

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116727.D
 Acq On : 1 Sep 2019 5:55
 Operator : HP/JU
 Sample : K4517-36
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-E

Quant Time: Sep 01 06:30:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

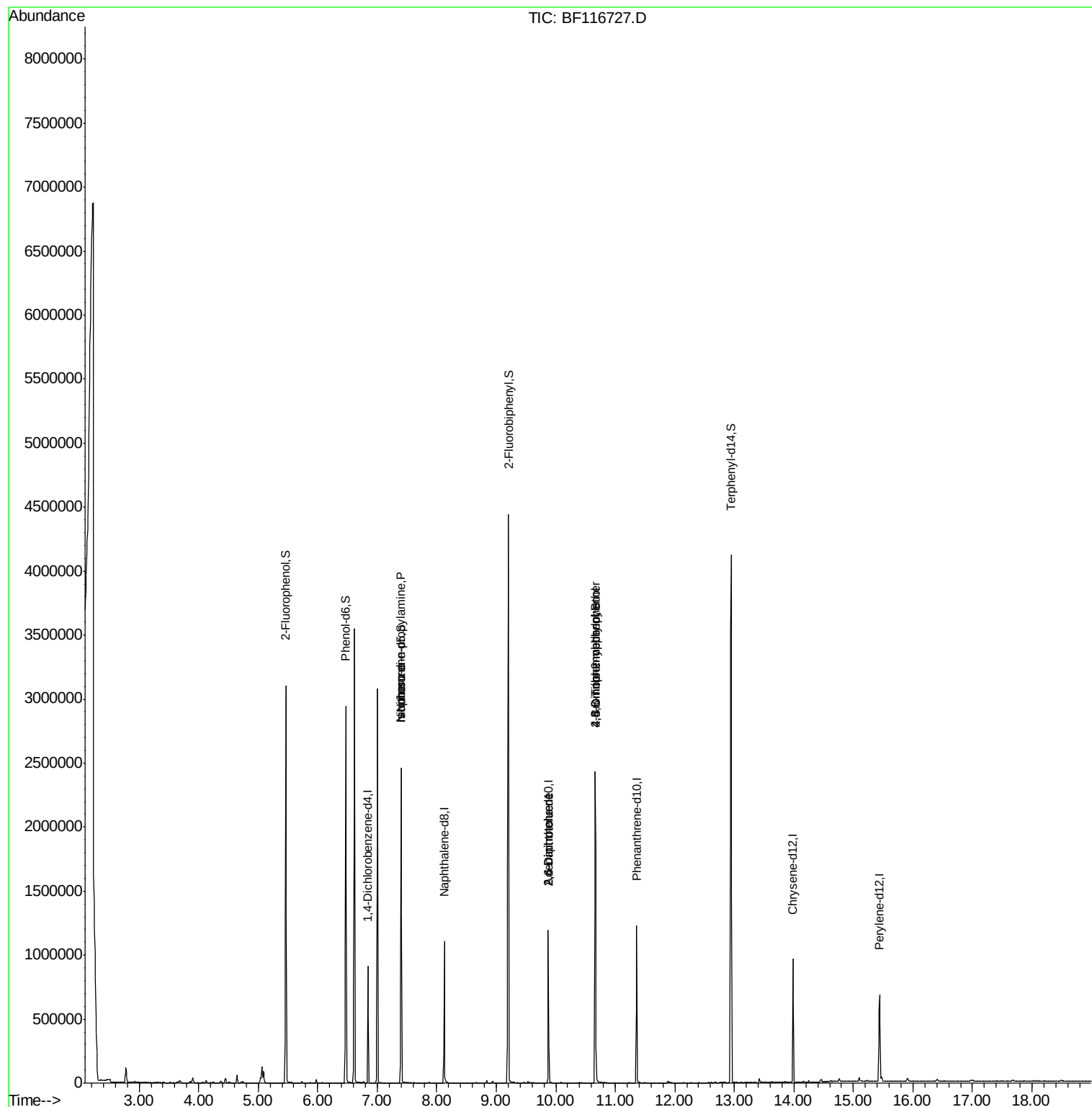
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122260	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	487643	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	249821	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	417939	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	277028	20.00	ng	-0.01
87) Perylene-d12	15.44	264	303912	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	883619	117.09	ng	0.00
7) Phenol-d6	6.47	99	1102109	111.22	ng	0.00
23) Nitrobenzene-d5	7.40	82	827847	96.91	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	261196	156.39	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1357469	91.66	ng	0.00
79) Terphenyl-d14	12.95	244	1420144	94.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	109224	16.740	ng	# 73
25) Isophorone	7.40	82	827837	47.827	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	32520	9.882	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	32520	8.082	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	674	7.821	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	17473	4.115	ng	# 1

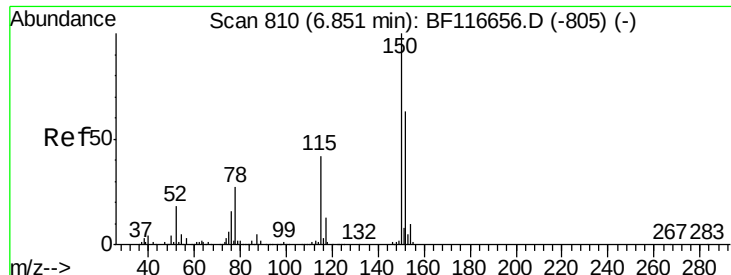
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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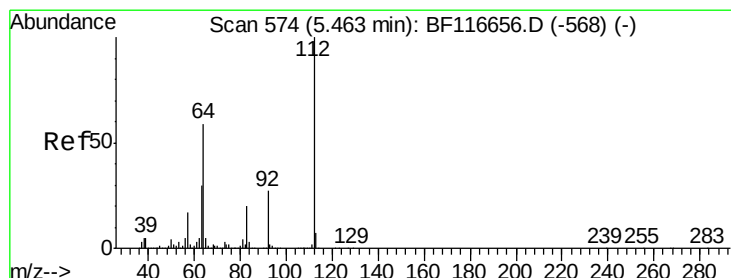
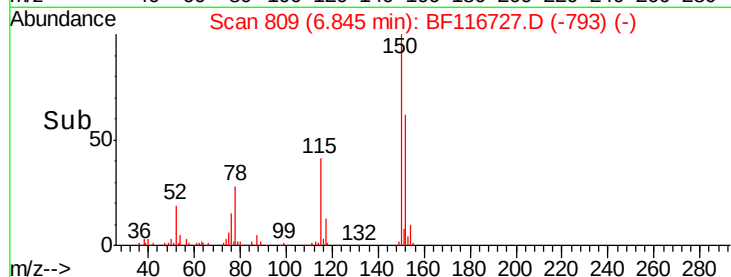
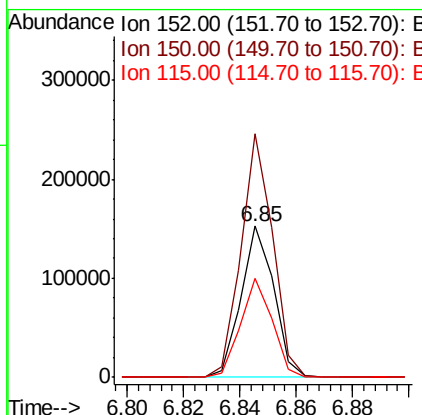
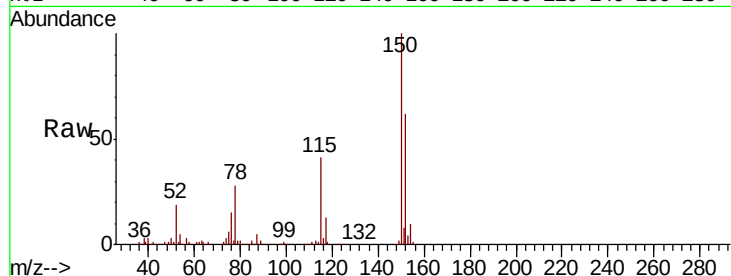


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116727.D
Acq: 1 Sep 2019 5:55

Instrument :
BNA_F
ClientSampleId :
T4-S-E

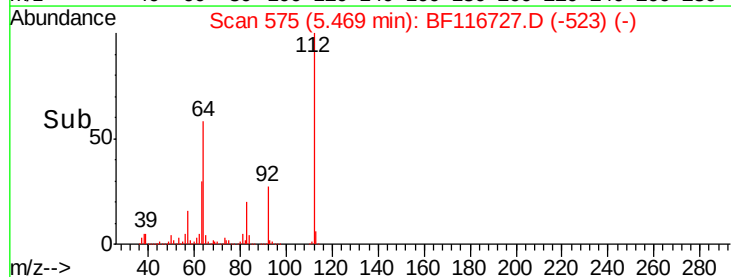
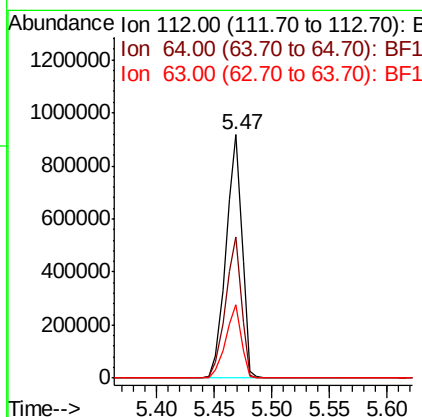
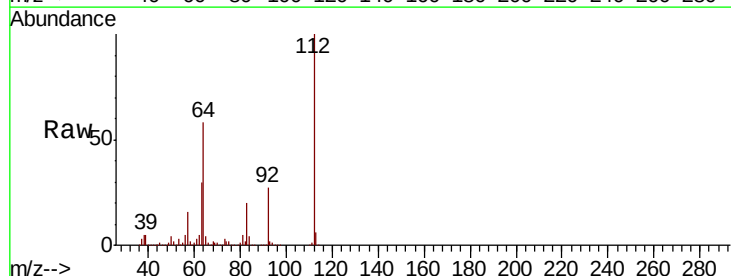
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.4	186.6
115	65.6	49.9	74.9

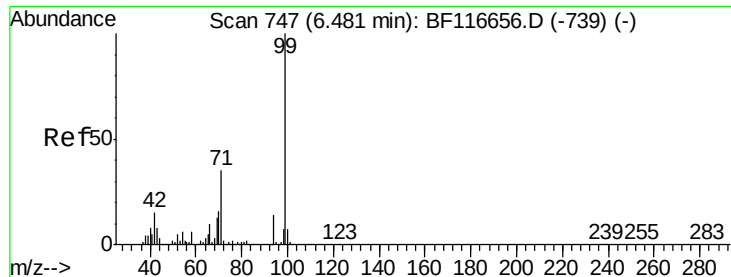


#5

2-Fluorophenol
Concen: 117.088 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116727.D
Acq: 1 Sep 2019 5:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.1	70.7
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 111.216 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

Instrument :

BNA_F

ClientSampleId :

T4-S-E

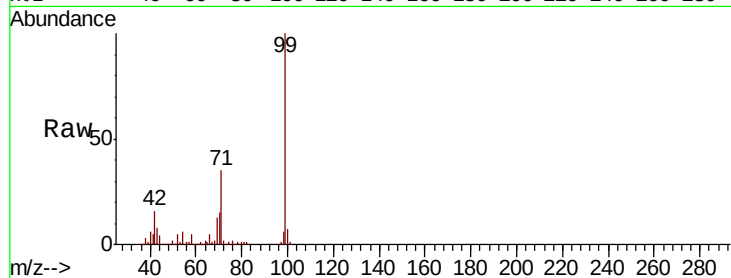
Tot Ion: 99 Resp: 1102109

Ion Ratio Lower Upper

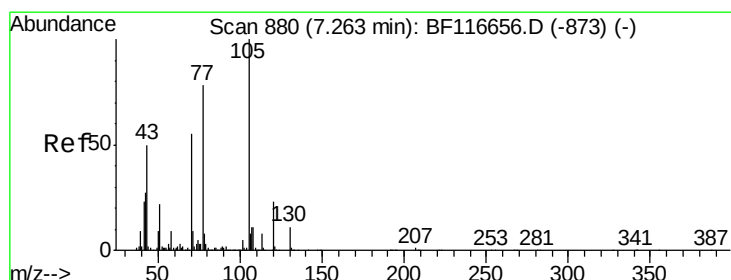
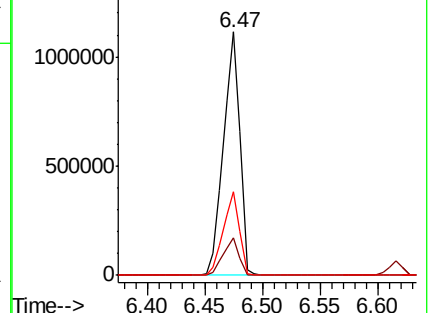
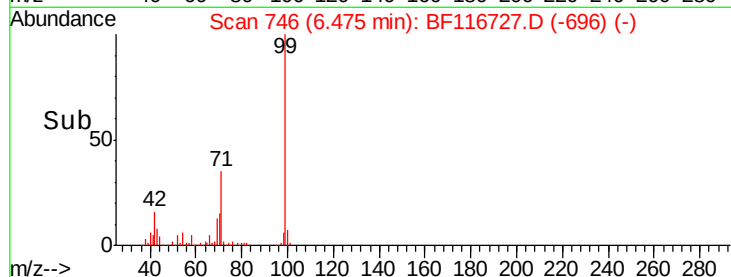
99 100

42 15.6 13.7 20.5

71 34.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.740 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

Tgt Ion: 70 Resp: 109224

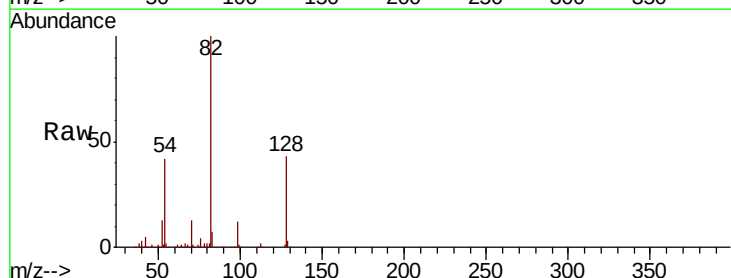
Ion Ratio Lower Upper

70 100

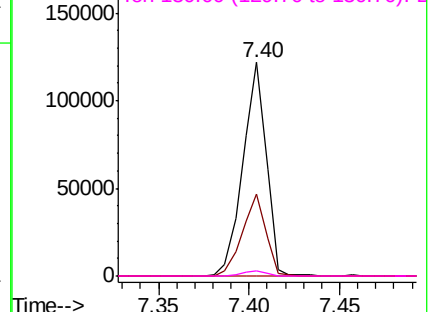
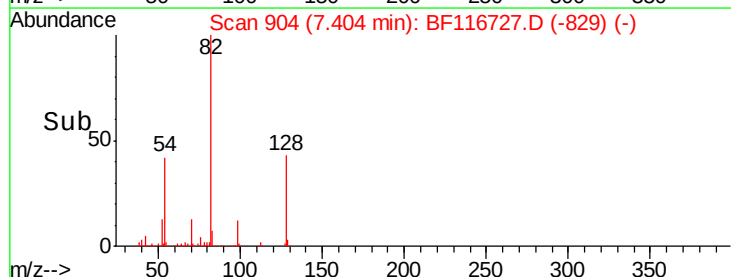
42 38.2 43.5 65.3#

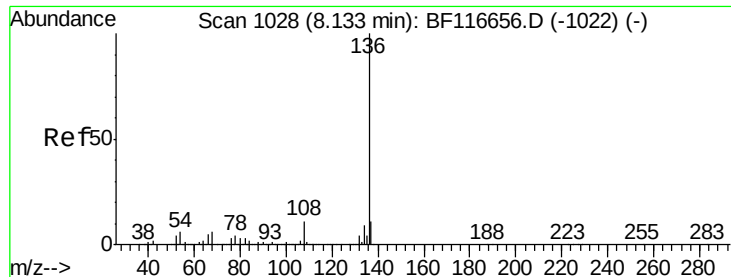
101 0.0 7.8 11.6#

130 2.2 16.6 24.8#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1

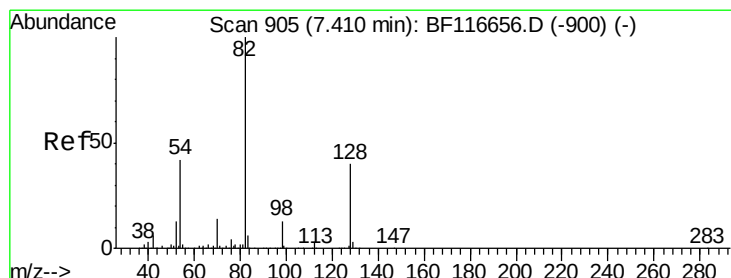
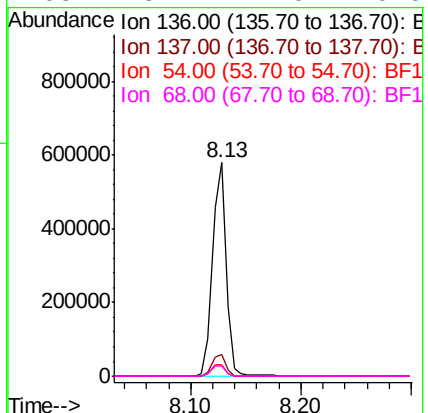
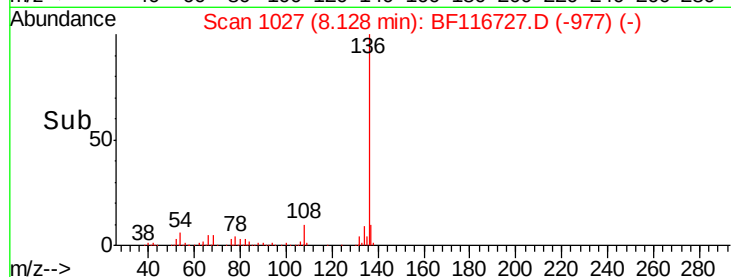
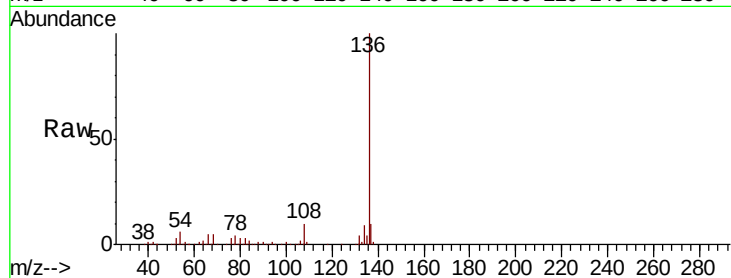




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116727.D
Acq: 1 Sep 2019 5:55

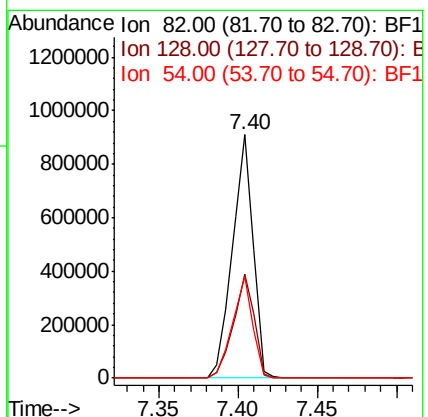
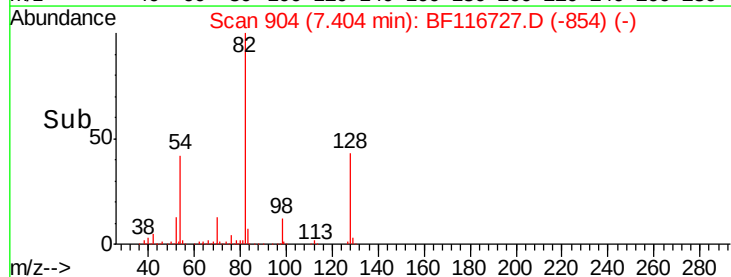
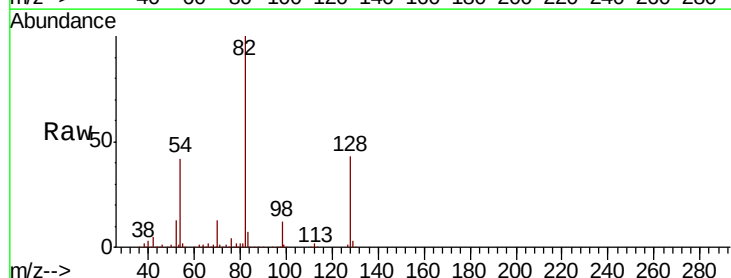
Instrument :
BNA_F
ClientSampleId :
T4-S-E

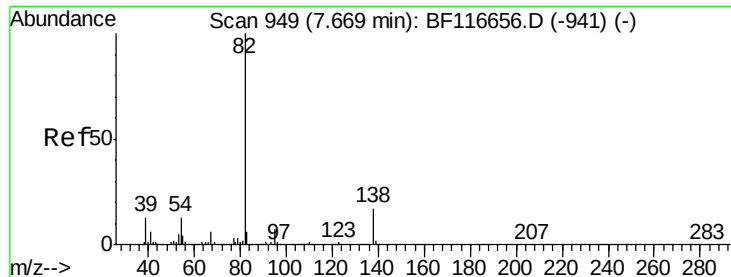
Tot Ion:136	Resp:	487643
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.9 13.3
54	5.5	4.8 7.2
68	5.1	4.0 6.0



#23
Nitrobenzene-d5
Concen: 96.914 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116727.D
Acq: 1 Sep 2019 5:55

Tgt Ion: 82	Resp:	827847
Ion	Ratio	Lower Upper
82	100	
128	42.6	32.8 49.2
54	41.8	36.9 55.3





#25

Isophorone

Concen: 47.827 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

Instrument :

BNA_F

ClientSampleId :

T4-S-E

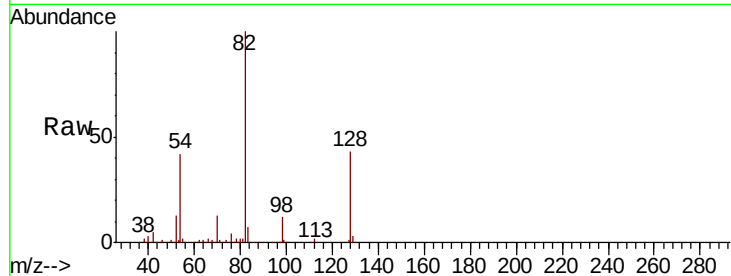
Tot Ion: 82 Resp: 827837

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

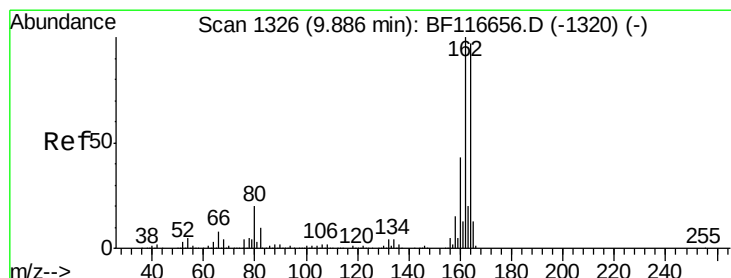
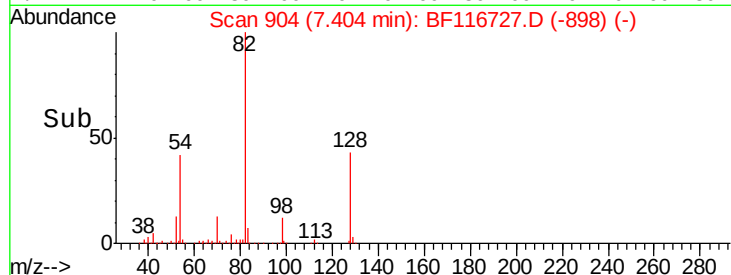
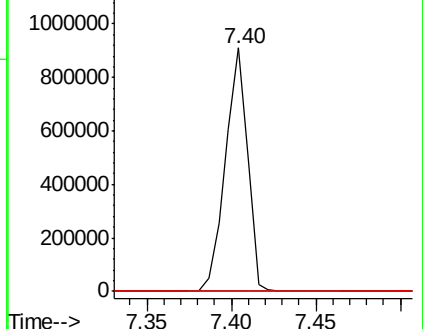
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

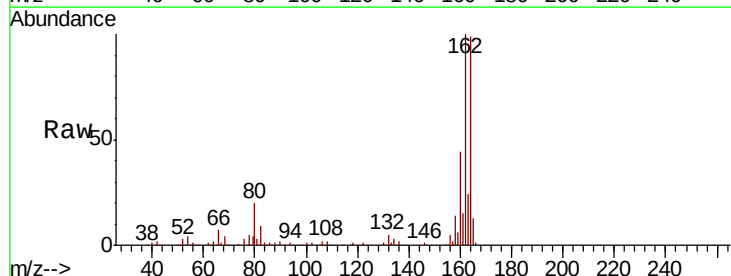
Tgt Ion: 164 Resp: 249821

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.0

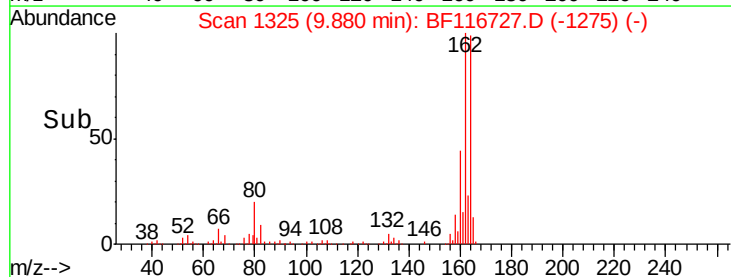
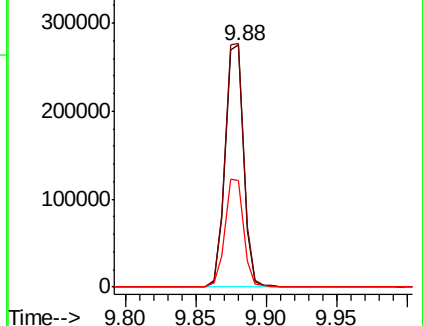
160 44.1 35.4 53.2

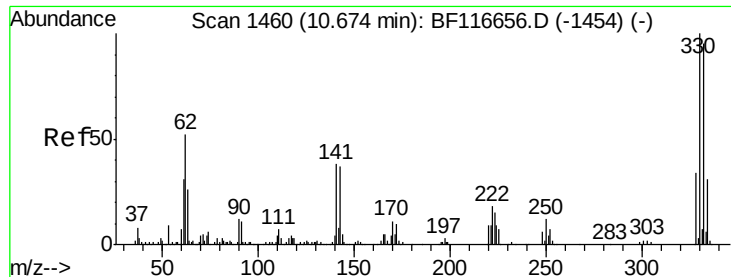


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

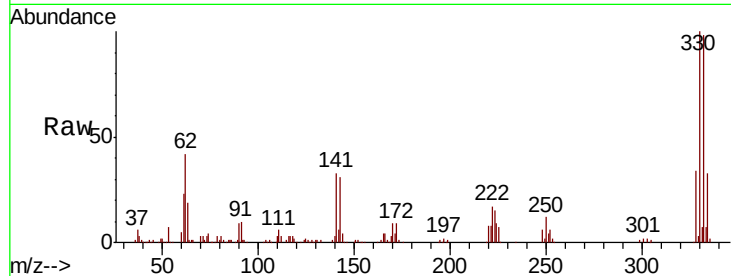




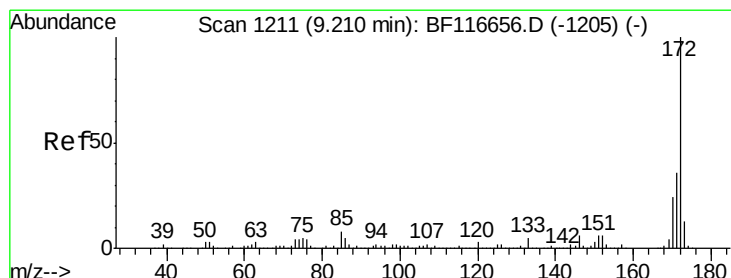
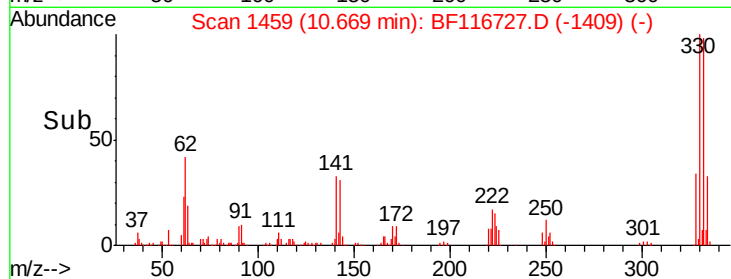
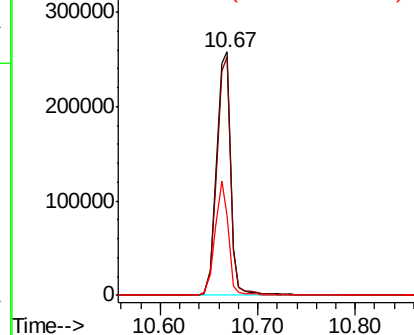
#42
 2,4,6-Tribromophenol
 Concen: 156.395 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116727.D
 Acq: 1 Sep 2019 5:55

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-E

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	44.0	31.4	47.2

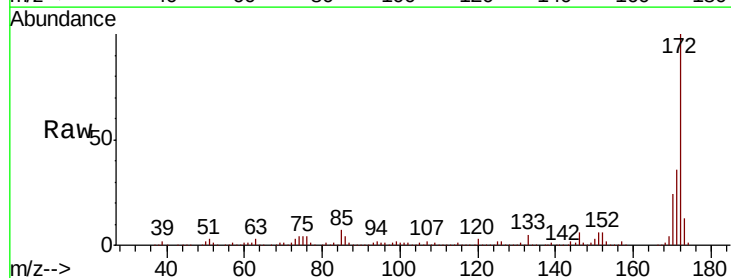


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

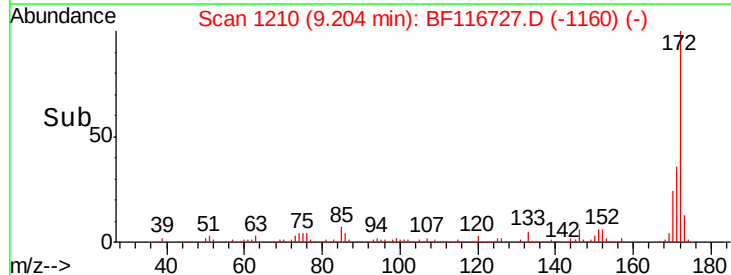
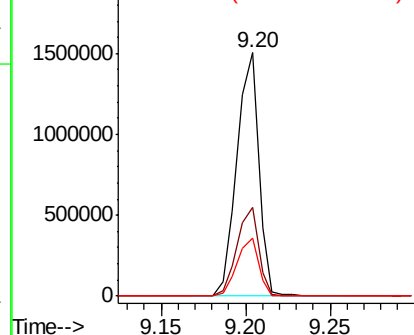


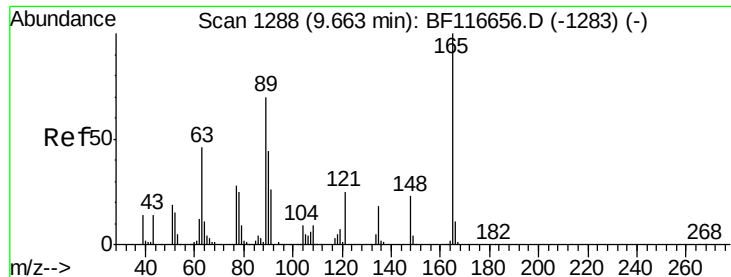
#45
 2-Fluorobiphenyl
 Concen: 91.662 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116727.D
 Acq: 1 Sep 2019 5:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.8	41.6
170	24.1	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

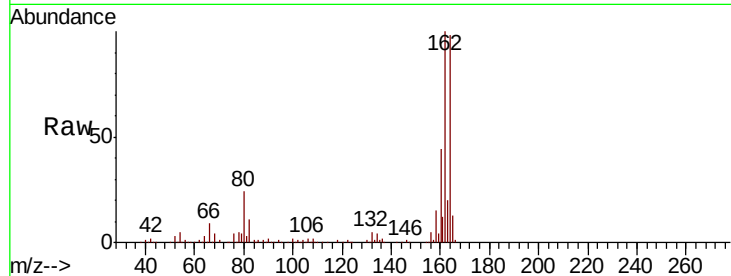




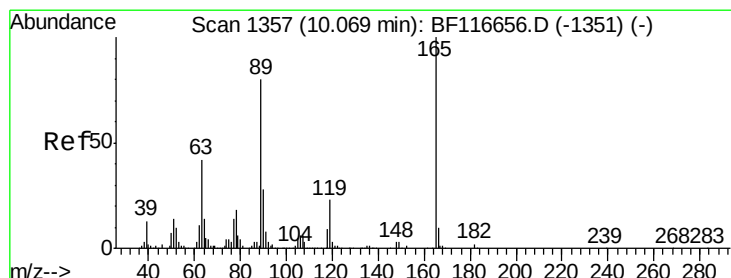
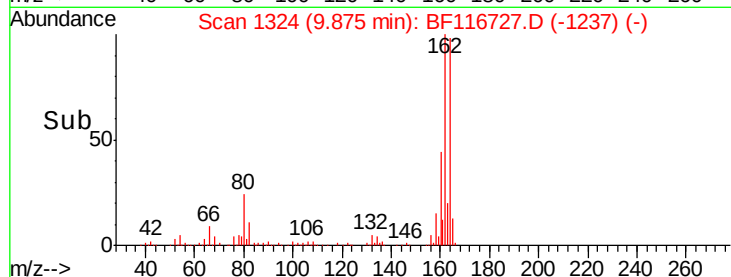
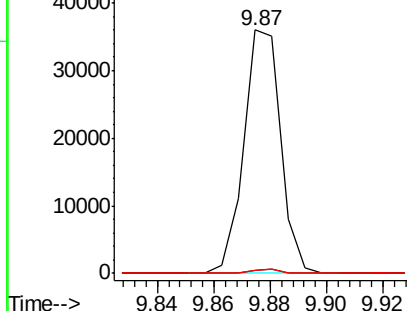
#51
 2,6-Dinitrotoluene
 Concen: 9.882 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF116727.D
 Acq: 1 Sep 2019 5:55

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-E

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.3	70.9#
89	1.2	52.5	78.7#

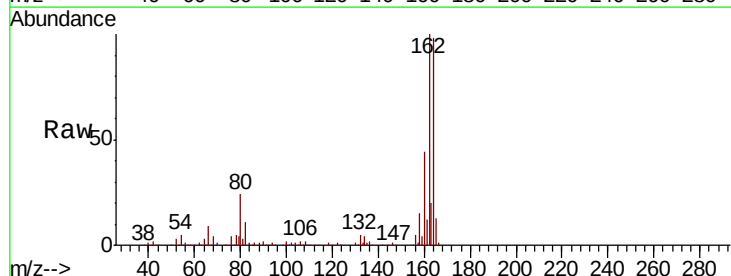


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

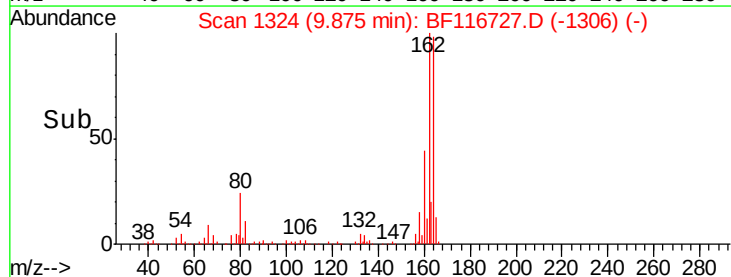
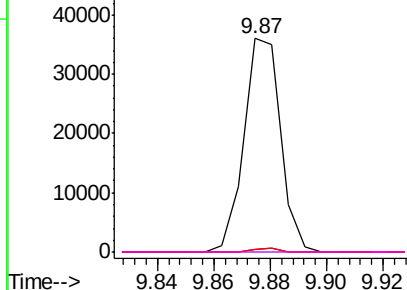


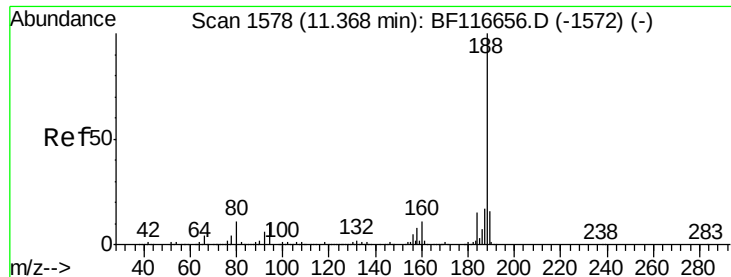
#57
 2,4-Dinitrotoluene
 Concen: 8.082 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF116727.D
 Acq: 1 Sep 2019 5:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

Instrument :

BNA_F

ClientSampleId :

T4-S-E

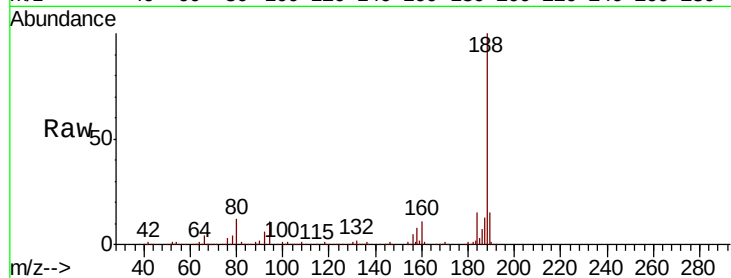
Tot Ion:188 Resp: 417939

Ion Ratio Lower Upper

188 100

94 10.9 7.3 10.9#

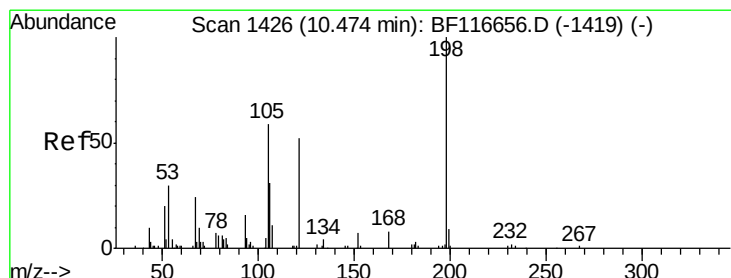
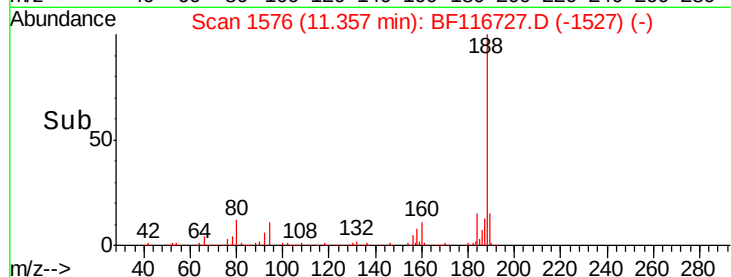
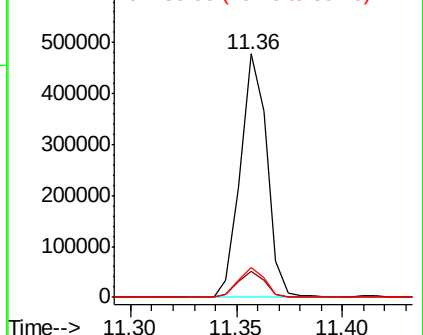
80 12.4 8.4 12.6



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: 7.821 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

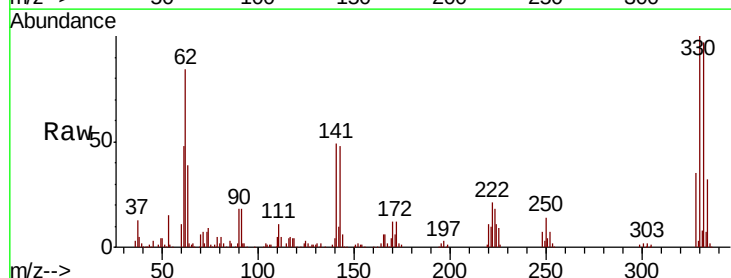
Tgt Ion:198 Resp: 674

Ion Ratio Lower Upper

198 100

51 180.3 18.4 58.4#

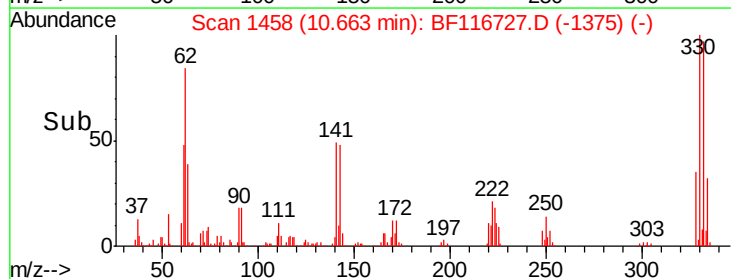
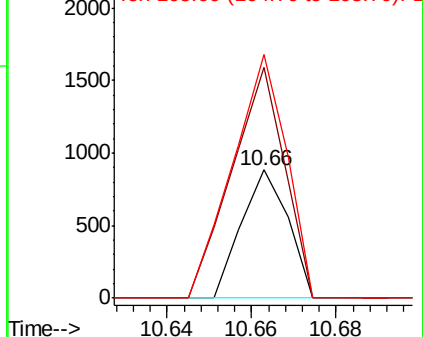
105 190.1 22.9 62.9#

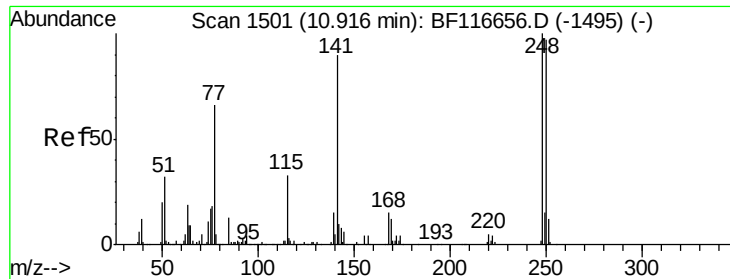


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

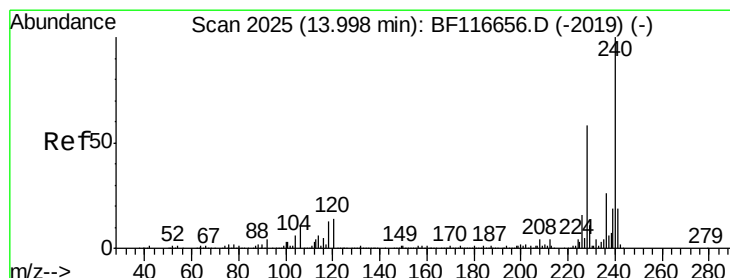
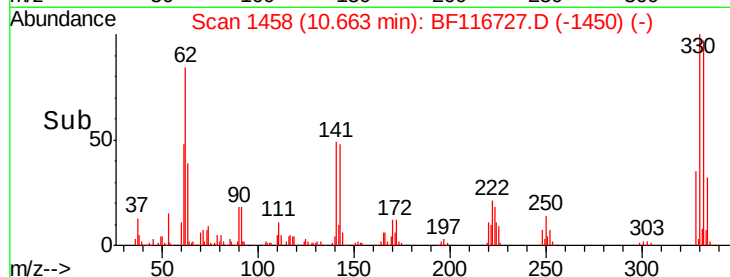
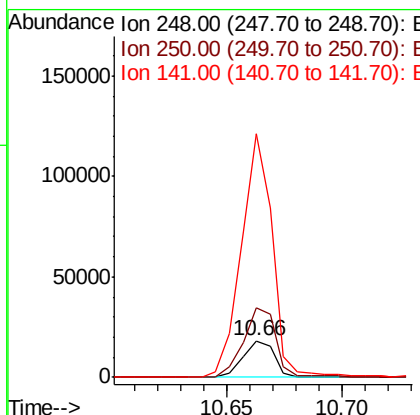
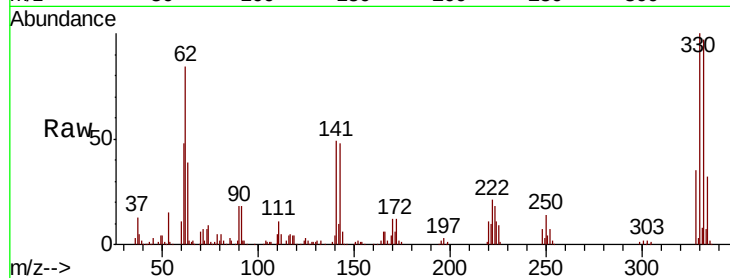




#67
4-Bromophenyl-phenylether
Concen: 4.115 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116727.D
Acq: 1 Sep 2019 5:55

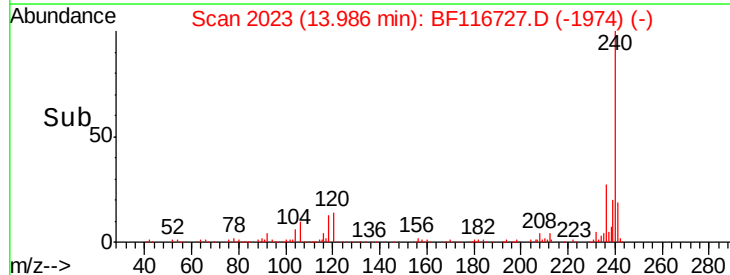
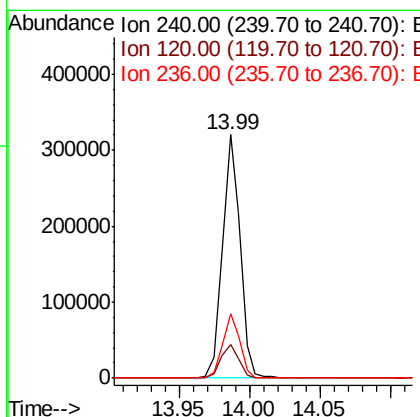
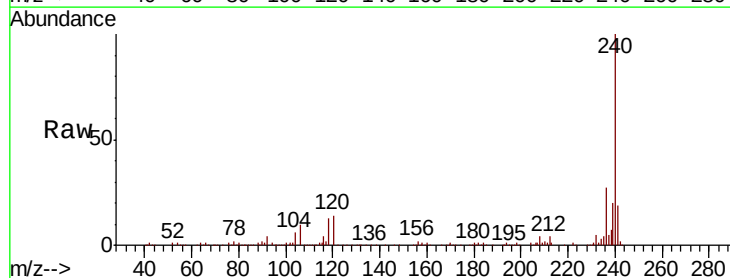
Instrument :
BNA_F
ClientSampleId :
T4-S-E

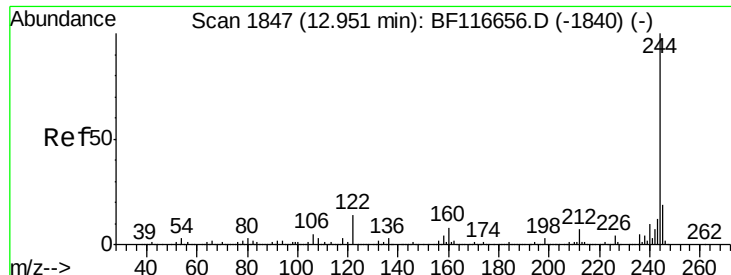
Tot Ion:248 Resp: 17473
Ion Ratio Lower Upper
248 100
250 191.0 77.8 116.8#
141 668.2 75.9 113.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116727.D
Acq: 1 Sep 2019 5:55

Tgt Ion:240 Resp: 277028
Ion Ratio Lower Upper
240 100
120 13.8 9.1 13.7#
236 26.5 21.1 31.7





#79

Terphenyl-d14

Concen: 94.835 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

Instrument :

BNA_F

ClientSampled :

T4-S-E

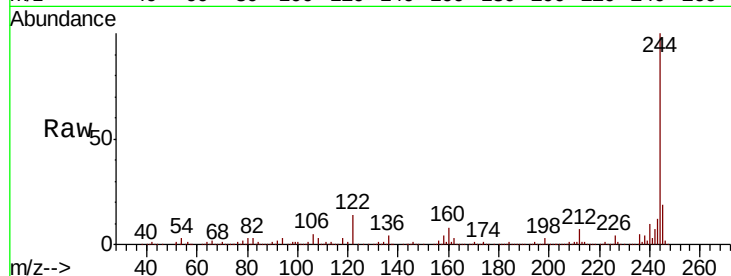
Tot Ion:244 Resp: 1420144

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

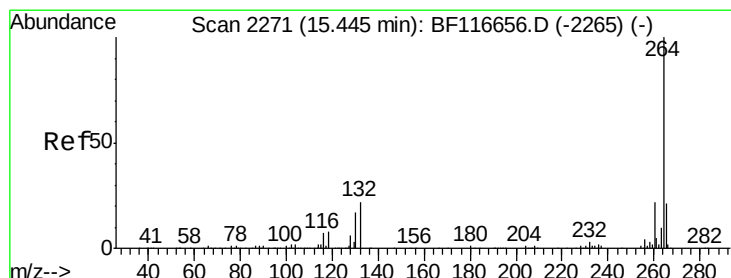
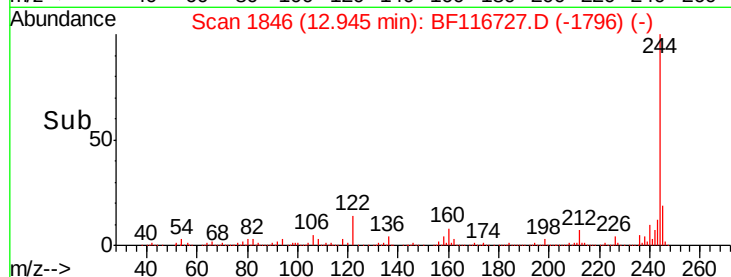
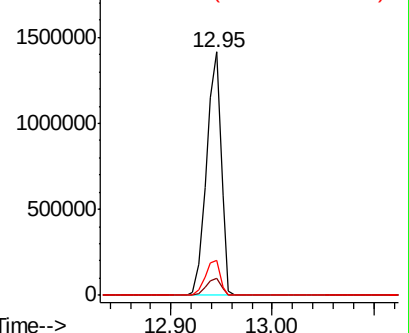
122 14.2 10.2 15.4



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: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF116727.D

Acq: 1 Sep 2019 5:55

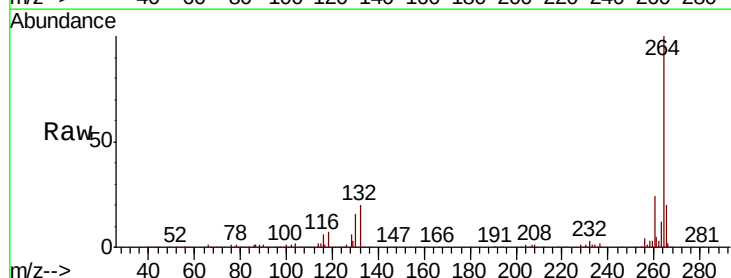
Tgt Ion:264 Resp: 303912

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 20.4 16.5 24.7



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

