

Data File : BF116054.D
Acq On : 7 Aug 2019 18:27
Operator : HP/JU
Sample : K4142-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PS-1

Quant Time: Aug 08 07:44:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

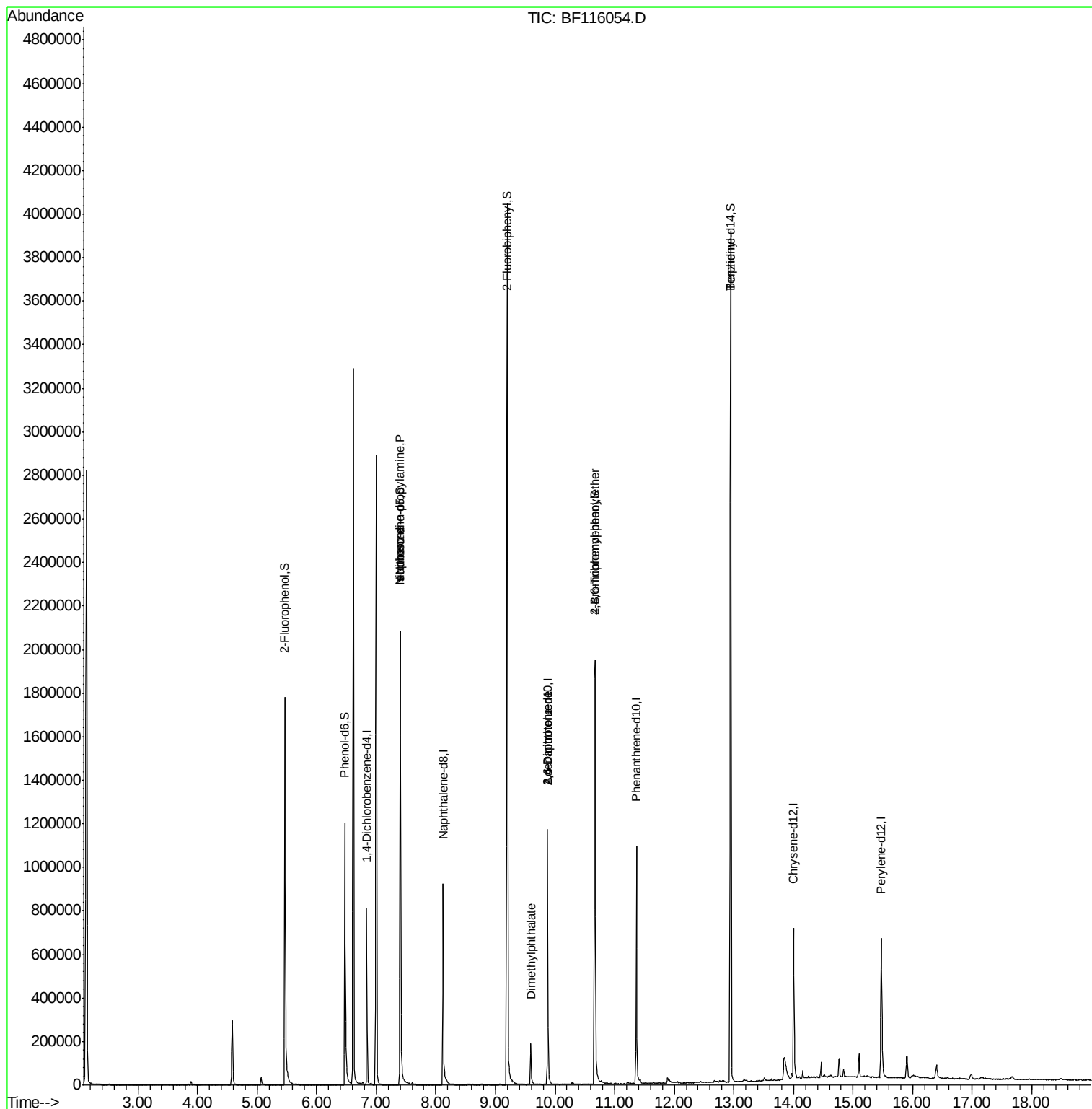
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	129162	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	492519	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	254382	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	430671	20.00	ng	0.00
76) Chrysene-d12	14.00	240	247556	20.00	ng	0.00
87) Perylene-d12	15.47	264	306721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	550880	71.40	ng	0.00
7) Phenol-d6	6.47	99	481492	49.46	ng	-0.01
23) Nitrobenzene-d5	7.40	82	827271	96.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	299223	121.32	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1400866	103.15	ng	0.00
79) Terphenyl-d14	12.94	244	1359161	115.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	108694	18.019	ng	# 81
25) Isophorone	7.40	82	828589	50.786	ng	# 65
50) Dimethylphthalate	9.59	163	98178	5.668	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	32270	8.573	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32270	6.439	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	18135	3.934	ng	# 1
77) Benzidine	12.94	184	18646	2.229	ng	# 95

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

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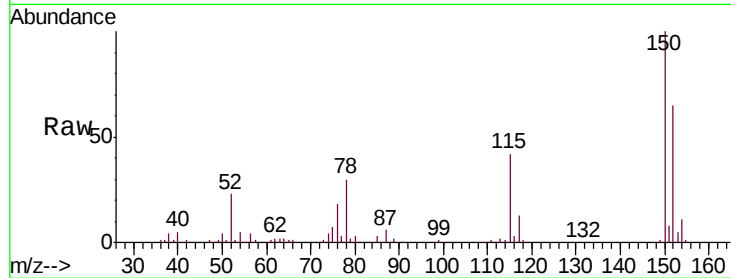




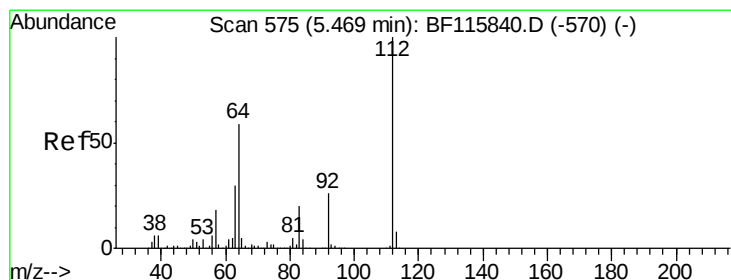
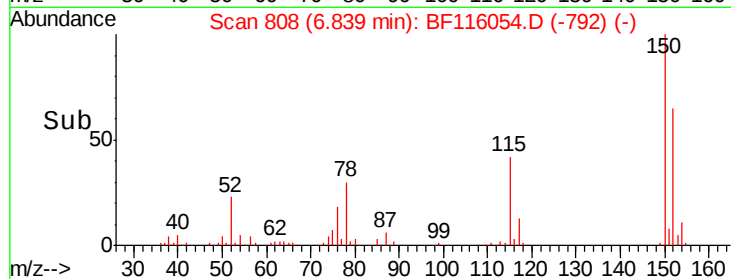
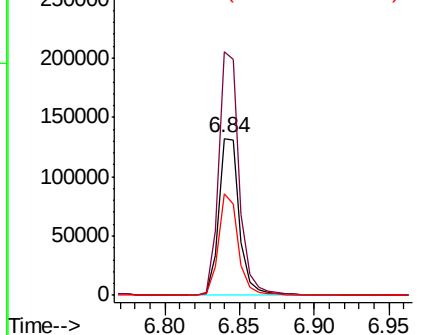
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116054.D
 Acq: 7 Aug 2019 18:27

Instrument :
 BNA_F
 ClientSampled :
 PS-1

Tgt Ion:152 Resp: 129162
 Ion Ratio Lower Upper
 152 100
 150 154.9 126.2 189.2
 115 64.5 49.9 74.9

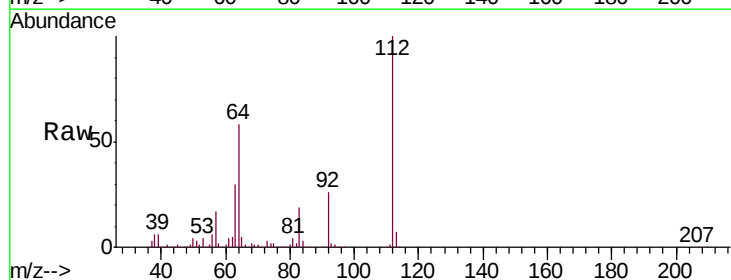


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

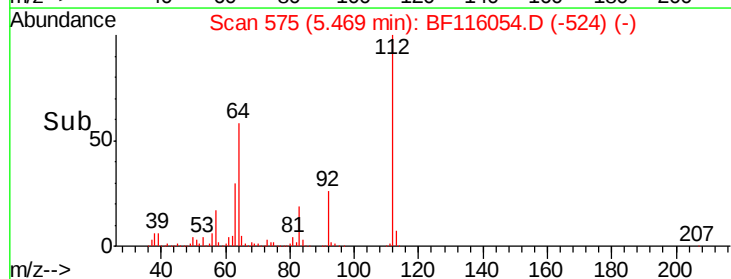
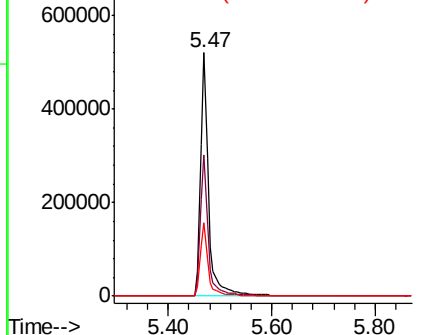


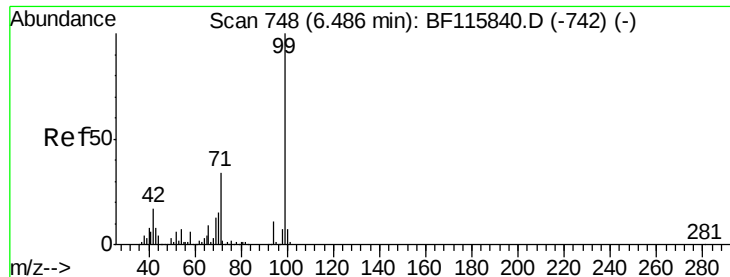
#5
 2-Fluorophenol
 Concen: 71.399 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF116054.D
 Acq: 7 Aug 2019 18:27

Tgt Ion:112 Resp: 550880
 Ion Ratio Lower Upper
 112 100
 64 57.8 45.4 68.2
 63 30.0 23.7 35.5



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: 49.463 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

Instrument :

BNA_F

ClientSampleId :

PS-1

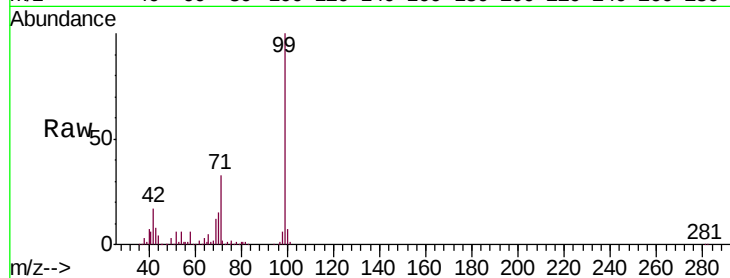
Tgt Ion: 99 Resp: 481492

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.8

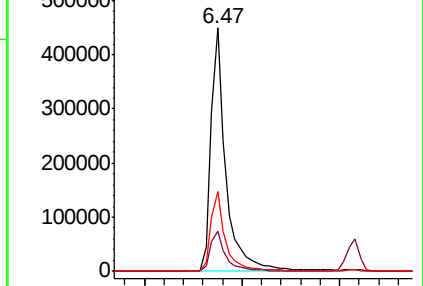
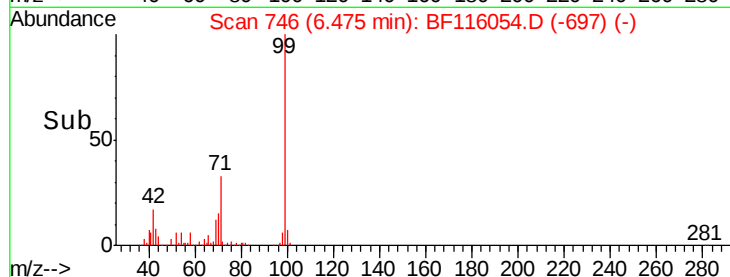
71 32.5 27.3 40.9



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: 18.019 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

Tgt Ion: 70 Resp: 108694

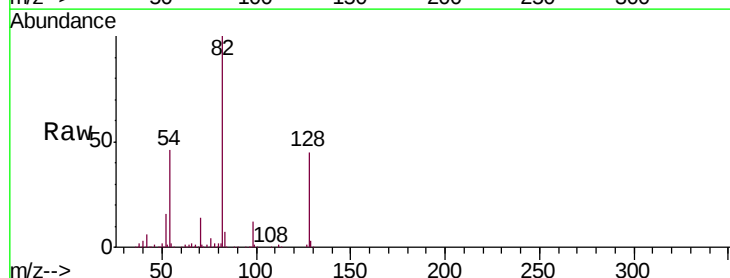
Ion Ratio Lower Upper

70 100

42 45.3 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

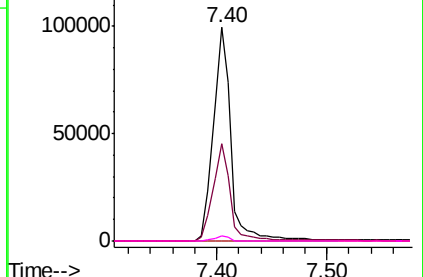
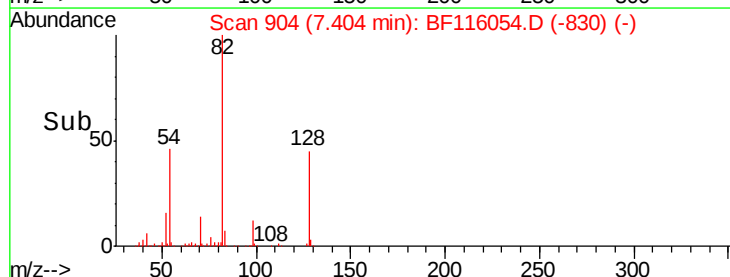


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

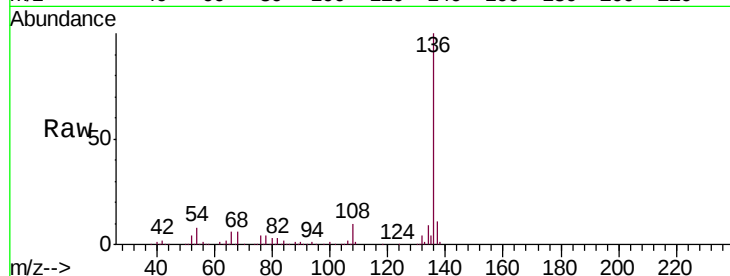




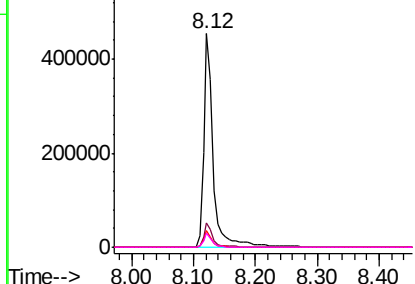
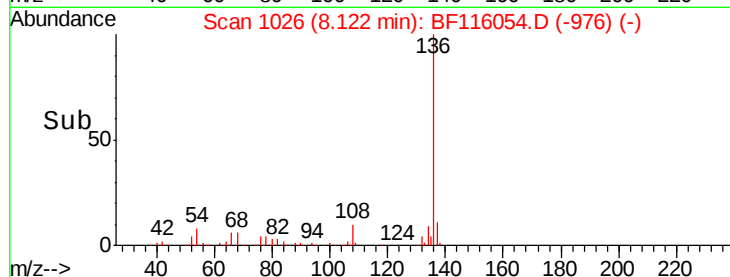
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116054.D
Acq: 7 Aug 2019 18:27

Instrument :
BNA_F
ClientSampleId :
PS-1

Tgt Ion:	136	Resp:	492519
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.6	5.8	8.6
68	6.4	5.2	7.8

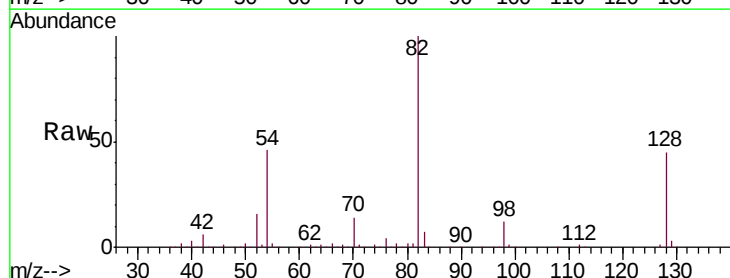


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

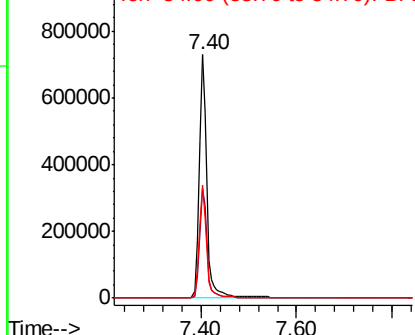
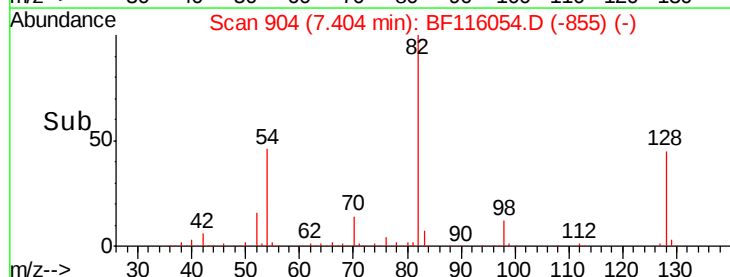


#23
Nitrobenzene-d5
Concen: 96.956 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116054.D
Acq: 7 Aug 2019 18:27

Tgt Ion:	82	Resp:	827271
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.5	54.7
54	46.2	36.0	54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.786 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

Instrument :

BNA_F

ClientSampled :

PS-1

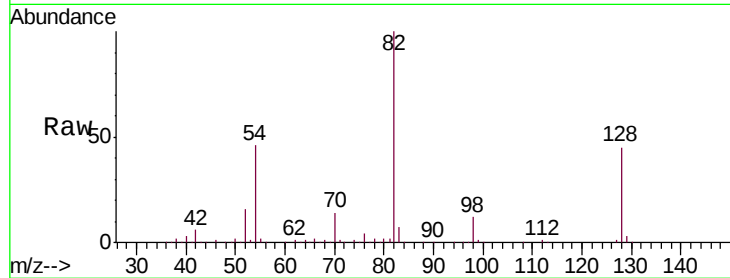
Tgt Ion: 82 Resp: 828589

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

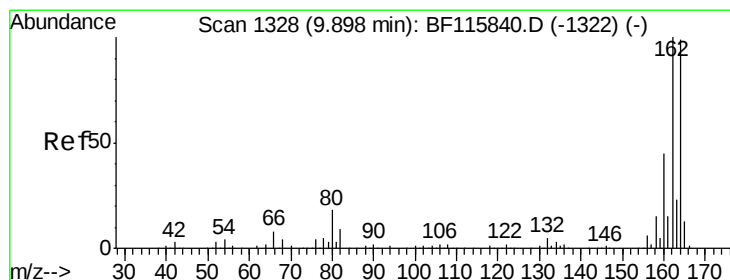
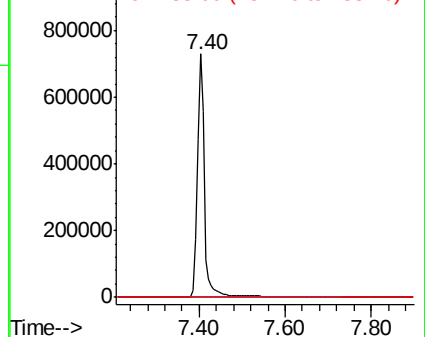
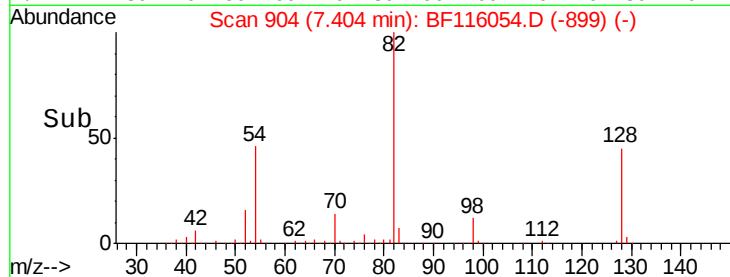
138 0.0 14.5 21.7#



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: BF116054.D

Acq: 7 Aug 2019 18:27

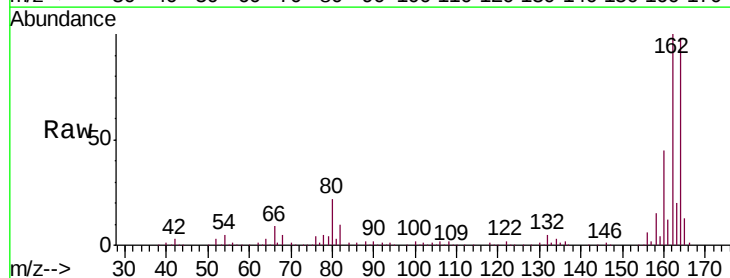
Tgt Ion: 164 Resp: 254382

Ion Ratio Lower Upper

164 100

162 101.7 82.6 124.0

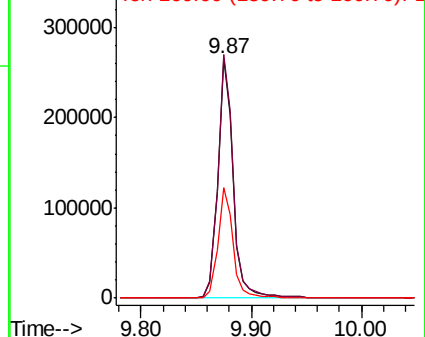
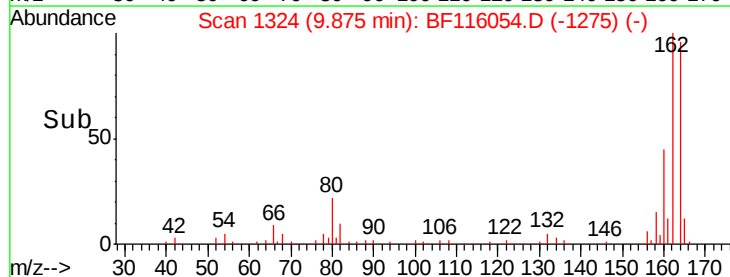
160 46.1 37.6 56.4



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

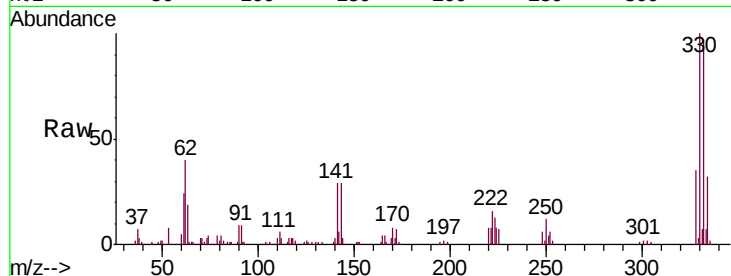




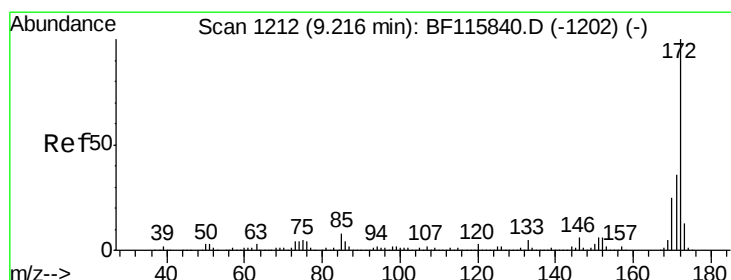
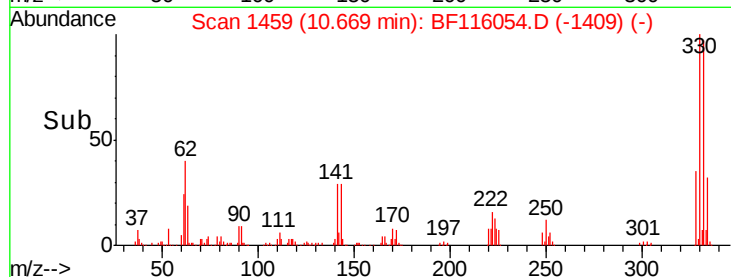
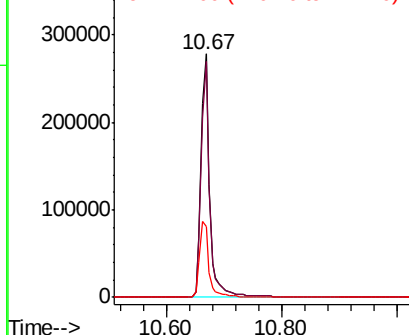
#42
 2,4,6-Tribromophenol
 Concen: 121.324 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116054.D
 Acq: 7 Aug 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PS-1

Tgt Ion:330 Resp: 299223
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.8 115.2
 141 33.9 26.3 39.5

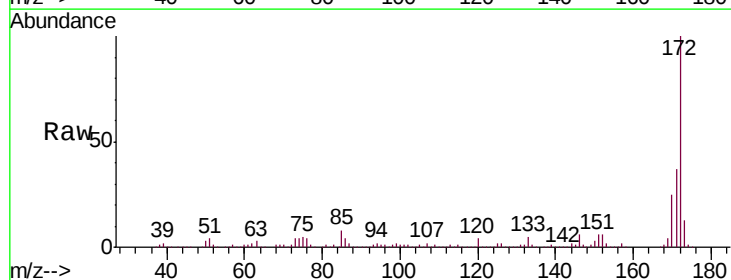


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

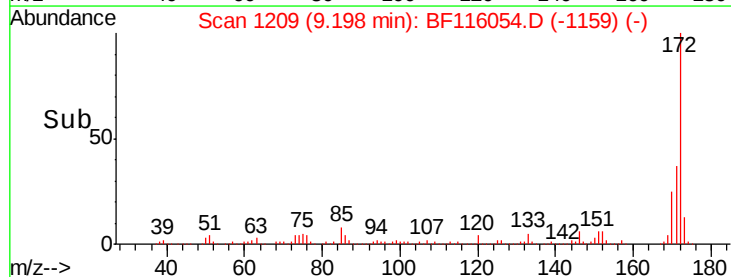
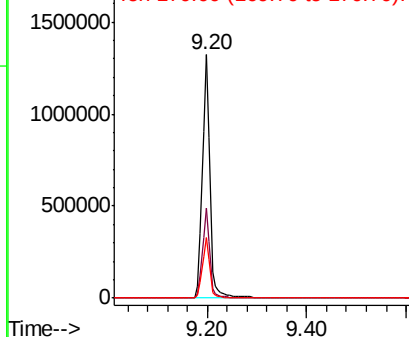


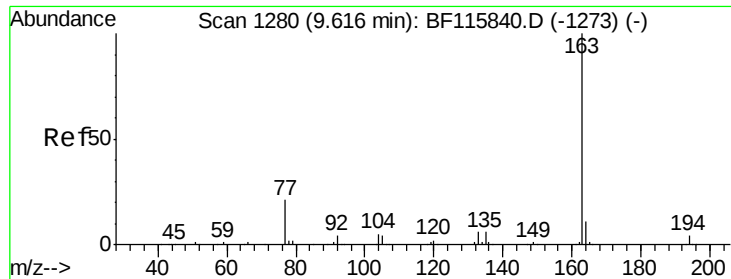
#45
 2-Fluorobiphenyl
 Concen: 103.149 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116054.D
 Acq: 7 Aug 2019 18:27

Tgt Ion:172 Resp: 1400866
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 25.0 20.1 30.1



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

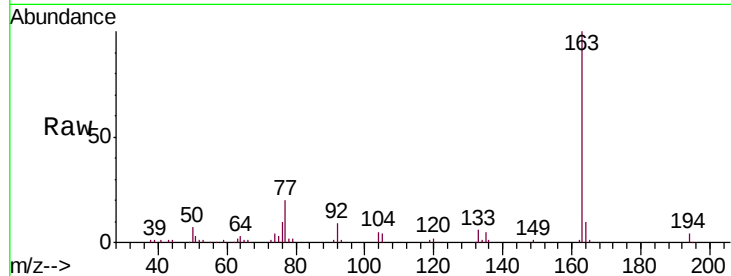




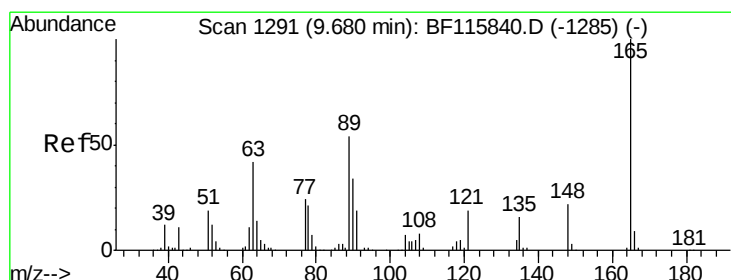
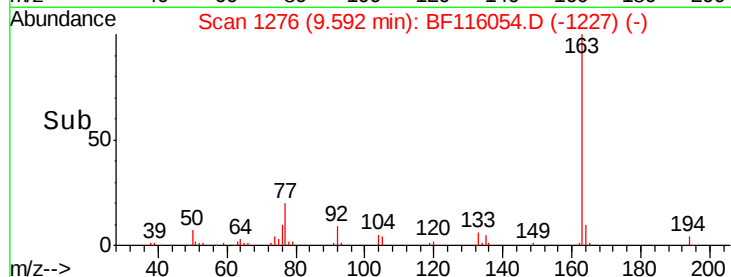
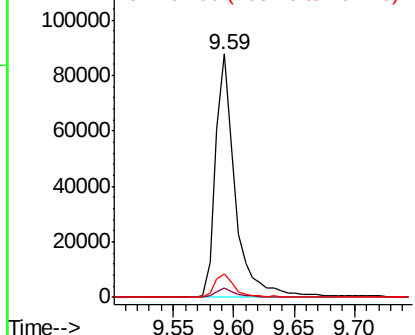
#50
Dimethylphthalate
Concen: 5.668 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF116054.D
Acq: 7 Aug 2019 18:27

Instrument :
BNA_F
ClientSampleId :
PS-1

Tgt Ion:163 Resp: 98178
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.8 8.4 12.6

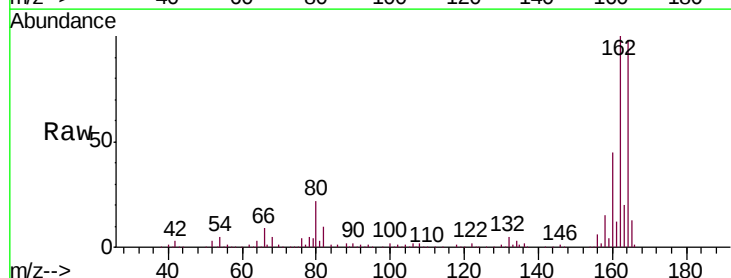


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

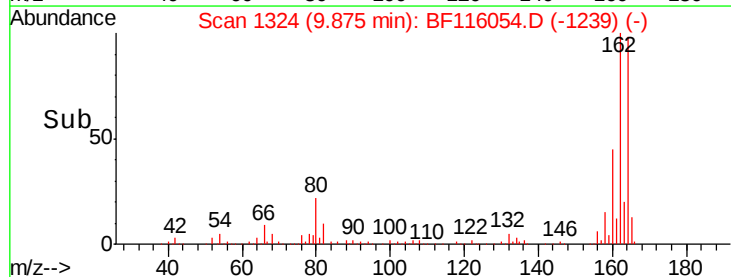
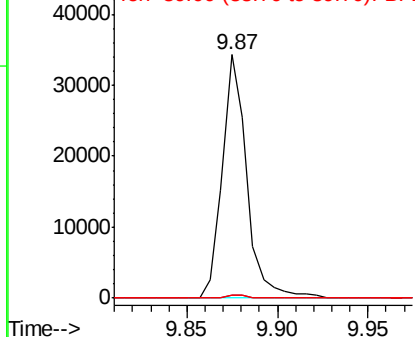


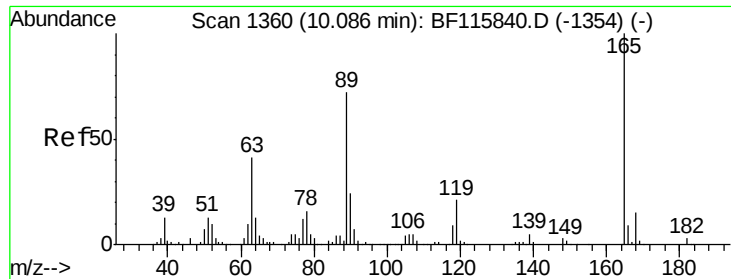
#51
2,6-Dinitrotoluene
Concen: 8.573 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.20 min
Lab File: BF116054.D
Acq: 7 Aug 2019 18:27

Tgt Ion:165 Resp: 32270
Ion Ratio Lower Upper
165 100
63 1.3 38.2 57.2#
89 1.5 42.9 64.3#



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: 6.439 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

Instrument :

BNA_F

ClientSampleId :

PS-1

Tgt Ion:165 Resp: 32270

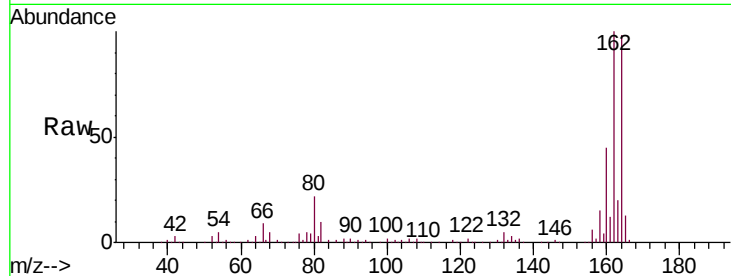
Ion Ratio Lower Upper

165 100

63 1.3 39.6 59.4#

89 1.5 62.2 93.2#

182 0.0 2.1 3.1#

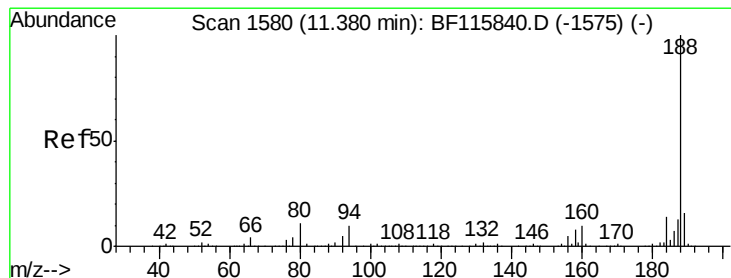
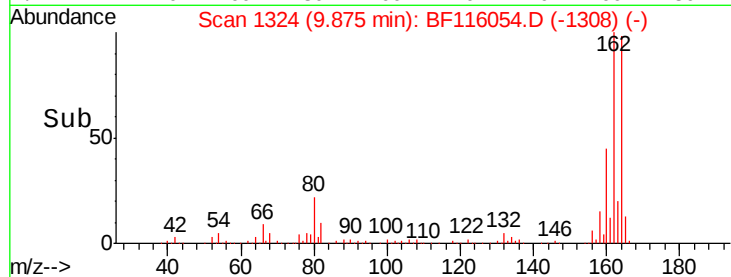
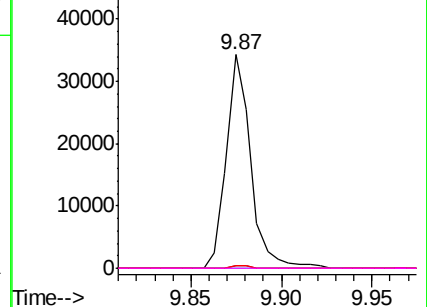


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1577

Delta R.T. -0.01 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

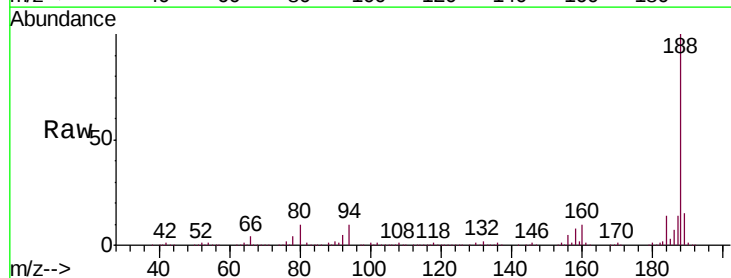
Tgt Ion:188 Resp: 430671

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

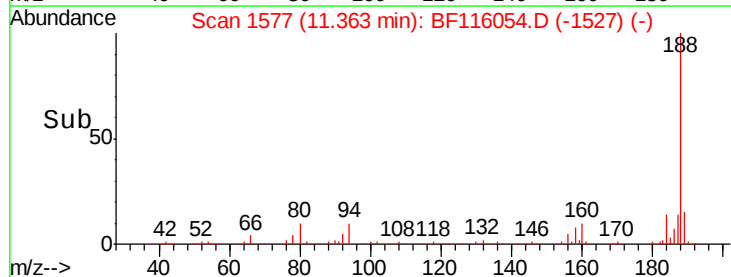
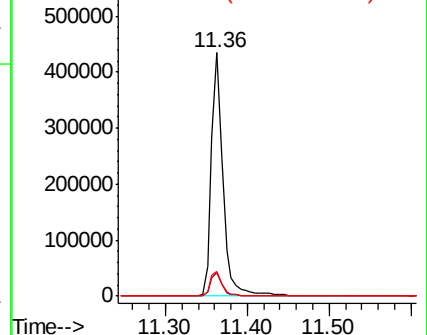
80 10.3 8.7 13.1

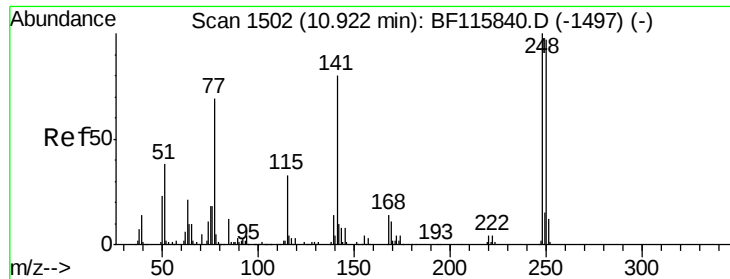


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

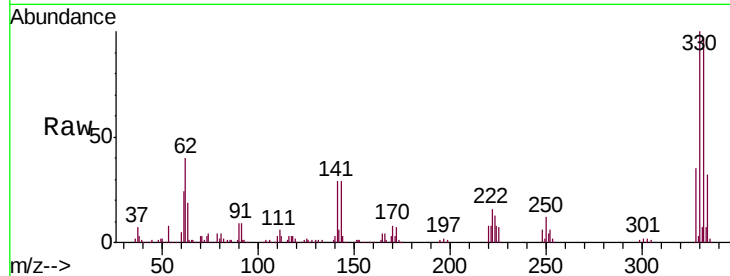




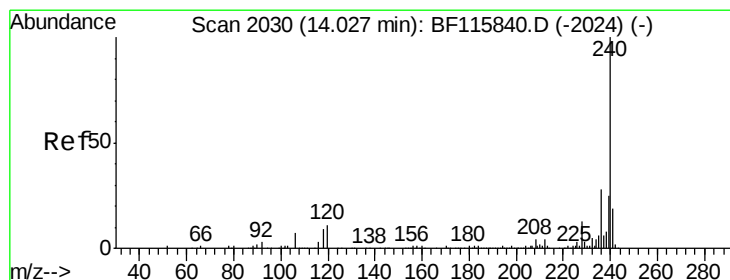
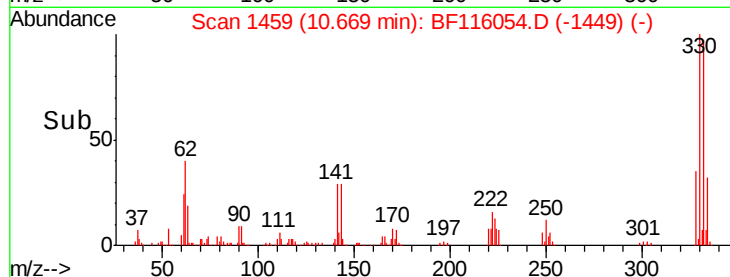
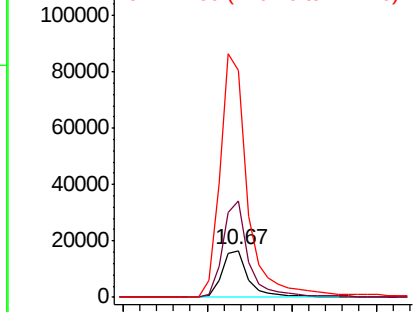
#67
 4-Bromophenyl-phenylether
 Concen: 3.934 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF116054.D
 Acq: 7 Aug 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PS-1

Tgt Ion:248 Resp: 18135
 Ion Ratio Lower Upper
 248 100
 250 205.9 77.4 116.2#
 141 485.0 56.8 85.2#

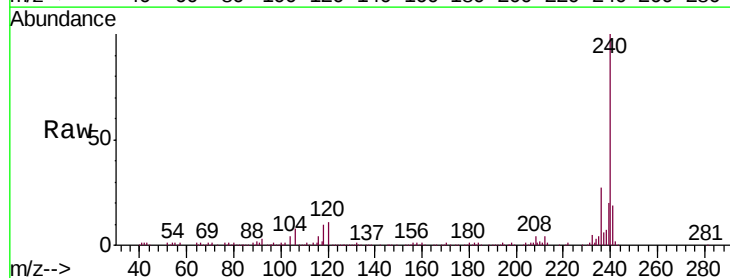


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

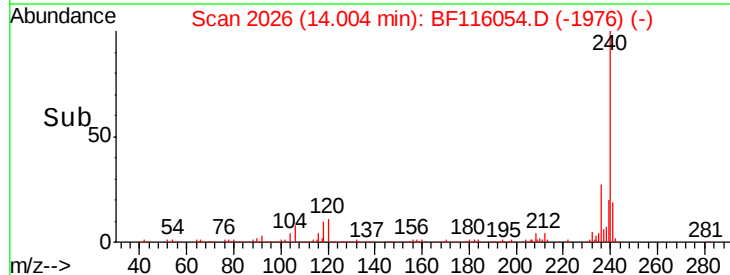
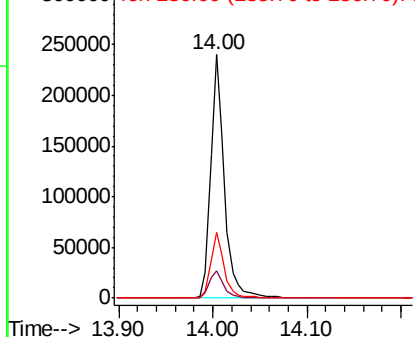


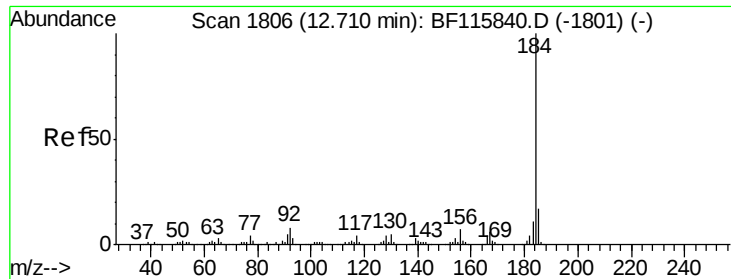
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116054.D
 Acq: 7 Aug 2019 18:27

Tgt Ion:240 Resp: 247556
 Ion Ratio Lower Upper
 240 100
 120 11.4 10.7 16.1
 236 26.7 22.2 33.2



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





#77

Benzidine

Concen: 2.229 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.25 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

Instrument :

BNA_F

ClientSampled :

PS-1

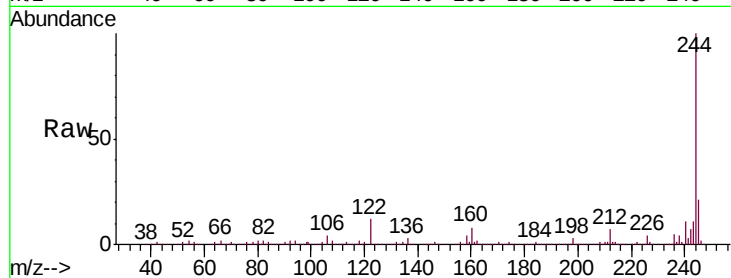
Tgt Ion:184 Resp: 18646

Ion Ratio Lower Upper

184 100

185 15.4 12.8 19.2

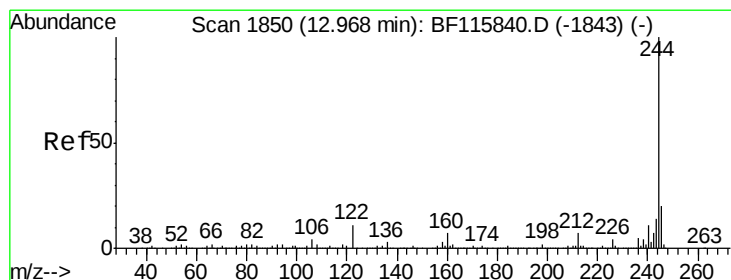
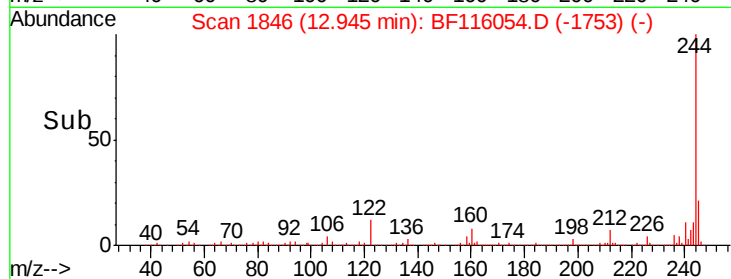
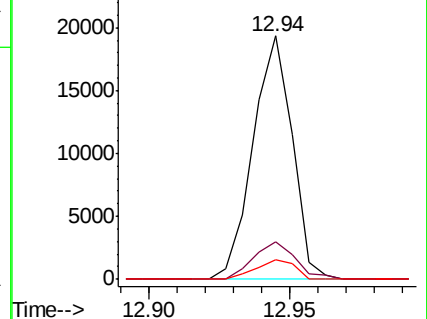
183 8.3 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 115.690 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116054.D

Acq: 7 Aug 2019 18:27

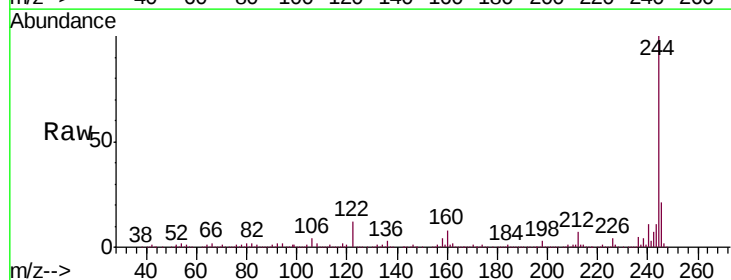
Tgt Ion:244 Resp: 1359161

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

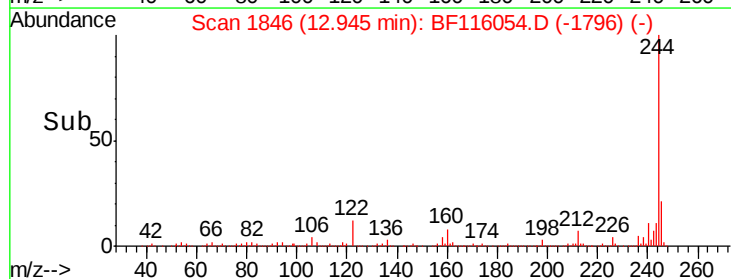
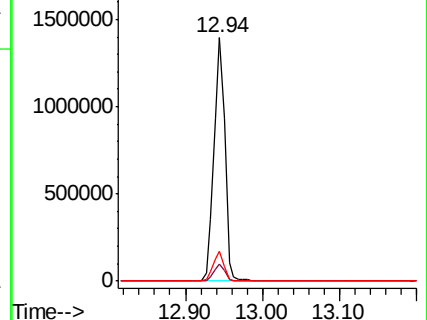
122 12.2 9.0 13.4

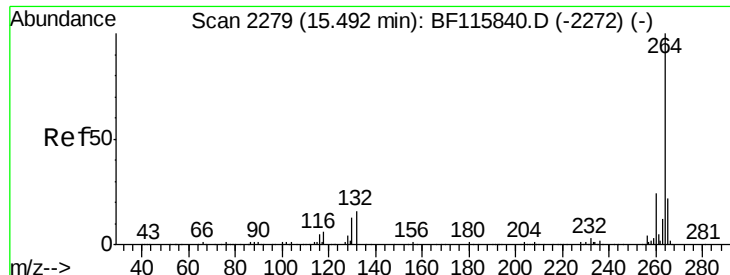


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116054.D
Acq: 7 Aug 2019 18:27

Instrument :
BNA_F
ClientSampleId :
PS-1

Tgt Ion: 264 Resp: 306721

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.0	17.4	26.0

