

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081419\
 Data File : BF116262.D
 Acq On : 14 Aug 2019 15:02
 Operator : HP/JU
 Sample : K4228-22
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-F1-F4-COMP-(0-1)

Quant Time: Aug 14 16:32:04 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

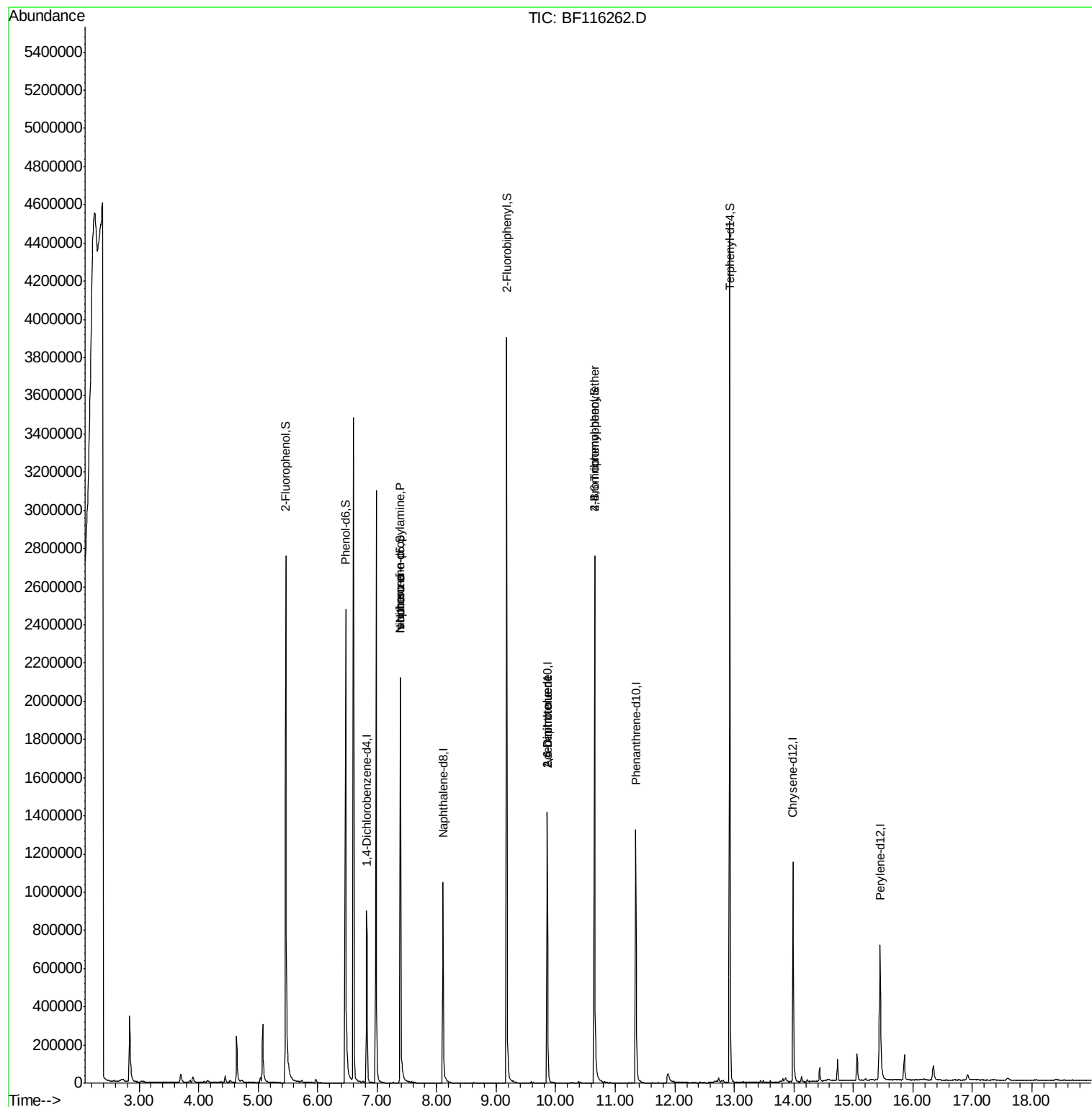
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	145353	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	559099	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	304640	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	564807	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	437617	20.00	ng	-0.02
87) Perylene-d12	15.44	264	408420	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	957755	110.31	ng	0.00
7) Phenol-d6	6.47	99	1126068	102.79	ng	-0.02
23) Nitrobenzene-d5	7.39	82	924780	95.48	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	416683	141.08	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	1527279	93.90	ng	-0.02
79) Terphenyl-d14	12.93	244	1878496	90.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	122635	18.065	ng	# 80
25) Isophorone	7.39	82	924776	49.932	ng	# 65
51) 2,6-Dinitrotoluene	9.86	165	38929	8.636	ng	# 29
57) 2,4-Dinitrotoluene	9.86	165	38929	6.486	ng	# 20
67) 4-Bromophenyl-phenylether	10.65	248	25596	4.233	ng	# 1

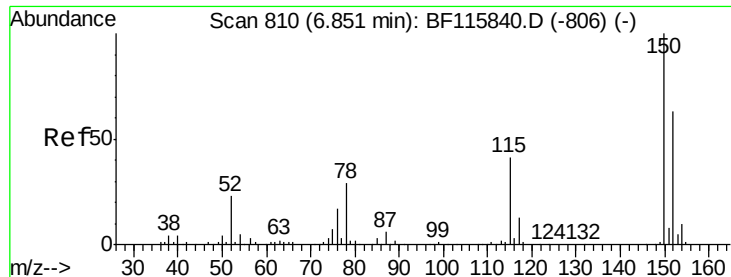
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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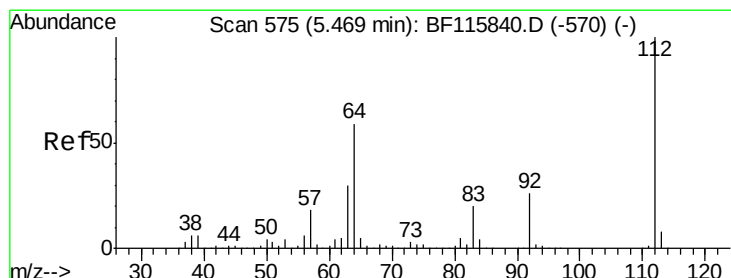
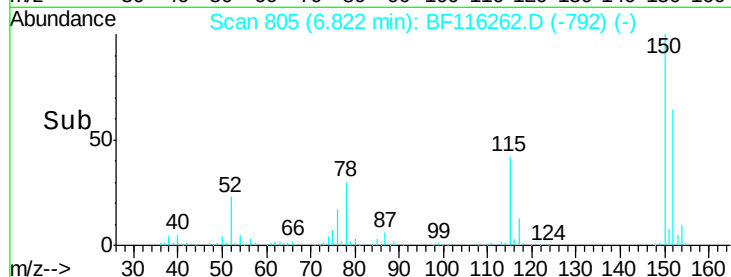
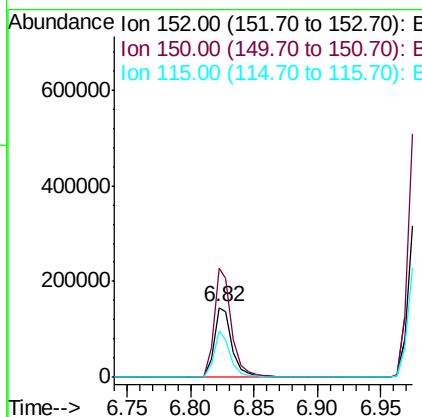
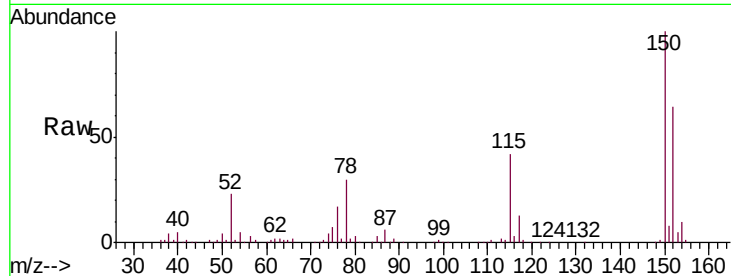


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF116262.D
Acq: 14 Aug 2019 15:02

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

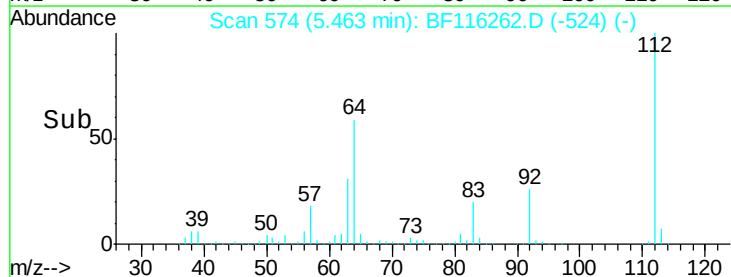
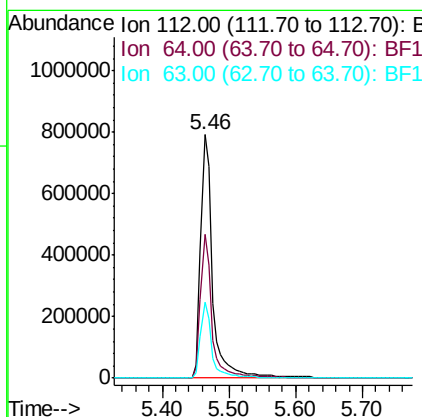
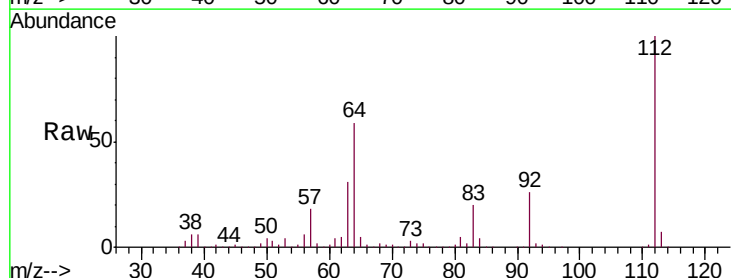
Tgt Ion:152 Resp: 145353
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 65.6 49.9 74.9

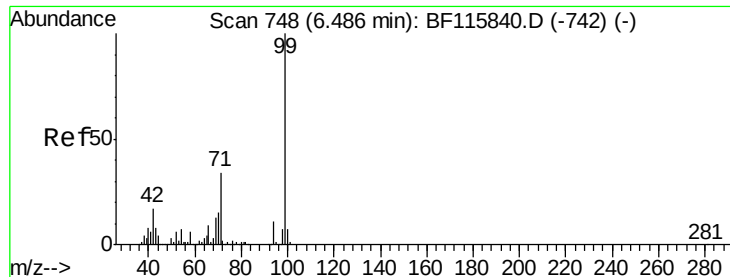


#5

2-Fluorophenol
Concen: 110.307 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116262.D
Acq: 14 Aug 2019 15:02

Tgt Ion:112 Resp: 957755
Ion Ratio Lower Upper
112 100
64 59.0 45.4 68.2
63 31.0 23.7 35.5





#7

Phenol-d6

Concen: 102.793 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

Instrument :

BNA_F

ClientSampleId :

2S-F1-F4-COMP-(0-1)

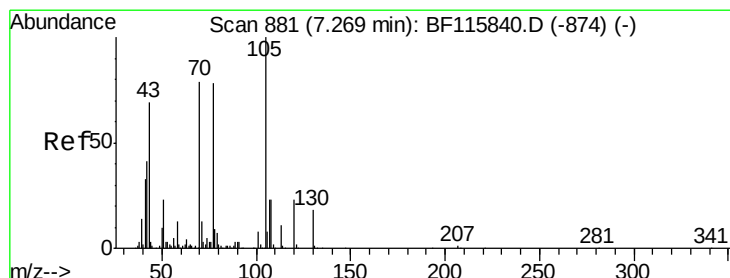
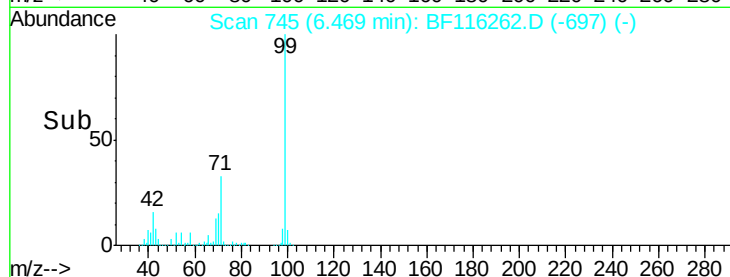
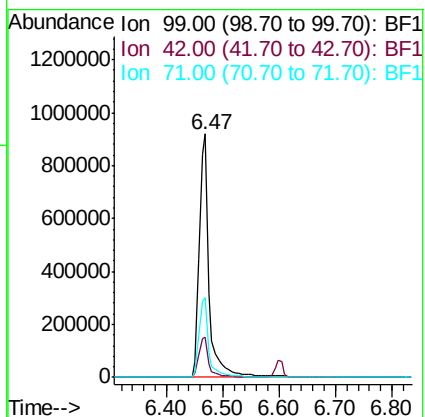
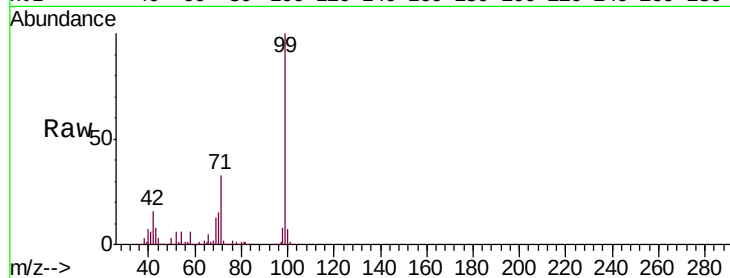
Tgt Ion: 99 Resp: 1126068

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.8

71 32.7 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 18.065 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

Tgt Ion: 70 Resp: 122635

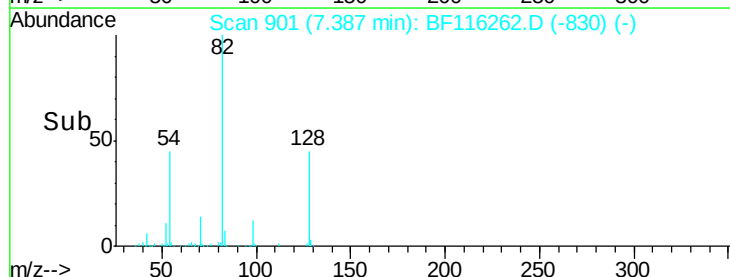
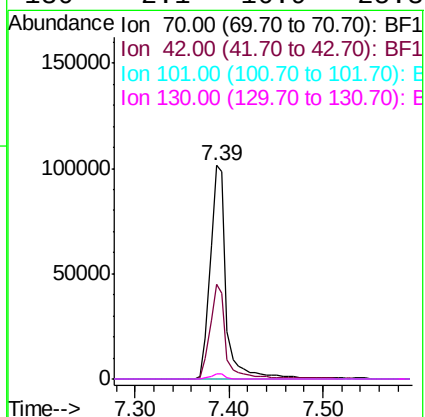
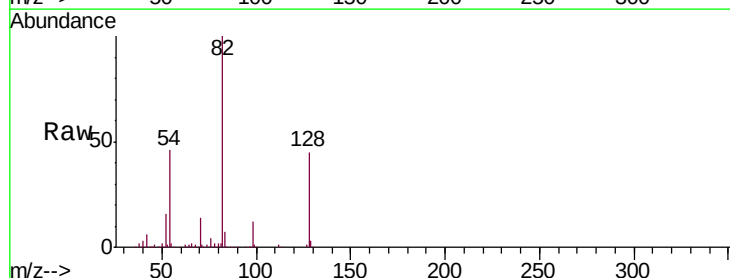
Ion Ratio Lower Upper

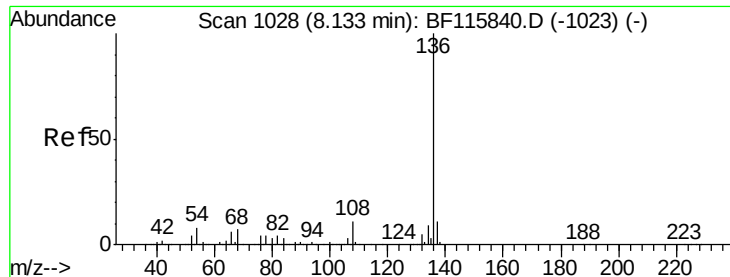
70 100

42 44.3 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

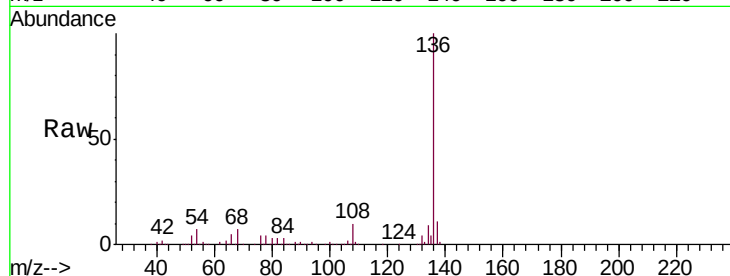




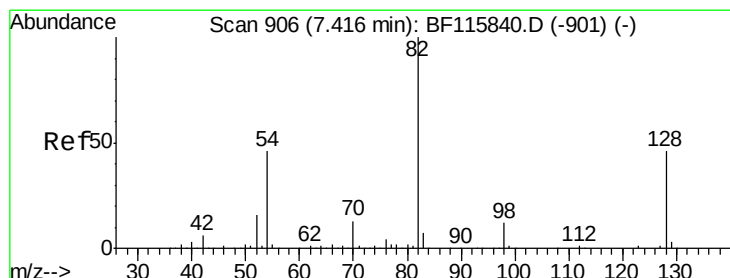
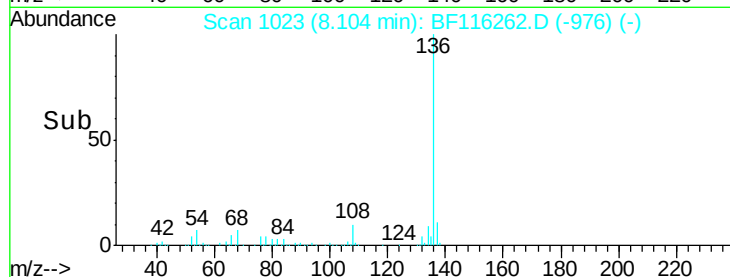
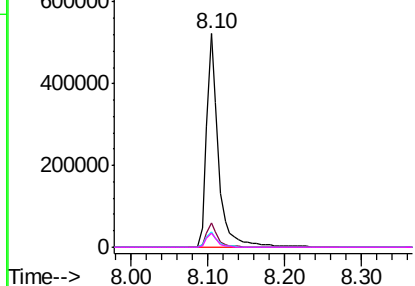
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116262.D
Acq: 14 Aug 2019 15:02

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tgt Ion:	136	Resp:	559099
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.0	5.8	8.6
68	6.6	5.2	7.8

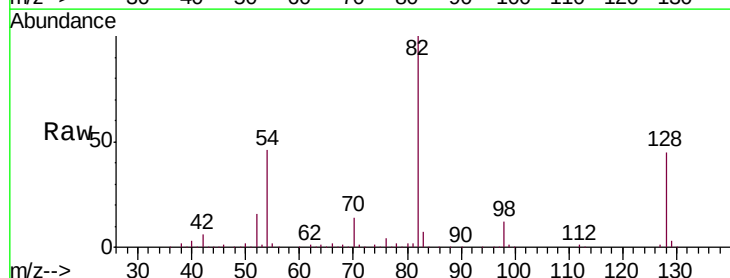


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF1
400000
Ion 68.00 (67.70 to 68.70): BF1
200000
0

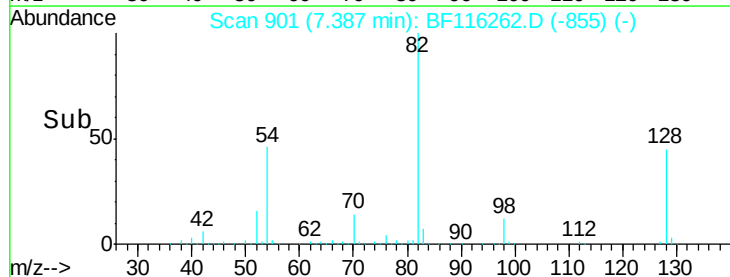
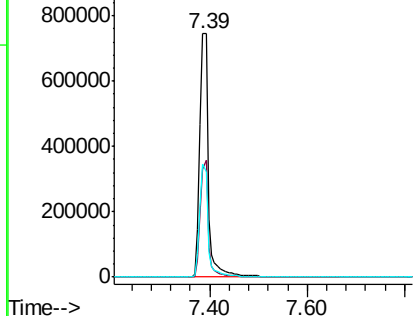


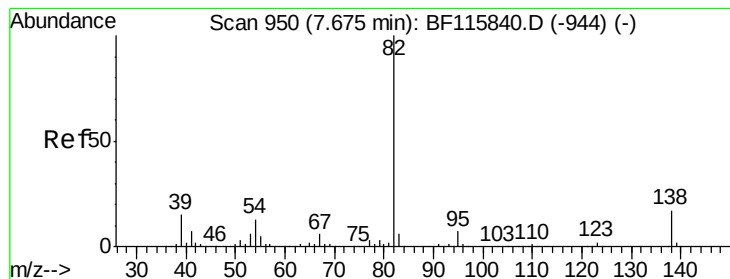
#23
Nitrobenzene-d5
Concen: 95.477 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF116262.D
Acq: 14 Aug 2019 15:02

Tgt Ion:	82	Resp:	924780
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.5	54.7
54	46.2	36.0	54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
Ion 128.00 (127.70 to 128.70): E
800000
Ion 54.00 (53.70 to 54.70): BF1
600000
400000
200000
0





#25

Isophorone

Concen: 49.932 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.29 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

Instrument :

BNA_F

ClientSampleId :

2S-F1-F4-COMP-(0-1)

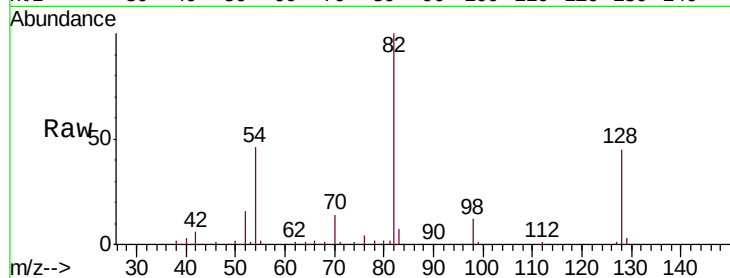
Tgt Ion: 82 Resp: 924776

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

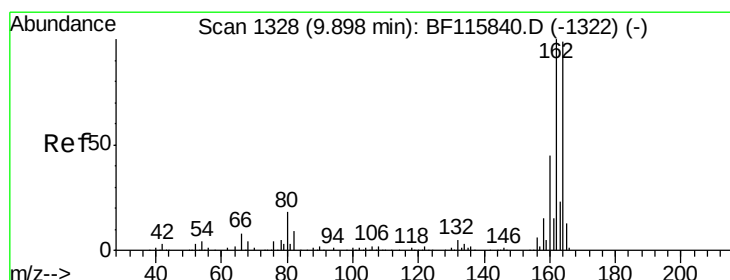
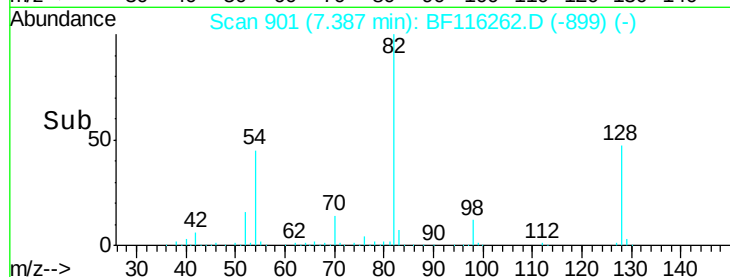
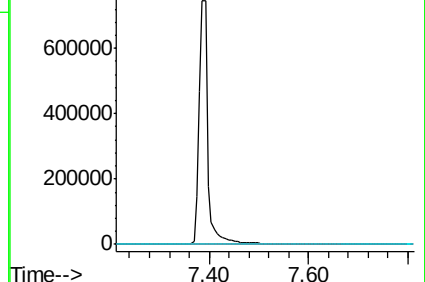
138 0.0 14.5 21.7#



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: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

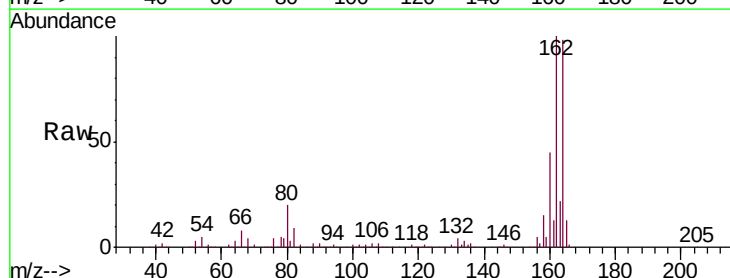
Tgt Ion: 164 Resp: 304640

Ion Ratio Lower Upper

164 100

162 102.1 82.6 124.0

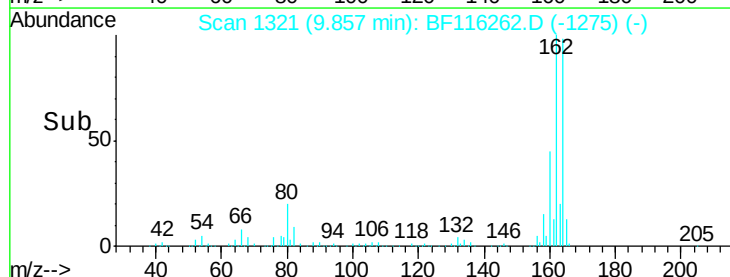
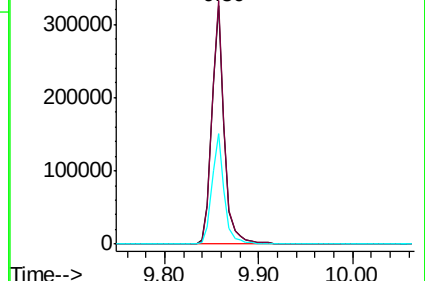
160 46.1 37.6 56.4

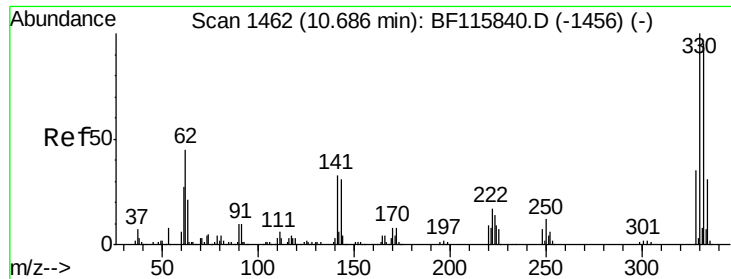


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

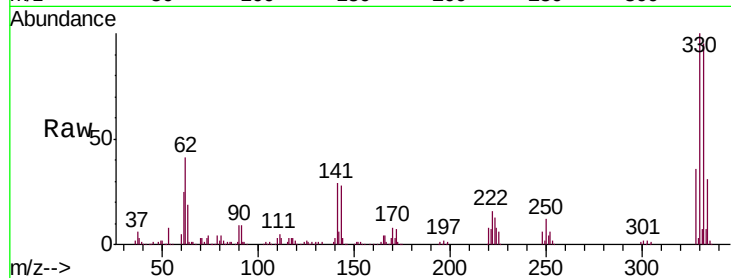




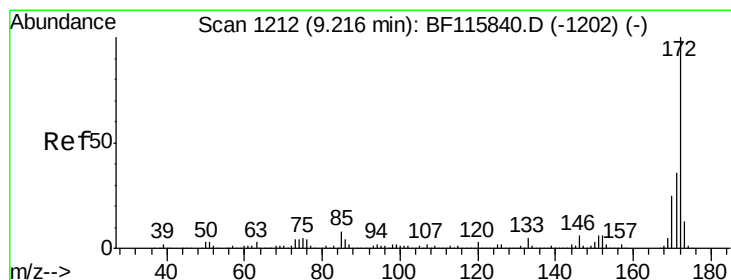
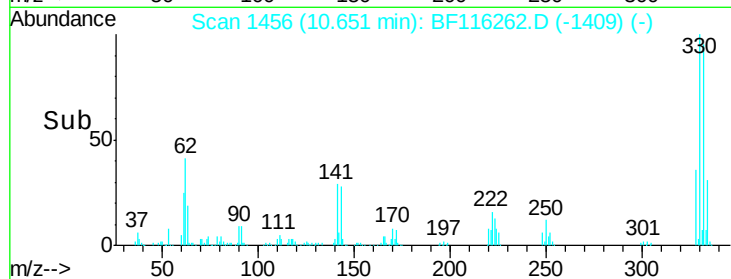
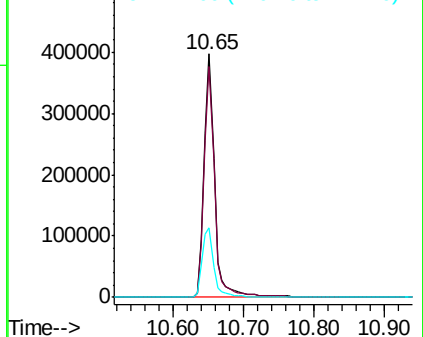
#42
 2,4,6-Tribromophenol
 Concen: 141.078 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF116262.D
 Acq: 14 Aug 2019 15:02

Instrument :
 BNA_F
 ClientSampleId :
 2S-F1-F4-COMP-(0-1)

Tgt Ion:330 Resp: 416683
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.8 115.2
 141 32.4 26.3 39.5

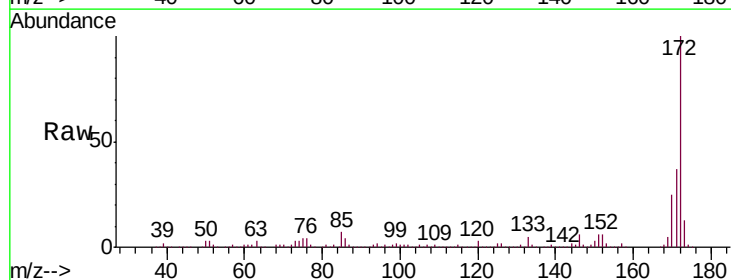


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

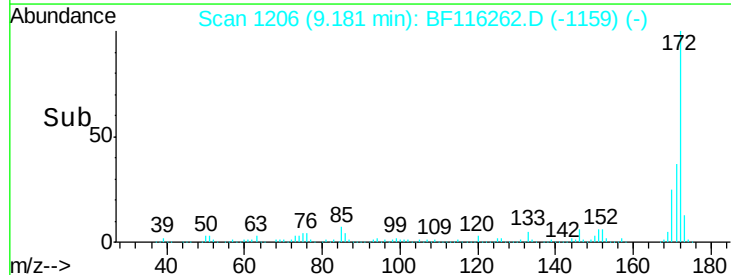
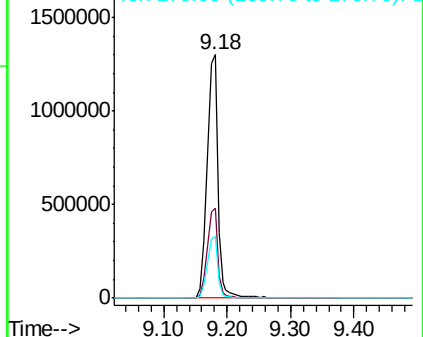


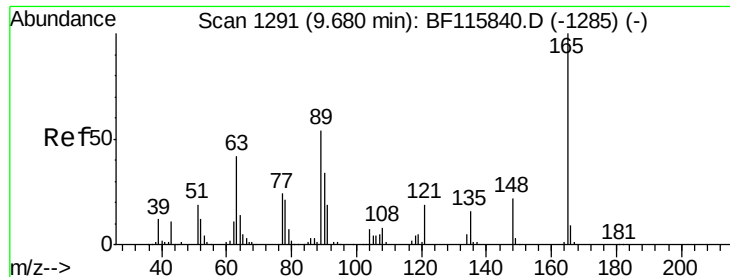
#45
 2-Fluorobiphenyl
 Concen: 93.904 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF116262.D
 Acq: 14 Aug 2019 15:02

Tgt Ion:172 Resp: 1527279
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 25.3 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: 8.636 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.18 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

Instrument :

BNA_F

ClientSampleId :

2S-F1-F4-COMP-(0-1)

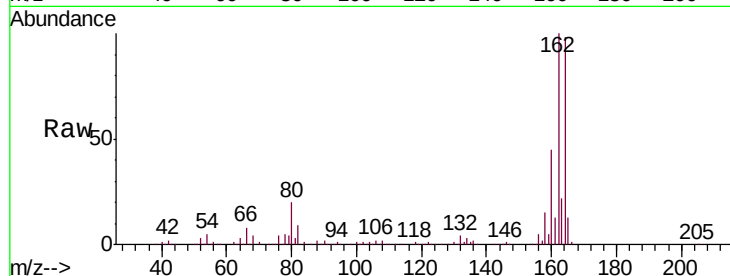
Tgt Ion:165 Resp: 38929

Ion Ratio Lower Upper

165 100

63 1.2 38.2 57.2#

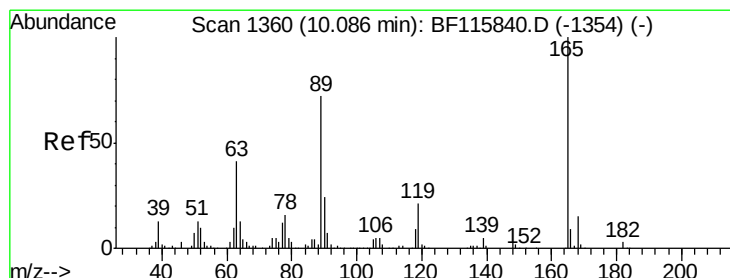
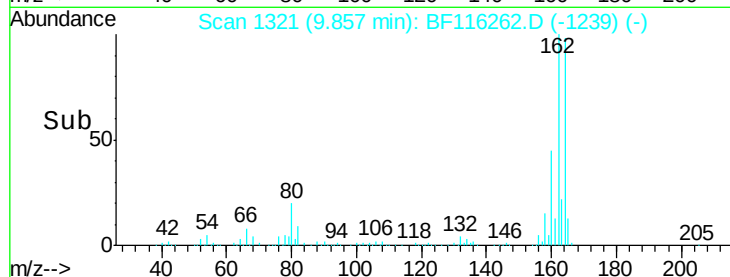
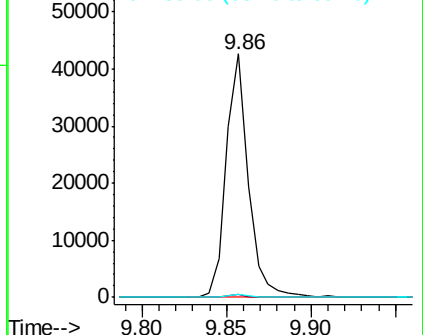
89 1.4 42.9 64.3#



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: 6.486 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

Tgt Ion:165 Resp: 38929

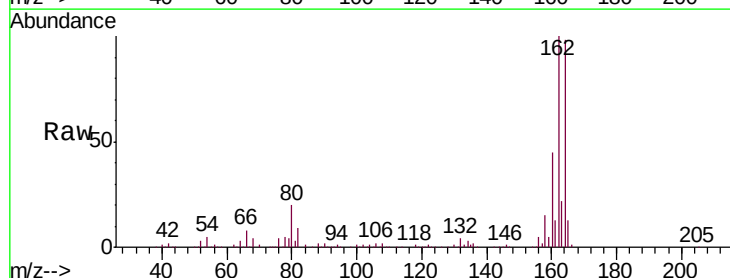
Ion Ratio Lower Upper

165 100

63 1.2 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#

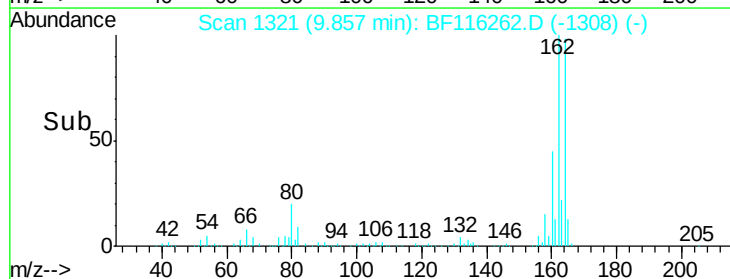
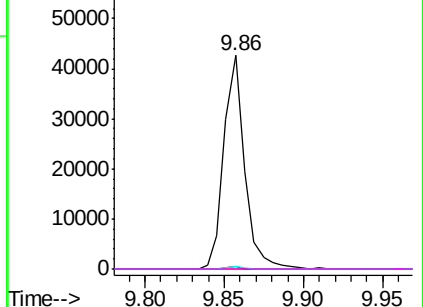


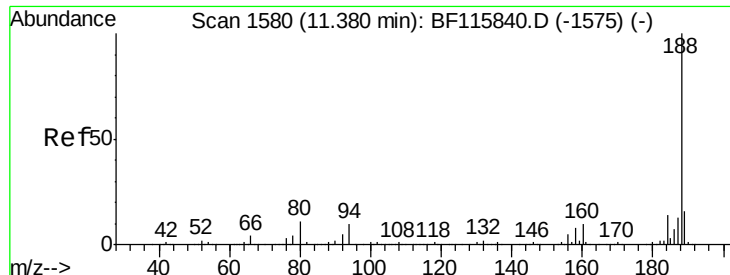
Abundance Ion 165.00 (164.70 to 165.70): E

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

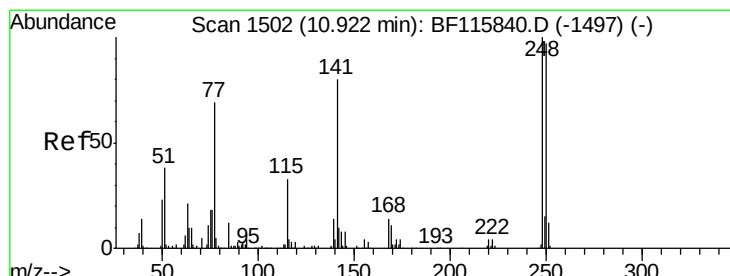
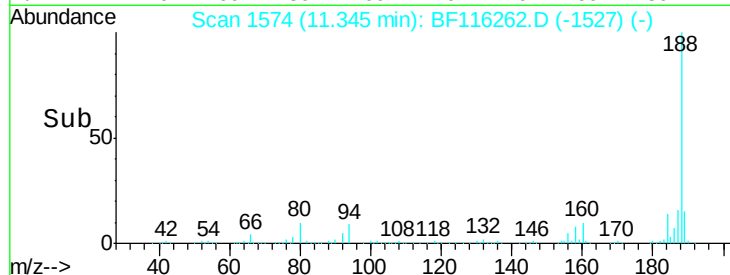
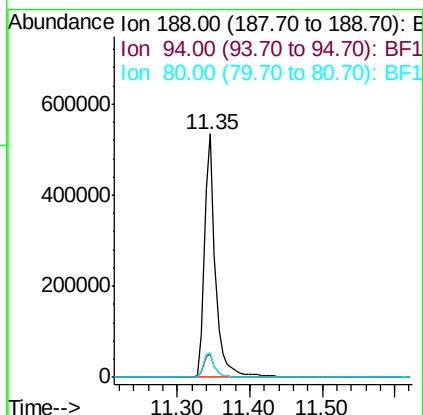
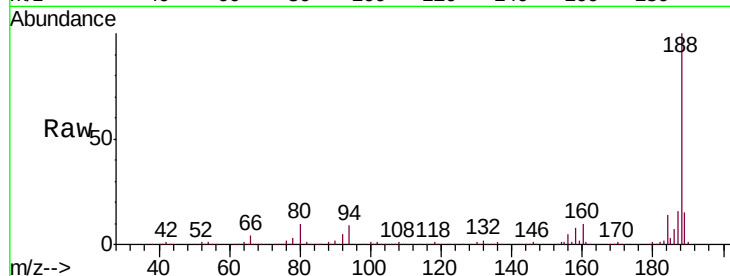




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116262.D
 Acq: 14 Aug 2019 15:02

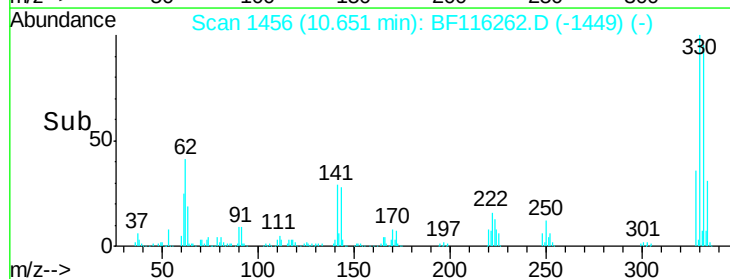
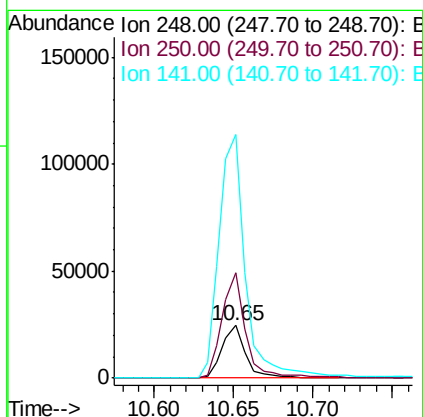
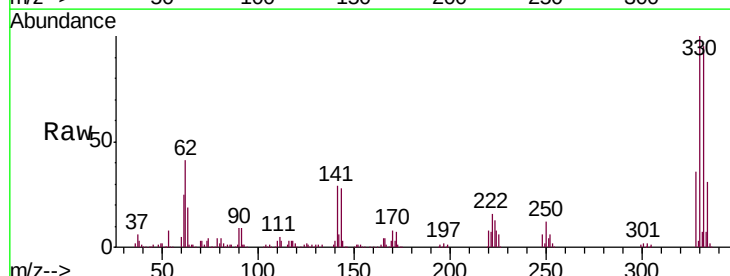
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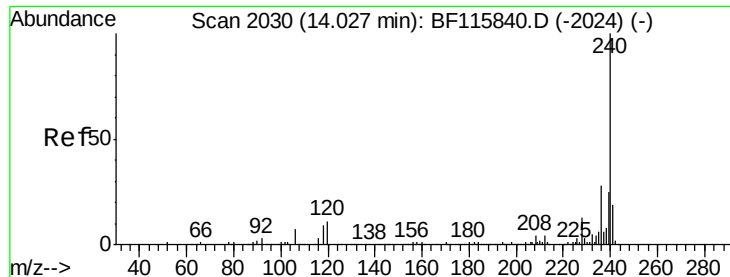
Tgt Ion:188 Resp: 564807
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.1 12.1
 80 10.2 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.233 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.26 min
 Lab File: BF116262.D
 Acq: 14 Aug 2019 15:02

Tgt Ion:248 Resp: 25596
 Ion Ratio Lower Upper
 248 100
 250 200.5 77.4 116.2#
 141 465.5 56.8 85.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

Instrument :

BNA_F

ClientSampleId :

2S-F1-F4-COMP-(0-1)

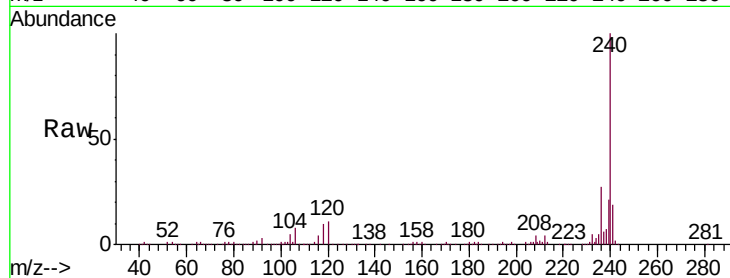
Tgt Ion:240 Resp: 437617

Ion Ratio Lower Upper

240 100

120 11.4 10.7 16.1

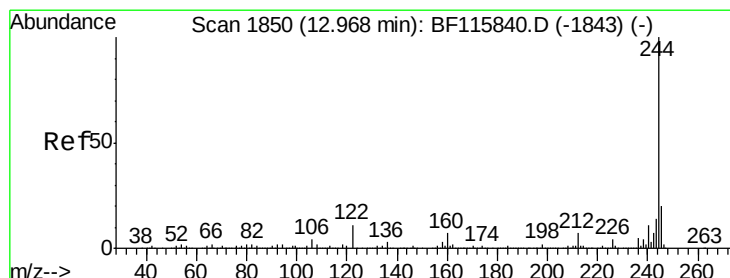
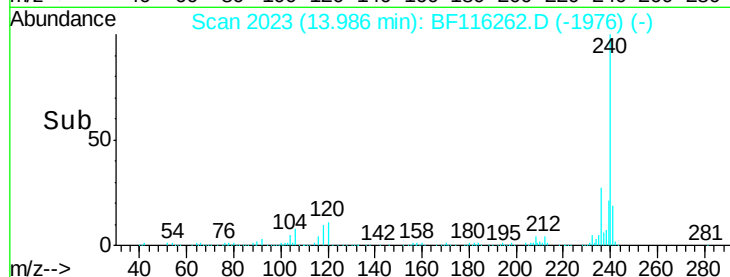
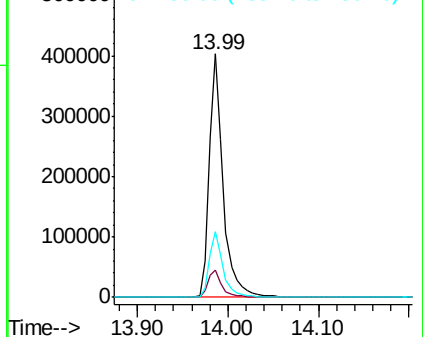
236 27.1 22.2 33.2



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: 90.451 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF116262.D

Acq: 14 Aug 2019 15:02

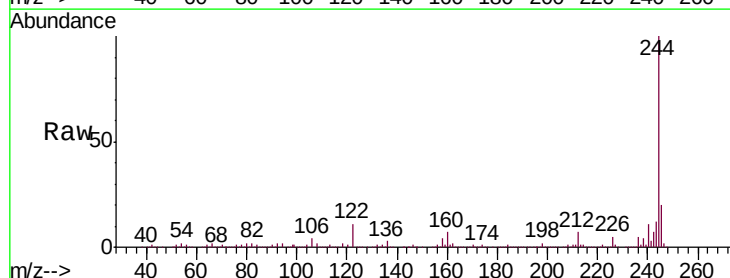
Tgt Ion:244 Resp: 1878496

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

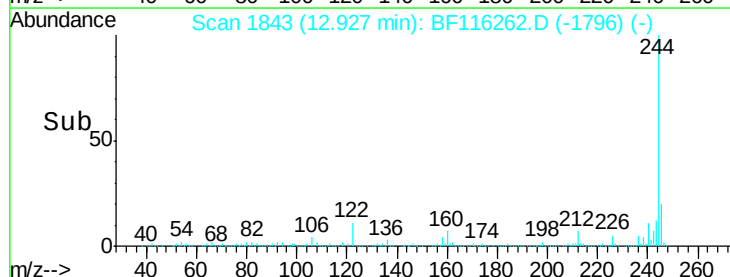
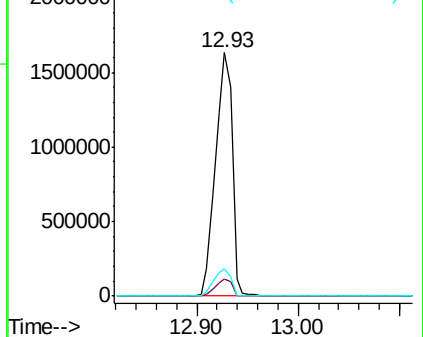
122 11.2 9.0 13.4

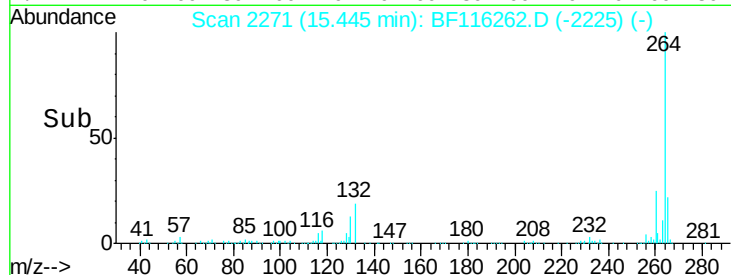
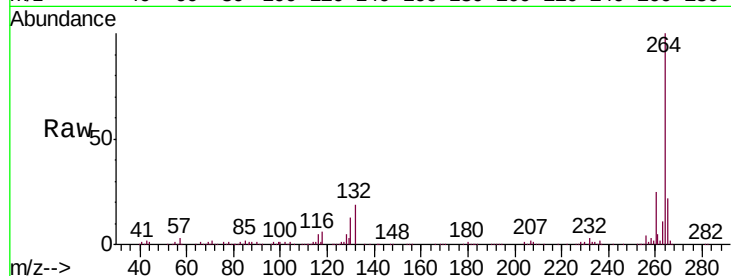
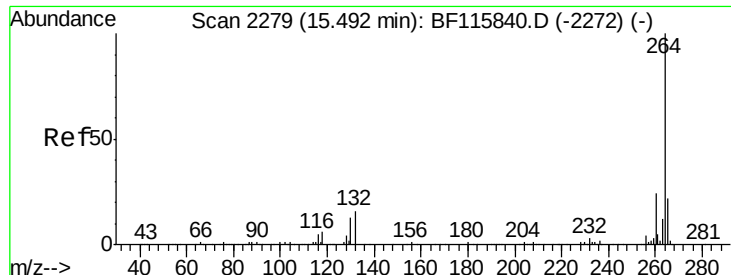


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 2271
Delta R.T. -0.03 min
Lab File: BF116262.D
Acq: 14 Aug 2019 15:02

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tgt Ion:	264	Resp:	408420
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	22.4	17.4	26.0

