

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116280.D
 Acq On : 15 Aug 2019 15:41
 Operator : HP/JU
 Sample : K4340-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 03:08:37 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

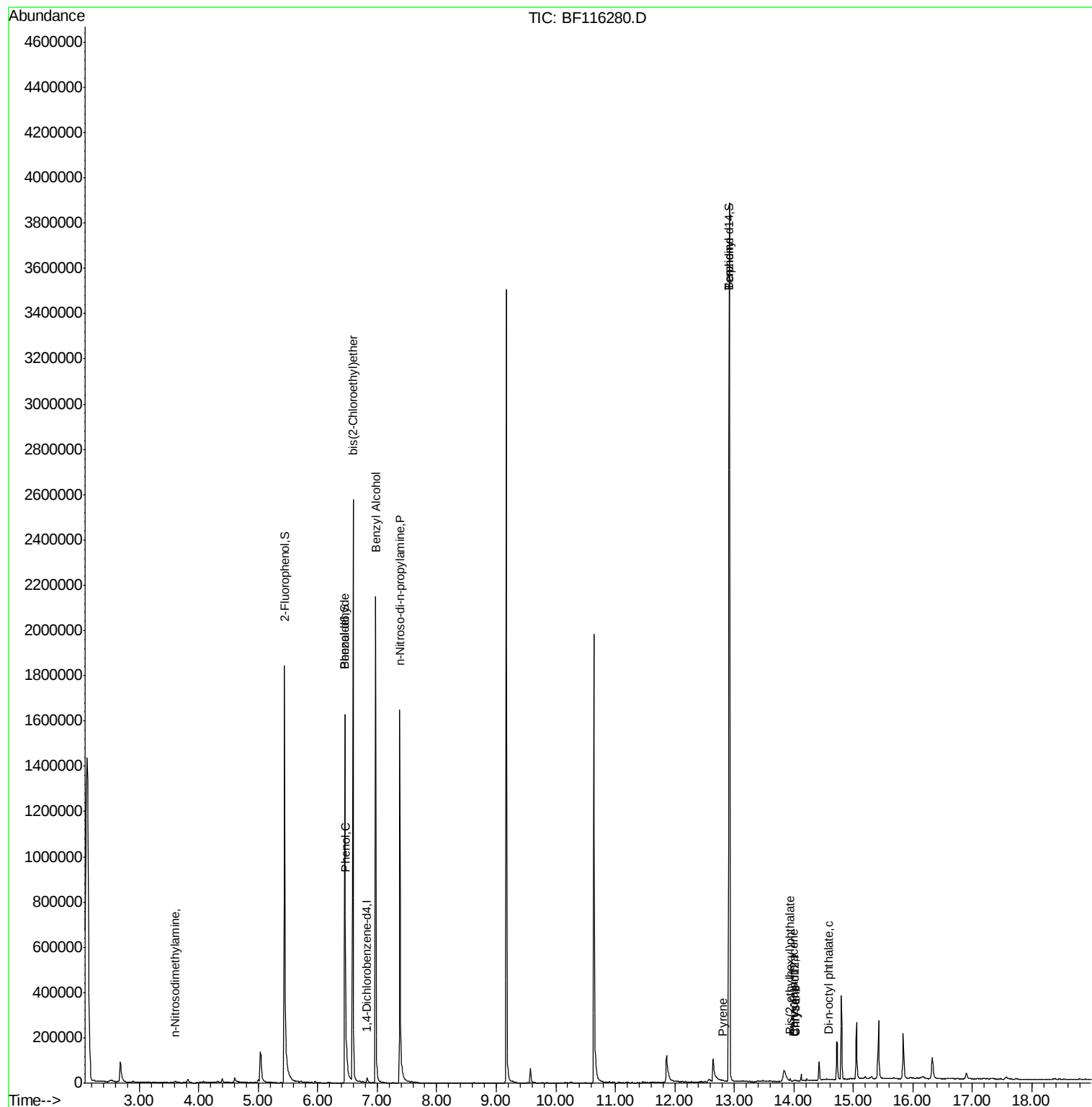
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	5403	20.00	ng	-0.02
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.13
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.89
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.37
76) Chrysene-d12	14.01	240	1840	20.00	ng	0.00
87) Perylene-d12	0.00	264	0	0.00	ng	-15.47
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	679609	2105.70	ng	-0.03
7) Phenol-d6	6.46	99	790449	1941.16	ng	-0.03
23) Nitrobenzene-d5	7.38	82	611052	0.00	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	282772	0.00	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1076467	0.00	ng	-0.04
79) Terphenyl-d14	12.92	244	1453546	16645.99	ng	-0.04
Target Compounds						
4) n-Nitrosodimethylamine	3.61	42	584	3.249	ng	# 1
9) Benzaldehyde	6.46	77	1331	4.737	ng	# 1
10) Phenol	6.47	94	7611	15.872	ng	# 6
11) bis(2-Chloroethyl)ether	6.59	93	1041	2.953	ng	# 1
15) Benzyl Alcohol	6.97	79	9549	30.900	ng	# 41
19) n-Nitroso-di-n-propylamine	7.38	70	79501	315.062	ng	# 78
77) Benzidine	12.92	184	19647	316.056	ng	# 93
78) Pyrene	12.80	202	813	5.861	ng	# 56
81) Benzo(a)anthracene	14.00	228	1138	9.676	ng	# 50
83) Chrysene	14.03	228	2414	21.143	ng	# 92
84) Bis(2-ethylhexyl)phthalate	13.94	149	2678	35.124	ng	# 96
85) Di-n-octyl phthalate	14.59	149	287	2.370	ng	# 77

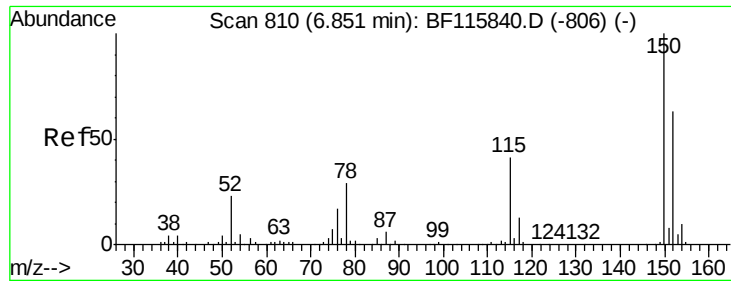
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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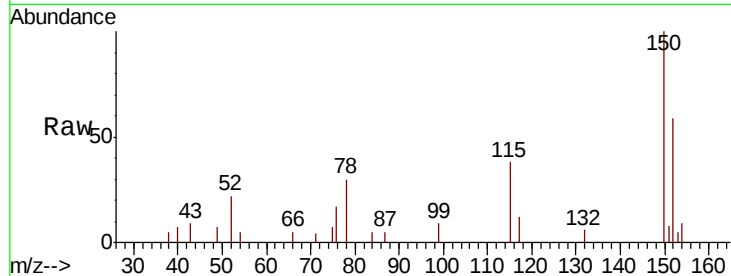


#1

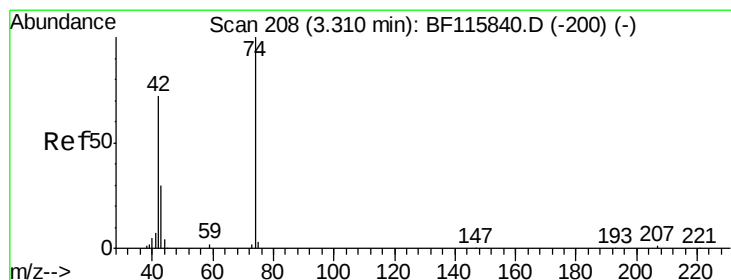
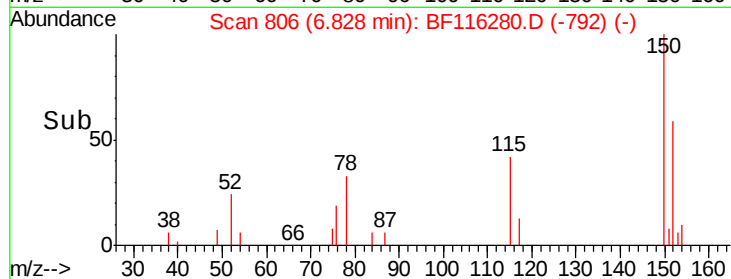
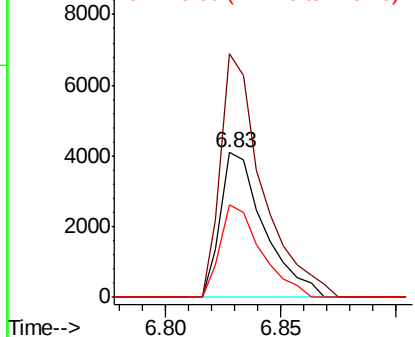
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 5403
 Ion Ratio Lower Upper
 152 100
 150 168.5 126.2 189.2
 115 63.8 49.9 74.9



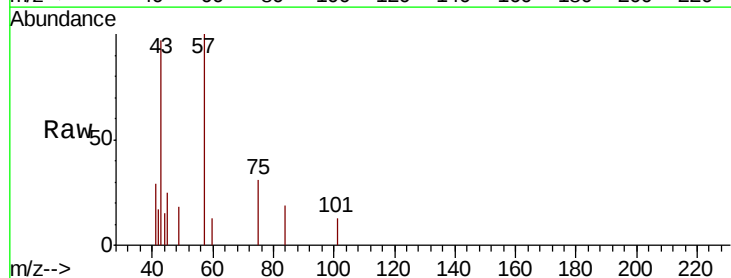
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



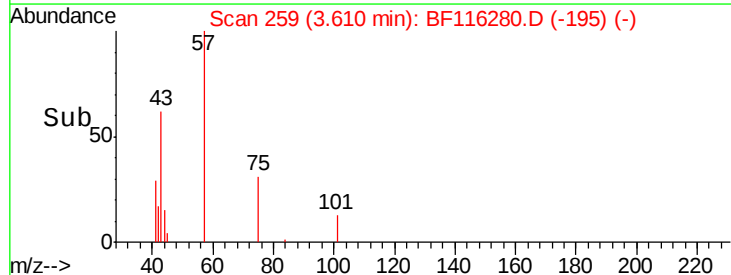
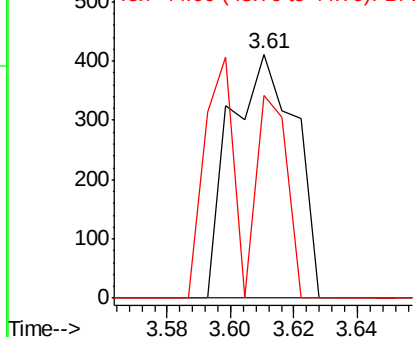
#4

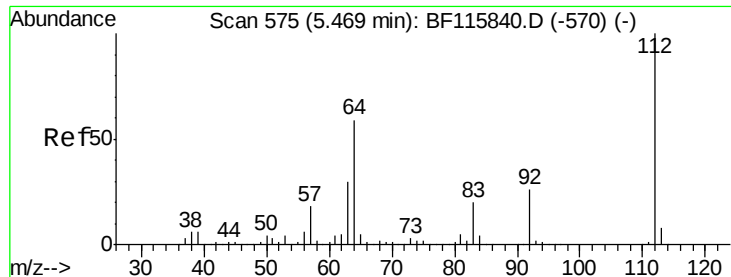
n-Nitrosodimethylamine
 Concen: 3.249 ng
 RT: 3.61 min Scan# 259
 Delta R.T. 0.28 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Tgt Ion: 42 Resp: 584
 Ion Ratio Lower Upper
 42 100
 74 0.0 116.0 174.0#
 44 83.0 4.6 7.0#



Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 2105.696 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.03 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

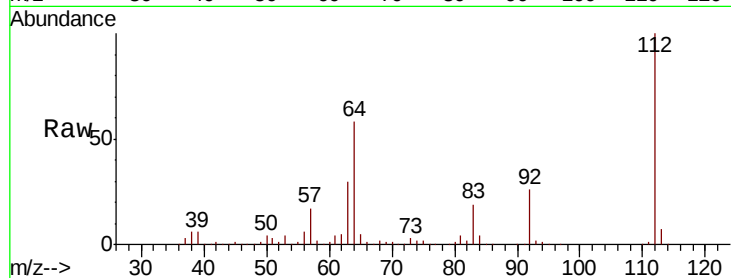
Tot Ion:112 Resp: 679609

Ion Ratio Lower Upper

112 100

64 58.0 45.4 68.2

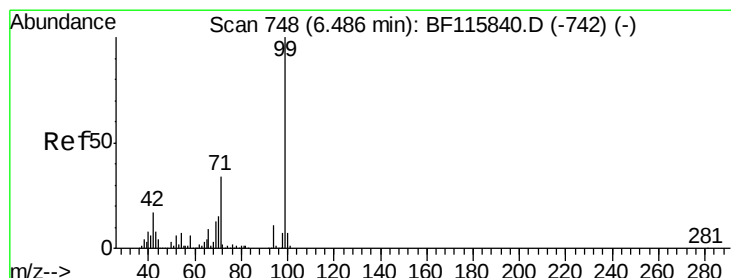
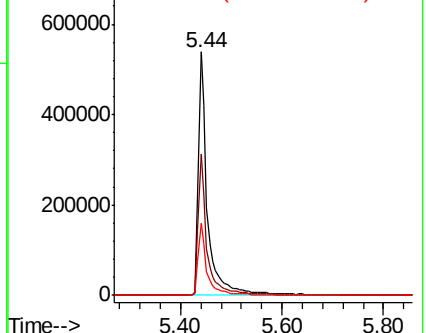
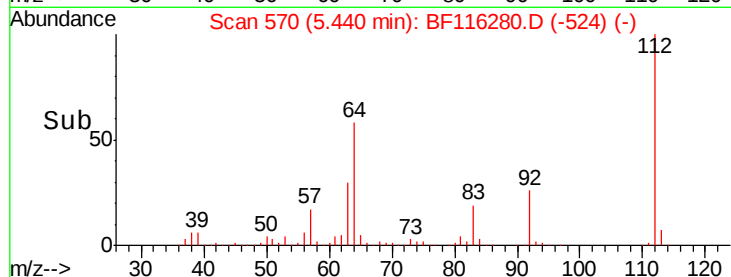
63 29.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 1941.165 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

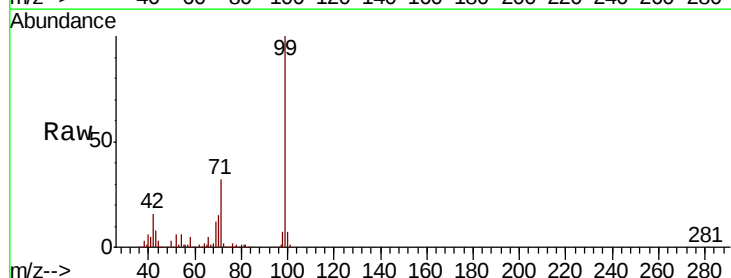
Tgt Ion: 99 Resp: 790449

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.8

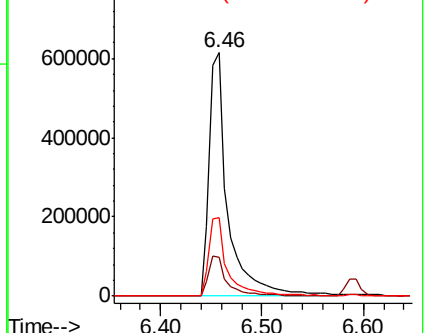
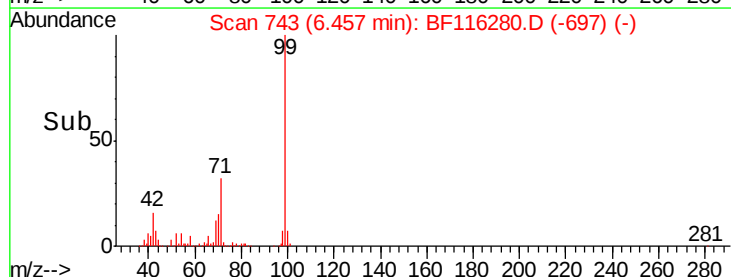
71 32.0 27.3 40.9

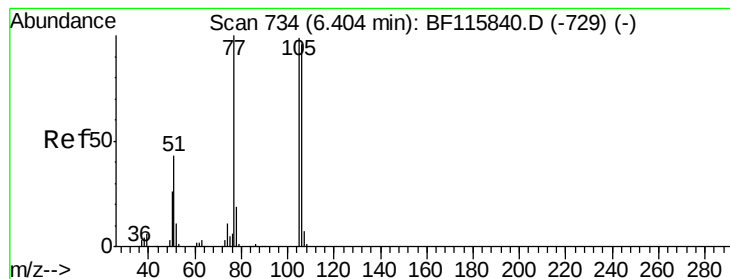


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 4.737 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.06 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

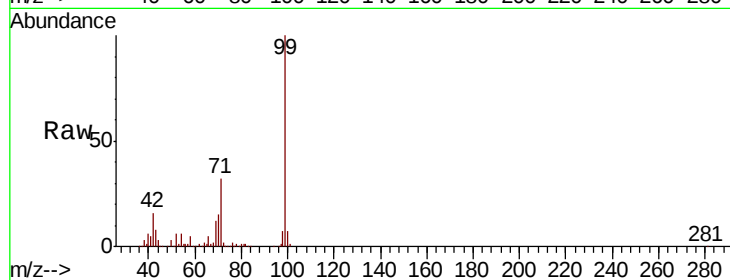
Tot Ion: 77 Resp: 1331

Ion Ratio Lower Upper

77 100

105 0.0 79.2 119.2#

106 0.0 74.3 114.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

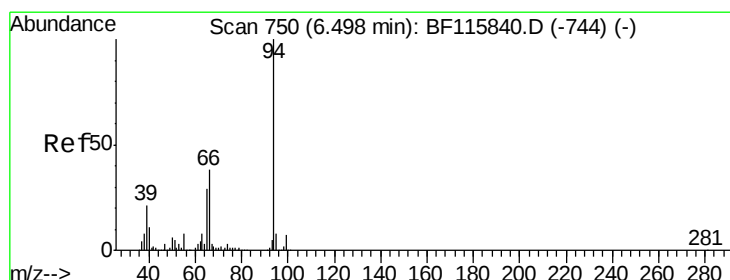
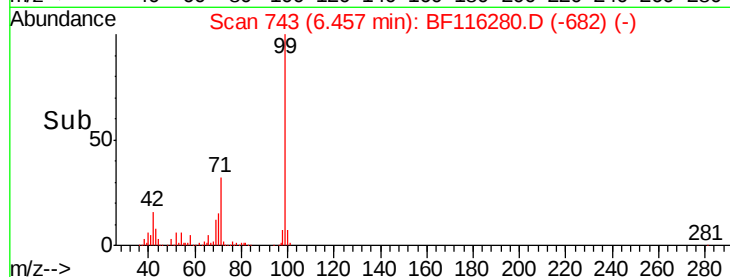
6.46

1000

500

0

Time-->



#10

Phenol

Concen: 15.872 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

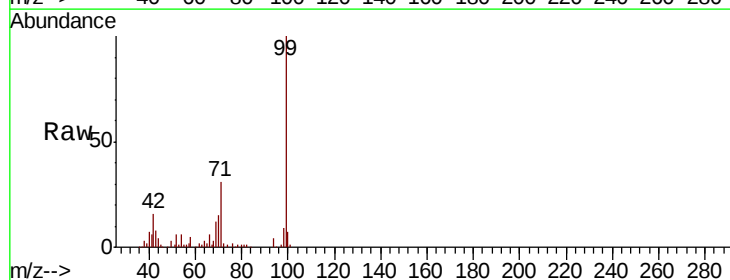
Tgt Ion: 94 Resp: 7611

Ion Ratio Lower Upper

94 100

65 50.9 16.8 56.8

66 156.1 34.2 74.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

6.47

40000

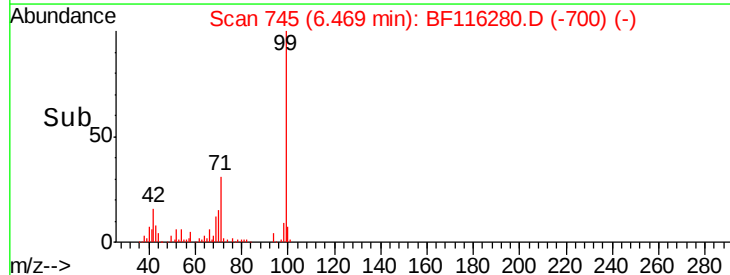
30000

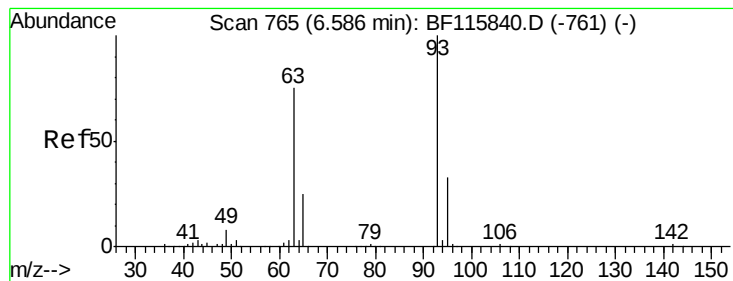
20000

10000

0

Time-->

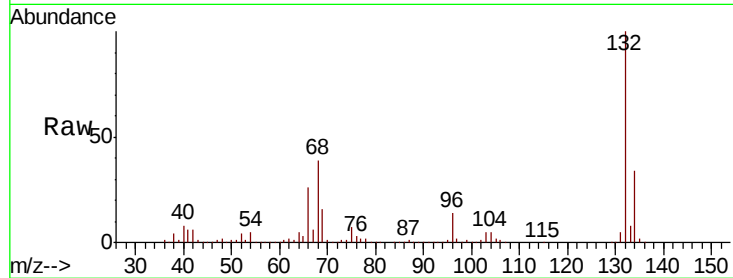




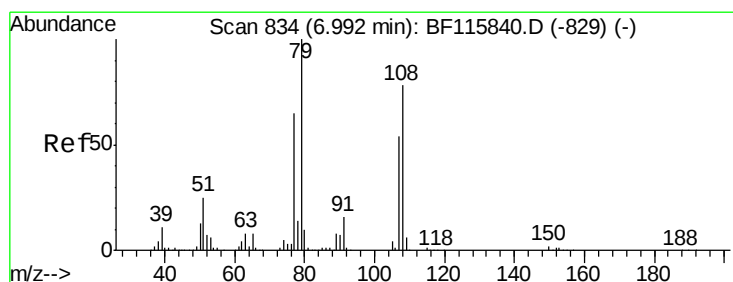
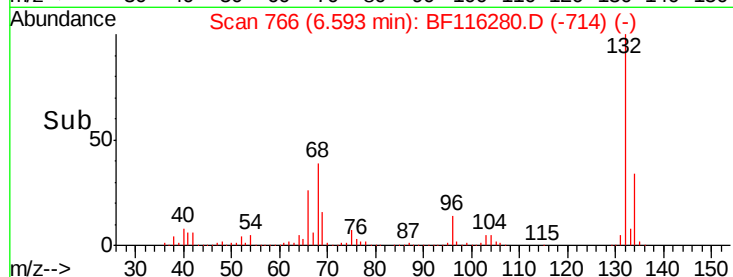
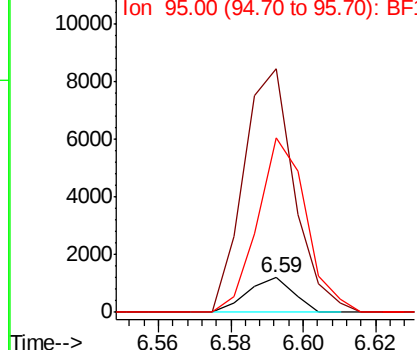
#11
bis(2-Chloroethyl)ether
Concen: 2.953 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF116280.D
Acq: 15 Aug 2019 15:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 1041
Ion Ratio Lower Upper
93 100
63 707.9 51.9 91.9#
95 508.0 13.0 53.0#

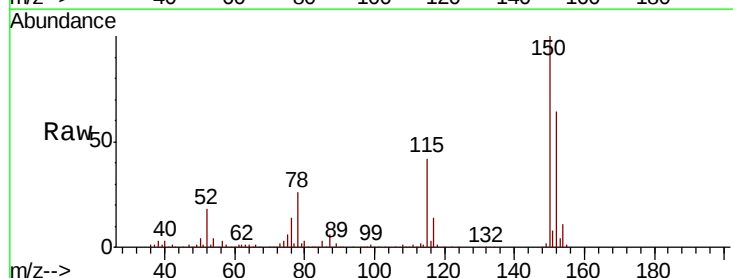


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

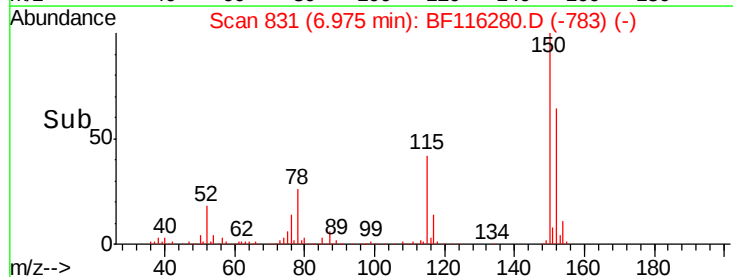
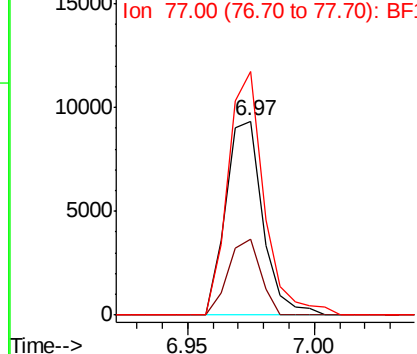


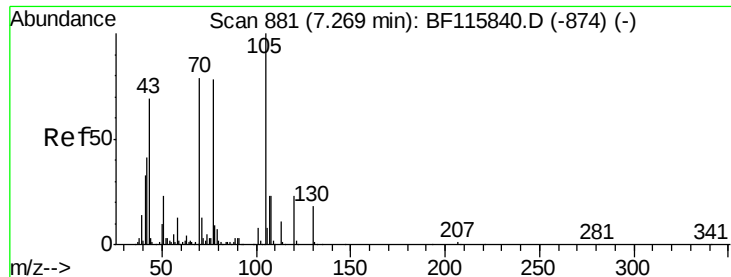
#15
Benzyl Alcohol
Concen: 30.900 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF116280.D
Acq: 15 Aug 2019 15:41

Tgt Ion: 79 Resp: 9549
Ion Ratio Lower Upper
79 100
108 39.0 62.7 94.1#
77 125.4 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

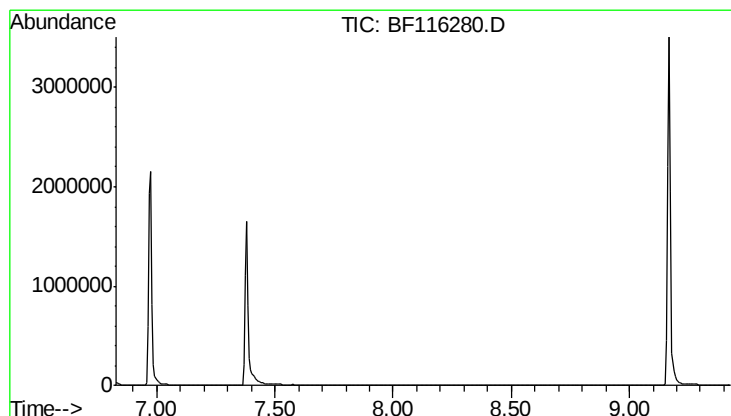
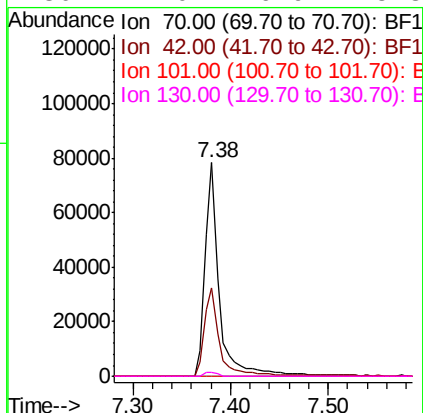
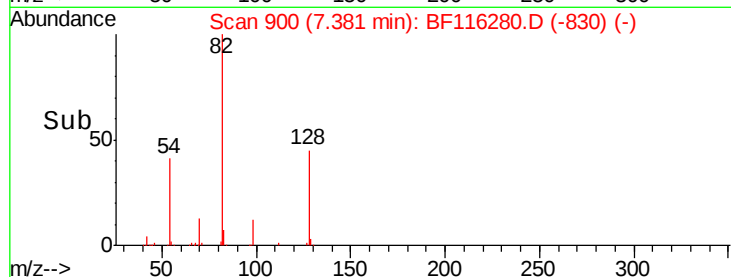
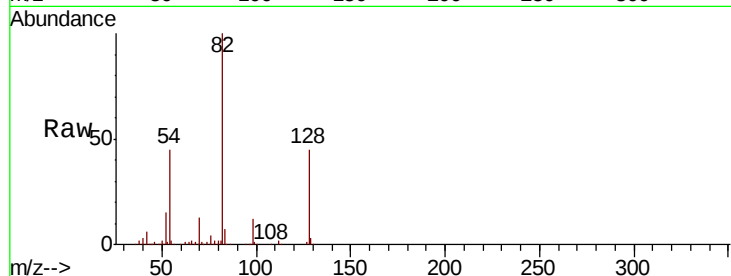




#19
n-Nitroso-di-n-propylamine
Concen: 315.062 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.11 min
Lab File: BF116280.D
Acq: 15 Aug 2019 15:41

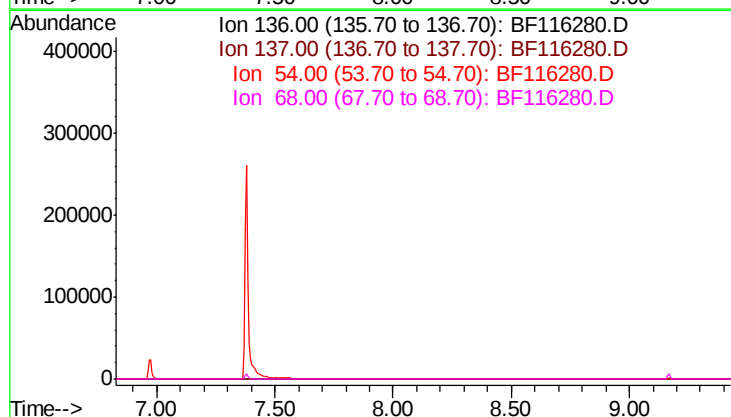
Instrument :
BNA_F
ClientSampleId :

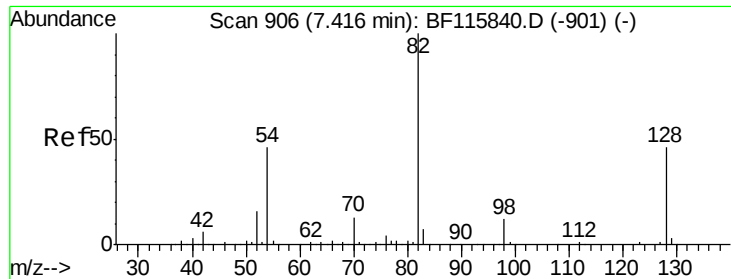
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	41.6	40.9	61.3	
101	0.0	7.9	11.9	#
130	2.0	16.9	25.3	#



#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.13 min
Lab File: BF116280.D
Acq: 15 Aug 2019 15:41

Tgt Ion	Sig	Exp Ratio
136	100	
137	11.2	
54	7.2	
68	6.5	

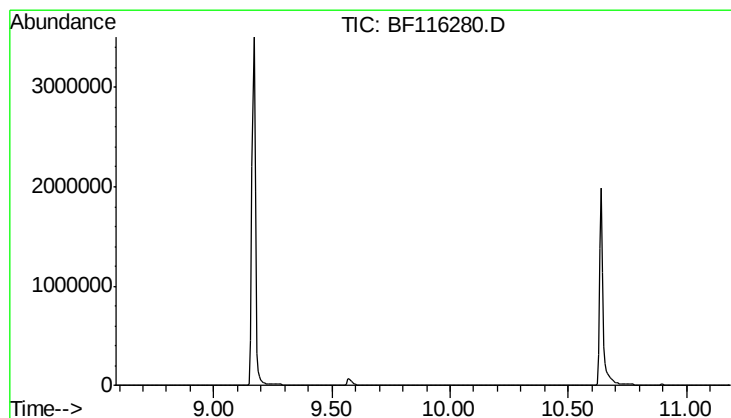
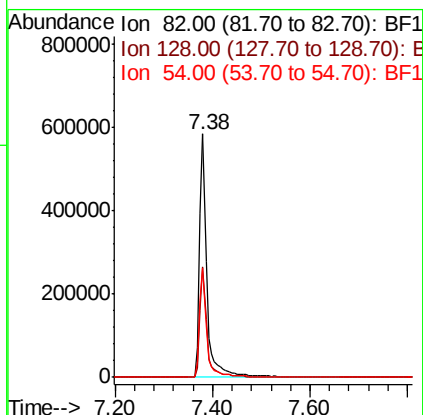
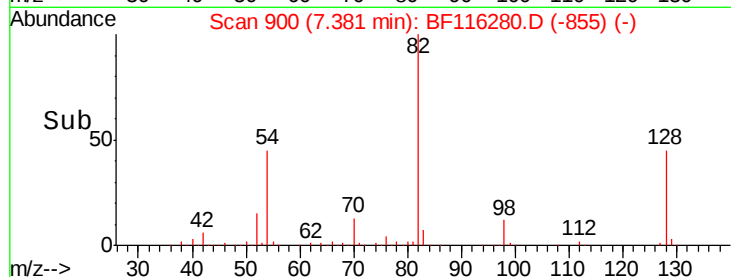
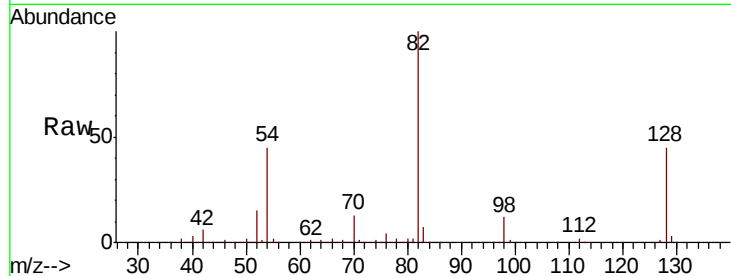




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116280.D
Acq: 15 Aug 2019 15:41

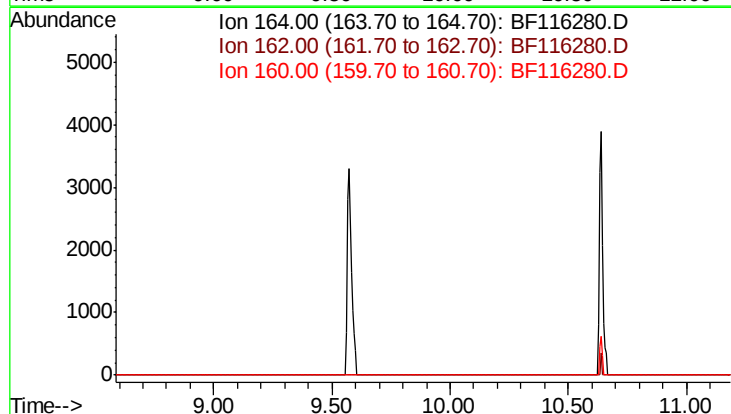
Instrument :
BNA_F
ClientSampleId :

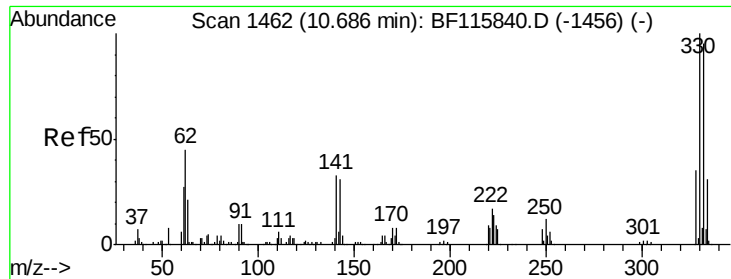
Tot Ion: 82 Resp: 611052
Ion Ratio Lower Upper
82 100
128 45.3 36.5 54.7
54 44.6 36.0 54.0



#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 9.89 min
Lab File: BF116280.D
Acq: 15 Aug 2019 15:41

Tgt Ion: 164
Sig Exp Ratio
164 100
162 103.3
160 47.0

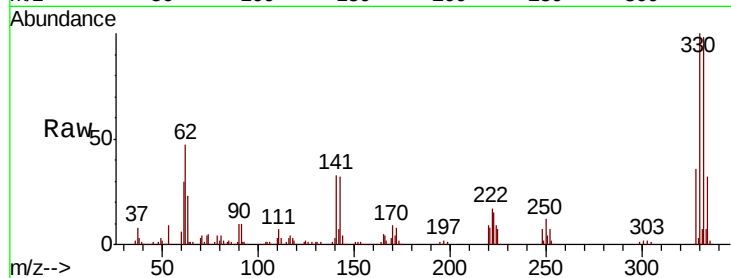




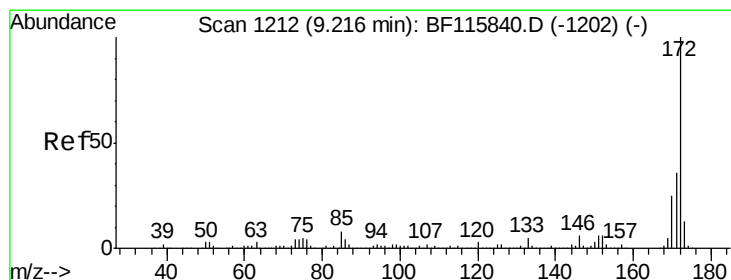
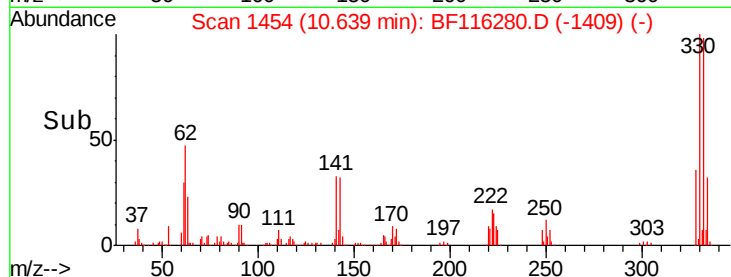
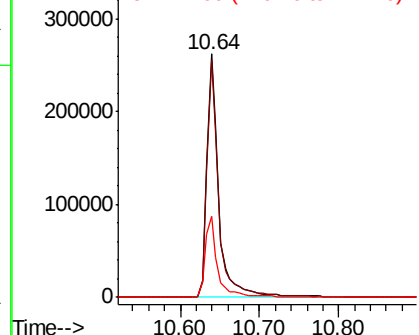
#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 282772
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.8 115.2
 141 34.7 26.3 39.5

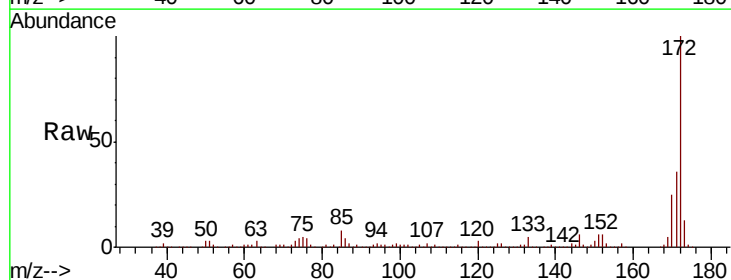


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

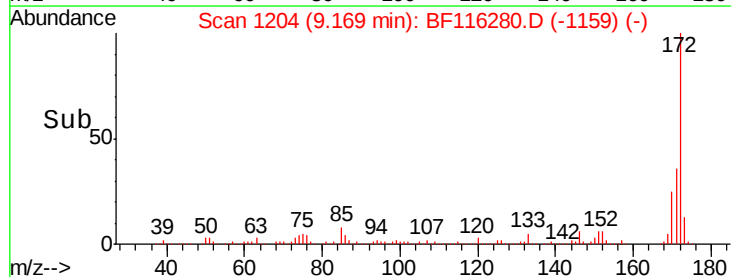
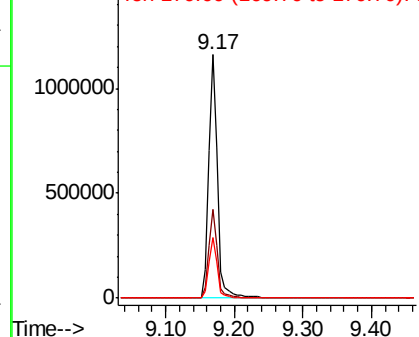


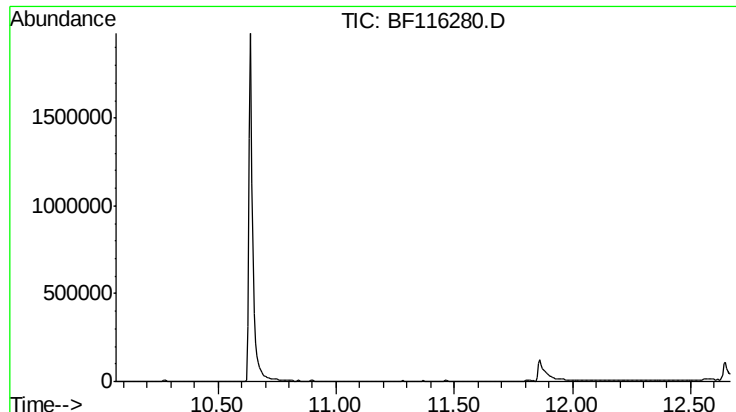
#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Tgt Ion:172 Resp: 1076467
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.7 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

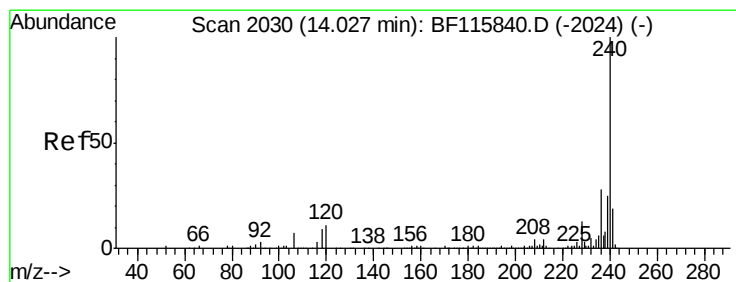
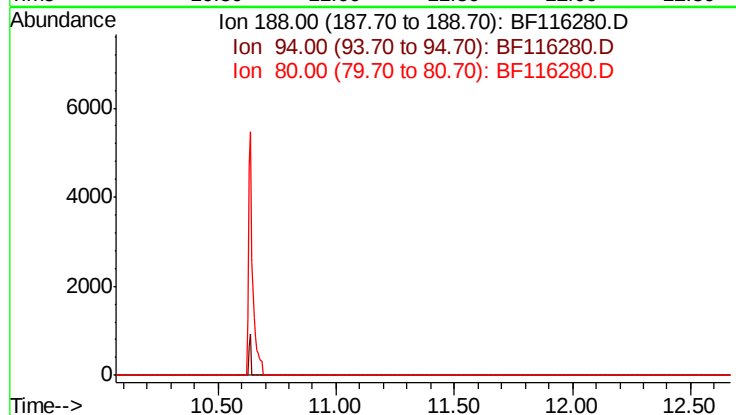




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.37 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

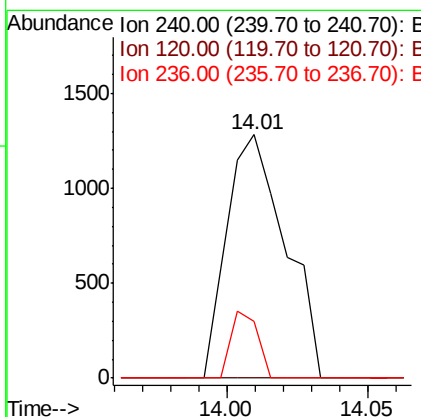
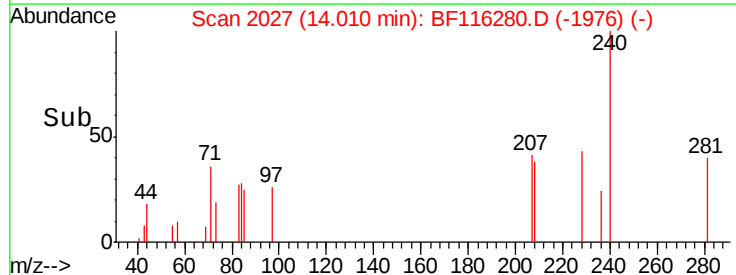
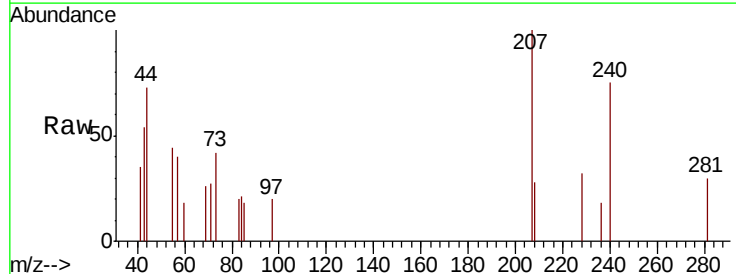
Instrument :
 BNA_F
 ClientSampleId :

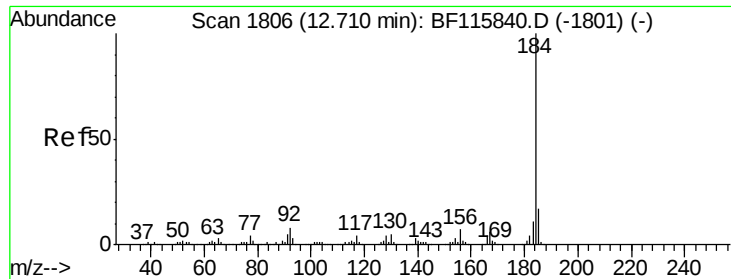
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 10.1
 80 10.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Tgt Ion: 240 Resp: 1840
 Ion Ratio Lower Upper
 240 100
 120 0.0 10.7 16.1#
 236 23.5 22.2 33.2





#77

Benzidine

Concen: 316.056 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.22 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

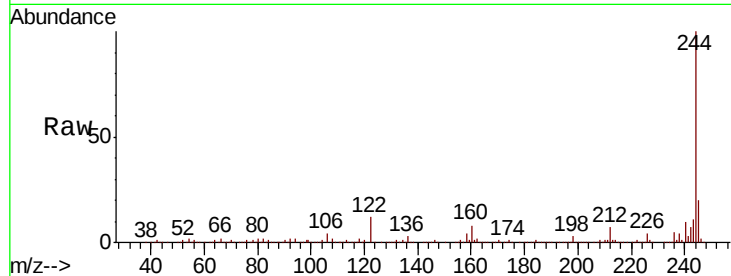
Tot Ion:184 Resp: 19647

Ion Ratio Lower Upper

184 100

185 17.7 12.8 19.2

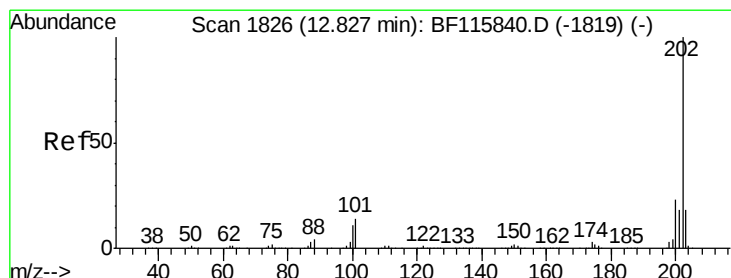
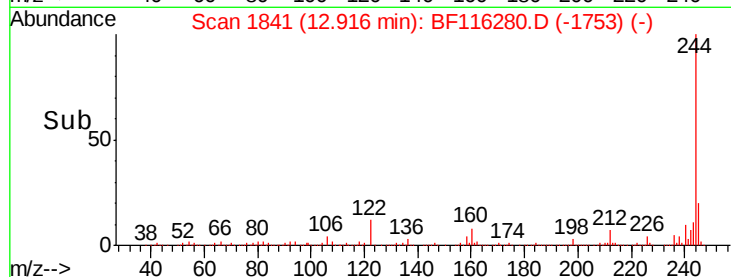
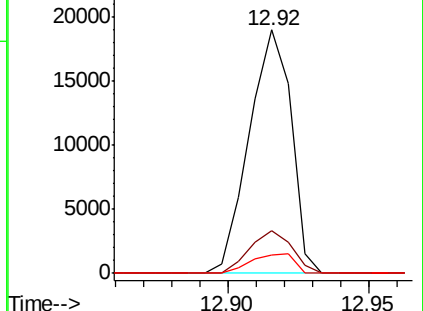
183 7.7 9.4 14.0#



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



#78

Pyrene

Concen: 5.861 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

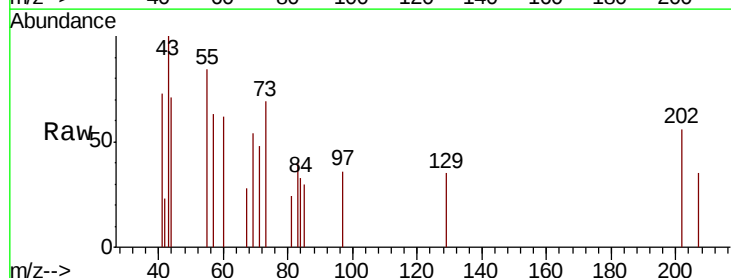
Tgt Ion:202 Resp: 813

Ion Ratio Lower Upper

202 100

200 0.0 18.0 27.0#

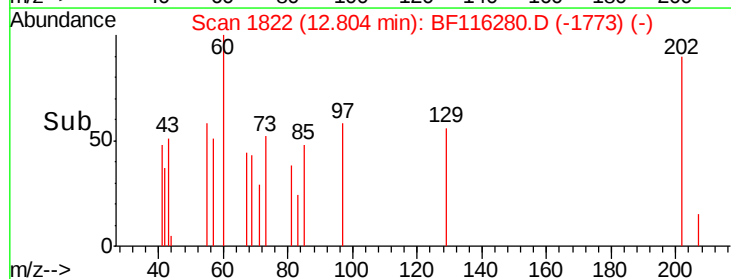
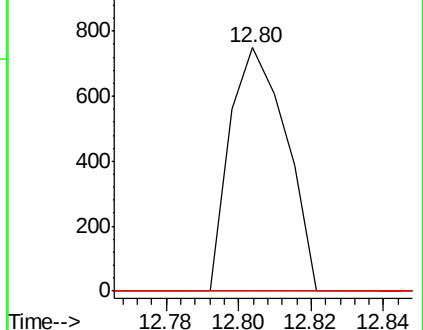
203 0.0 14.1 21.1#

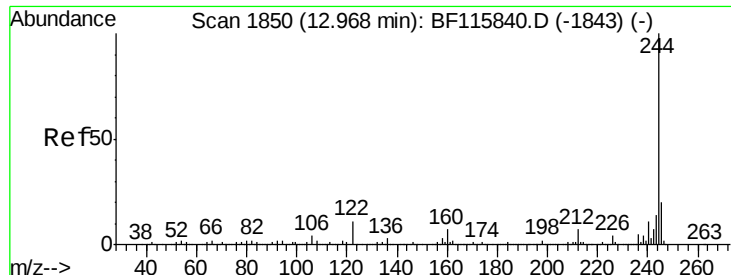


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

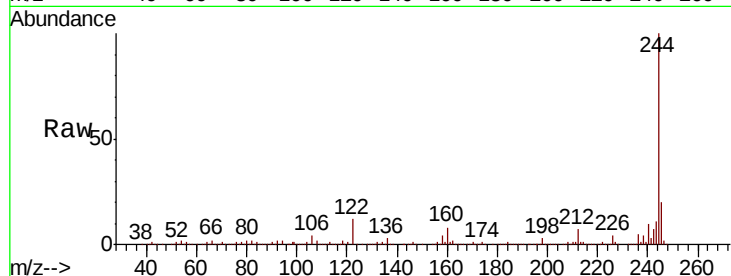




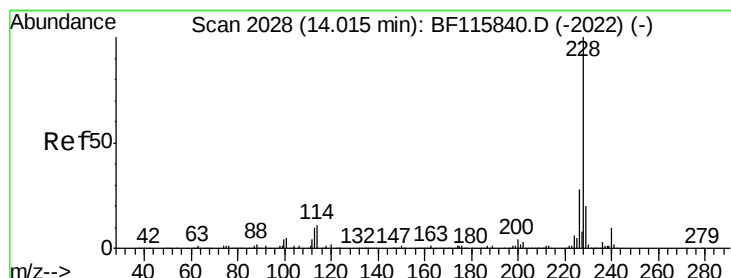
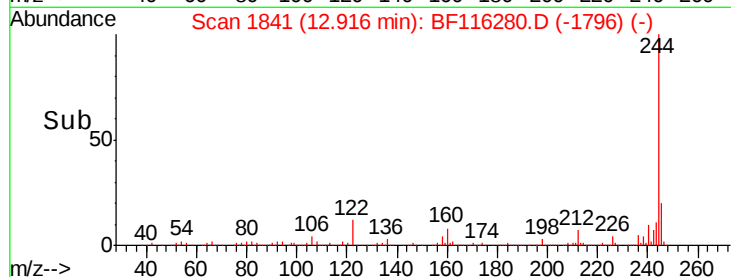
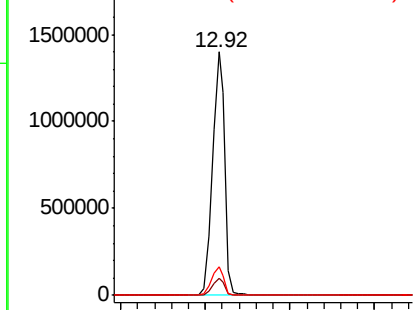
#79
 Terphenyl-d14
 Concen: 16645.987 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1453546
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.9 9.0 13.4

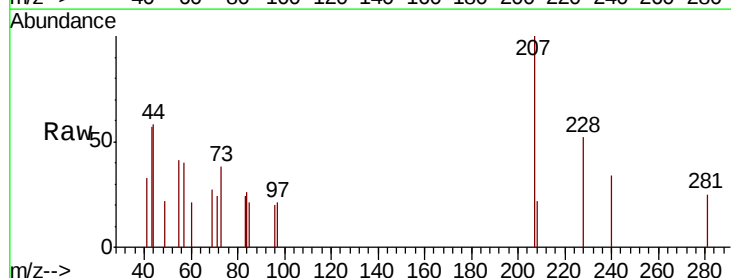


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

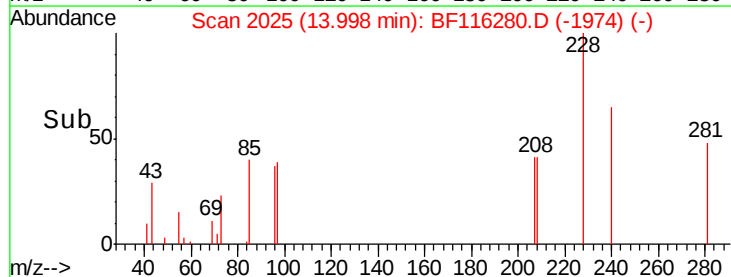
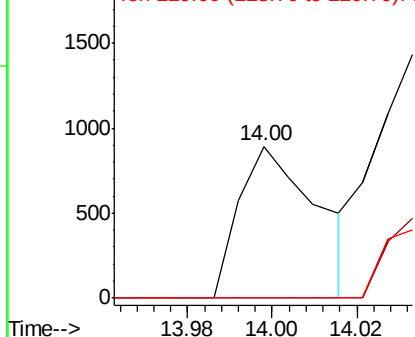


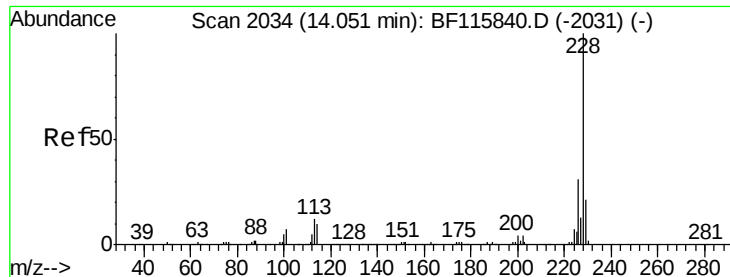
#81
 Benzo(a)anthracene
 Concen: 9.676 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Tgt Ion:228 Resp: 1138
 Ion Ratio Lower Upper
 228 100
 226 0.0 22.7 34.1#
 229 0.0 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

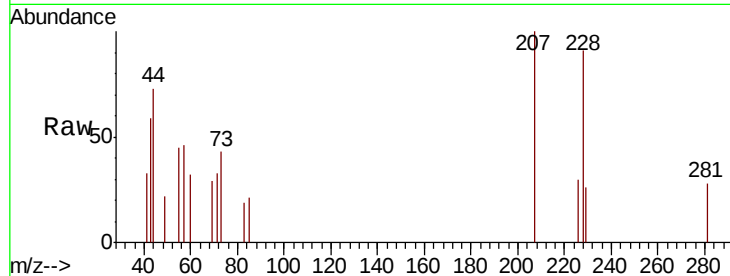




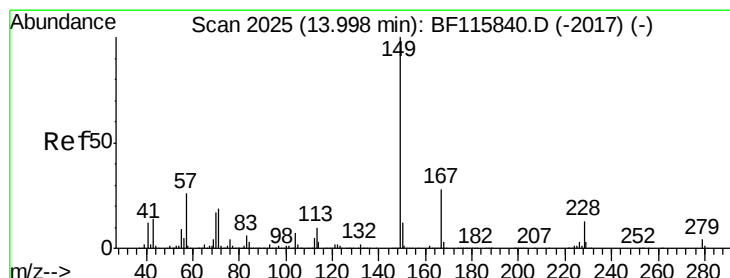
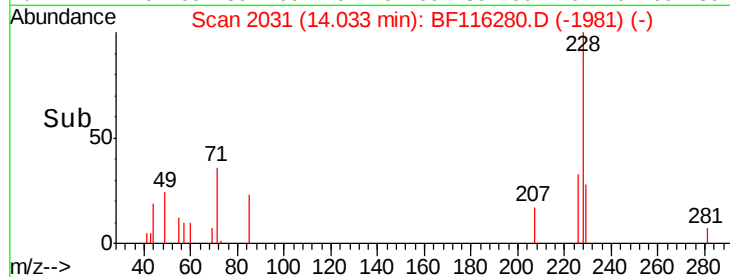
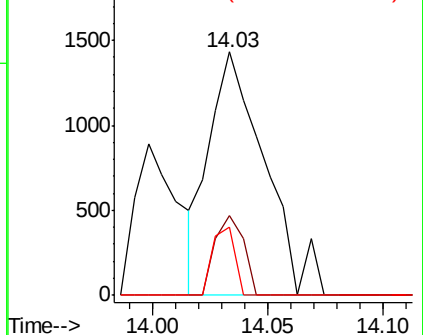
#83
 Chrvsene
 Concen: 21.143 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 2414
 Ion Ratio Lower Upper
 228 100
 226 33.0 25.5 38.3
 229 28.3 16.6 24.8#

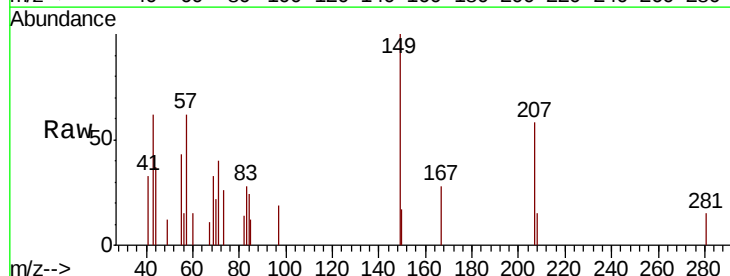


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

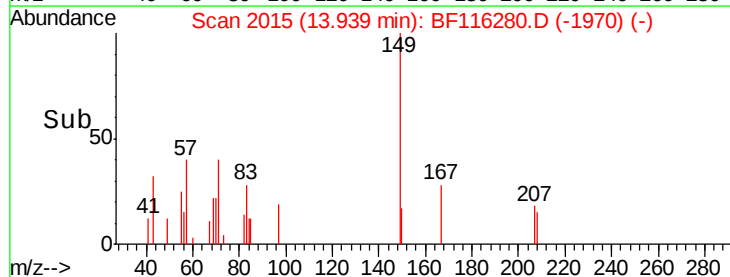
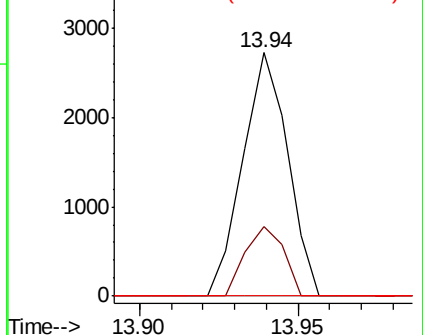


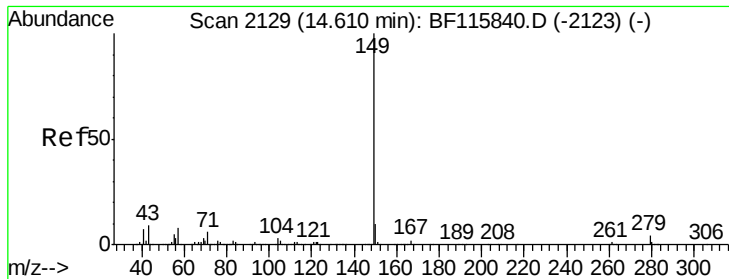
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 35.124 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.04 min
 Lab File: BF116280.D
 Acq: 15 Aug 2019 15:41

Tgt Ion:149 Resp: 2678
 Ion Ratio Lower Upper
 149 100
 167 28.4 21.6 32.4
 279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 2.370 ng

RT: 14.59 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

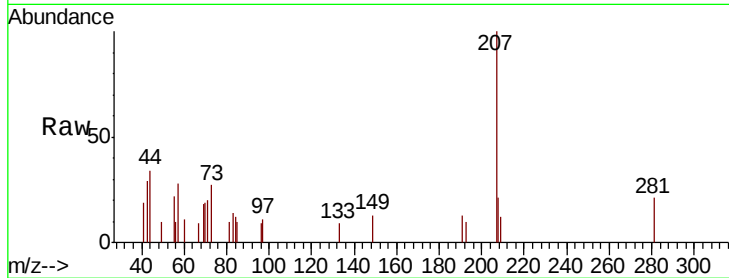
Tot Ion:149 Resp: 287

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

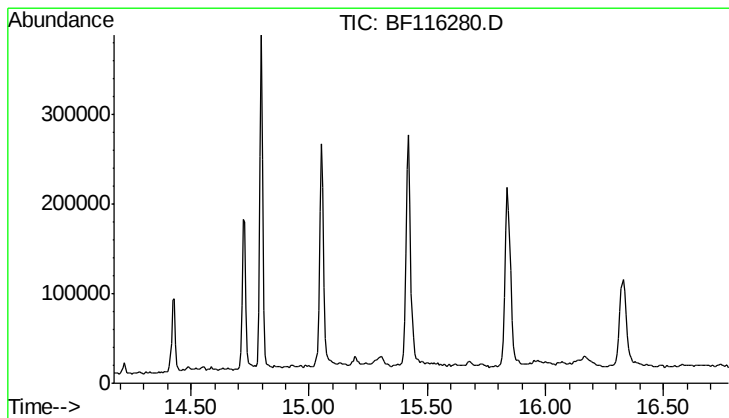
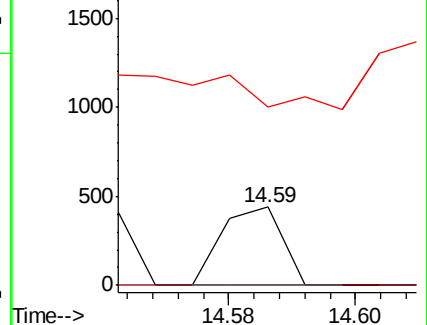
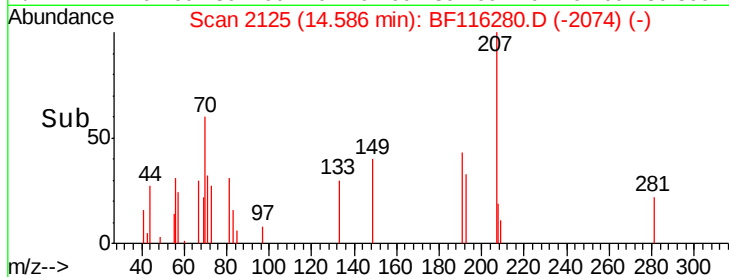
43 0.0 7.5 11.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#87

Perylene-d12

Concen: 0.000 ng

Expected RT: 15.47 min

Lab File: BF116280.D

Acq: 15 Aug 2019 15:41

Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.6

265 21.7

