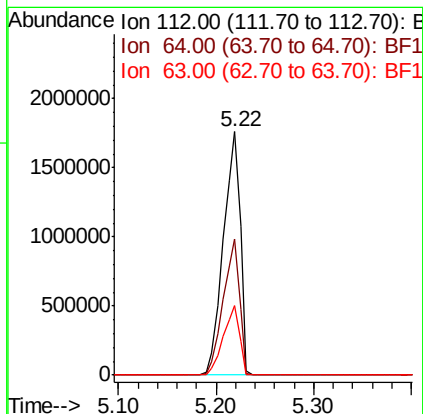
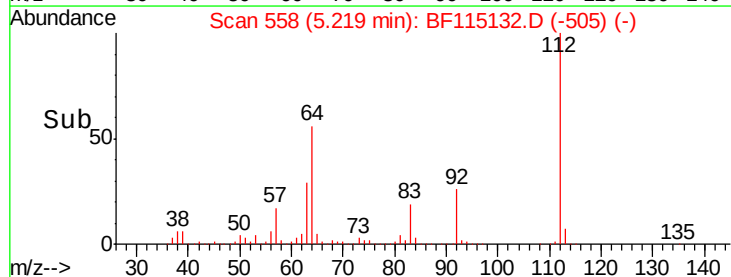


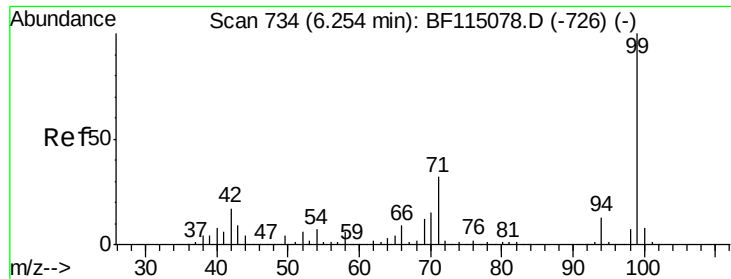
Abundance

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: 113.802 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampled :

M-3(0-10)

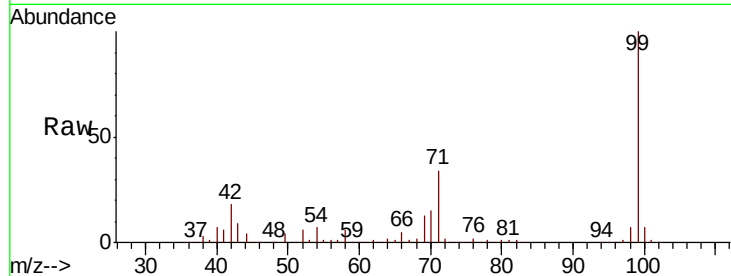
Tot Ion: 99 Resp: 2637953

Ion Ratio Lower Upper

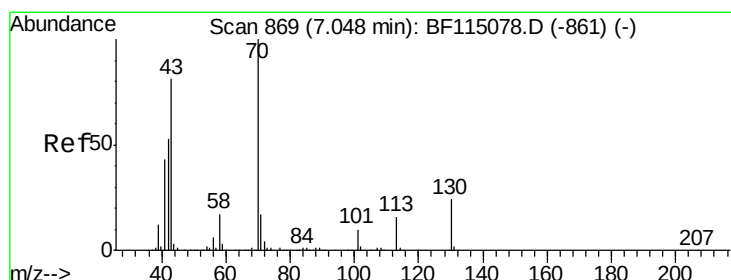
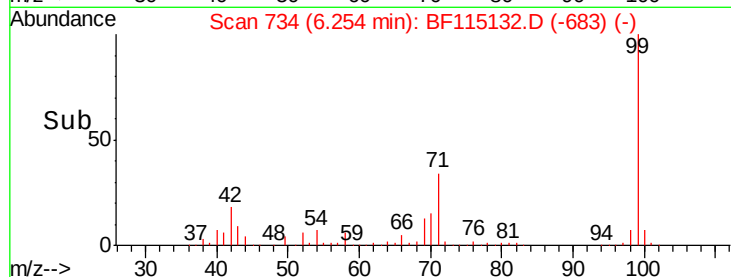
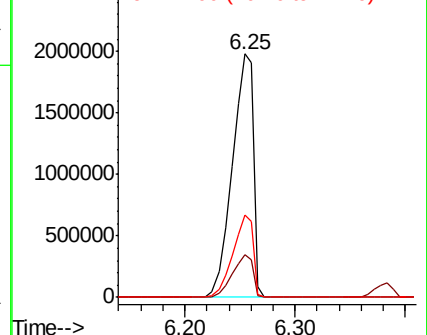
99 100

42 17.6 13.6 20.4

71 34.0 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: 14.738 ng

RT: 7.18 min Scan# 891

Delta R.T. 0.13 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Tgt Ion: 70 Resp: 218719

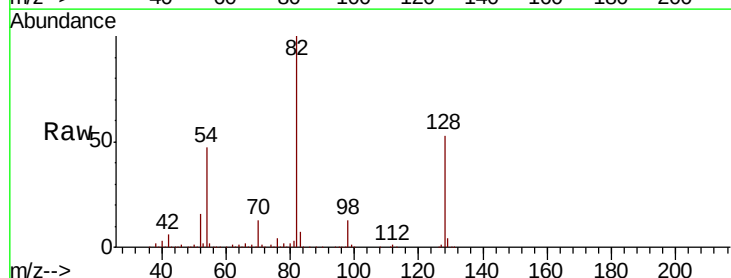
Ion Ratio Lower Upper

70 100

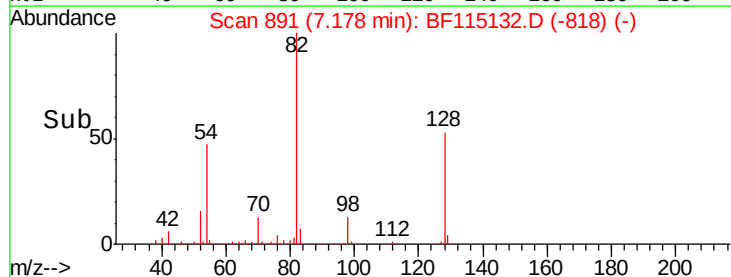
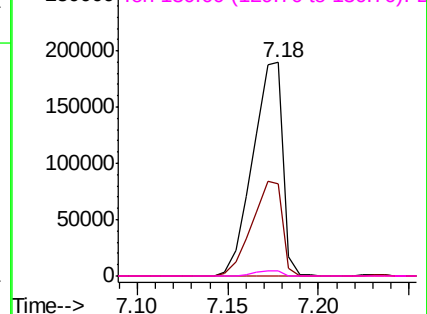
42 42.9 42.6 63.8

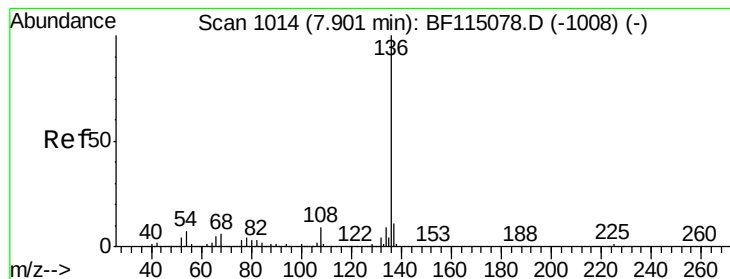
101 0.0 8.0 12.0#

130 2.6 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

Tot Ion:136 Resp: 1090059

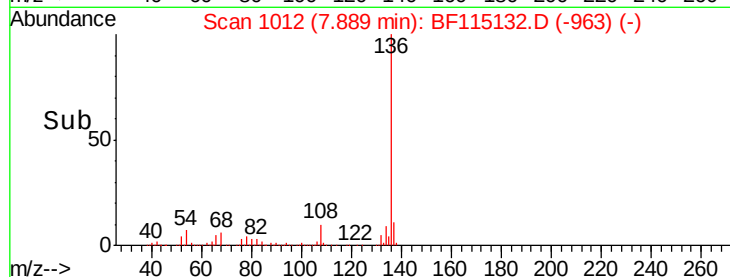
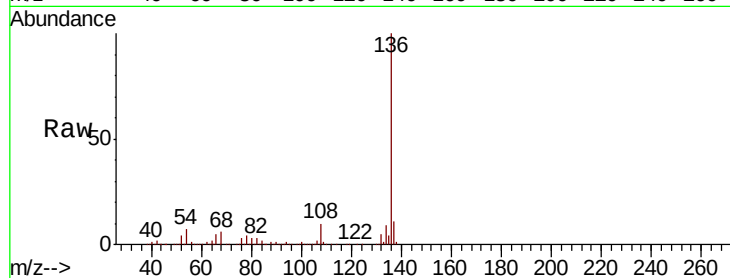
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.3 5.6 8.4

68 6.4 4.8 7.2

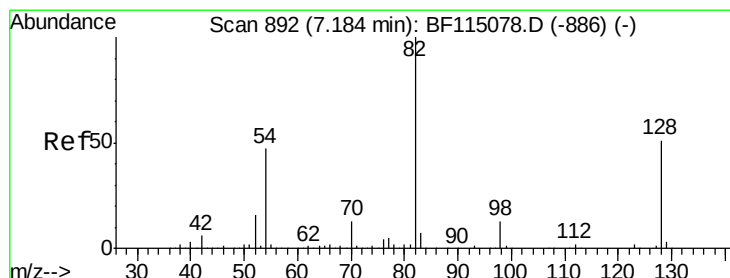
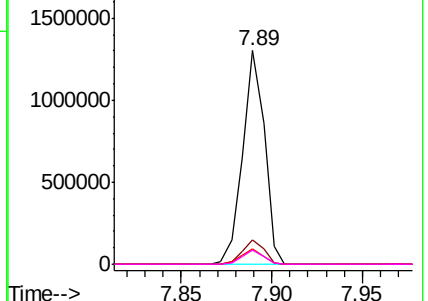


Abundance Ion 136.00 (135.70 to 136.70): E

2000000 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: 91.650 ng

RT: 7.18 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

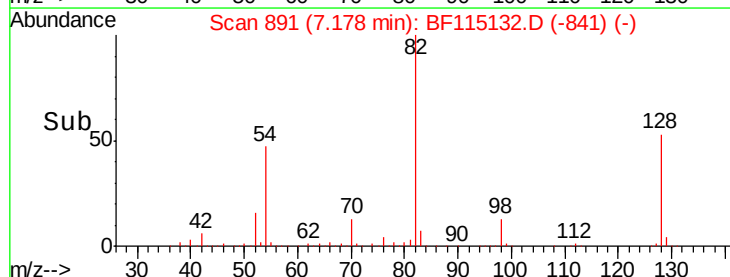
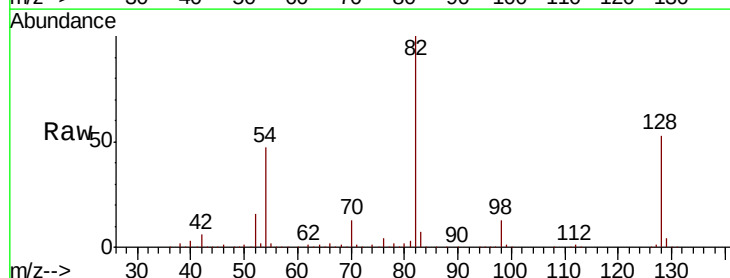
Tgt Ion: 82 Resp: 1624056

Ion Ratio Lower Upper

82 100

128 52.9 40.4 60.6

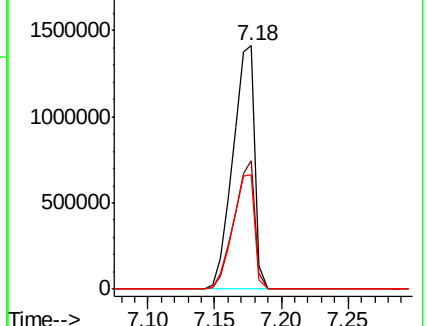
54 46.7 37.5 56.3

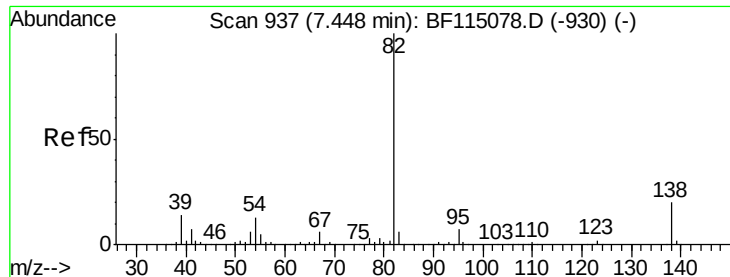


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.421 ng

RT: 7.18 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

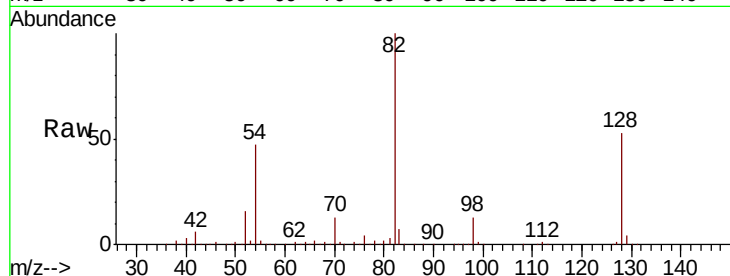
Tot Ion: 82 Resp: 1612515

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

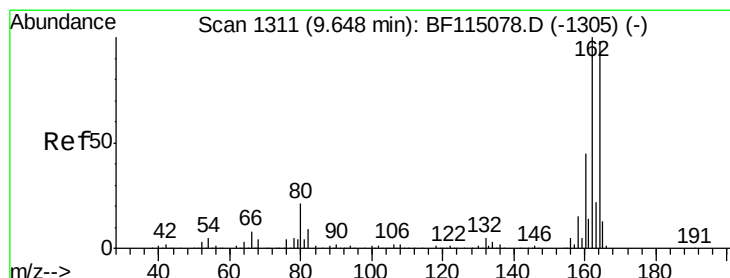
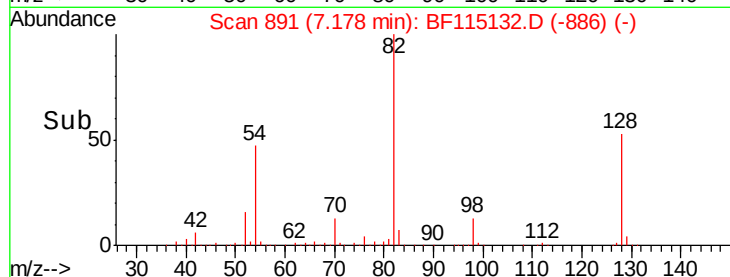
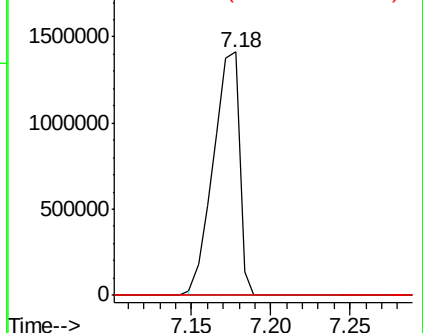
138 0.0 15.9 23.9#



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: BF115132.D

Acq: 22 Jun 2019 20:23

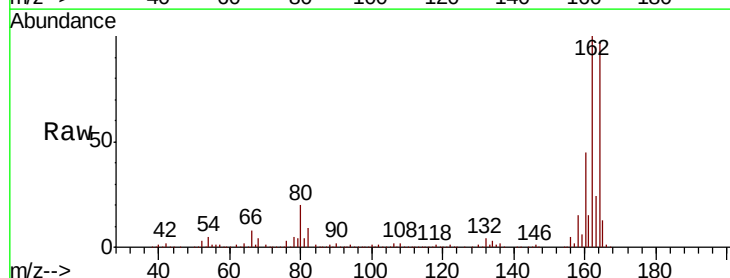
Tgt Ion:164 Resp: 526314

Ion Ratio Lower Upper

164 100

162 103.0 81.7 122.5

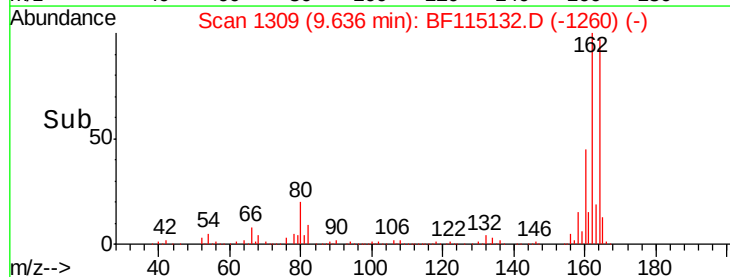
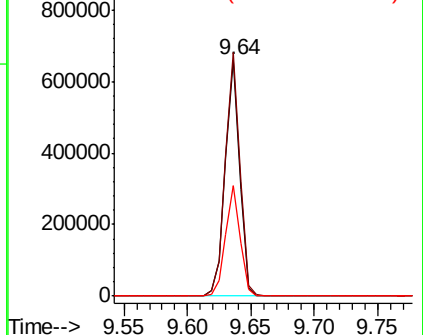
160 46.6 37.0 55.4

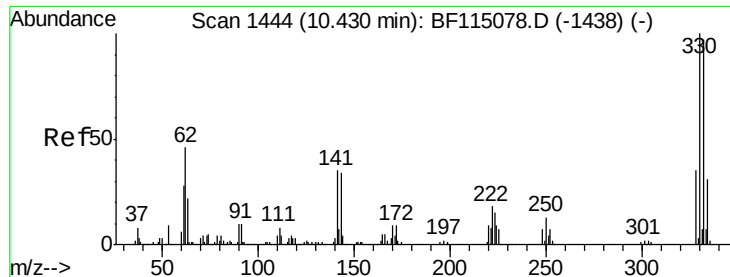


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 117.683 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

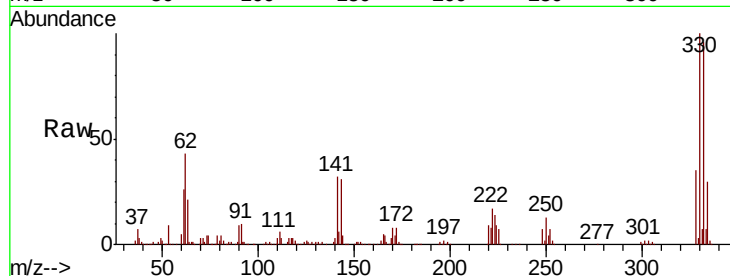
Tot Ion:330 Resp: 653160

Ion Ratio Lower Upper

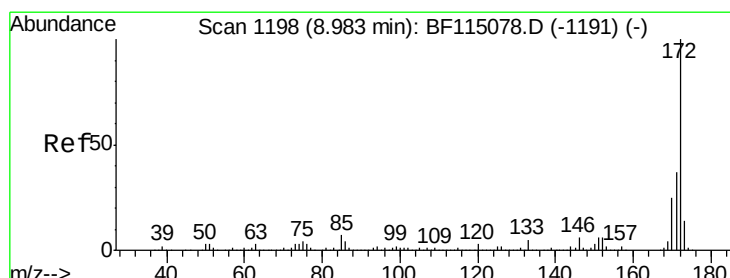
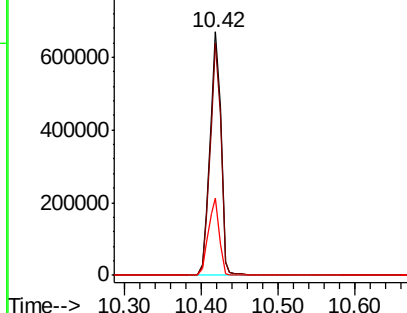
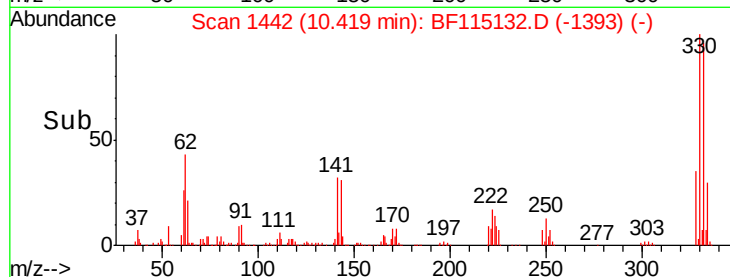
330 100

332 95.1 77.3 115.9

141 32.3 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: 84.816 ng

RT: 8.97 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

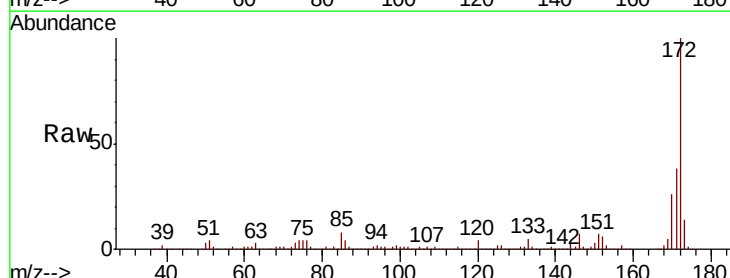
Tgt Ion:172 Resp: 2628014

Ion Ratio Lower Upper

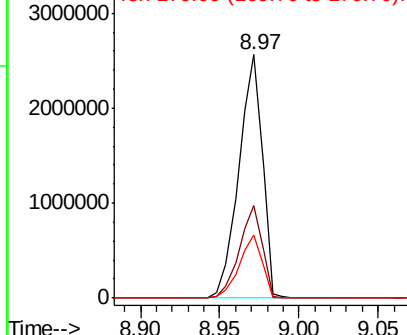
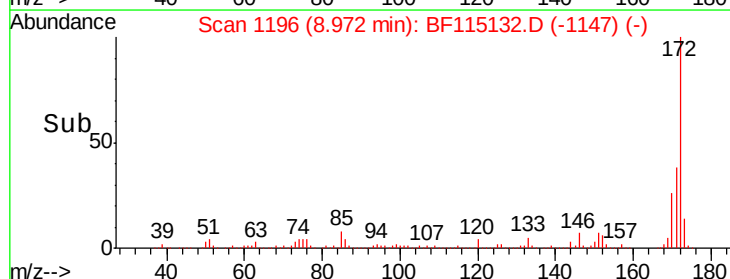
172 100

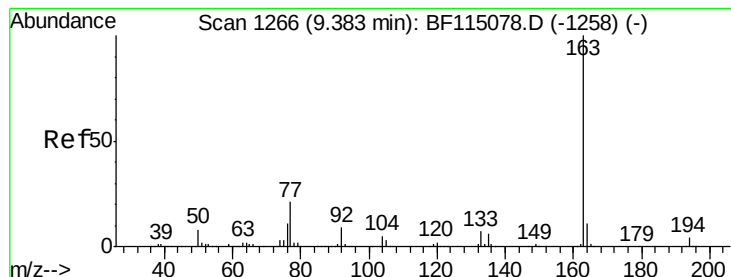
171 38.2 29.8 44.6

170 26.0 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: 12.646 ng

RT: 9.36 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

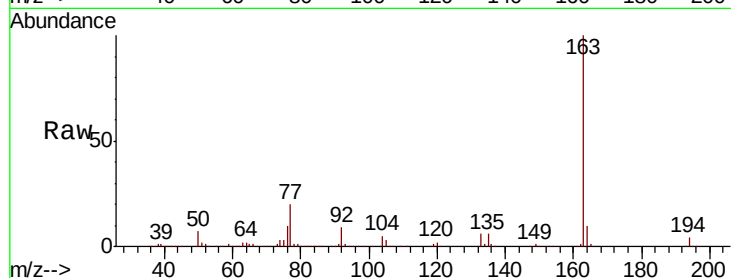
Tot Ion:163 Resp: 489683

Ion Ratio Lower Upper

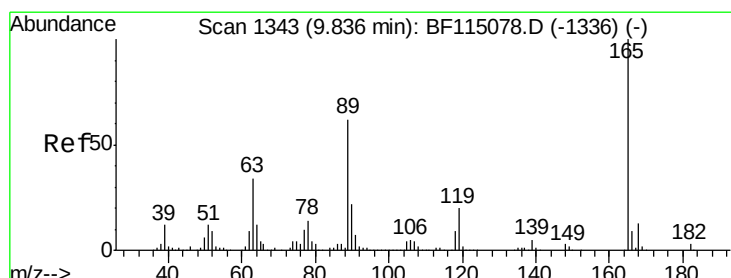
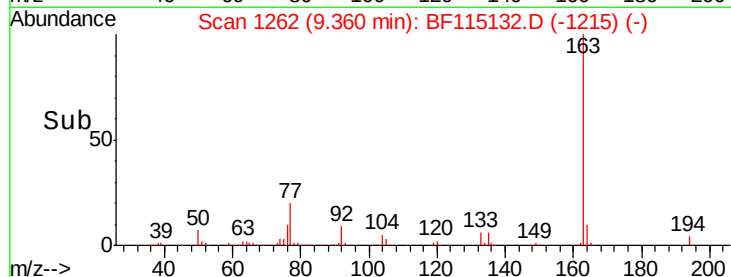
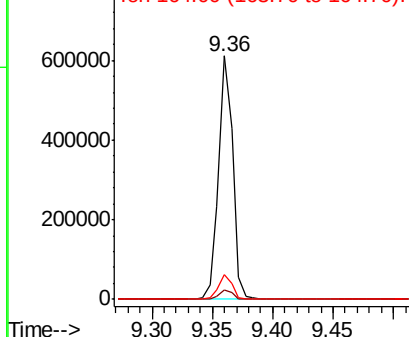
163 100

194 3.7 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: 6.014 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Tgt Ion:165 Resp: 69420

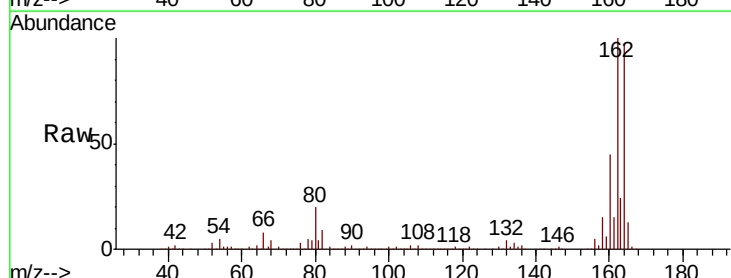
Ion Ratio Lower Upper

165 100

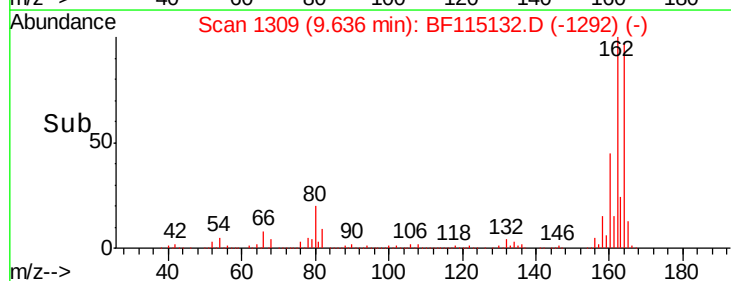
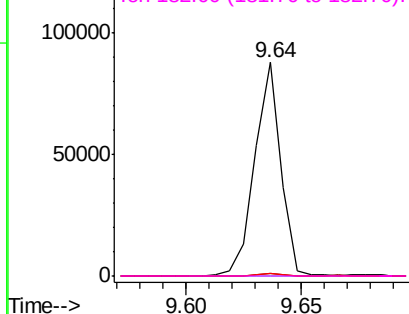
63 1.1 27.5 41.3#

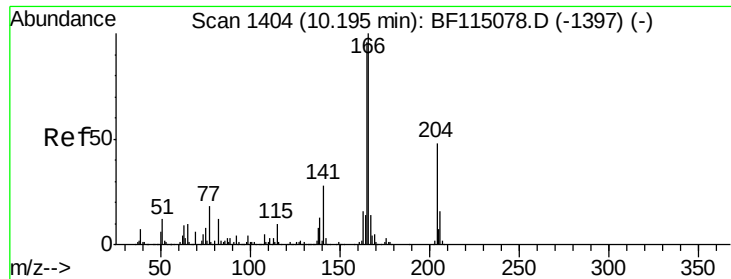
89 1.4 49.9 74.9#

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

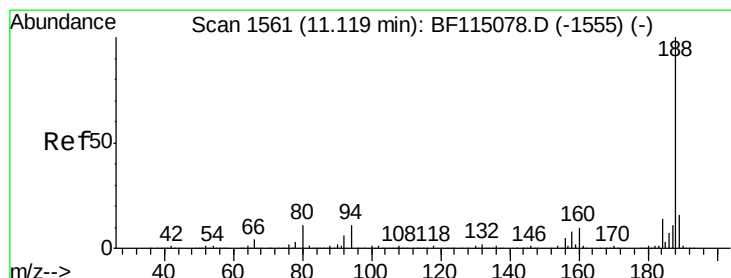
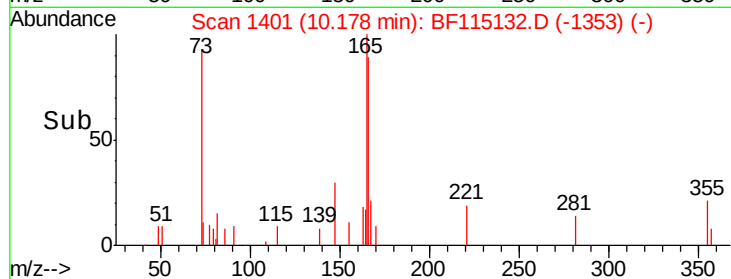
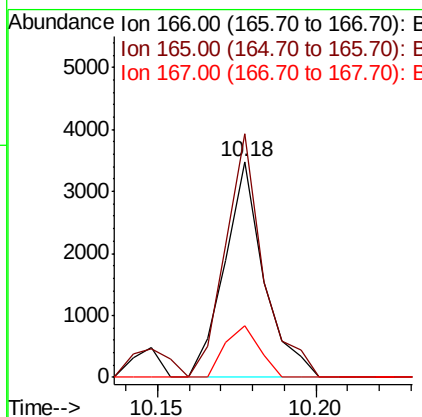
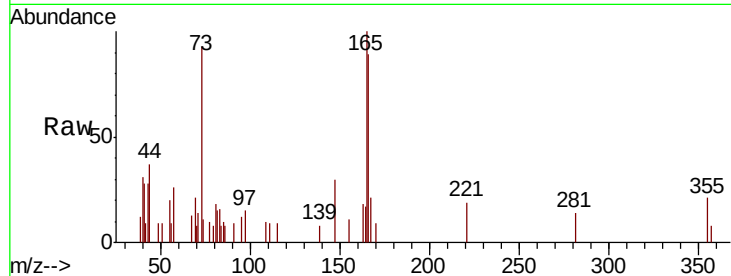




#58
Fluorene
Concen: Below Cal
RT: 10.18 min Scan# 1401
Delta R.T. -0.02 min
Lab File: BF115132.D
Acq: 22 Jun 2019 20:23

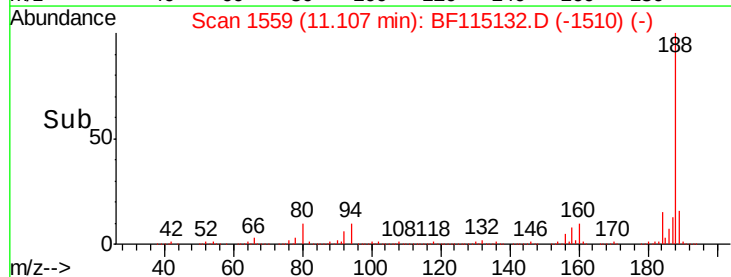
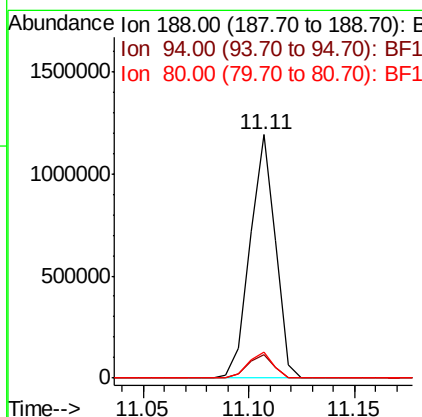
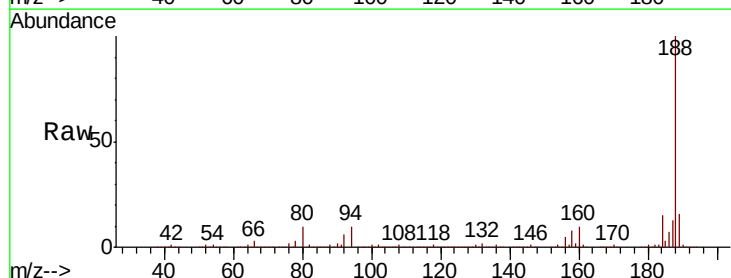
Instrument :
BNA_F
ClientSampleId :
M-3(0-10)

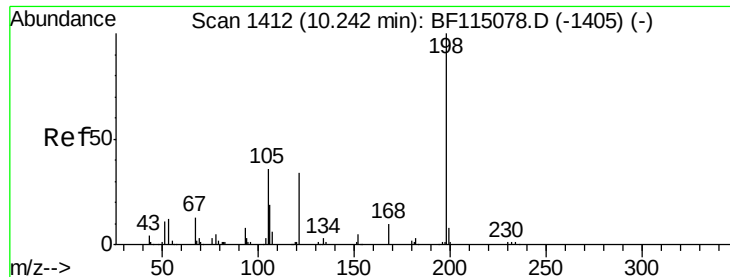
Tot Ion:166 Resp: 2980
Ion Ratio Lower Upper
166 100
165 112.8 76.5 114.7
167 24.0 11.0 16.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115132.D
Acq: 22 Jun 2019 20:23

Tgt Ion:188 Resp: 995829
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 10.4 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.214 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

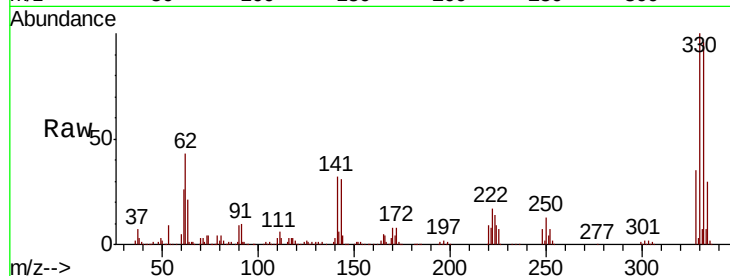
Tot Ion:198 Resp: 1502

Ion Ratio Lower Upper

198 100

51 151.8 11.0 51.0#

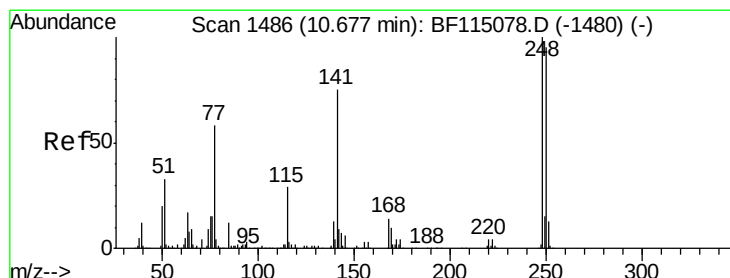
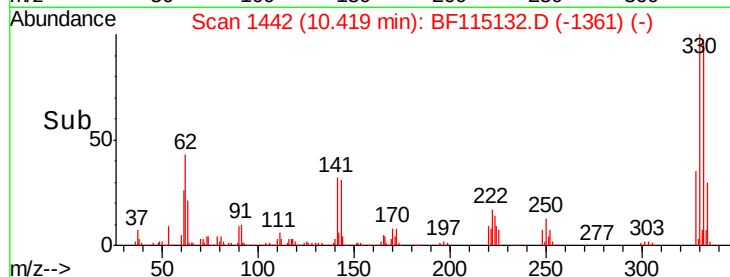
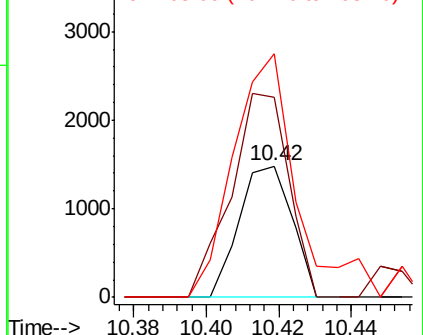
105 185.2 17.3 57.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.819 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.26 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

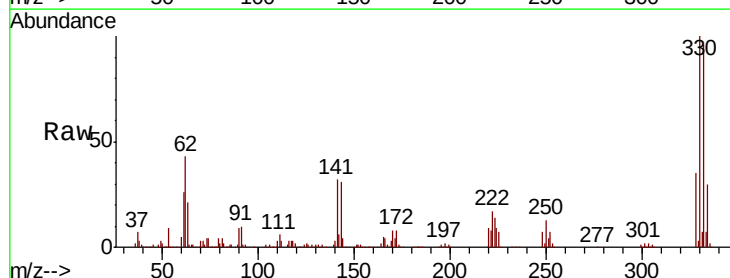
Tgt Ion:248 Resp: 41234

Ion Ratio Lower Upper

248 100

250 189.6 76.2 114.2#

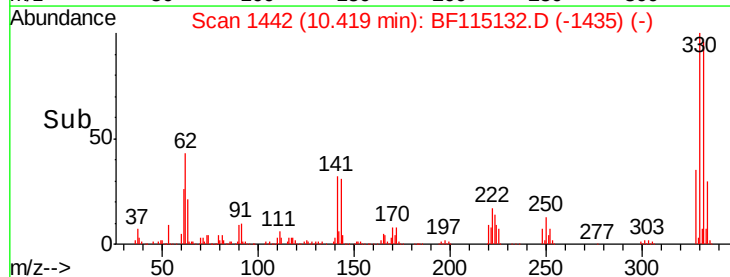
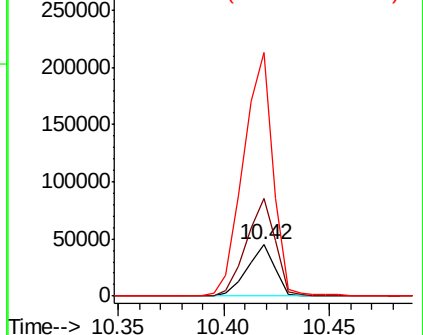
141 472.0 59.6 89.4#

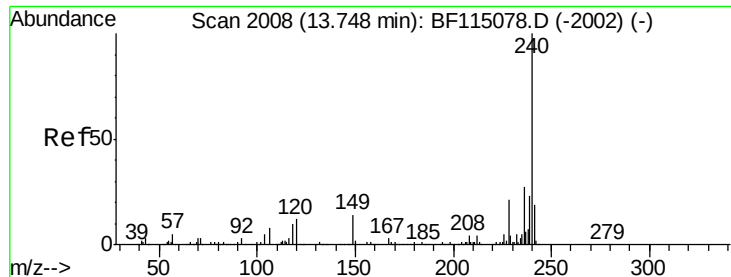


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

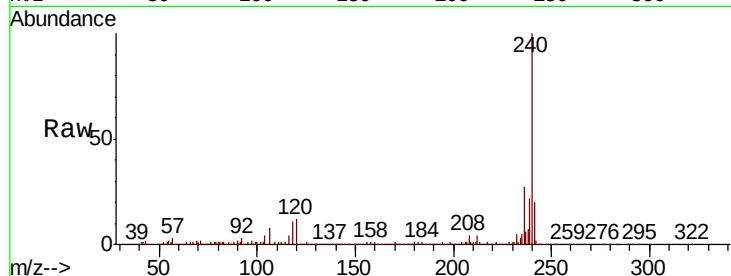
Tot Ion:240 Resp: 594894

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

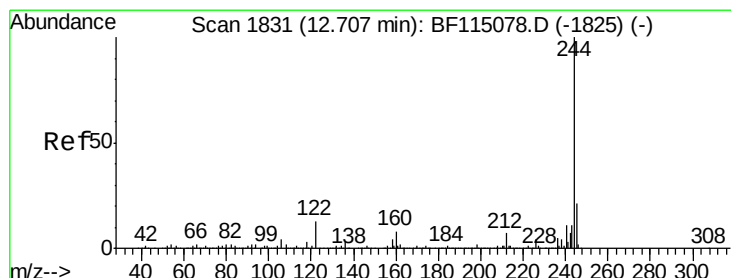
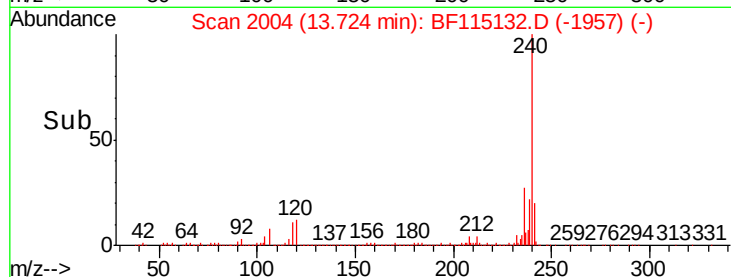
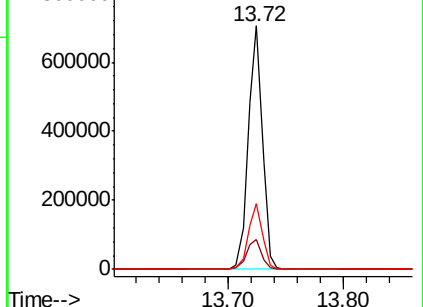
236 26.8 21.7 32.5



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: 90.810 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

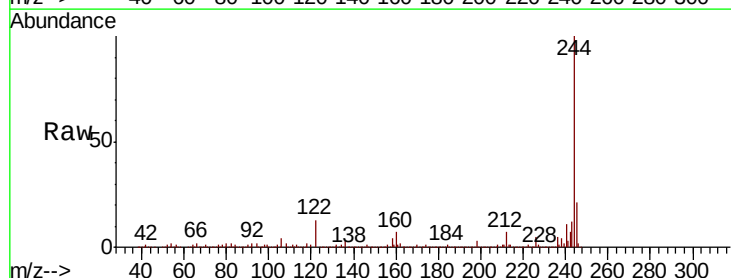
Tgt Ion:244 Resp: 2540834

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

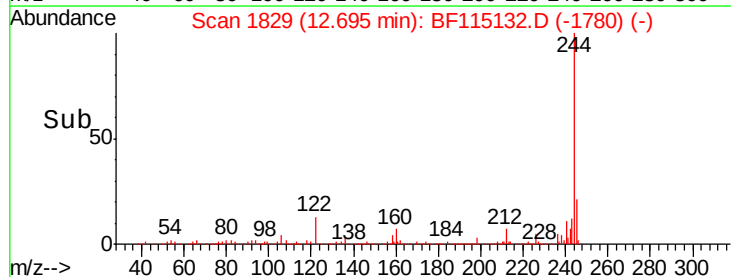
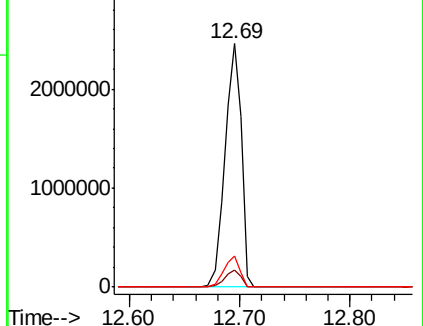
122 12.6 10.4 15.6

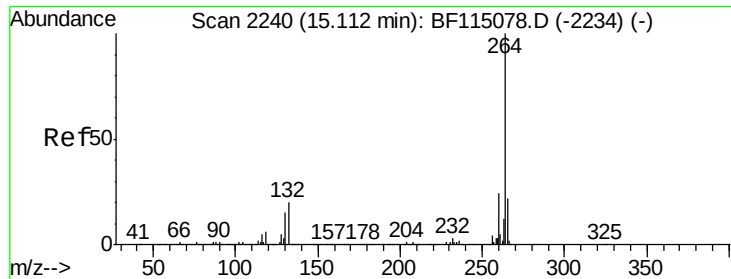


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.09 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

Instrument :

BNA_F

ClientSampleId :

M-3(0-10)

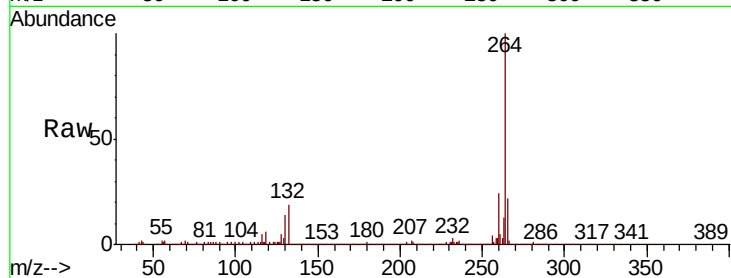
Tot Ion:264 Resp: 648315

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

265 21.8 17.3 25.9

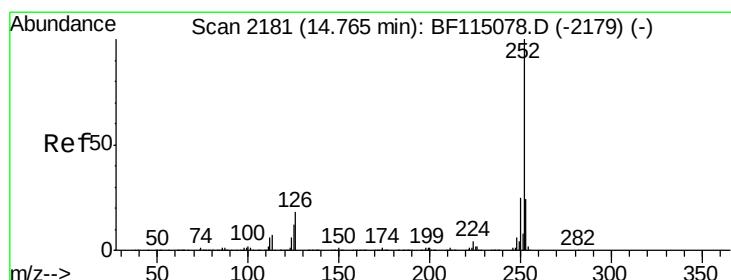
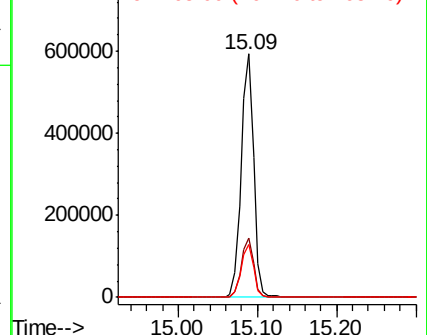
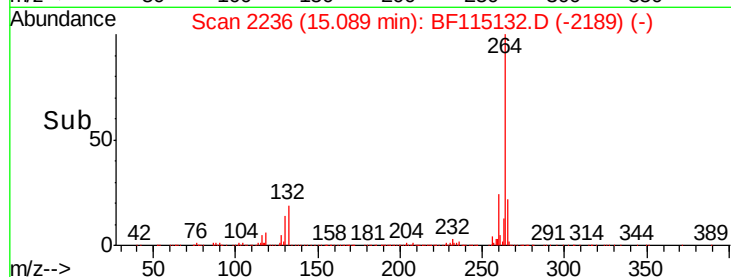


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 2.203 ng

RT: 14.71 min Scan# 2172

Delta R.T. -0.05 min

Lab File: BF115132.D

Acq: 22 Jun 2019 20:23

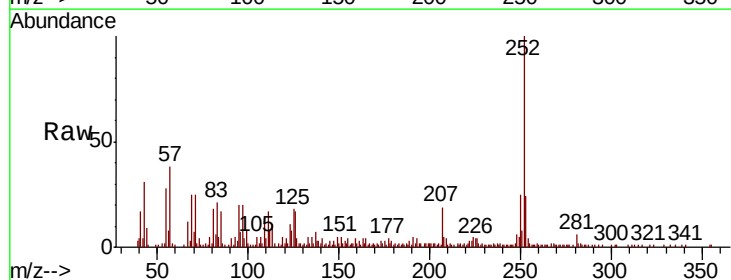
Tgt Ion:252 Resp: 79917

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

125 18.0 10.2 15.2#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

