

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116936.D
 Acq On : 10 Sep 2019 22:01
 Operator : HP/JU
 Sample : K4789-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 01:02:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

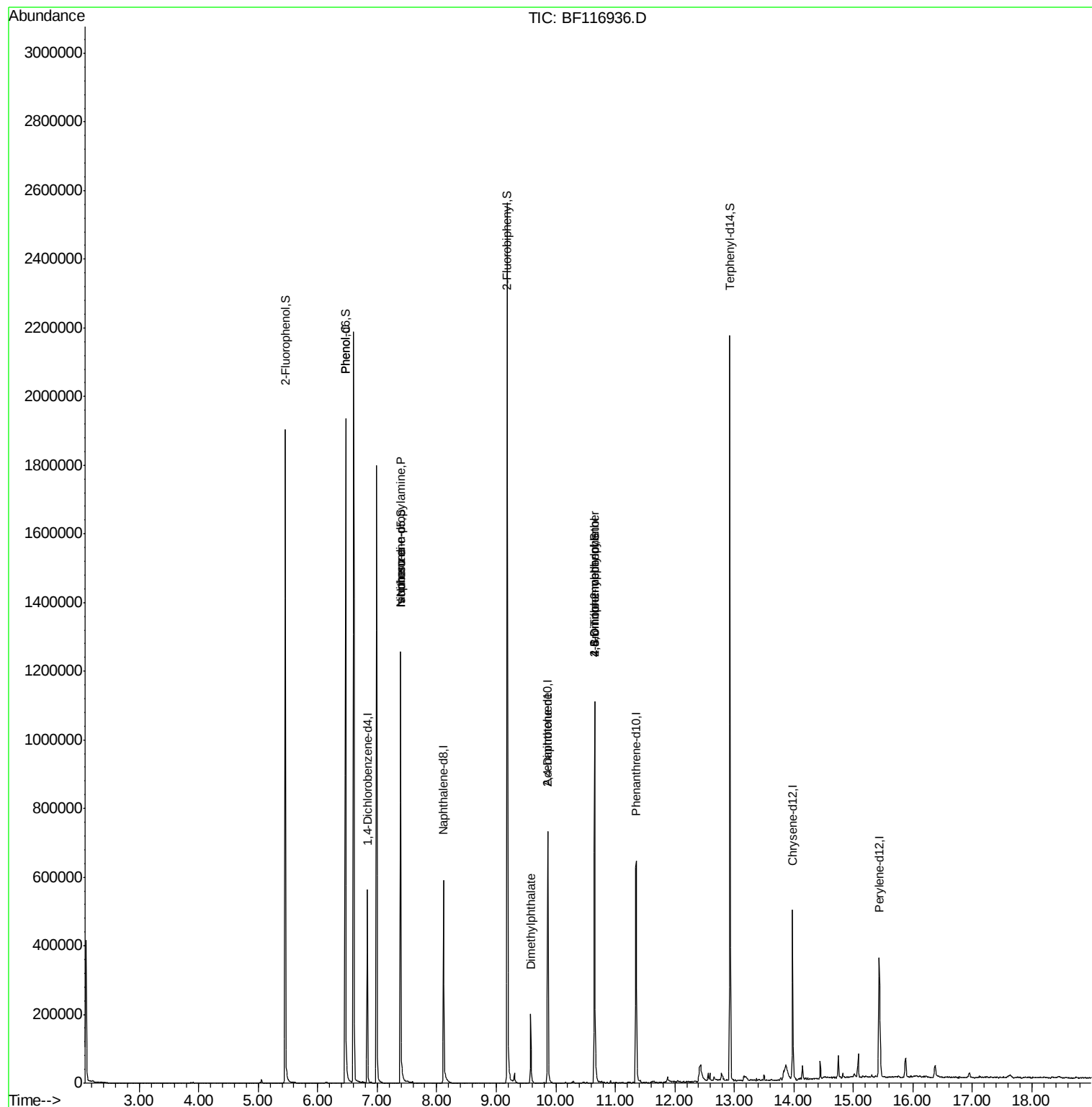
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	82334	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	328295	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	167645	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	277313	20.00	ng	0.00
76) Chrysene-d12	13.98	240	162785	20.00	ng	0.00
87) Perylene-d12	15.43	264	171490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	532071	104.69	ng	0.00
7) Phenol-d6	6.47	99	728828	109.21	ng	0.00
23) Nitrobenzene-d5	7.39	82	458514	79.73	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	126239	112.64	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	804027	80.90	ng	0.00
79) Terphenyl-d14	12.93	244	746403	84.82	ng	0.00
Target Compounds						
10) Phenol	6.47	94	18119	2.452	ng	# 61
19) n-Nitroso-di-n-propylamine	7.39	70	60299	13.723	ng	# 73
25) Isophorone	7.39	82	458511	39.347	ng	# 66
50) Dimethylphthalate	9.58	163	98648	8.523	ng	100
57) 2,4-Dinitrotoluene	9.86	165	21507	7.965	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.65	198	235	7.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	8430	2.992	ng	# 1

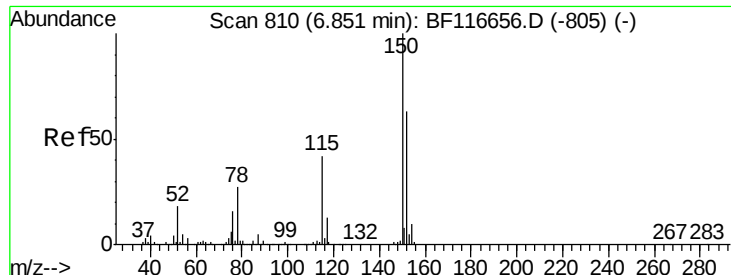
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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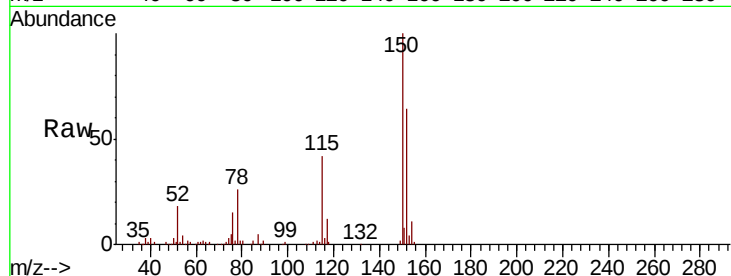


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.4	186.6
115	66.1	49.9	74.9

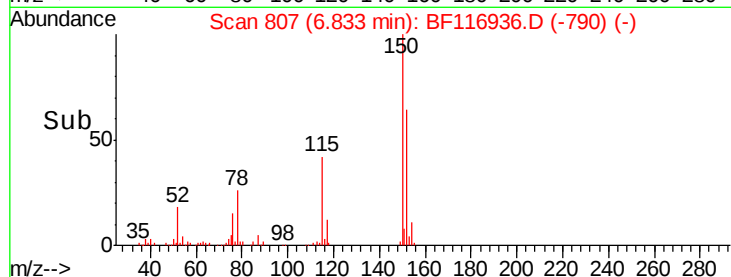
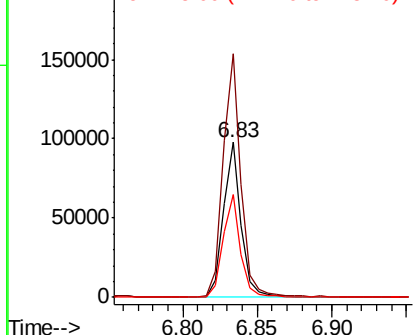


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

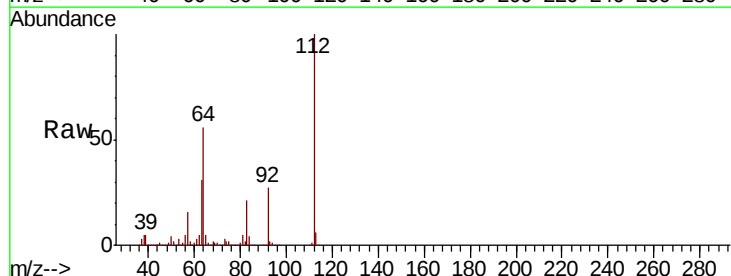
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.694 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.1	70.7
63	30.6	24.9	37.3

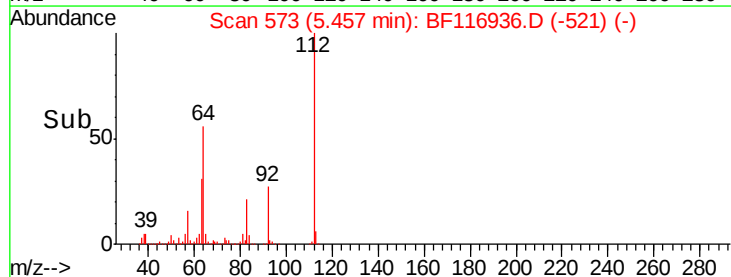
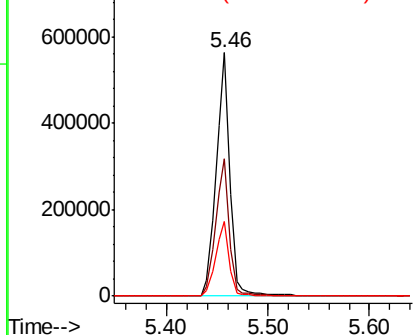


Abundance

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: 109.213 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116936.D

Acq: 10 Sep 2019 22:01

Instrument :

BNA_F

ClientSampled :

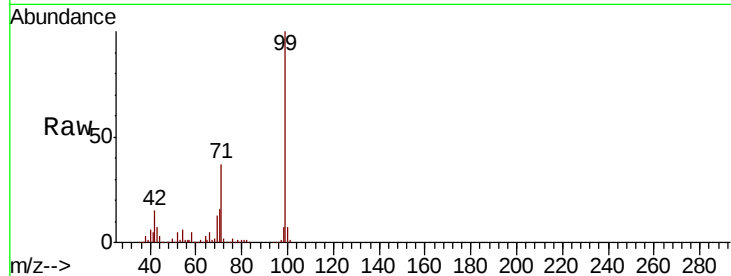
Tot Ion: 99 Resp: 728828

Ion Ratio Lower Upper

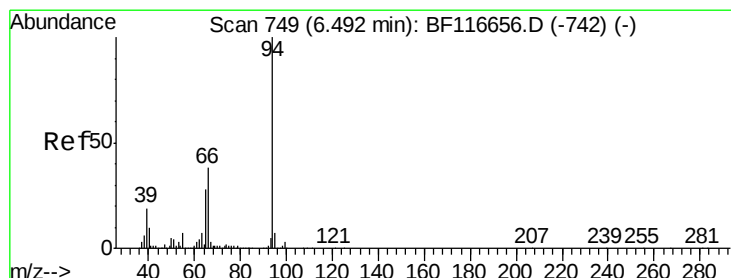
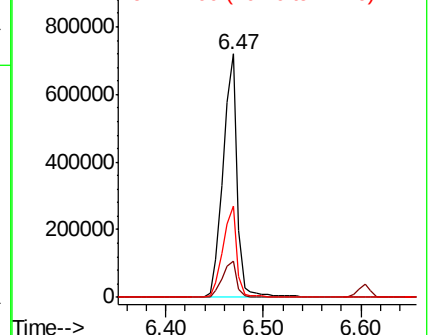
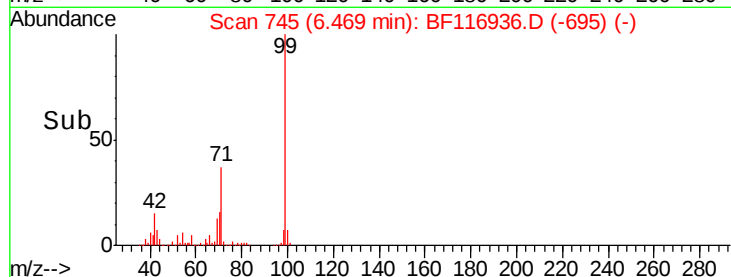
99 100

42 15.0 13.7 20.5

71 37.3 30.8 46.2



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



#10

Phenol

Concen: 2.452 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116936.D

Acq: 10 Sep 2019 22:01

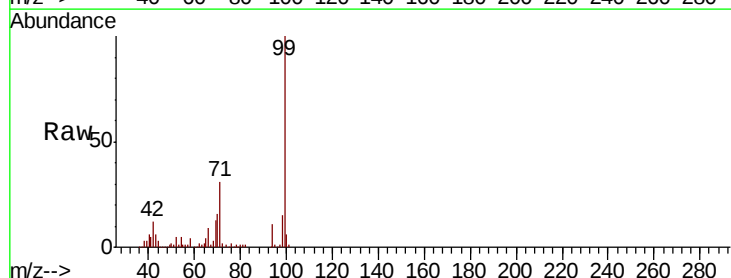
Tgt Ion: 94 Resp: 18119

Ion Ratio Lower Upper

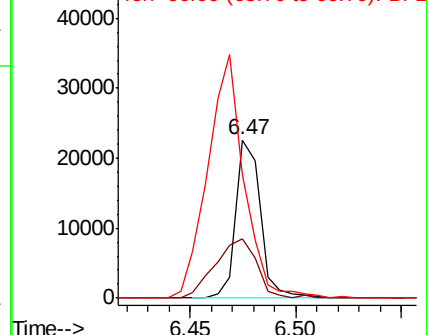
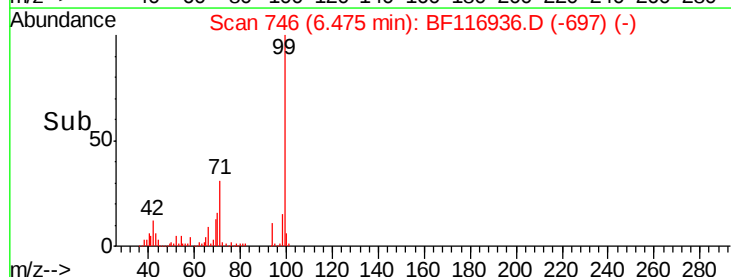
94 100

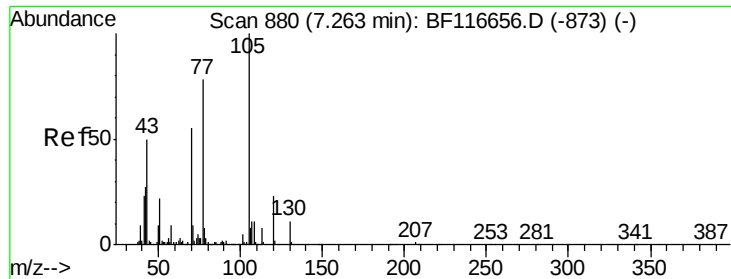
65 37.8 10.8 50.8

66 77.7 21.1 61.1#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

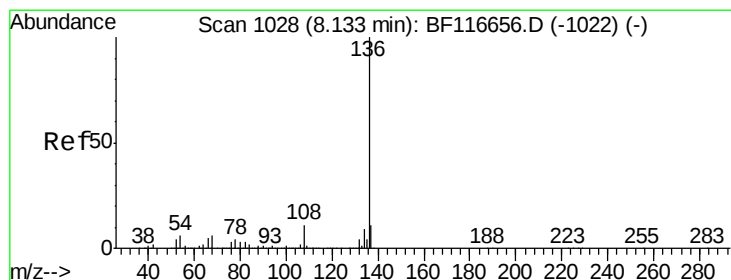
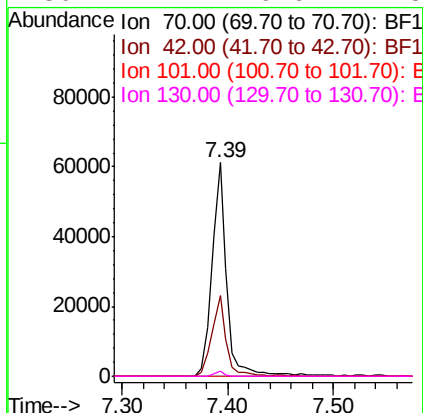
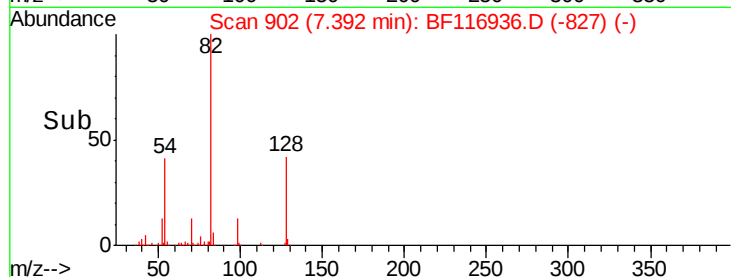
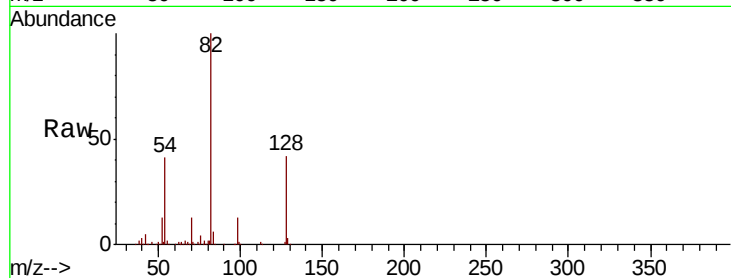




#19
n-Nitroso-di-n-propylamine
Concen: 13.723 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.14 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

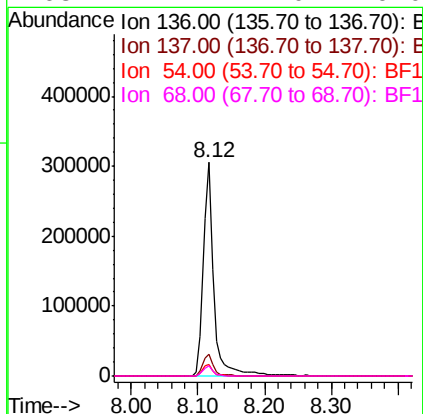
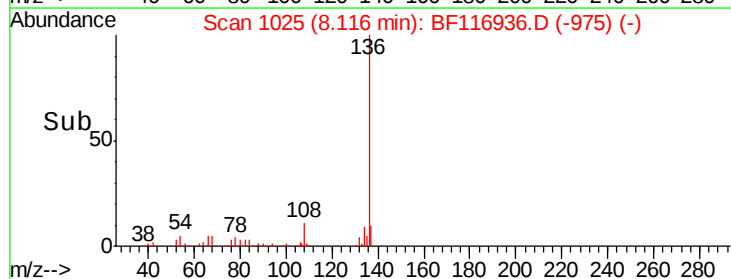
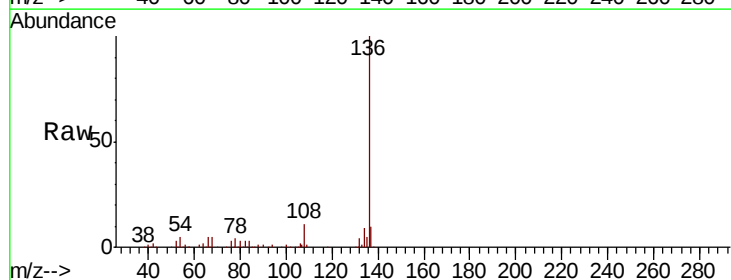
Instrument :
BNA_F
ClientSampleId :

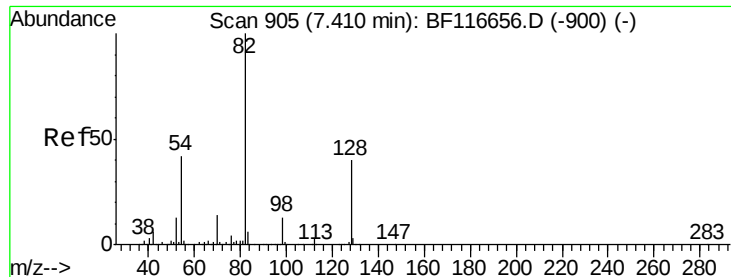
Tot Ion:	70	Resp:	60299
Ion	Ratio	Lower	Upper
70	100		
42	37.9	43.5	65.3#
101	0.0	7.8	11.6#
130	2.1	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Tgt Ion:	136	Resp:	328295
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	5.2	4.8	7.2
68	4.7	4.0	6.0

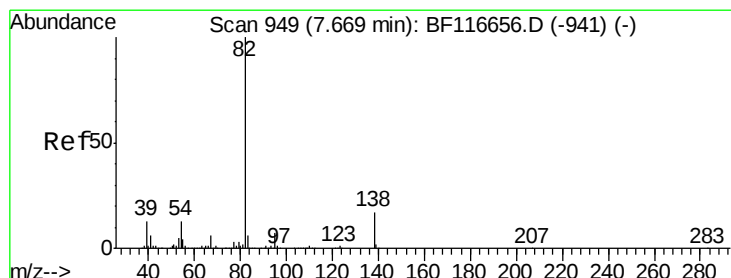
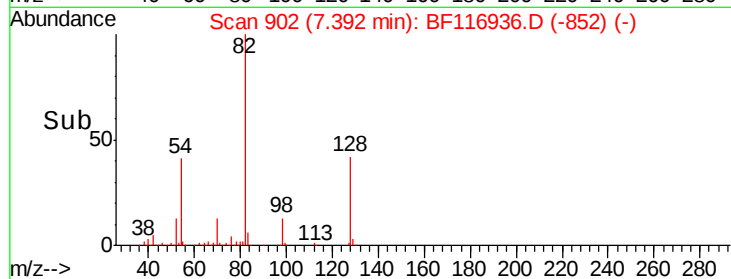
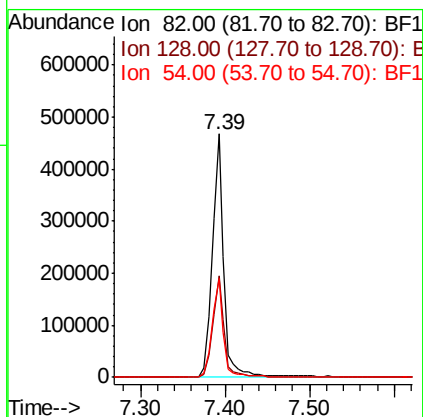
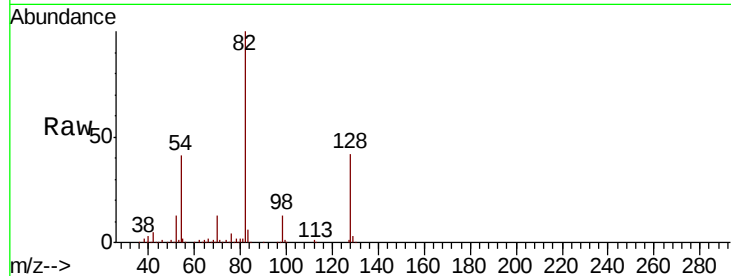




#23
 Nitrobenzene-d5
 Concen: 79.731 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF116936.D
 Acq: 10 Sep 2019 22:01

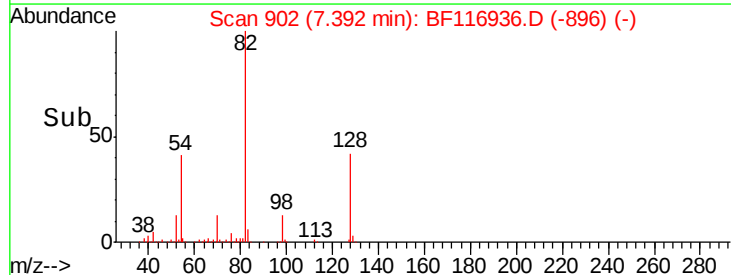
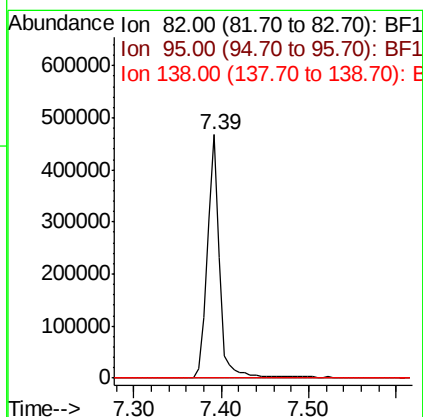
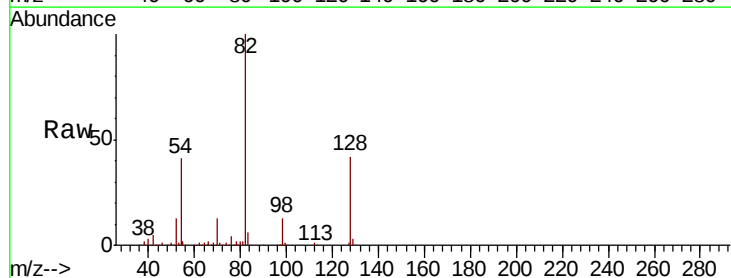
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	458514
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.8	49.2
54	40.7	36.9	55.3



#25
 Isophorone
 Concen: 39.347 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.26 min
 Lab File: BF116936.D
 Acq: 10 Sep 2019 22:01

Tgt Ion	82	Resp	458511
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

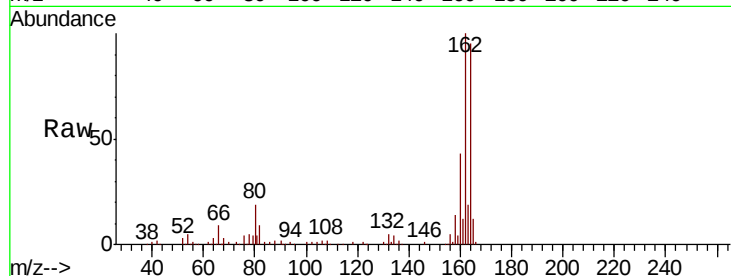




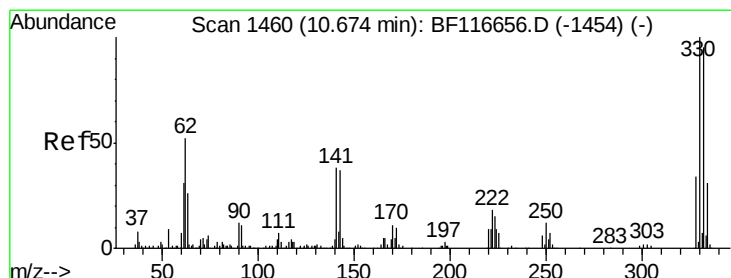
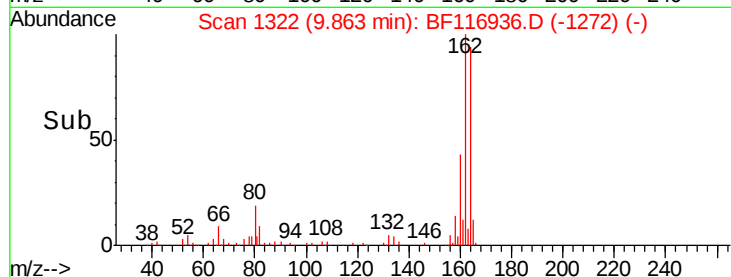
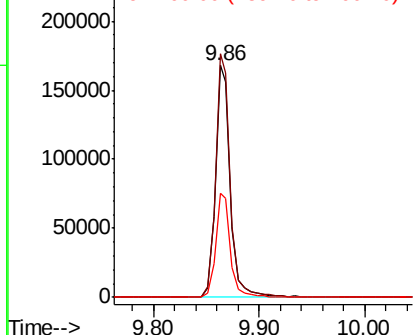
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 167645
Ion Ratio Lower Upper
164 100
162 105.0 81.4 122.0
160 44.8 35.4 53.2

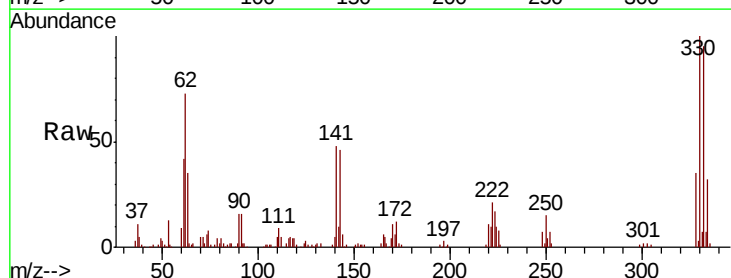


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

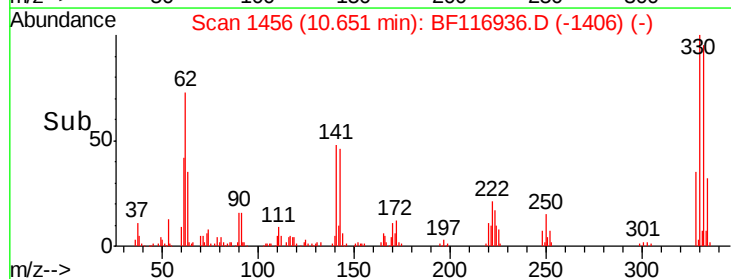
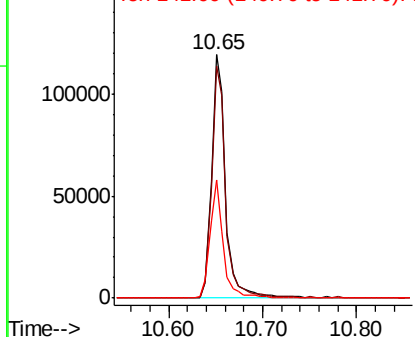


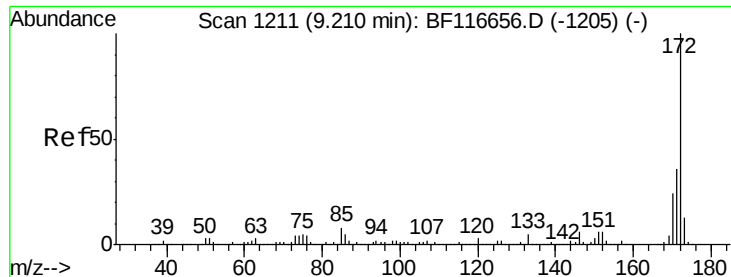
#42
2,4,6-Tribromophenol
Concen: 112.639 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Tgt Ion:330 Resp: 126239
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 45.4 31.4 47.2



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

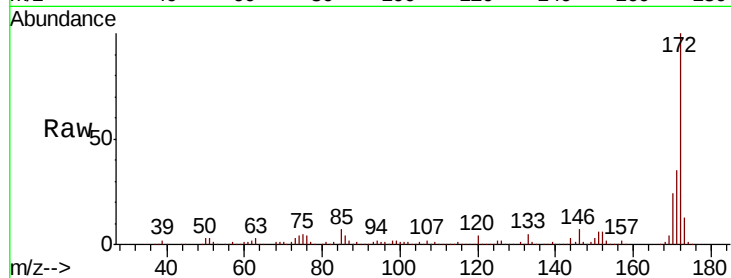




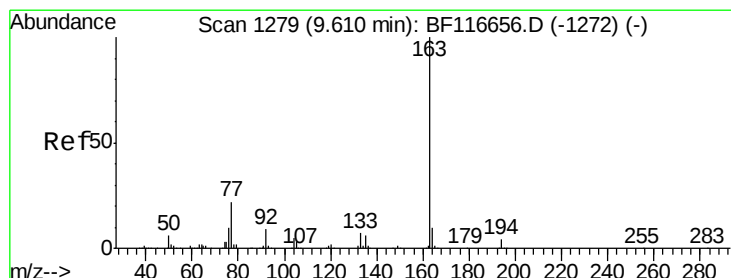
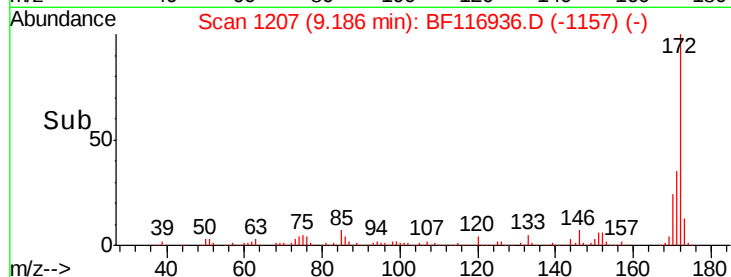
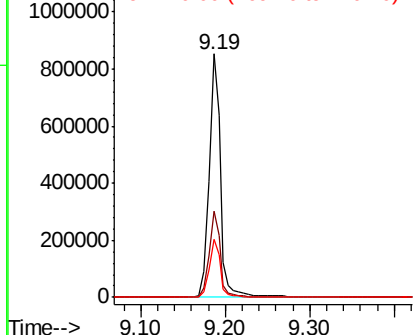
#45
2-Fluorobiphenyl
Concen: 80.904 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 804027
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 24.0 18.9 28.3

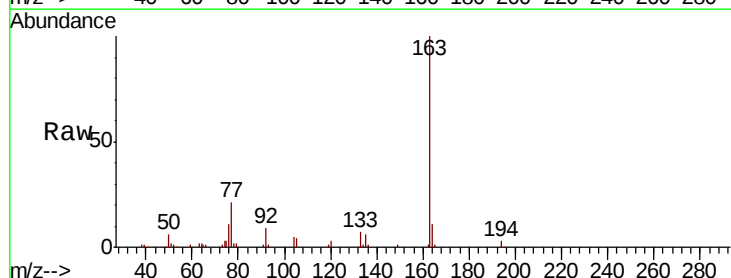


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

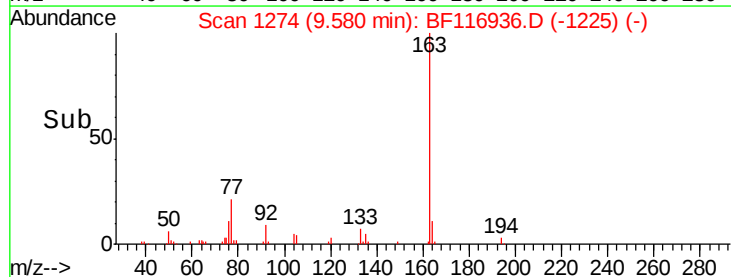
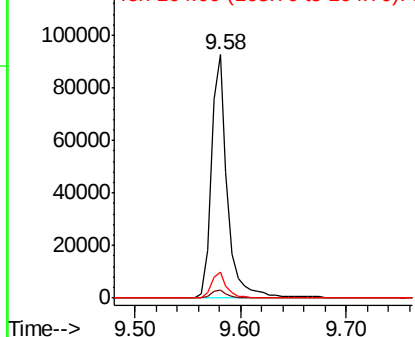


#50
Dimethylphthalate
Concen: 8.523 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Tgt Ion:163 Resp: 98648
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.7 8.6 12.8



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: 7.965 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.19 min

Lab File: BF116936.D

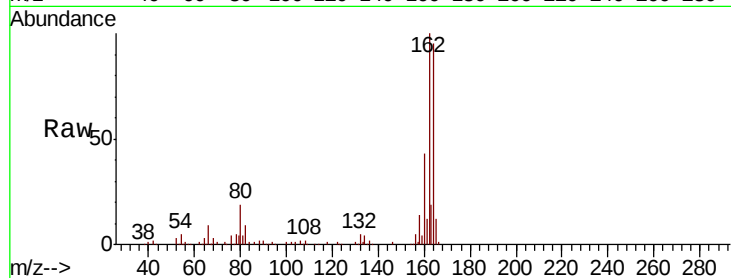
Acq: 10 Sep 2019 22:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	165	Resp:	21507
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#

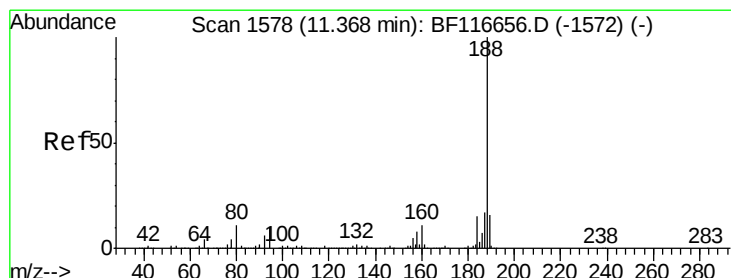
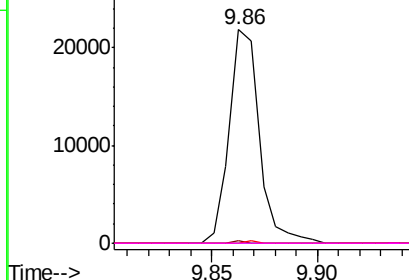
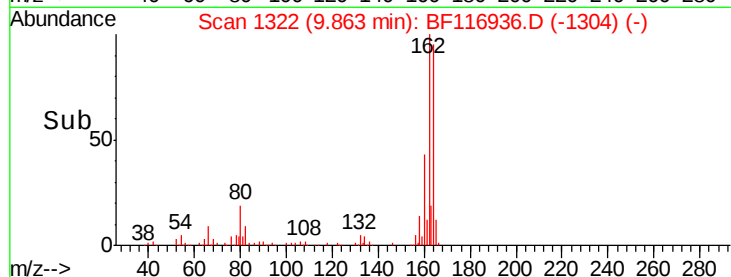


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

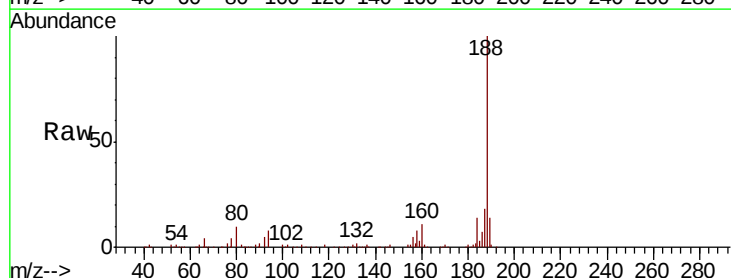
RT: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF116936.D

Acq: 10 Sep 2019 22:01

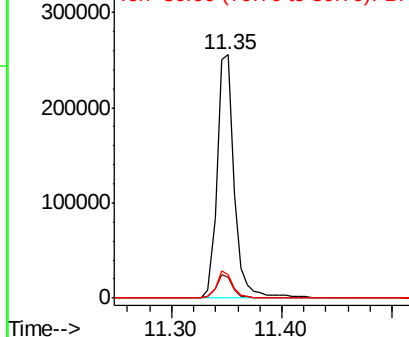
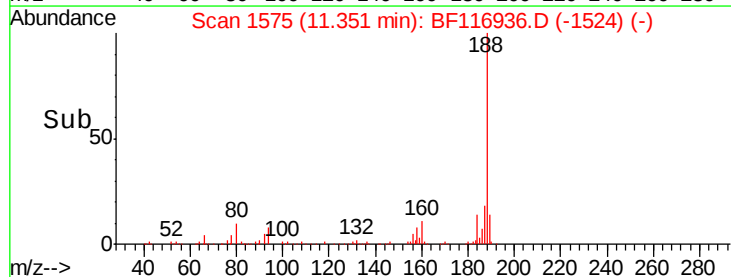
Tgt Ion:	188	Resp:	277313
Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.3	10.9
80	9.5	8.4	12.6

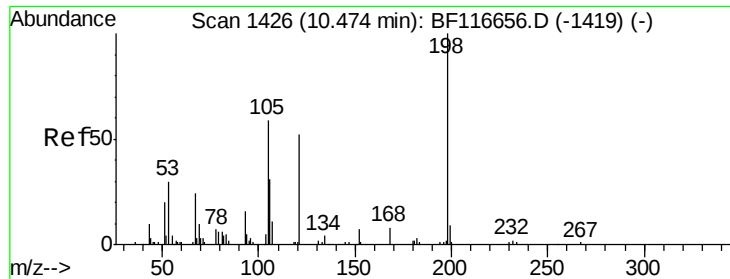


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.645 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.18 min

Lab File: BF116936.D

Acq: 10 Sep 2019 22:01

Instrument :

BNA_F

ClientSampled :

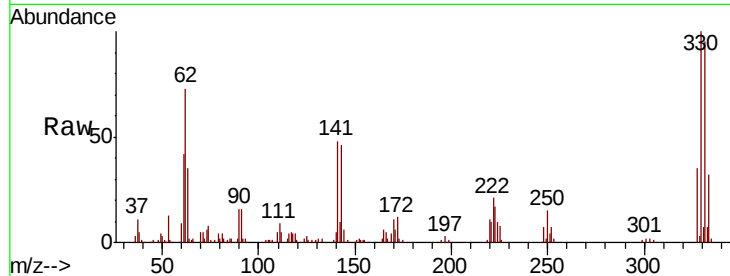
Tot Ion:198 Resp: 235

Ion Ratio Lower Upper

198 100

51 212.5 18.4 58.4#

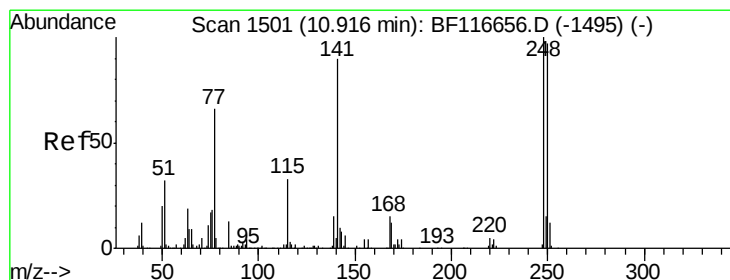
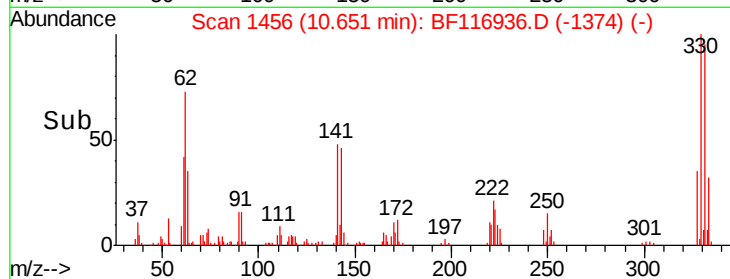
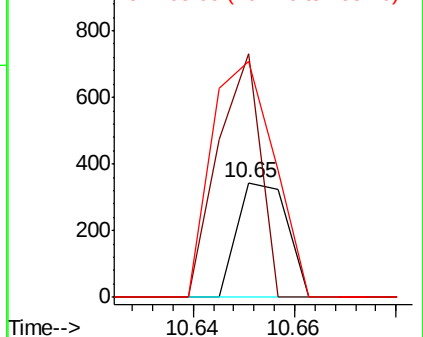
105 205.8 22.9 62.9#



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: 2.992 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.25 min

Lab File: BF116936.D

Acq: 10 Sep 2019 22:01

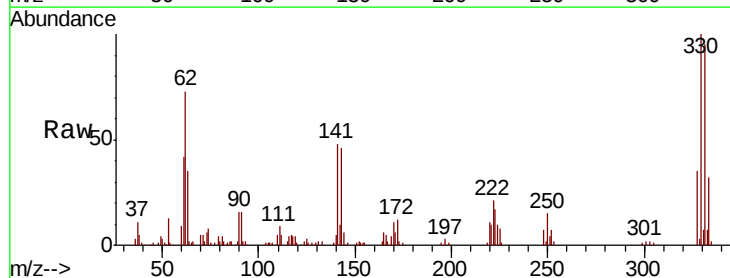
Tgt Ion:248 Resp: 8430

Ion Ratio Lower Upper

248 100

250 209.5 77.8 116.8#

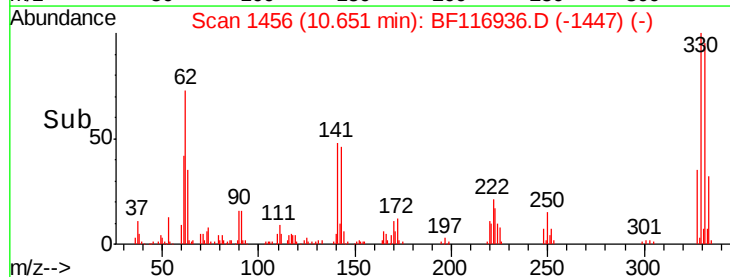
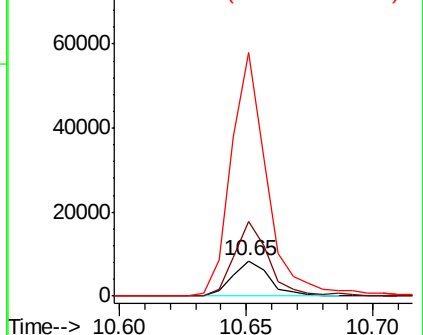
141 684.6 75.9 113.9#

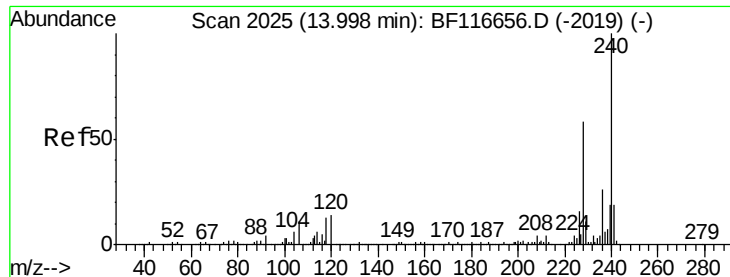


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

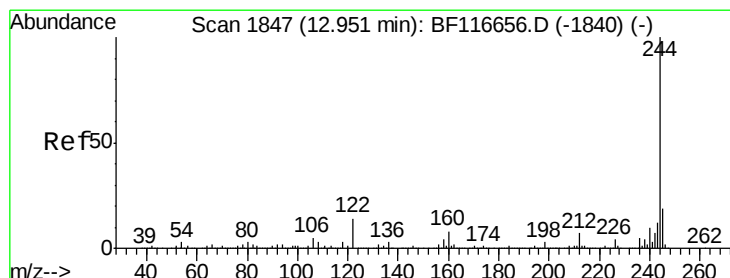
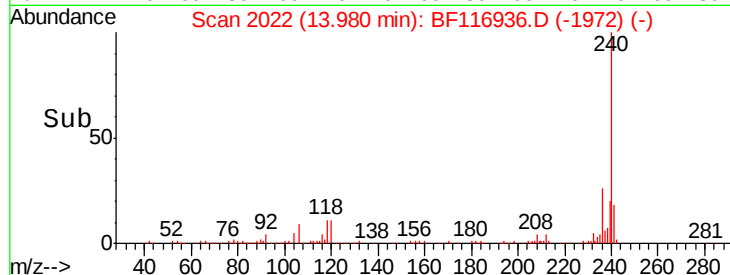
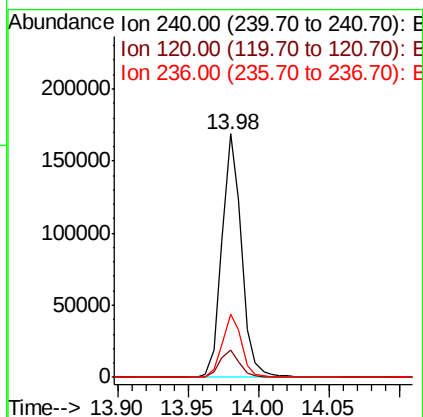
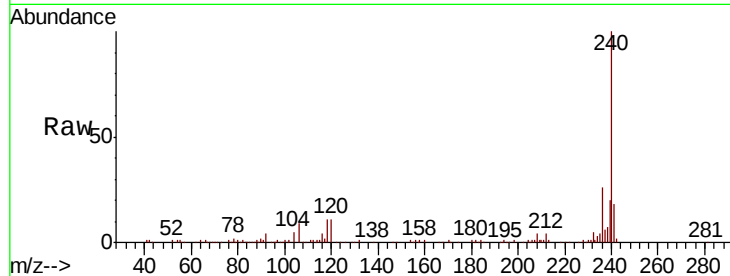




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

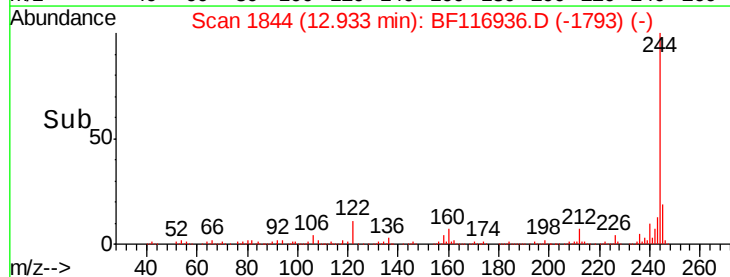
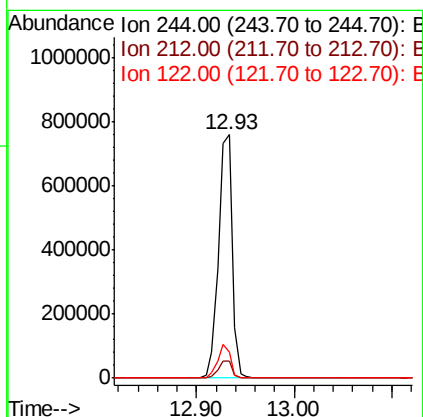
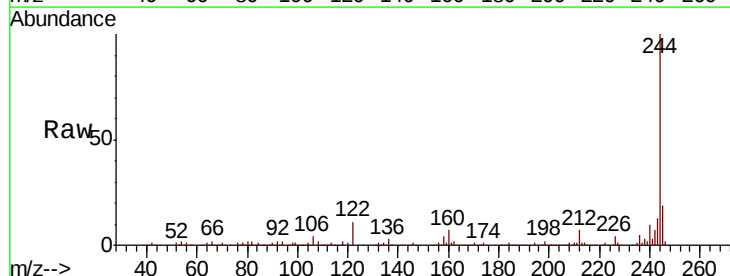
Instrument :
BNA_F
ClientSampleId :

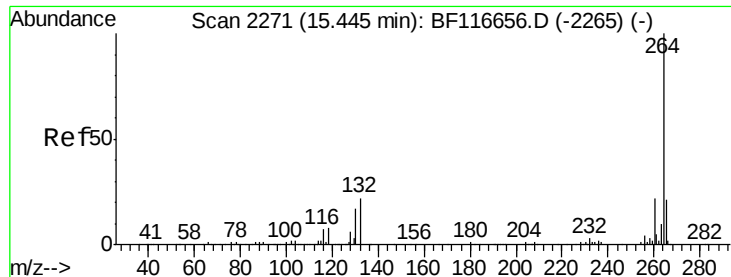
Tot Ion:240 Resp: 162785
Ion Ratio Lower Upper
240 100
120 11.2 9.1 13.7
236 25.9 21.1 31.7



#79
Terphenyl-d14
Concen: 84.824 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Tgt Ion:244 Resp: 746403
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 10.7 10.2 15.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF116936.D
Acq: 10 Sep 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	171490
Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.3	27.5
265	20.9	16.5	24.7

