

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116128.D
 Acq On : 9 Aug 2019 22:28
 Operator : HP/JU
 Sample : K3613-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:37:07 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

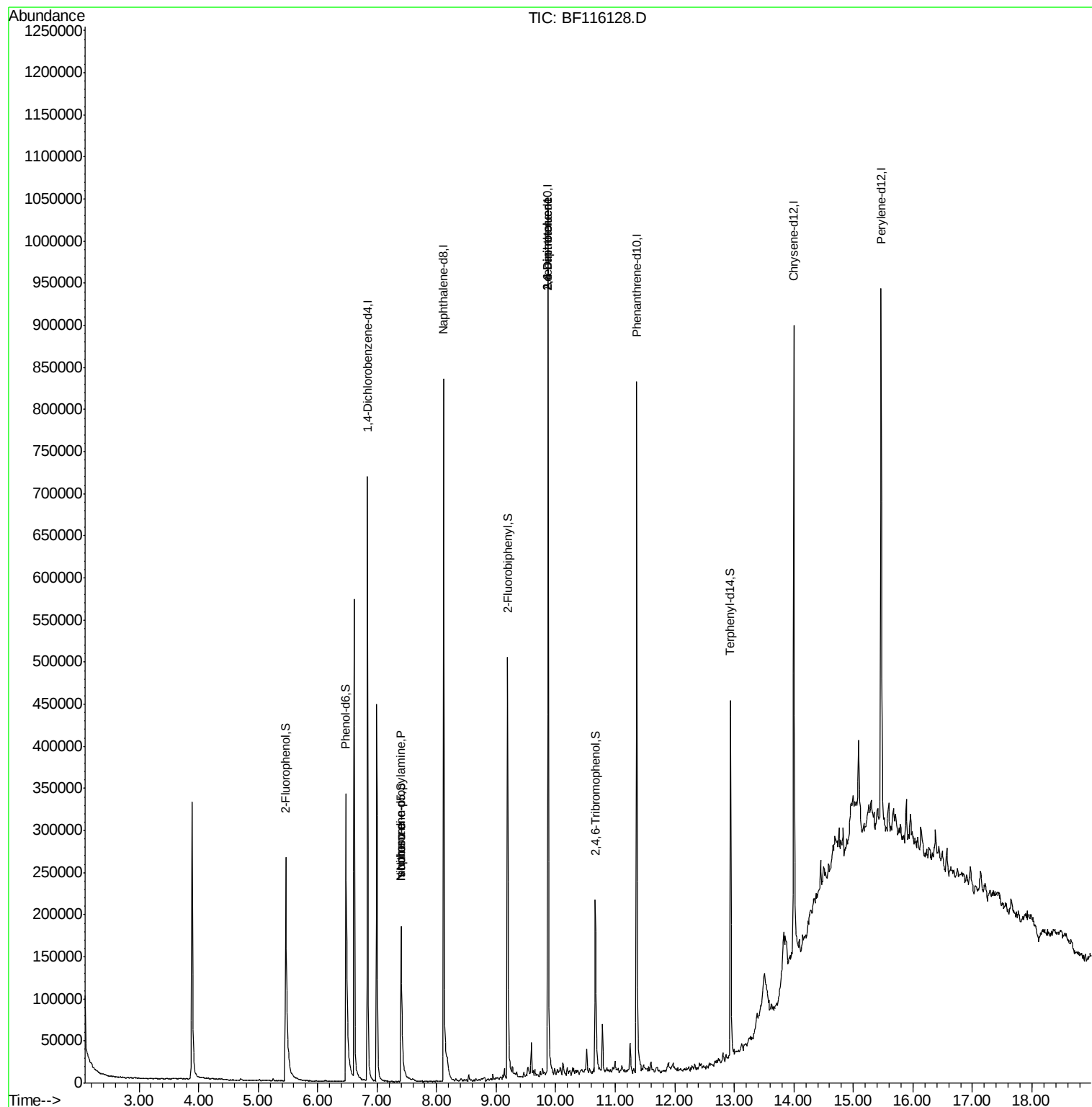
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	118216	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	462490	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	220433	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	333414	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	270442	20.00	ng	-0.01
87) Perylene-d12	15.47	264	317376	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	148966	21.10	ng	0.00
7) Phenol-d6	6.47	99	199918	22.44	ng	-0.01
23) Nitrobenzene-d5	7.40	82	122593	15.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	34205	16.00	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	205066	17.42	ng	-0.01
79) Terphenyl-d14	12.94	244	159368	12.42	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	15543	2.815	ng	# 78
25) Isophorone	7.40	82	123254	8.045	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	28614	8.773	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	28975	6.672	ng	# 21

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

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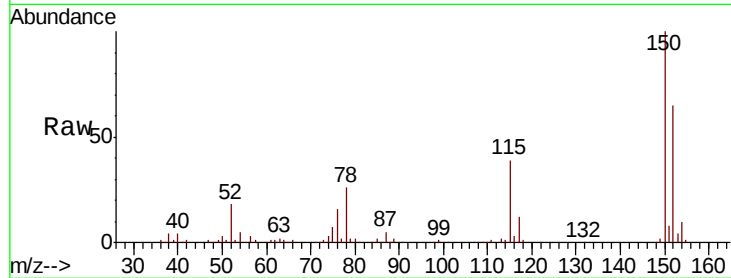


#1

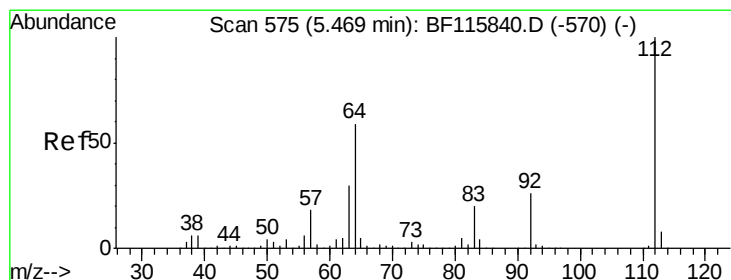
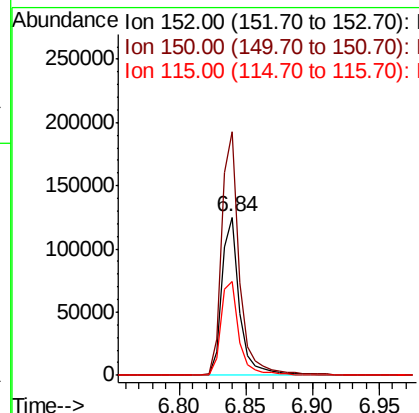
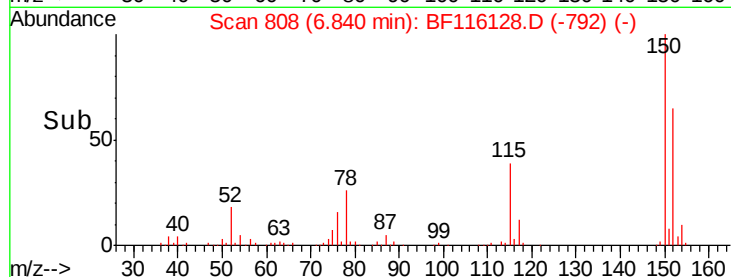
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116128.D
Acq: 9 Aug 2019 22:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 118216
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 59.6 49.9 74.9



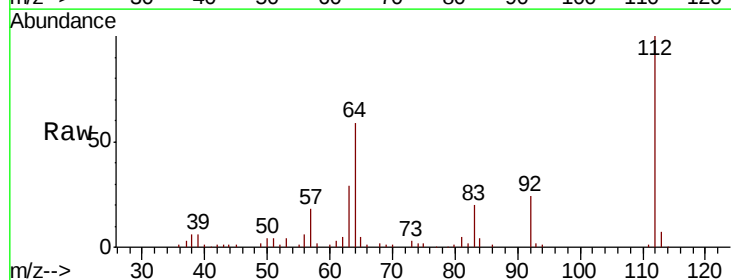
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



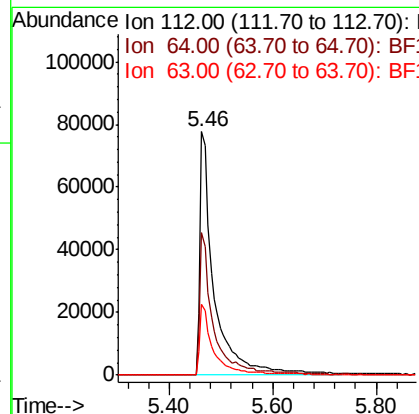
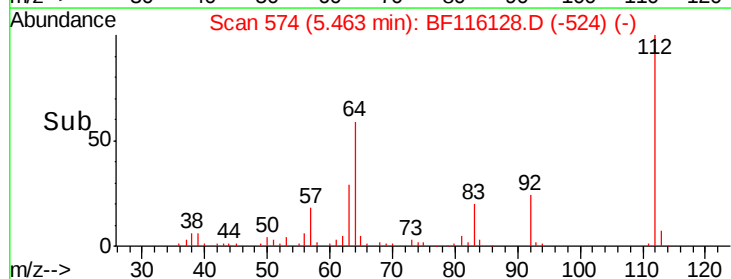
#5

2-Fluorophenol
Concen: 21.095 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116128.D
Acq: 9 Aug 2019 22:28

Tgt Ion:112 Resp: 148966
Ion Ratio Lower Upper
112 100
64 58.7 45.4 68.2
63 29.3 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: 22.439 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116128.D

Acq: 9 Aug 2019 22:28

Instrument :

BNA_F

ClientSampleId :

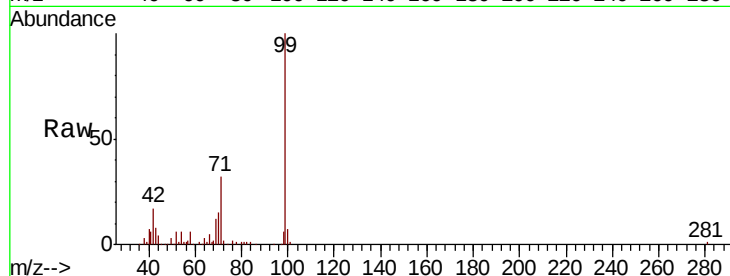
Tot Ion: 99 Resp: 199918

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.8

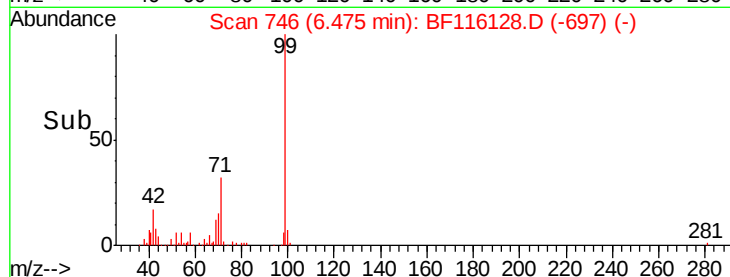
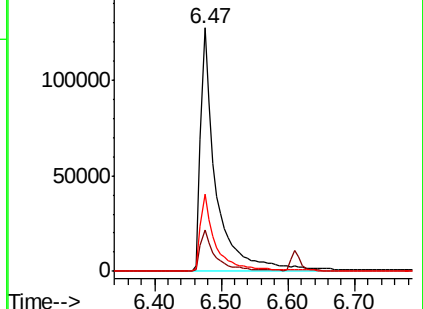
71 31.8 27.3 40.9



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: 2.815 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116128.D

Acq: 9 Aug 2019 22:28

Tgt Ion: 70 Resp: 15543

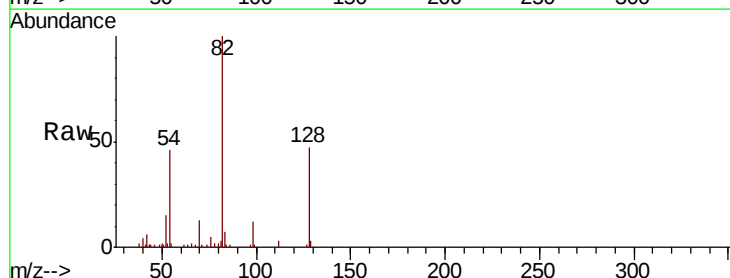
Ion Ratio Lower Upper

70 100

42 43.3 40.9 61.3

101 0.0 7.9 11.9#

130 0.0 16.9 25.3#

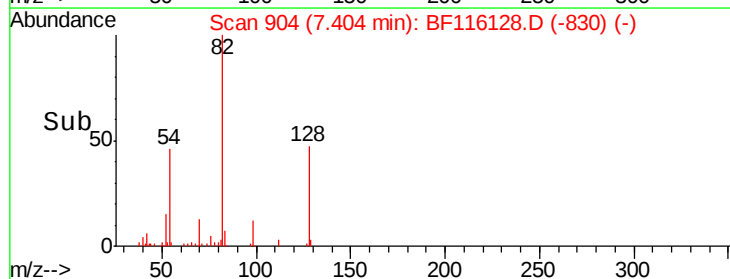
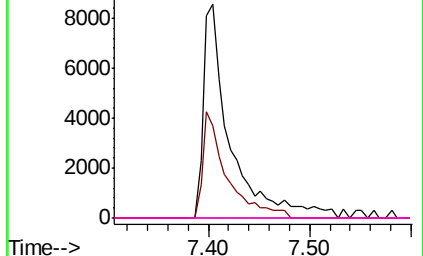


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116128.D

Acq: 9 Aug 2019 22:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 462490

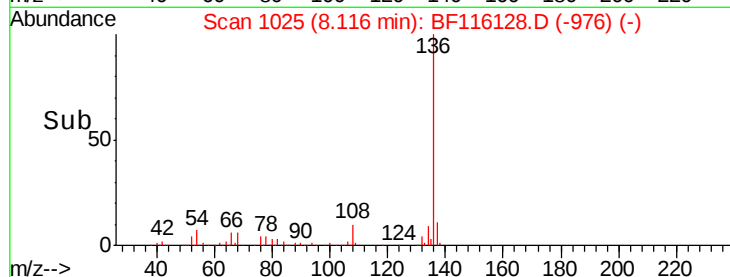
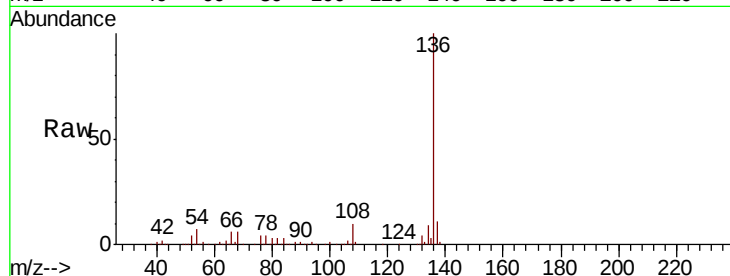
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.3 5.8 8.6

68 6.4 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

8.12

400000

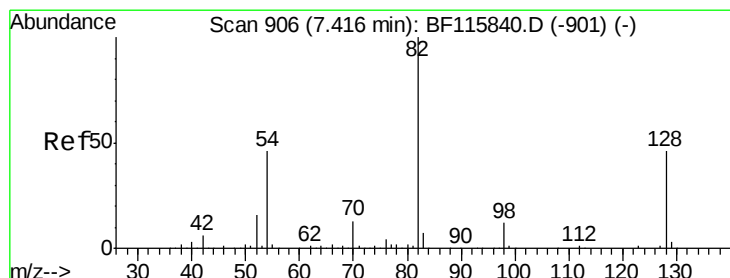
300000

200000

100000

0

Time--> 8.00 8.20 8.40



#23

Nitrobenzene-d5

Concen: 15.301 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116128.D

Acq: 9 Aug 2019 22:28

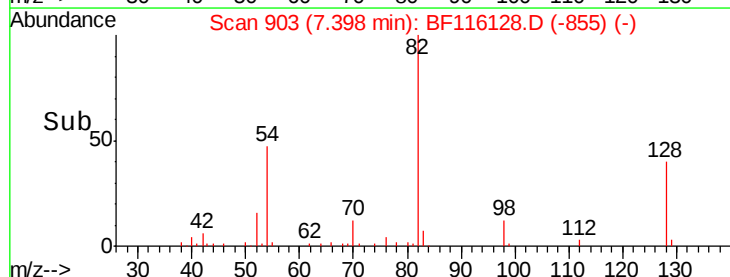
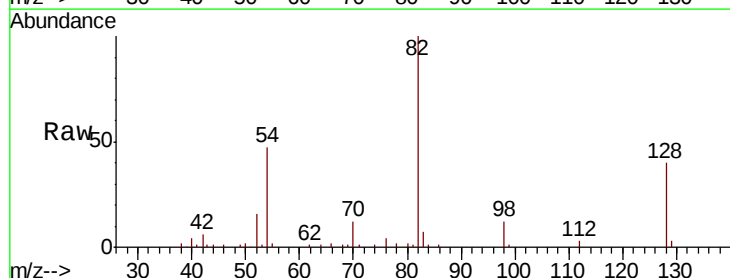
Tgt Ion: 82 Resp: 122593

Ion Ratio Lower Upper

82 100

128 39.6 36.5 54.7

54 47.2 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

7.40

80000

60000

40000

20000

0

Time--> 7.40 7.60



#25

Isophorone

Concen: 8.045 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116128.D

Acq: 9 Aug 2019 22:28

Instrument :

BNA_F

ClientSampled :

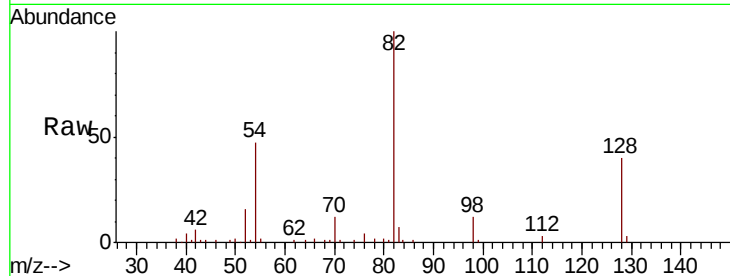
Tot Ion: 82 Resp: 123254

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

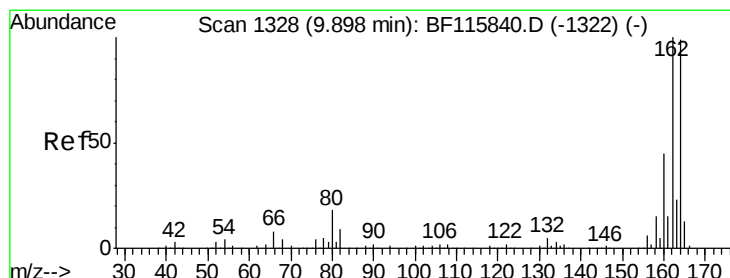
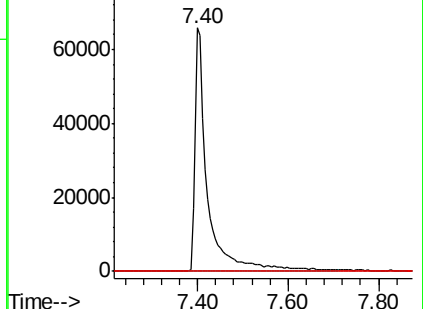
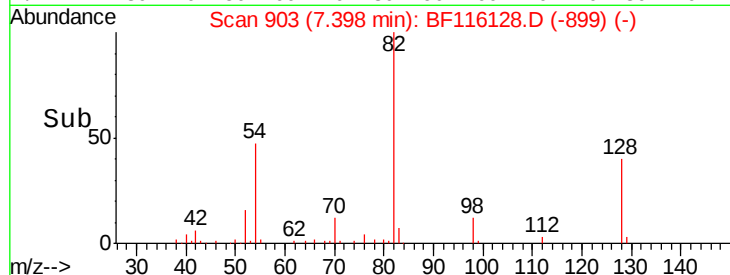
138 0.0 14.5 21.7#



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: BF116128.D

Acq: 9 Aug 2019 22:28

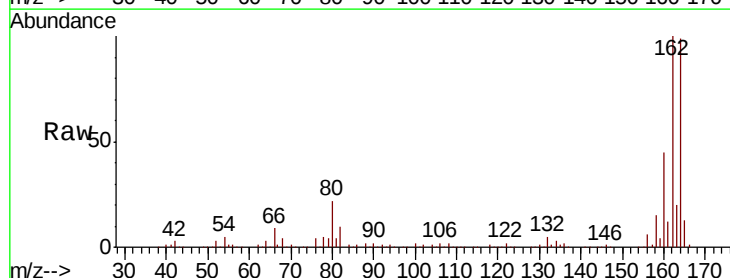
Tgt Ion:164 Resp: 220433

Ion Ratio Lower Upper

164 100

162 101.4 82.6 124.0

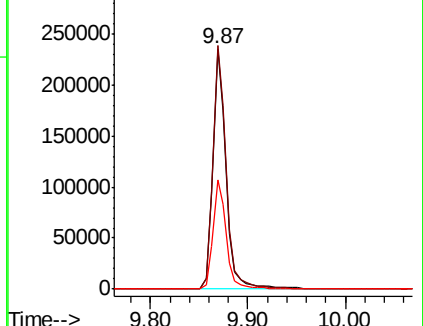
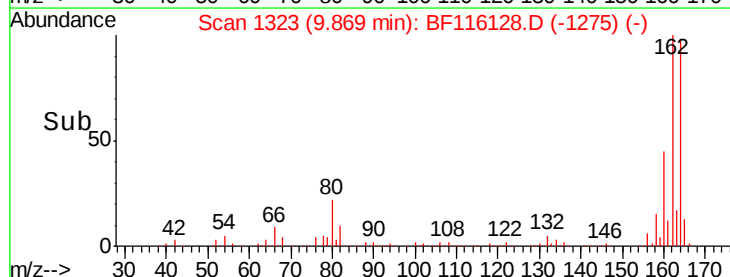
160 45.6 37.6 56.4



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: 16.005 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116128.D

Acq: 9 Aug 2019 22:28

Instrument :

BNA_F

ClientSampleId :

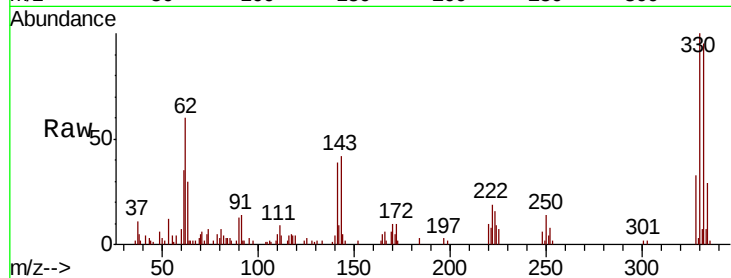
Tot Ion:330 Resp: 34205

Ion Ratio Lower Upper

330 100

332 96.8 76.8 115.2

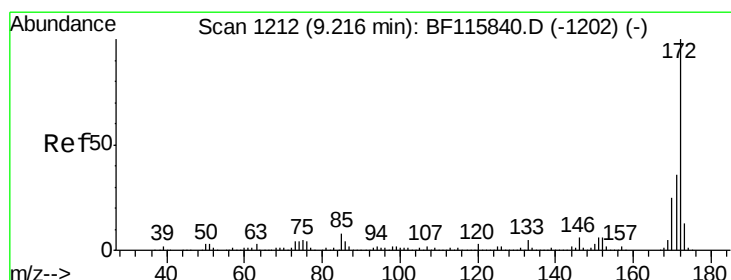
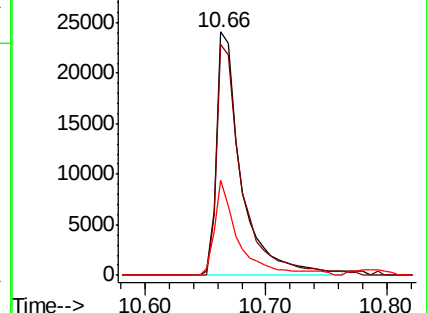
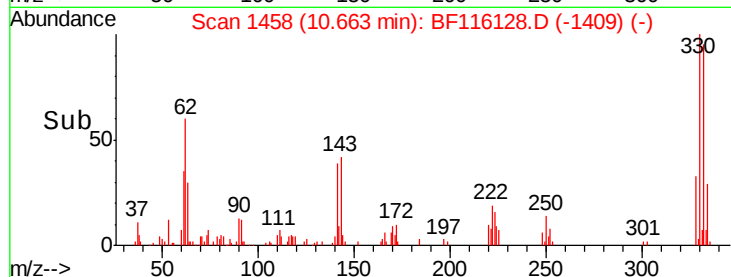
141 37.4 26.3 39.5



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: 17.425 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116128.D

Acq: 9 Aug 2019 22:28

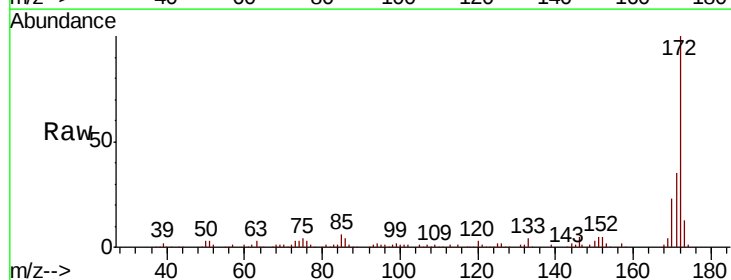
Tgt Ion:172 Resp: 205066

Ion Ratio Lower Upper

172 100

171 35.2 29.6 44.4

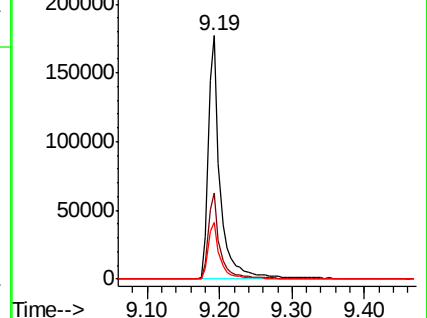
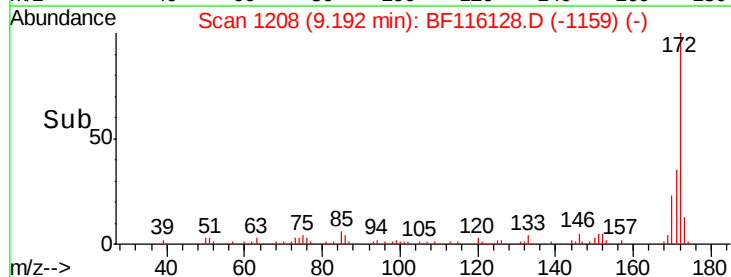
170 23.4 20.1 30.1

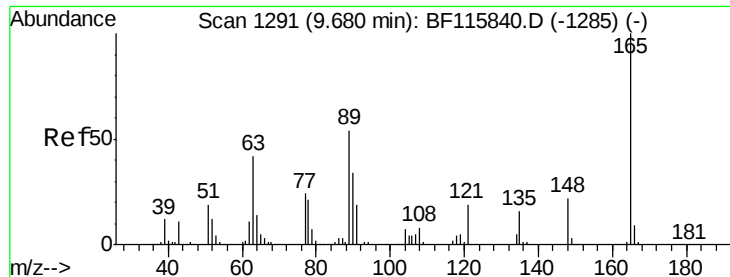


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

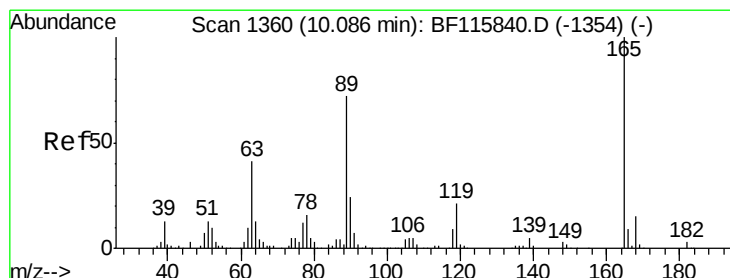
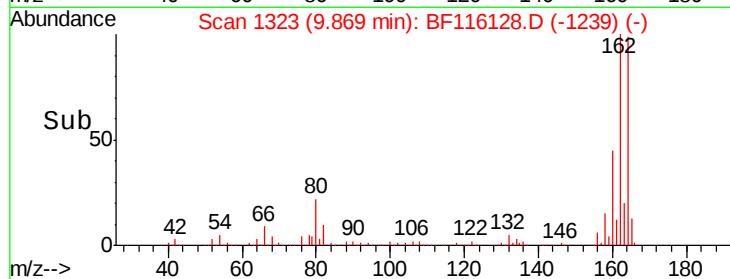
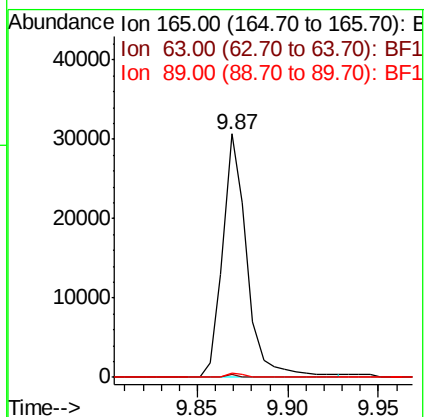
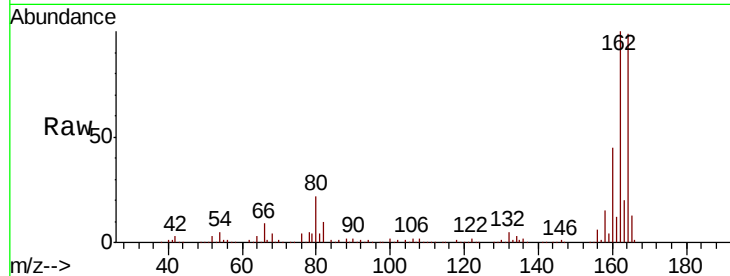




#51
 2,6-Dinitrotoluene
 Concen: 8.773 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116128.D
 Acq: 9 Aug 2019 22:28

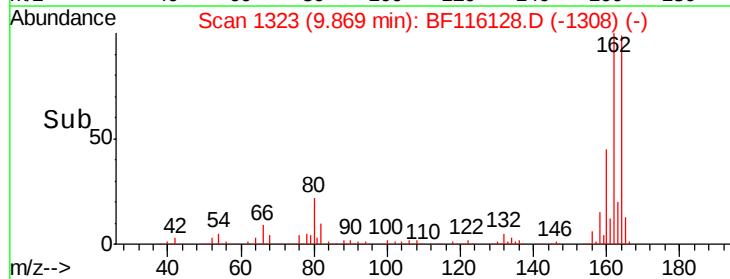
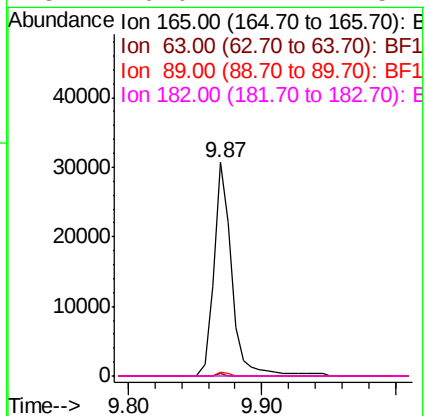
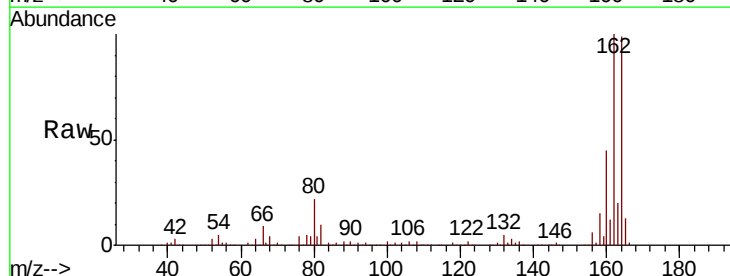
Instrument :
 BNA_F
 ClientSampleId :

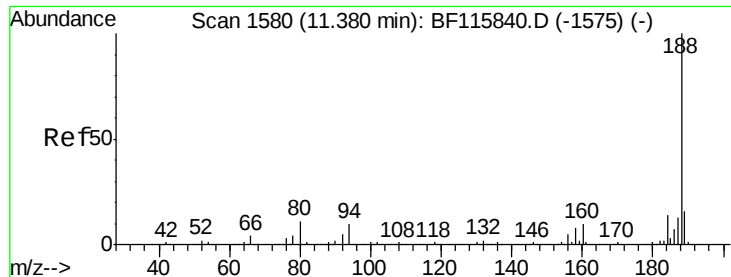
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.8	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.672 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116128.D
 Acq: 9 Aug 2019 22:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.8	62.2	93.2#
182	0.0	2.1	3.1#

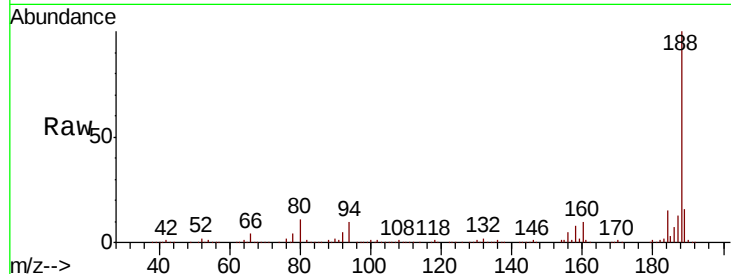




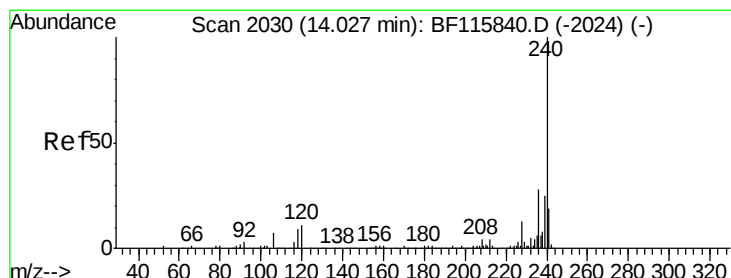
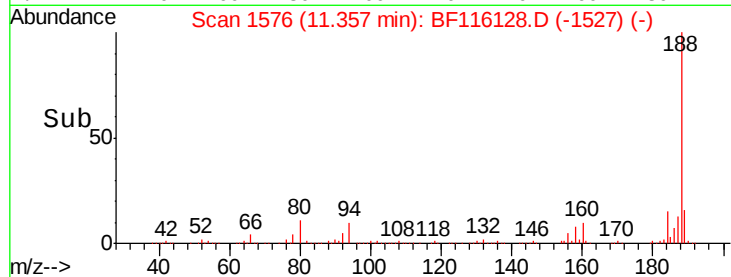
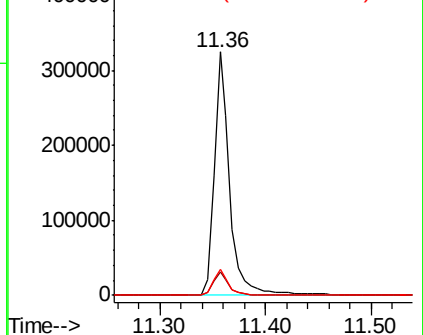
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116128.D
Acq: 9 Aug 2019 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 333414
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.6 8.7 13.1

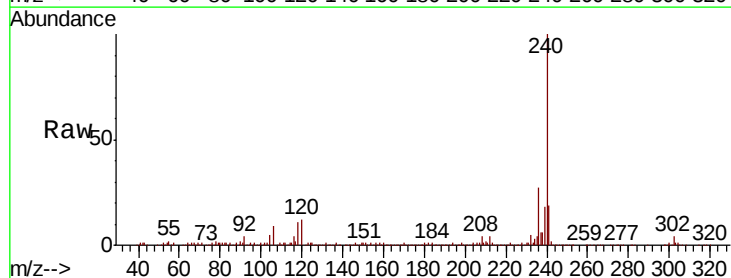


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

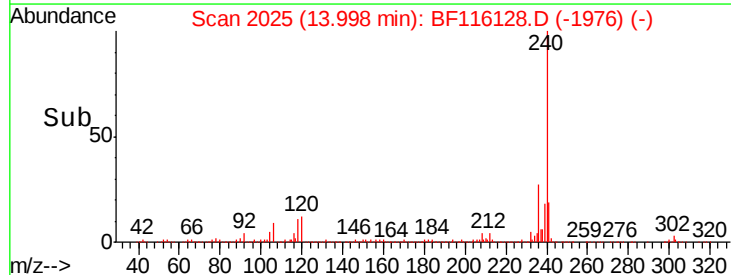
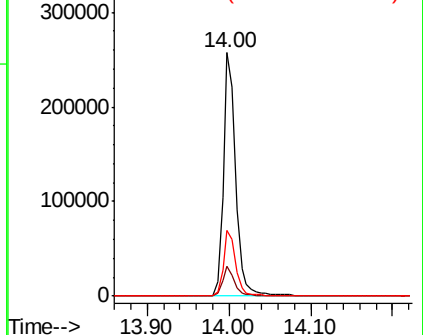


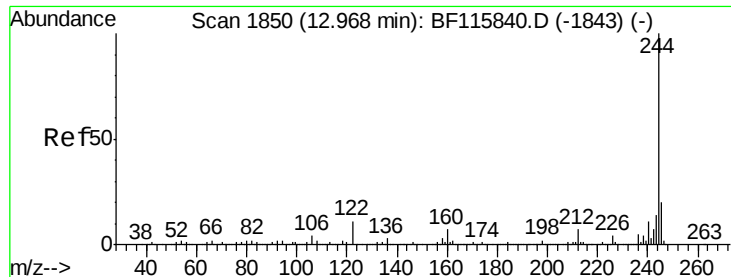
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116128.D
Acq: 9 Aug 2019 22:28

Tgt Ion:240 Resp: 270442
Ion Ratio Lower Upper
240 100
120 12.3 10.7 16.1
236 26.8 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

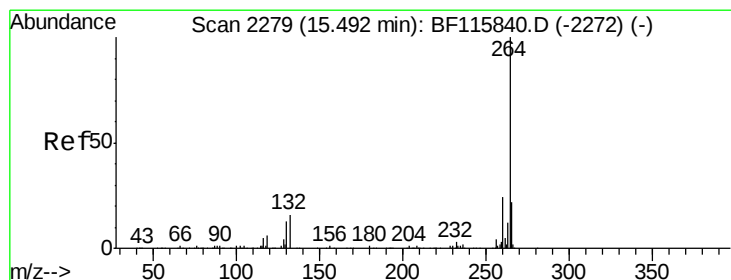
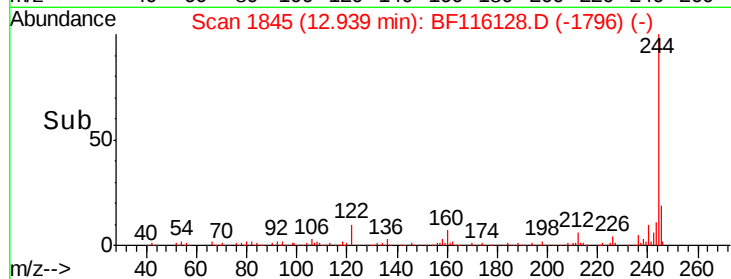
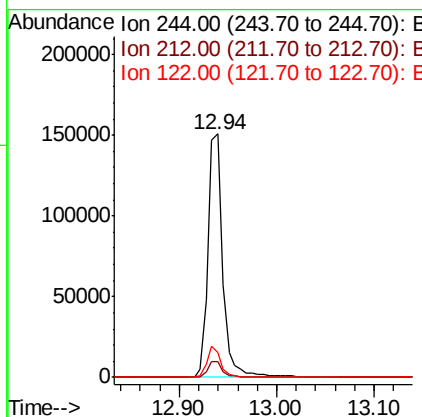
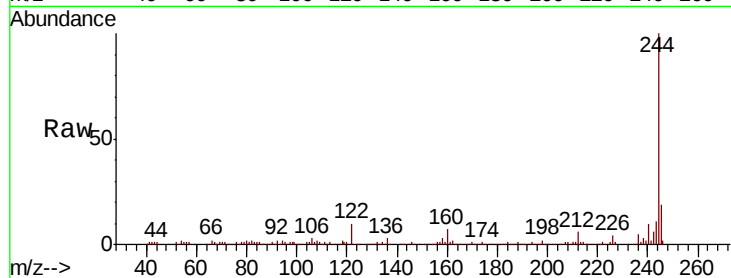




#79
 Terphenyl-d14
 Concen: 12.417 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116128.D
 Acq: 9 Aug 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.8
122	10.3	9.0	13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116128.D
 Acq: 9 Aug 2019 22:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	21.7	17.4	26.0

