

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116135.D
 Acq On : 10 Aug 2019 1:42
 Operator : HP/JU
 Sample : K4092-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 06:52:42 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

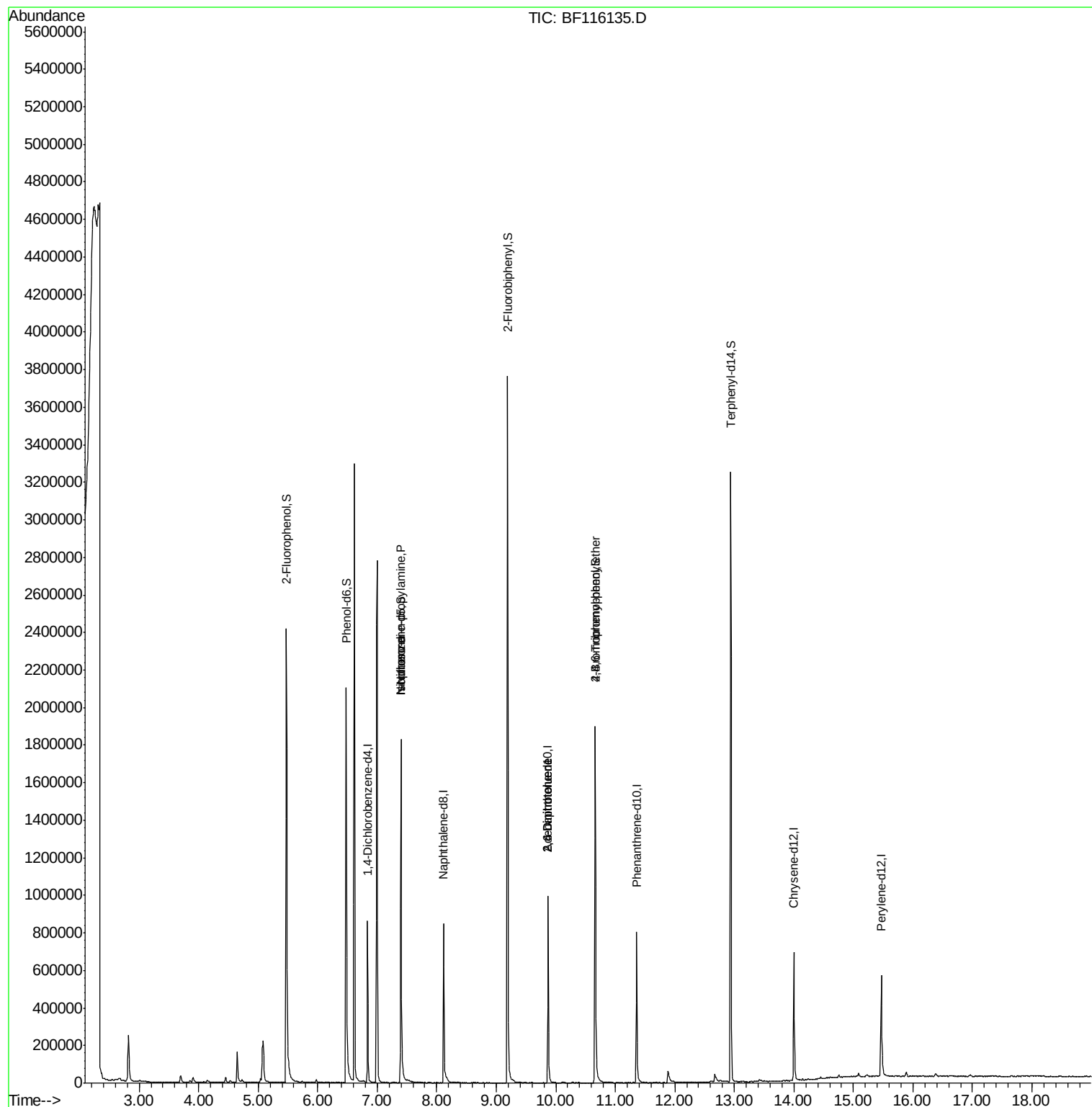
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	122672	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	453575	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	221437	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	339632	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	268088	20.00	ng	0.00
87) Perylene-d12	15.47	264	299143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	808591	110.35	ng	0.00
7) Phenol-d6	6.48	99	912608	98.71	ng	0.00
23) Nitrobenzene-d5	7.40	82	748491	95.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	262246	122.15	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1268843	107.33	ng	-0.01
79) Terphenyl-d14	12.94	244	1131979	88.97	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	97610	17.038	ng	# 80
25) Isophorone	7.40	82	748487	49.815	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	28002	8.546	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	28002	6.419	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	15973	4.393	ng	# 1

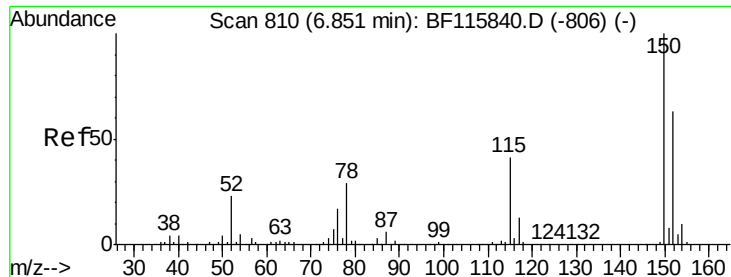
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Instrument :

BNA_F

ClientSampleId :

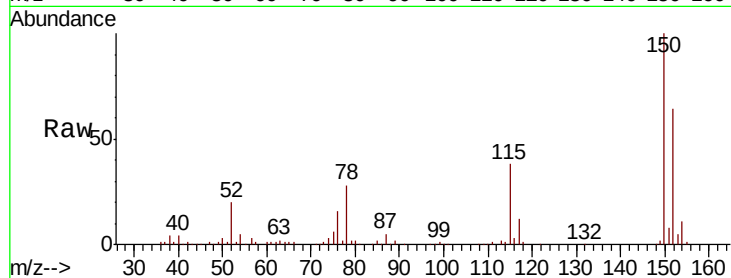
Tot Ion:152 Resp: 122672

Ion Ratio Lower Upper

152 100

150 155.2 126.2 189.2

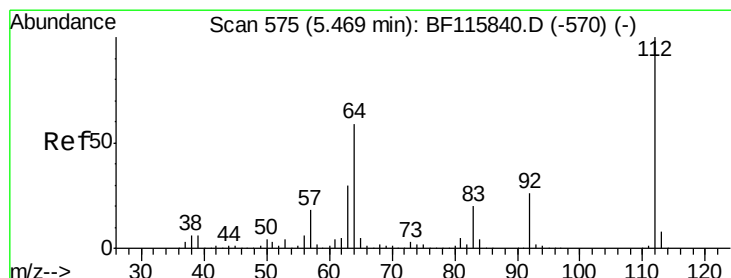
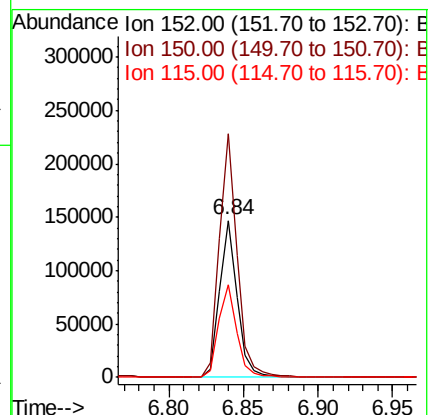
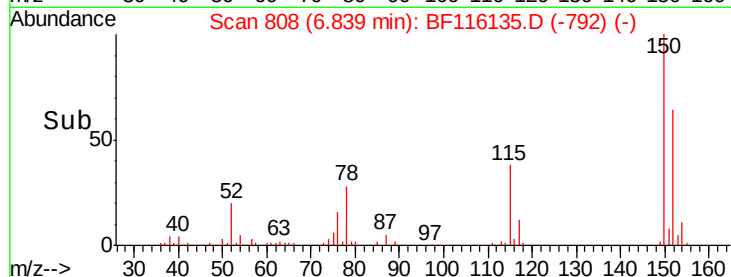
115 59.3 49.9 74.9



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: 110.346 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

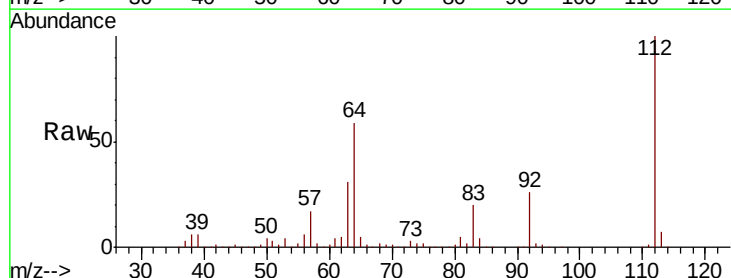
Tgt Ion:112 Resp: 808591

Ion Ratio Lower Upper

112 100

64 58.5 45.4 68.2

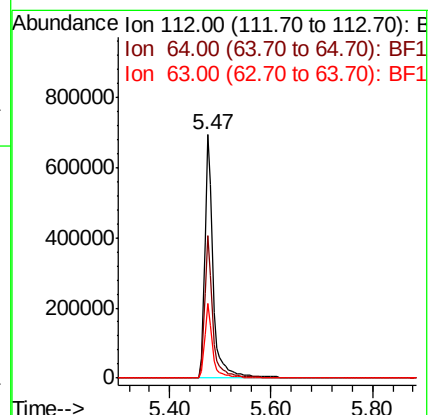
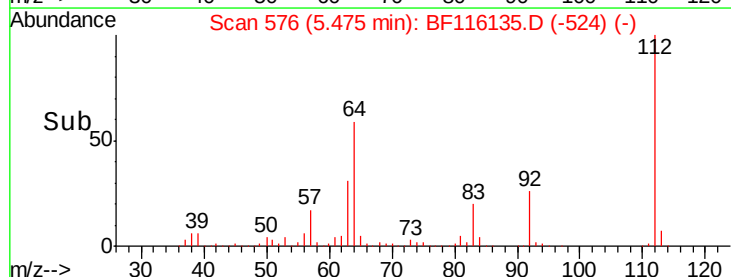
63 30.8 23.7 35.5

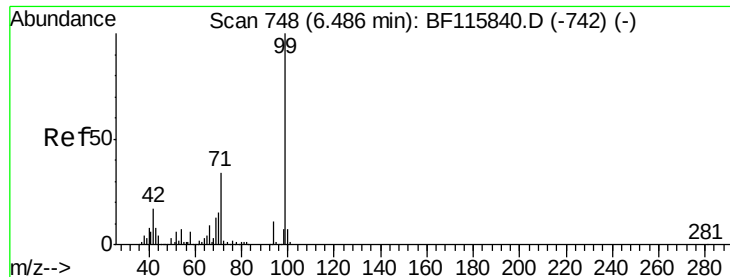


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.710 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Instrument :

BNA_F

ClientSampled :

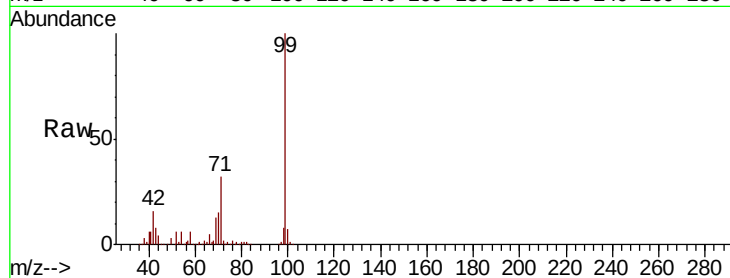
Tot Ion: 99 Resp: 912608

Ion Ratio Lower Upper

99 100

42 16.1 13.8 20.8

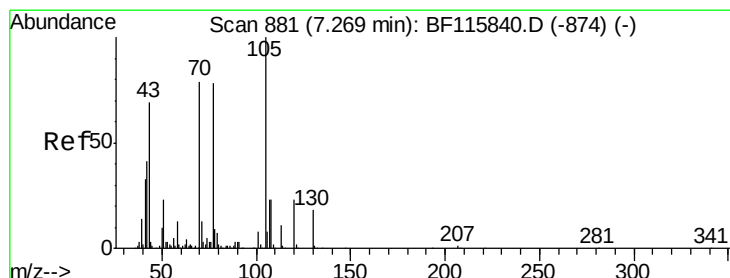
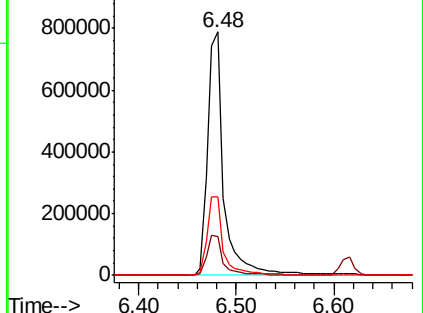
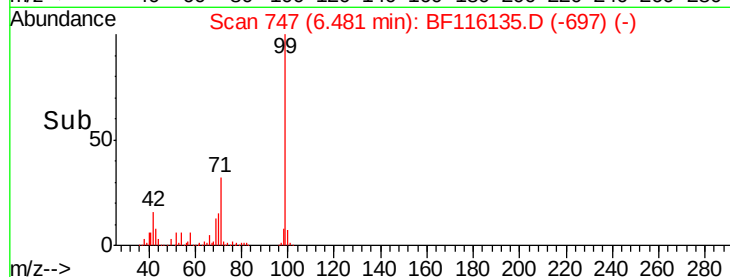
71 32.1 27.3 40.9



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: 17.038 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Tgt Ion: 70 Resp: 97610

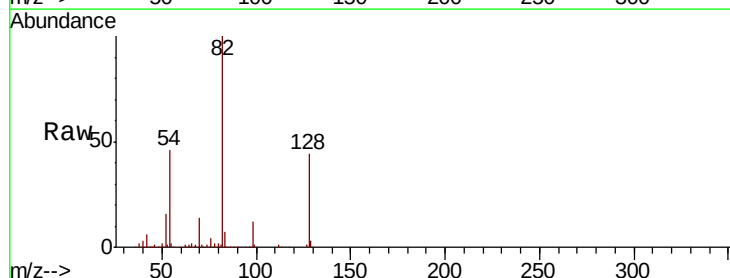
Ion Ratio Lower Upper

70 100

42 44.6 40.9 61.3

101 0.0 7.9 11.9#

130 2.0 16.9 25.3#

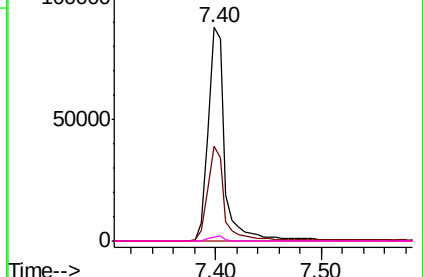
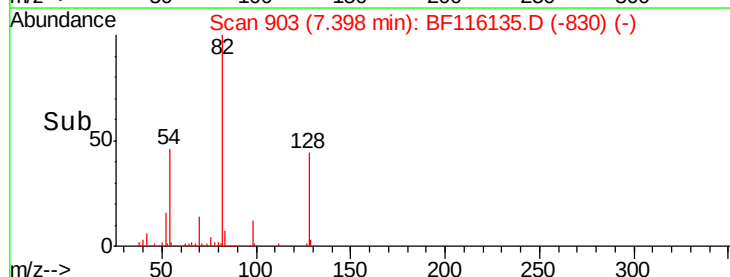


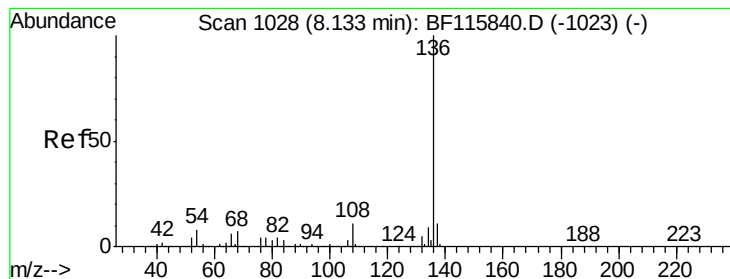
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1025

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 453575

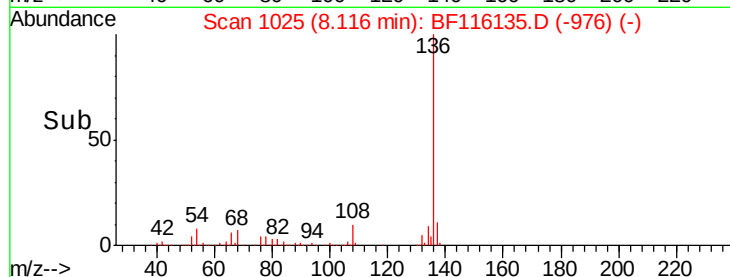
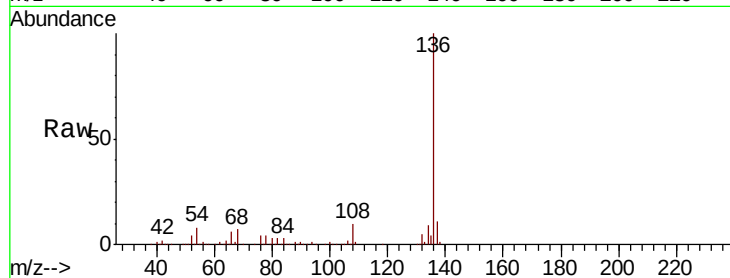
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.5 5.8 8.6

68 6.5 5.2 7.8

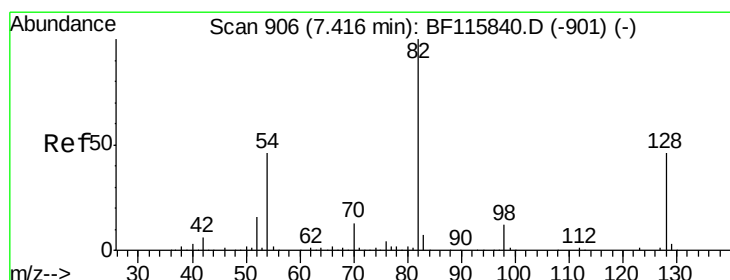
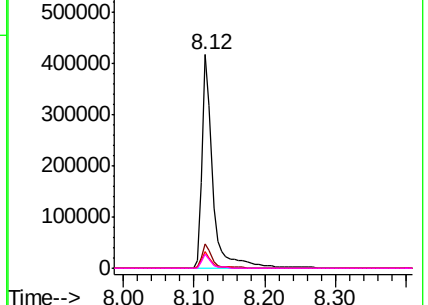


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.255 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

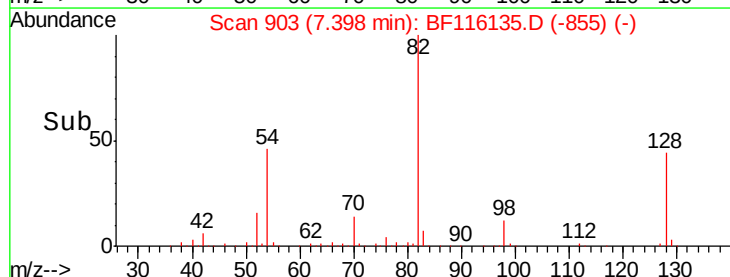
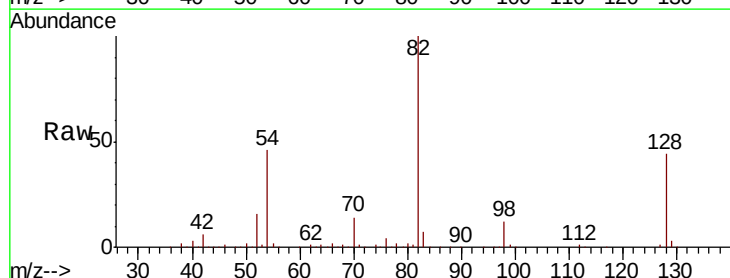
Tgt Ion: 82 Resp: 748491

Ion Ratio Lower Upper

82 100

128 43.7 36.5 54.7

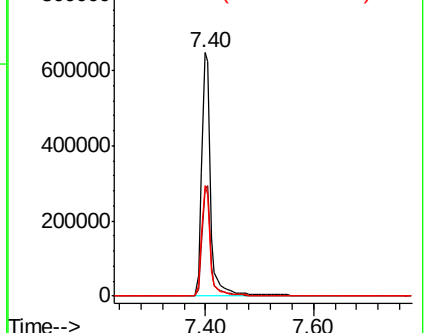
54 45.6 36.0 54.0

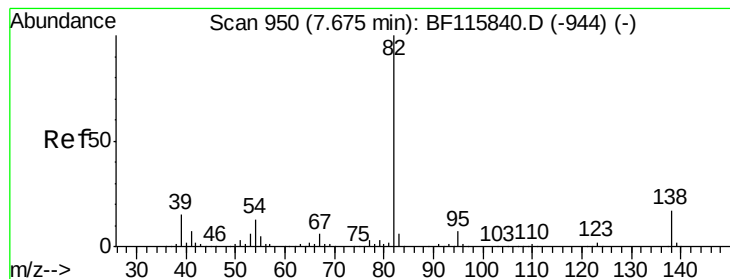


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.815 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Instrument :

BNA_F

ClientSampled :

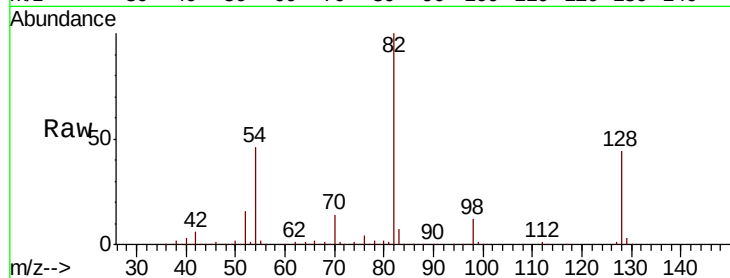
Tot Ion: 82 Resp: 748487

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

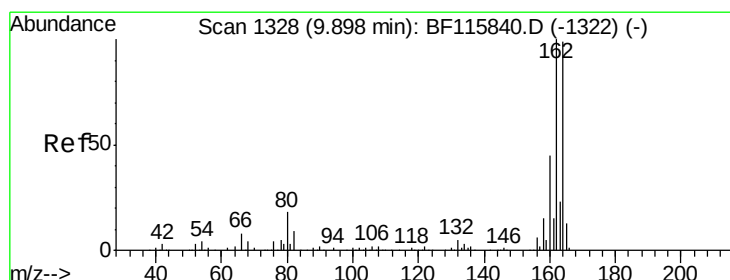
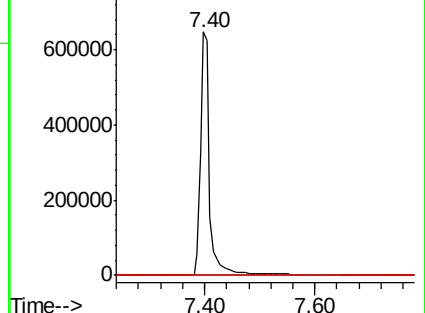
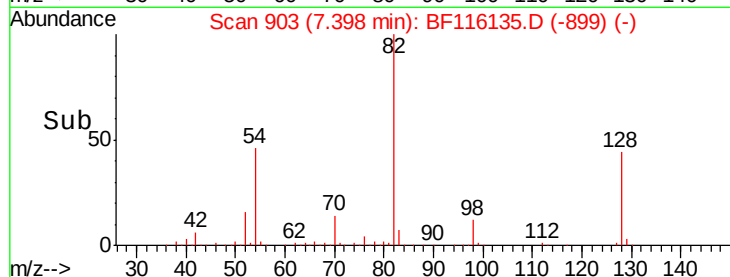
138 0.0 14.5 21.7#



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# 1323

Delta R.T. -0.02 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

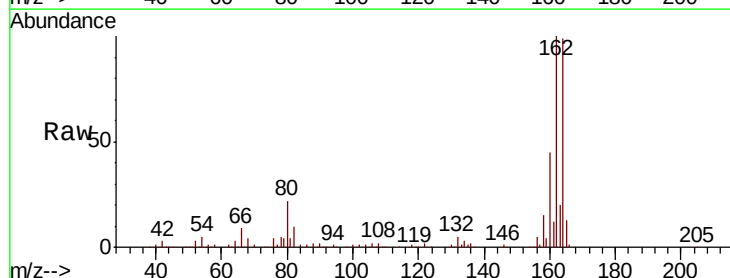
Tgt Ion: 164 Resp: 221437

Ion Ratio Lower Upper

164 100

162 101.3 82.6 124.0

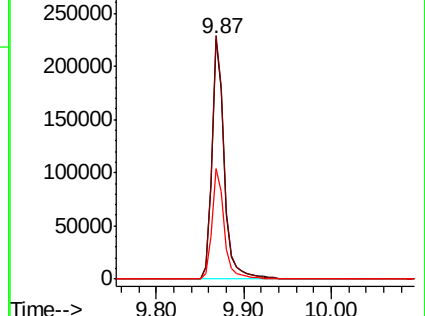
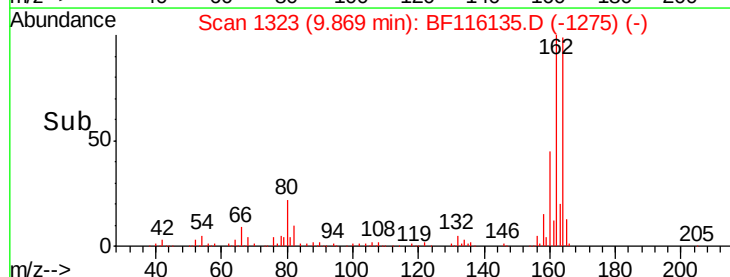
160 46.0 37.6 56.4

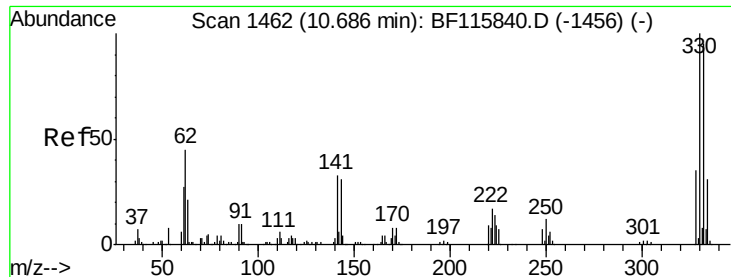


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 122.151 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Instrument :

BNA_F

ClientSampleId :

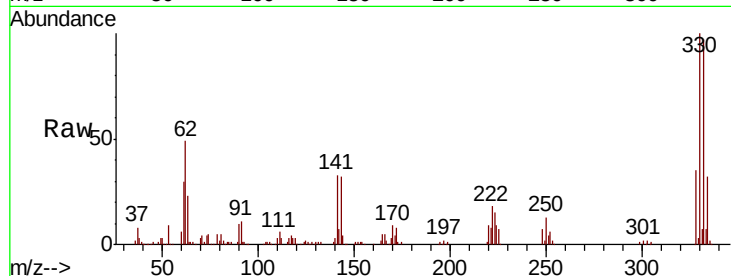
Tot Ion:330 Resp: 262246

Ion Ratio Lower Upper

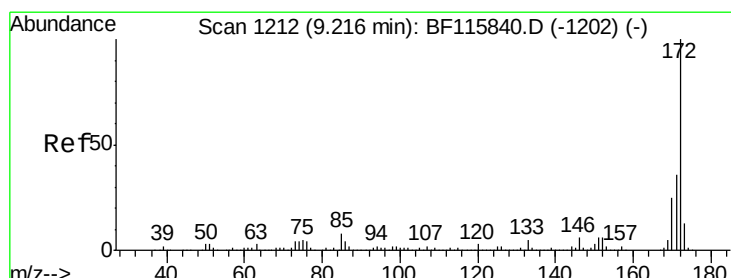
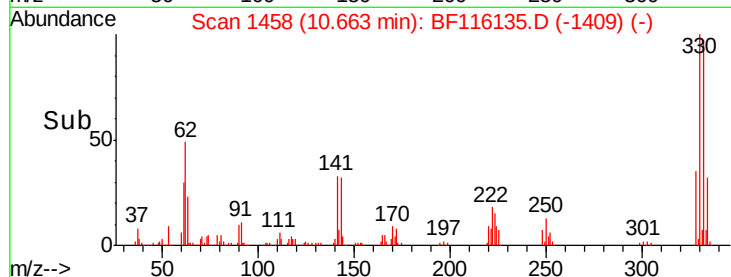
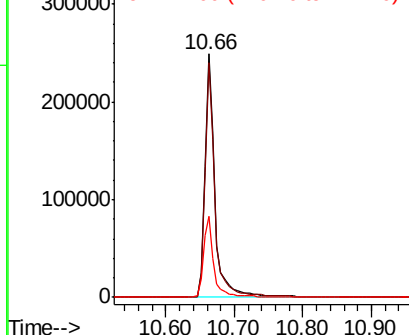
330 100

332 96.8 76.8 115.2

141 34.3 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: 107.328 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

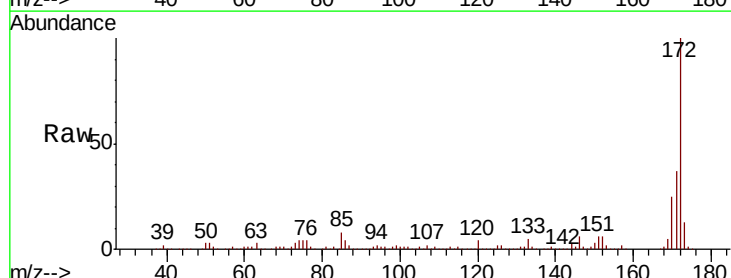
Tgt Ion:172 Resp: 1268843

Ion Ratio Lower Upper

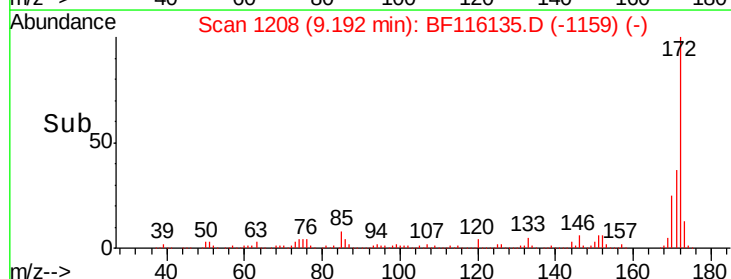
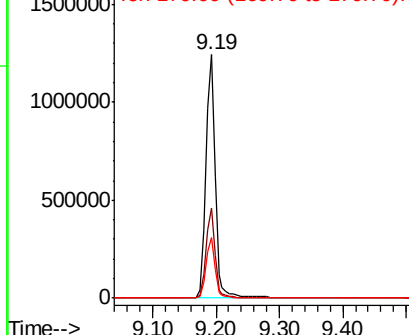
172 100

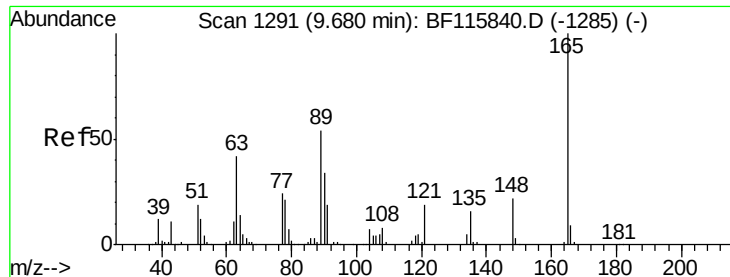
171 36.8 29.6 44.4

170 24.9 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





#51

2,6-Dinitrotoluene

Concen: 8.546 ng

RT: 9.87 min Scan# 1323

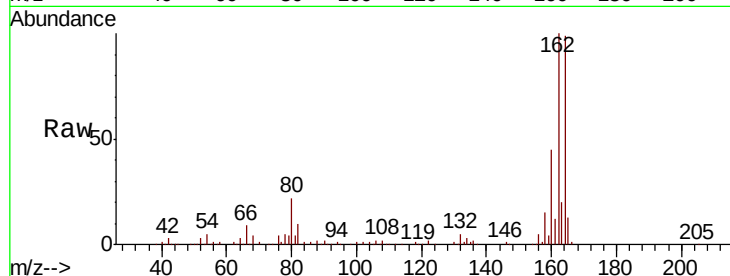
Delta R.T. 0.19 min

Lab File: BF116135.D

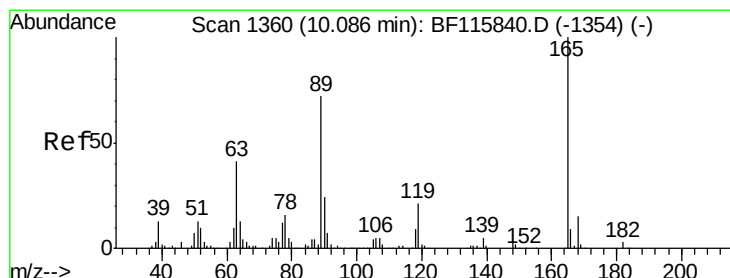
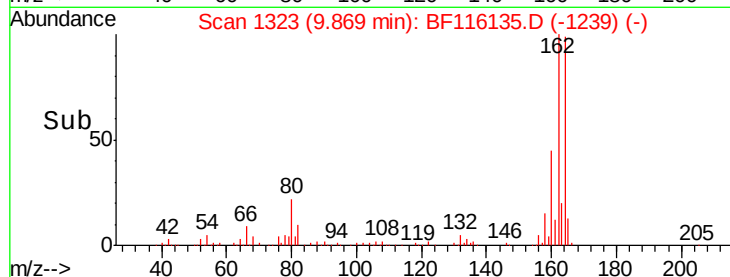
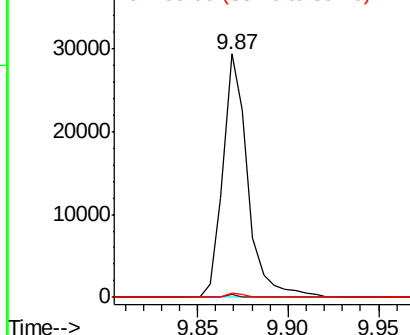
Acq: 10 Aug 2019 1:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	28002
Ion Ratio	Lower	Upper
165	100	
63	1.2	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: 6.419 ng

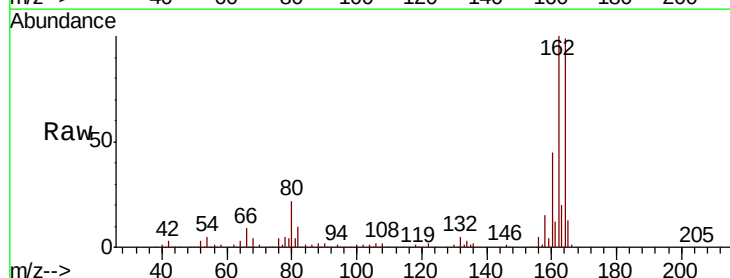
RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

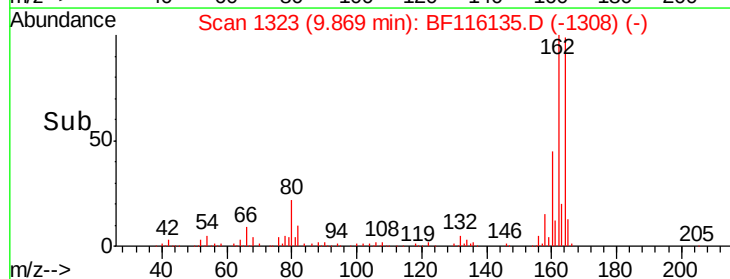
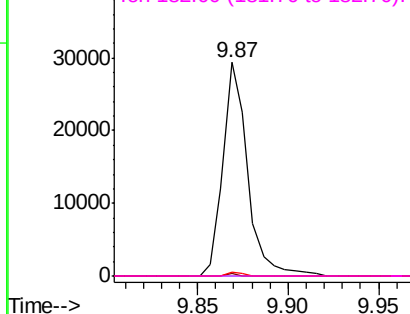
Lab File: BF116135.D

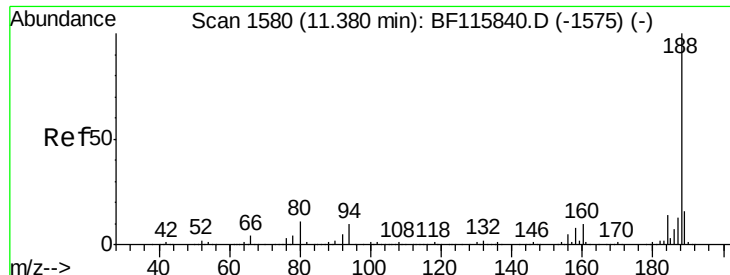
Acq: 10 Aug 2019 1:42

Tgt Ion:165	Resp:	28002
Ion Ratio	Lower	Upper
165	100	
63	1.2	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

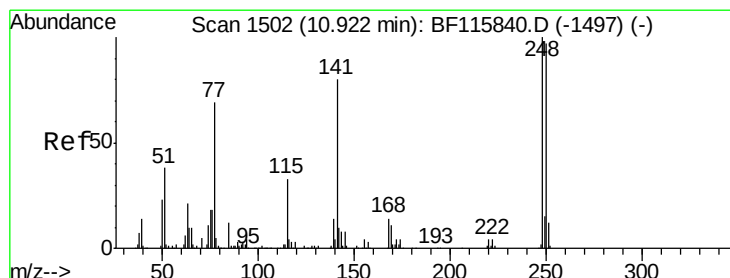
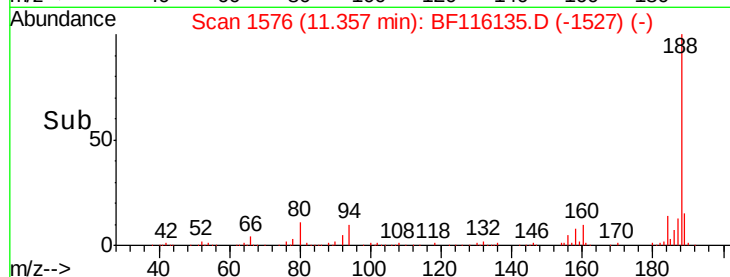
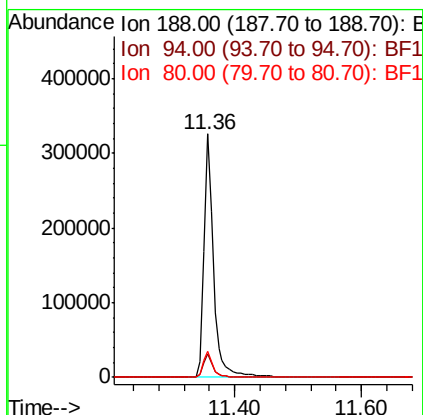
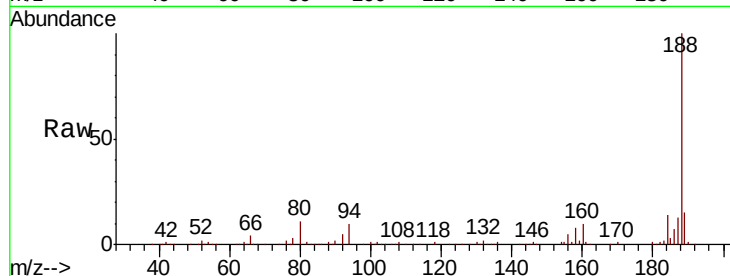




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116135.D
 Acq: 10 Aug 2019 1:42

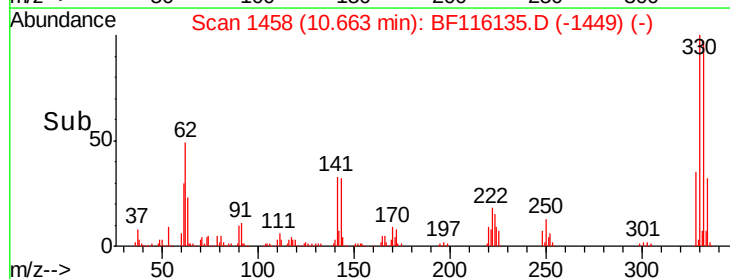
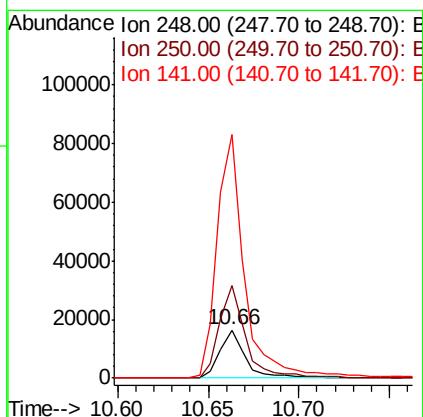
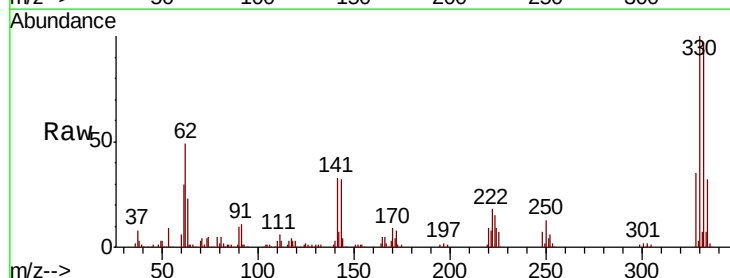
Instrument :
 BNA_F
 ClientSampleId :

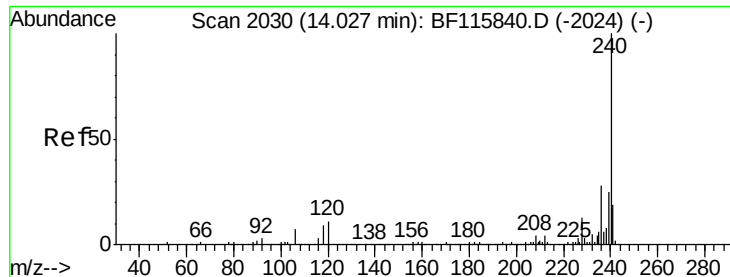
Tot Ion:188 Resp: 339632
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.1 12.1
 80 10.6 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.393 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116135.D
 Acq: 10 Aug 2019 1:42

Tgt Ion:248 Resp: 15973
 Ion Ratio Lower Upper
 248 100
 250 193.3 77.4 116.2#
 141 507.3 56.8 85.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

Instrument :

BNA_F

ClientSampleId :

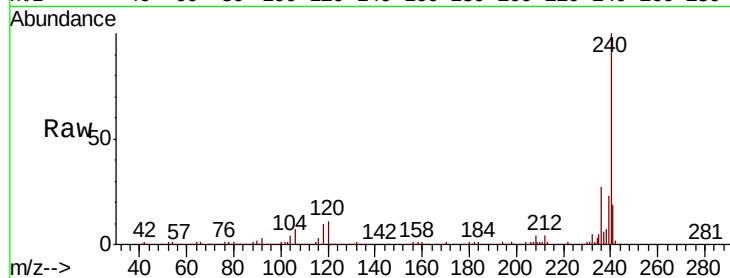
Tot Ion:240 Resp: 268088

Ion Ratio Lower Upper

240 100

120 10.8 10.7 16.1

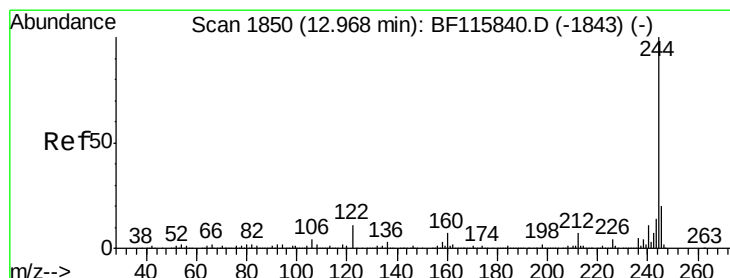
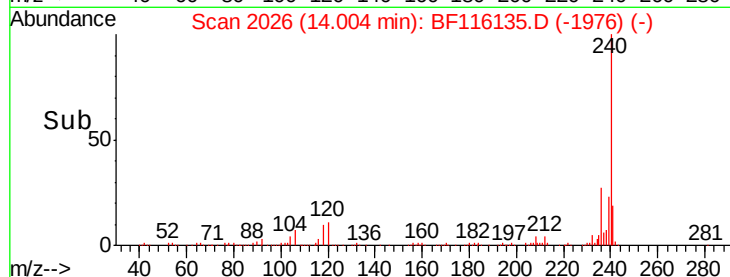
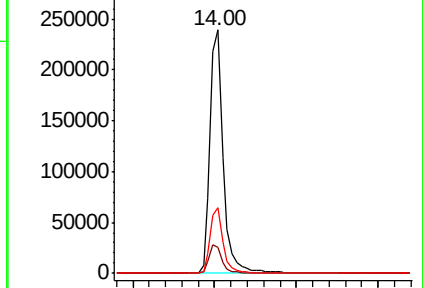
236 26.7 22.2 33.2



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



#79

Terphenyl-d14

Concen: 88.973 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116135.D

Acq: 10 Aug 2019 1:42

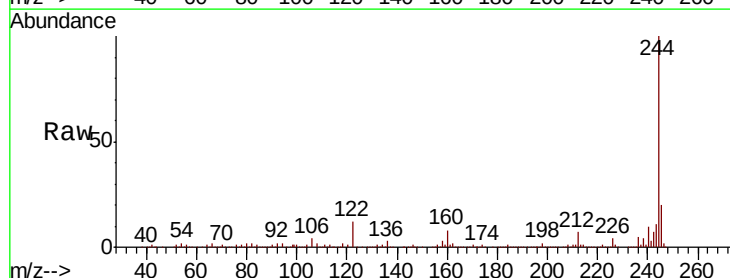
Tgt Ion:244 Resp: 1131979

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

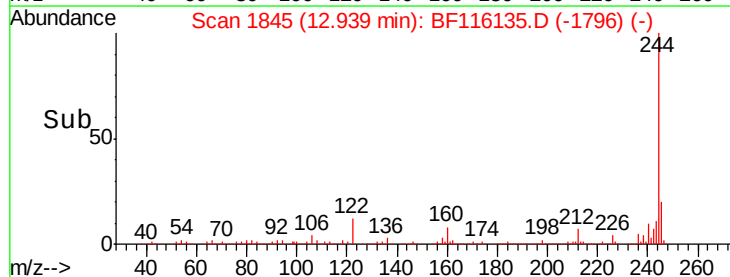
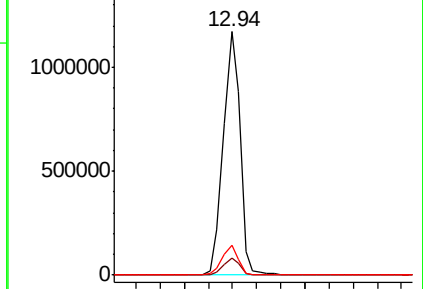
122 12.2 9.0 13.4

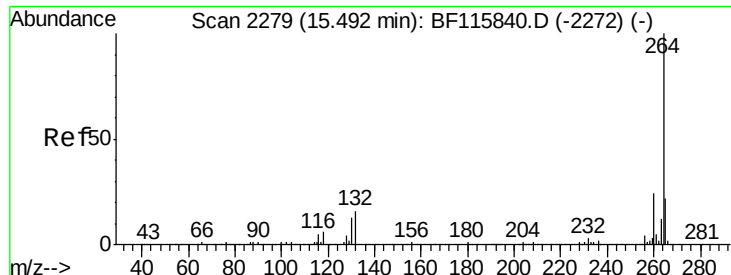


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

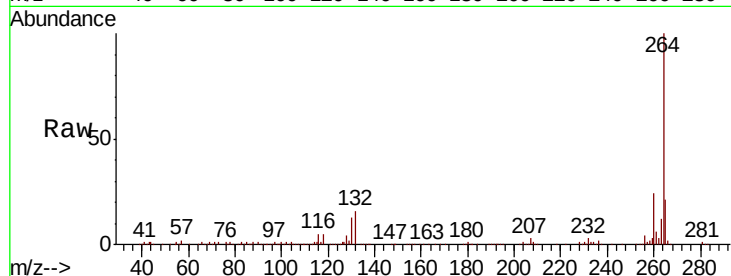




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116135.D
Acq: 10 Aug 2019 1:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.7	29.5
265	21.3	17.4	26.0



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

