

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115134.D
 Acq On : 22 Jun 2019 21:17
 Operator : HP/JU
 Sample : K3470-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-5

Quant Time: Jun 24 04:38:53 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

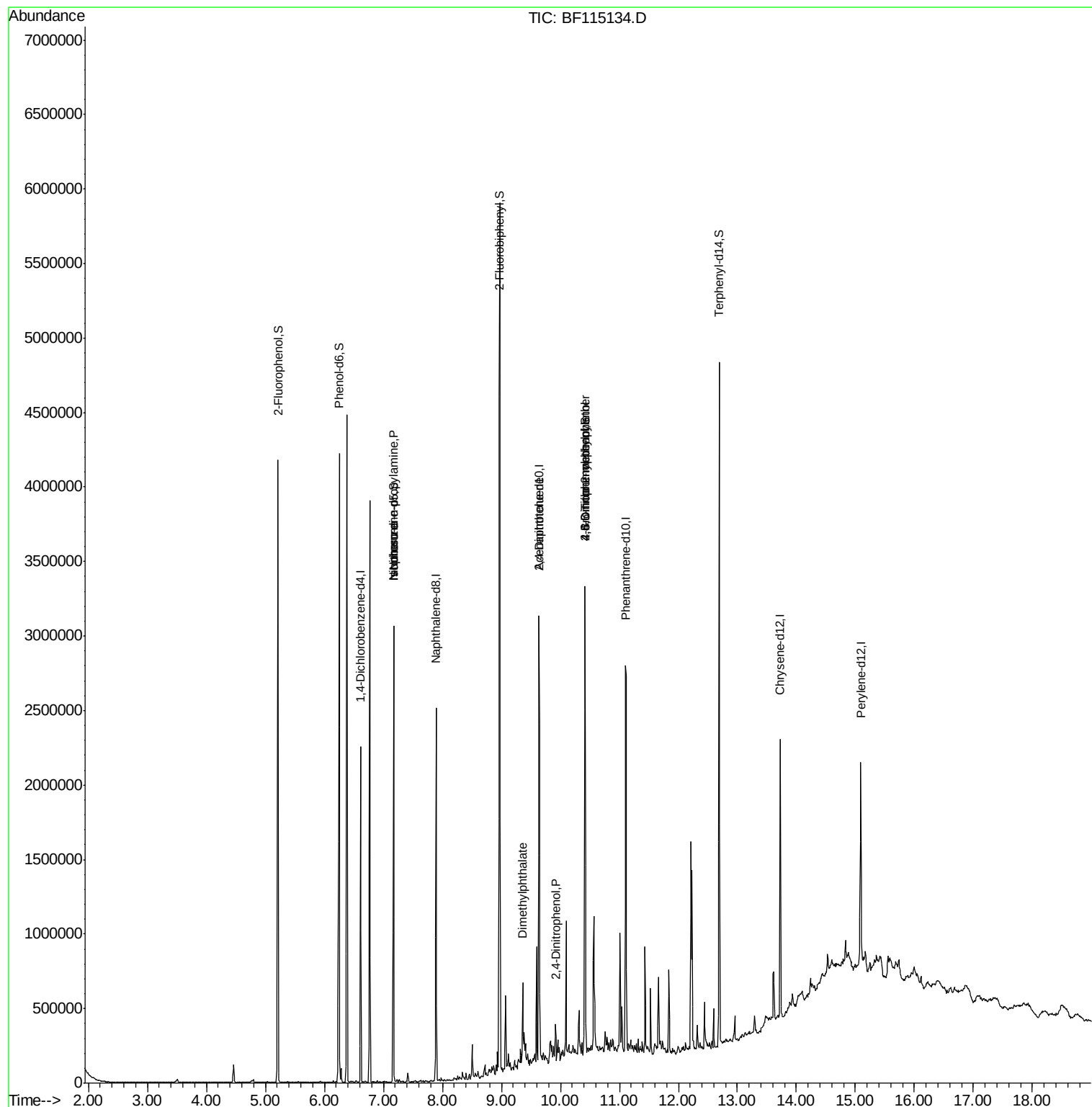
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	307086	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1152391	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	561428	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	978622	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	624309	20.00	ng	-0.02
87) Perylene-d12	15.09	264	586408	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1264721	63.55	ng	0.00
7) Phenol-d6	6.25	99	1584112	65.59	ng	0.00
23) Nitrobenzene-d5	7.17	82	931405	49.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	364628	61.59	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1733306	52.44	ng	-0.01
79) Terphenyl-d14	12.69	244	1516920	51.66	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	124287	8.038	ng	# 77
25) Isophorone	7.17	82	926045	24.131	ng	# 63
50) Dimethylphthalate	9.37	163	216350	5.238	ng	# 99
54) 2,4-Dinitrophenol	9.92	184	130	7.368	ng	# 17
57) 2,4-Dinitrotoluene	9.64	165	76203	6.189	ng	# 30
58) Fluorene	10.18	166	2707	Below Cal	#	68
61) 4-Chlorophenyl-phenylether	10.13	204	271	Below Cal	#	1
65) 4,6-Dinitro-2-methylphenol	10.42	198	780	5.094	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	24039	2.266	ng	# 1

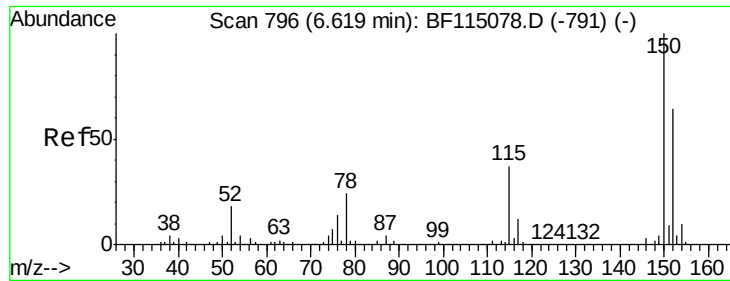
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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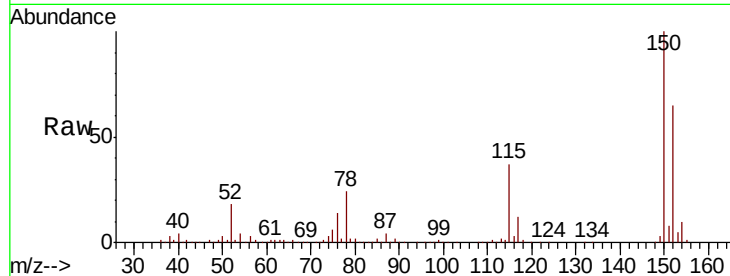


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115134.D
 Acq: 22 Jun 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	57.1	46.1	69.1

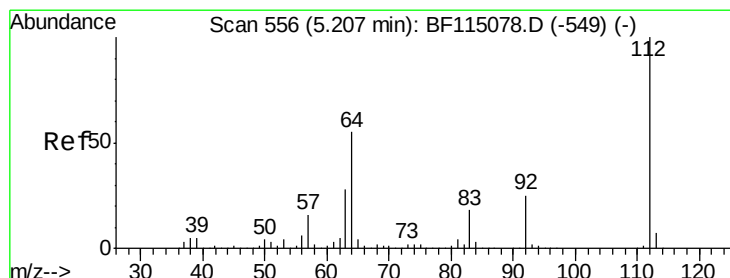
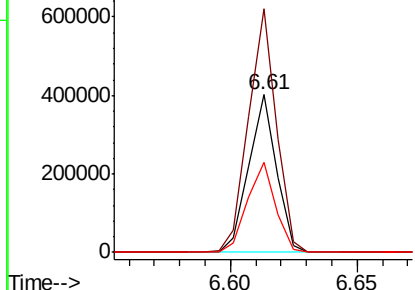
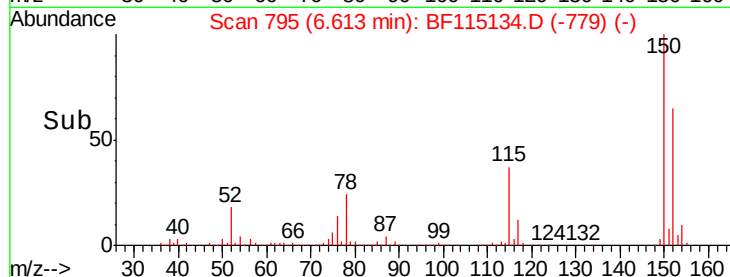


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

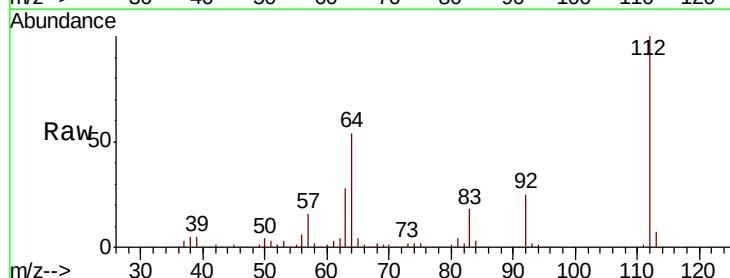
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 63.555 ng
 RT: 5.21 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF115134.D
 Acq: 22 Jun 2019 21:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.8	65.6
63	28.0	22.2	33.4

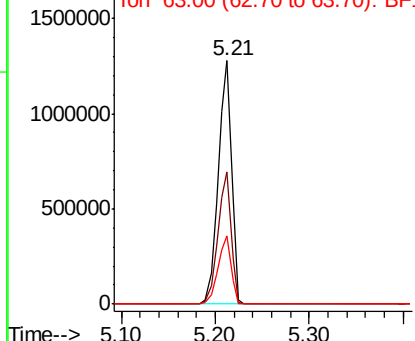
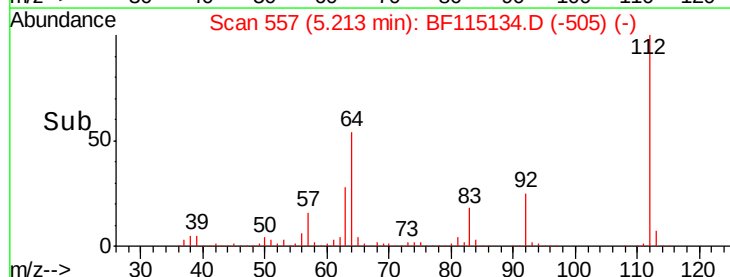


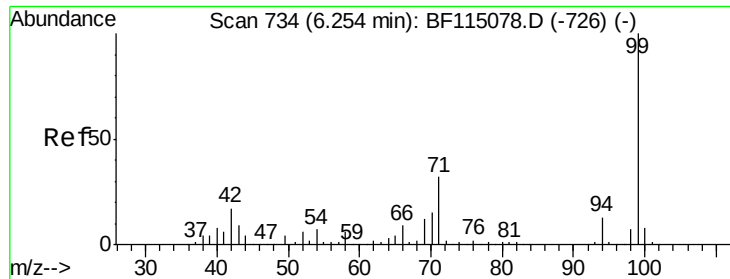
Abundance

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: 65.586 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115134.D

Acq: 22 Jun 2019 21:17

Instrument :

BNA_F

ClientSampleId :

SAMPLE-5

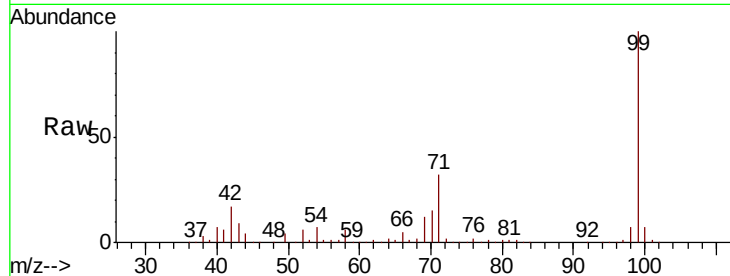
Tot Ion: 99 Resp: 1584112

Ion Ratio Lower Upper

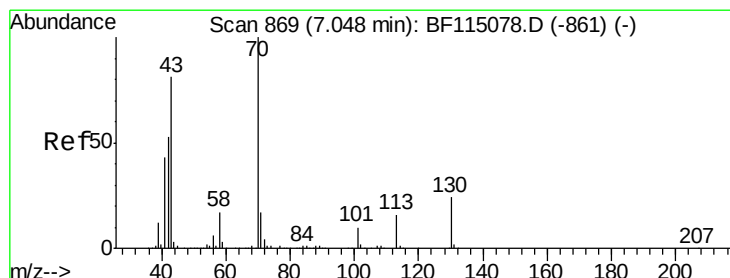
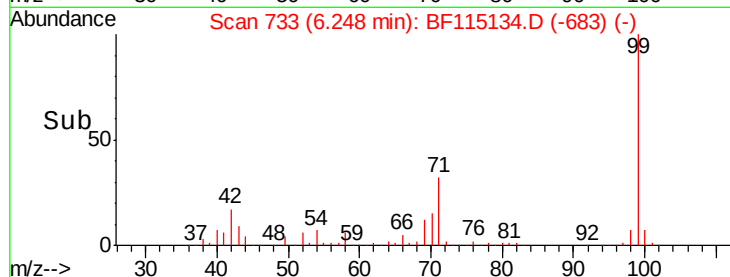
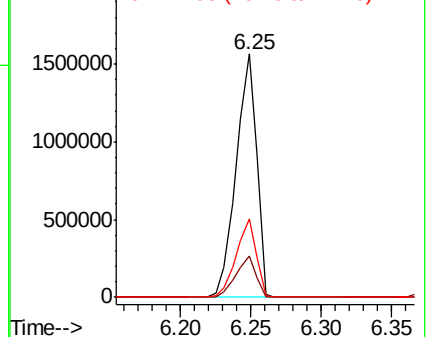
99 100

42 17.2 13.6 20.4

71 32.2 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: 8.038 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115134.D

Acq: 22 Jun 2019 21:17

Tgt Ion: 70 Resp: 124287

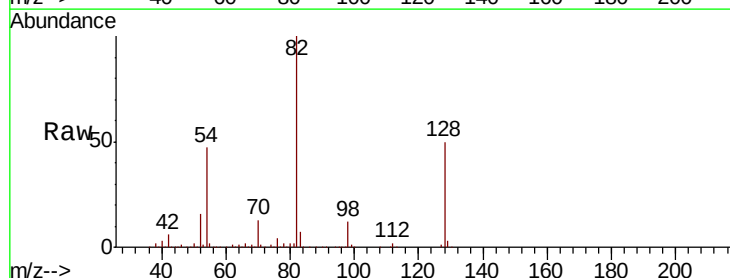
Ion Ratio Lower Upper

70 100

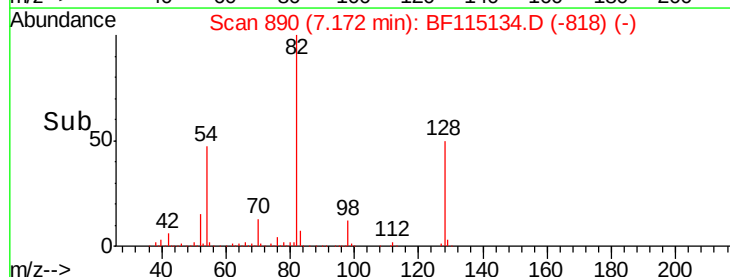
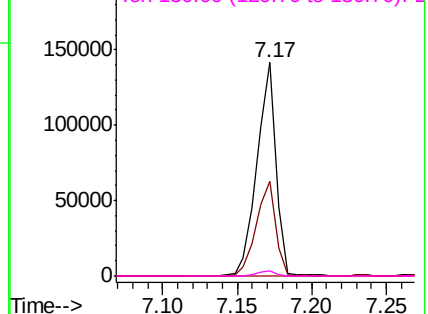
42 44.6 42.6 63.8

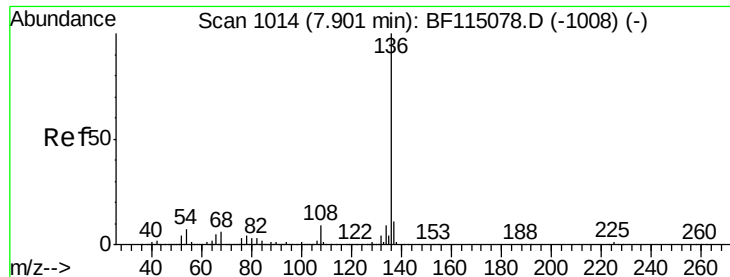
101 0.0 8.0 12.0#

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

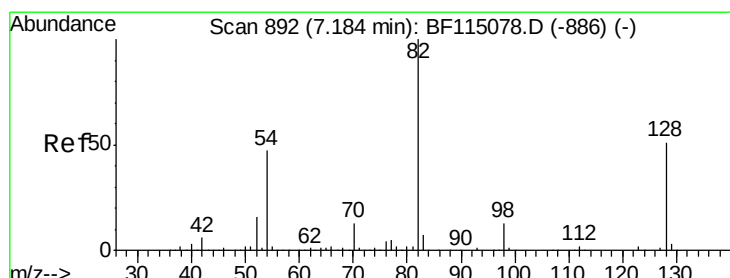
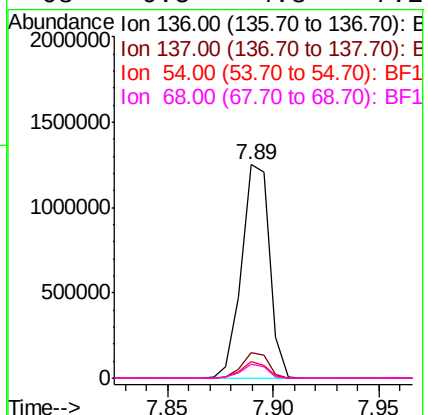
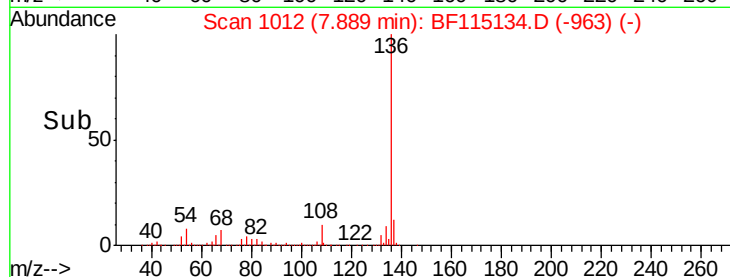
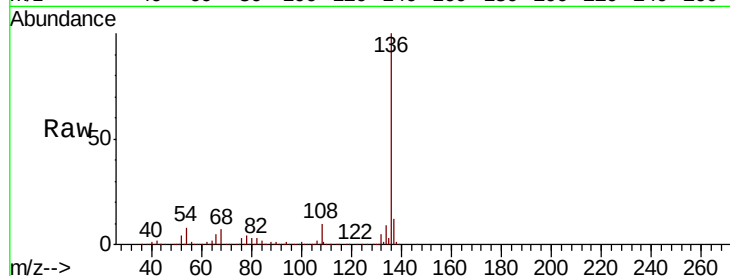




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

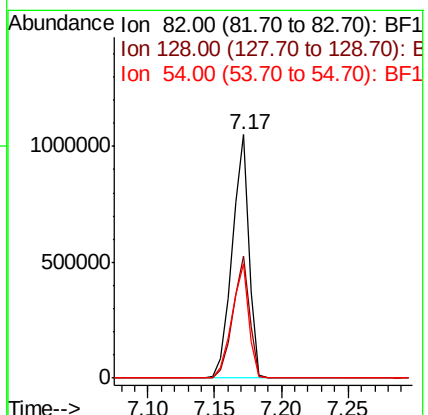
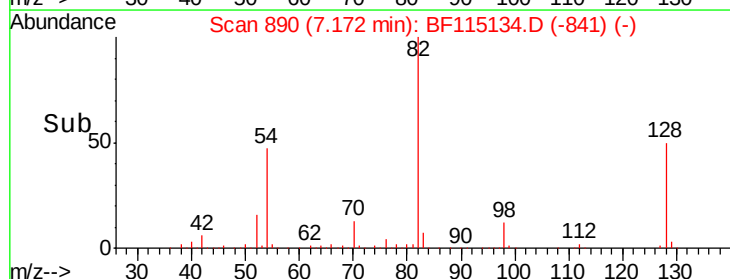
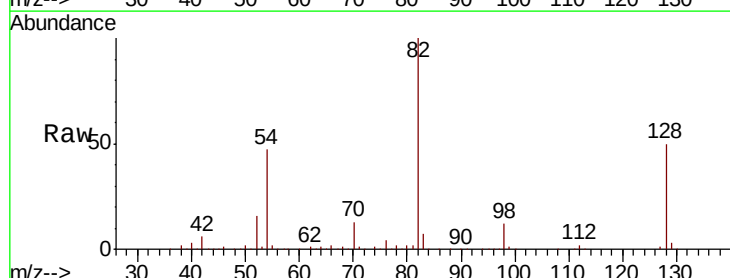
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5

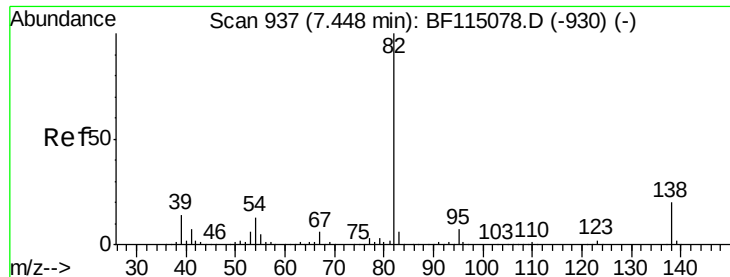
Tot Ion:136	Resp: 1152391
Ion Ratio	Lower Upper
136 100	
137 11.8	8.9 13.3
54 7.6	5.6 8.4
68 6.5	4.8 7.2



#23
Nitrobenzene-d5
Concen: 49.719 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

Tgt Ion: 82	Resp: 931405
Ion Ratio	Lower Upper
82 100	
128 50.2	40.4 60.6
54 47.0	37.5 56.3





#25

Isophorone

Concen: 24.131 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115134.D

Acq: 22 Jun 2019 21:17

Instrument :

BNA_F

ClientSampleId :

SAMPLE-5

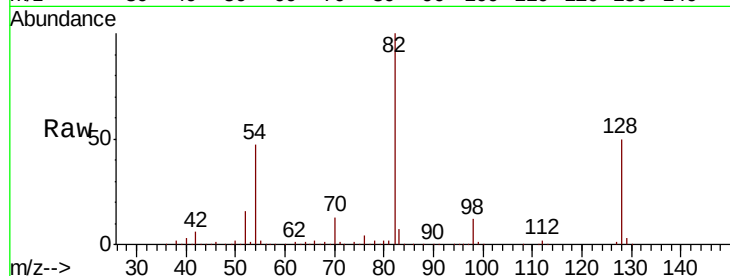
Tot Ion: 82 Resp: 926045

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

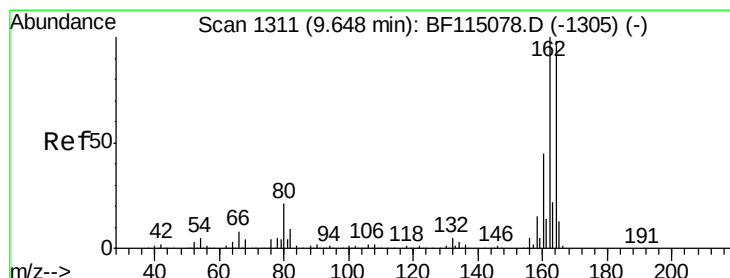
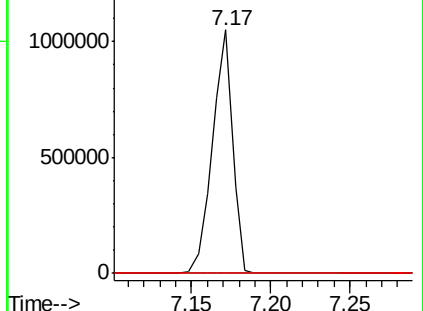
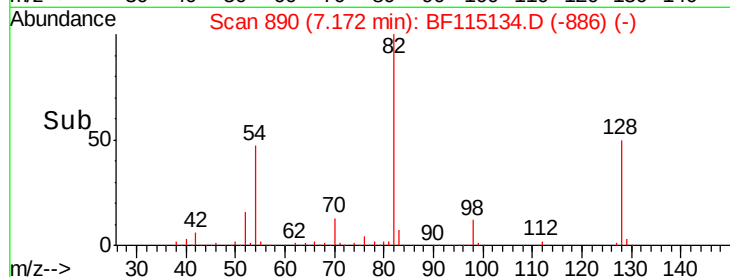
138 0.0 15.9 23.9#



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: BF115134.D

Acq: 22 Jun 2019 21:17

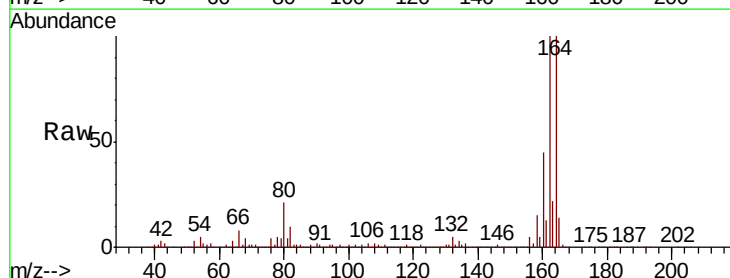
Tgt Ion: 164 Resp: 561428

Ion Ratio Lower Upper

164 100

162 99.8 81.7 122.5

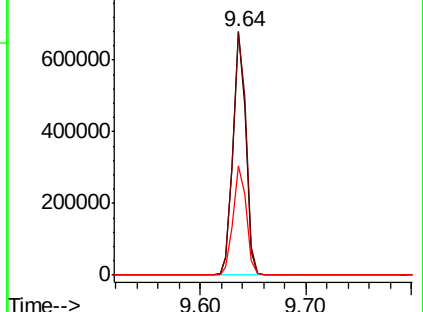
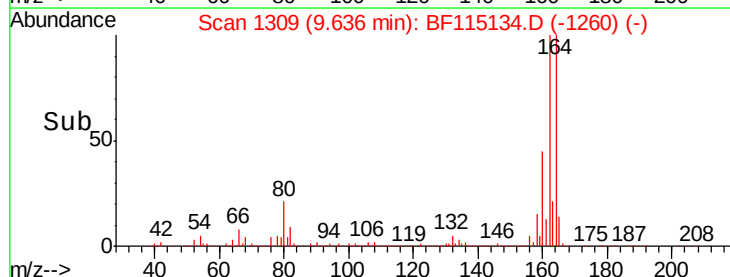
160 44.7 37.0 55.4

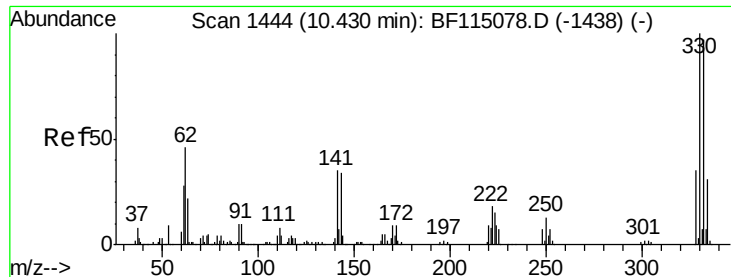


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

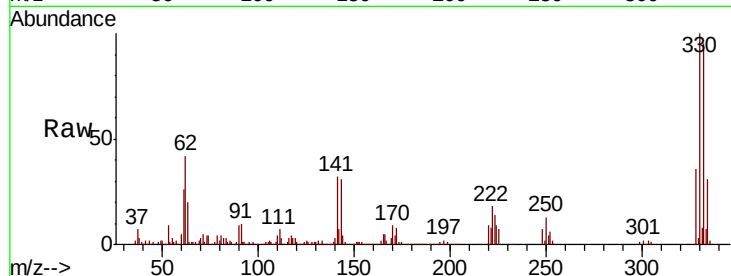




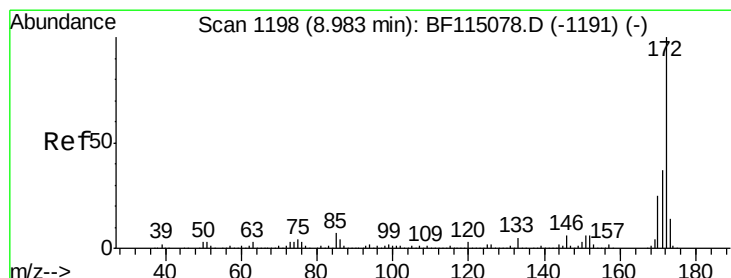
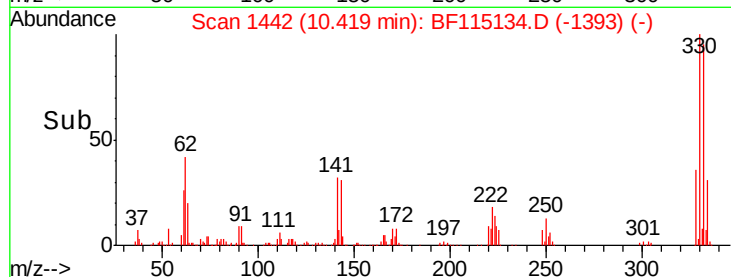
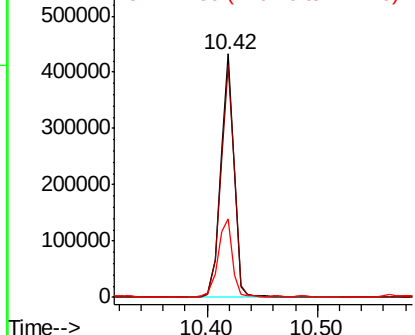
#42
 2,4,6-Tribromophenol
 Concen: 61.588 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115134.D
 Acq: 22 Jun 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-5

Tot Ion:330 Resp: 364628
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.3 115.9
 141 33.8 28.2 42.2

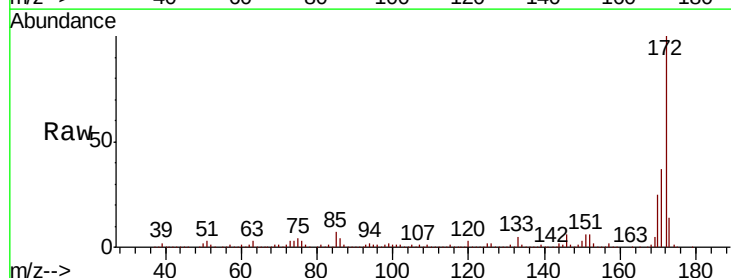


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

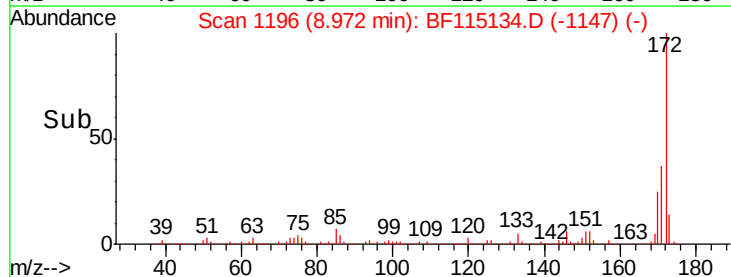
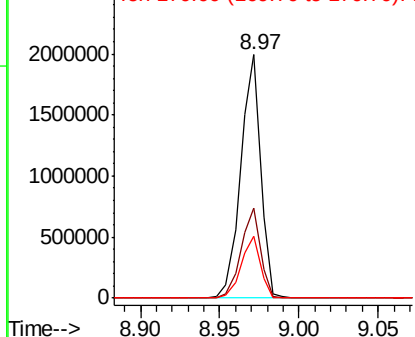


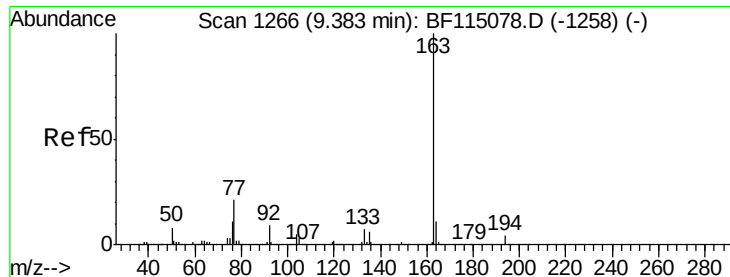
#45
 2-Fluorobiphenyl
 Concen: 52.442 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115134.D
 Acq: 22 Jun 2019 21:17

Tgt Ion:172 Resp: 1733306
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.5 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

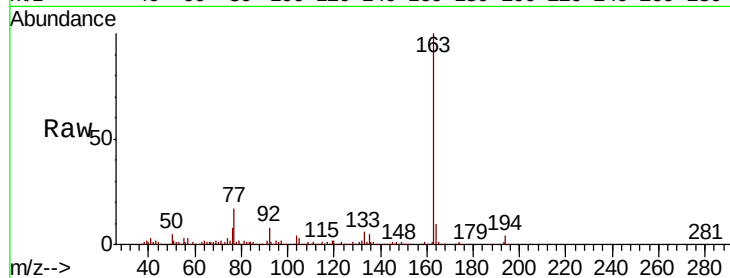




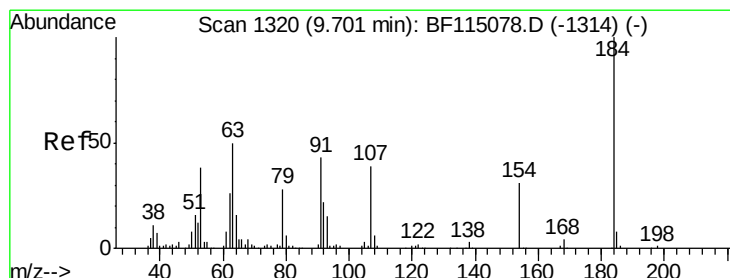
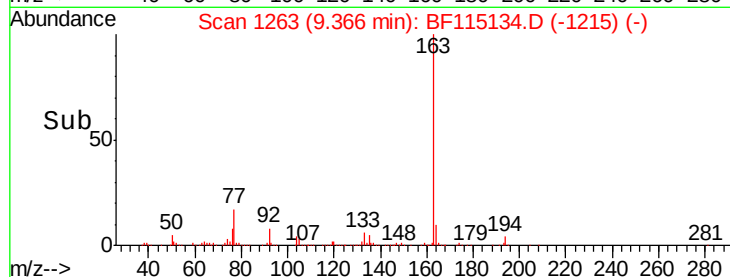
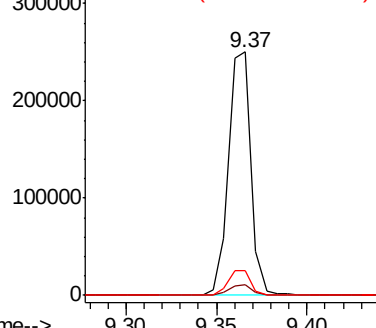
#50
Dimethylphthalate
Concen: 5.238 ng
RT: 9.37 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.6	13.0

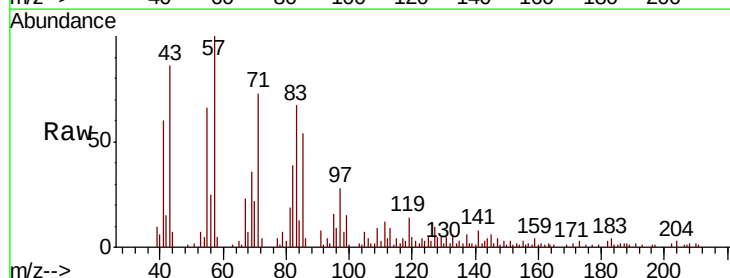


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

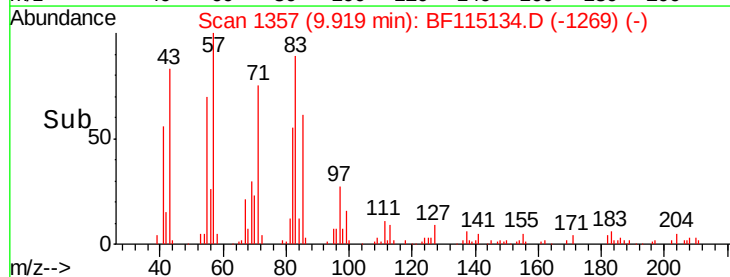
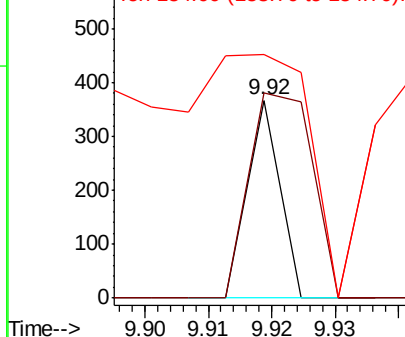


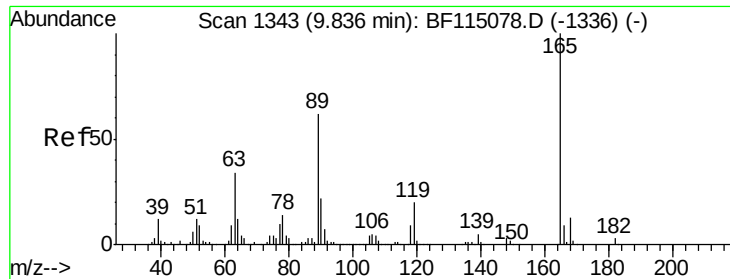
#54
2,4-Dinitrophenol
Concen: 7.368 ng
RT: 9.92 min Scan# 1357
Delta R.T. 0.22 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	103.5	41.9	62.9#
154	123.2	44.7	67.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

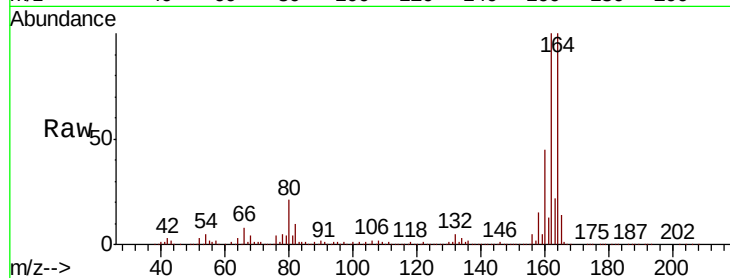




#57
2,4-Dinitrotoluene
Concen: 6.189 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.5	41.3#
89	1.5	49.9	74.9#
182	1.5	2.1	3.1#

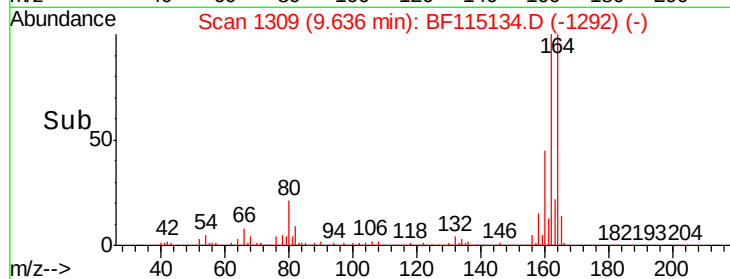
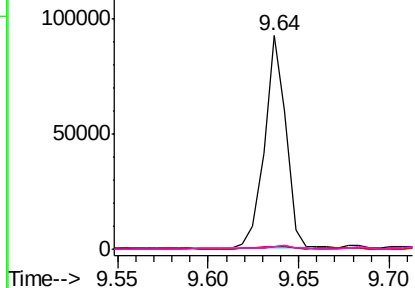


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

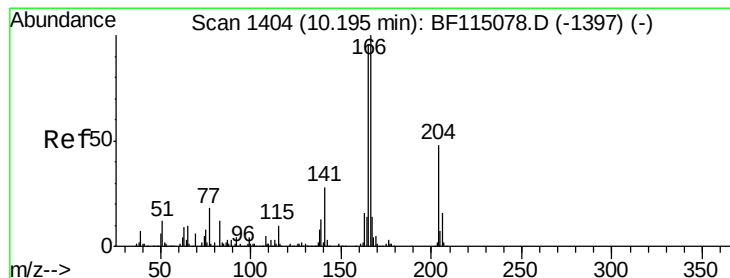
Ion 89.00 (88.70 to 89.70): BF1

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: BF115134.D
Acq: 22 Jun 2019 21:17

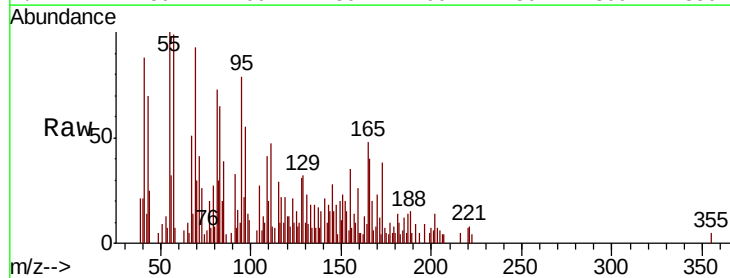
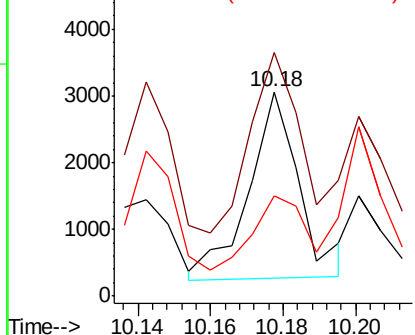
Tgt Ion	Ratio	Lower	Upper
166	100		
165	119.2	76.5	114.7#
167	48.8	11.0	16.4#

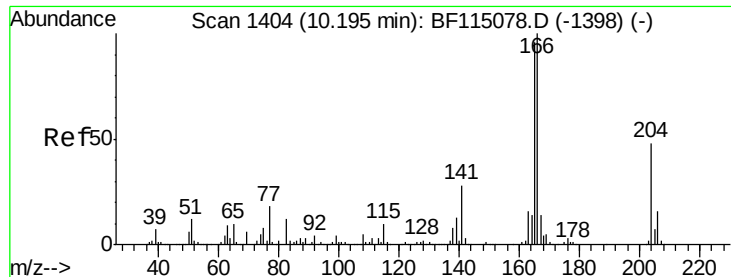


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

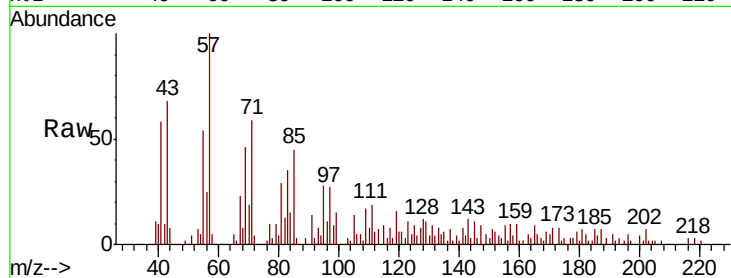




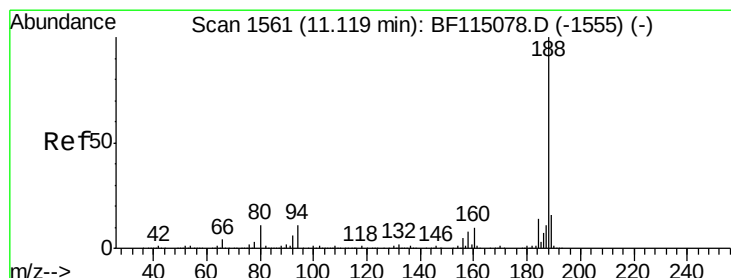
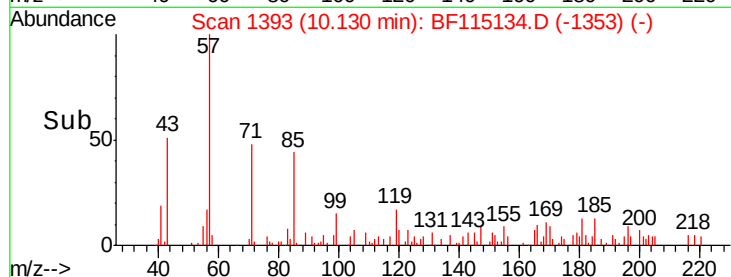
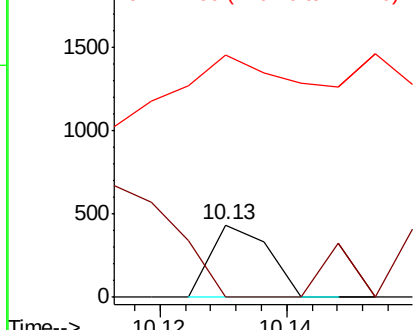
#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.13 min Scan# 1393
Delta R.T. -0.06 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5

Tot Ion:204 Resp: 271
Ion Ratio Lower Upper
204 100
206 0.0 26.6 40.0#
141 335.4 46.7 70.1#

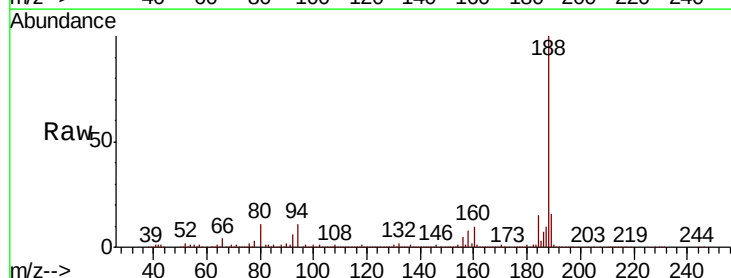


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

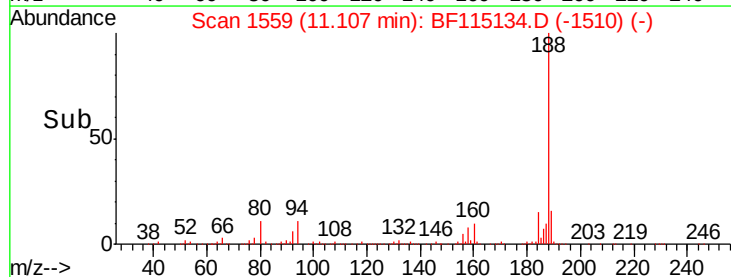
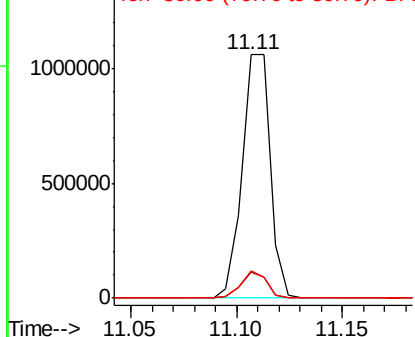


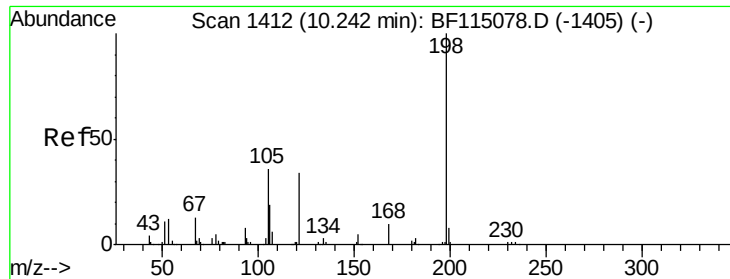
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115134.D
Acq: 22 Jun 2019 21:17

Tgt Ion:188 Resp: 978622
Ion Ratio Lower Upper
188 100
94 10.9 8.6 12.8
80 11.3 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: 5.094 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115134.D

Acq: 22 Jun 2019 21:17

Instrument :

BNA_F

ClientSampleId :

SAMPLE-5

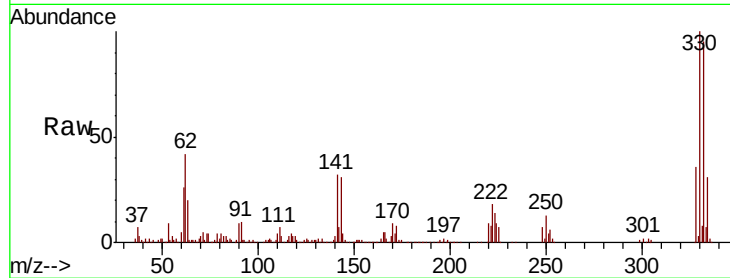
Tot Ion:198 Resp: 780

Ion Ratio Lower Upper

198 100

51 162.2 11.0 51.0#

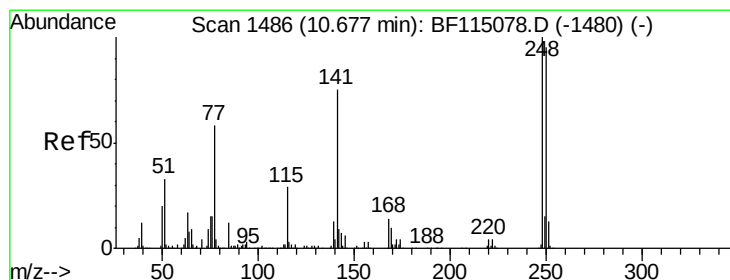
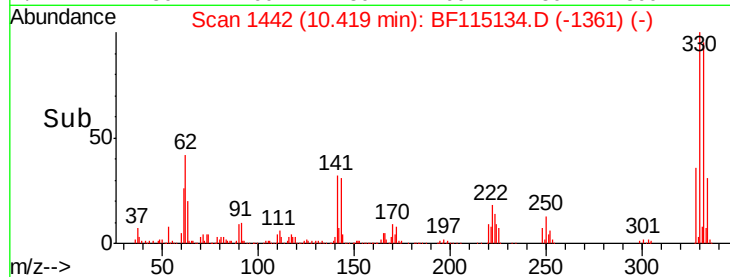
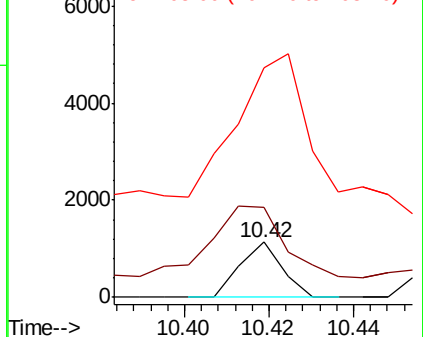
105 416.4 17.3 57.3#



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: 2.266 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.26 min

Lab File: BF115134.D

Acq: 22 Jun 2019 21:17

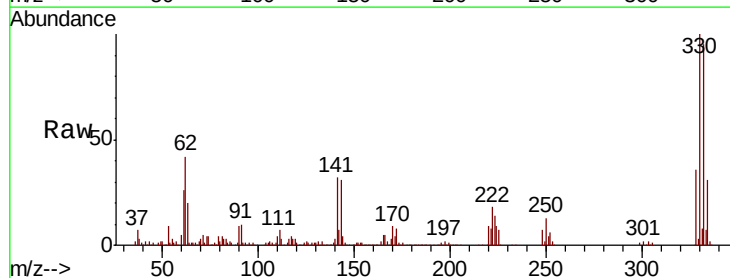
Tgt Ion:248 Resp: 24039

Ion Ratio Lower Upper

248 100

250 187.7 76.2 114.2#

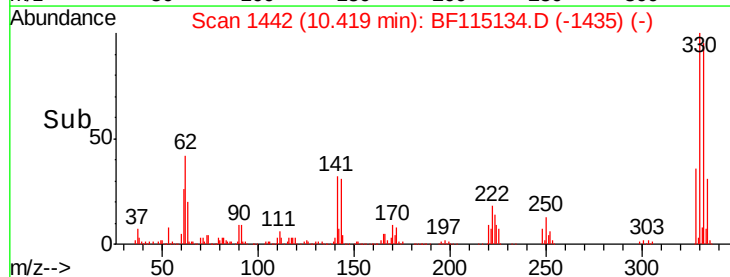
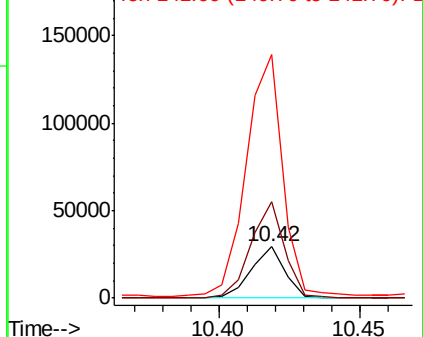
141 472.8 59.6 89.4#

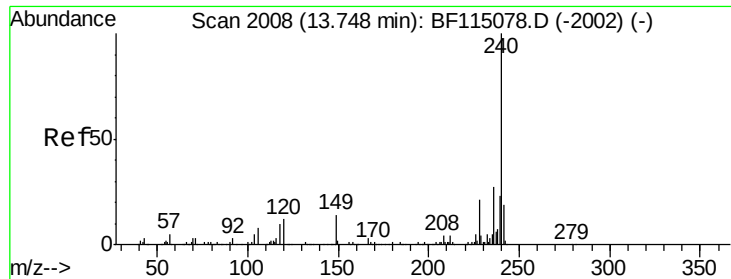


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

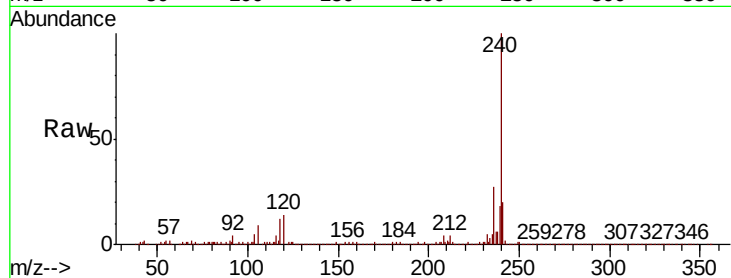




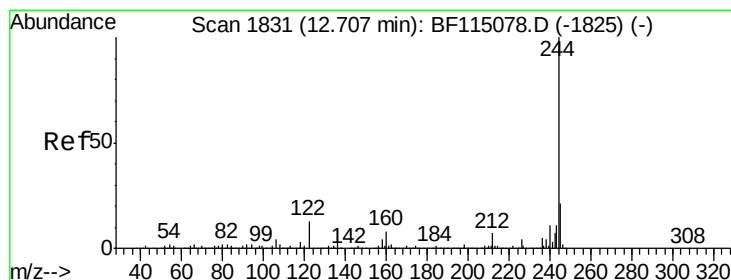
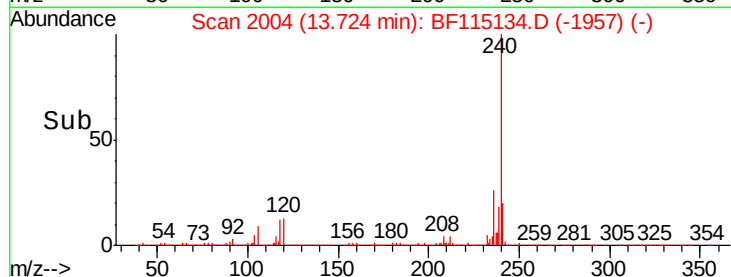
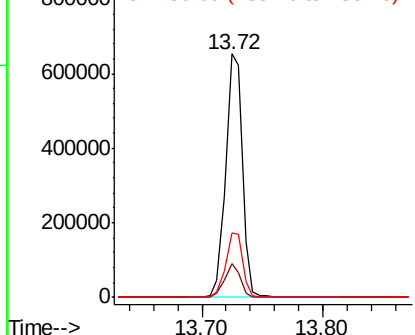
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.72 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF115134.D
 Acq: 22 Jun 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-5

Tot Ion:240 Resp: 624309
 Ion Ratio Lower Upper
 240 100
 120 13.6 9.4 14.2
 236 26.6 21.7 32.5

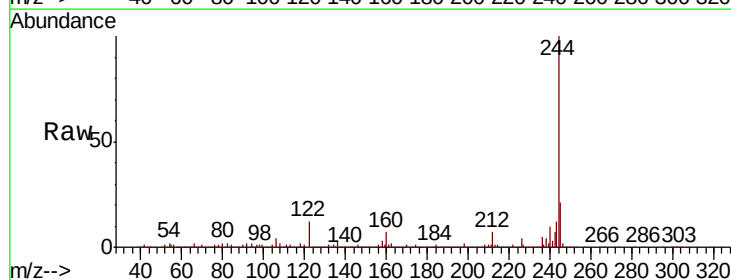


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

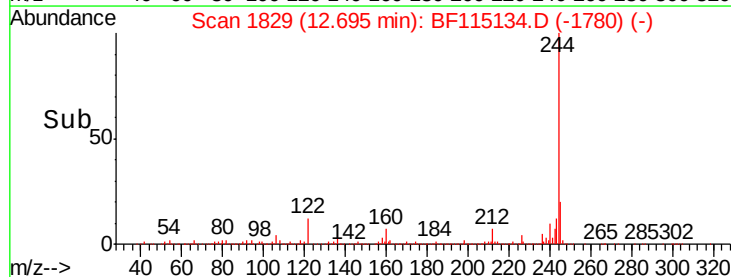
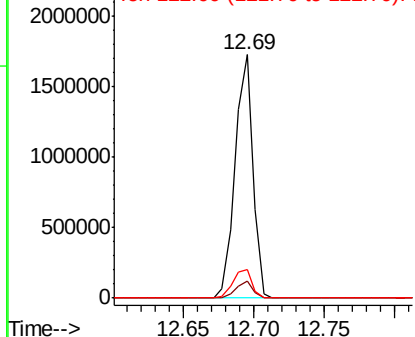


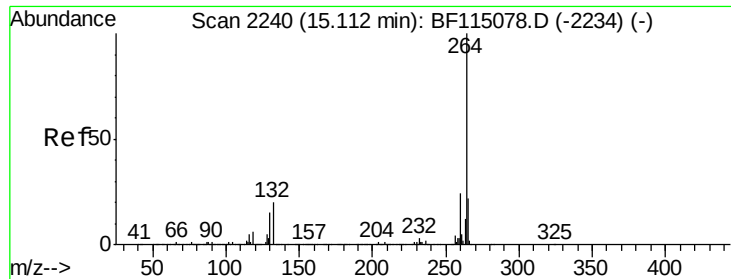
#79
 Terphenyl-d14
 Concen: 51.660 ng
 RT: 12.69 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF115134.D
 Acq: 22 Jun 2019 21:17

Tgt Ion:244 Resp: 1516920
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 11.8 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: BF115134.D
Acq: 22 Jun 2019 21:17

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5

Tot Ion:	264	Resp:	586408
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.4	17.3	25.9

