

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116980.D
 Acq On : 12 Sep 2019 7:20
 Operator : HP/JU
 Sample : K4764-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 08:37:48 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

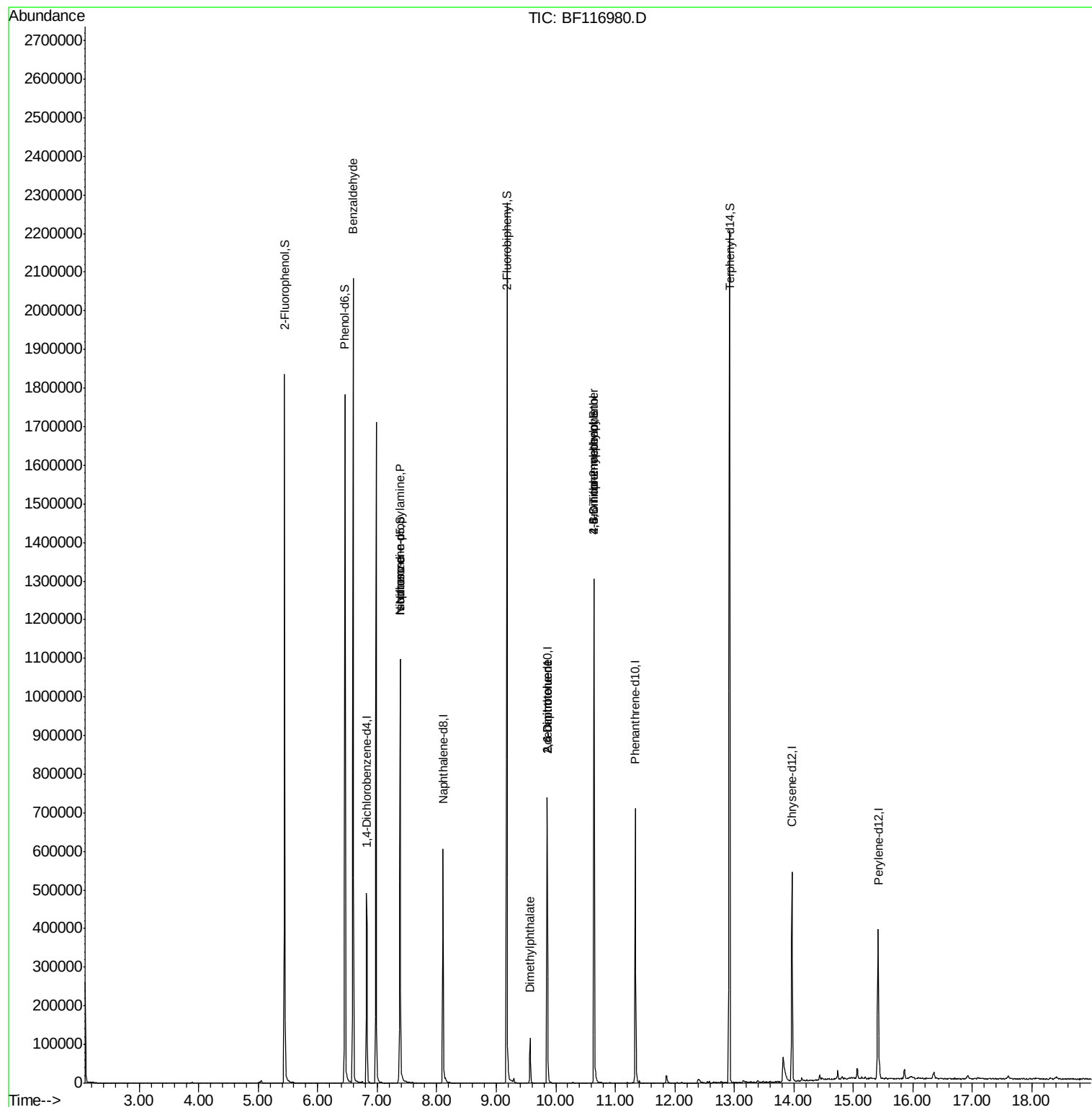
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	73490	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	306997	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	165479	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	281079	20.00	ng	0.00
76) Chrysene-d12	13.97	240	173334	20.00	ng	0.00
87) Perylene-d12	15.42	264	176607	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	518940	114.40	ng	0.00
7) Phenol-d6	6.46	99	719496	120.79	ng	0.00
23) Nitrobenzene-d5	7.39	82	442539	82.29	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	155712	140.76	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	764111	77.89	ng	0.00
79) Terphenyl-d14	12.92	244	754468	80.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	13619	3.470	ng	82
19) n-Nitroso-di-n-propylamine	7.39	70	59196	15.093	ng	# 74
25) Isophorone	7.39	82	442535	40.611	ng	# 66
50) Dimethylphthalate	9.57	163	49167	4.304	ng	97
51) 2,6-Dinitrotoluene	9.86	165	20761	9.525	ng	# 26
57) 2,4-Dinitrotoluene	9.86	165	20761	7.789	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	320	7.712	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	10075	3.528	ng	# 1

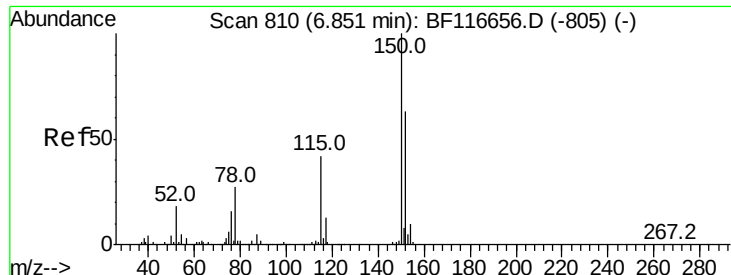
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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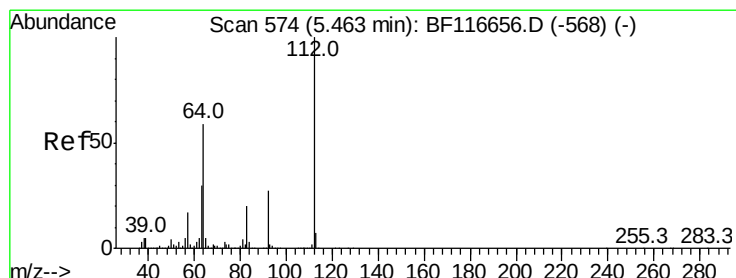
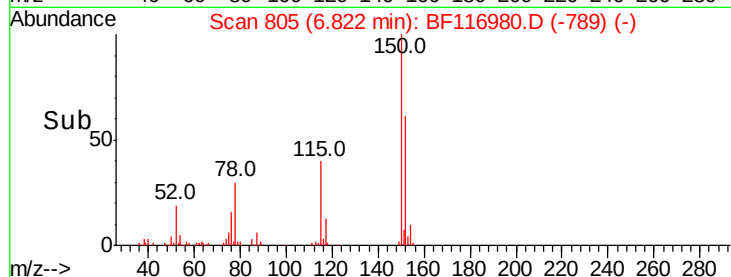
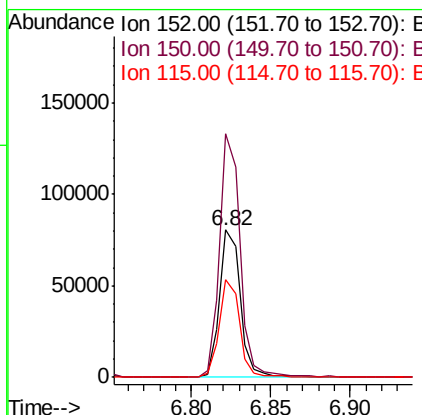
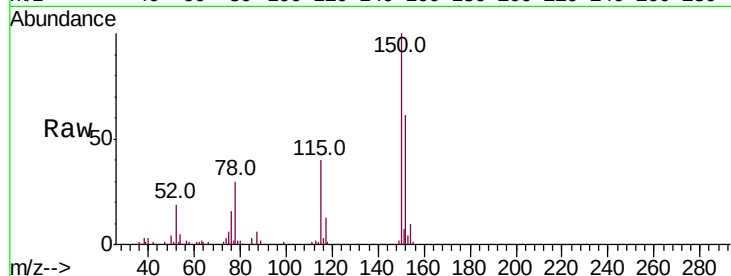




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF116980.D
 Acq: 12 Sep 2019 7:20

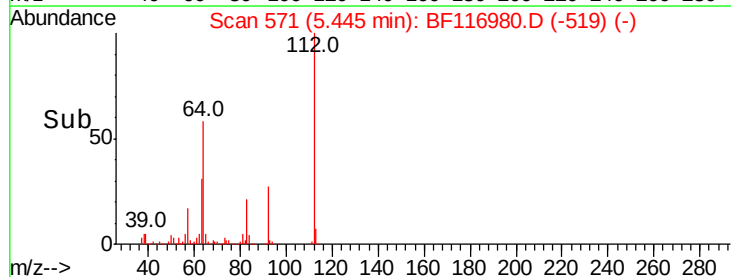
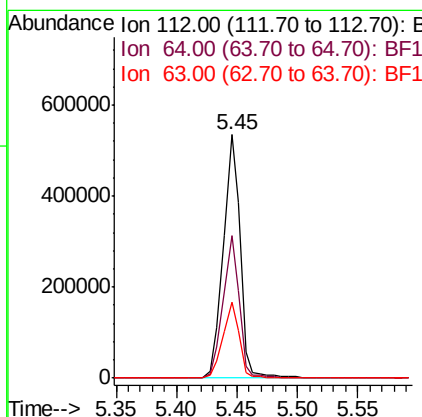
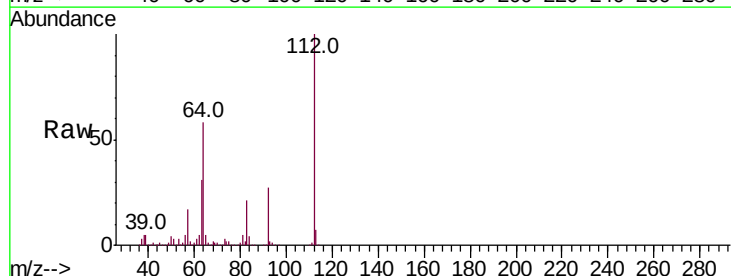
Instrument :
 BNA_F
 ClientSampleId :

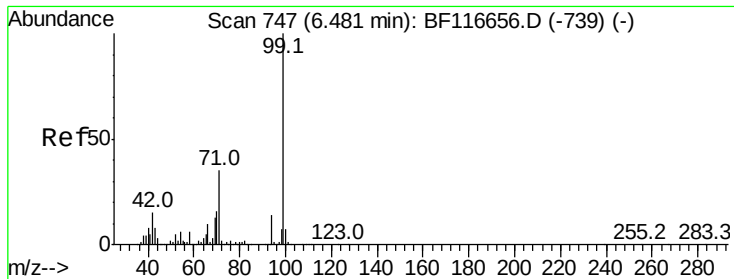
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.1	126.2	189.2
115	66.6	50.2	75.2



#5
 2-Fluorophenol
 Concen: 114.398 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF116980.D
 Acq: 12 Sep 2019 7:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.1	70.7
63	31.1	25.4	38.0





#7

Phenol-d6

Concen: 120.790 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

Instrument :

BNA_F

ClientSampleId :

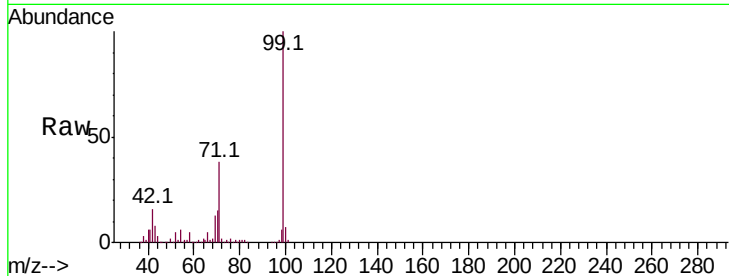
Tot Ion: 99 Resp: 719496

Ion Ratio Lower Upper

99 100

42 15.9 12.0 18.0

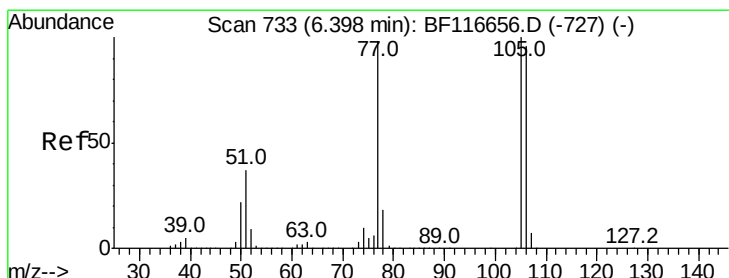
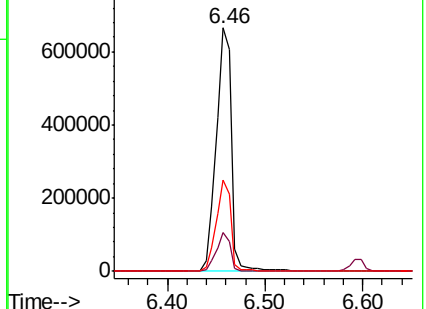
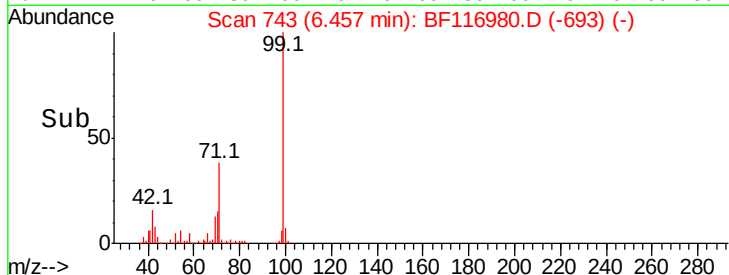
71 37.6 29.7 44.5



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



#9

Benzaldehyde

Concen: 3.470 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

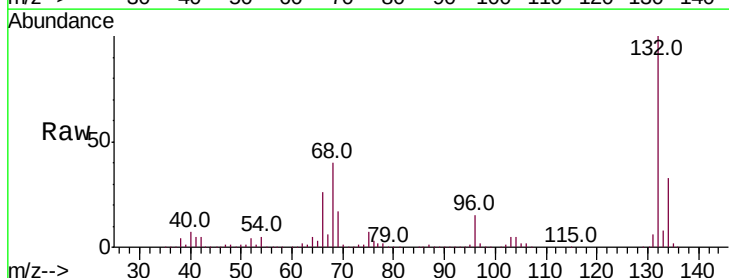
Tgt Ion: 77 Resp: 13619

Ion Ratio Lower Upper

77 100

105 81.1 79.3 119.3

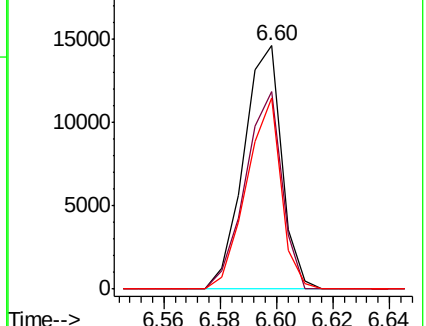
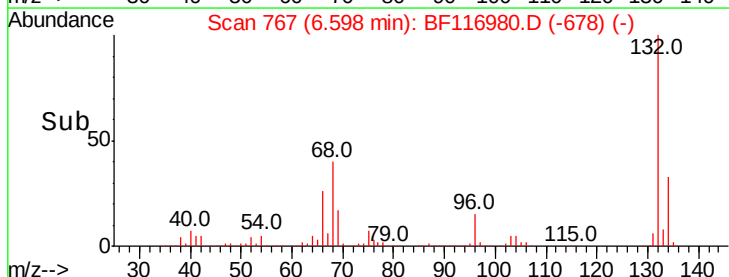
106 78.5 75.1 115.1

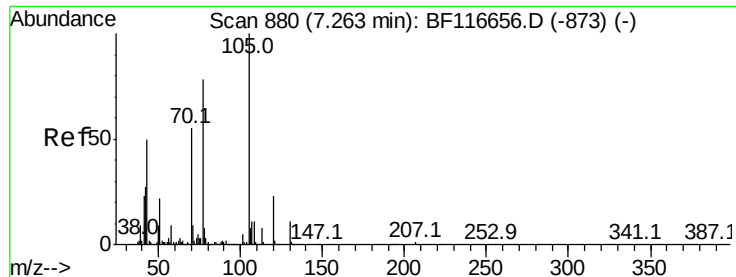


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

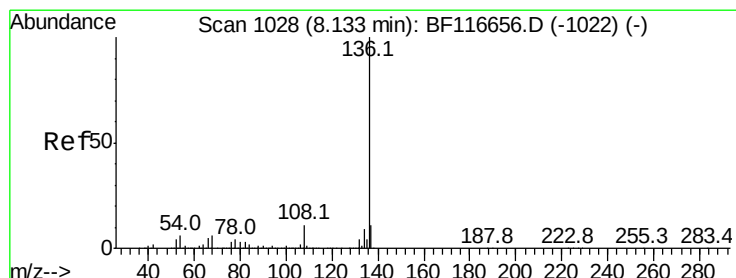
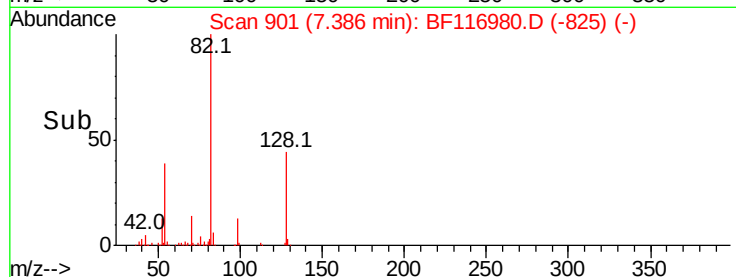
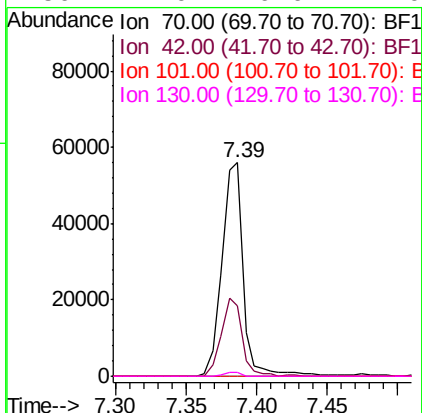
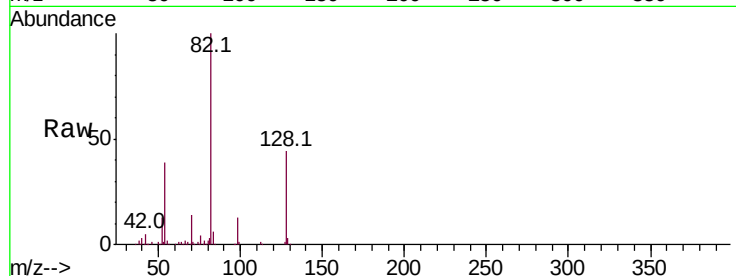




#19
n-Nitroso-di-n-propylamine
Concen: 15.093 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF116980.D
Acq: 12 Sep 2019 7:20

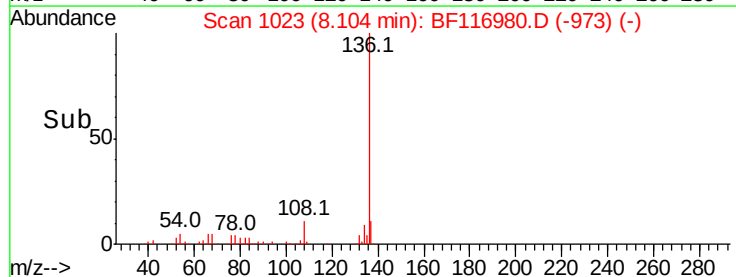
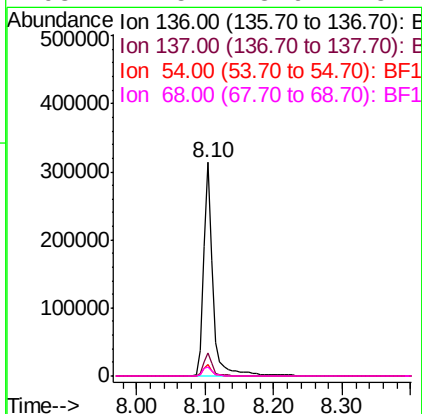
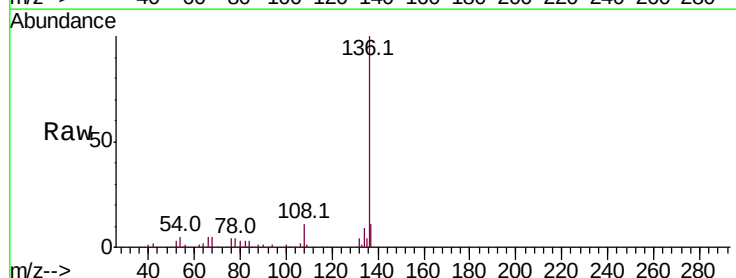
Instrument :
BNA_F
ClientSampleId :

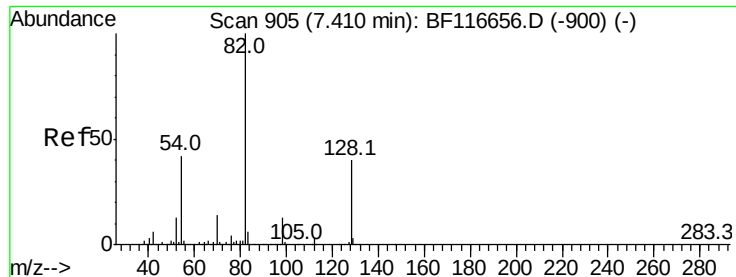
Tot Ion	Ratio	Lower	Upper
70	100		
42	33.1	37.0	55.4#
101	0.0	7.4	11.2#
130	2.0	16.0	24.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF116980.D
Acq: 12 Sep 2019 7:20

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	5.3	3.8	5.8
68	4.5	3.6	5.4

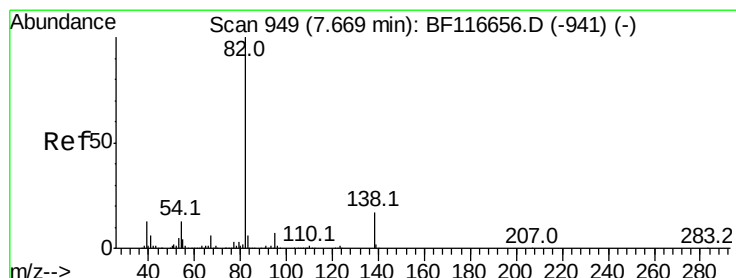
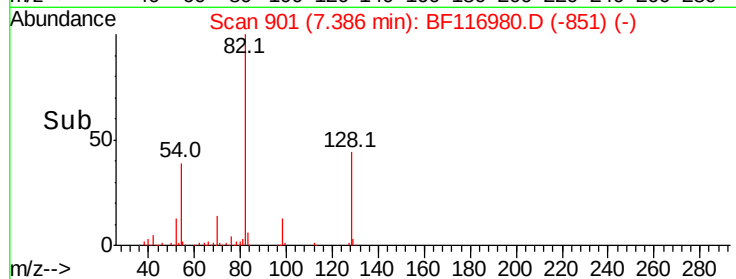
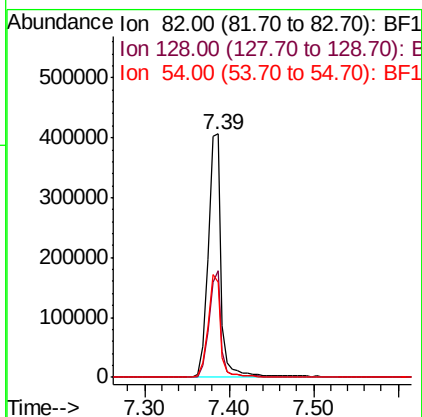
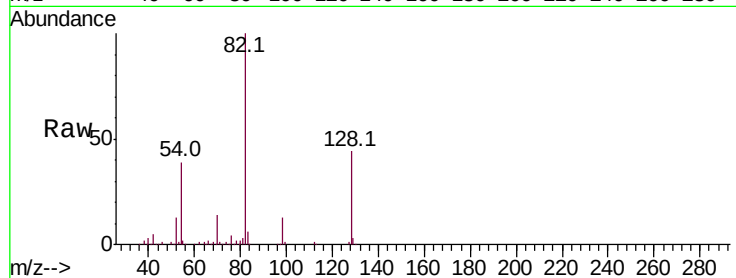




#23
 Nitrobenzene-d5
 Concen: 82.292 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF116980.D
 Acq: 12 Sep 2019 7:20

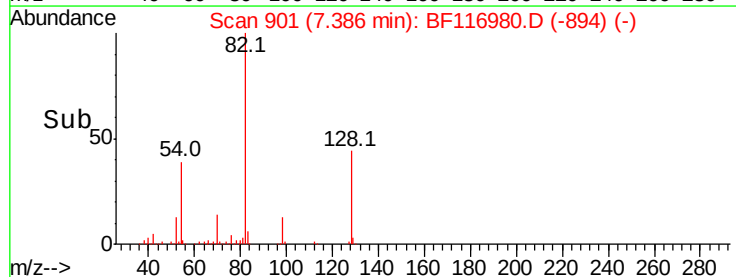
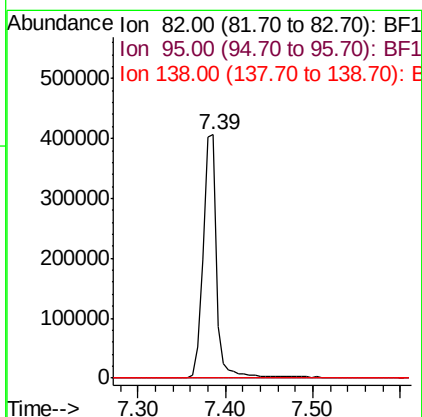
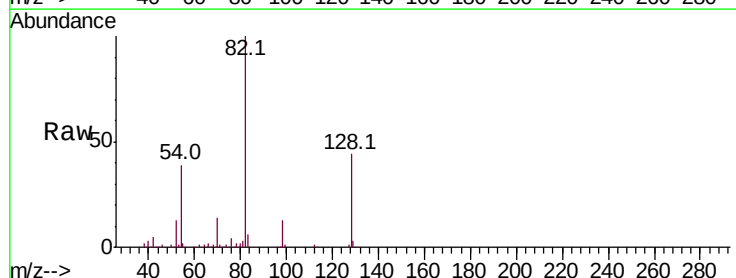
Instrument :
 BNA_F
 ClientSampled :

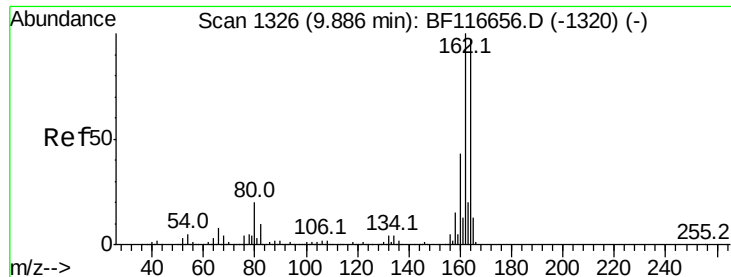
Tot Ion	82	Resp	442539
Ion Ratio	Lower	Upper	
82	100		
128	44.0	35.0	52.4
54	39.3	32.6	48.8



#25
 Isophorone
 Concen: 40.611 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF116980.D
 Acq: 12 Sep 2019 7:20

Tgt Ion	82	Resp	442535
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.0	9.0#
138	0.0	13.4	20.2#

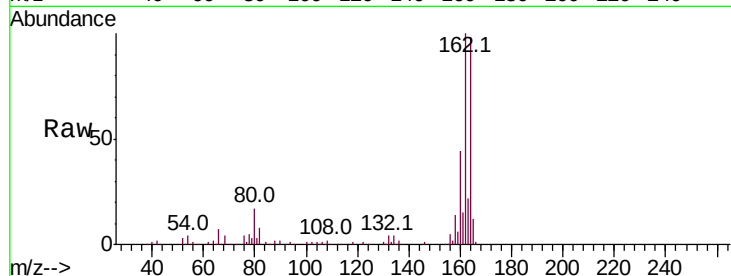




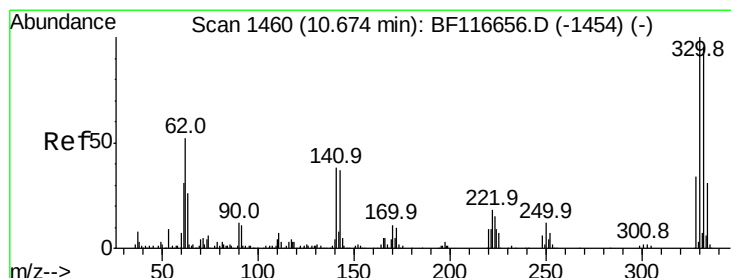
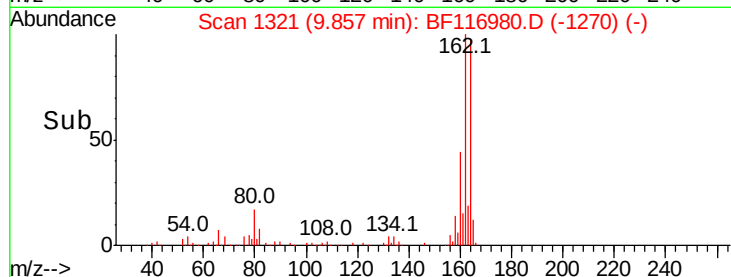
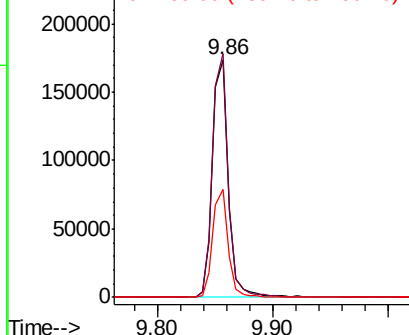
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF116980.D
Acq: 12 Sep 2019 7:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 165479
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 45.6 35.7 53.5

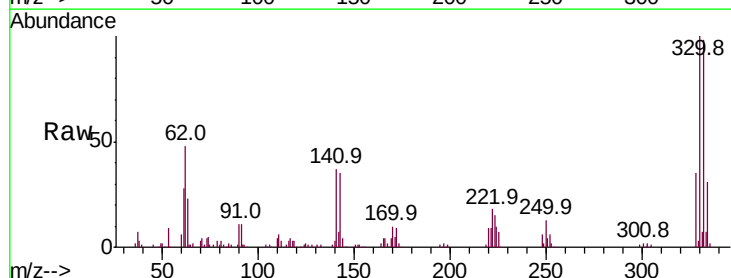


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

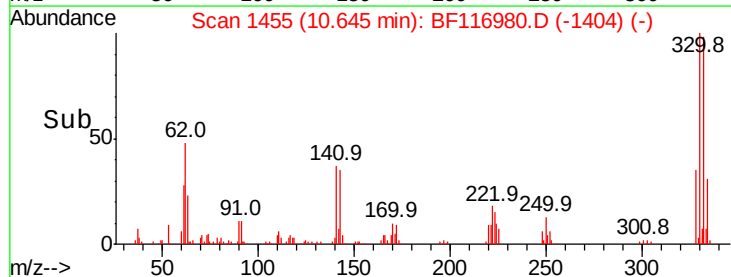
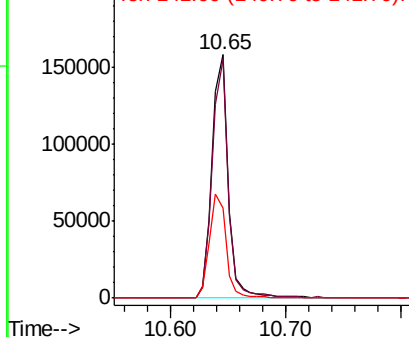


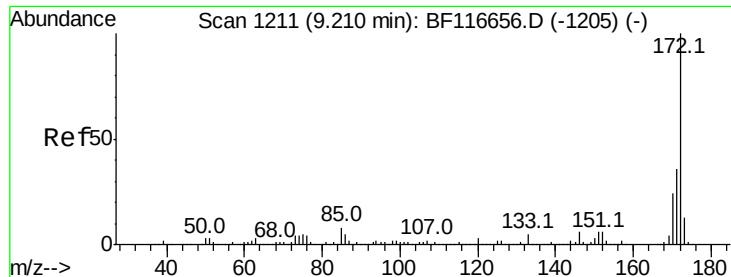
#42
2,4,6-Tribromophenol
Concen: 140.755 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF116980.D
Acq: 12 Sep 2019 7:20

Tgt Ion:330 Resp: 155712
Ion Ratio Lower Upper
330 100
332 97.2 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

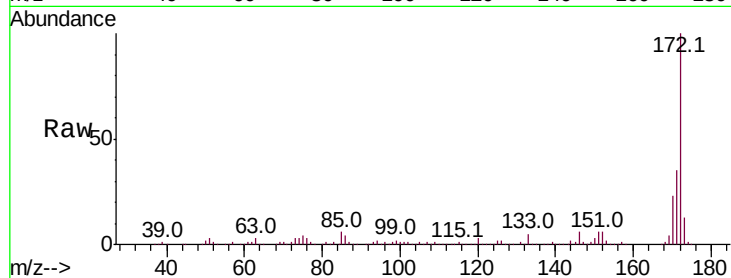




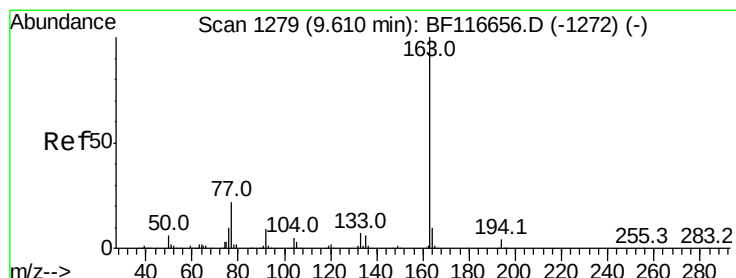
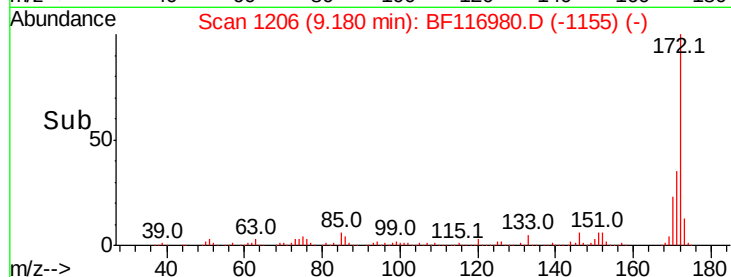
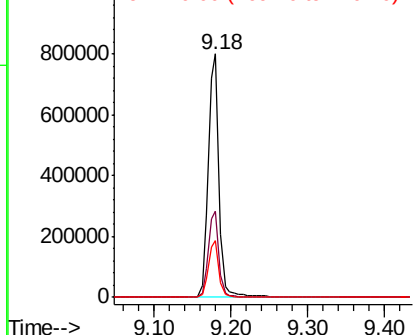
#45
 2-Fluorobiphenyl
 Concen: 77.894 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BF116980.D
 Acq: 12 Sep 2019 7:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 764111
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.1 43.7
 170 23.3 19.2 28.8

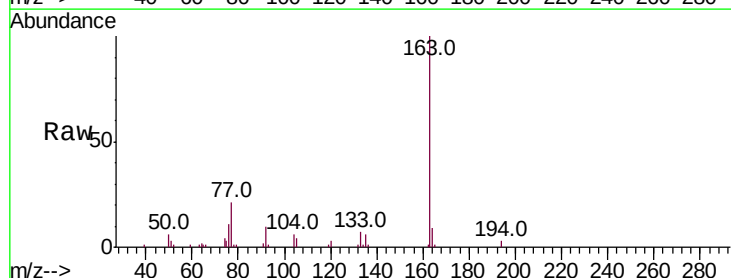


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

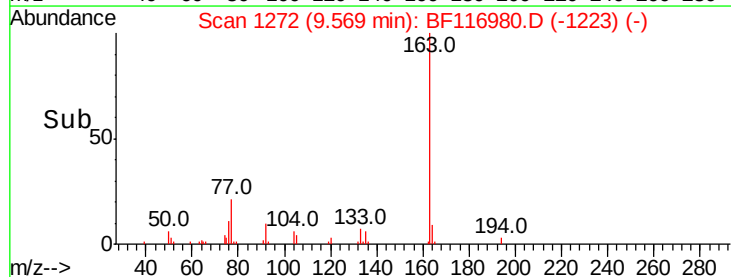
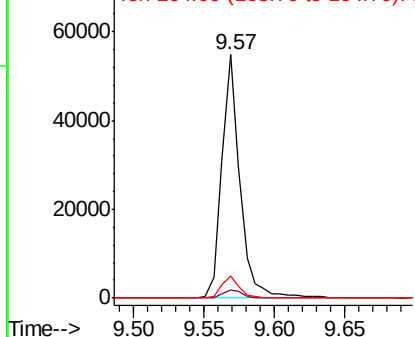


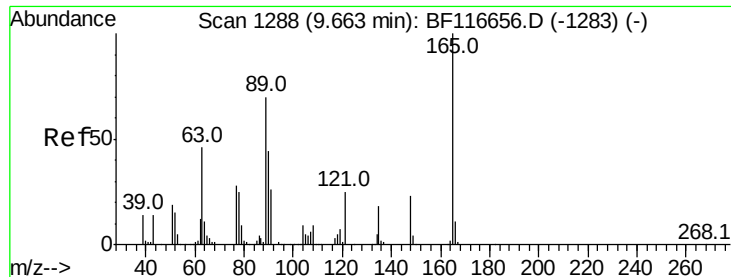
#50
 Dimethylphthalate
 Concen: 4.304 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF116980.D
 Acq: 12 Sep 2019 7:20

Tgt Ion:163 Resp: 49167
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.7 4.1
 164 9.0 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: 9.525 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.21 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

Instrument :

BNA_F

ClientSampled :

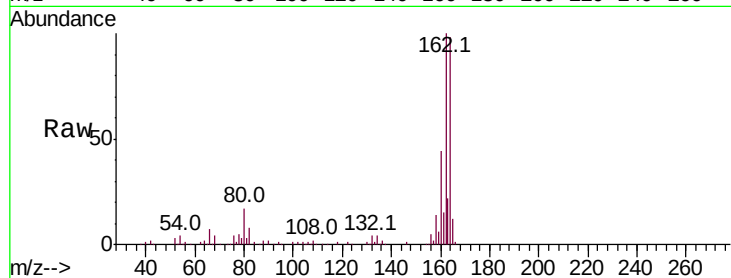
Tot Ion:165 Resp: 20761

Ion Ratio Lower Upper

165 100

63 0.0 38.0 57.0#

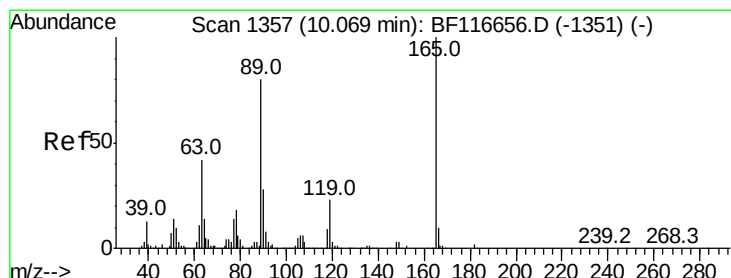
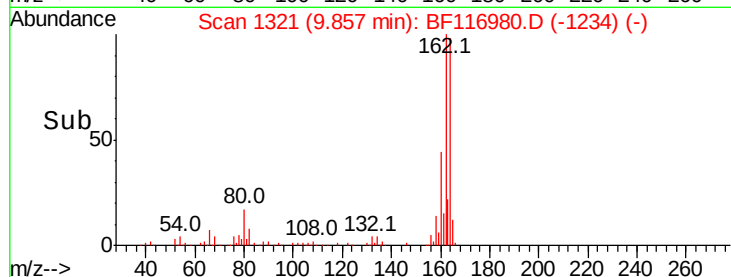
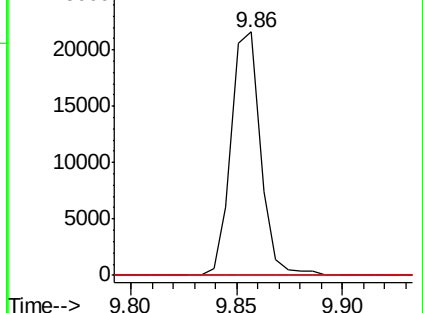
89 0.0 44.1 66.1#



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: 7.789 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.19 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

Tgt Ion:165 Resp: 20761

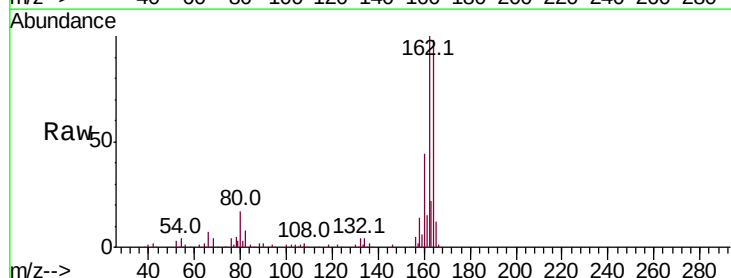
Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.2#

89 0.0 66.1 99.1#

182 0.0 1.8 2.8#

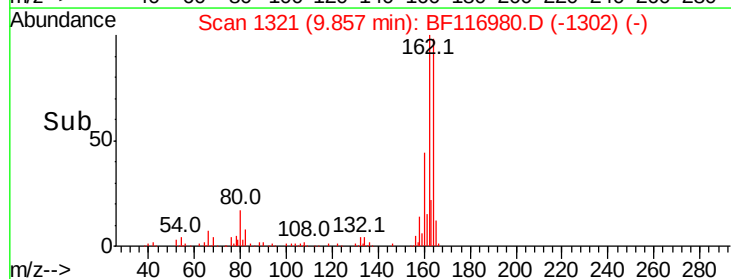
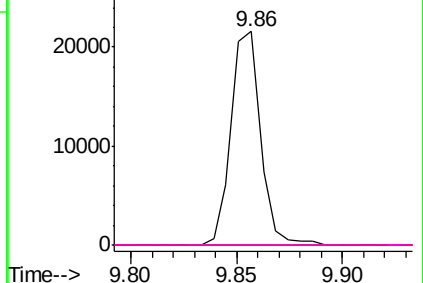


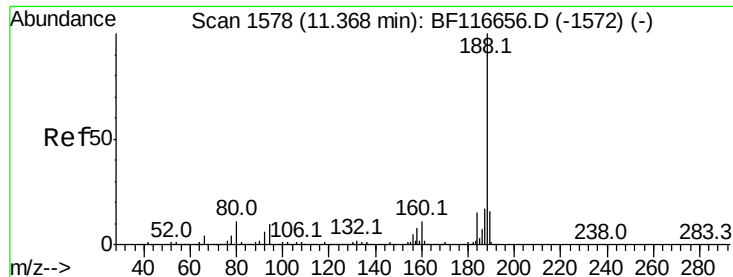
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

Instrument :

BNA_F

ClientSampleId :

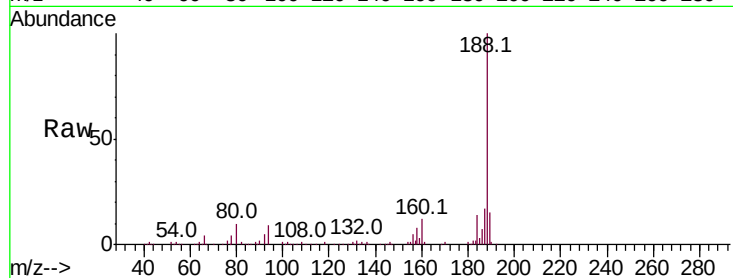
Tot Ion:188 Resp: 281079

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

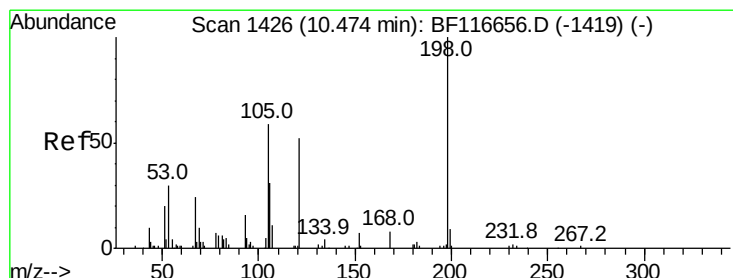
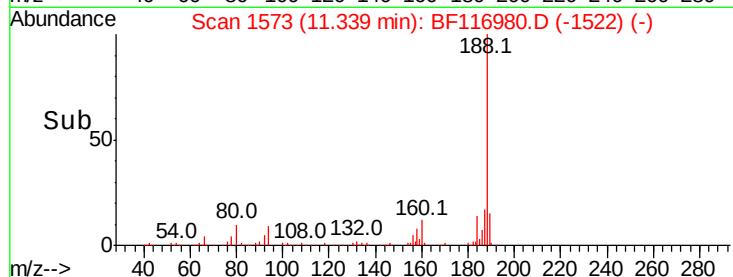
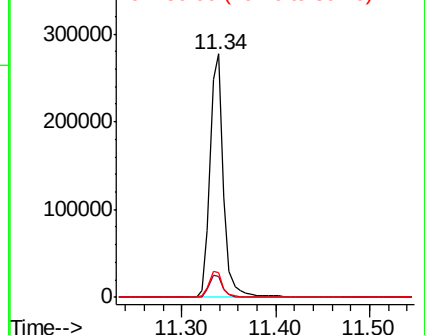
80 10.2 8.5 12.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.712 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

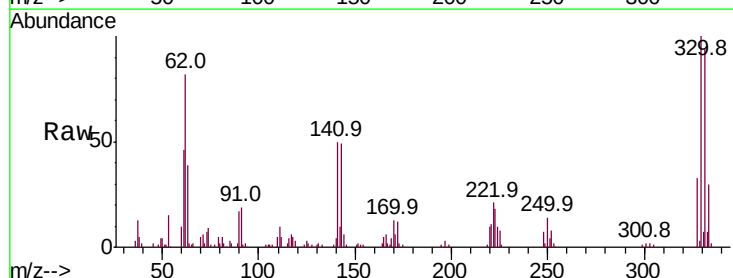
Tgt Ion:198 Resp: 320

Ion Ratio Lower Upper

198 100

51 207.2 26.3 66.3#

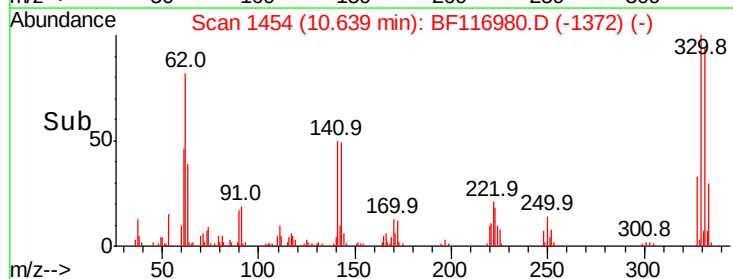
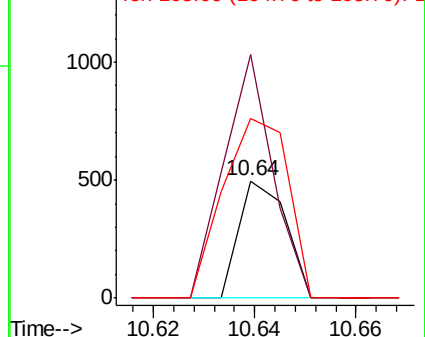
105 152.6 40.0 80.0#

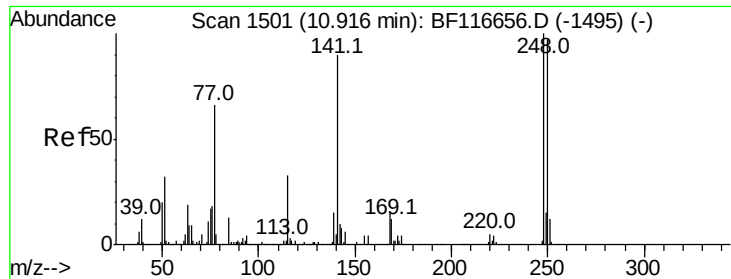


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

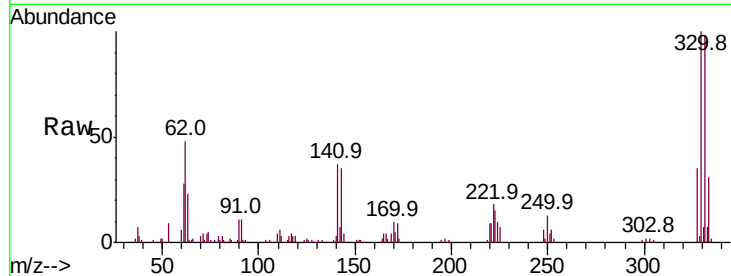




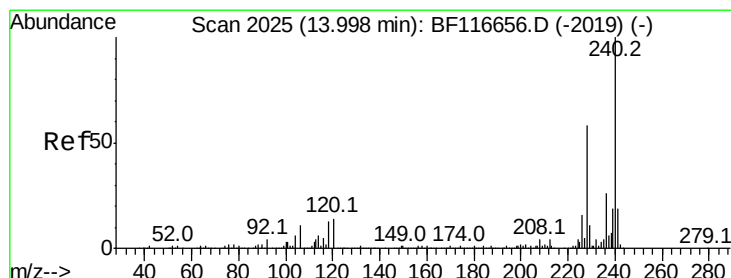
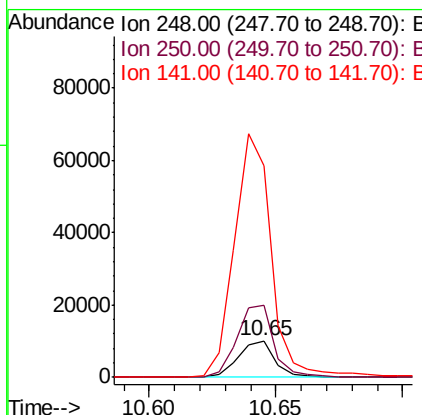
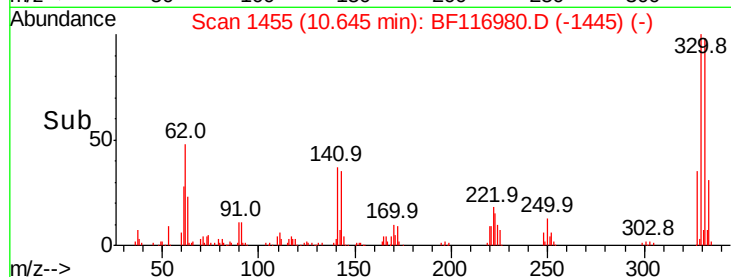
#67
4-Bromophenyl-phenylether
Concen: 3.528 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF116980.D
Acq: 12 Sep 2019 7:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10075
Ion Ratio Lower Upper
248 100
250 195.5 77.0 115.4#
141 578.6 70.2 105.2#

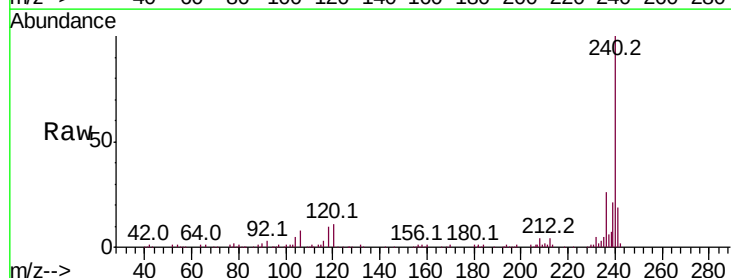


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

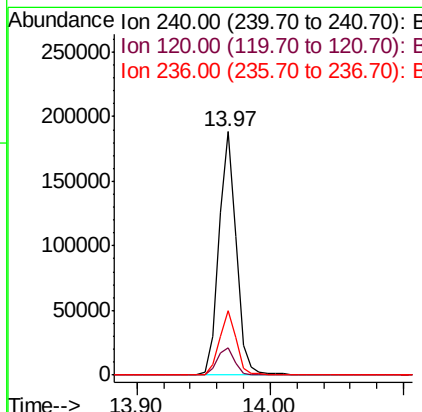
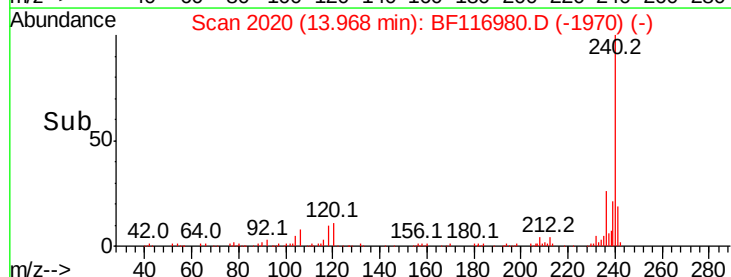


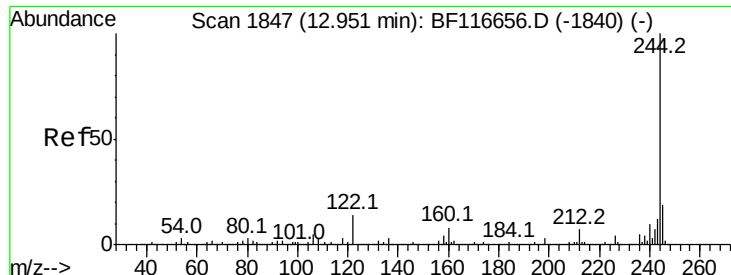
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116980.D
Acq: 12 Sep 2019 7:20

Tgt Ion:240 Resp: 173334
Ion Ratio Lower Upper
240 100
120 11.3 9.1 13.7
236 26.4 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: 80.522 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

Instrument :

BNA_F

ClientSampled :

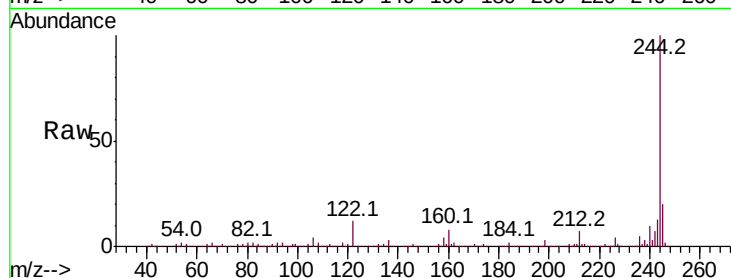
Tot Ion:244 Resp: 754468

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

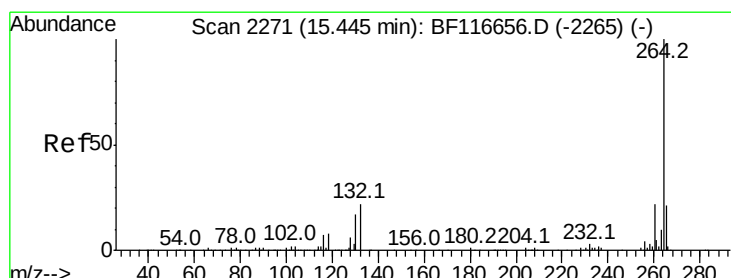
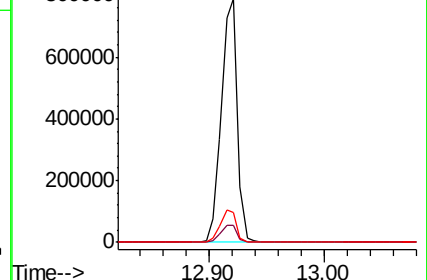
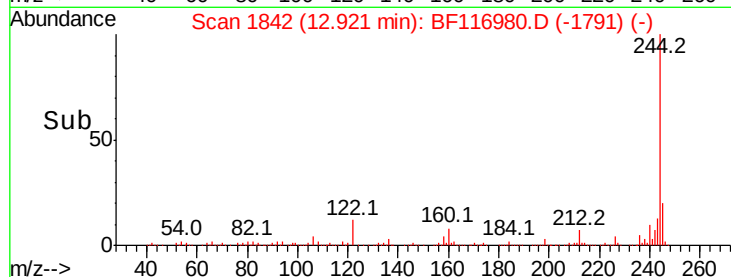
122 12.1 11.5 17.3



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BF116980.D

Acq: 12 Sep 2019 7:20

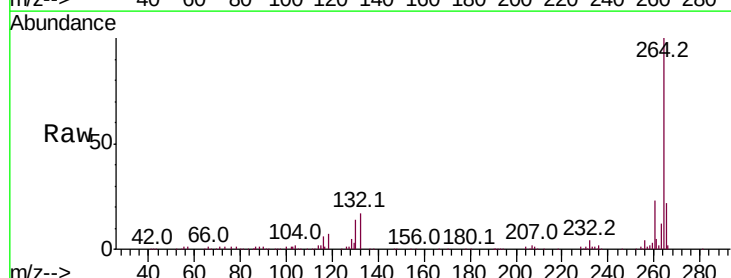
Tgt Ion:264 Resp: 176607

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.7 17.9 26.9



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

