

Data File : BF116329.D
Acq On : 16 Aug 2019 20:33
Operator : HP/JU
Sample : K4227-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMP

Quant Time: Aug 17 03:10:04 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

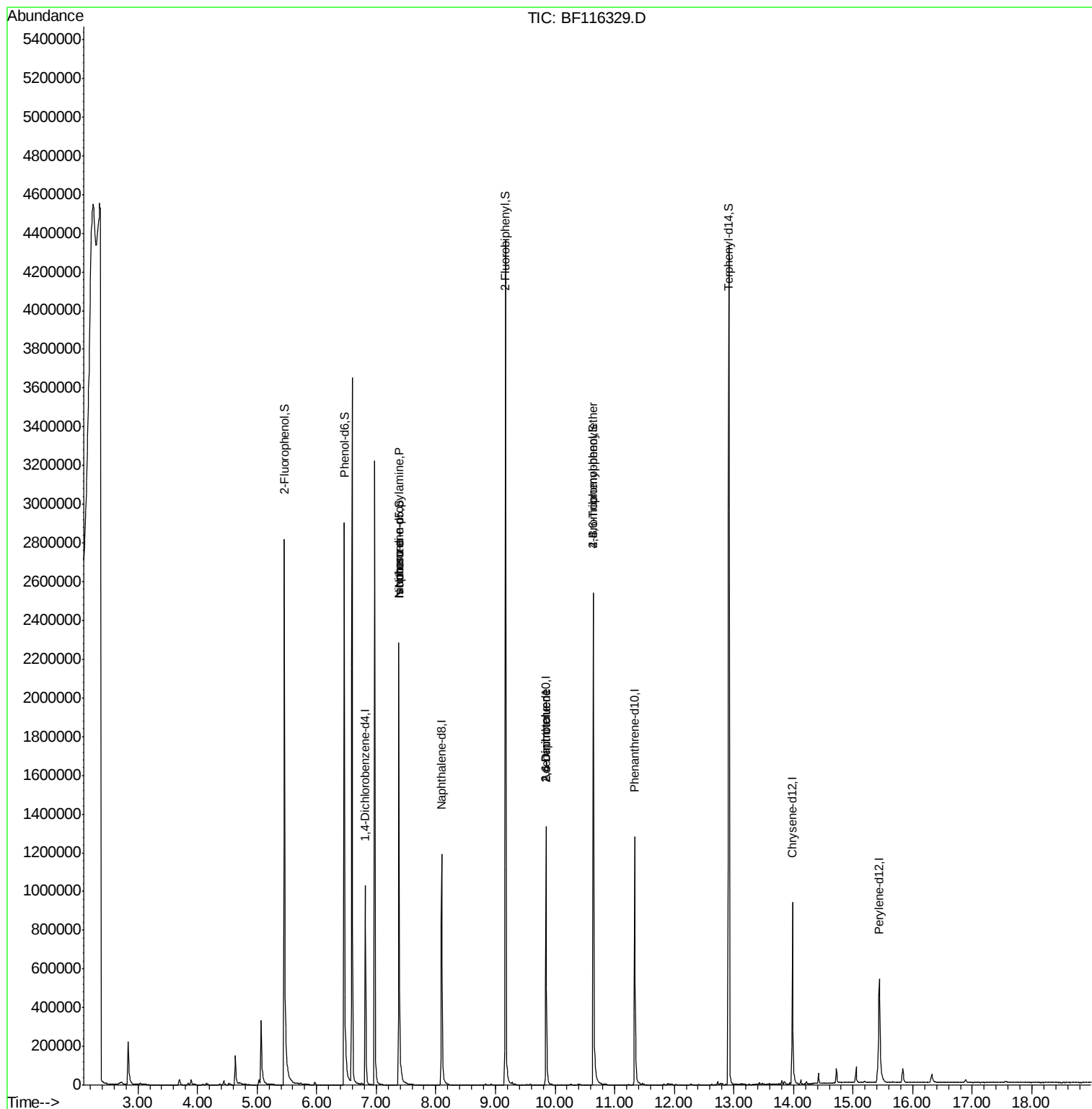
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	159533	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	614111	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	322953	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	582558	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	400493	20.00	ng	-0.03
87) Perylene-d12	15.44	264	356359	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1039773	109.11	ng	-0.01
7) Phenol-d6	6.46	99	1244421	103.50	ng	-0.02
23) Nitrobenzene-d5	7.38	82	947986	89.11	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	400126	127.79	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	1559111	90.43	ng	-0.04
79) Terphenyl-d14	12.92	244	1713245	90.14	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	124033	16.647	ng	# 79
25) Isophorone	7.38	82	948678	46.634	ng	# 65
51) 2,6-Dinitrotoluene	9.85	165	41868	8.761	ng	# 28
57) 2,4-Dinitrotoluene	9.85	165	41869	6.581	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	24048	3.856	ng	# 1

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

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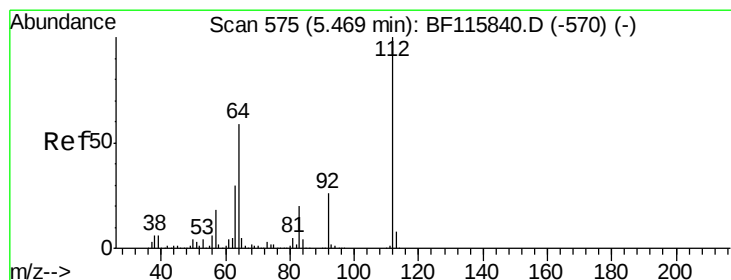
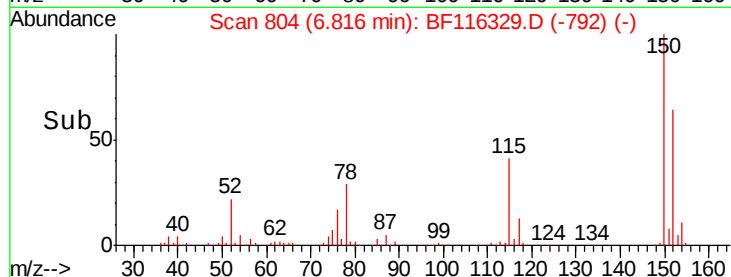
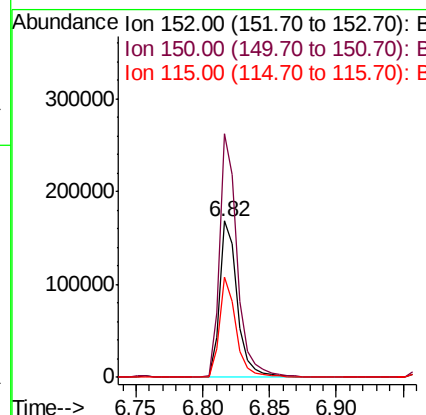
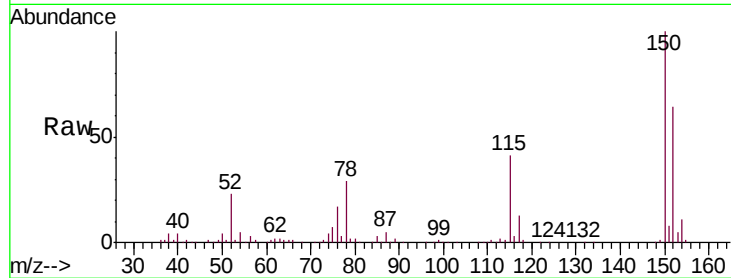




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF116329.D
 Acq: 16 Aug 2019 20:33

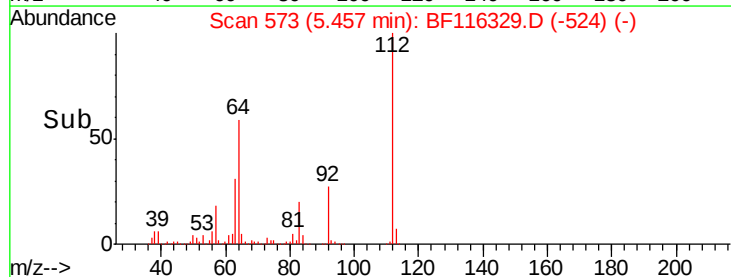
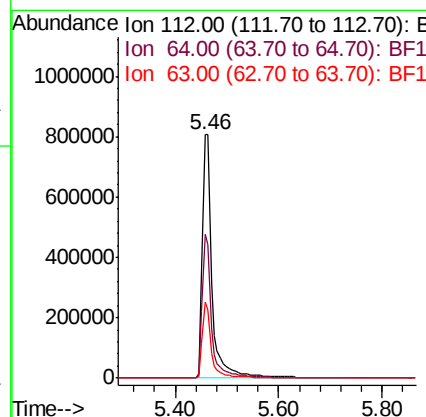
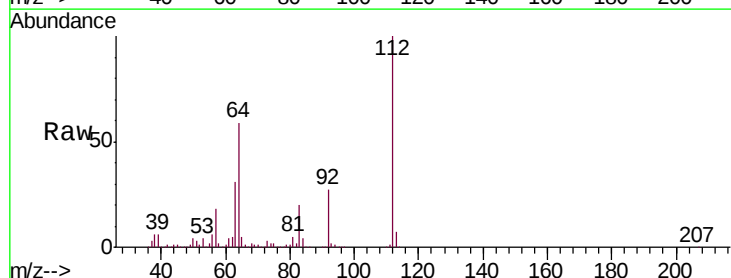
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMP

Tgt Ion:152 Resp: 159533
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.2 189.2
 115 64.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 109.109 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF116329.D
 Acq: 16 Aug 2019 20:33

Tgt Ion:112 Resp: 1039773
 Ion Ratio Lower Upper
 112 100
 64 59.0 45.4 68.2
 63 31.1 23.7 35.5





#7

Phenol-d6

Concen: 103.500 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMP

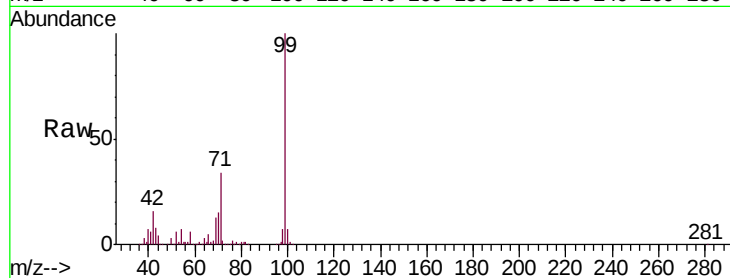
Tgt Ion: 99 Resp: 1244421

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.8

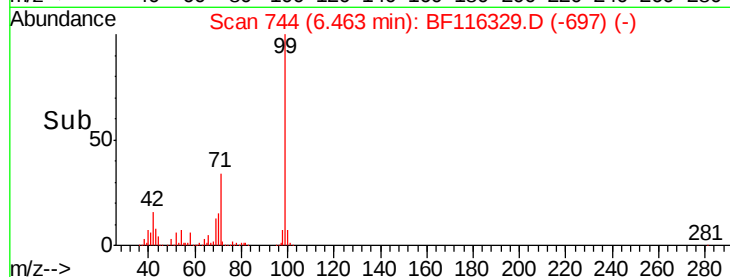
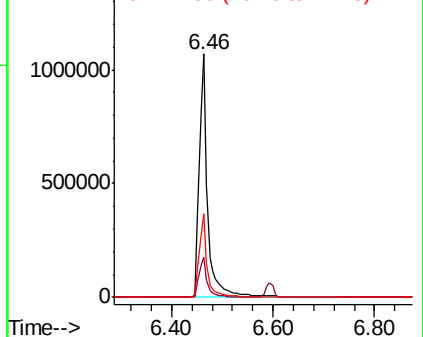
71 34.3 27.3 40.9



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: 16.647 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

Tgt Ion: 70 Resp: 124033

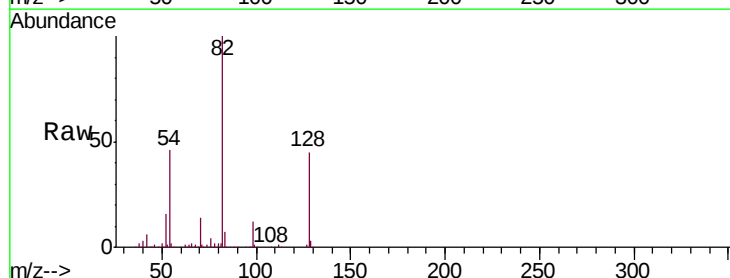
Ion Ratio Lower Upper

70 100

42 42.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

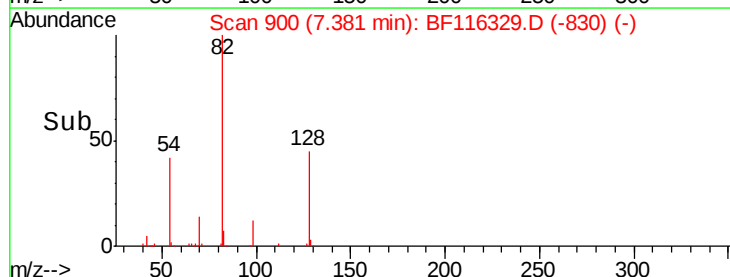
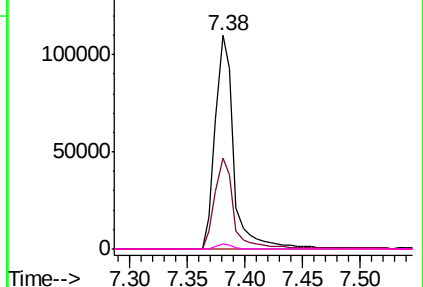


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMP

Tgt Ion:136 Resp: 614111

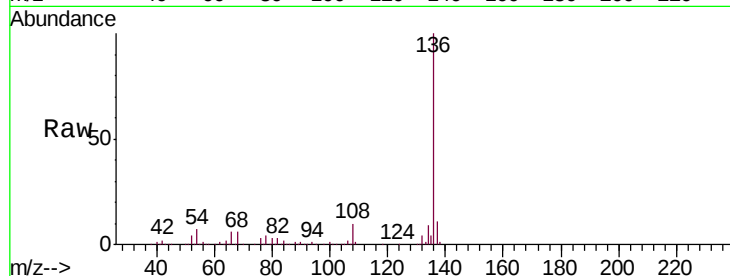
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.2 7.8

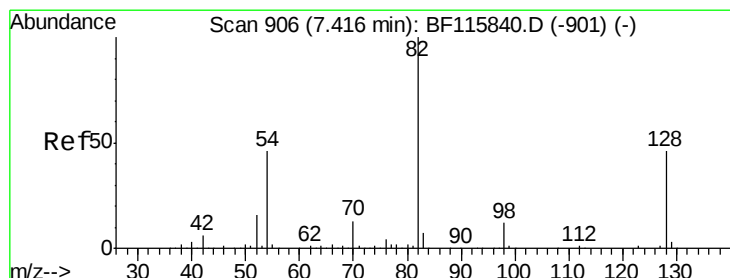
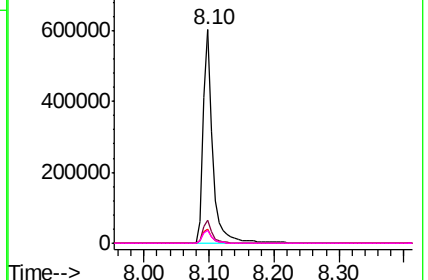
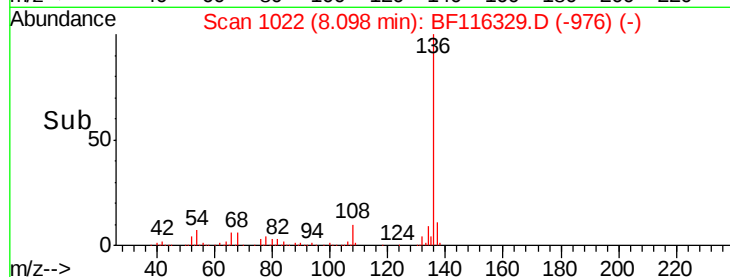


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.106 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.04 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

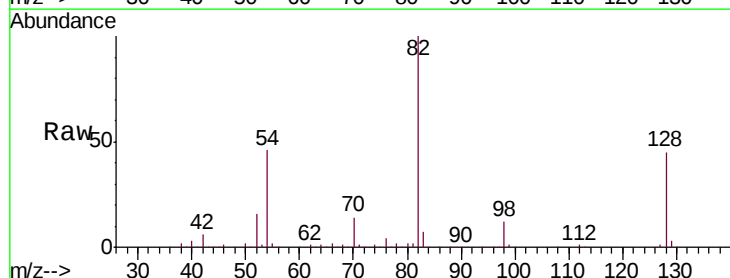
Tgt Ion: 82 Resp: 947986

Ion Ratio Lower Upper

82 100

128 45.1 36.5 54.7

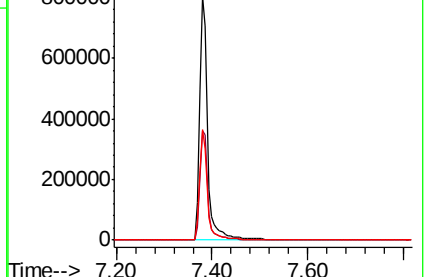
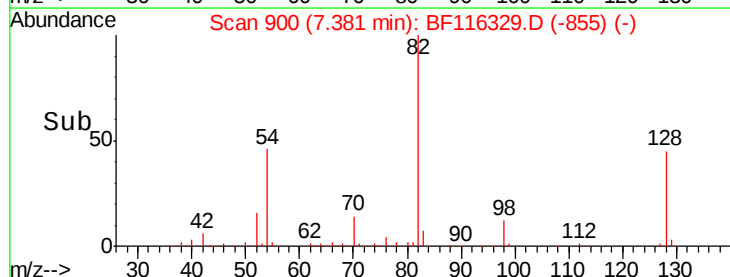
54 45.5 36.0 54.0



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: 46.634 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMP

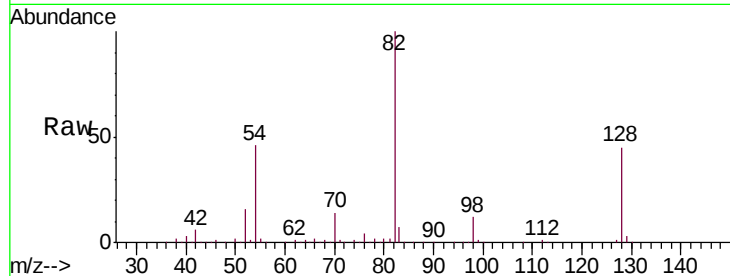
Tgt Ion: 82 Resp: 948678

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

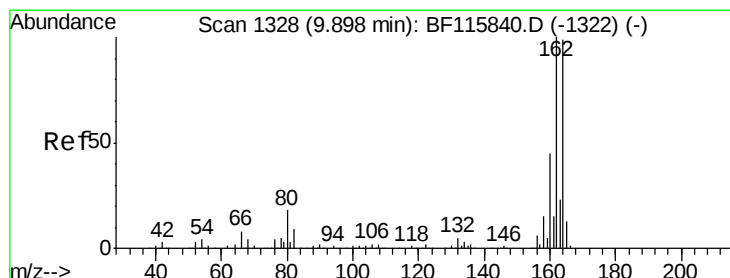
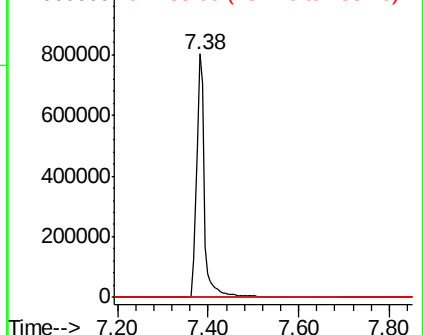
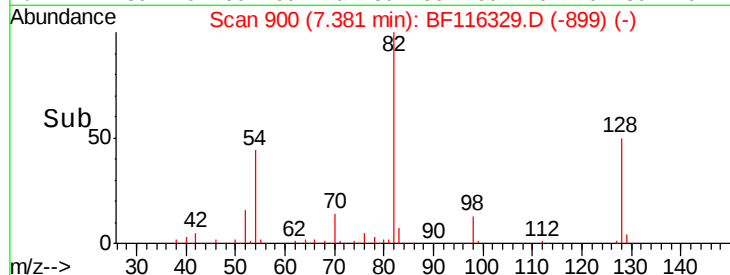
138 0.0 14.5 21.7#



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: 9.85 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

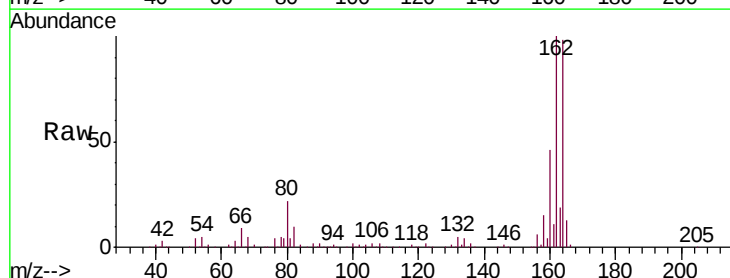
Tgt Ion: 164 Resp: 322953

Ion Ratio Lower Upper

164 100

162 101.8 82.6 124.0

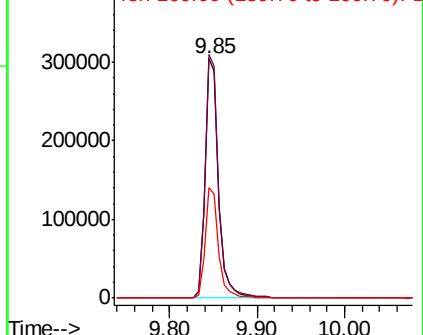
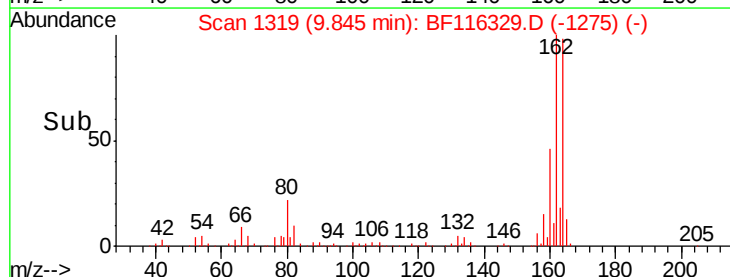
160 46.3 37.6 56.4

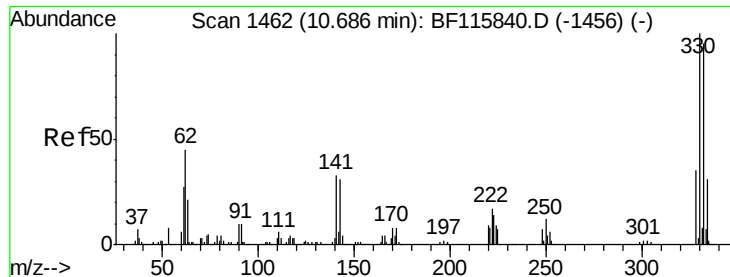


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

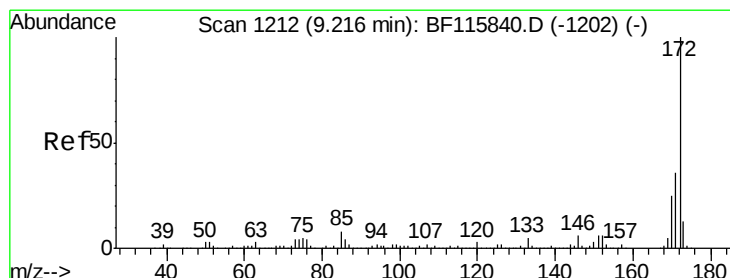
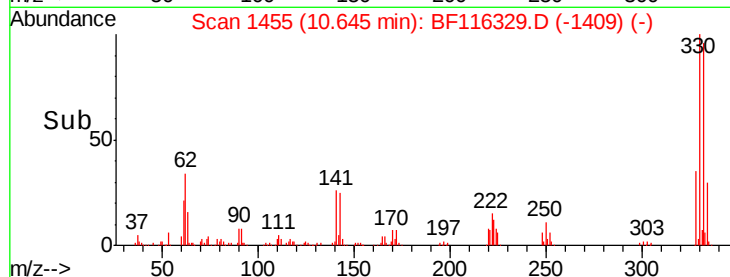
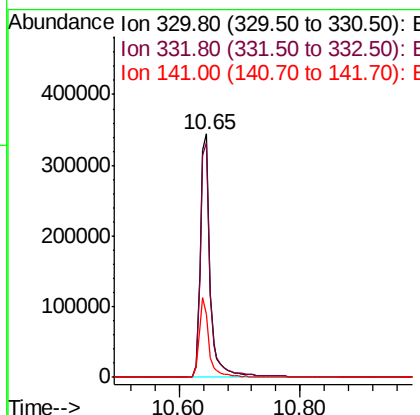
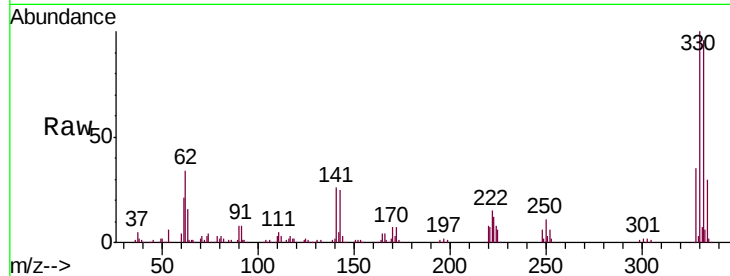




#42
 2,4,6-Tribromophenol
 Concen: 127.790 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.03 min
 Lab File: BF116329.D
 Acq: 16 Aug 2019 20:33

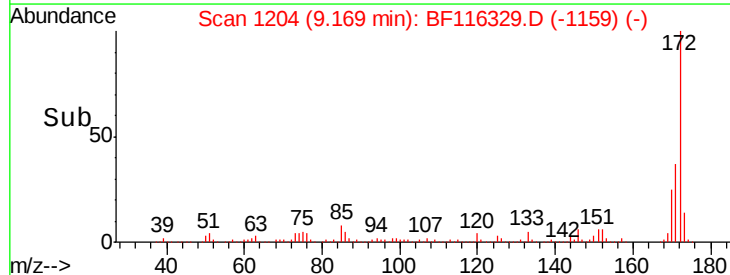
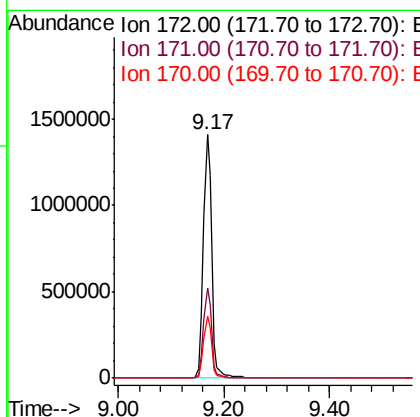
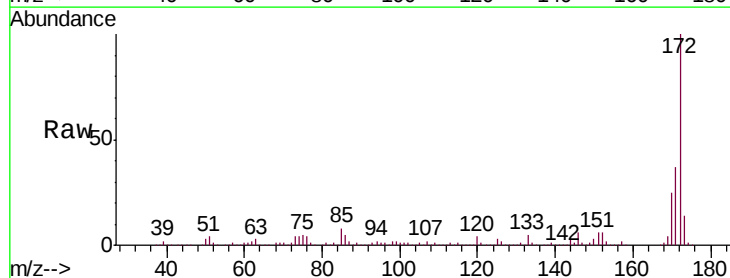
Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMP

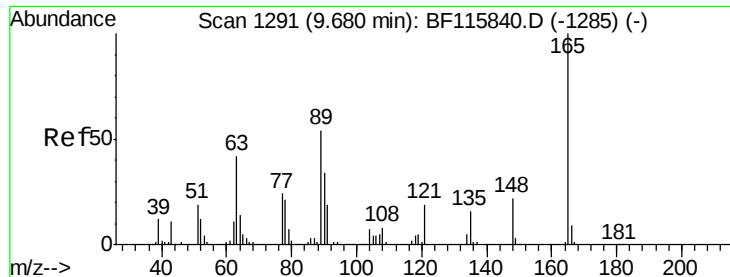
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	33.1	26.3	39.5



#45
 2-Fluorobiphenyl
 Concen: 90.426 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116329.D
 Acq: 16 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	25.3	20.1	30.1





#51

2,6-Dinitrotoluene

Concen: 8.761 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.17 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMP

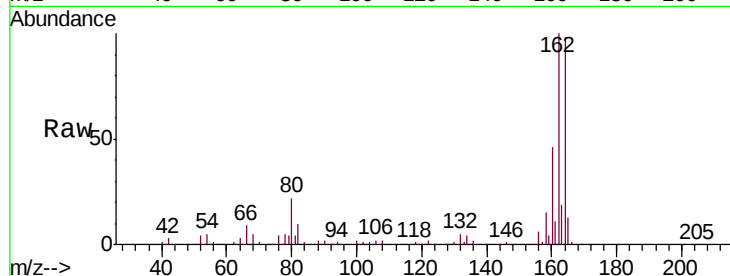
Tgt Ion:165 Resp: 41868

Ion Ratio Lower Upper

165 100

63 1.1 38.2 57.2#

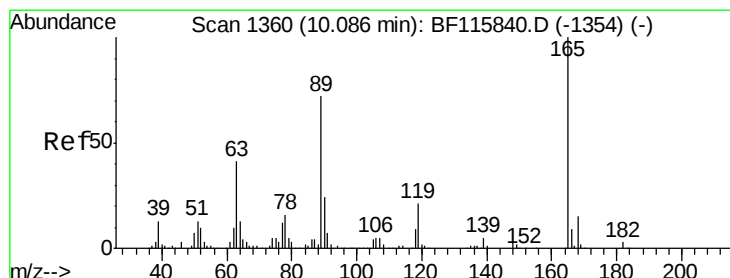
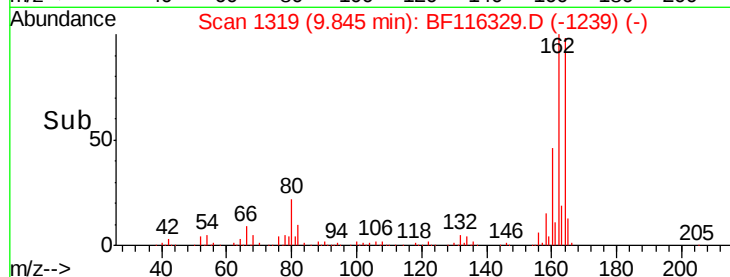
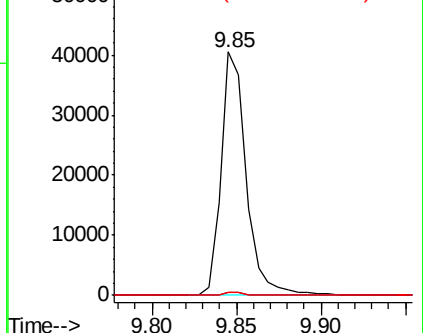
89 1.1 42.9 64.3#



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: 6.581 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF116329.D

Acq: 16 Aug 2019 20:33

Tgt Ion:165 Resp: 41869

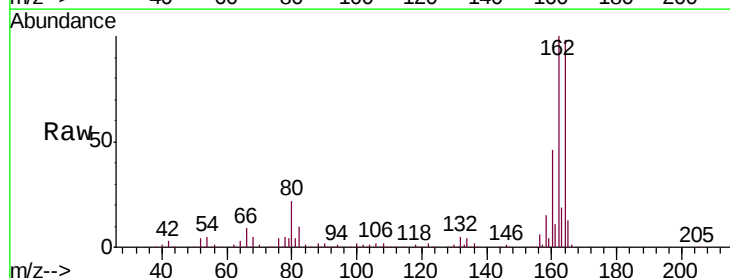
Ion Ratio Lower Upper

165 100

63 1.1 39.6 59.4#

89 1.1 62.2 93.2#

182 0.0 2.1 3.1#

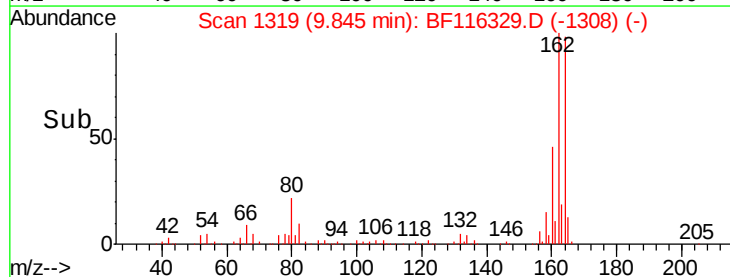
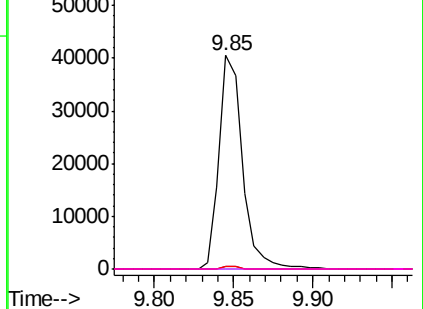


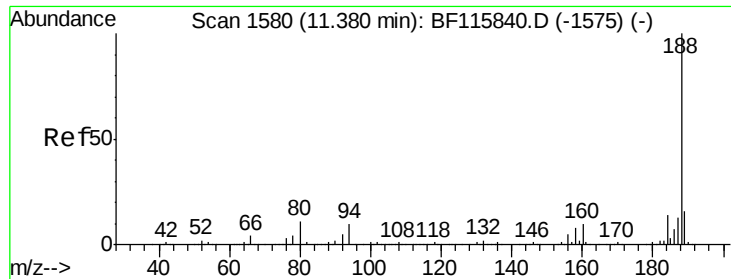
Abundance Ion 165.00 (164.70 to 165.70): E

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

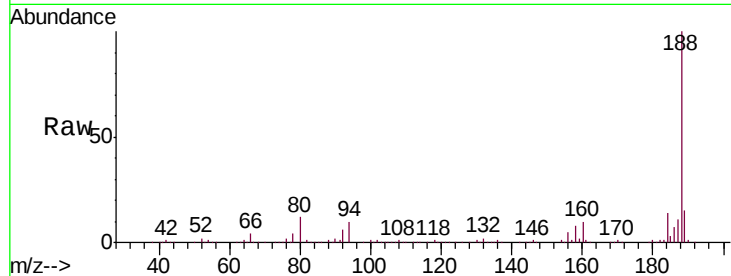




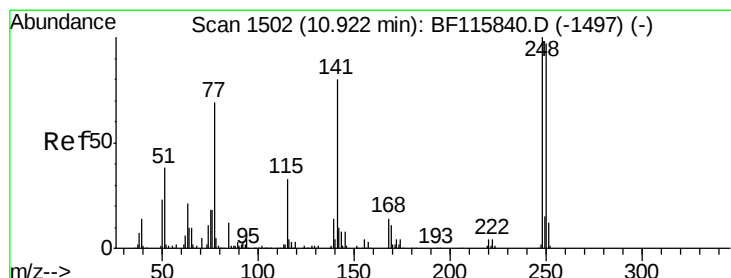
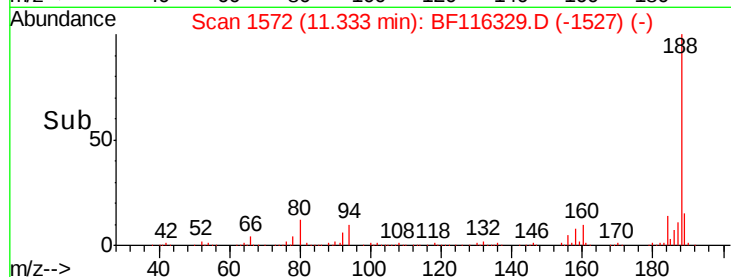
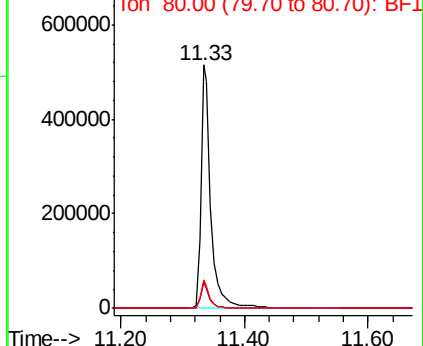
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.04 min
 Lab File: BF116329.D
 Acq: 16 Aug 2019 20:33

Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMP

Tgt Ion:188 Resp: 582558
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.1 12.1
 80 11.5 8.7 13.1

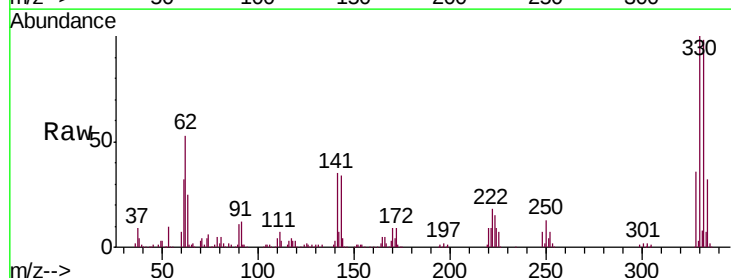


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

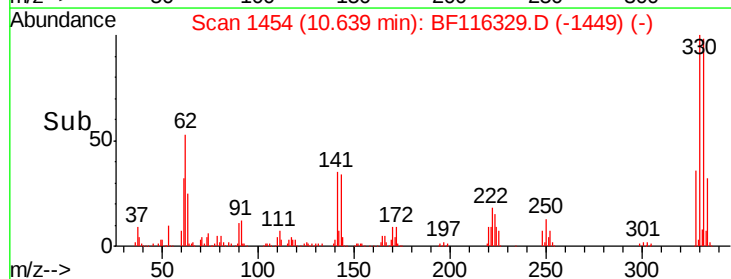
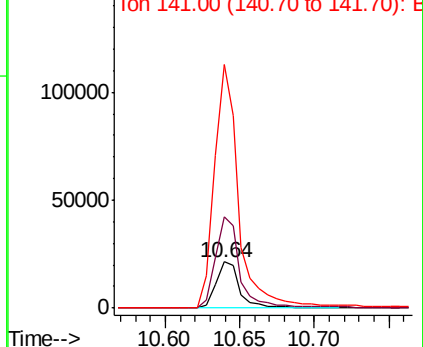


#67
 4-Bromophenyl-phenylether
 Concen: 3.856 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.27 min
 Lab File: BF116329.D
 Acq: 16 Aug 2019 20:33

Tgt Ion:248 Resp: 24048
 Ion Ratio Lower Upper
 248 100
 250 195.4 77.4 116.2#
 141 524.3 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

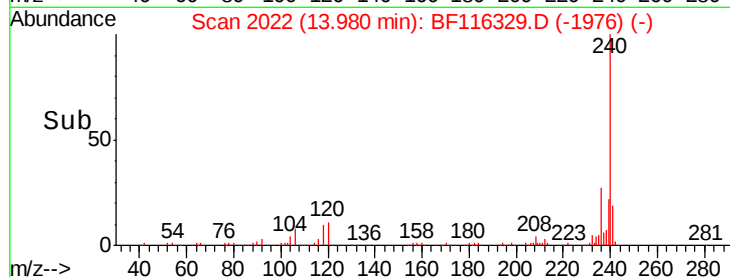
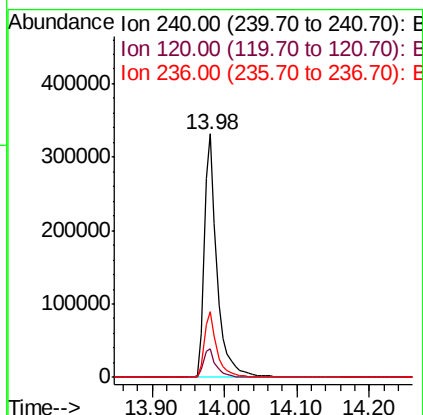
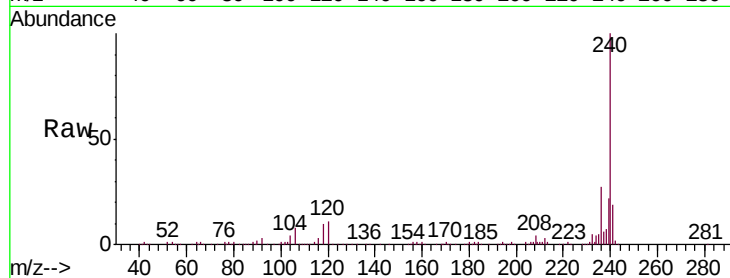




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116329.D
Acq: 16 Aug 2019 20:33

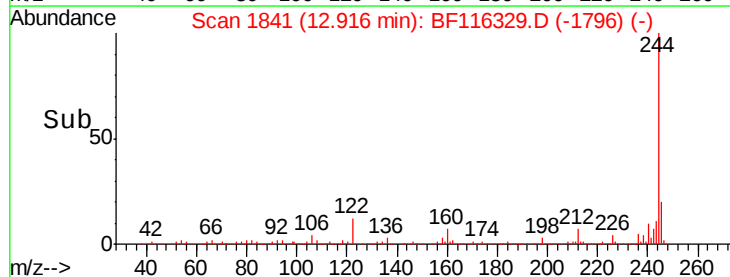
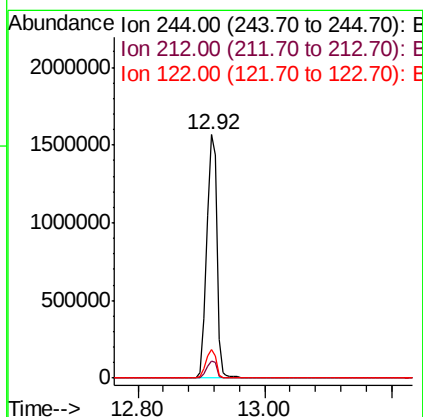
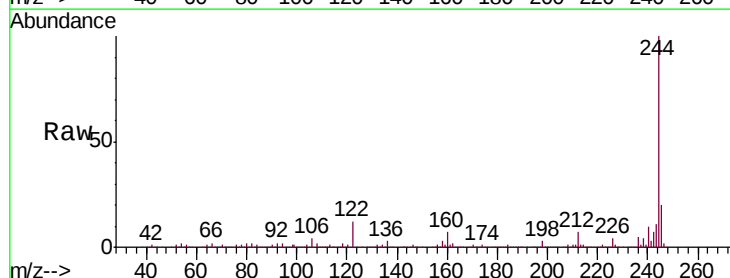
Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMP

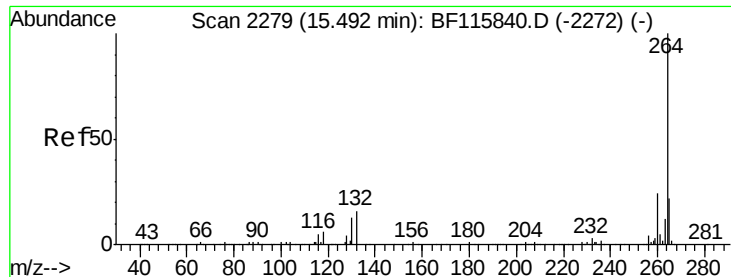
Tgt Ion:240 Resp: 400493
Ion Ratio Lower Upper
240 100
120 11.5 10.7 16.1
236 26.8 22.2 33.2



#79
Terphenyl-d14
Concen: 90.141 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.04 min
Lab File: BF116329.D
Acq: 16 Aug 2019 20:33

Tgt Ion:244 Resp: 1713245
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 11.6 9.0 13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116329.D
Acq: 16 Aug 2019 20:33

Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMP

Tgt Ion: 264 Resp: 356359
Ion Ratio Lower Upper
264 100
260 23.9 19.7 29.5
265 21.7 17.4 26.0

