

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116452.D
 Acq On : 21 Aug 2019 1:21
 Operator : HP/JU
 Sample : K4096-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 06:56:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

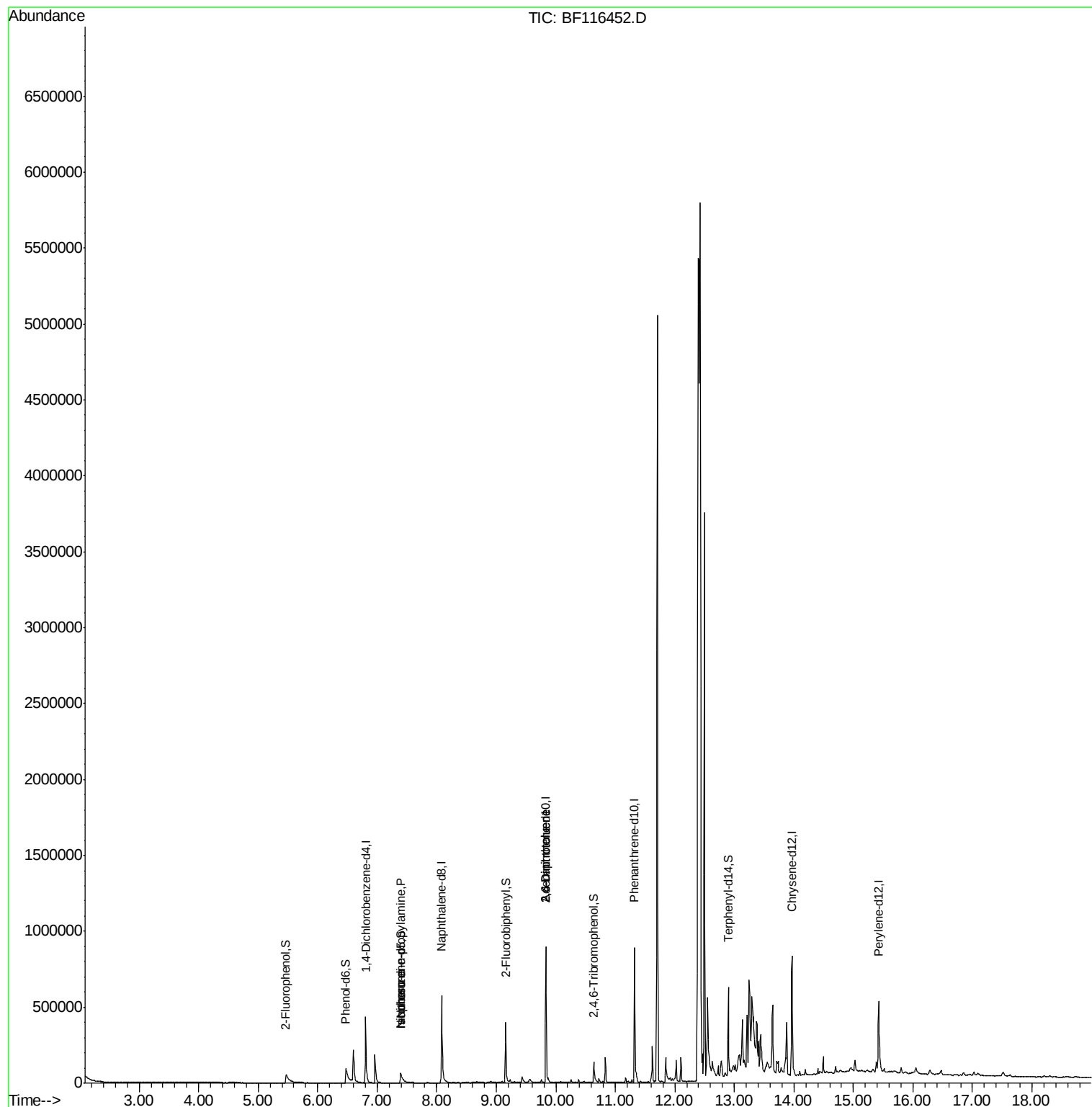
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	80092	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	335536	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	182327	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	346182	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	275050	20.00	ng	-0.01
87) Perylene-d12	15.42	264	256447	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	74546	15.58	ng	0.04
7) Phenol-d6	6.47	99	117316	19.44	ng	0.01
23) Nitrobenzene-d5	7.39	82	68477	11.78	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	28986	16.40	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	141911	14.58	ng	-0.01
79) Terphenyl-d14	12.90	244	182802	14.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	8588	2.296	ng	# 83
25) Isophorone	7.39	82	68477	6.161	ng	# 65
51) 2,6-Dinitrotoluene	9.83	165	23530	8.722	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	23530	6.551	ng	# 20

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

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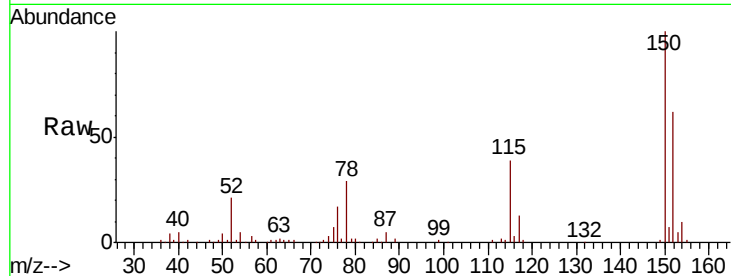


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116452.D
 Acq: 21 Aug 2019 1:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	152	Resp	80092
Ion Ratio	Lower	Upper	
152	100		
150	160.7	126.2	189.2
115	63.5	49.9	74.9

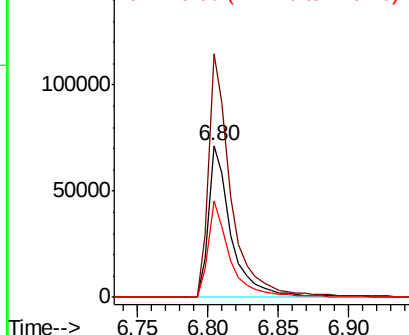
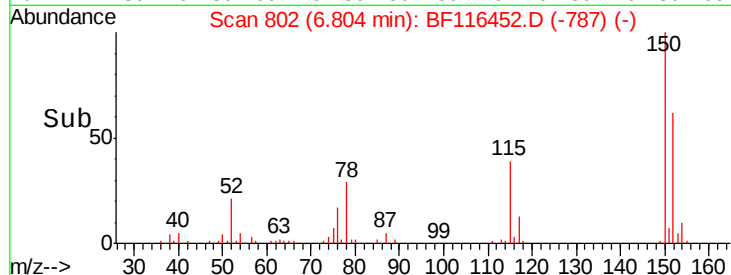


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

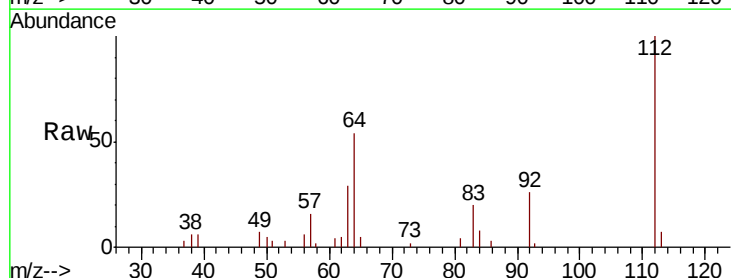
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 15.581 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.04 min
 Lab File: BF116452.D
 Acq: 21 Aug 2019 1:21

Tgt Ion	112	Resp	74546
Ion Ratio	Lower	Upper	
112	100		
64	54.2	45.4	68.2
63	28.5	23.7	35.5

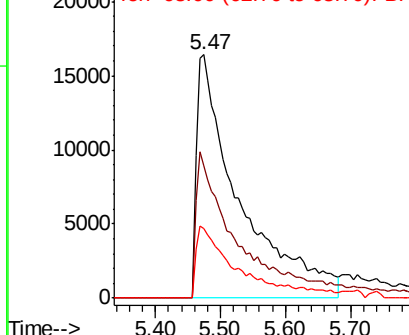
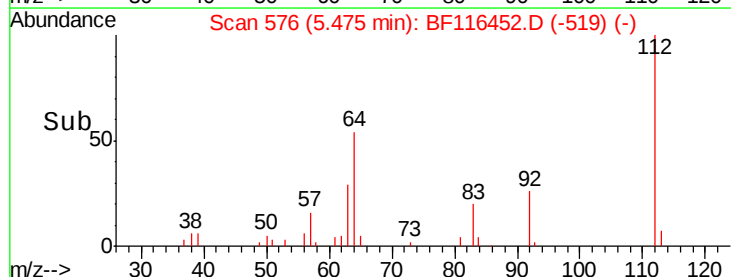


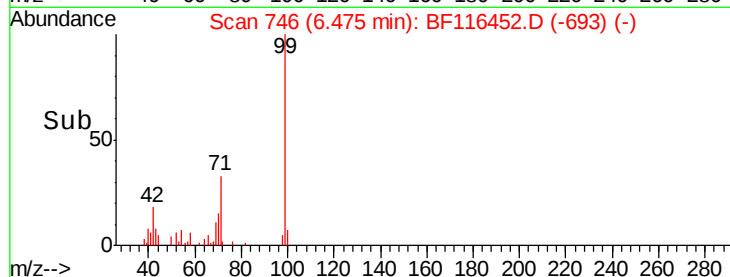
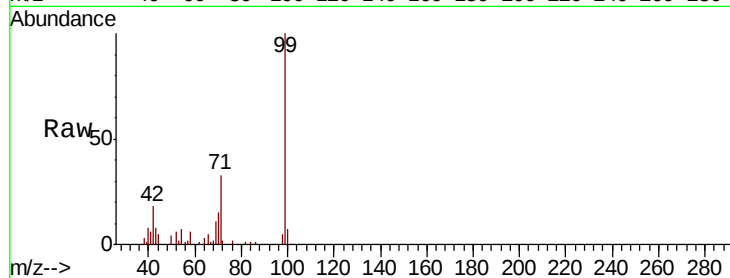
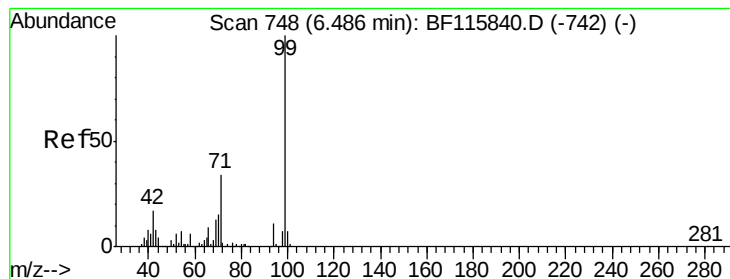
Abundance

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: 19.435 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

Instrument :

BNA_F

ClientSampled :

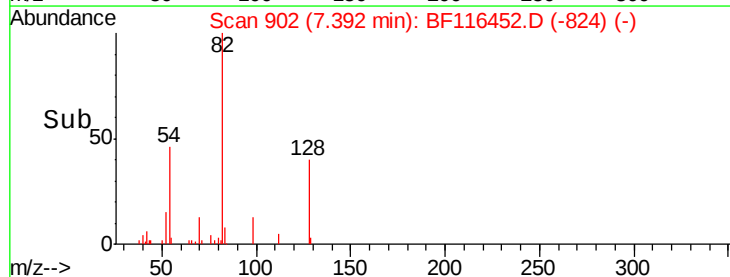
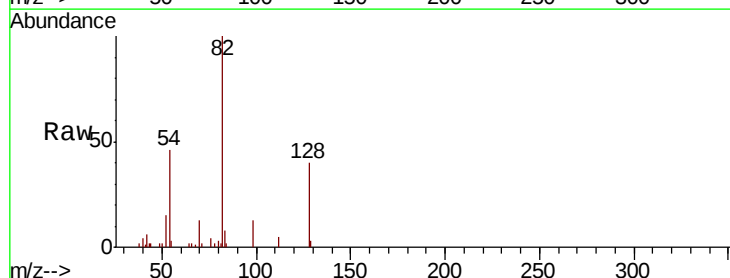
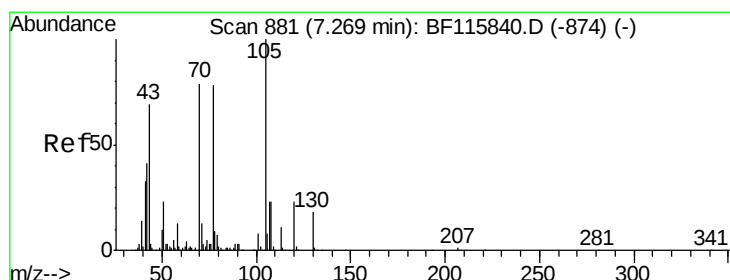
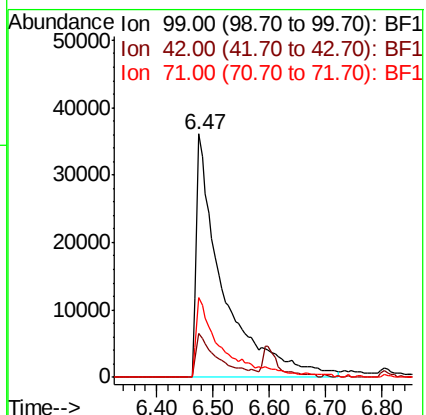
Tot Ion: 99 Resp: 117316

Ion Ratio Lower Upper

99 100

42 17.9 13.8 20.8

71 32.8 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 2.296 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.16 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

Tgt Ion: 70 Resp: 8588

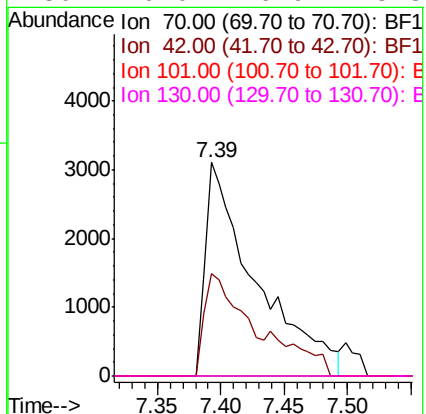
Ion Ratio Lower Upper

70 100

42 48.2 40.9 61.3

101 0.0 7.9 11.9#

130 0.0 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 335536

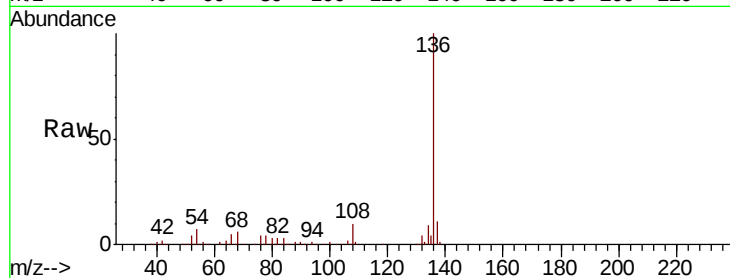
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 7.2 5.8 8.6

68 6.1 5.2 7.8

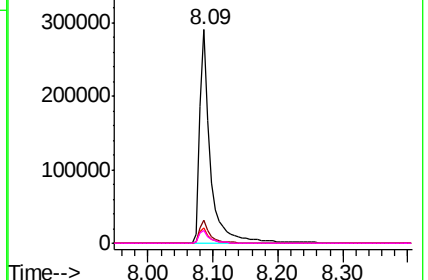
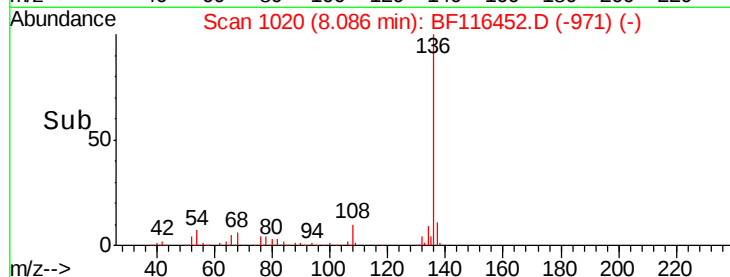


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.780 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

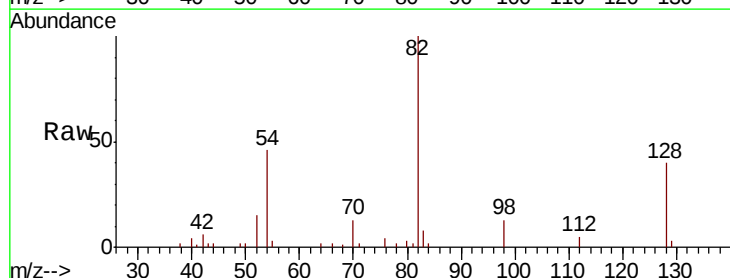
Tgt Ion: 82 Resp: 68477

Ion Ratio Lower Upper

82 100

128 39.5 36.5 54.7

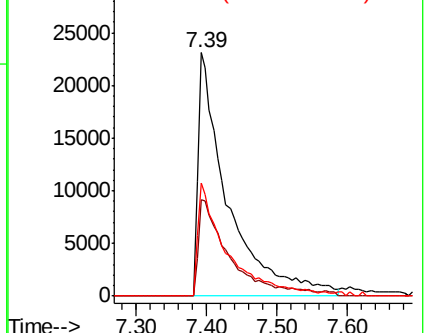
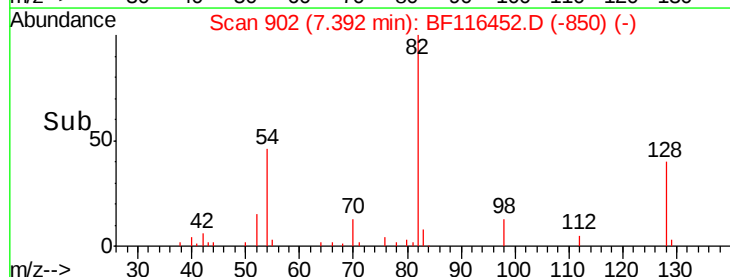
54 46.4 36.0 54.0



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: 6.161 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.25 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

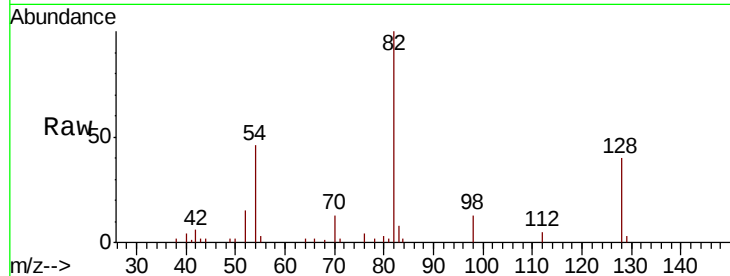
Tot Ion: 82 Resp: 68477

Ion Ratio Lower Upper

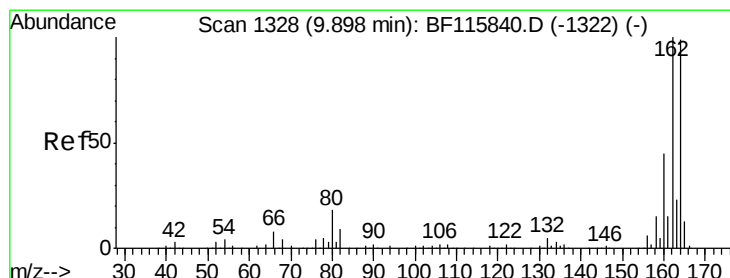
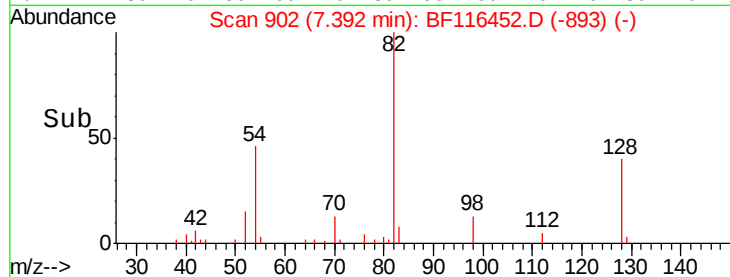
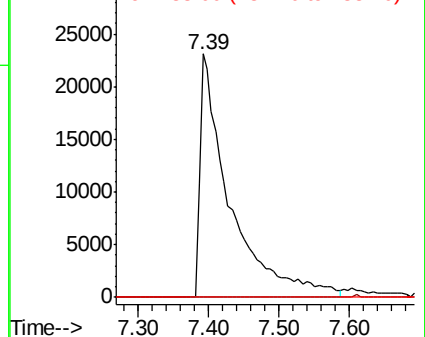
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

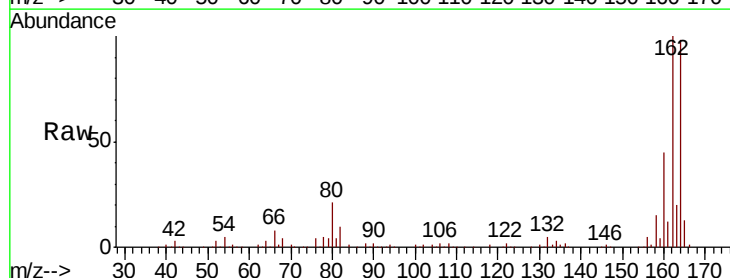
Tgt Ion: 164 Resp: 182327

Ion Ratio Lower Upper

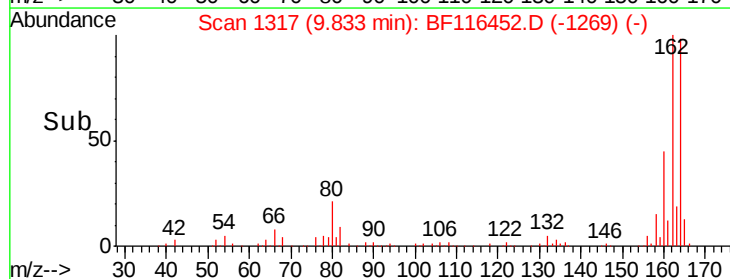
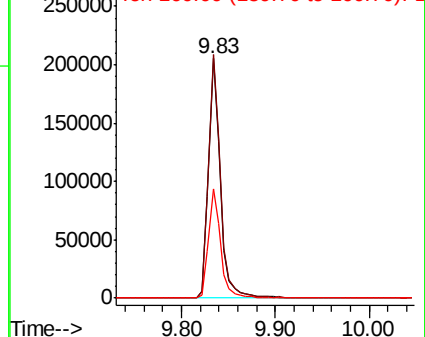
164 100

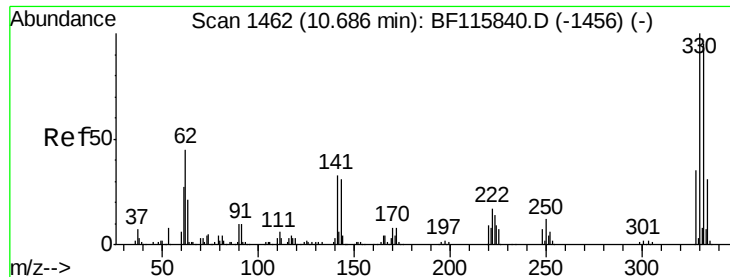
162 101.8 82.6 124.0

160 45.5 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

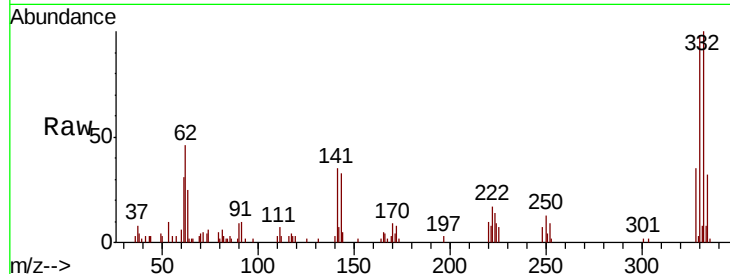




#42
 2,4,6-Tribromophenol
 Concen: 16.397 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF116452.D
 Acq: 21 Aug 2019 1:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.8	115.2
141	37.2	26.3	39.5

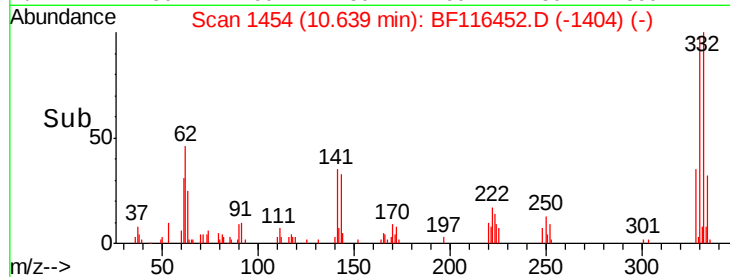
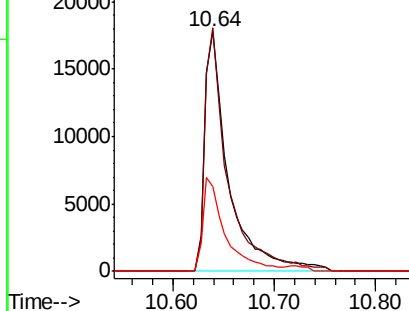


Abundance

Ion 329.80 (329.50 to 330.50): E

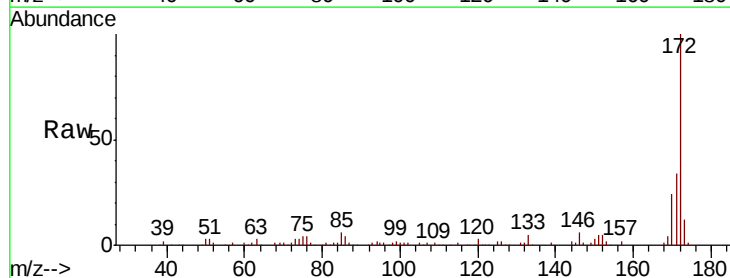
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.579 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116452.D
 Acq: 21 Aug 2019 1:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.6	44.4
170	23.6	20.1	30.1

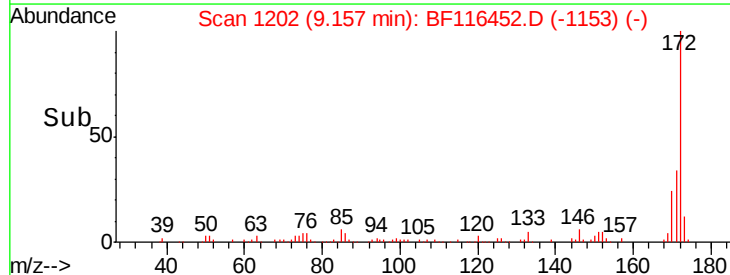
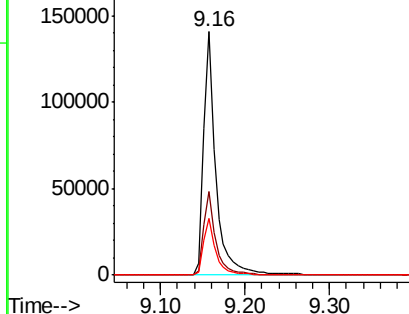


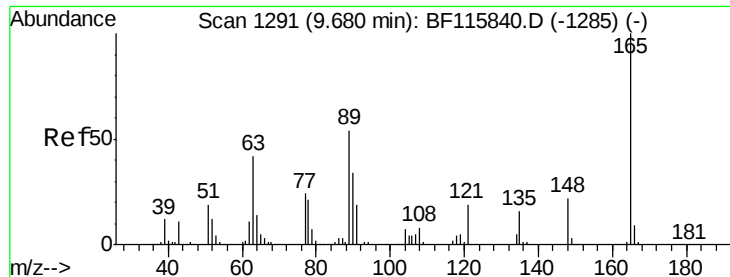
Abundance

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

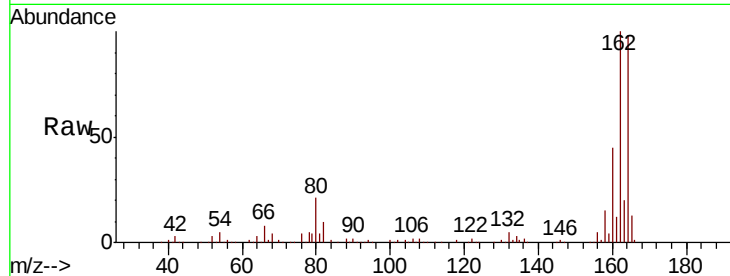




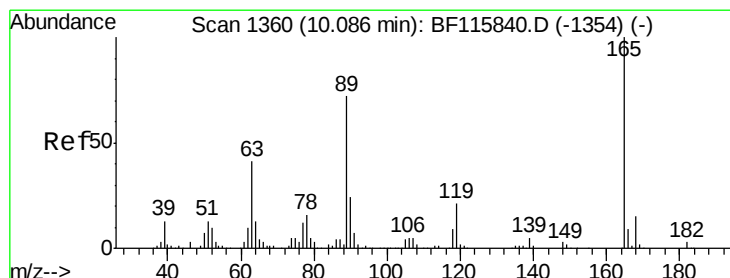
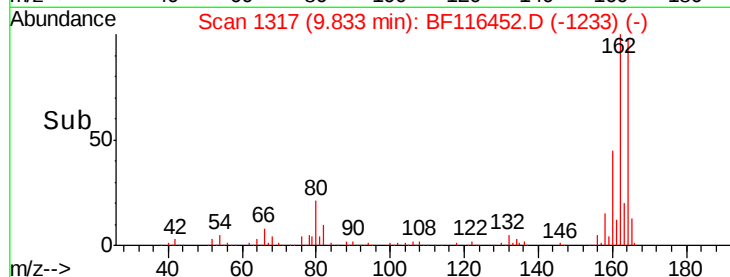
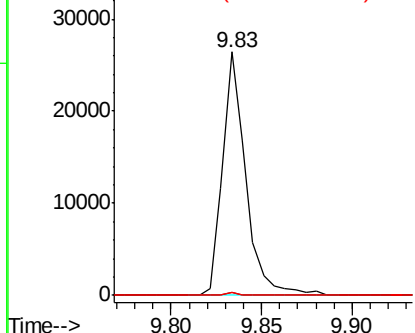
#51
 2,6-Dinitrotoluene
 Concen: 8.722 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.19 min
 Lab File: BF116452.D
 Acq: 21 Aug 2019 1:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.4	42.9	64.3#



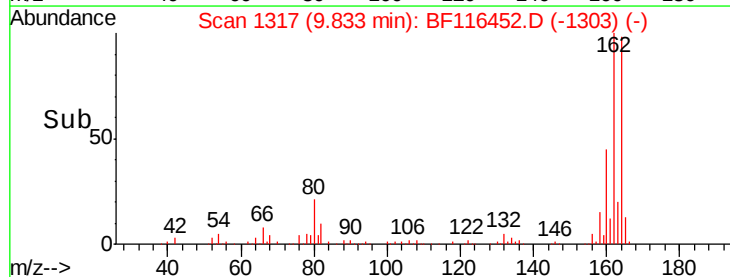
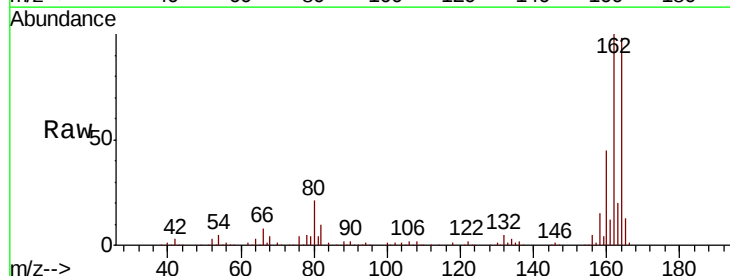
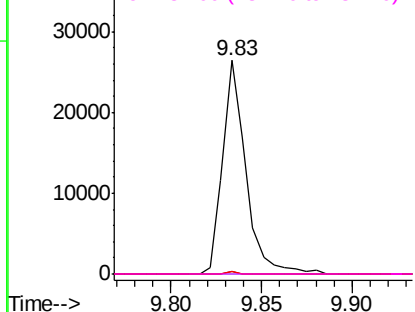
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

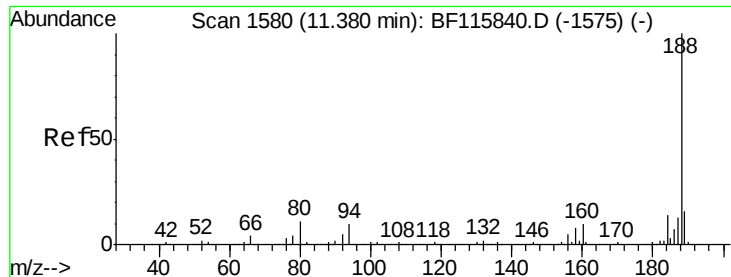


#57
 2,4-Dinitrotoluene
 Concen: 6.551 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116452.D
 Acq: 21 Aug 2019 1:21

Tgt 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

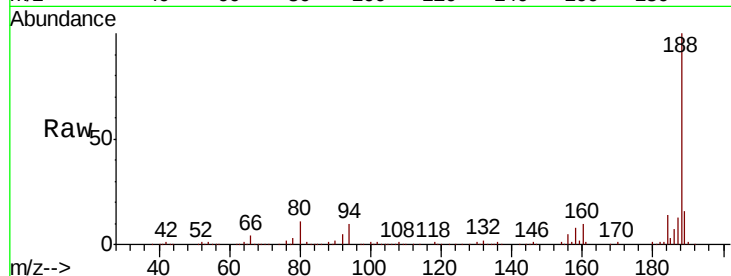




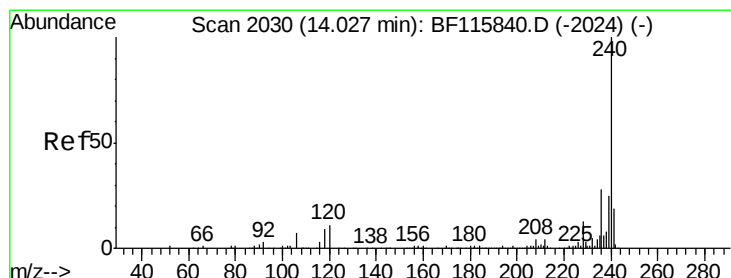
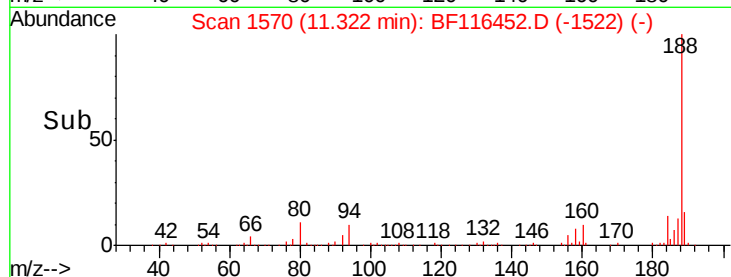
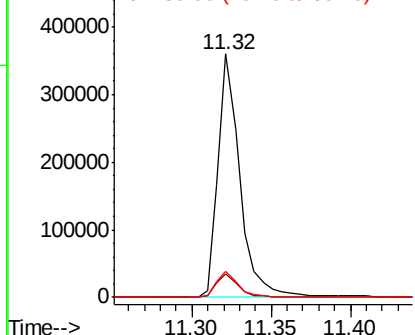
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116452.D
Acq: 21 Aug 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.1	12.1
80	10.7	8.7	13.1

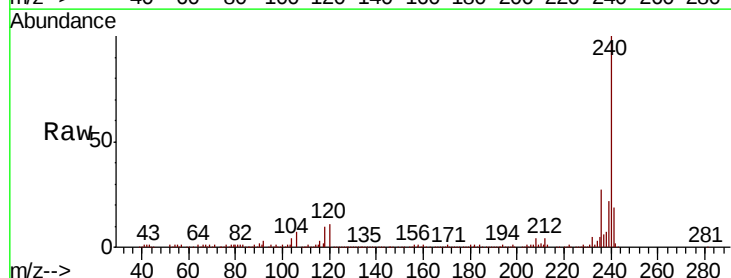


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

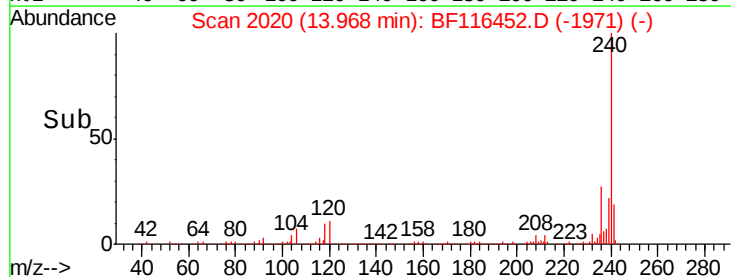
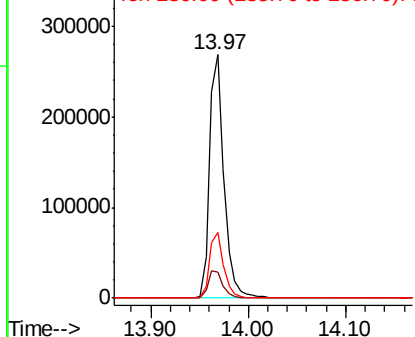


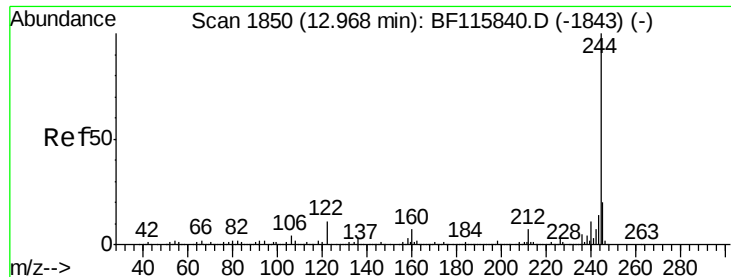
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116452.D
Acq: 21 Aug 2019 1:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	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: 14.005 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

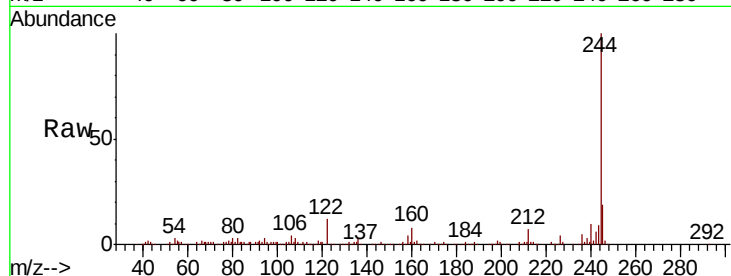
Tot Ion:244 Resp: 182802

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

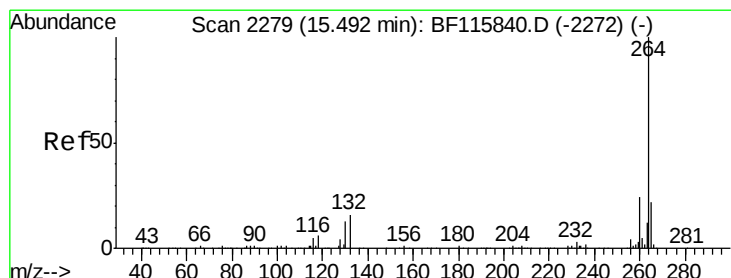
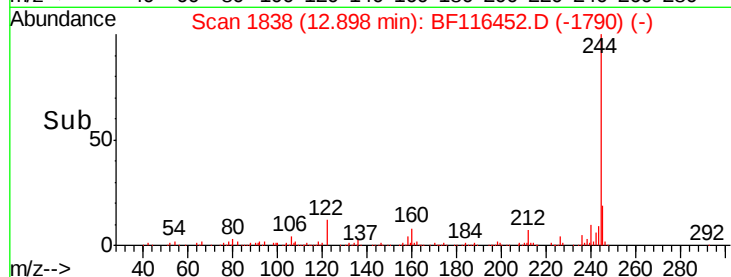
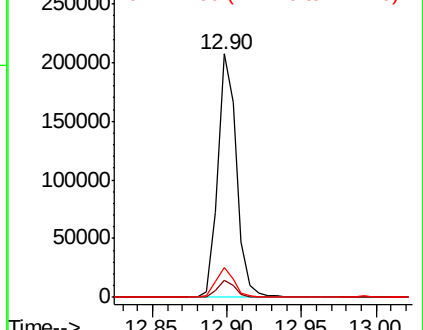
122 12.2 9.0 13.4



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: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116452.D

Acq: 21 Aug 2019 1:21

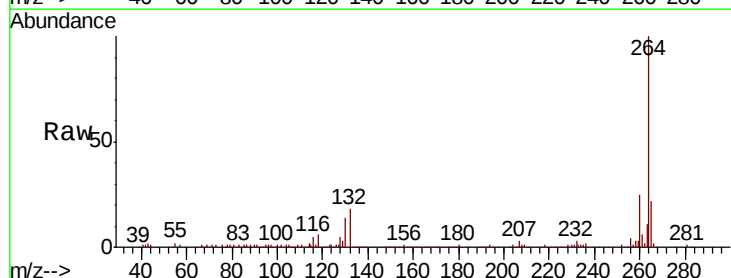
Tgt Ion:264 Resp: 256447

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

265 22.4 17.4 26.0



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

