

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115124.D
 Acq On : 22 Jun 2019 16:50
 Operator : HP/JU
 Sample : K3441-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-3

Quant Time: Jun 24 04:35:25 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

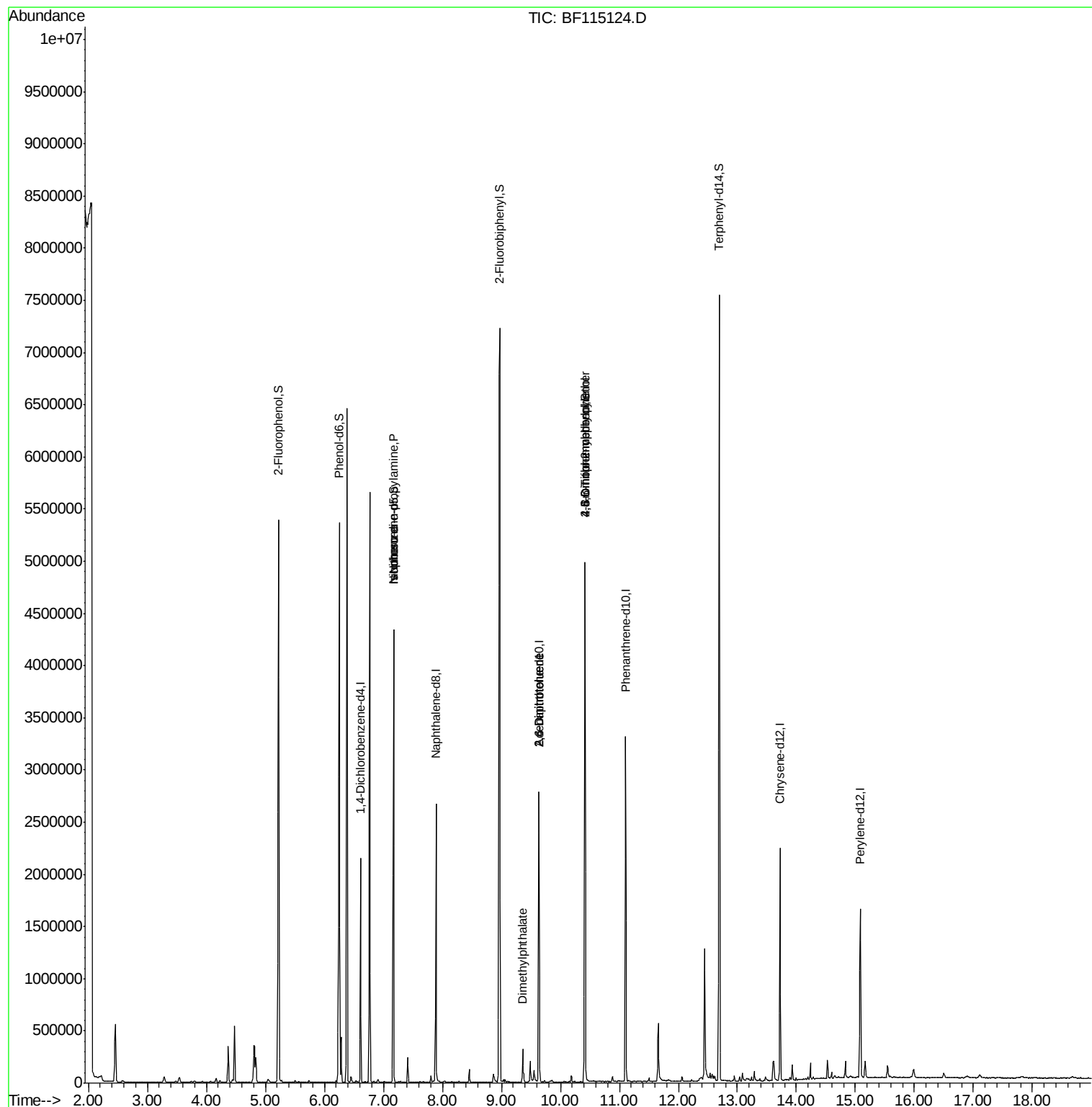
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	302229	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1163913	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	576925	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1108330	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	701735	20.00	ng	-0.02
87) Perylene-d12	15.08	264	659860	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1912930	97.67	ng	0.02
7) Phenol-d6	6.25	99	2121179	89.23	ng	0.00
23) Nitrobenzene-d5	7.17	82	1543999	81.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	698971	114.89	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2793669	82.25	ng	-0.01
79) Terphenyl-d14	12.70	244	2947551	89.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	207485	13.634	ng	# 78
25) Isophorone	7.17	82	1526806	39.391	ng	# 63
50) Dimethylphthalate	9.36	163	118263	2.786	ng	97
51) 2,6-Dinitrotoluene	9.64	165	74862	7.639	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	74862	5.917	ng	# 30
58) Fluorene	10.42	166	31387	Below Cal		# 85
65) 4,6-Dinitro-2-methylphenol	10.42	198	1430	5.177	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	44013	3.663	ng	# 1

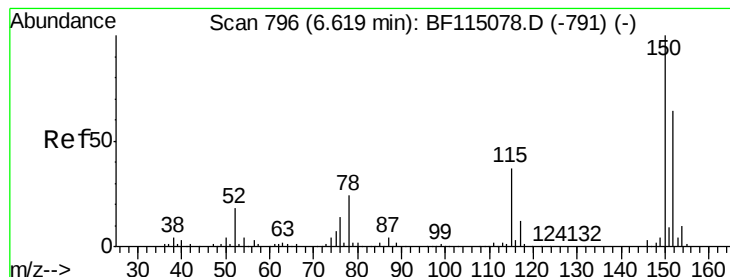
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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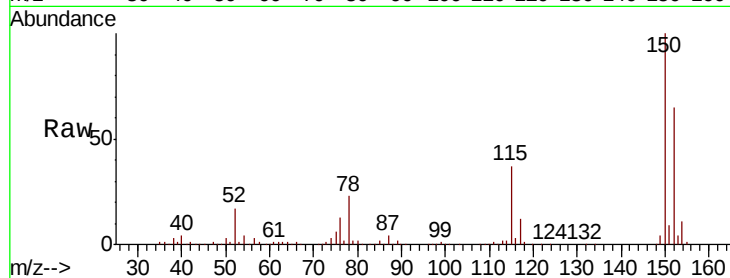


#1

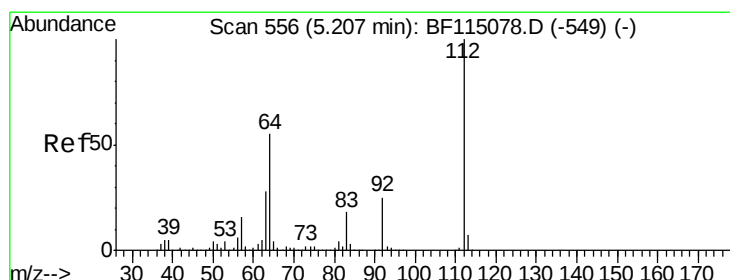
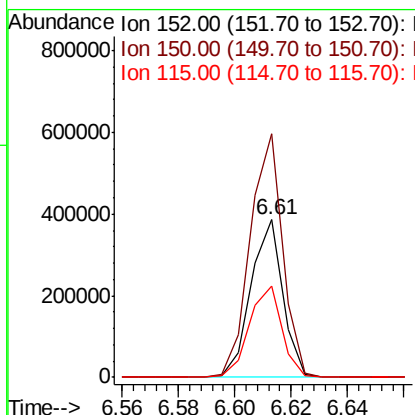
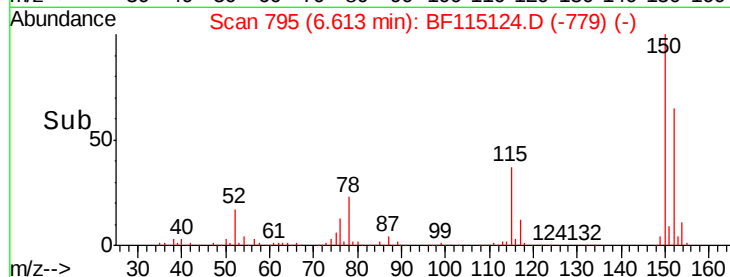
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	57.6	46.1	69.1



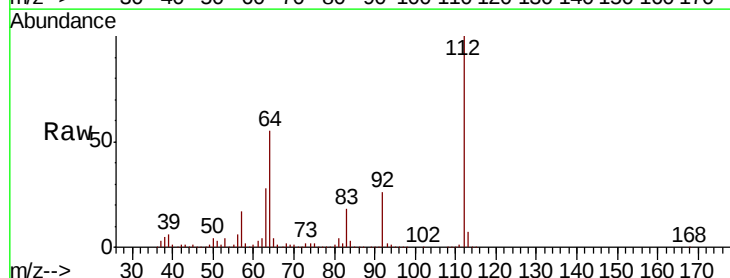
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



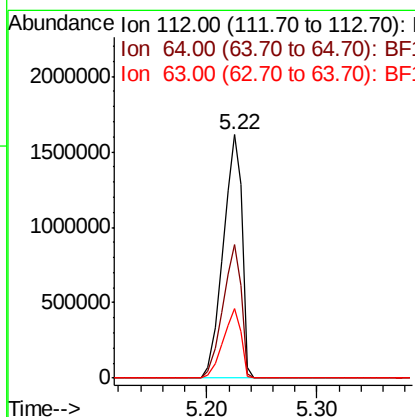
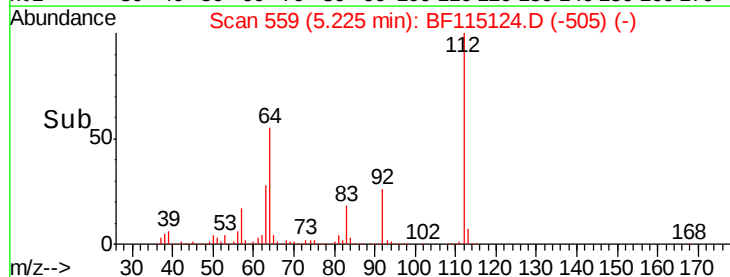
#5

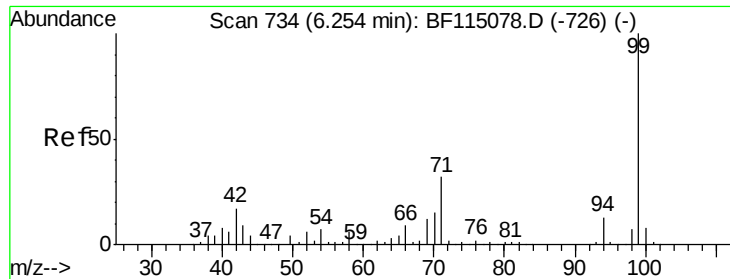
2-Fluorophenol
Concen: 97.673 ng
RT: 5.22 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	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: 89.233 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3

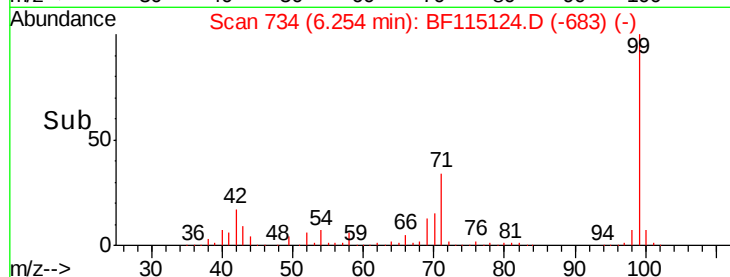
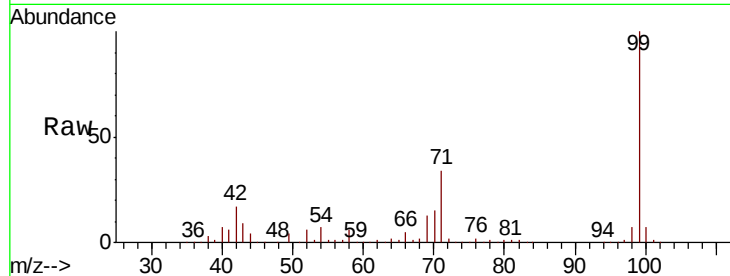
Tot Ion: 99 Resp: 2121179

Ion Ratio Lower Upper

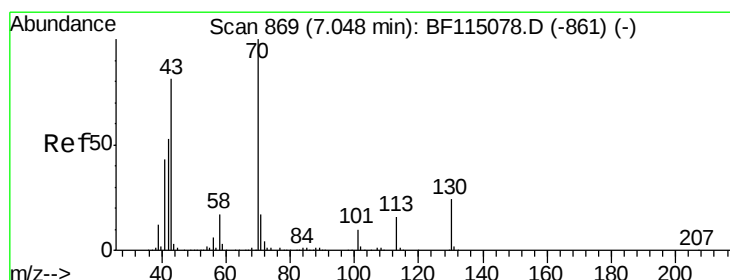
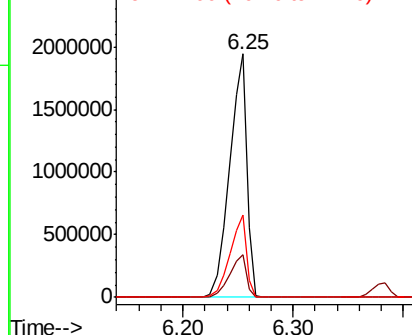
99 100

42 17.4 13.6 20.4

71 33.9 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: 13.634 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

Tgt Ion: 70 Resp: 207485

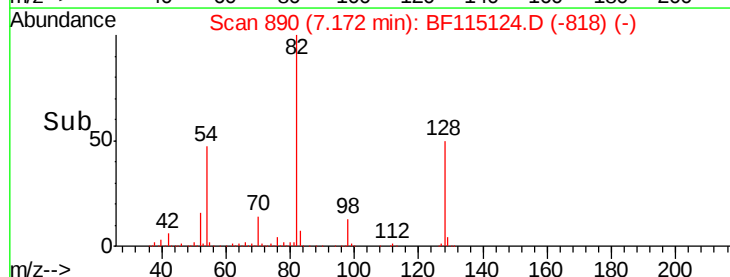
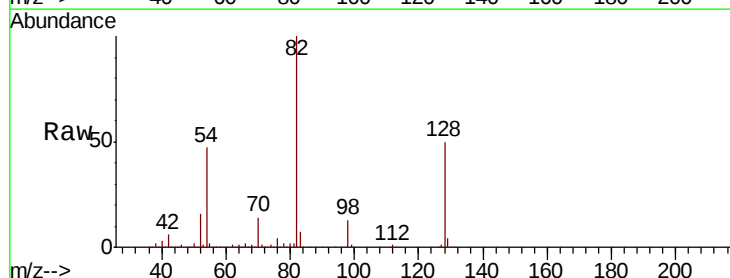
Ion Ratio Lower Upper

70 100

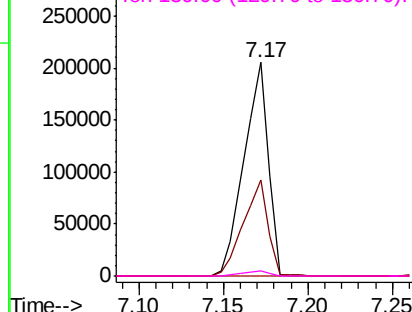
42 44.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.5 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

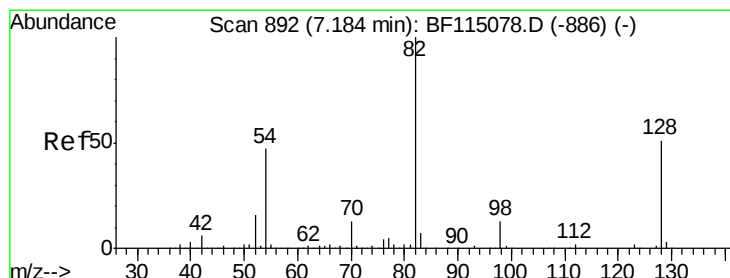
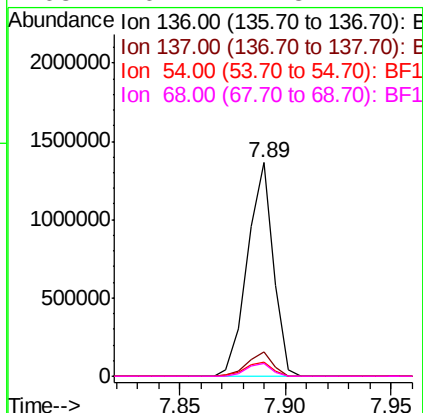
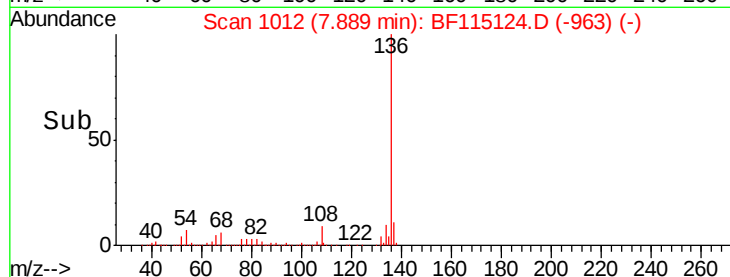
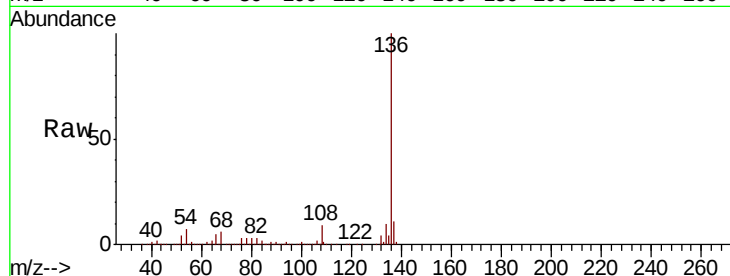




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

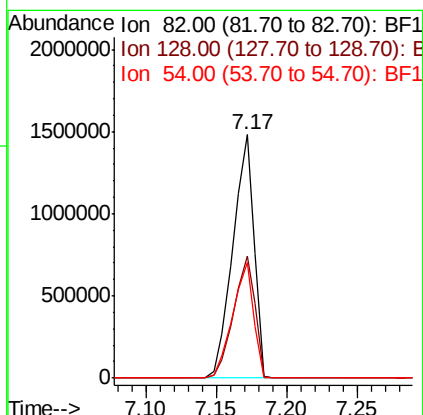
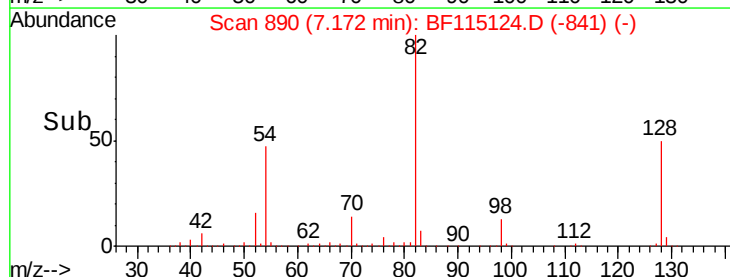
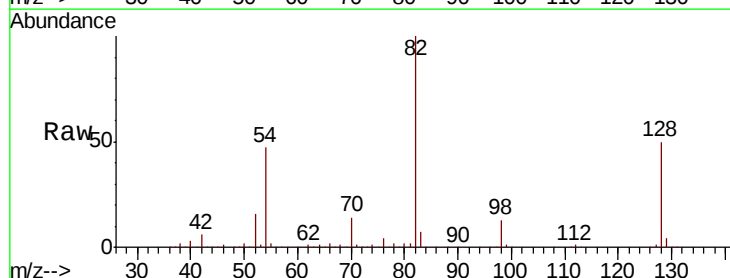
Instrument :
BNA_F
ClientSampled :
SAMPLE-3

Tot Ion:136	Resp: 1163913
Ion Ratio	Lower Upper
136 100	
137 11.3	8.9 13.3
54 6.9	5.6 8.4
68 6.1	4.8 7.2



#23
Nitrobenzene-d5
Concen: 81.604 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Tgt Ion: 82	Resp: 1543999
Ion Ratio	Lower Upper
82 100	
128 50.2	40.4 60.6
54 47.5	37.5 56.3





#25

Isophorone

Concen: 39.391 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3

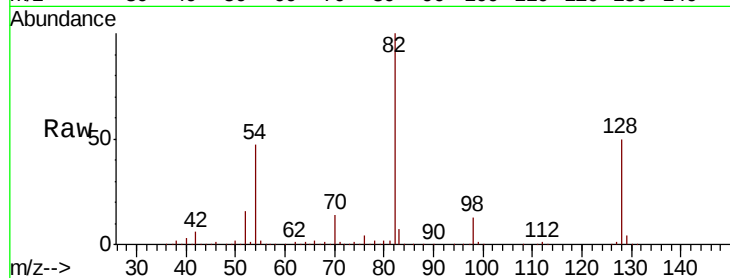
Tot Ion: 82 Resp: 1526806

Ion Ratio Lower Upper

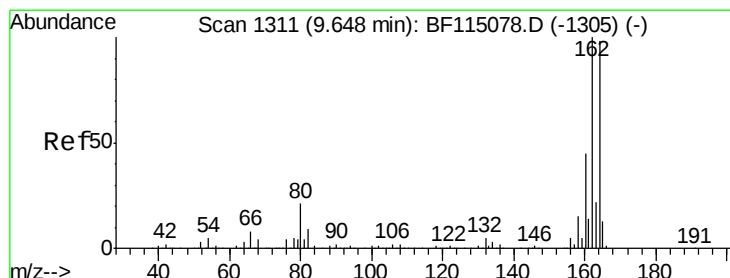
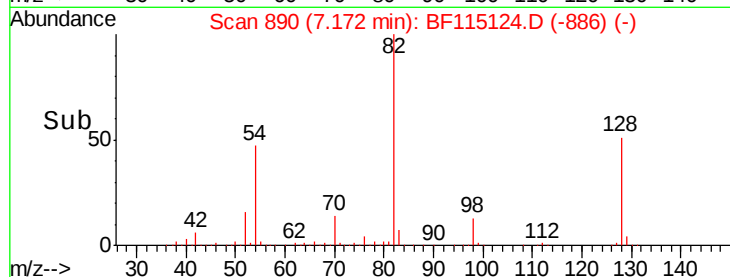
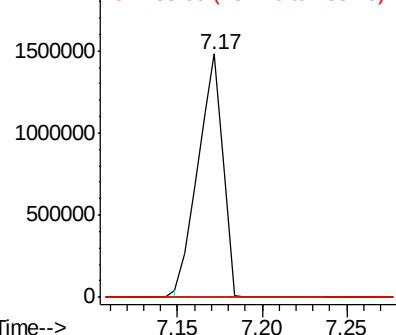
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

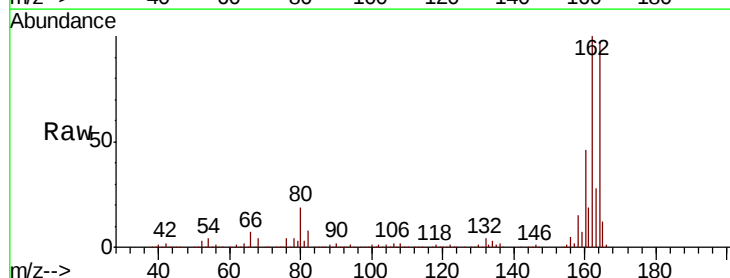
Tgt Ion:164 Resp: 576925

Ion Ratio Lower Upper

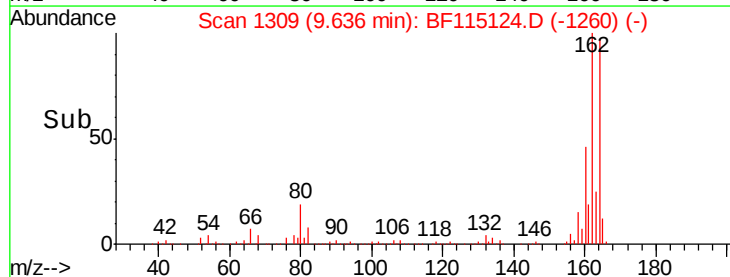
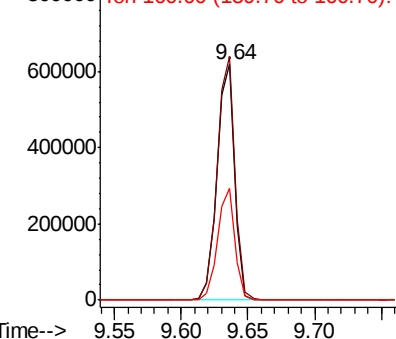
164 100

162 103.2 81.7 122.5

160 47.4 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

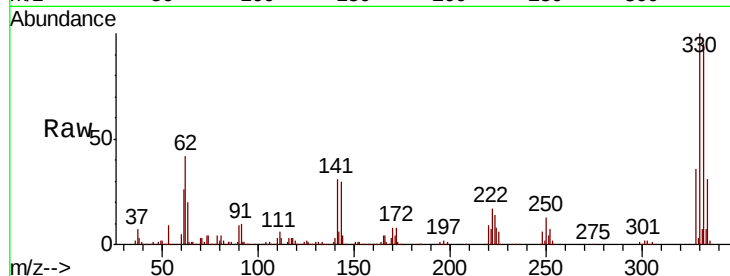




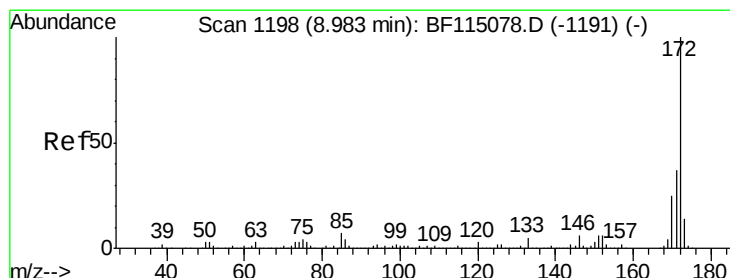
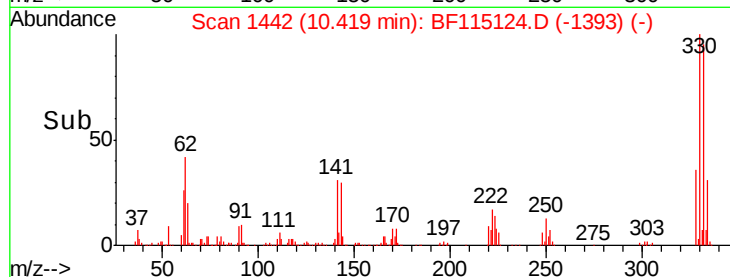
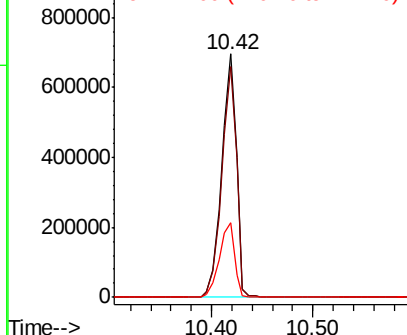
#42
 2,4,6-Tribromophenol
 Concen: 114.889 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115124.D
 Acq: 22 Jun 2019 16:50

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-3

Tot Ion:330 Resp: 698971
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.3 115.9
 141 32.1 28.2 42.2

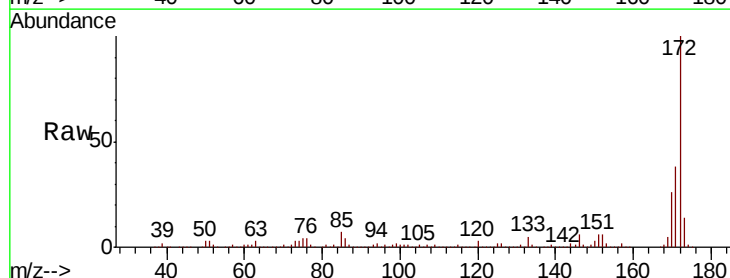


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

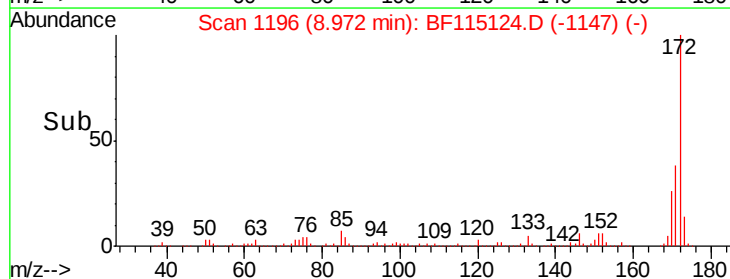
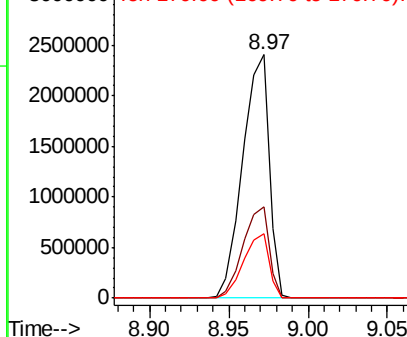


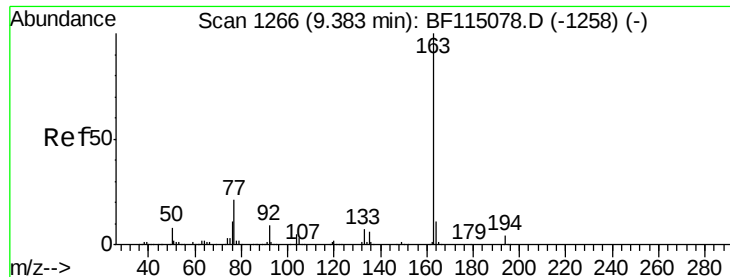
#45
 2-Fluorobiphenyl
 Concen: 82.253 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115124.D
 Acq: 22 Jun 2019 16:50

Tgt Ion:172 Resp: 2793669
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.8 44.6
 170 26.2 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

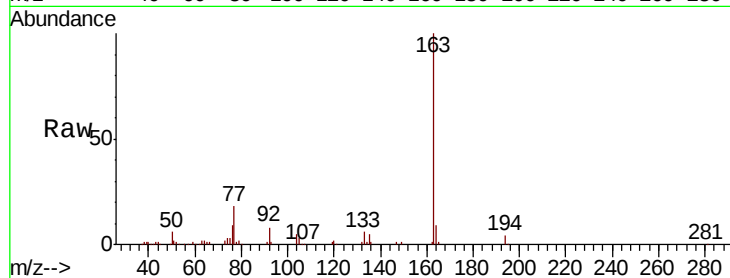




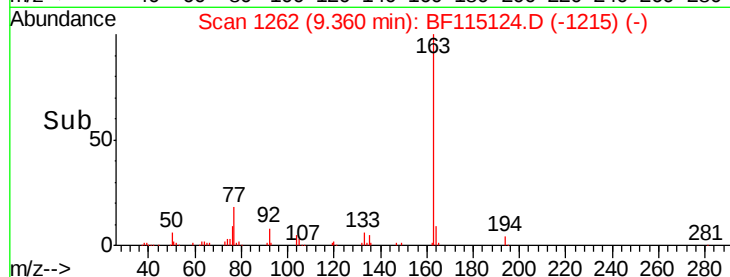
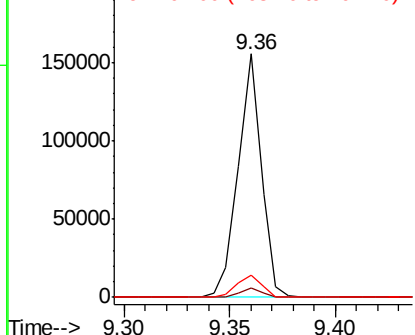
#50
Dimethylphthalate
Concen: 2.786 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

Tot Ion:163 Resp: 118263
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.3 8.6 13.0

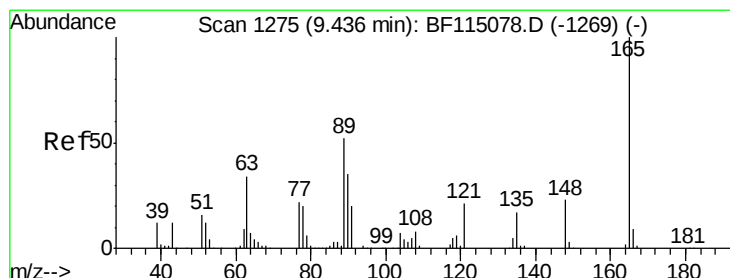


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

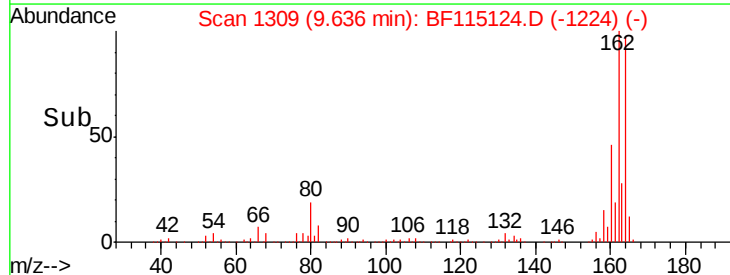
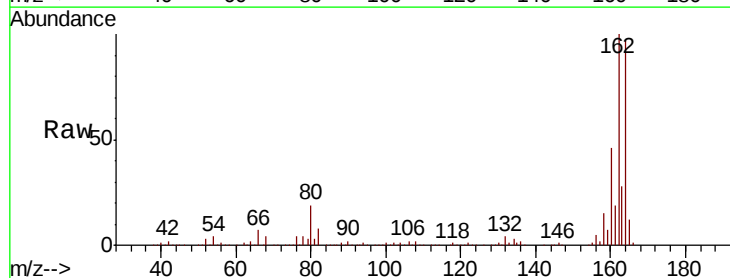
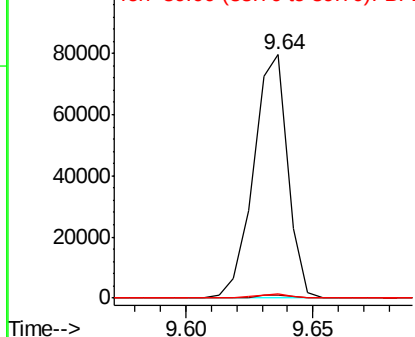


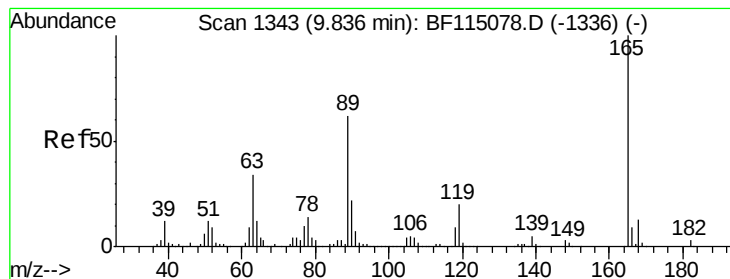
#51
2,6-Dinitrotoluene
Concen: 7.639 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Tgt Ion:165 Resp: 74862
Ion Ratio Lower Upper
165 100
63 1.0 39.4 59.2#
89 1.5 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: 5.917 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3

Tot Ion:165 Resp: 74862

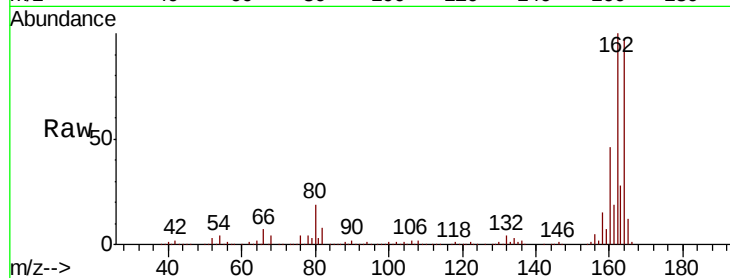
Ion Ratio Lower Upper

165 100

63 1.0 27.5 41.3#

89 1.5 49.9 74.9#

182 0.0 2.1 3.1#

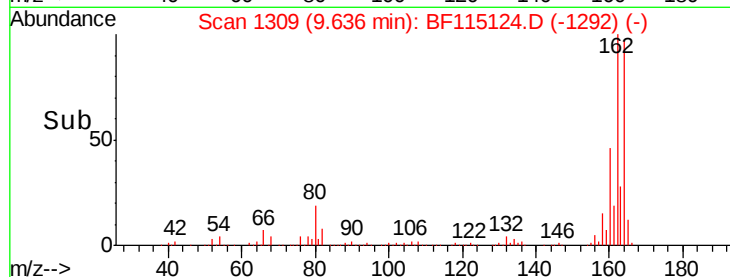


Abundance Ion 165.00 (164.70 to 165.70): E

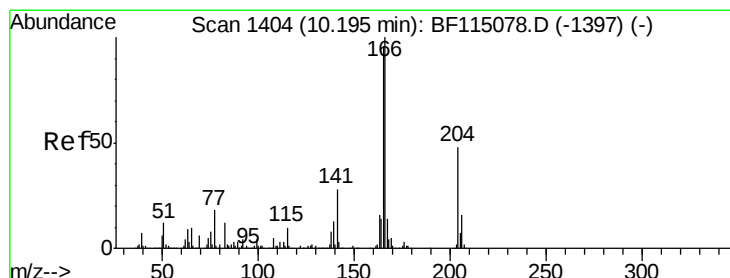
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 1442

Delta R.T. 0.22 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

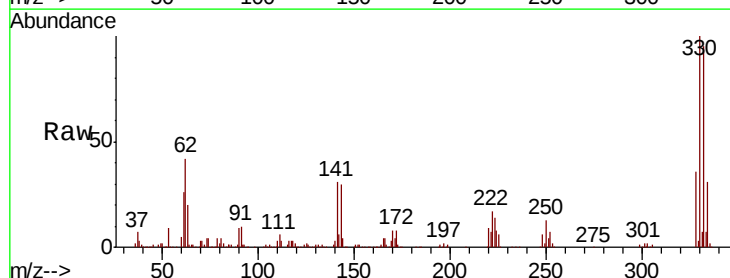
Tgt Ion:166 Resp: 31387

Ion Ratio Lower Upper

166 100

165 105.6 76.5 114.7

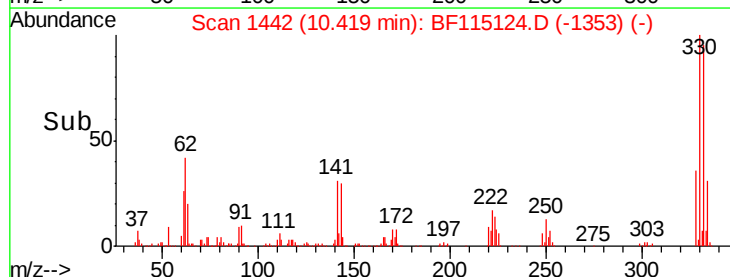
167 32.5 11.0 16.4#



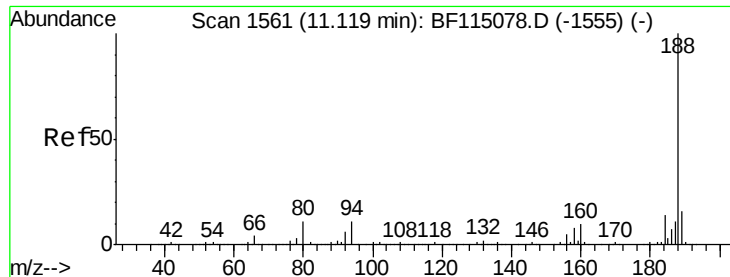
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



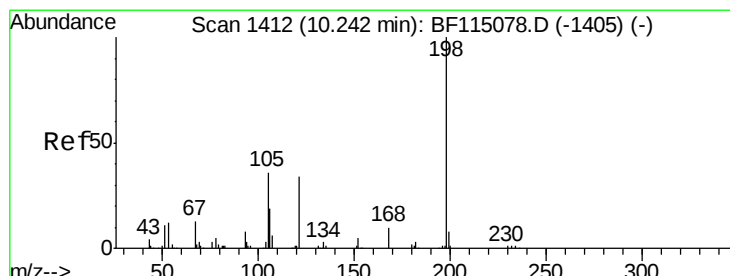
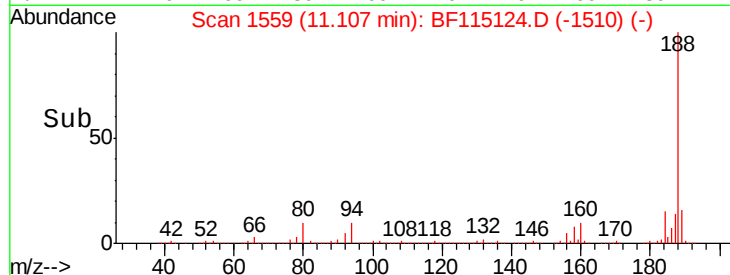
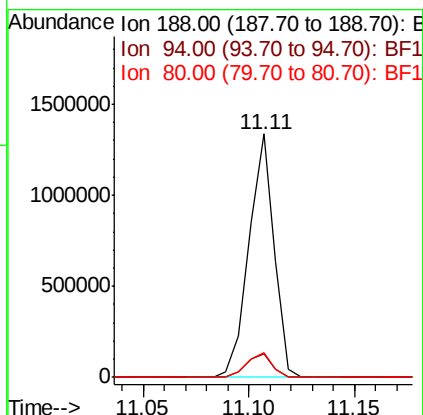
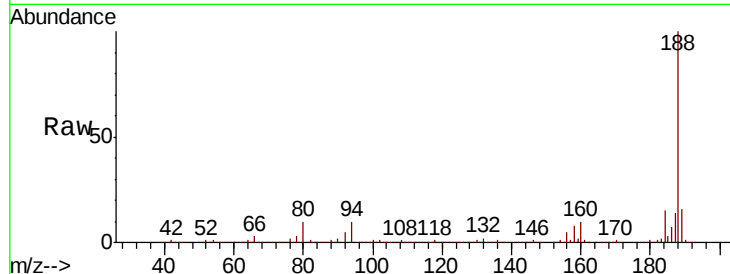
Time-->



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

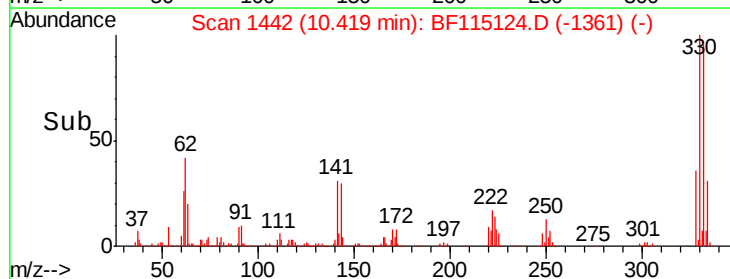
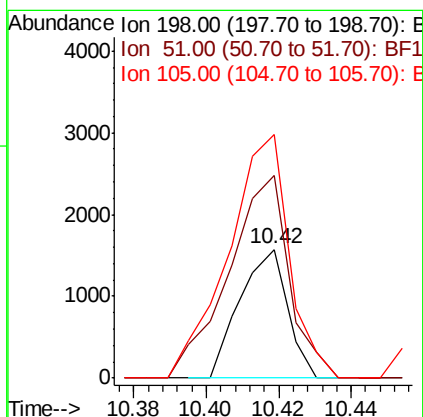
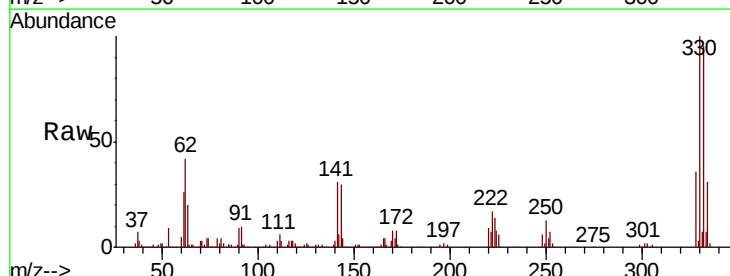
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

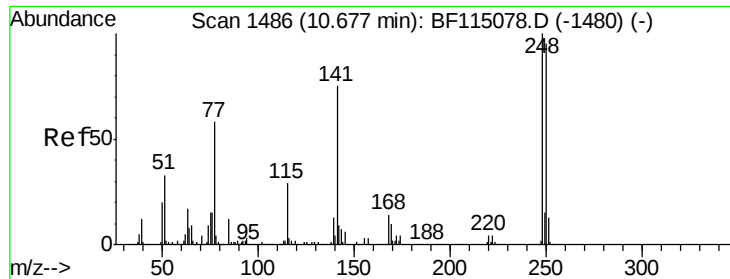
Tot Ion:188 Resp: 1108330
Ion Ratio Lower Upper
188 100
94 9.8 8.6 12.8
80 10.3 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.177 ng
RT: 10.42 min Scan# 1442
Delta R.T. 0.18 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Tgt Ion:198 Resp: 1430
Ion Ratio Lower Upper
198 100
51 156.8 11.0 51.0#
105 188.8 17.3 57.3#

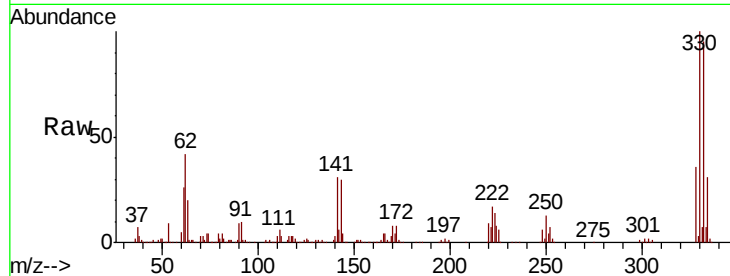




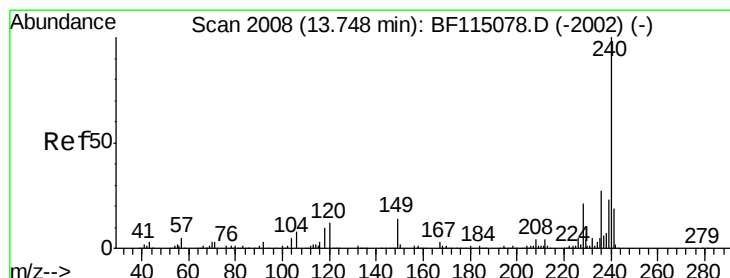
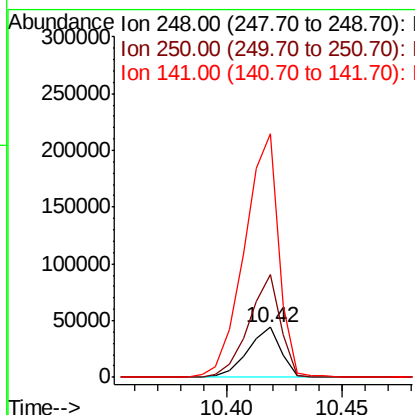
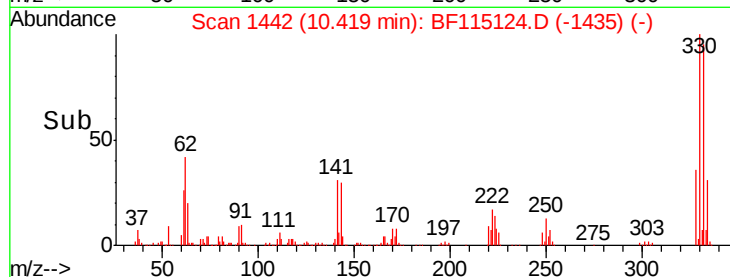
#67
4-Bromophenyl-phenylether
Concen: 3.663 ng
RT: 10.42 min Scan# 1442
Delta R.T. -0.26 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

Tot Ion:248 Resp: 44013
Ion Ratio Lower Upper
248 100
250 206.7 76.2 114.2#
141 486.9 59.6 89.4#

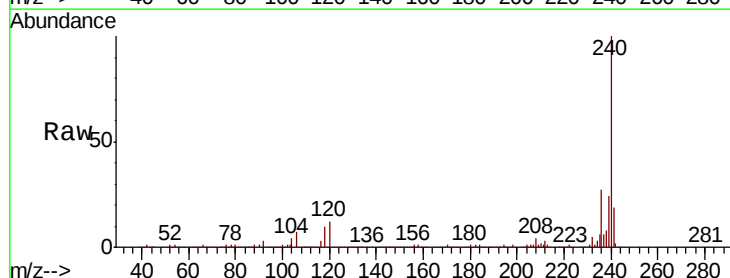


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

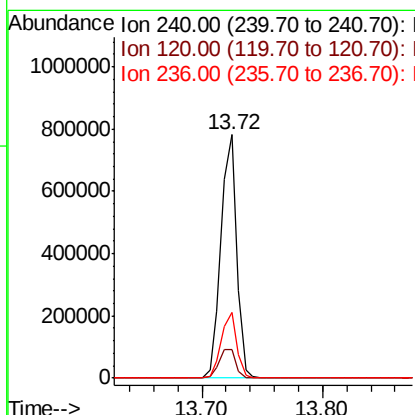
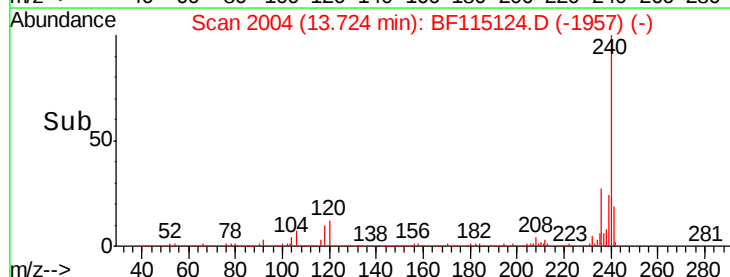


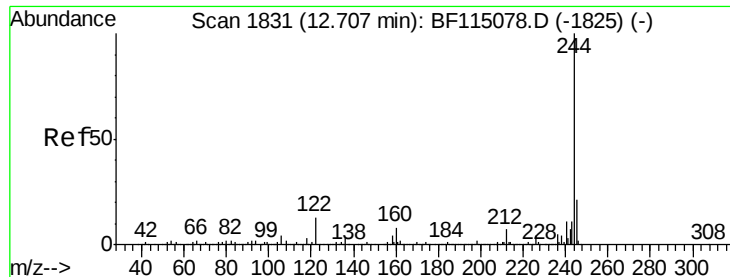
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF115124.D
Acq: 22 Jun 2019 16:50

Tgt Ion:240 Resp: 701735
Ion Ratio Lower Upper
240 100
120 11.8 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: 89.307 ng

RT: 12.70 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115124.D

Acq: 22 Jun 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3

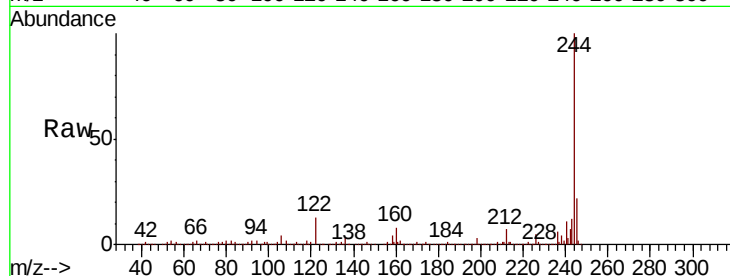
Tot Ion:244 Resp: 2947551

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

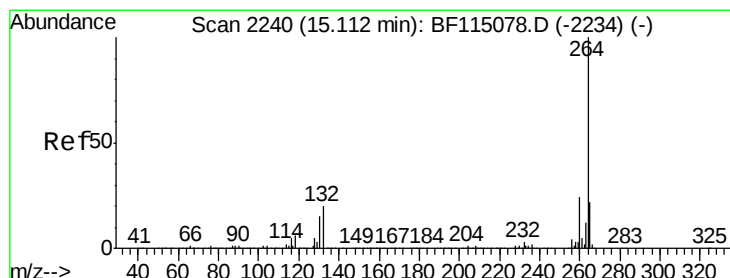
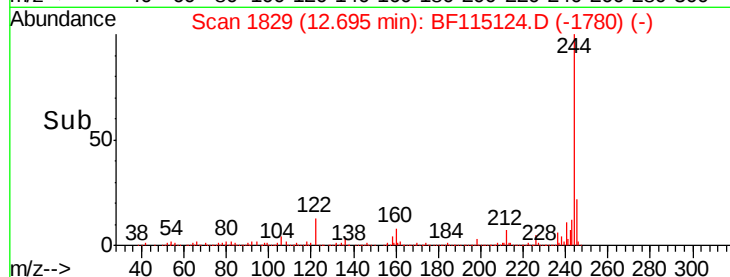
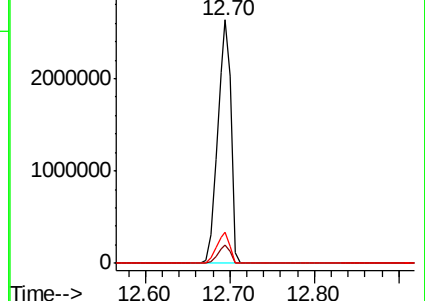
122 12.5 10.4 15.6



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: BF115124.D

Acq: 22 Jun 2019 16:50

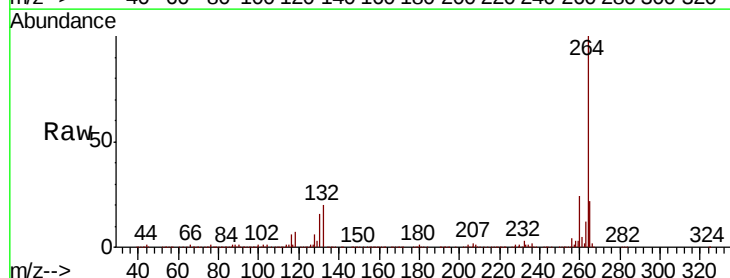
Tgt Ion:264 Resp: 659860

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

265 22.0 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

