

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116726.D
 Acq On : 1 Sep 2019 5:28
 Operator : HP/JU
 Sample : K4517-33
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

Quant Time: Sep 01 06:30:41 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

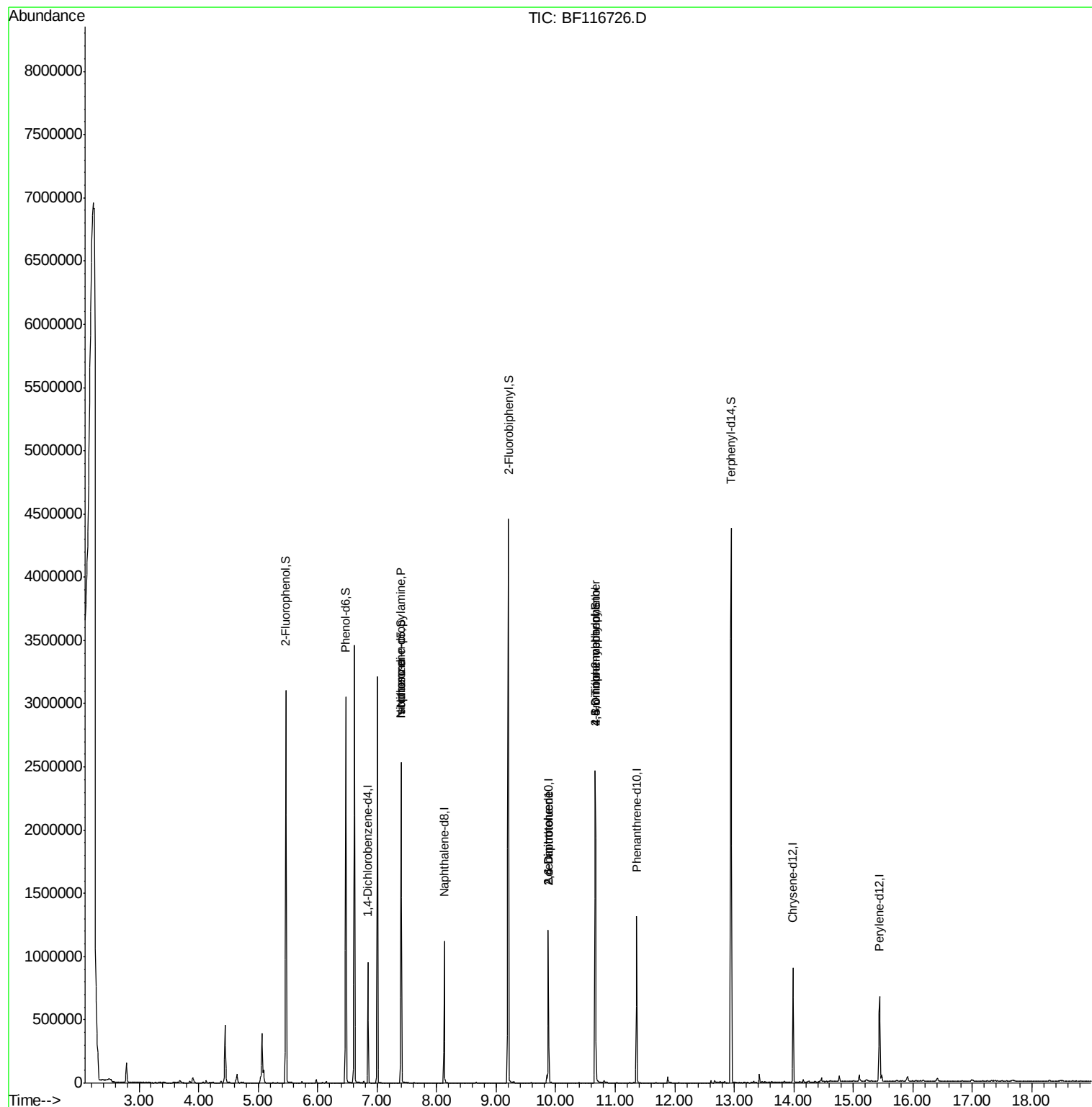
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123931	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	488007	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	253985	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	427046	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	280982	20.00	ng	-0.01
87) Perylene-d12	15.44	264	288420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	922088	120.54	ng	0.00
7) Phenol-d6	6.47	99	1184790	117.95	ng	0.00
23) Nitrobenzene-d5	7.40	82	852439	99.72	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	278770	164.18	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1410473	93.68	ng	0.00
79) Terphenyl-d14	12.95	244	1509923	99.41	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	115024	17.391	ng	# 73
25) Isophorone	7.40	82	852559	49.218	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	31417	9.391	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	31417	7.680	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	596	7.771	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	17513	4.037	ng	# 1

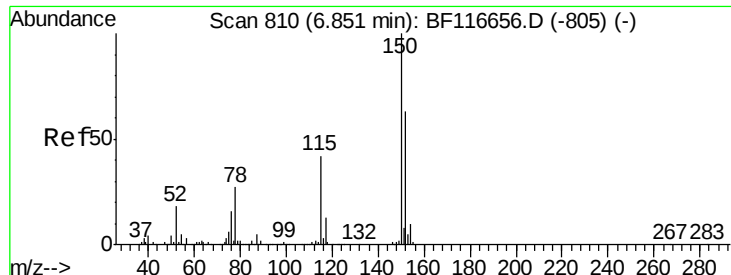
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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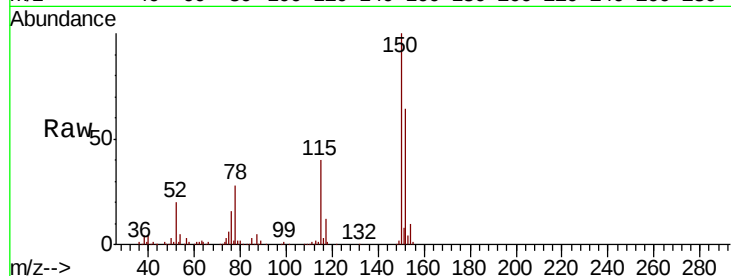


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116726.D
Acq: 1 Sep 2019 5:28

Instrument :
BNA_F
ClientSampleId :
T4-S-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.4	186.6
115	62.5	49.9	74.9

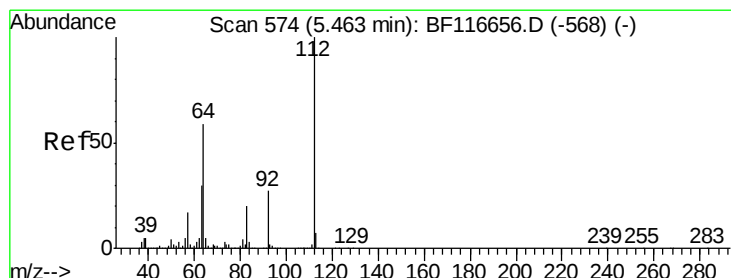
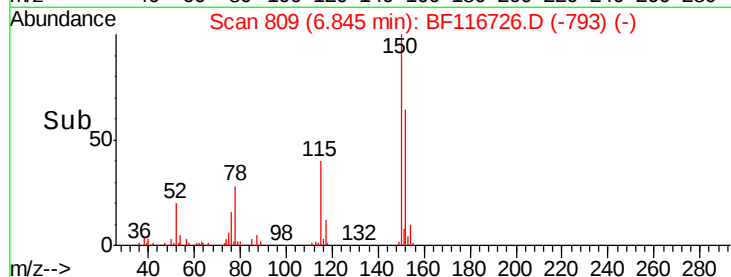
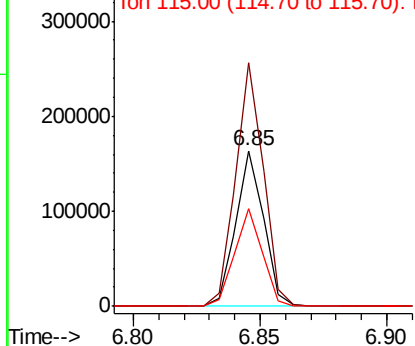


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

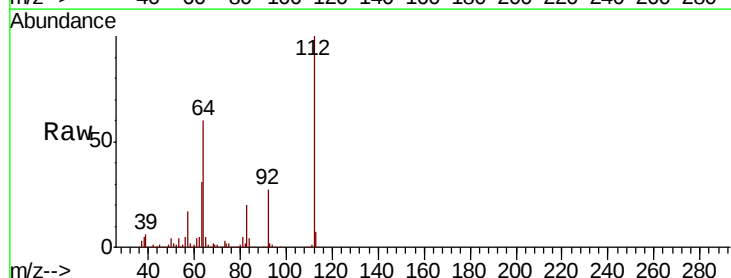
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.538 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116726.D
Acq: 1 Sep 2019 5:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.1	70.7
63	31.5	24.9	37.3

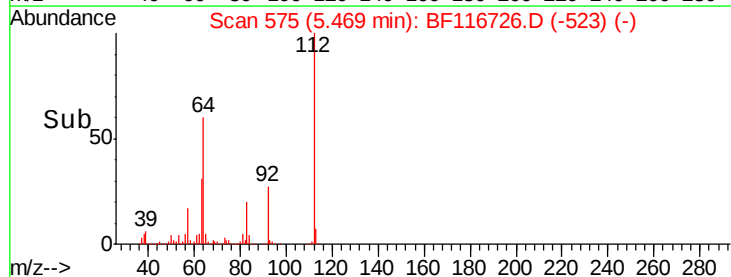
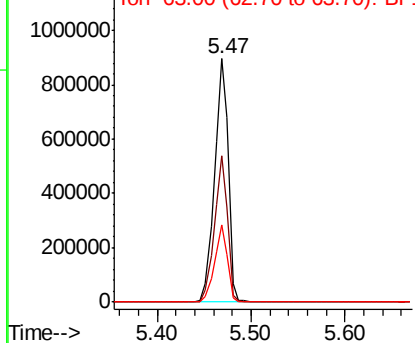


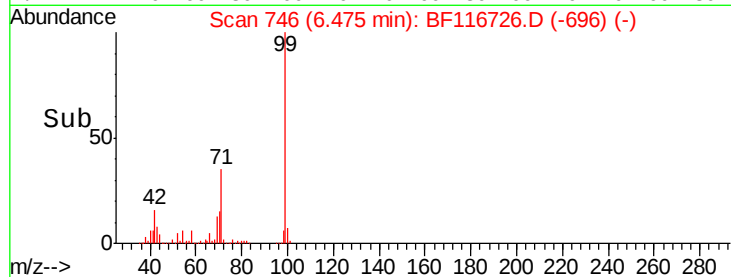
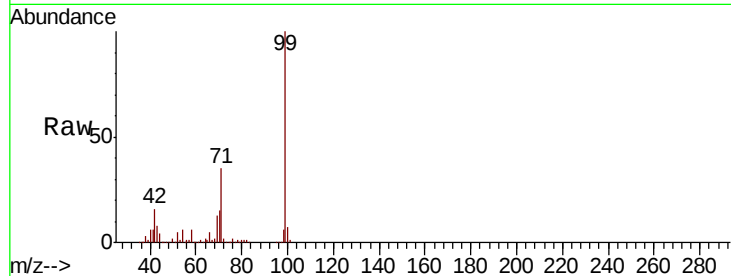
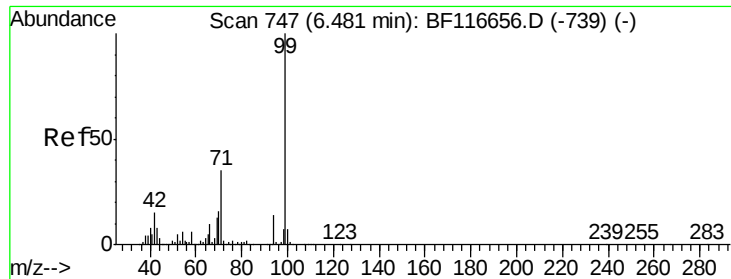
Abundance

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: 117.948 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

Instrument :

BNA_F

ClientSampleId :

T4-S-C

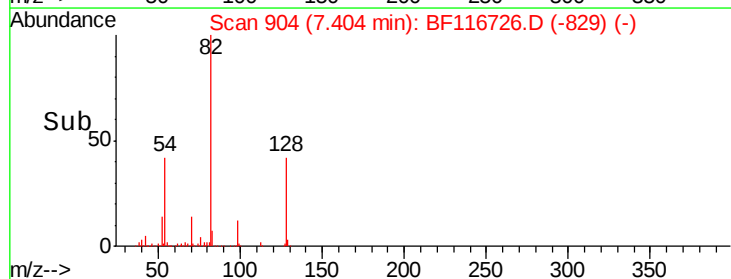
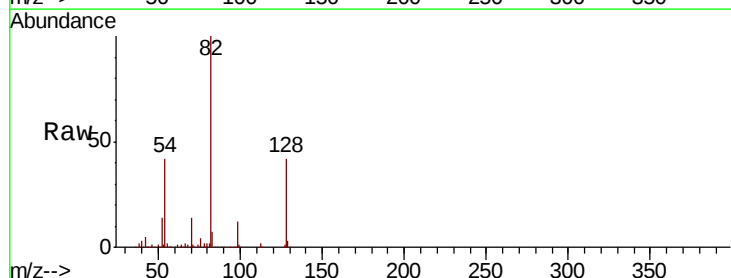
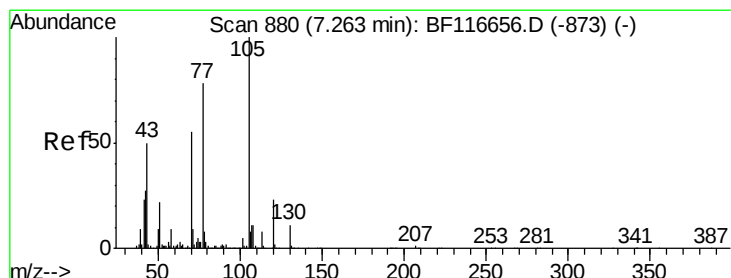
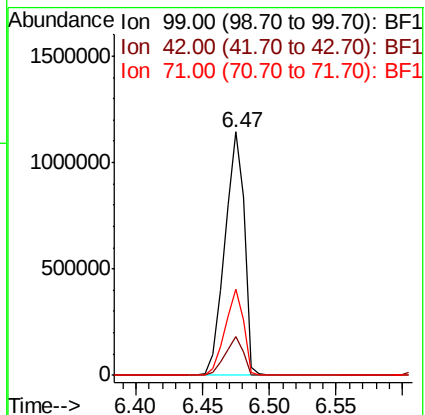
Tot Ion: 99 Resp: 1184790

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

71 35.3 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.391 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

Tgt Ion: 70 Resp: 115024

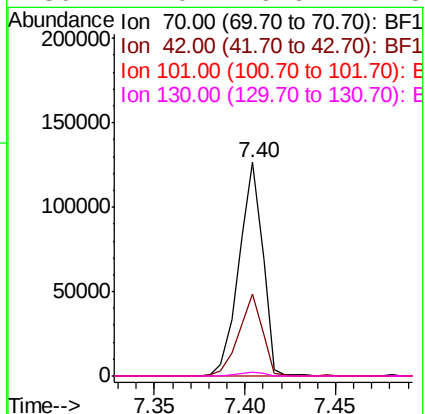
Ion Ratio Lower Upper

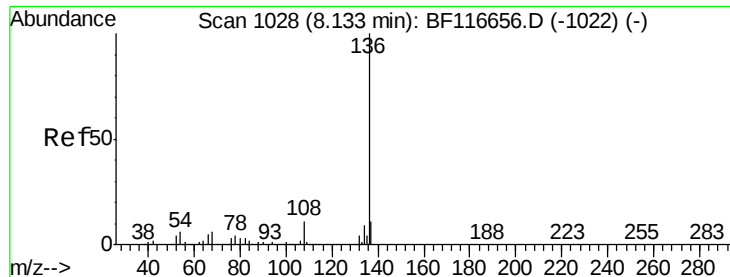
70 100

42 38.1 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

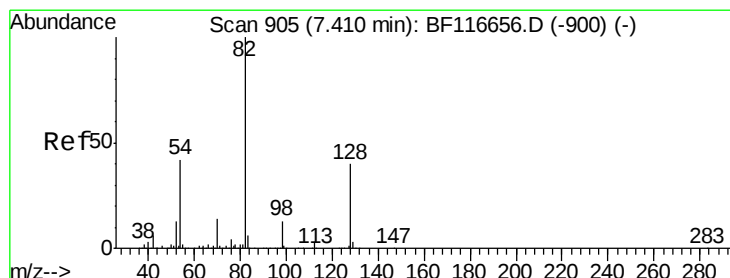
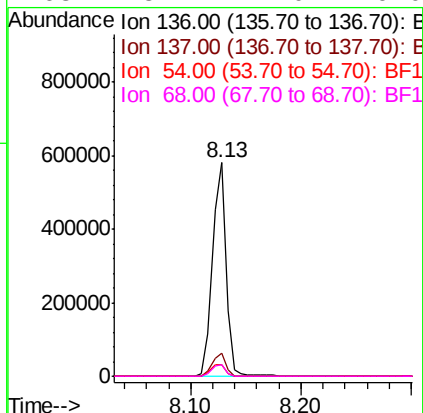
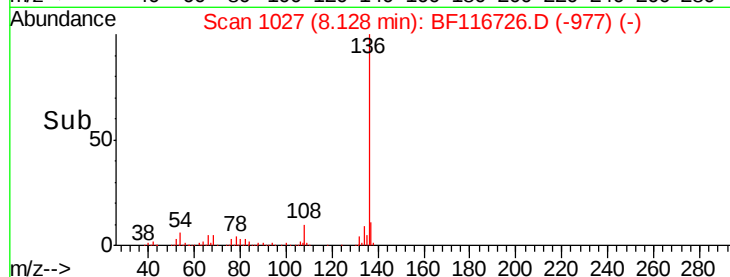
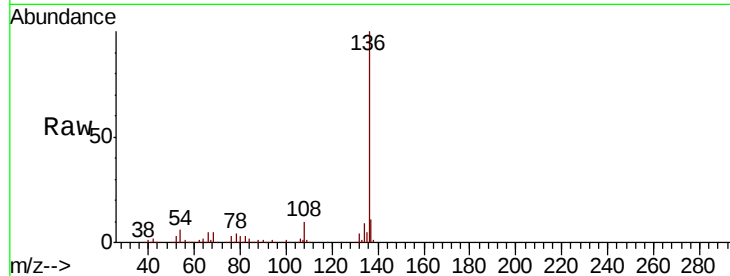




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116726.D
Acq: 1 Sep 2019 5:28

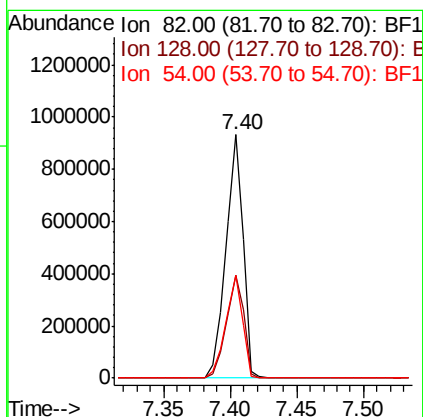
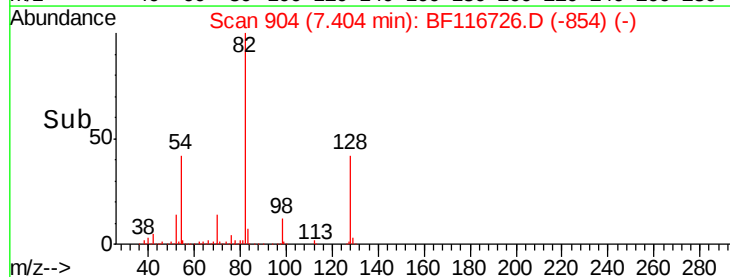
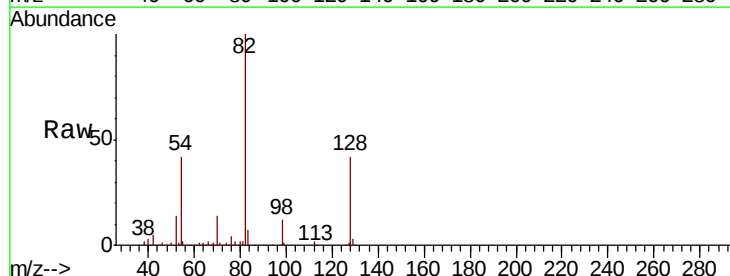
Instrument :
BNA_F
ClientSampleId :
T4-S-C

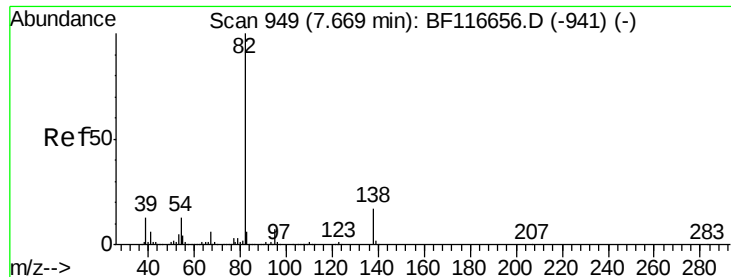
Tot Ion:136	Resp:	488007
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.9	13.3
54 5.7	4.8	7.2
68 5.4	4.0	6.0



#23
Nitrobenzene-d5
Concen: 99.719 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116726.D
Acq: 1 Sep 2019 5:28

Tgt	Ion: 82	Resp:	852439
Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.8	49.2
54	42.3	36.9	55.3





#25

Isophorone

Concen: 49.218 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

Instrument :

BNA_F

ClientSampleId :

T4-S-C

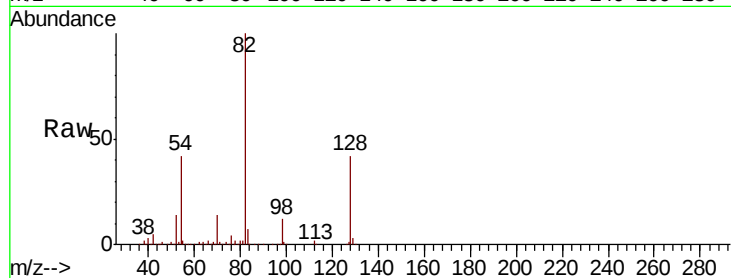
Tot Ion: 82 Resp: 852559

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

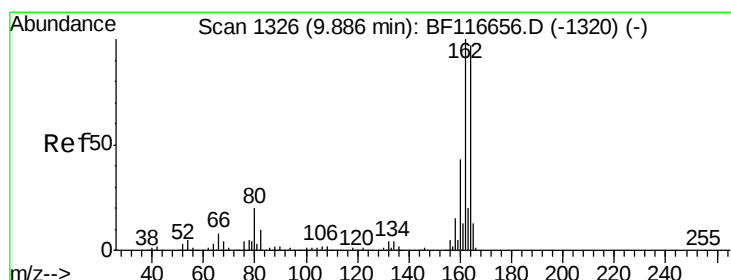
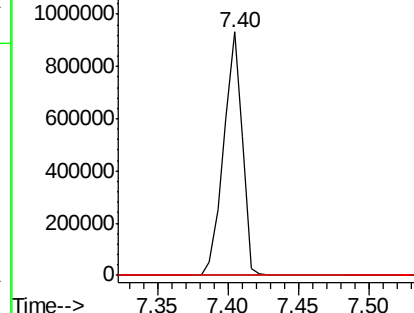
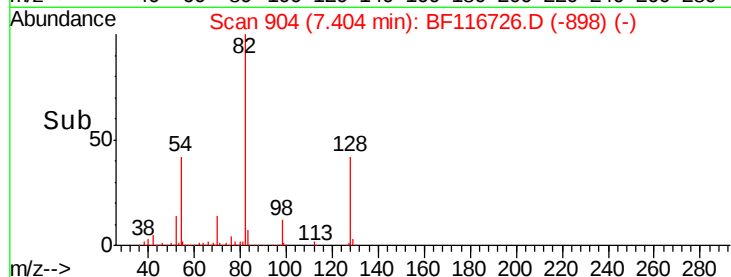
138 0.0 13.5 20.3#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

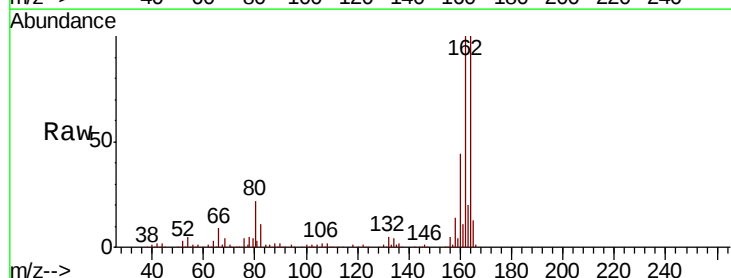
Tgt Ion: 164 Resp: 253985

Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

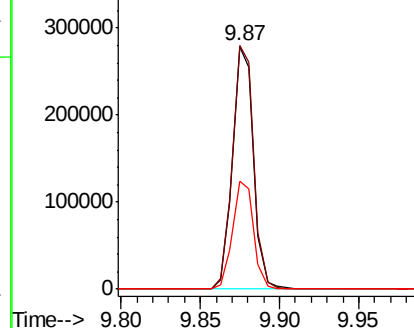
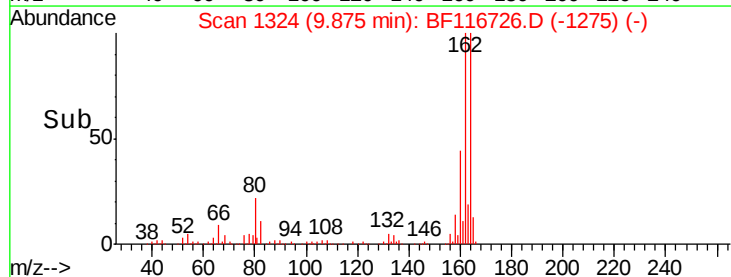
160 44.4 35.4 53.2

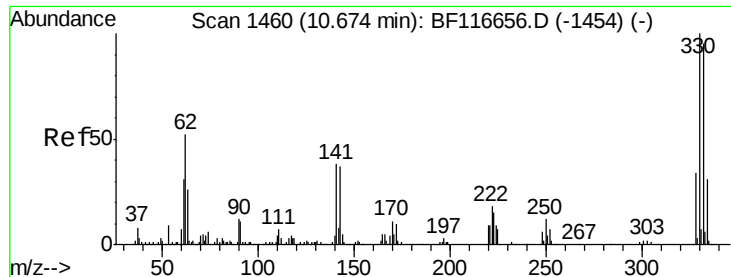


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

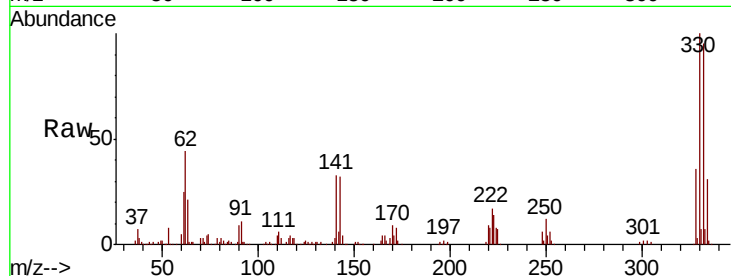




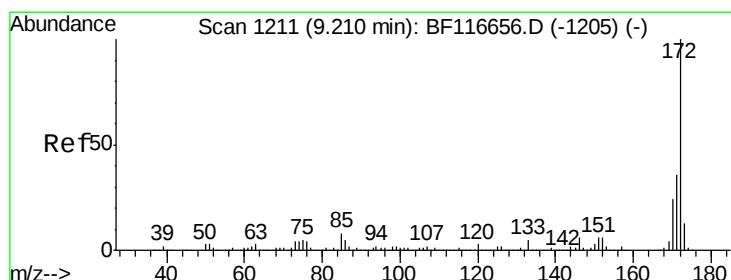
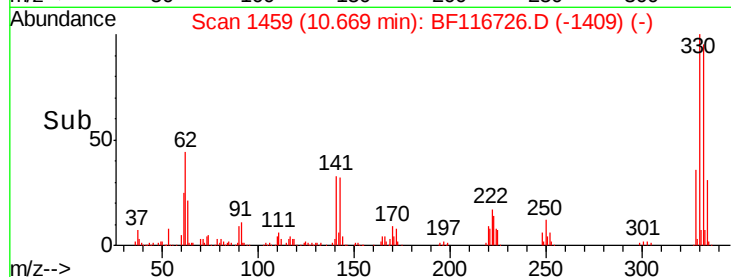
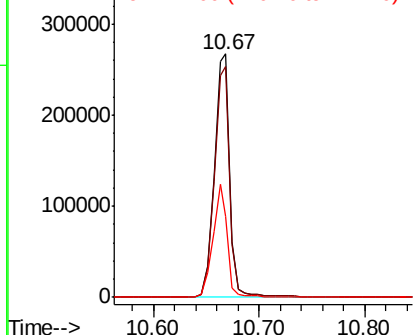
#42
 2,4,6-Tribromophenol
 Concen: 164.181 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116726.D
 Acq: 1 Sep 2019 5:28

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

Tot Ion:330 Resp: 278770
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.9 115.3
 141 42.8 31.4 47.2

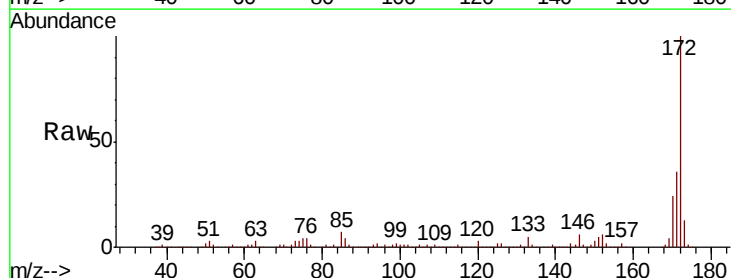


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

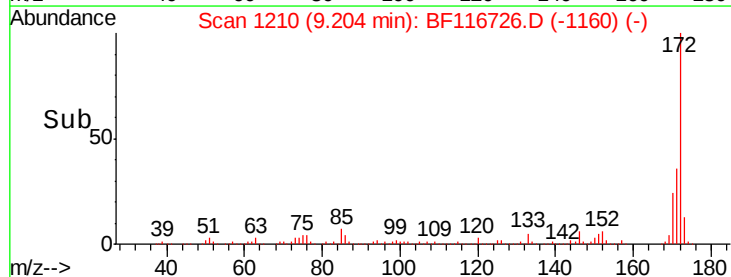
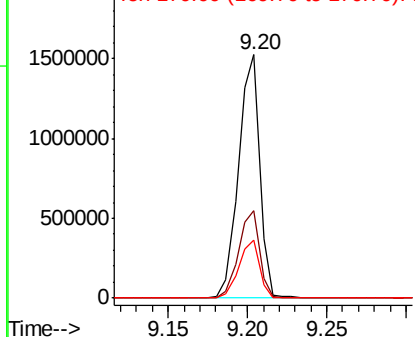


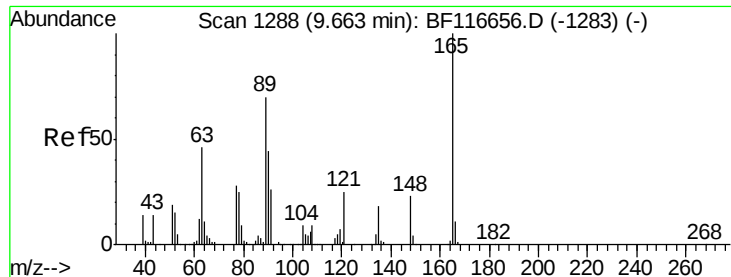
#45
 2-Fluorobiphenyl
 Concen: 93.680 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116726.D
 Acq: 1 Sep 2019 5:28

Tgt Ion:172 Resp: 1410473
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.8 41.6
 170 23.8 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: 9.391 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

Instrument :

BNA_F

ClientSampleId :

T4-S-C

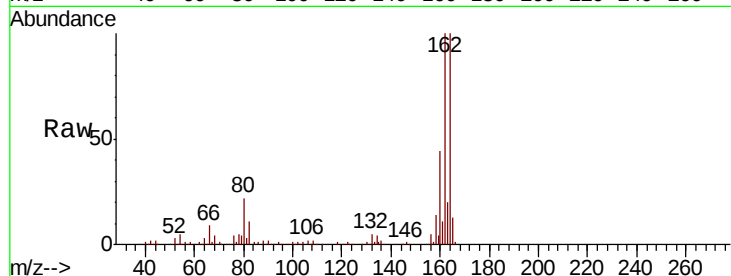
Tot Ion:165 Resp: 31417

Ion Ratio Lower Upper

165 100

63 0.9 47.3 70.9#

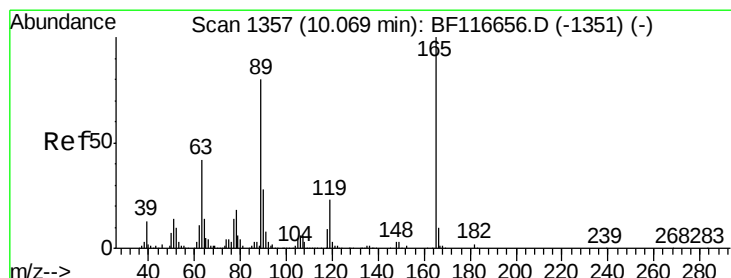
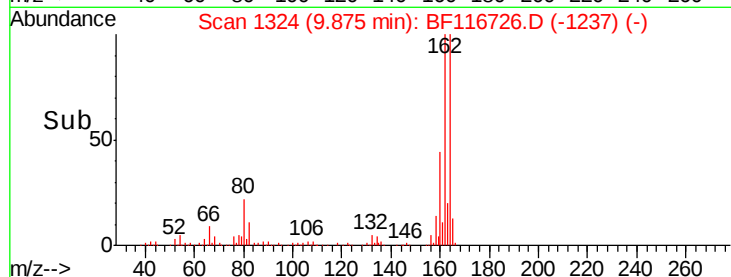
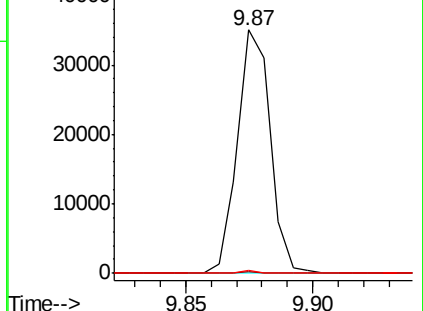
89 1.3 52.5 78.7#



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: 7.680 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.19 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

Tgt Ion:165 Resp: 31417

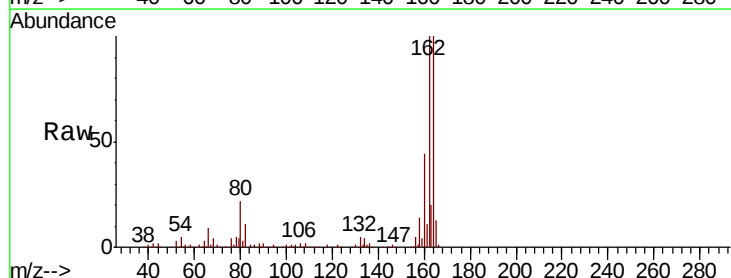
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.3 62.6 94.0#

182 0.0 2.1 3.1#

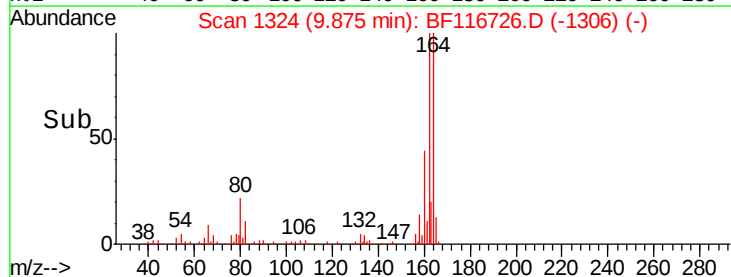
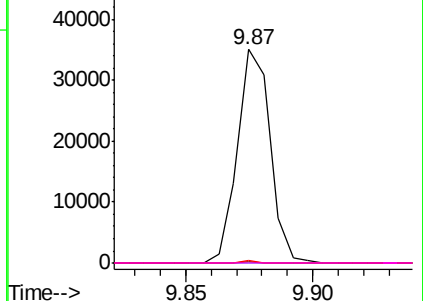


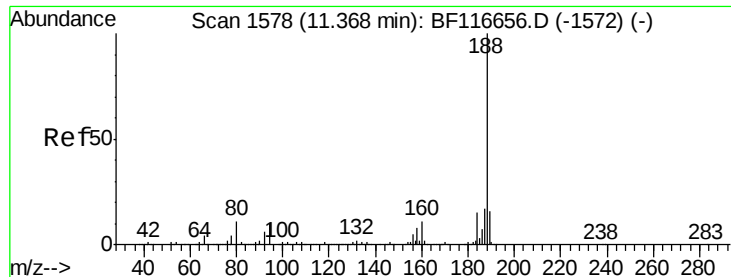
Abundance Ion 165.00 (164.70 to 165.70): E

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

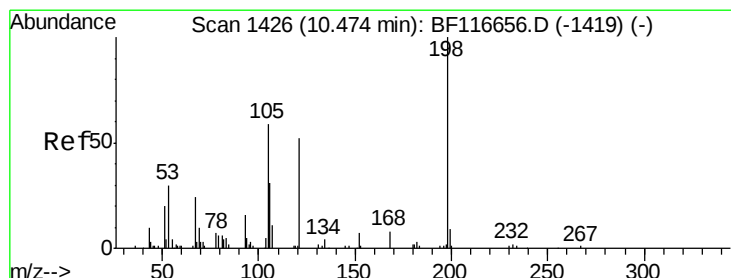
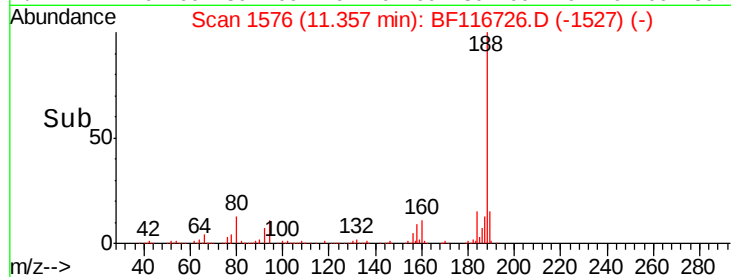
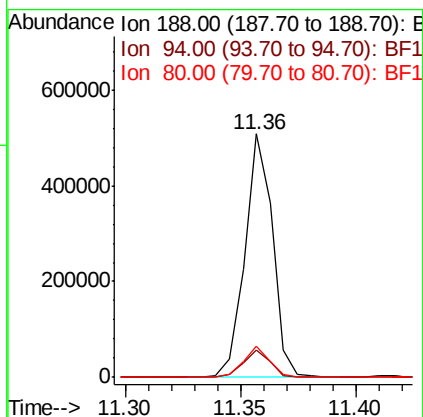
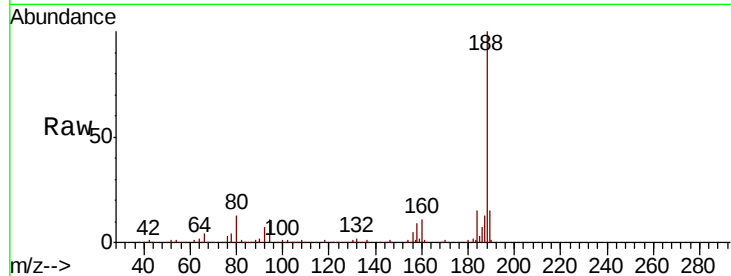




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116726.D
Acq: 1 Sep 2019 5:28

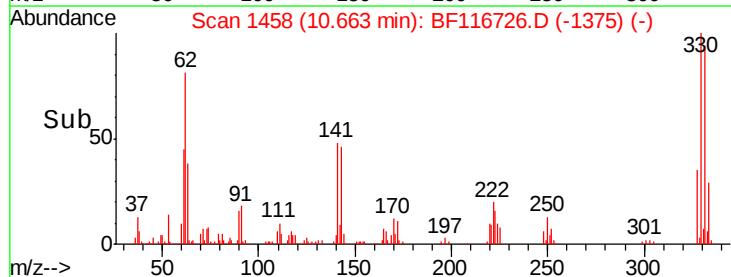
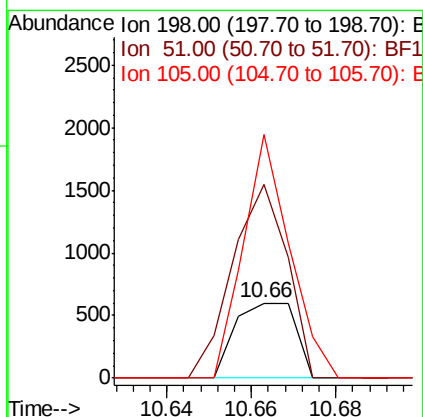
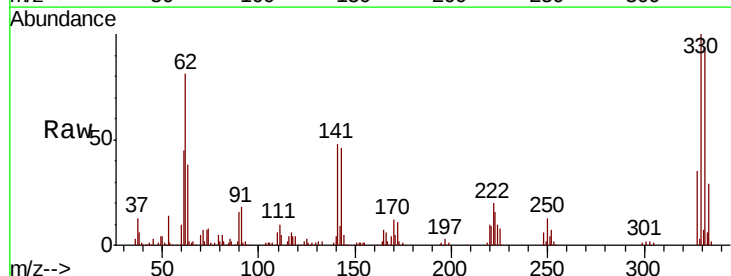
Instrument :
BNA_F
ClientSampleId :
T4-S-C

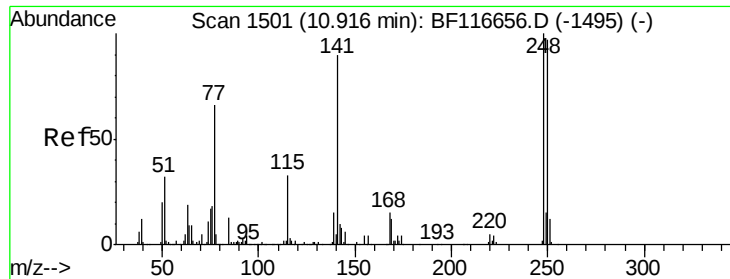
Tot Ion:188 Resp: 427046
Ion Ratio Lower Upper
188 100
94 11.4 7.3 10.9#
80 12.7 8.4 12.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.771 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116726.D
Acq: 1 Sep 2019 5:28

Tgt Ion:198 Resp: 596
Ion Ratio Lower Upper
198 100
51 258.2 18.4 58.4#
105 323.5 22.9 62.9#

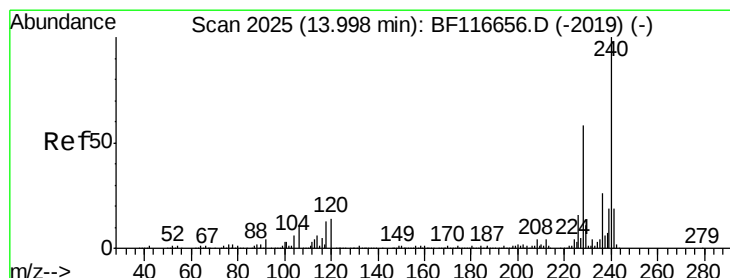
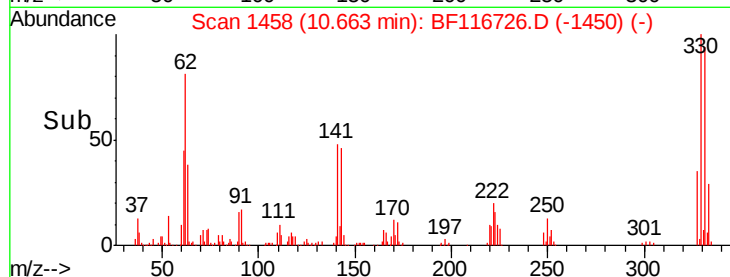
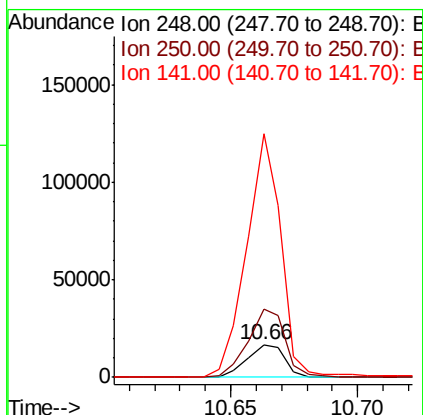
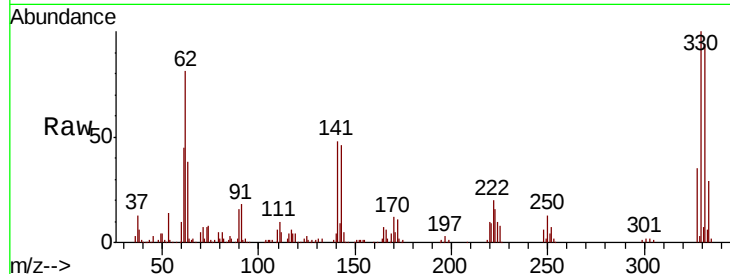




#67
 4-Bromophenyl-phenylether
 Concen: 4.037 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116726.D
 Acq: 1 Sep 2019 5:28

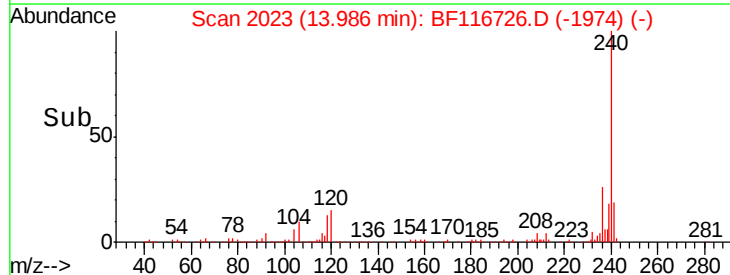
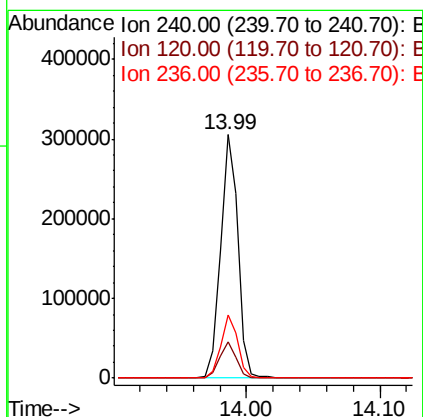
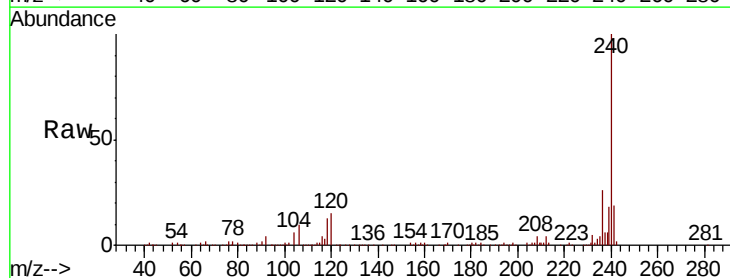
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

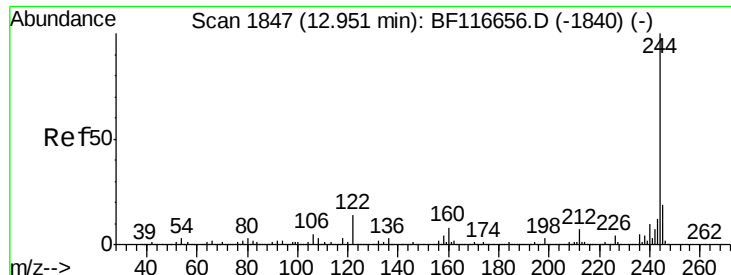
Tot Ion:248 Resp: 17513
 Ion Ratio Lower Upper
 248 100
 250 208.1 77.8 116.8#
 141 747.3 75.9 113.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116726.D
 Acq: 1 Sep 2019 5:28

Tgt Ion:240 Resp: 280982
 Ion Ratio Lower Upper
 240 100
 120 14.9 9.1 13.7#
 236 25.8 21.1 31.7





#79

Terphenyl-d14

Concen: 99.411 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116726.D

Acq: 1 Sep 2019 5:28

Instrument :

BNA_F

ClientSampleId :

T4-S-C

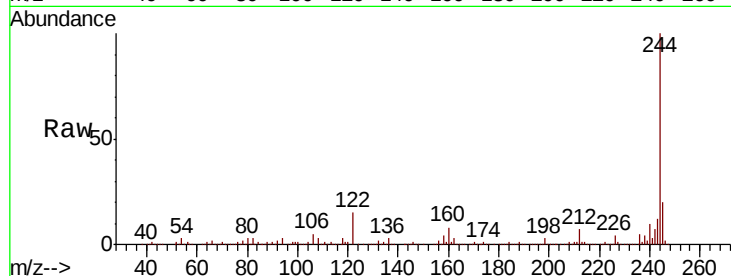
Tot Ion:244 Resp: 1509923

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

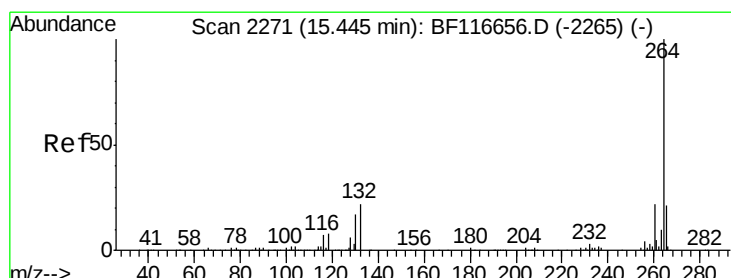
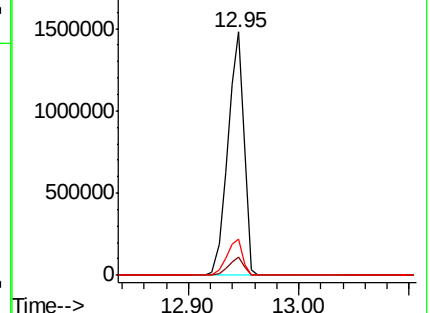
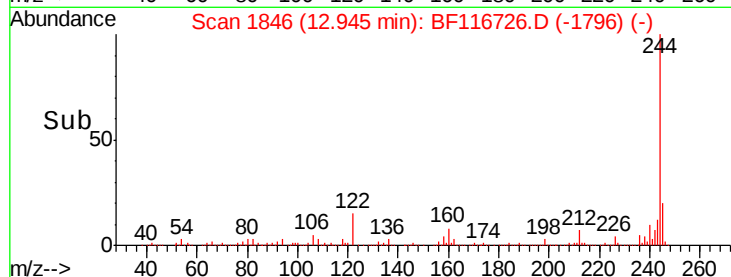
122 15.0 10.2 15.4



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: BF116726.D

Acq: 1 Sep 2019 5:28

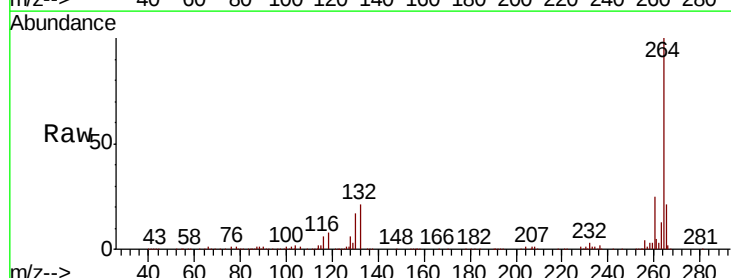
Tgt Ion:264 Resp: 288420

Ion Ratio Lower Upper

264 100

260 24.9 18.3 27.5

265 21.2 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

