

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115100.D
 Acq On : 22 Jun 2019 1:24
 Operator : HP/JU
 Sample : PB120777BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 04:58:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 21 17:55:32 2019
 Response via : Initial Calibration

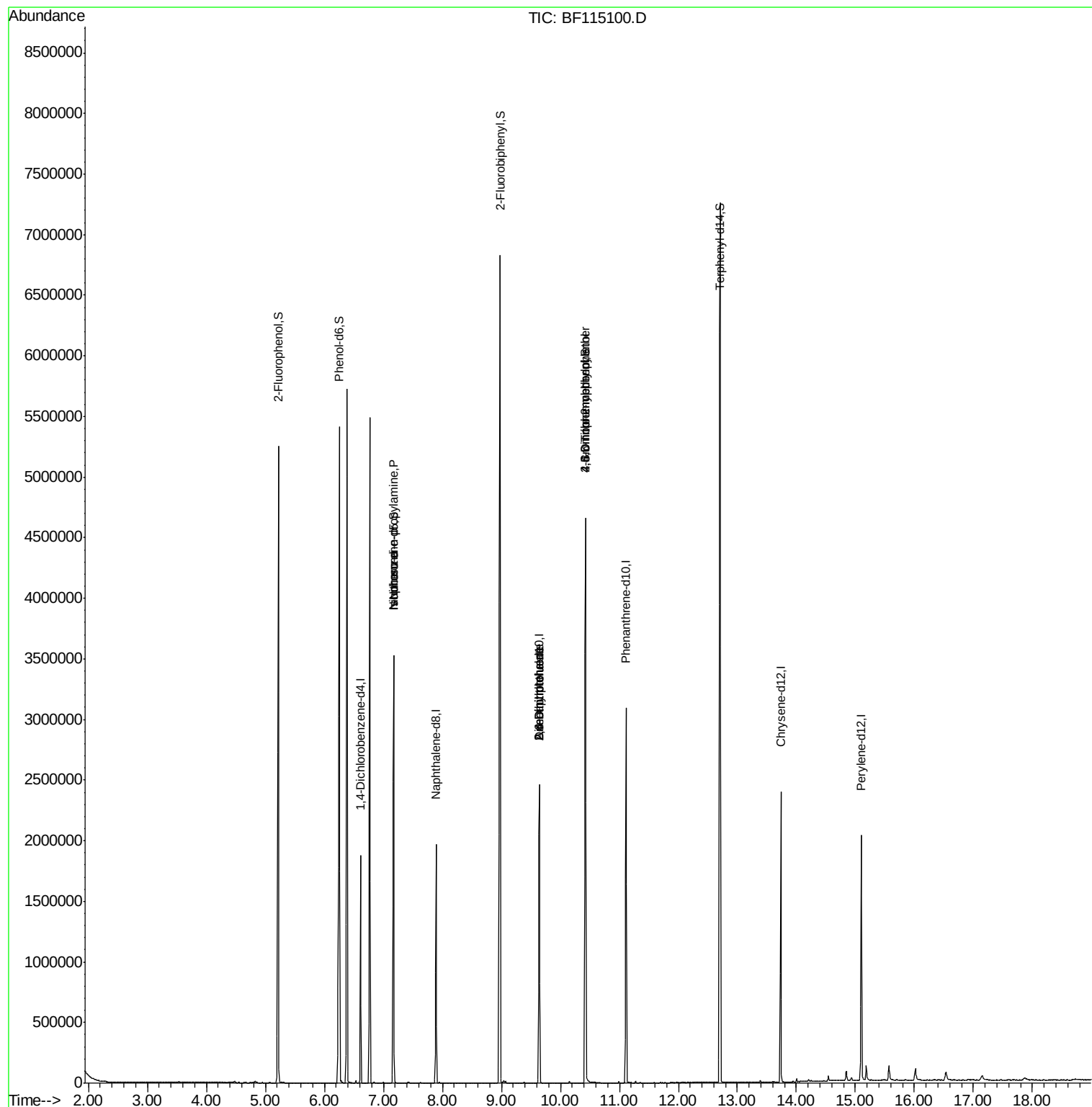
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	262718	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1014257	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	496153	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	999964	20.00	ng	0.00
76) Chrysene-d12	13.74	240	790999	20.00	ng	-0.01
87) Perylene-d12	15.10	264	823276	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1872478	109.99	ng	0.01
7) Phenol-d6	6.25	99	2281464	110.41	ng	0.00
23) Nitrobenzene-d5	7.17	82	1407816	85.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	633772	121.13	ng	0.00
45) 2-Fluorobiphenyl	8.98	172	2581484	88.38	ng	0.00
79) Terphenyl-d14	12.71	244	2906699	78.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	187673	14.186	ng	# 78
25) Isophorone	7.17	82	1338255	39.621	ng	# 63
50) Dimethylphthalate	9.64	163	142336	3.899	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	63990	7.593	ng	# 28
57) 2,4-Dinitrotoluene	9.64	165	63990	5.881	ng	# 30
58) Fluorene	10.42	166	28321	Below Cal		# 86
65) 4,6-Dinitro-2-methylphenol	10.42	198	1467	5.207	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	40034	3.693	ng	# 1

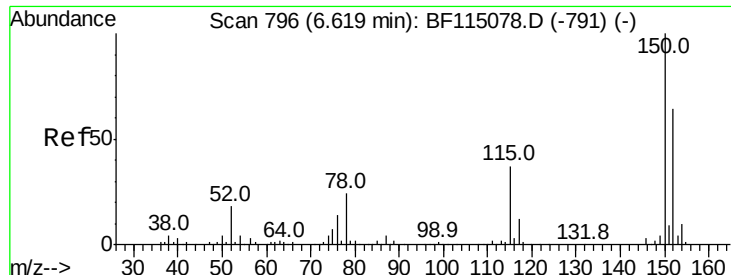
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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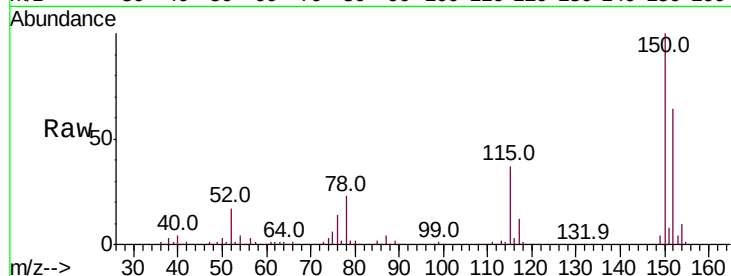


#1

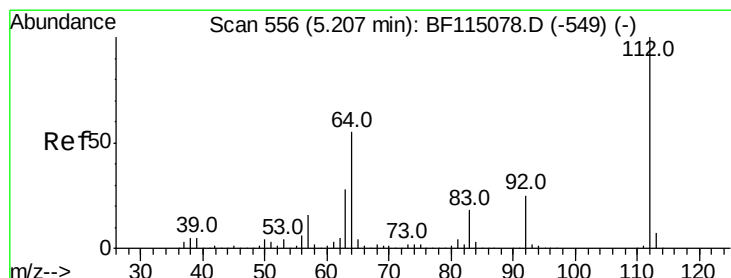
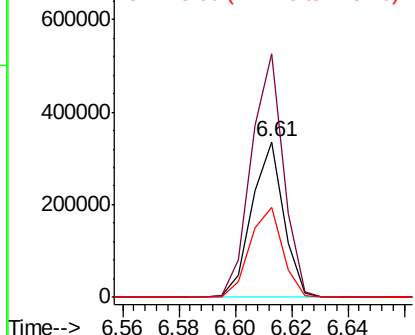
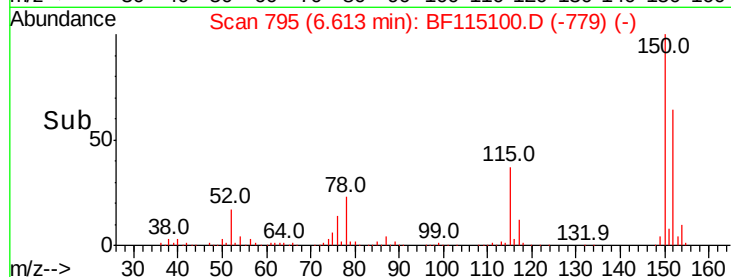
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 262718
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.2
115 58.0 46.1 69.1



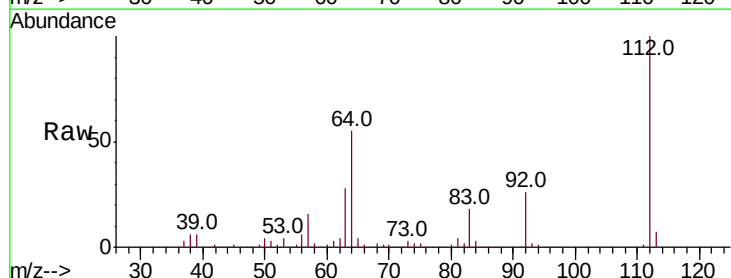
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



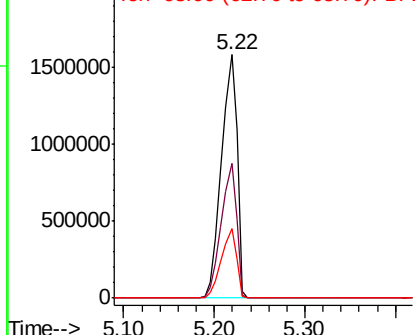
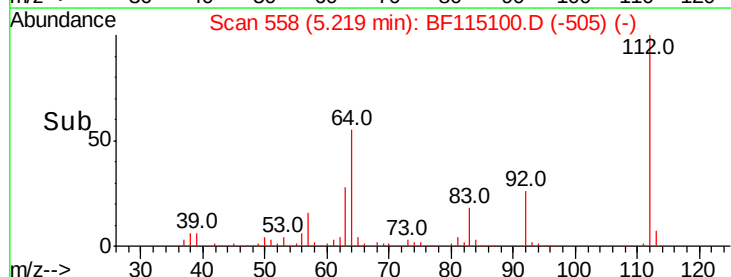
#5

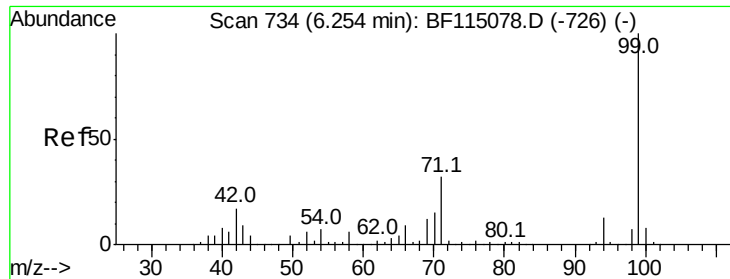
2-Fluorophenol
Concen: 109.987 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion:112 Resp: 1872478
Ion Ratio Lower Upper
112 100
64 55.2 43.8 65.6
63 28.4 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: 110.409 ng

RT: 6.25 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

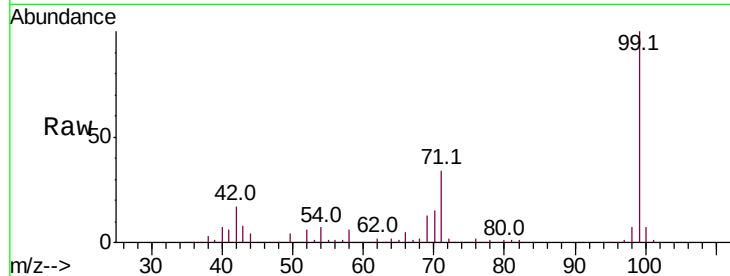
Tot Ion: 99 Resp: 2281464

Ion Ratio Lower Upper

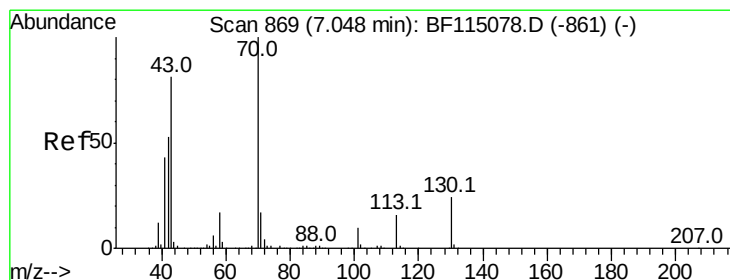
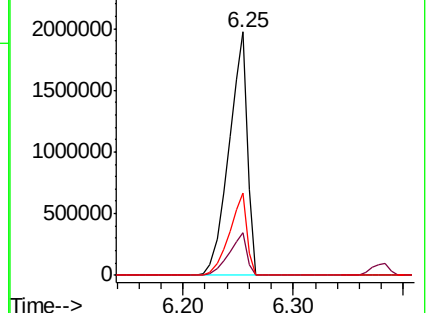
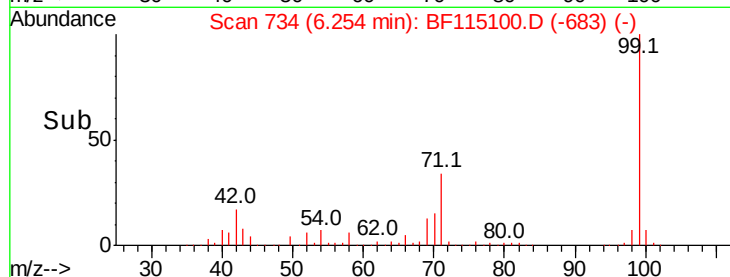
99 100

42 17.3 13.6 20.4

71 33.6 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: 14.186 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Tgt Ion: 70 Resp: 187673

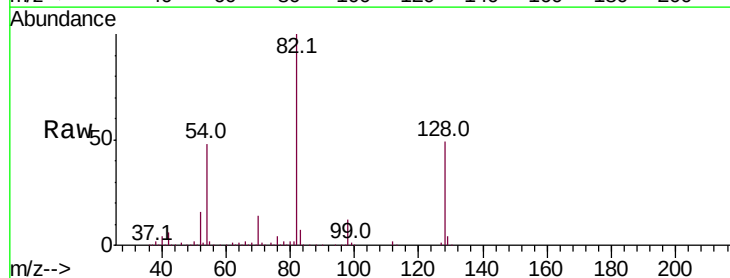
Ion Ratio Lower Upper

70 100

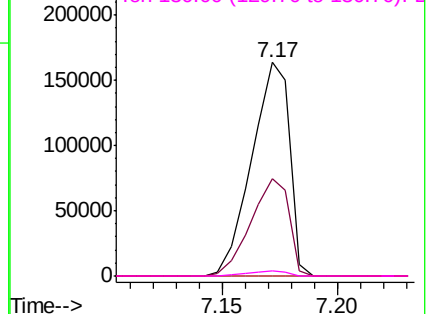
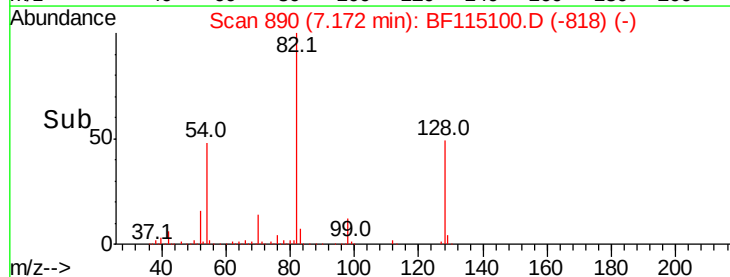
42 45.3 42.6 63.8

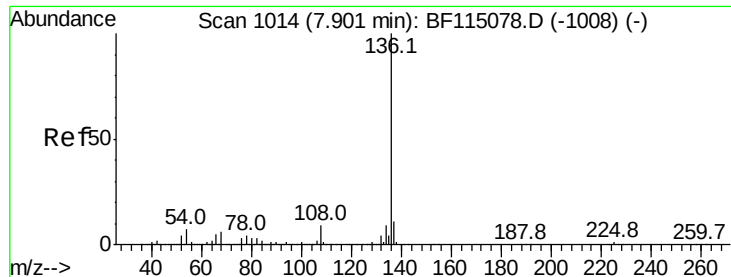
101 0.0 8.0 12.0#

130 2.3 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): B
Ion 130.00 (129.70 to 130.70): B



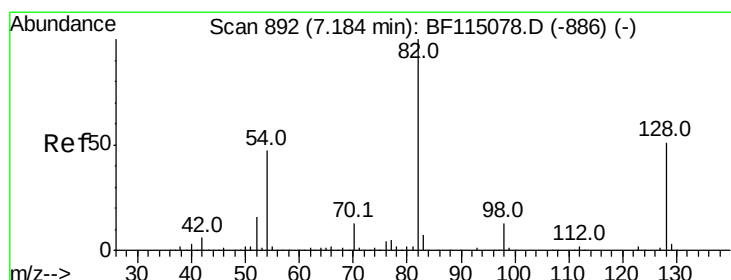
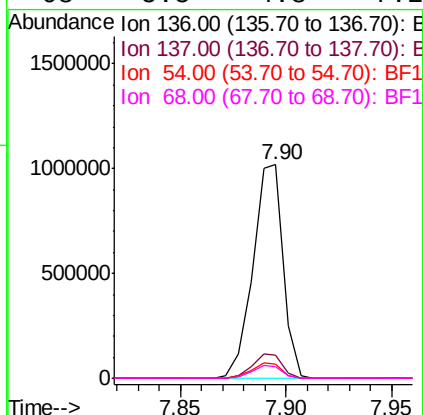
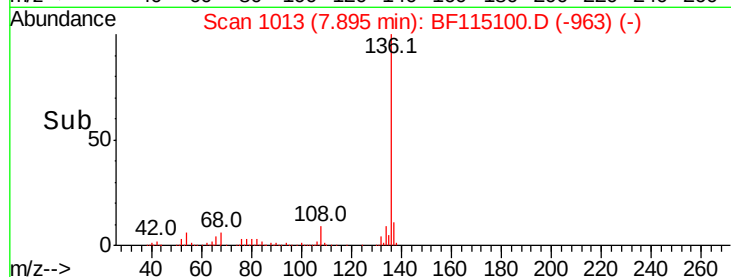
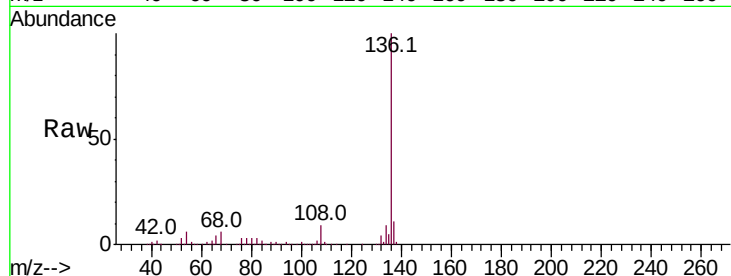


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1014257

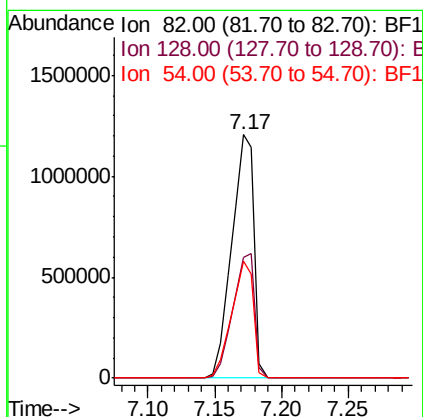
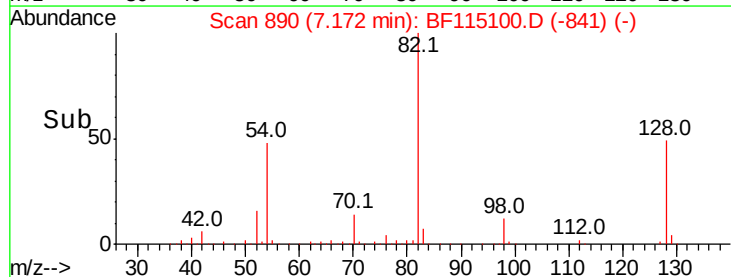
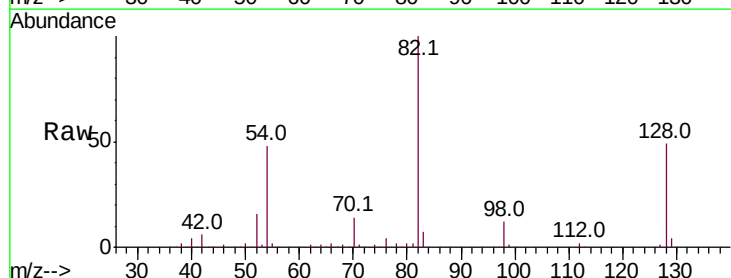
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	5.6	8.4
68	5.5	4.8	7.2

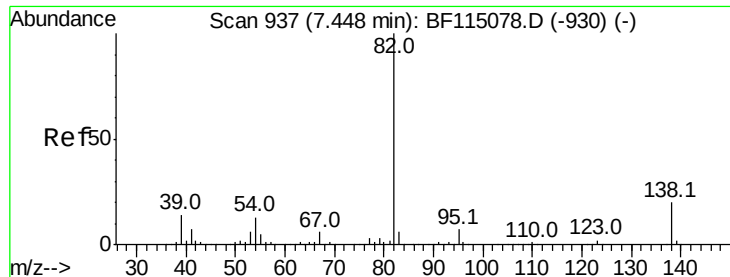


#23
Nitrobenzene-d5
Concen: 85.385 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion: 82 Resp: 1407816

Ion	Ratio	Lower	Upper
82	100		
128	49.4	40.4	60.6
54	48.0	37.5	56.3





#25

Isophorone

Concen: 39.621 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

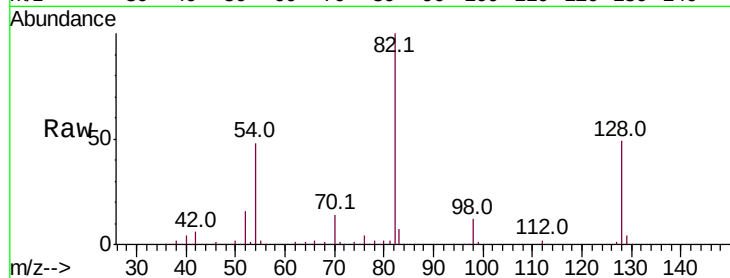
Tot Ion: 82 Resp: 1338255

Ion Ratio Lower Upper

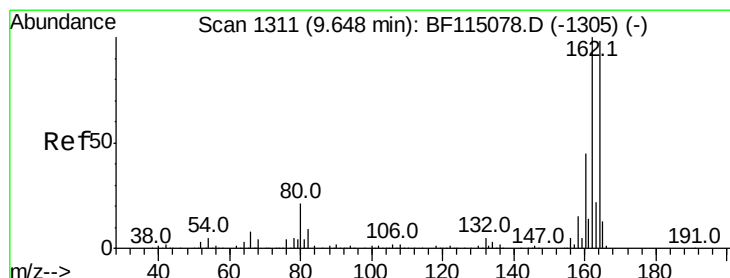
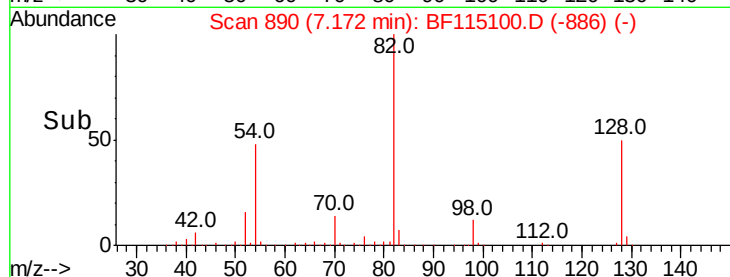
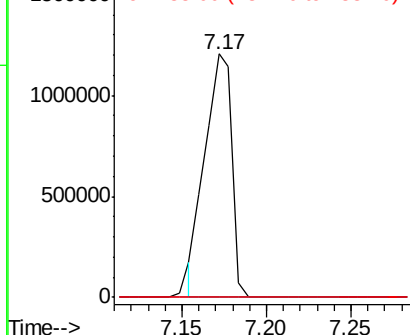
82 100

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# 1310

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

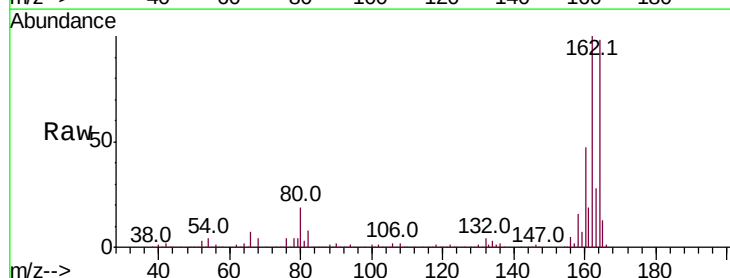
Tgt Ion:164 Resp: 496153

Ion Ratio Lower Upper

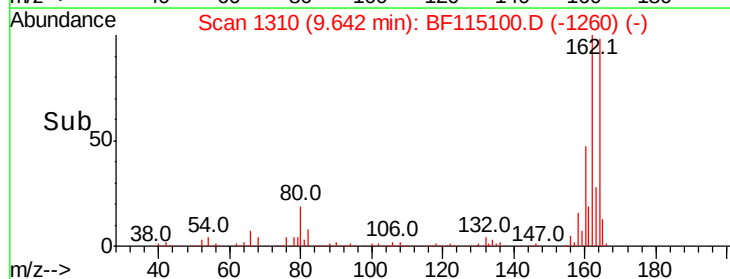
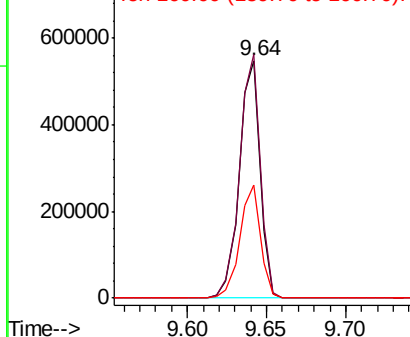
164 100

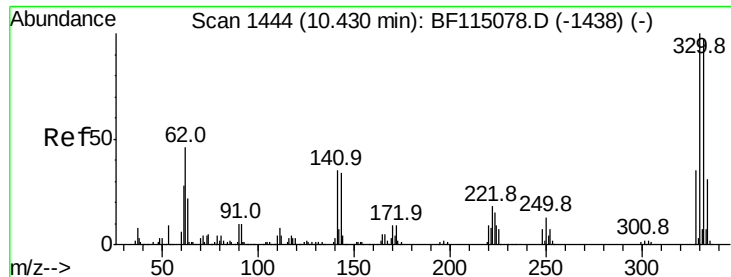
162 102.4 81.7 122.5

160 47.6 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: 121.131 ng

RT: 10.42 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampled :

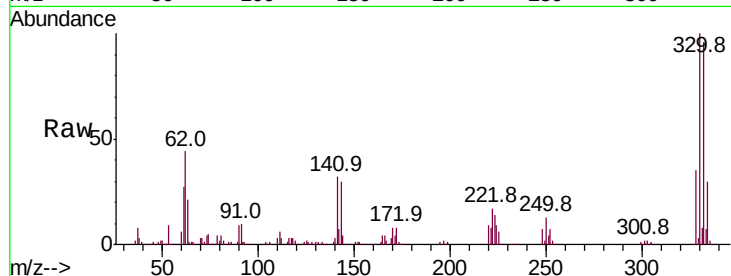
Tot Ion:330 Resp: 633772

Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

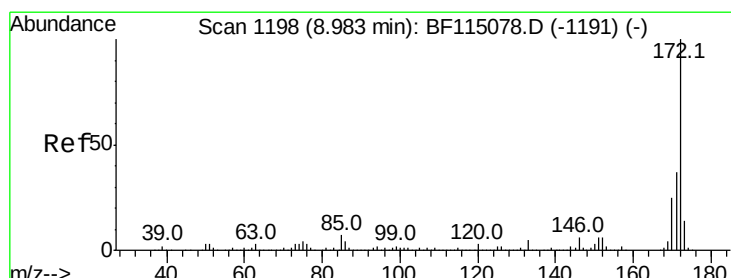
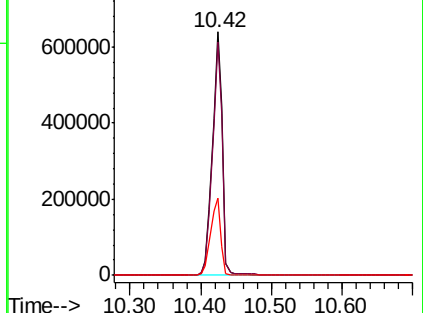
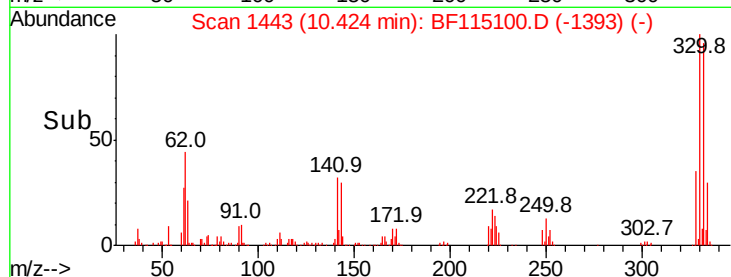
141 32.4 28.2 42.2



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: 88.379 ng

RT: 8.98 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

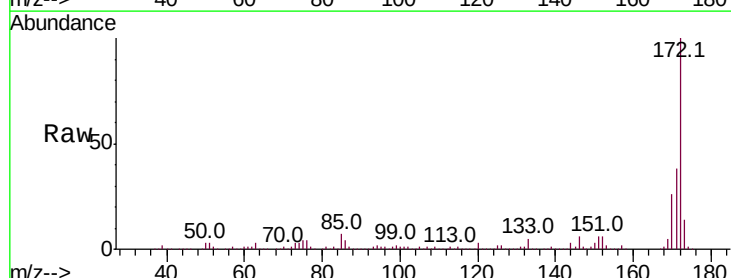
Tgt Ion:172 Resp: 2581484

Ion Ratio Lower Upper

172 100

171 38.0 29.8 44.6

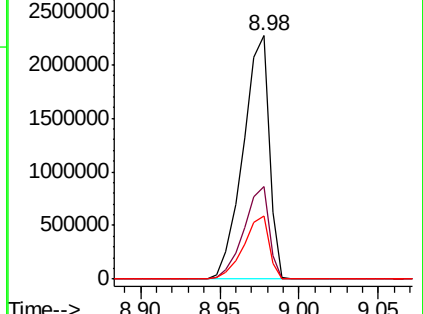
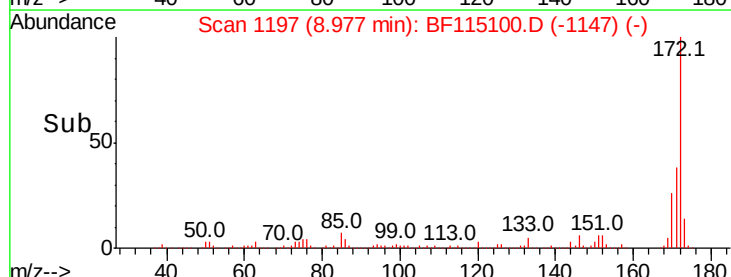
170 25.7 20.3 30.5

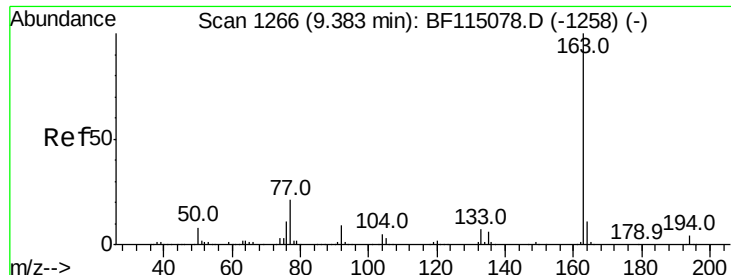


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

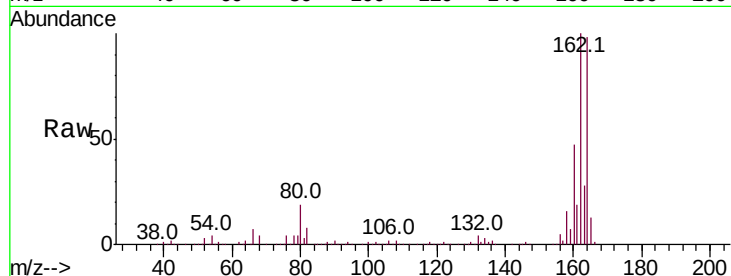




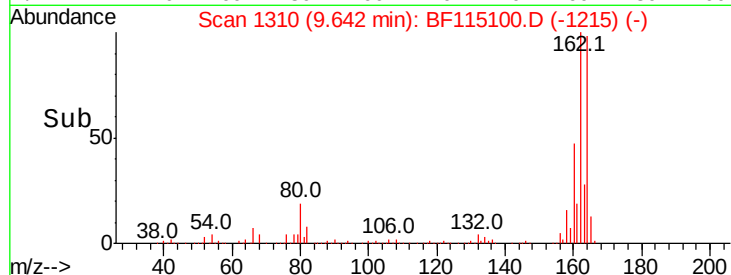
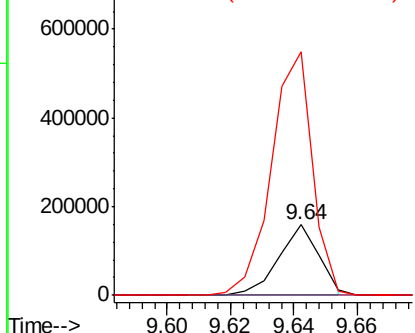
#50
Dimethylphthalate
Concen: 3.899 ng
RT: 9.64 min Scan# 1310
Delta R.T. 0.26 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 142336
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 345.3 8.6 13.0#

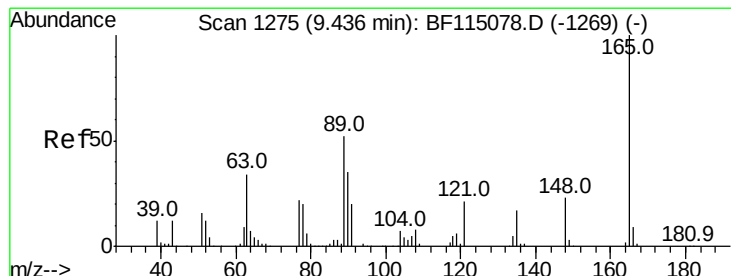


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

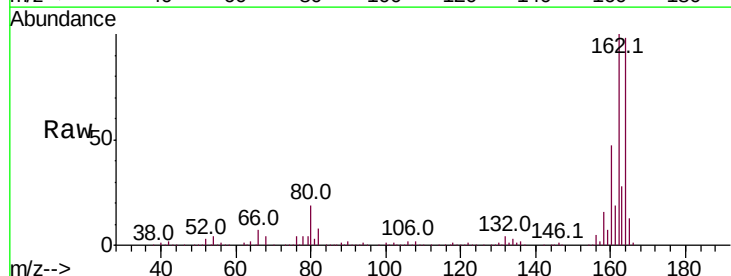
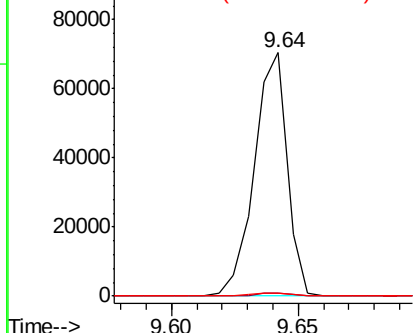


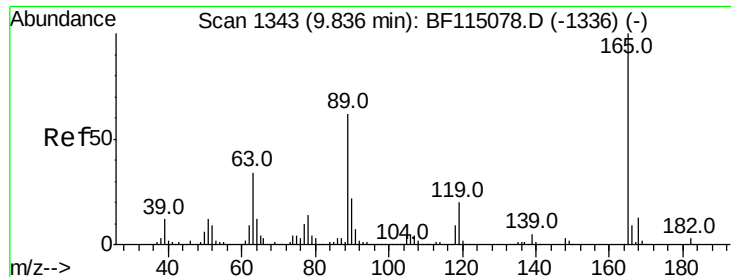
#51
2,6-Dinitrotoluene
Concen: 7.593 ng
RT: 9.64 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion:165 Resp: 63990
Ion Ratio Lower Upper
165 100
63 1.0 39.4 59.2#
89 1.3 42.0 63.0#



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

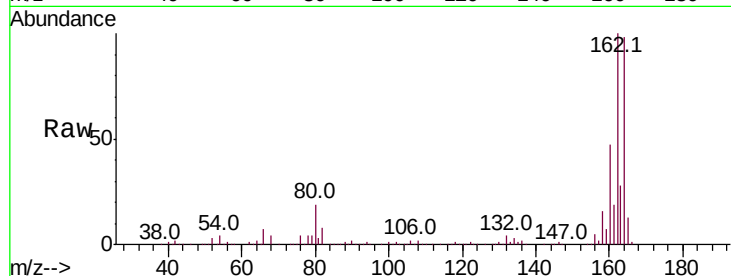




#57
2,4-Dinitrotoluene
Concen: 5.881 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	27.5	41.3#
89	1.3	49.9	74.9#
182	0.0	2.1	3.1#



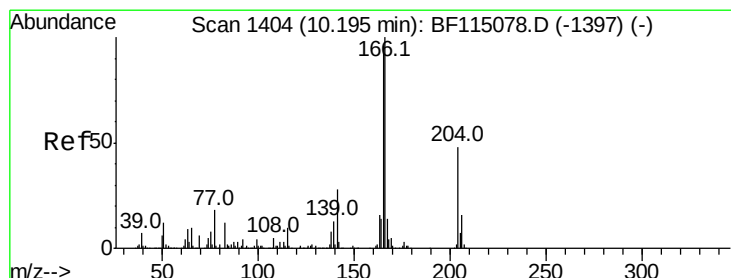
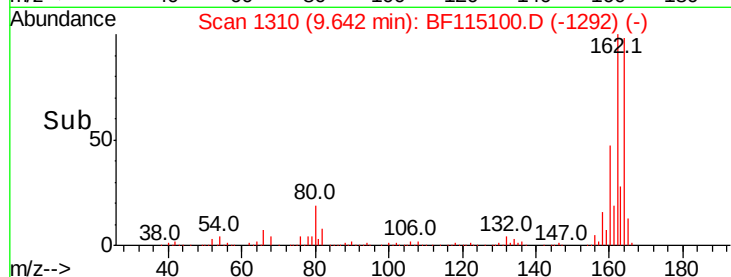
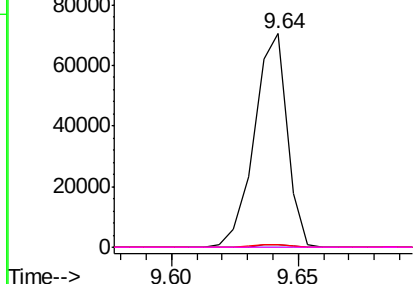
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

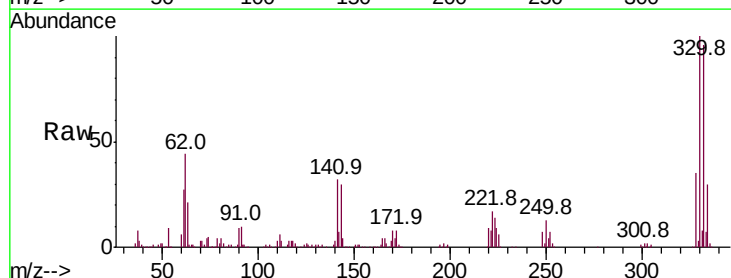
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 1443
Delta R.T. 0.23 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	76.5	114.7
167	38.6	11.0	16.4#

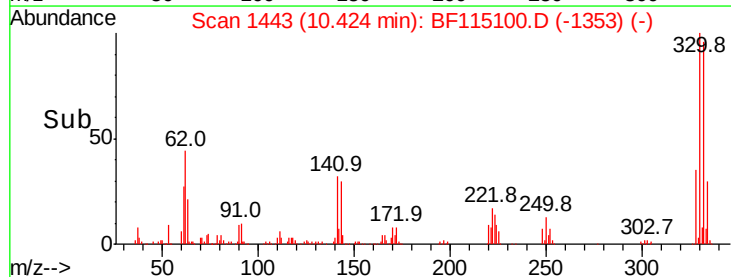
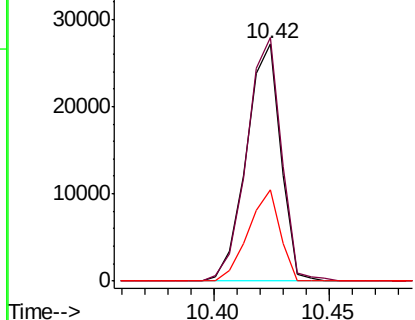


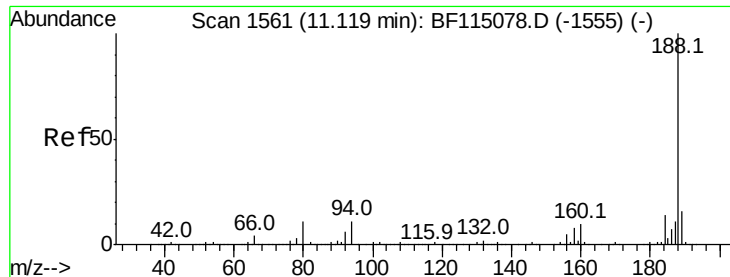
Abundance

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# 1560

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

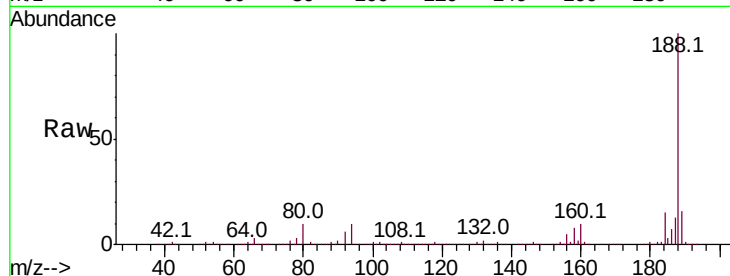
Tot Ion:188 Resp: 999964

Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

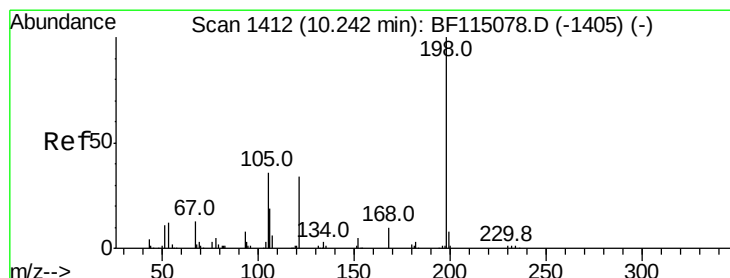
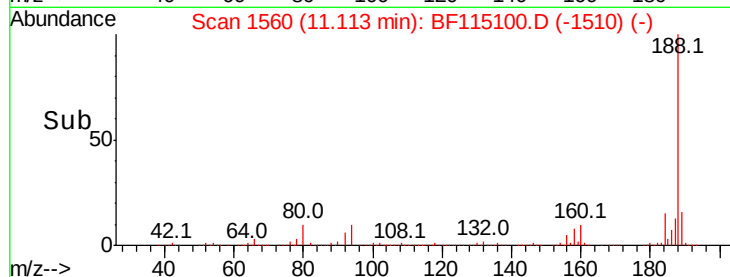
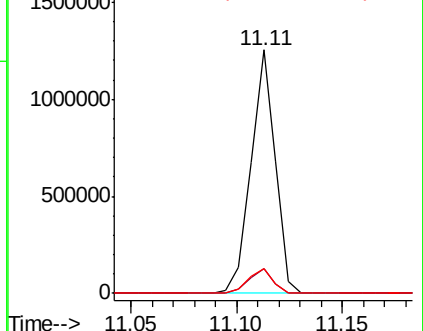
80 10.4 8.8 13.2



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: 5.207 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

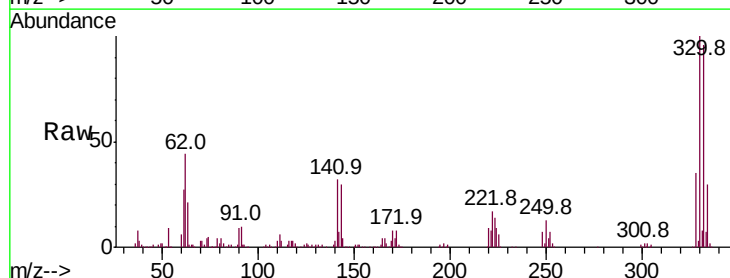
Tgt Ion:198 Resp: 1467

Ion Ratio Lower Upper

198 100

51 134.0 11.0 51.0#

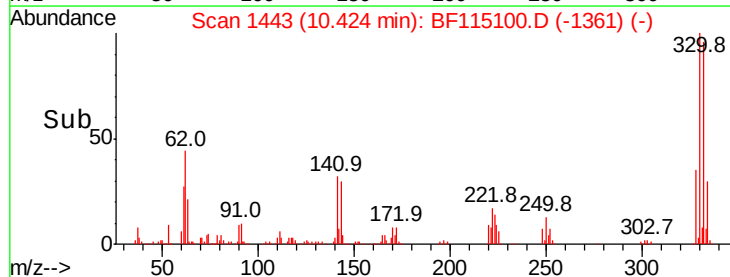
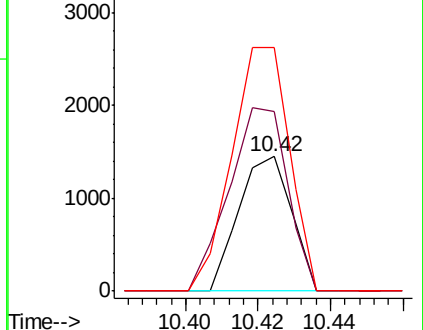
105 181.0 17.3 57.3#

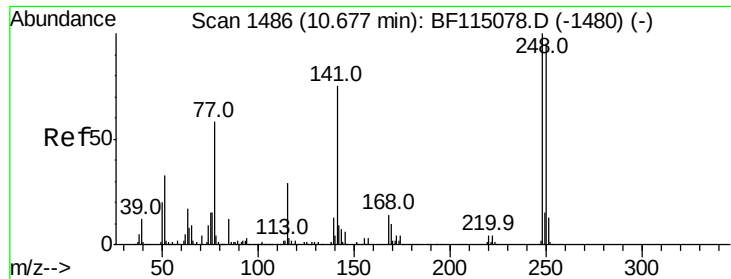


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

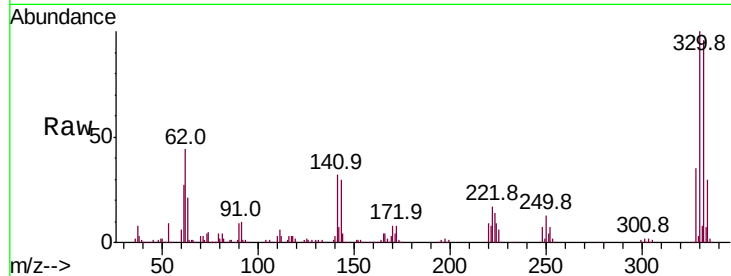




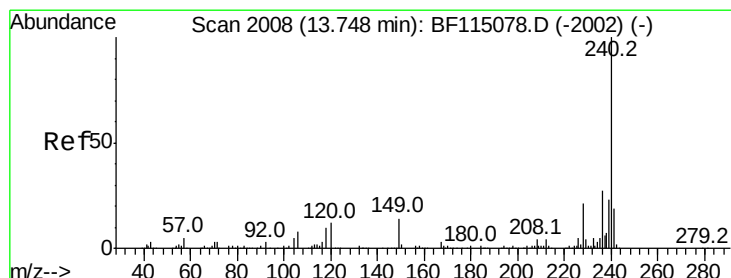
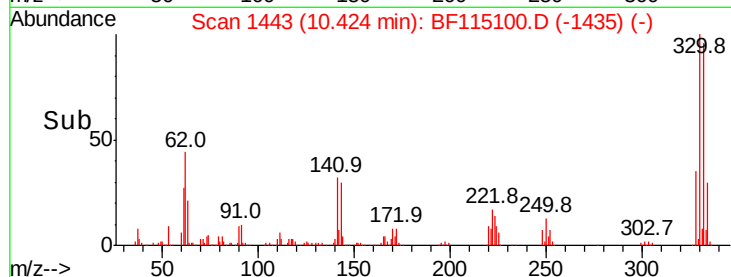
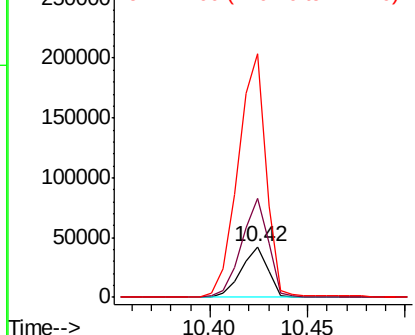
#67
4-Bromophenyl-phenylether
Concen: 3.693 ng
RT: 10.42 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 40034
Ion Ratio Lower Upper
248 100
250 196.7 76.2 114.2#
141 482.9 59.6 89.4#

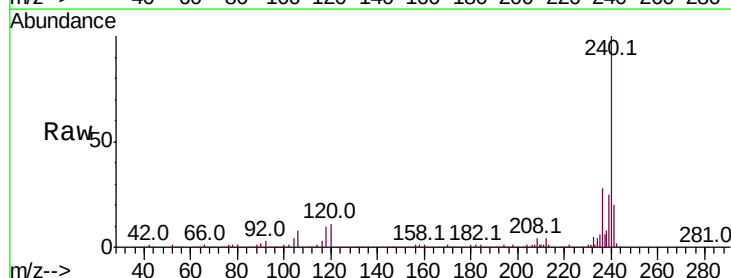


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

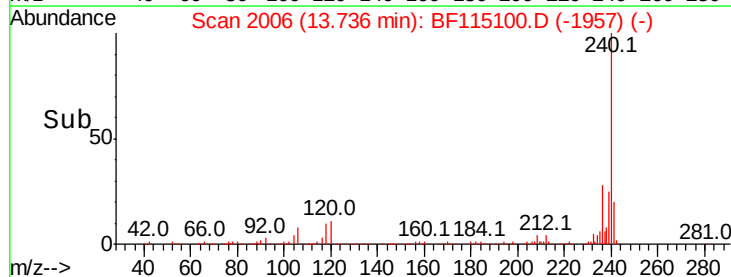
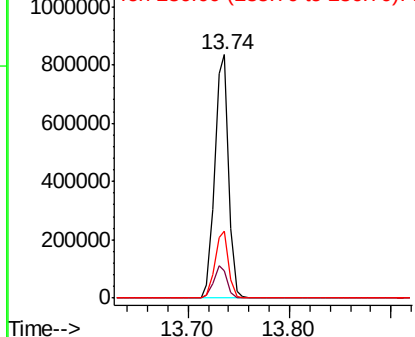


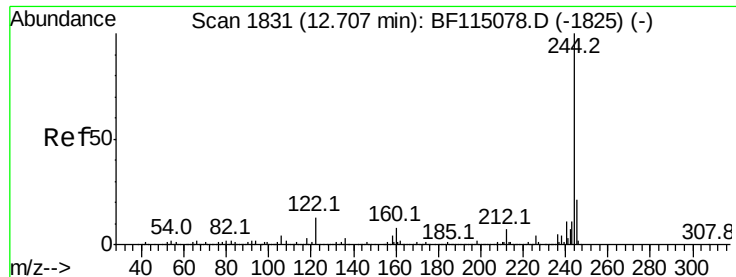
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion:240 Resp: 790999
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 27.6 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: 78.130 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

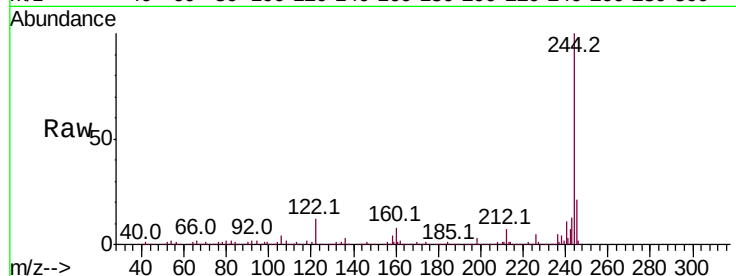
Tot Ion:244 Resp: 2906699

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	12.0	10.4	15.6

244 100

212 7.4 5.8 8.6

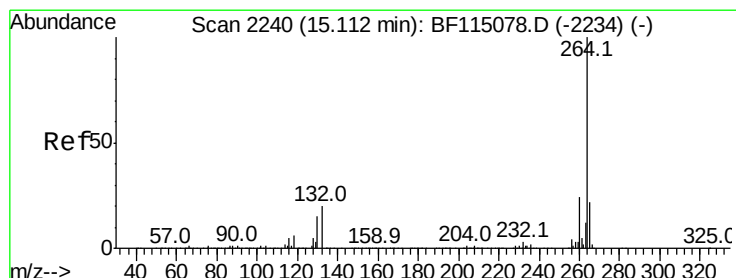
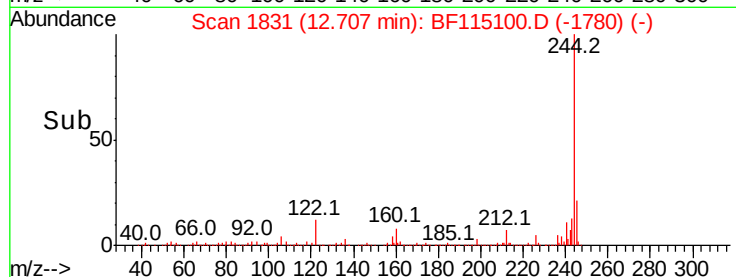
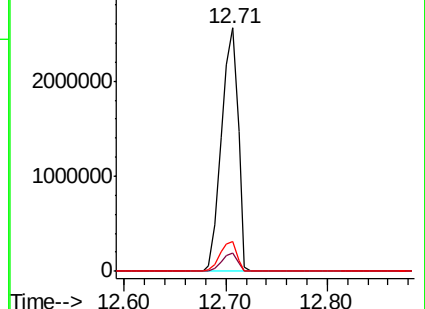
122 12.0 10.4 15.6



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: 15.10 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

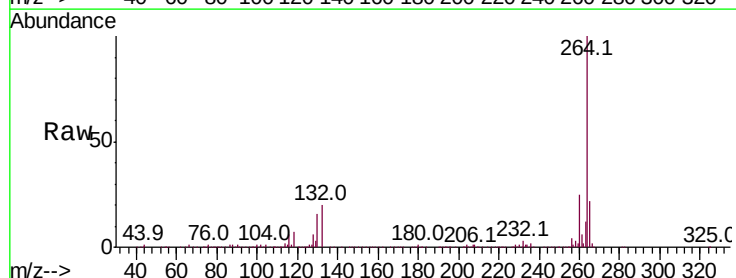
Tgt Ion:264 Resp: 823276

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.1	17.3	25.9

264 100

260 24.6 19.6 29.4

265 22.1 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

