

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116693.D
 Acq On : 31 Aug 2019 12:29
 Operator : HP/JU
 Sample : K4618-09RE 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-22-24

Quant Time: Aug 31 16:03:15 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

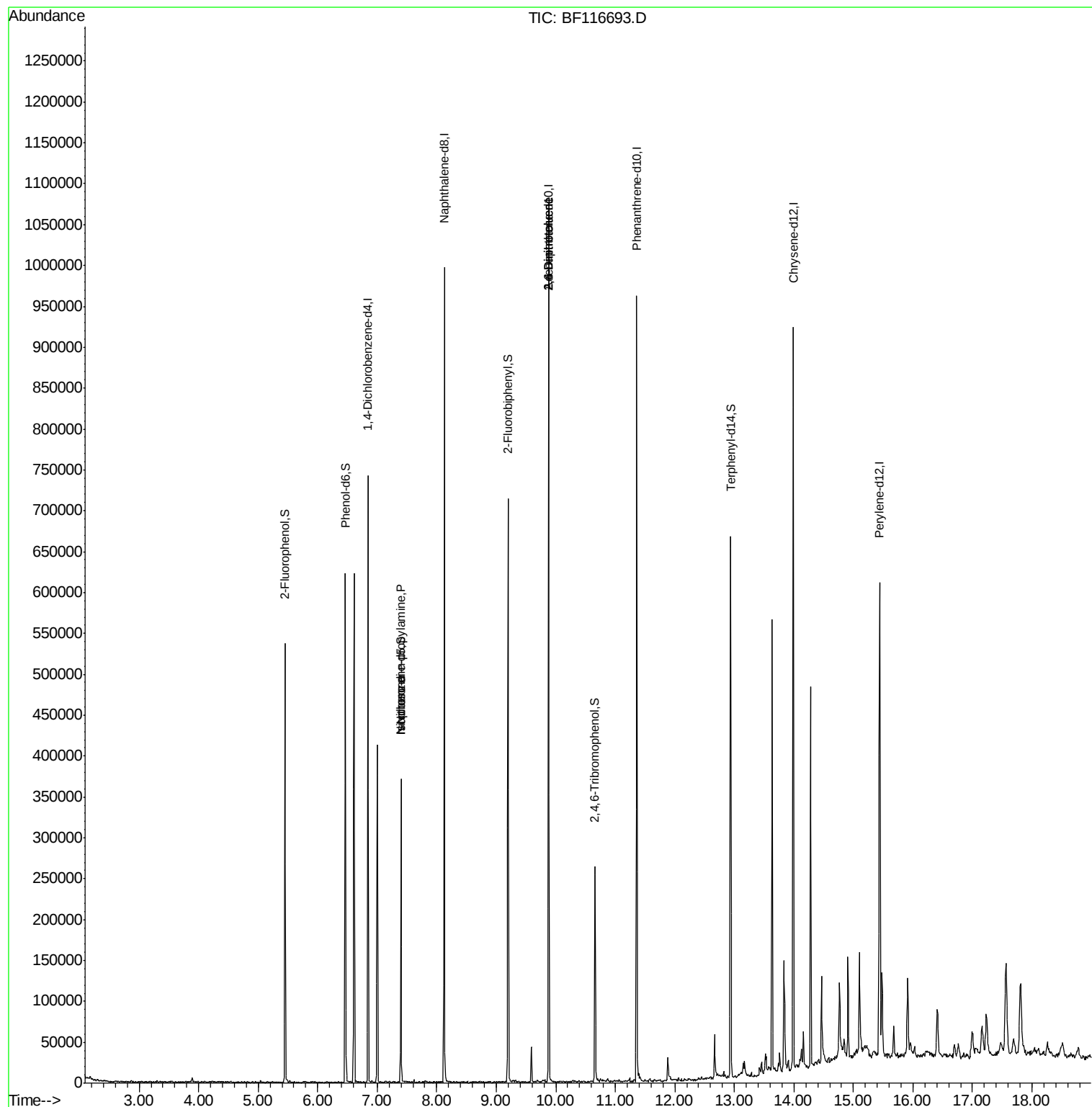
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	98085	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	396400	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	208053	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	349248	20.00	ng	0.00
76) Chrysene-d12	13.99	240	280224	20.00	ng	0.00
87) Perylene-d12	15.44	264	254918	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	135576	22.39	ng	-0.01
7) Phenol-d6	6.46	99	185176	23.29	ng	-0.02
23) Nitrobenzene-d5	7.40	82	107852	15.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	26993	19.41	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	183797	14.90	ng	-0.01
79) Terphenyl-d14	12.94	244	188163	12.42	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	13876	2.651	ng	# 73
25) Isophorone	7.40	82	107850	7.665	ng	# 67
51) 2,6-Dinitrotoluene	9.88	165	26253	9.580	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	26253	7.834	ng	# 21

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

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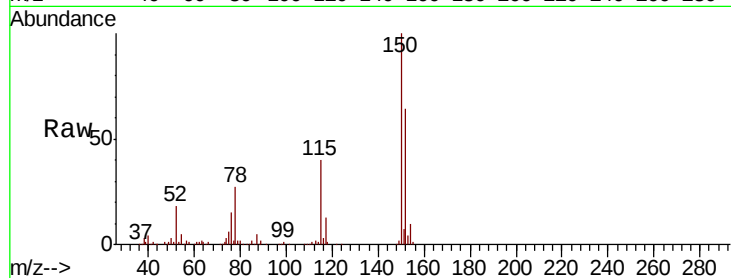


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116693.D
Acq: 31 Aug 2019 12:29

Instrument :
BNA_F
ClientSampleId :
SB-4-22-24

Tot Ion	152	Resp	98085
Ion Ratio	Lower	Upper	
152	100		
150	155.3	124.4	186.6
115	61.7	49.9	74.9

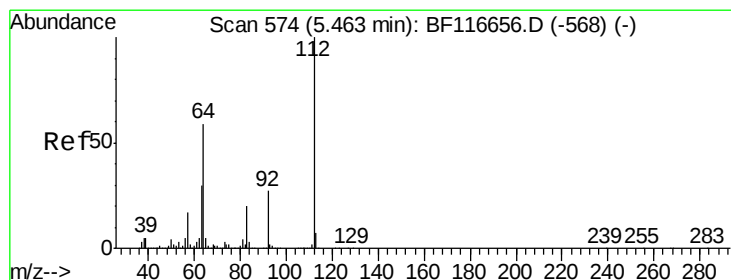
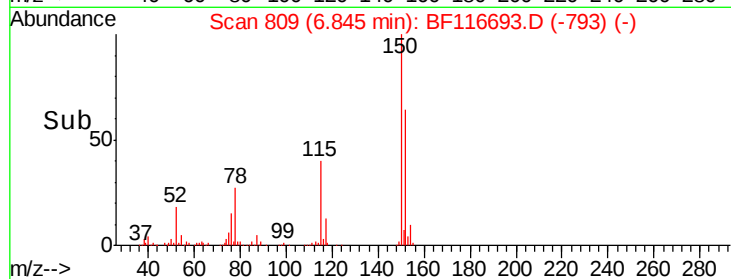
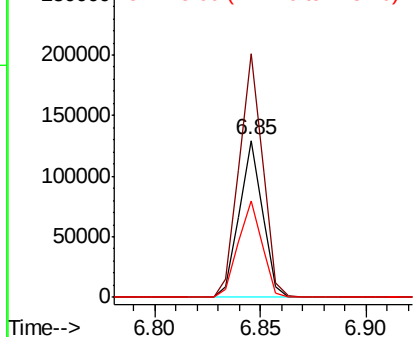


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

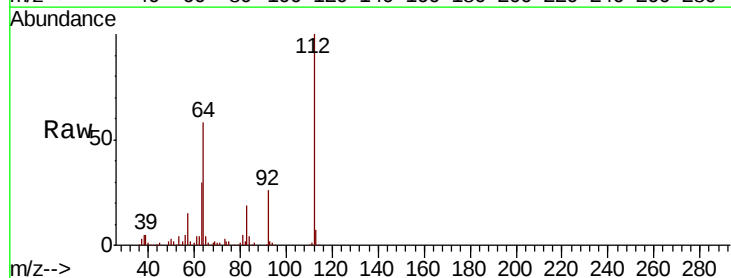
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.393 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116693.D
Acq: 31 Aug 2019 12:29

Tgt Ion	112	Resp	135576
Ion Ratio	Lower	Upper	
112	100		
64	58.1	47.1	70.7
63	29.8	24.9	37.3

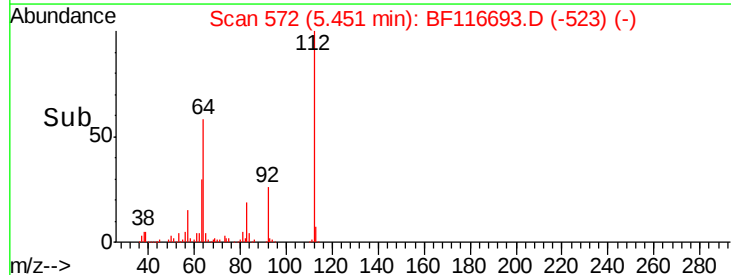
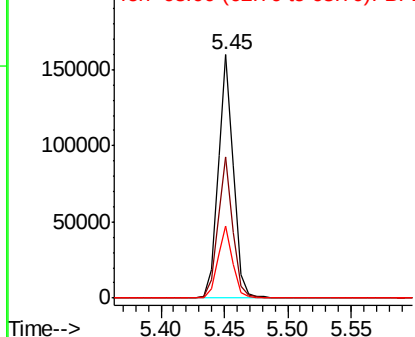


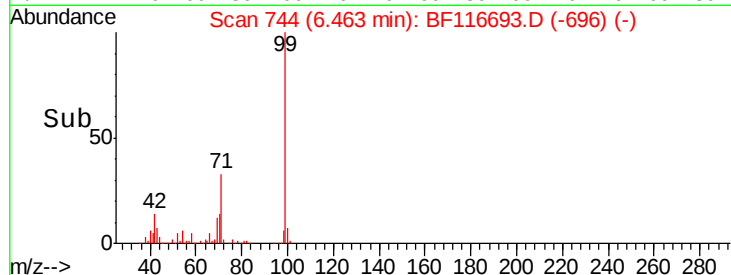
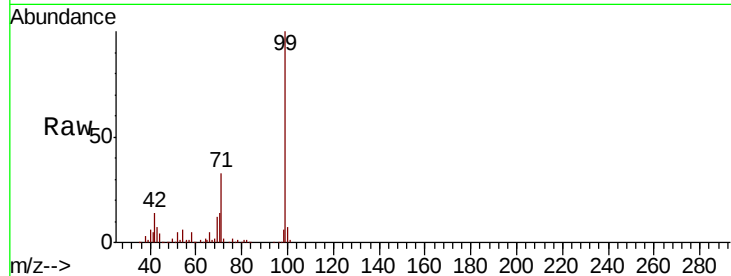
Abundance

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: 23.292 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

Instrument :

BNA_F

ClientSampleId :

SB-4-22-24

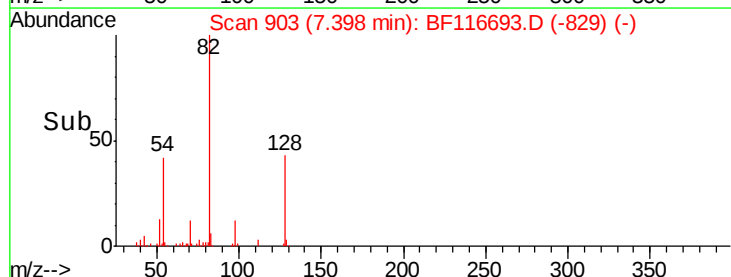
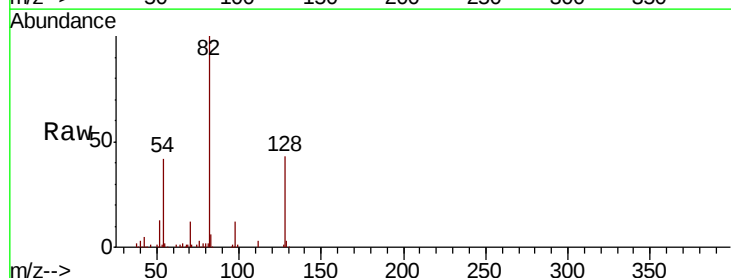
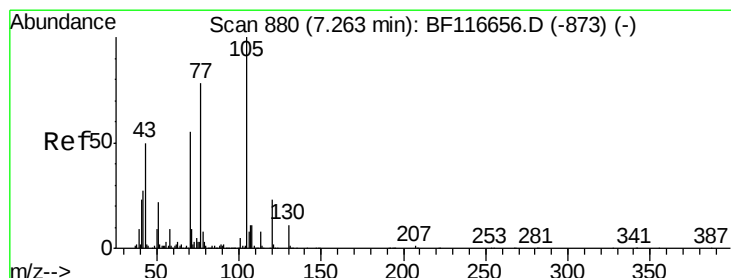
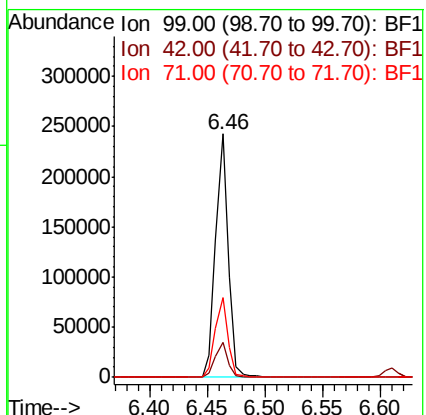
Tot Ion: 99 Resp: 185176

Ion Ratio Lower Upper

99 100

42 14.4 13.7 20.5

71 32.6 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 2.651 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

Tgt Ion: 70 Resp: 13876

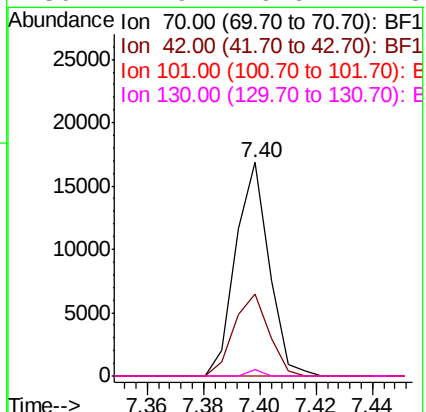
Ion Ratio Lower Upper

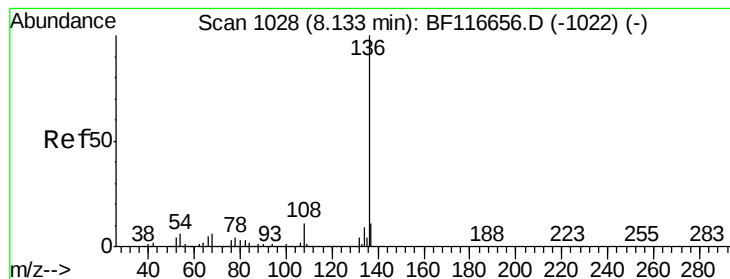
70 100

42 38.2 43.5 65.3#

101 0.0 7.8 11.6#

130 2.9 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: BF116693.D

Acq: 31 Aug 2019 12:29

Instrument :

BNA_F

ClientSampleId :

SB-4-22-24

Tot Ion:136 Resp: 396400

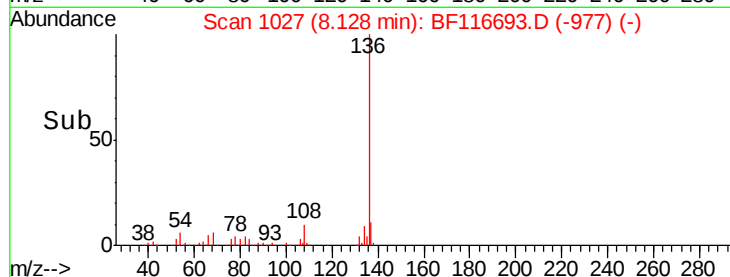
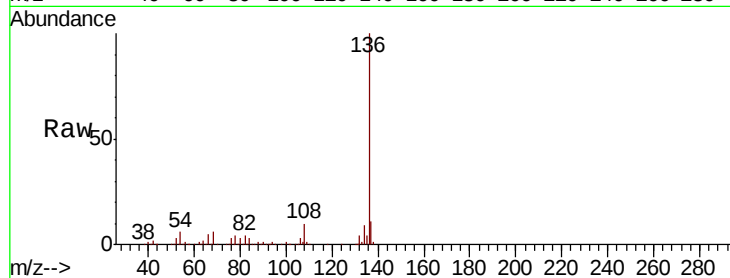
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 5.8 4.8 7.2

68 5.7 4.0 6.0

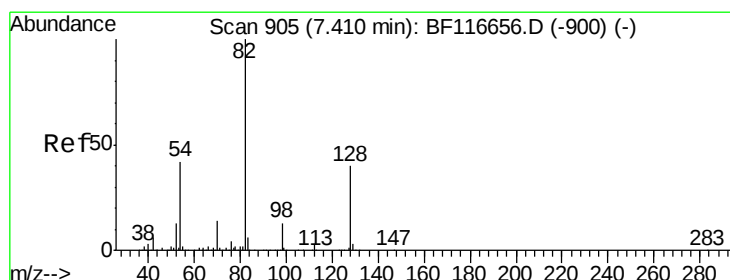
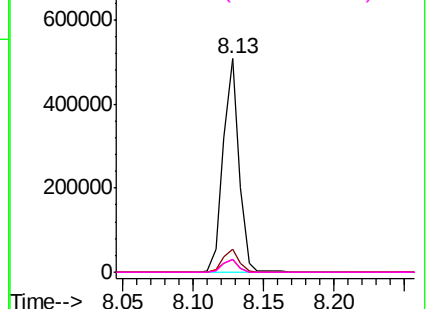


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.532 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

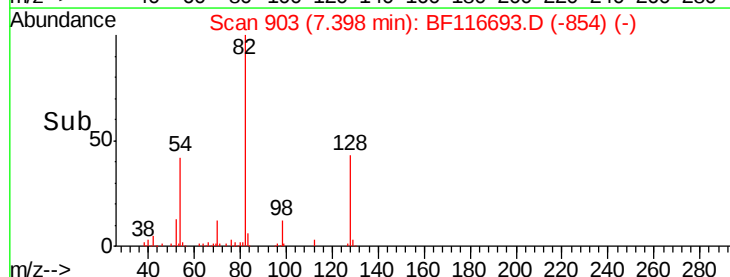
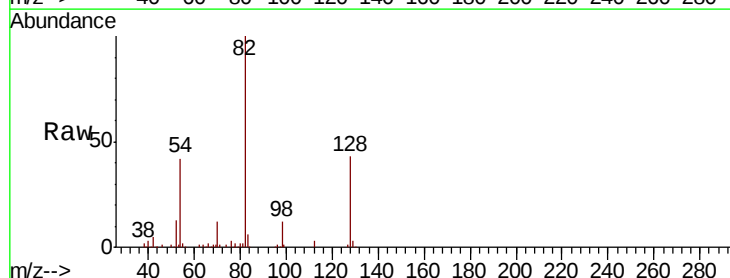
Tgt Ion: 82 Resp: 107852

Ion Ratio Lower Upper

82 100

128 42.7 32.8 49.2

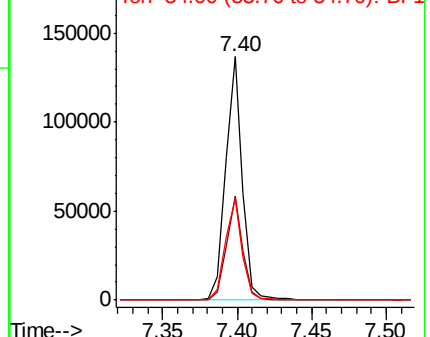
54 41.7 36.9 55.3

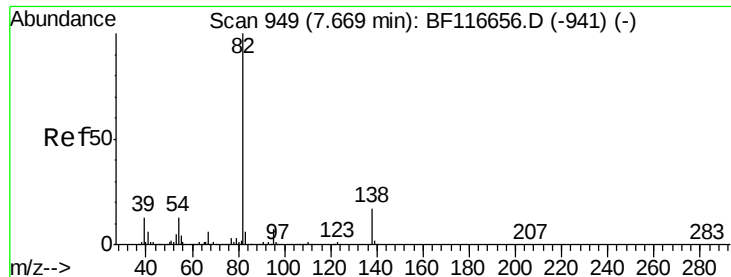


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.665 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

Instrument :

BNA_F

ClientSampleId :

SB-4-22-24

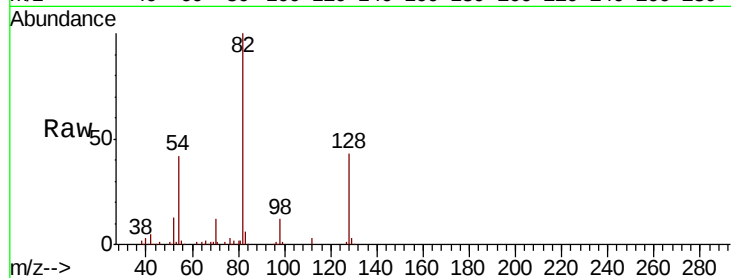
Tot Ion: 82 Resp: 107850

Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.6#

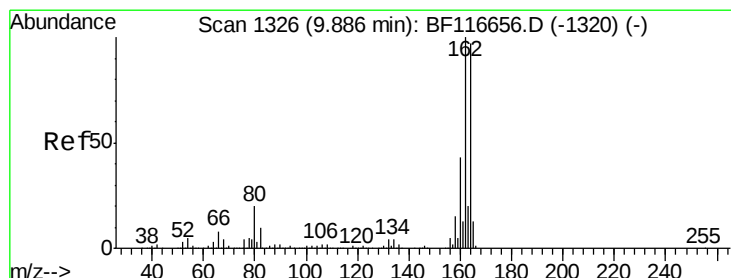
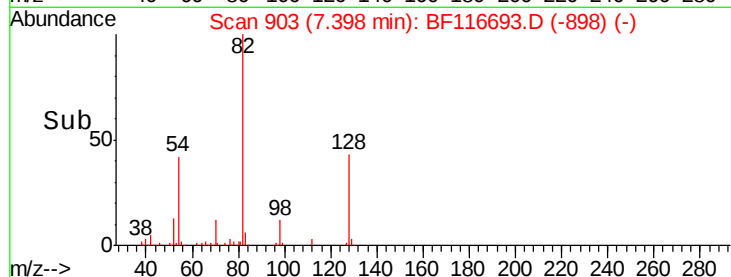
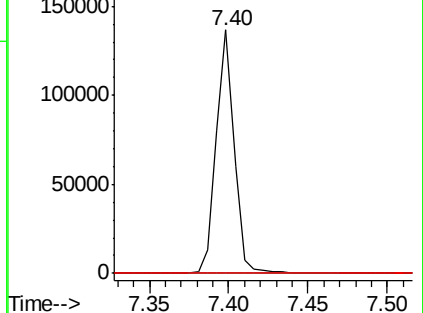
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

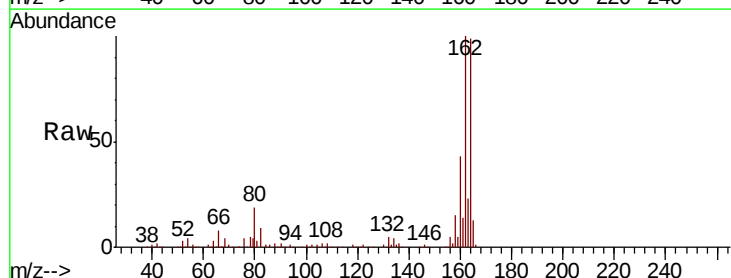
Tgt Ion: 164 Resp: 208053

Ion Ratio Lower Upper

164 100

162 100.5 81.4 122.0

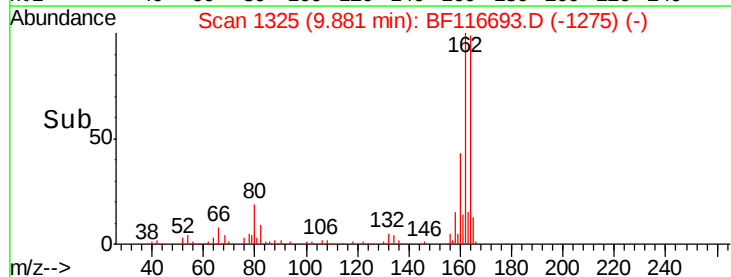
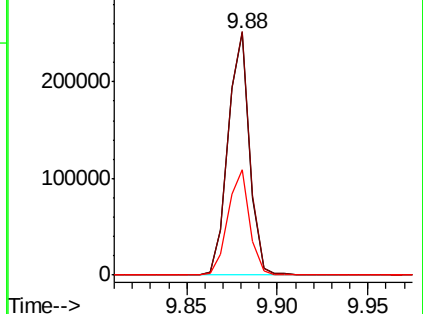
160 43.7 35.4 53.2

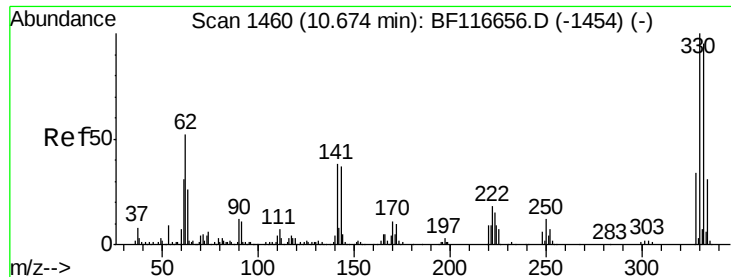


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 19.407 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

Instrument :

BNA_F

ClientSampleId :

SB-4-22-24

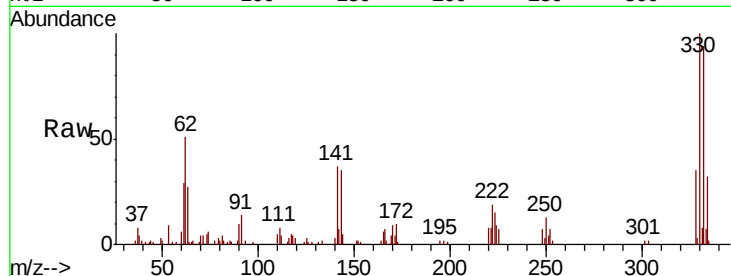
Tot Ion:330 Resp: 26993

Ion Ratio Lower Upper

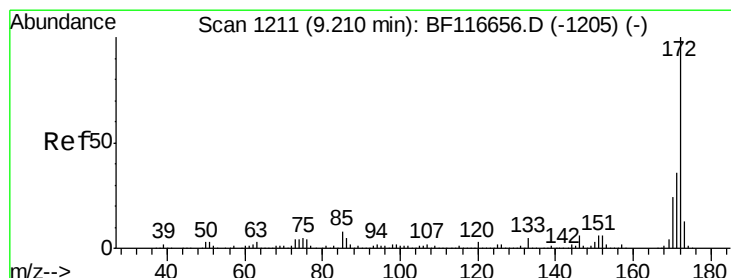
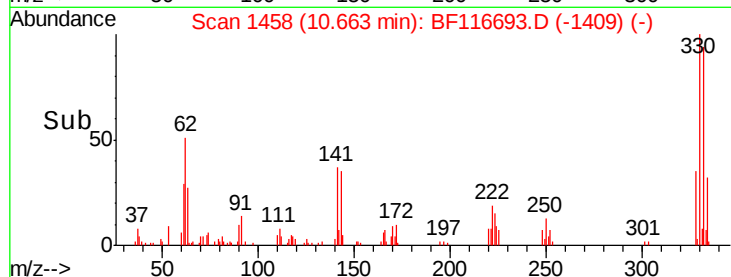
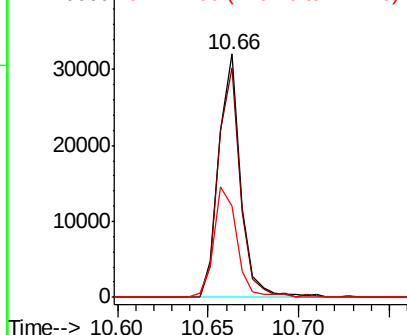
330 100

332 94.0 76.9 115.3

141 47.4 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: 14.902 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

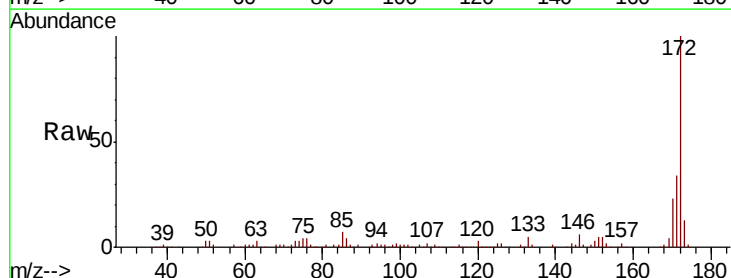
Tgt Ion:172 Resp: 183797

Ion Ratio Lower Upper

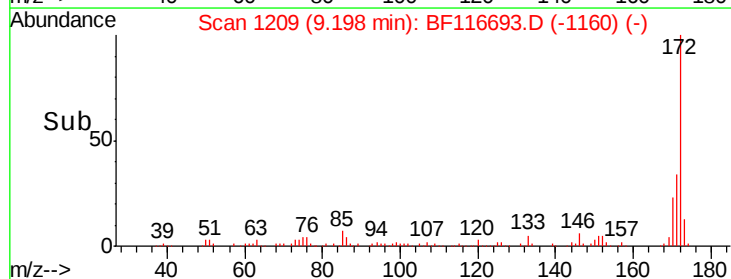
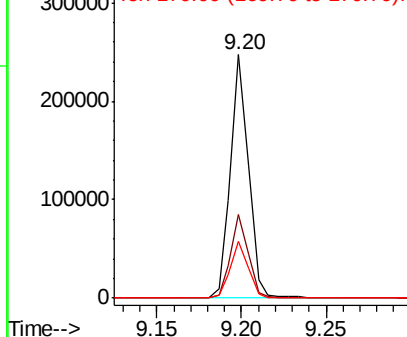
172 100

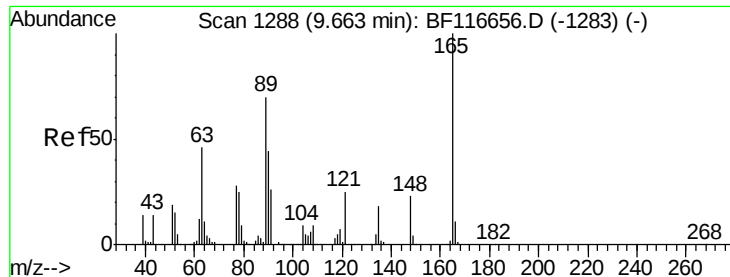
171 34.4 27.8 41.6

170 23.4 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

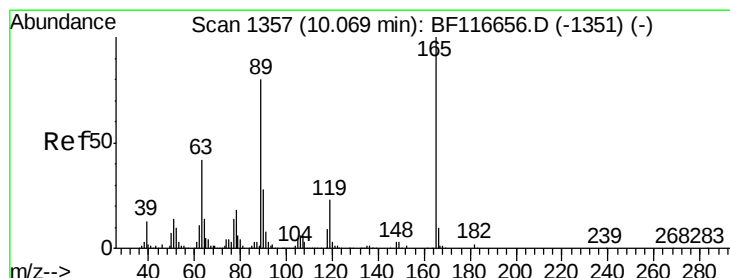
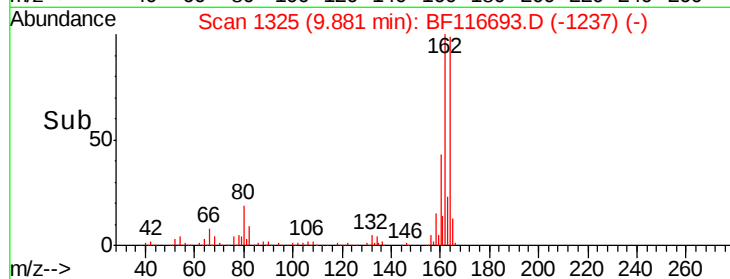
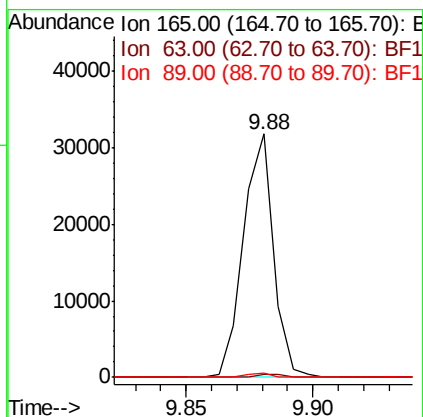
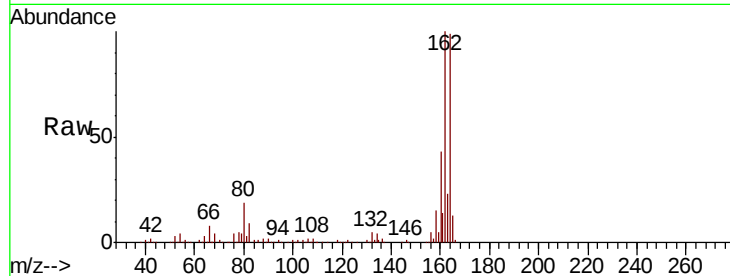




#51
 2,6-Dinitrotoluene
 Concen: 9.580 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116693.D
 Acq: 31 Aug 2019 12:29

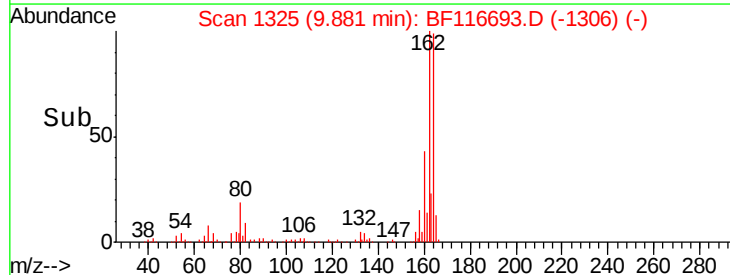
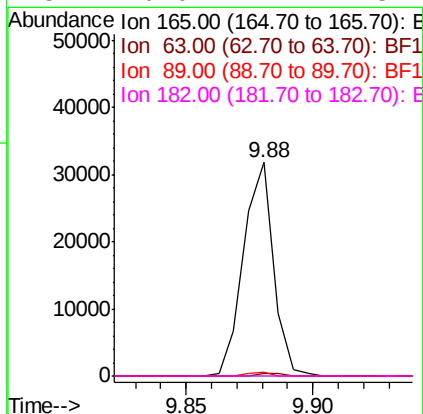
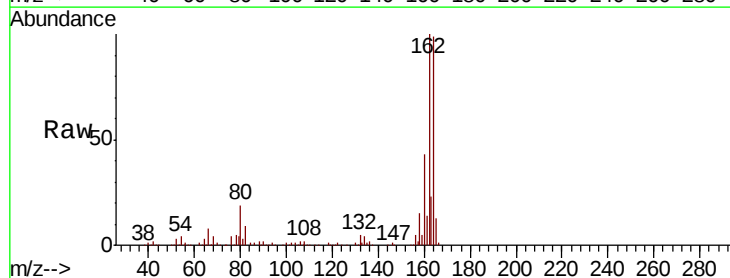
Instrument :
 BNA_F
 ClientSampleId :
 SB-4-22-24

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	47.3	70.9#
89	1.7	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 7.834 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116693.D
 Acq: 31 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	62.6	94.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

Instrument :

BNA_F

ClientSampleId :

SB-4-22-24

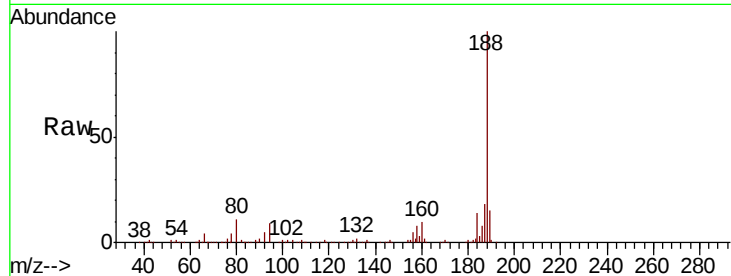
Tot Ion:188 Resp: 349248

Ion Ratio Lower Upper

188 100

94 9.4 7.3 10.9

80 10.8 8.4 12.6

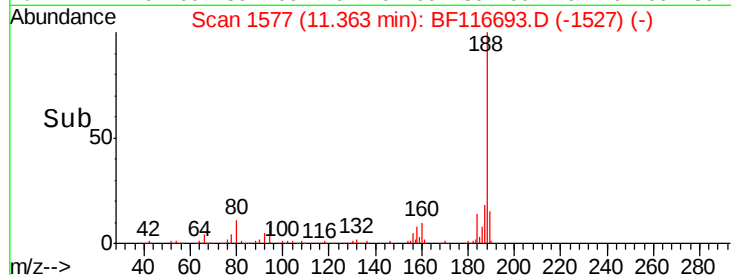


Abundance Ion 188.00 (187.70 to 188.70): E

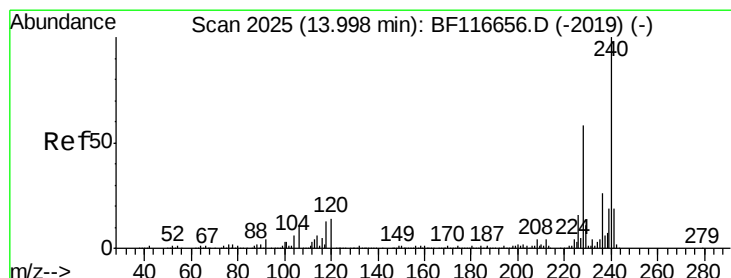
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

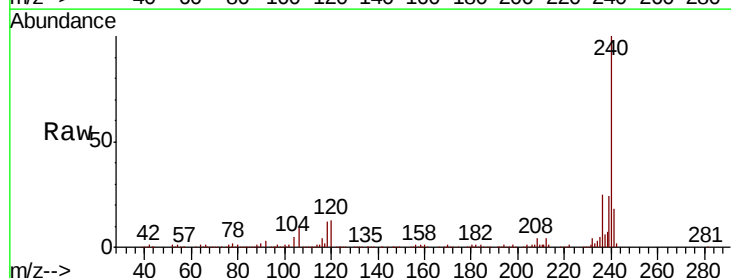
Tgt Ion:240 Resp: 280224

Ion Ratio Lower Upper

240 100

120 12.6 9.1 13.7

236 25.4 21.1 31.7

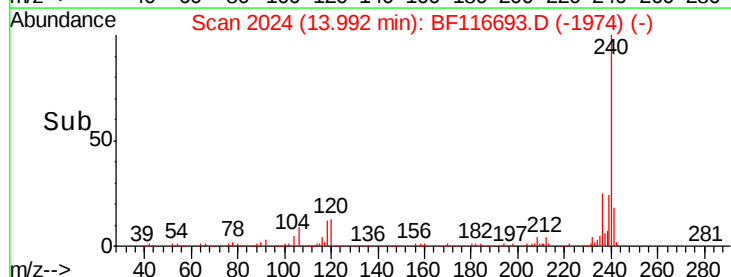


Abundance Ion 240.00 (239.70 to 240.70): E

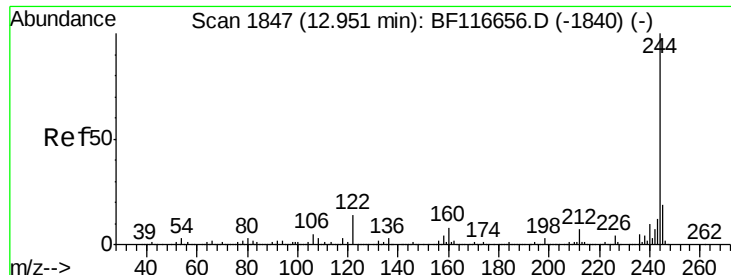
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#79

Terphenyl-d14

Concen: 12.422 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116693.D

Acq: 31 Aug 2019 12:29

Instrument :

BNA_F

ClientSampleId :

SB-4-22-24

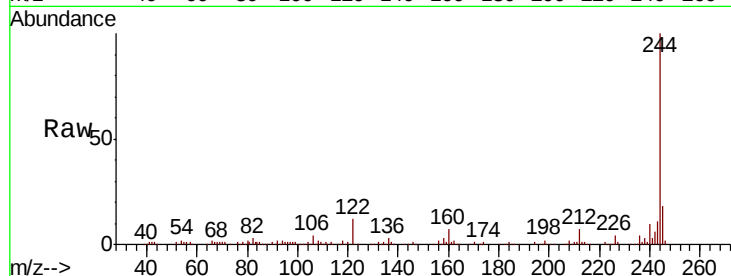
Tot Ion:244 Resp: 188163

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

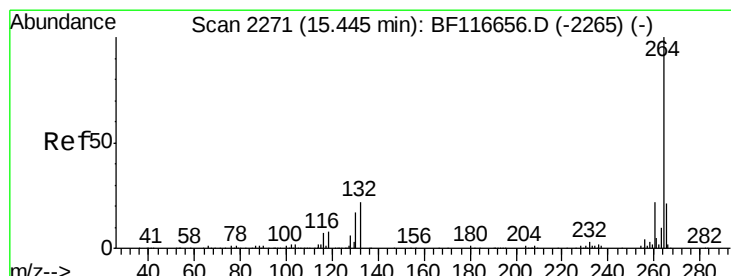
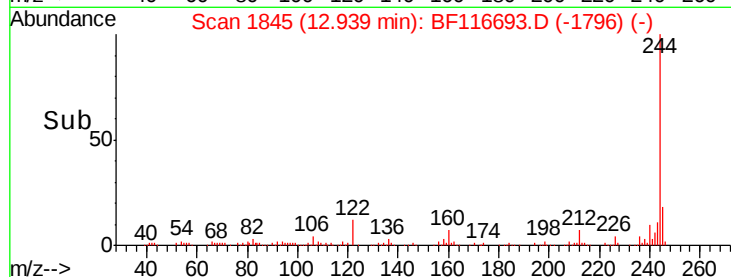
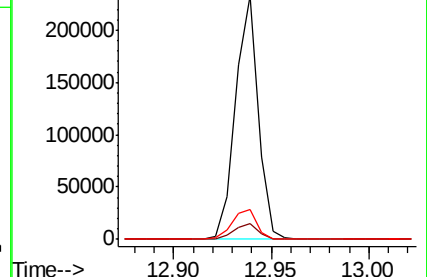
122 12.5 10.2 15.4



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: BF116693.D

Acq: 31 Aug 2019 12:29

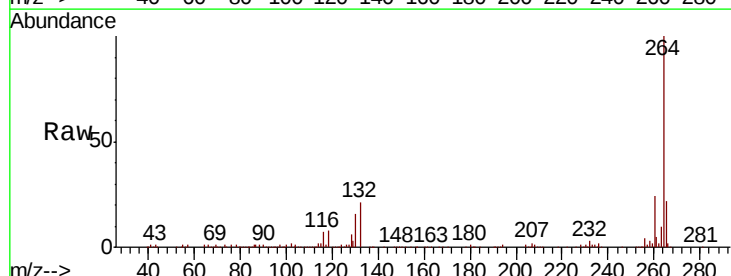
Tgt Ion:264 Resp: 254918

Ion Ratio Lower Upper

264 100

260 24.2 18.3 27.5

265 21.8 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

