

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116992.D
 Acq On : 12 Sep 2019 15:22
 Operator : HP/JU
 Sample : K4852-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 07:44:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

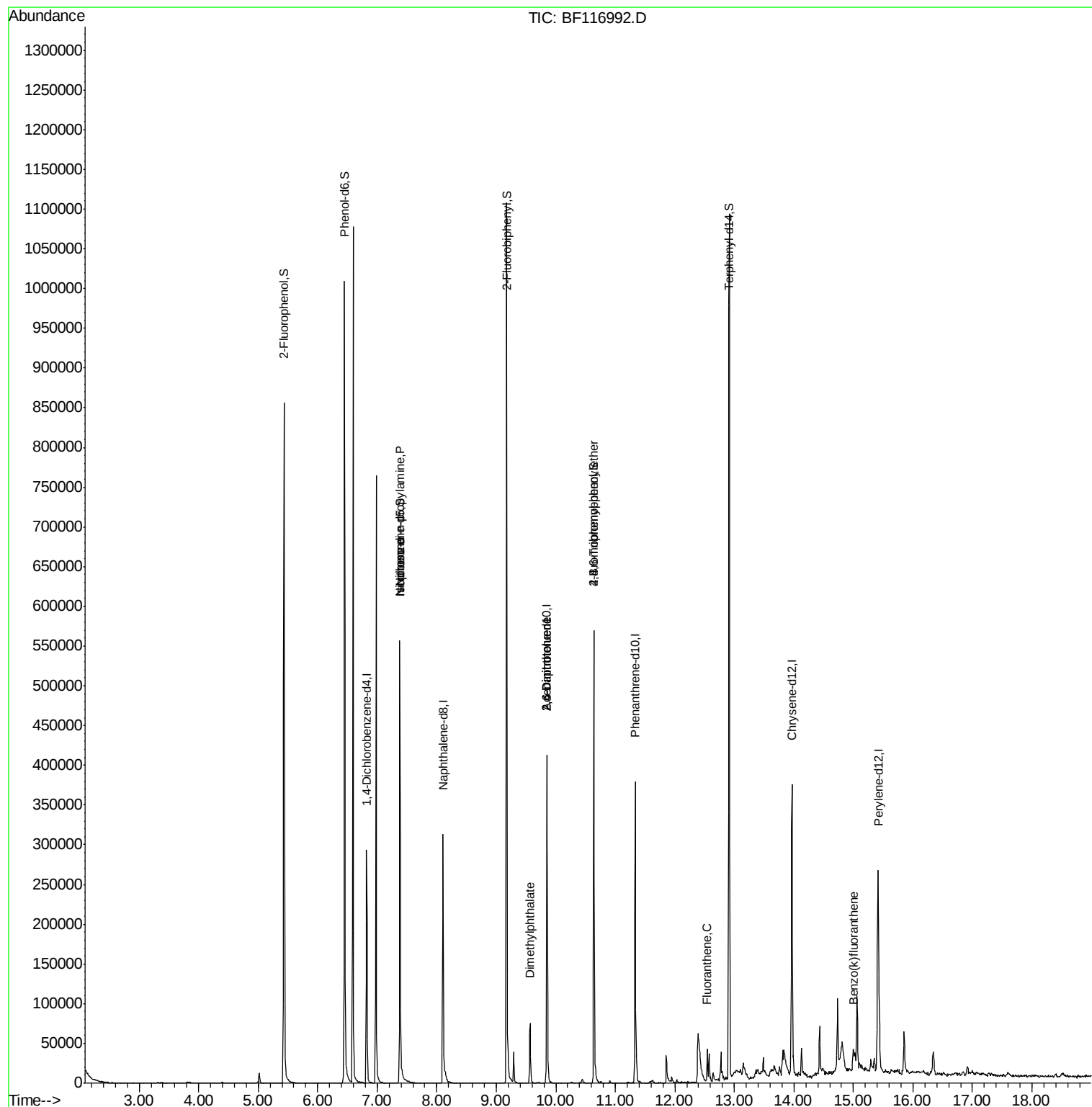
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	44567	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	180008	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	92150	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	149581	20.00	ng	0.00
76) Chrysene-d12	13.97	240	117878	20.00	ng	0.00
87) Perylene-d12	15.42	264	121257	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	248806	90.44	ng	0.00
7) Phenol-d6	6.45	99	346547	95.94	ng	-0.01
23) Nitrobenzene-d5	7.38	82	205191	65.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	70505	114.45	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	347286	63.57	ng	0.00
79) Terphenyl-d14	12.92	244	345531	54.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	26094	10.971	ng	# 77
25) Isophorone	7.38	82	205189	32.114	ng	# 66
50) Dimethylphthalate	9.57	163	39338	6.183	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	11214	9.239	ng	# 26
57) 2,4-Dinitrotoluene	9.85	165	11214	7.556	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	4521	2.975	ng	# 1
75) Fluoranthene	12.54	202	17082	2.087	ng	# 94
89) Benzo(k)fluoranthene	15.00	252	13431	2.009	ng	# 73

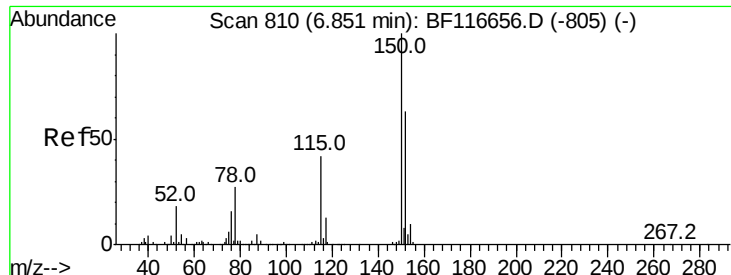
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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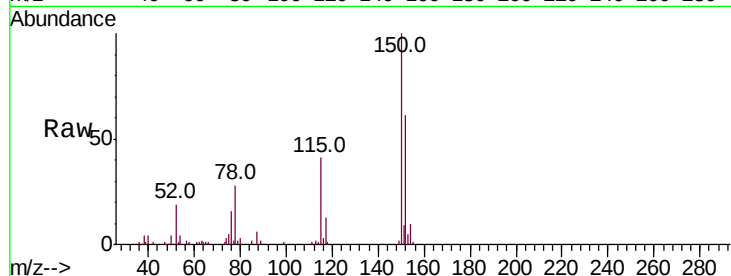


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116992.D
Acq: 12 Sep 2019 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	126.2	189.2
115	67.0	50.2	75.2

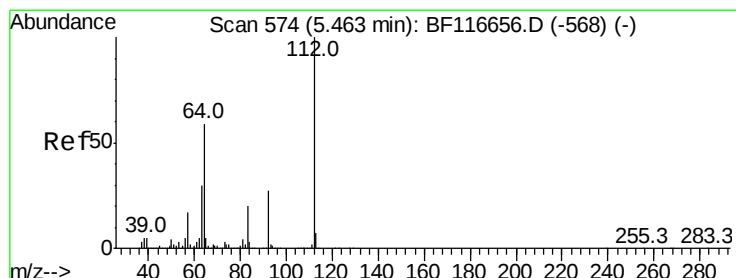
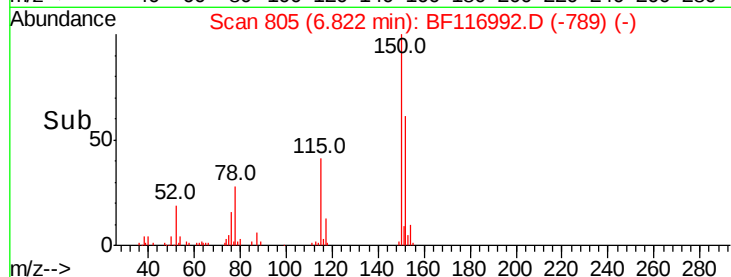
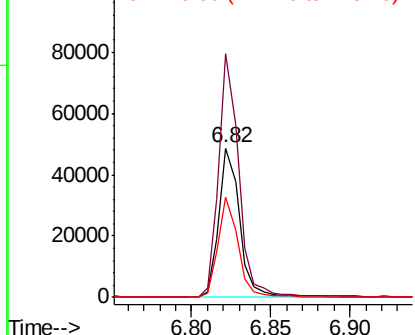


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

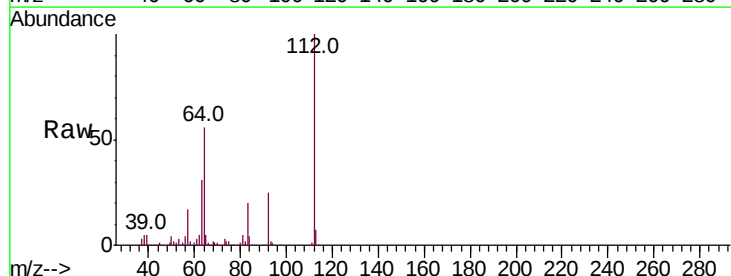
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.444 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116992.D
Acq: 12 Sep 2019 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.1	70.7
63	30.6	25.4	38.0

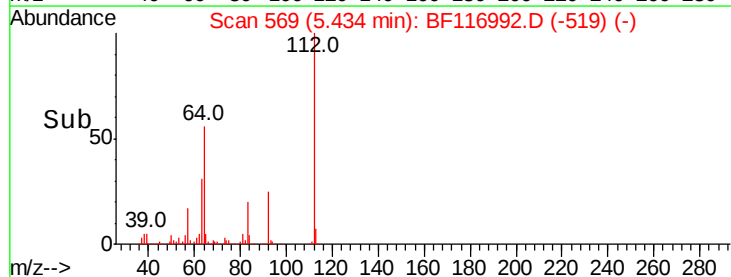
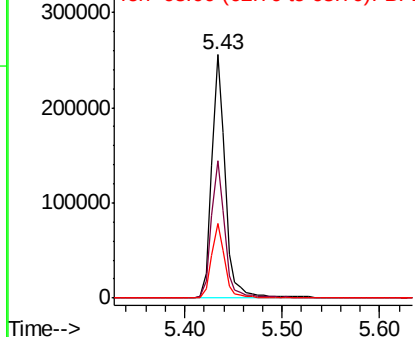


Abundance

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: 95.935 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

Instrument :

BNA_F

ClientSampleId :

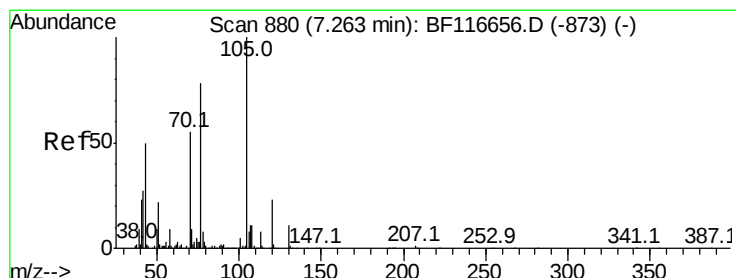
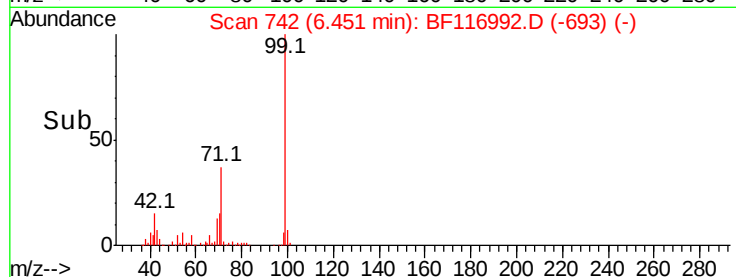
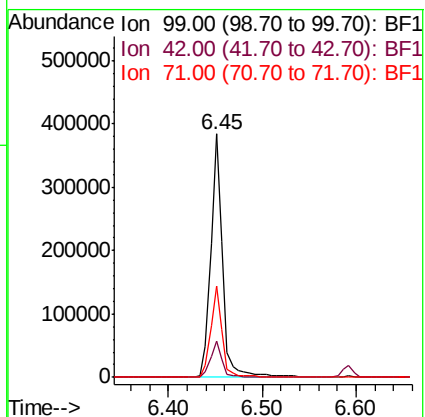
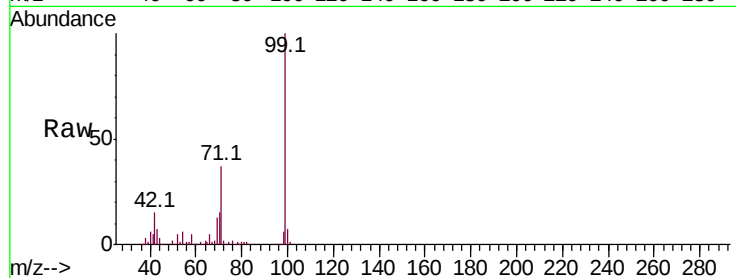
Tot Ion: 99 Resp: 346547

Ion Ratio Lower Upper

99 100

42 14.8 12.0 18.0

71 37.2 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.971 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

Tgt Ion: 70 Resp: 26094

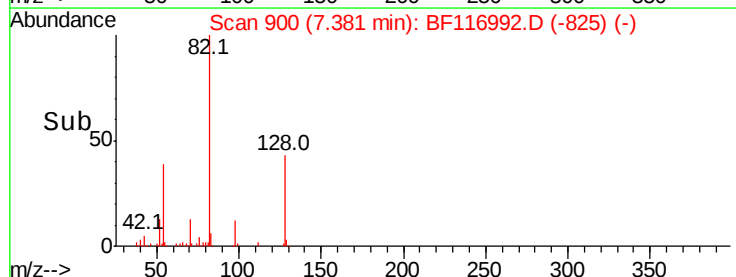
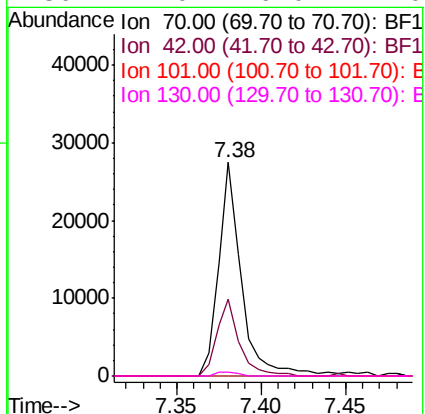
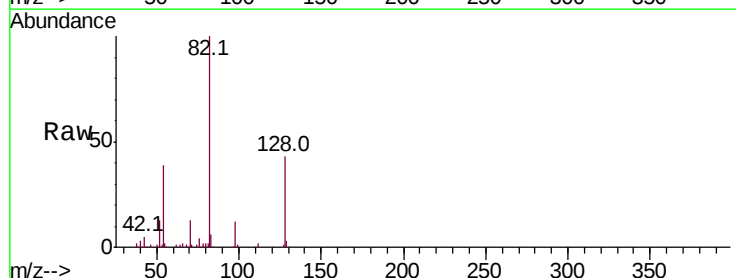
Ion Ratio Lower Upper

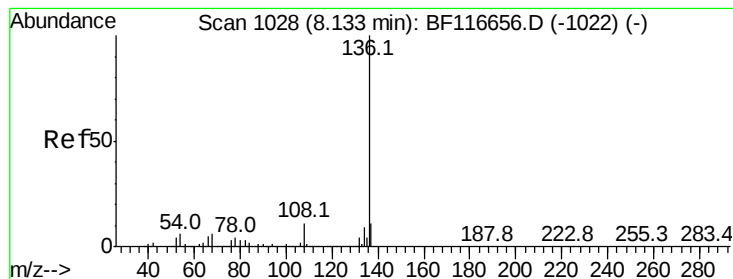
70 100

42 36.3 37.0 55.4#

101 0.0 7.4 11.2#

130 2.0 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 180008

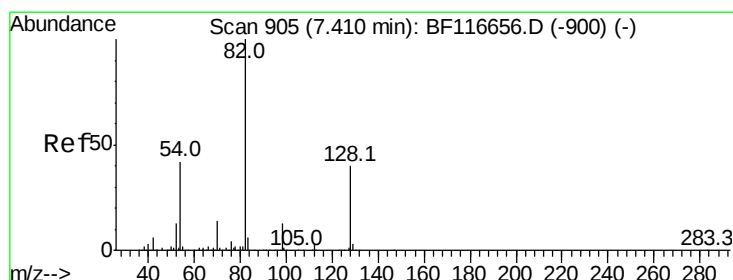
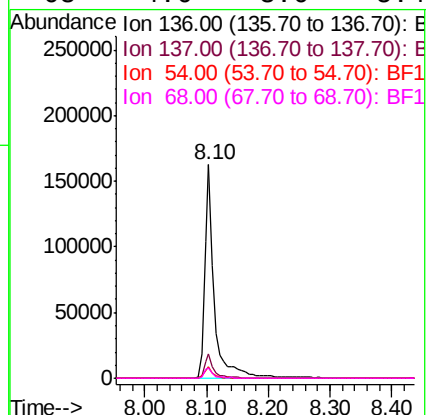
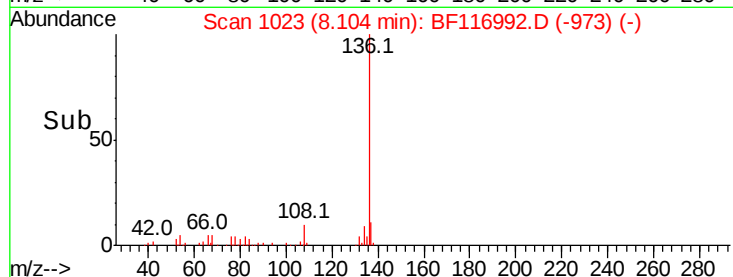
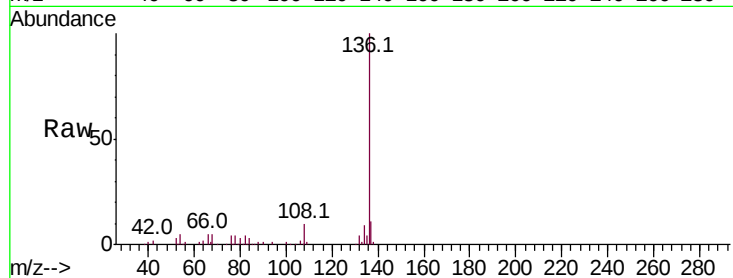
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 5.4 3.8 5.8

68 4.6 3.6 5.4



#23

Nitrobenzene-d5

Concen: 65.074 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

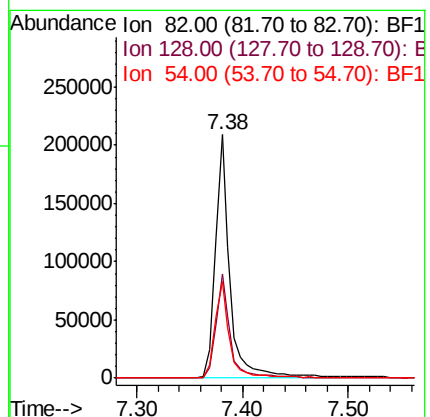
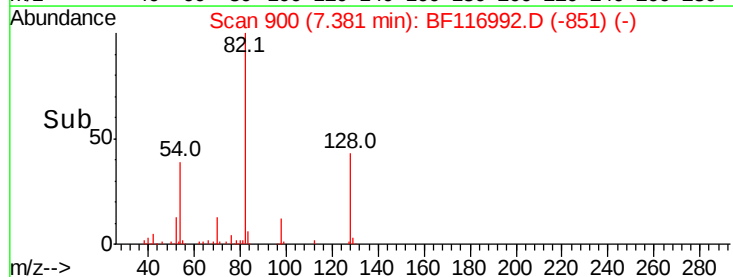
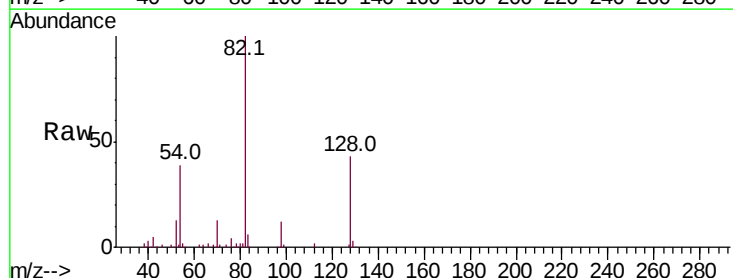
Tgt Ion: 82 Resp: 205191

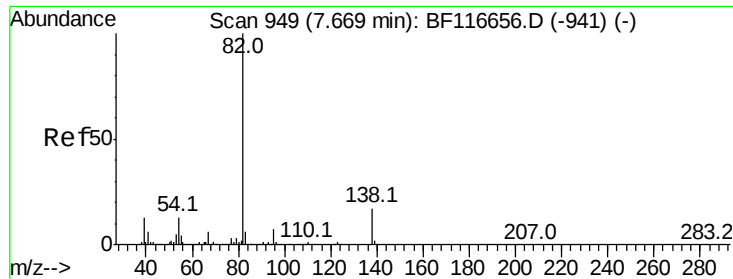
Ion Ratio Lower Upper

82 100

128 42.6 35.0 52.4

54 39.5 32.6 48.8





#25

Isophorone

Concen: 32.114 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

Instrument :

BNA_F

ClientSampleId :

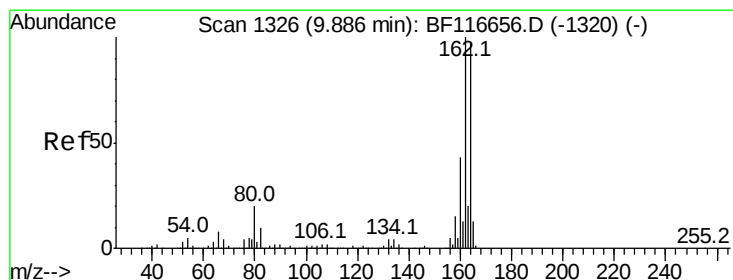
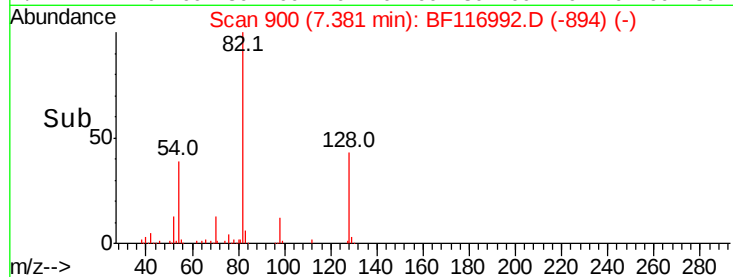
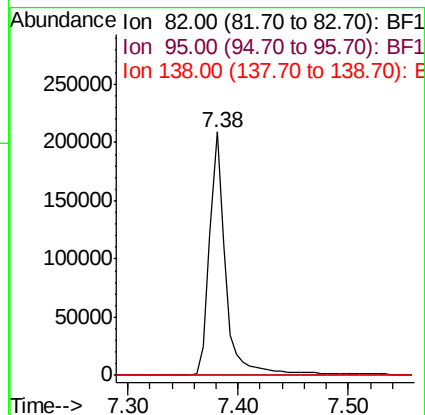
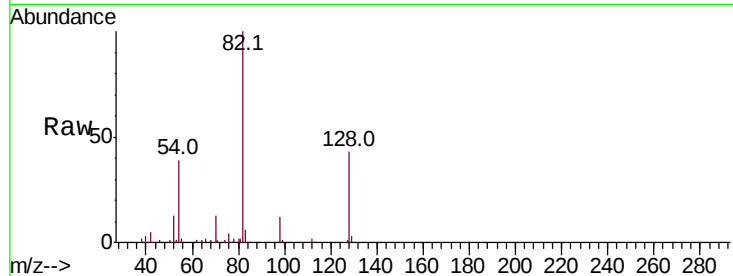
Tot Ion: 82 Resp: 205189

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

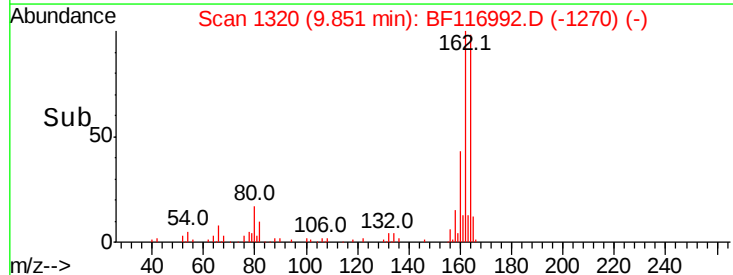
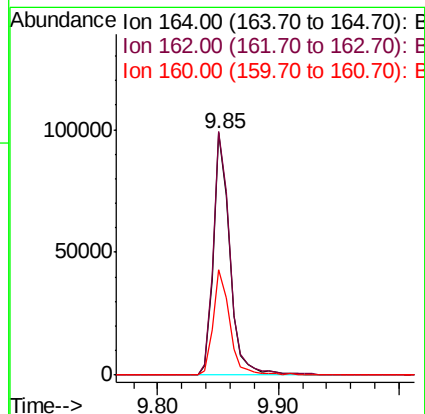
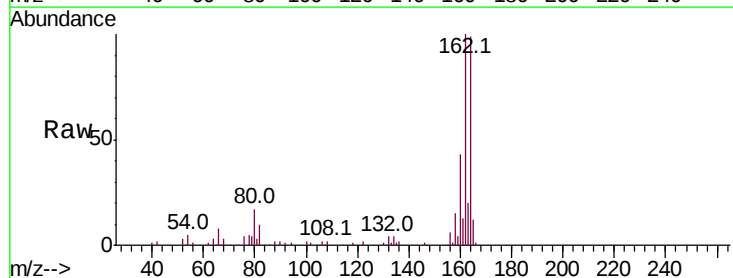
Tgt Ion: 164 Resp: 92150

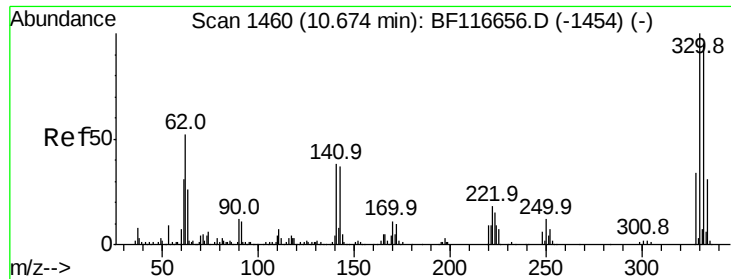
Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

160 43.7 35.7 53.5

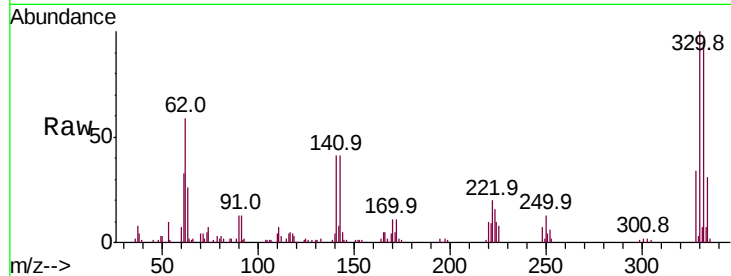




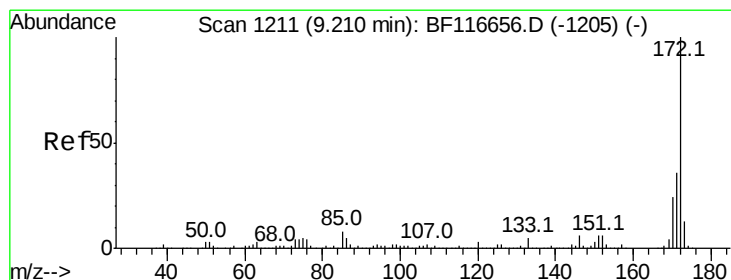
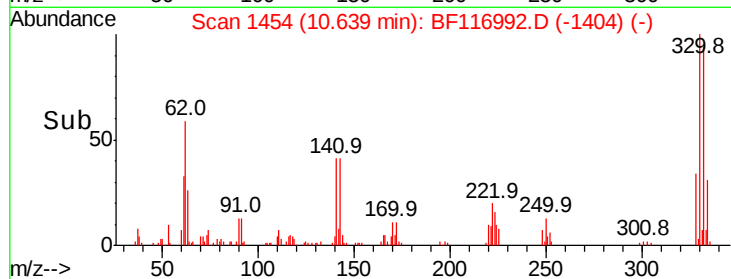
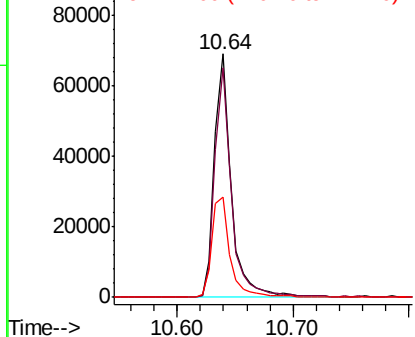
#42
 2,4,6-Tribromophenol
 Concen: 114.448 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF116992.D
 Acq: 12 Sep 2019 15:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	75.9	113.9
141	44.3	35.6	53.4

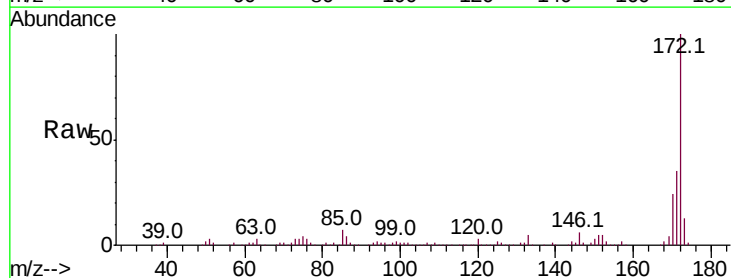


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

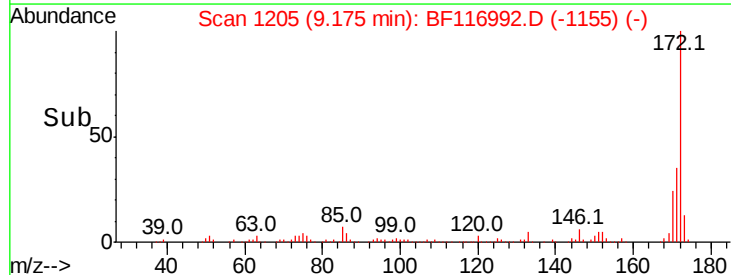
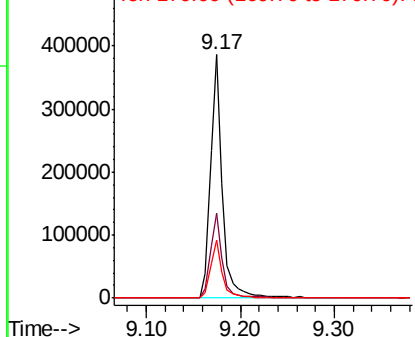


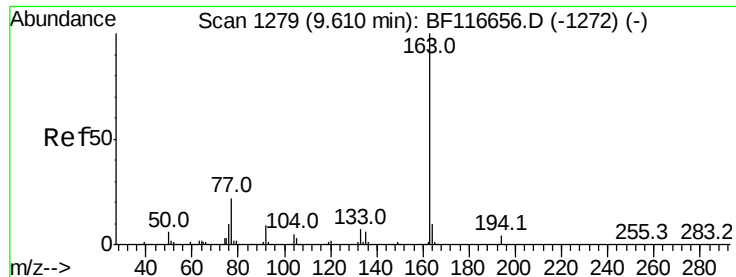
#45
 2-Fluorobiphenyl
 Concen: 63.574 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF116992.D
 Acq: 12 Sep 2019 15:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.1	43.7
170	23.8	19.2	28.8



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: 6.183 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

Instrument :

BNA_F

ClientSampleId :

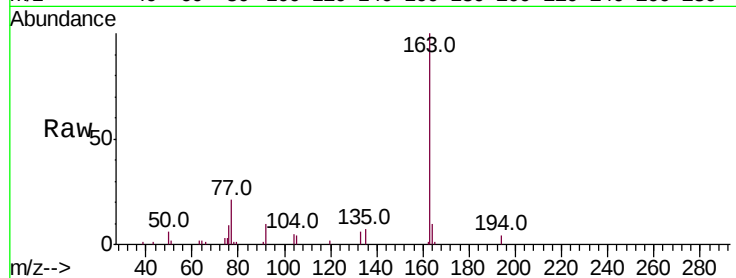
Tot Ion:163 Resp: 39338

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

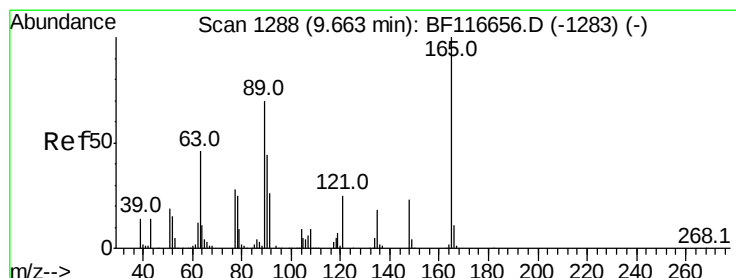
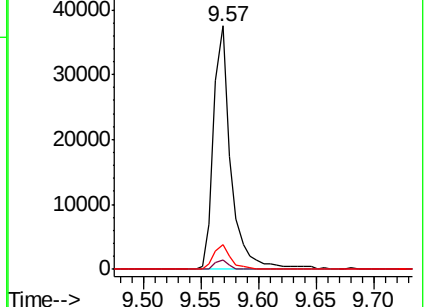
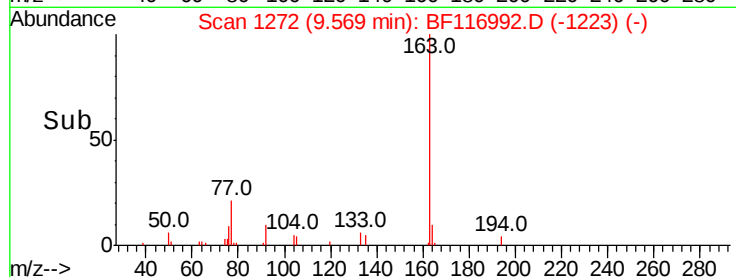
164 10.0 8.2 12.4



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: 9.239 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

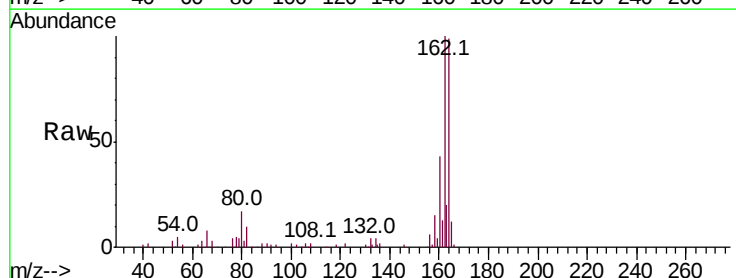
Tgt Ion:165 Resp: 11214

Ion Ratio Lower Upper

165 100

63 0.0 38.0 57.0#

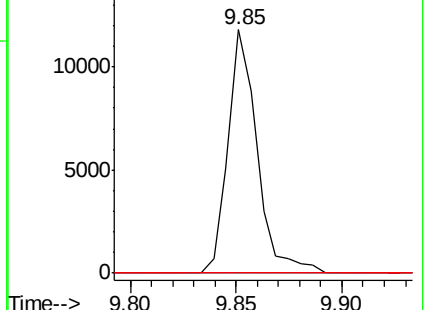
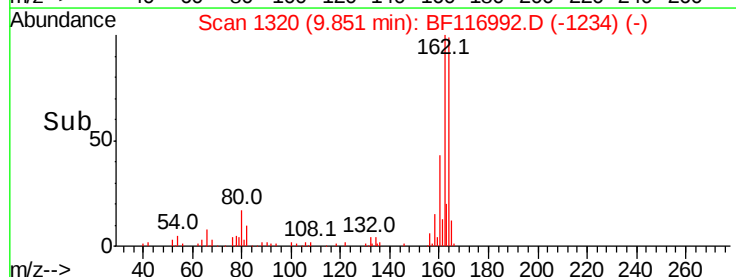
89 0.0 44.1 66.1#

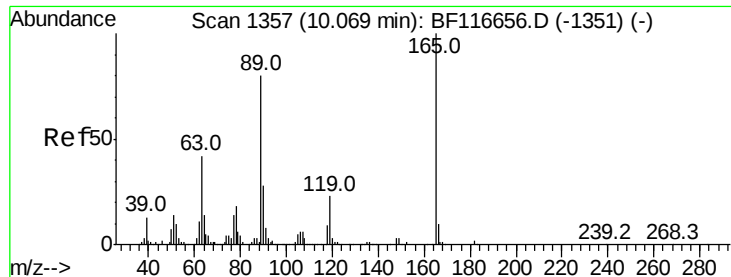


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

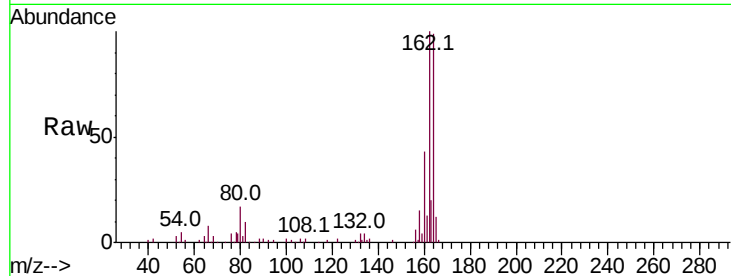




#57
 2,4-Dinitrotoluene
 Concen: 7.556 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF116992.D
 Acq: 12 Sep 2019 15:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.2#
89	0.0	66.1	99.1#
182	0.0	1.8	2.8#

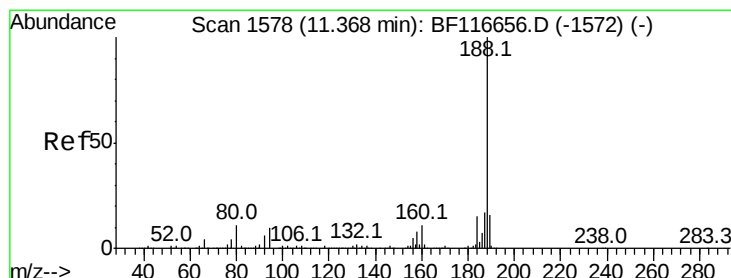
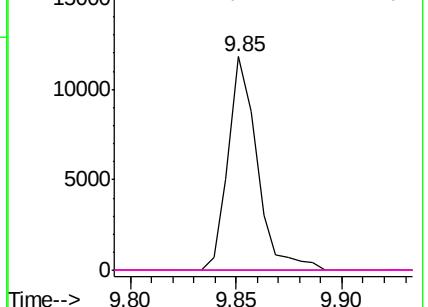
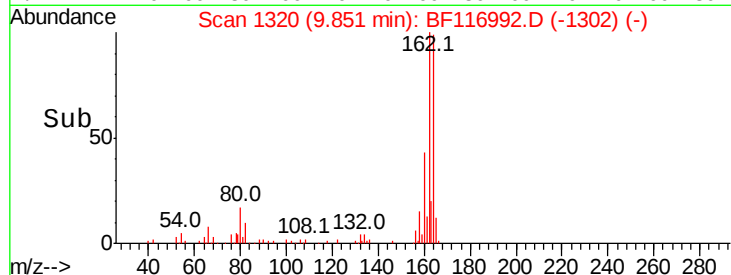


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

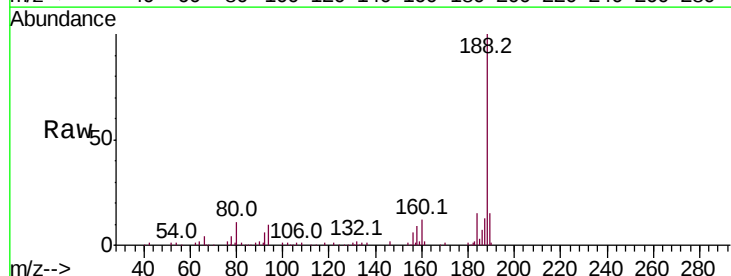
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF116992.D
 Acq: 12 Sep 2019 15:22

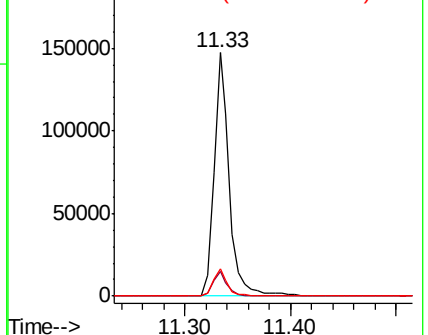
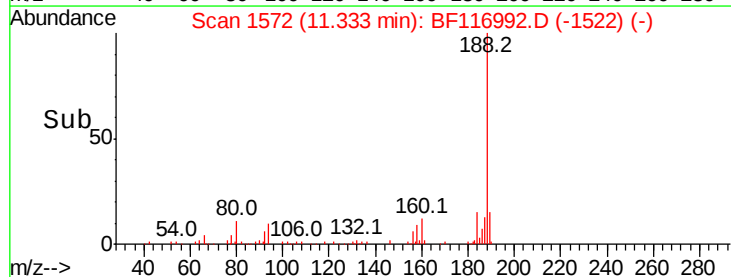
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	11.1	8.5	12.7

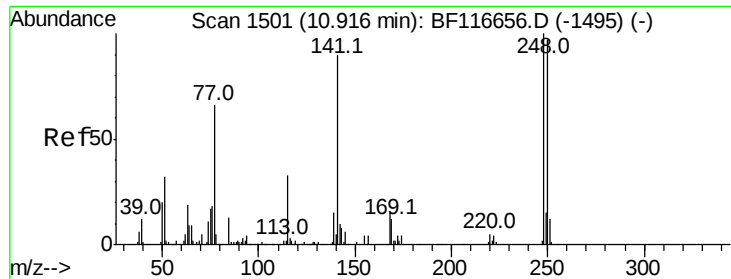


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

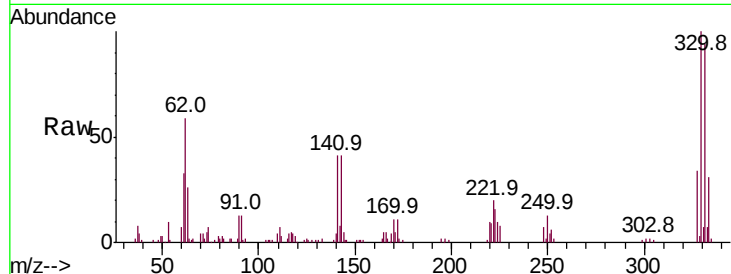




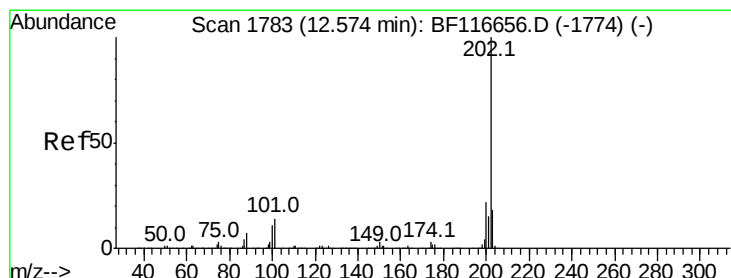
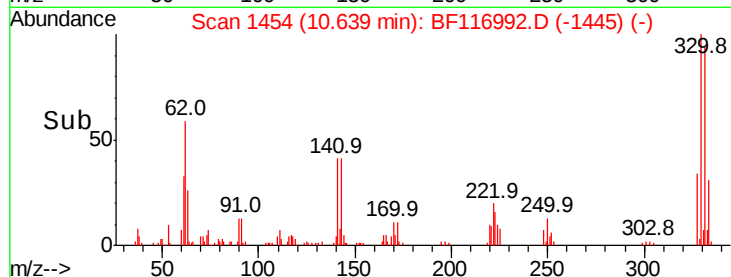
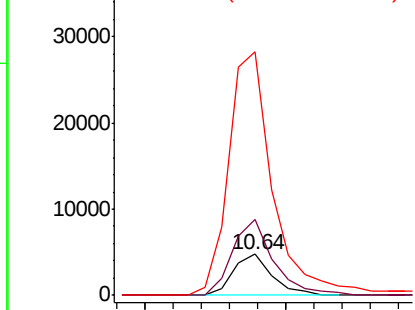
#67
4-Bromophenyl-phenylether
Concen: 2.975 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF116992.D
Acq: 12 Sep 2019 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 4521
Ion Ratio Lower Upper
248 100
250 184.6 77.0 115.4#
141 591.8 70.2 105.2#

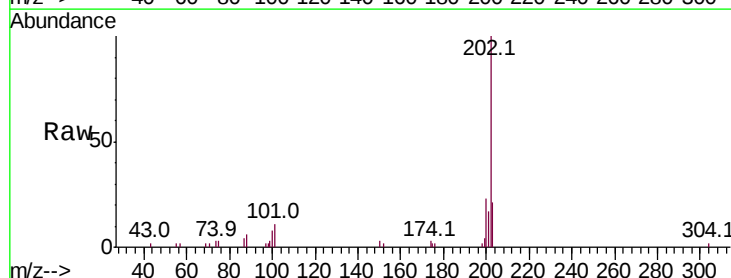


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

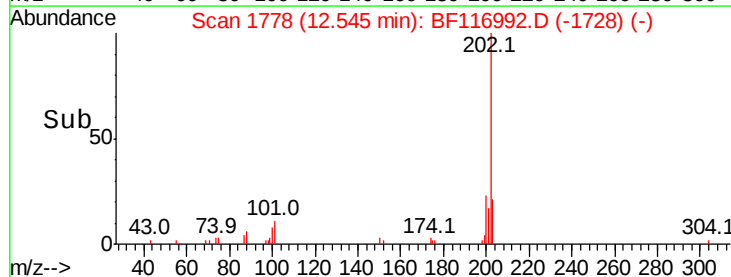
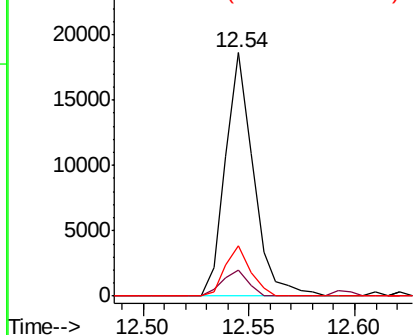


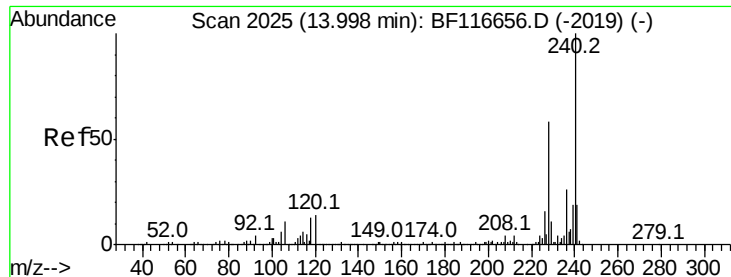
#75
Fluoranthene
Concen: 2.087 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF116992.D
Acq: 12 Sep 2019 15:22

Tgt Ion:202 Resp: 17082
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.0
203 20.7 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

Instrument :

BNA_F

ClientSampleId :

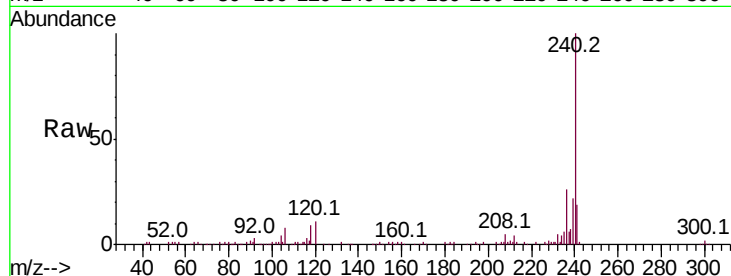
Tot Ion:240 Resp: 117878

Ion Ratio Lower Upper

240 100

120 10.7 9.1 13.7

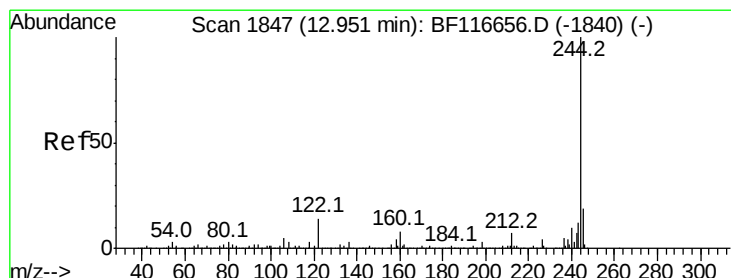
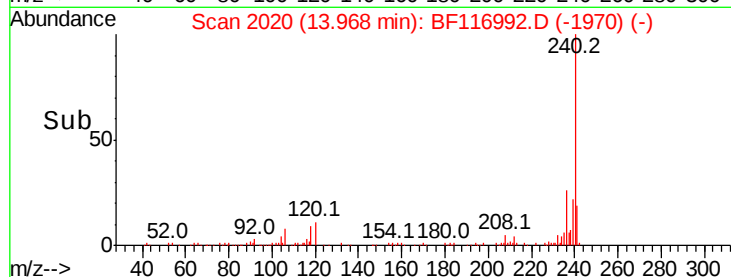
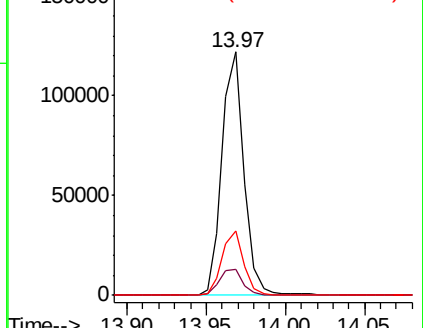
236 26.2 20.9 31.3



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: 54.227 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF116992.D

Acq: 12 Sep 2019 15:22

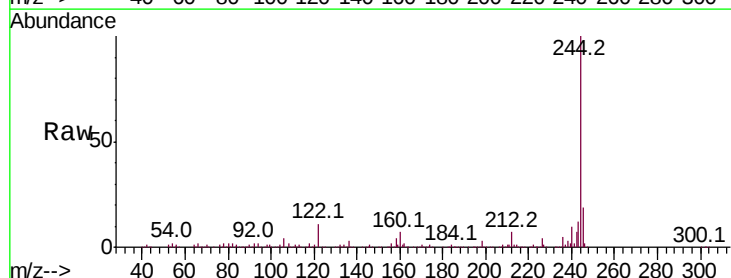
Tgt Ion:244 Resp: 345531

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

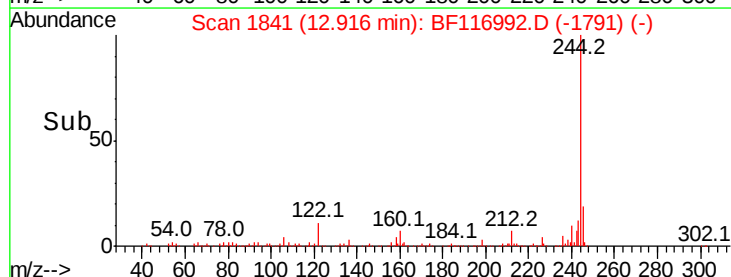
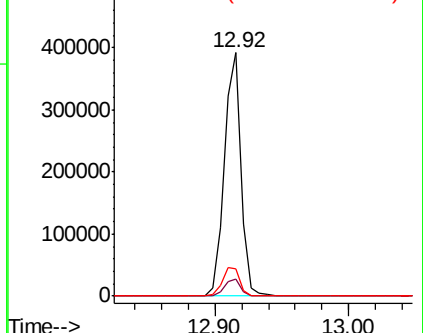
122 11.0 11.5 17.3#

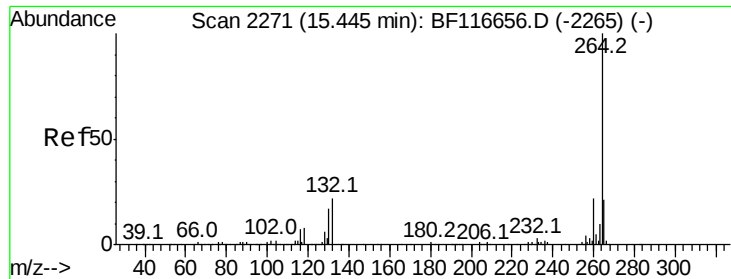


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

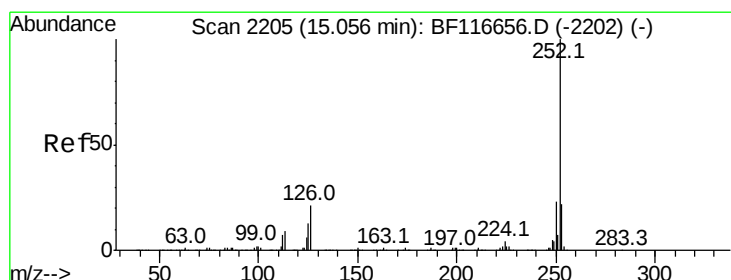
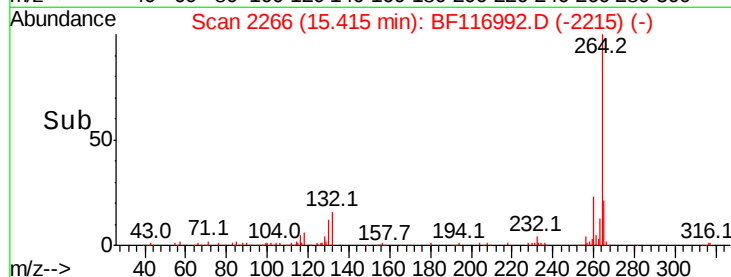
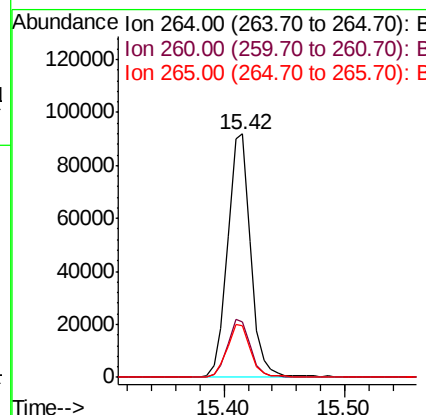
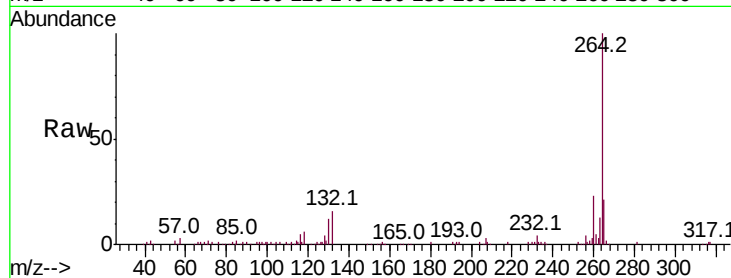




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF116992.D
Acq: 12 Sep 2019 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 121257
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.4
265 21.4 17.9 26.9



#89
Benzo(k)fluoranthene
Concen: 2.009 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF116992.D
Acq: 12 Sep 2019 15:22

Tgt Ion:252 Resp: 13431
Ion Ratio Lower Upper
252 100
253 27.7 16.8 25.2#
125 29.4 7.6 11.4#

