

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080519\
 Data File : BF115999.D
 Acq On : 6 Aug 2019 00:01
 Operator : HP/JU
 Sample : K4095-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Quant Time: Aug 06 01:40:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

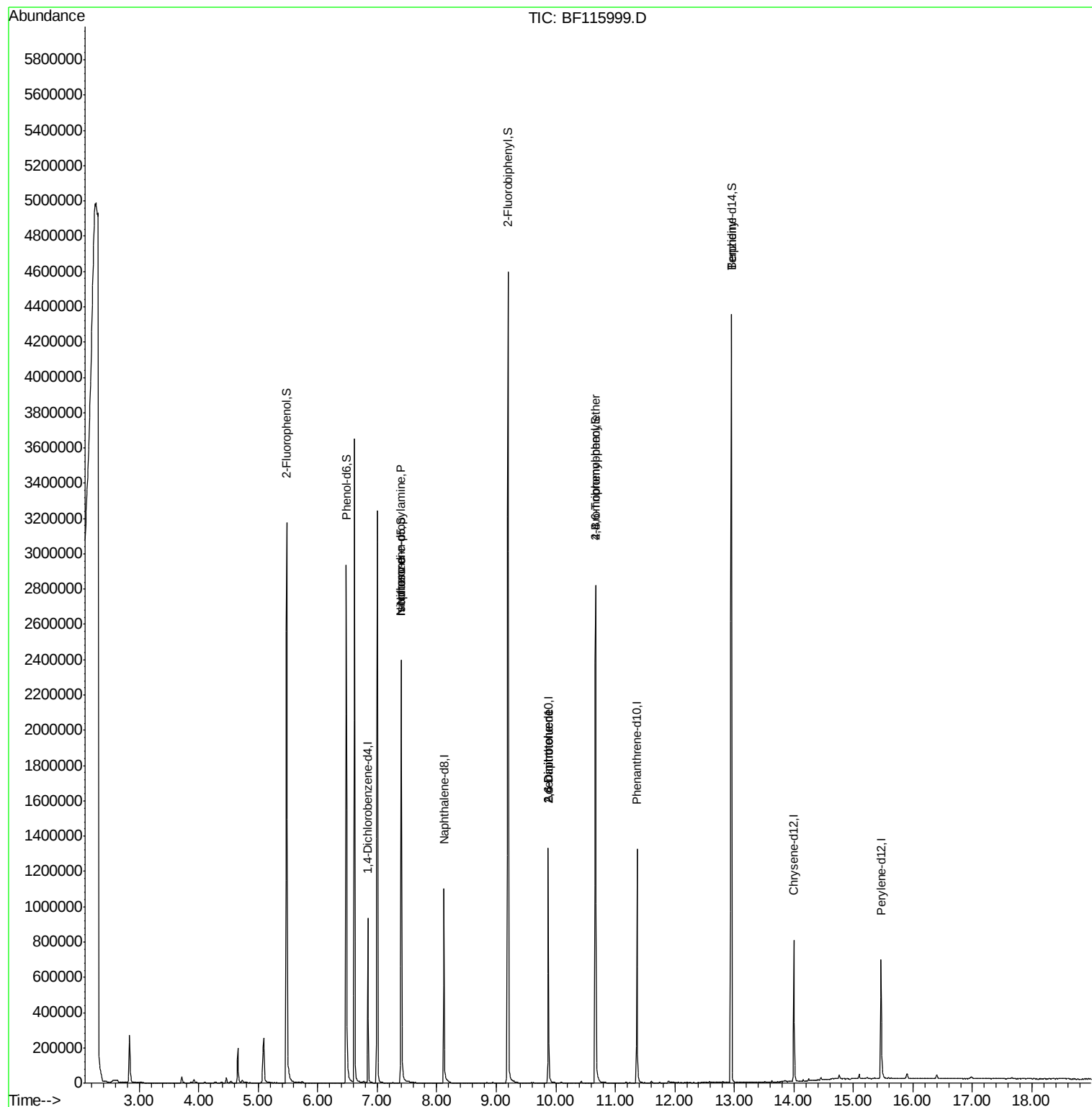
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	137223	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	513080	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	268836	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	477492	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	293952	20.00	ng	-0.02
87) Perylene-d12	15.46	264	332847	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	982852	119.90	ng	0.01
7) Phenol-d6	6.48	99	1128432	109.11	ng	0.00
23) Nitrobenzene-d5	7.40	82	939680	105.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	381412	146.33	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1566441	109.14	ng	-0.02
79) Terphenyl-d14	12.95	244	1680922	120.50	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	124107	19.365	ng	# 80
25) Isophorone	7.40	82	939676	55.287	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	34039	8.557	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	34039	6.427	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	23566	4.610	ng	# 1
77) Benzidine	12.95	184	23137	2.330	ng	# 96

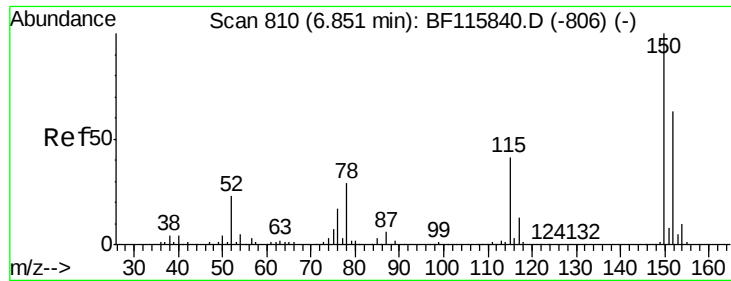
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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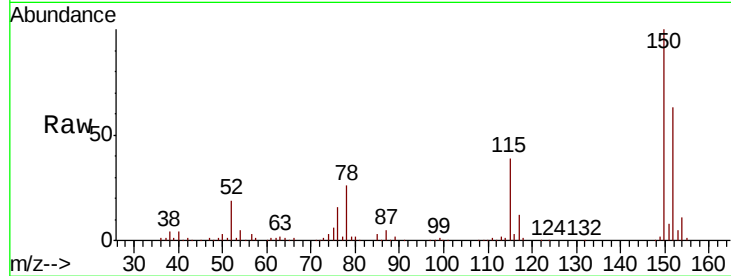


#1

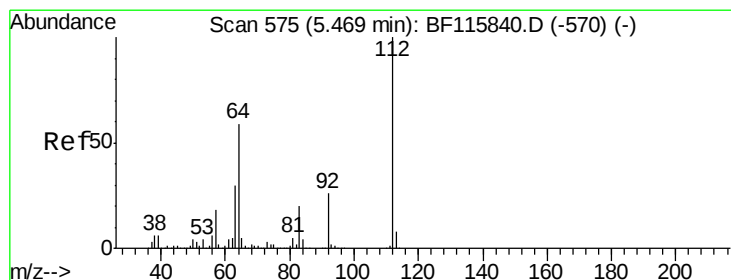
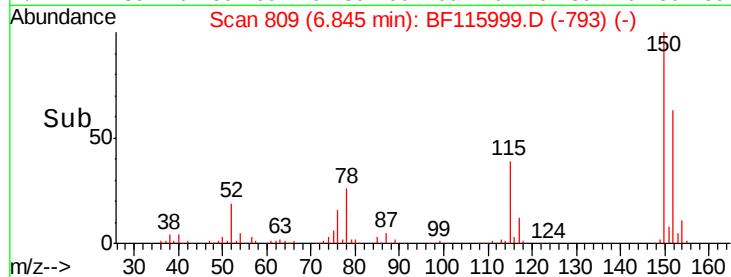
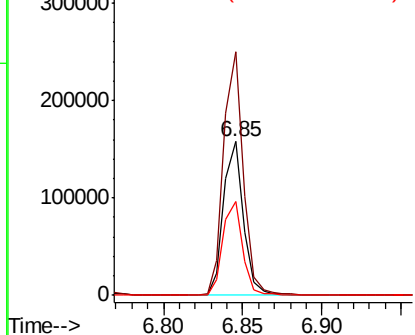
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF115999.D
Acq: 6 Aug 2019 00:01

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tgt Ion:152 Resp: 137223
Ion Ratio Lower Upper
152 100
150 158.1 127.4 191.0
115 60.9 51.8 77.8



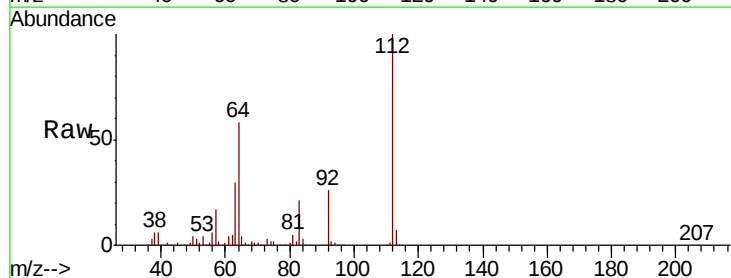
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



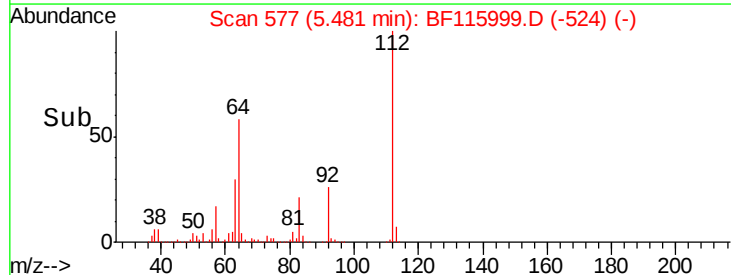
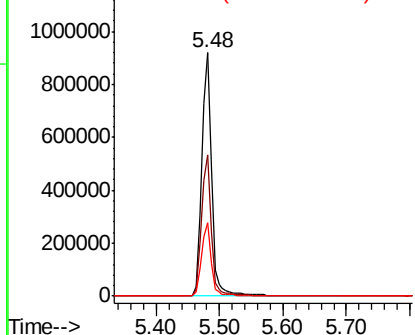
#5

2-Fluorophenol
Concen: 119.904 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF115999.D
Acq: 6 Aug 2019 00:01

Tgt Ion:112 Resp: 982852
Ion Ratio Lower Upper
112 100
64 58.0 46.8 70.2
63 30.4 24.2 36.2



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: 109.112 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-B

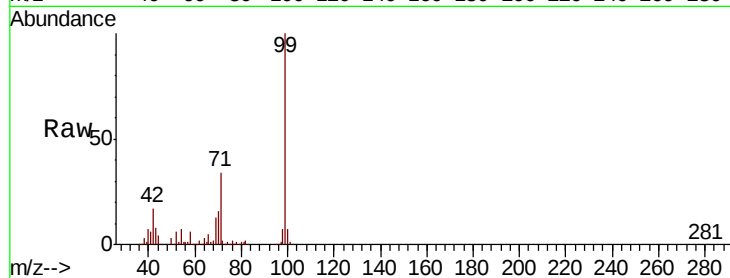
Tgt Ion: 99 Resp: 1128432

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.6

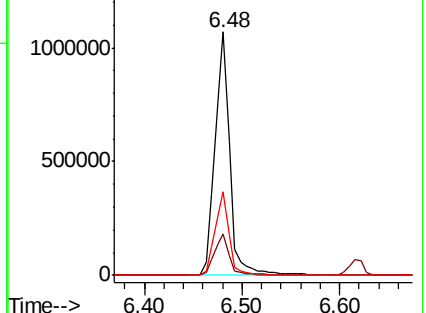
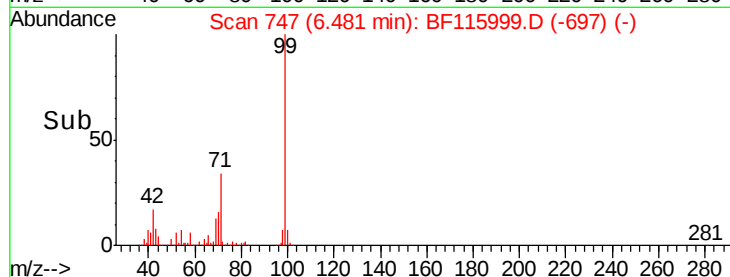
71 34.2 27.1 40.7



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: 19.365 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

Tgt Ion: 70 Resp: 124107

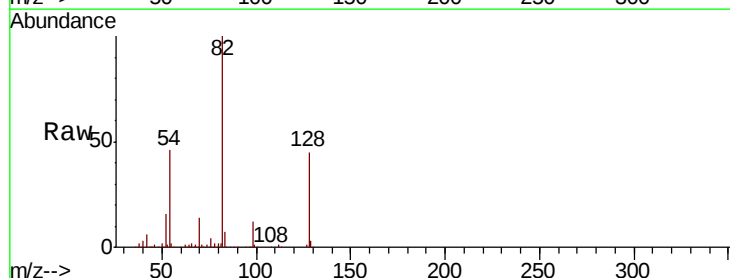
Ion Ratio Lower Upper

70 100

42 45.1 41.8 62.8

101 0.0 7.7 11.5#

130 2.2 17.8 26.6#

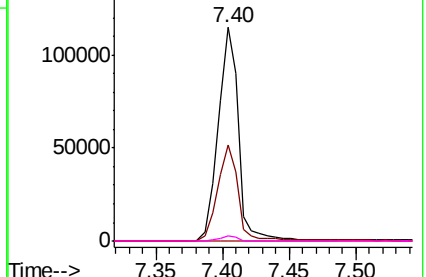
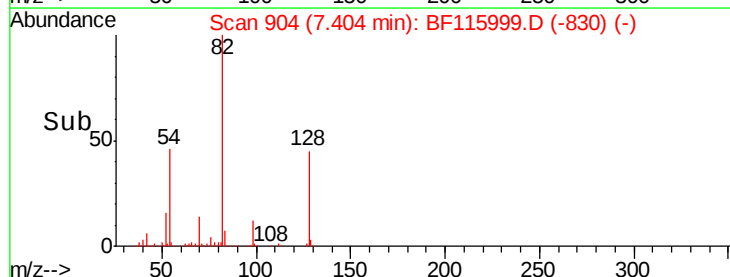


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1026

Delta R.T. -0.01 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-B

Tgt Ion: 136 Resp: 513080

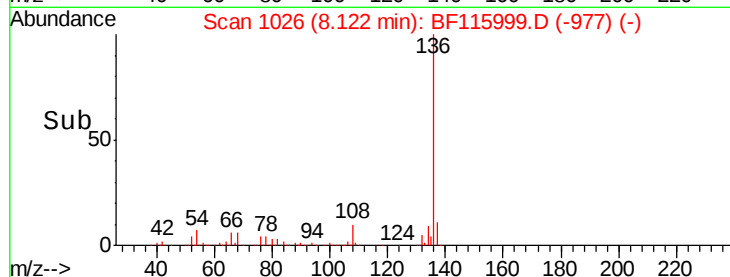
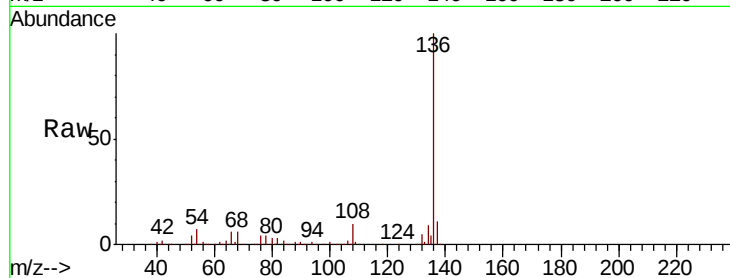
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.3 6.1 9.1

68 6.4 5.4 8.2



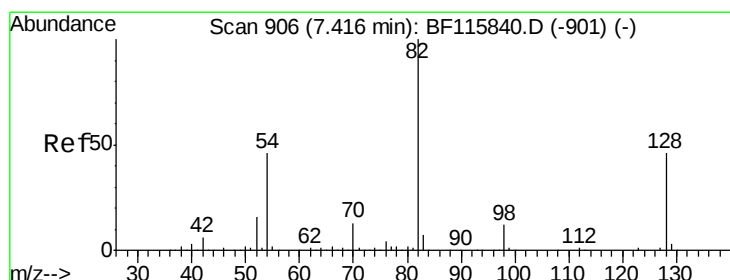
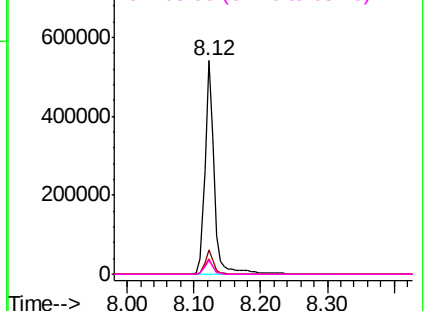
Abundance

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: 105.717 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

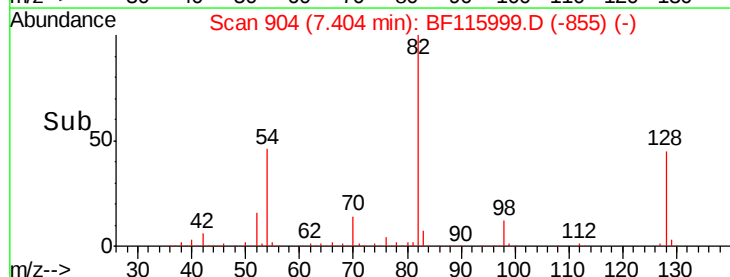
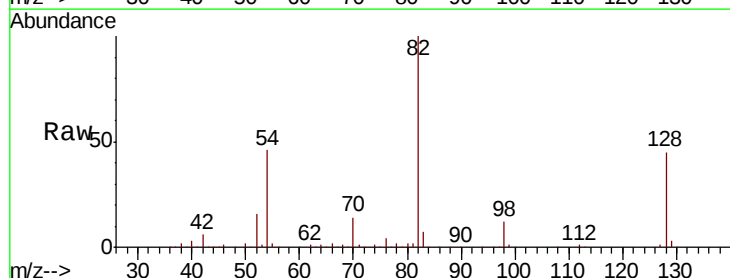
Tgt Ion: 82 Resp: 939680

Ion Ratio Lower Upper

82 100

128 44.5 36.6 55.0

54 46.1 36.6 55.0

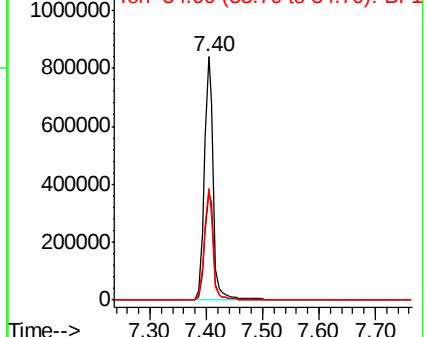


Abundance

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: 55.287 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-B

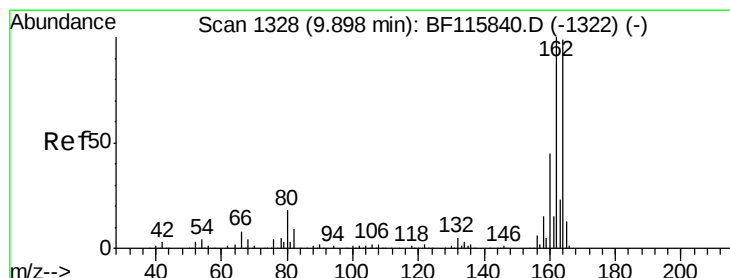
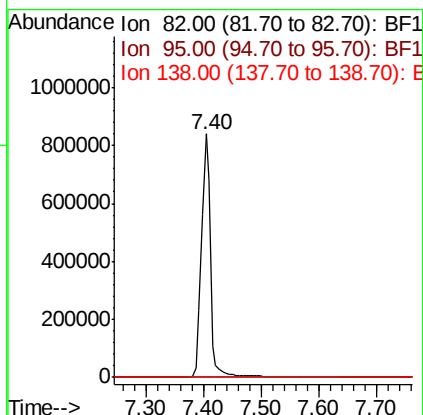
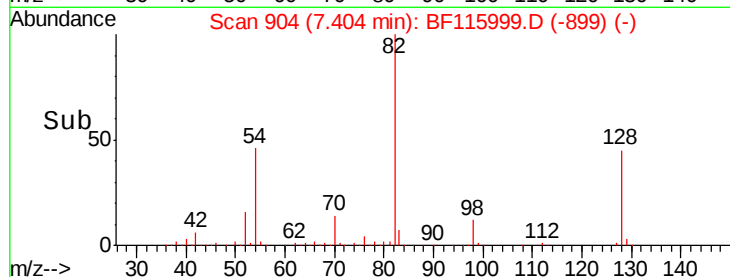
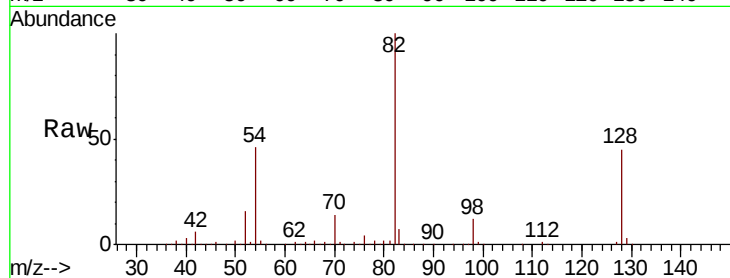
Tgt Ion: 82 Resp: 939676

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

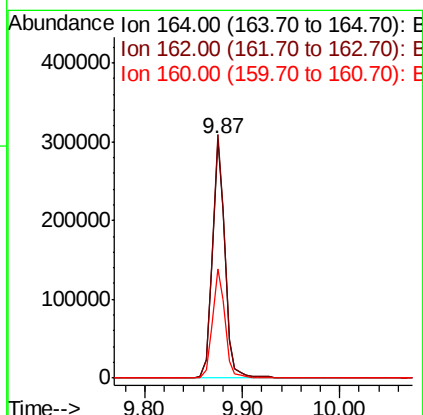
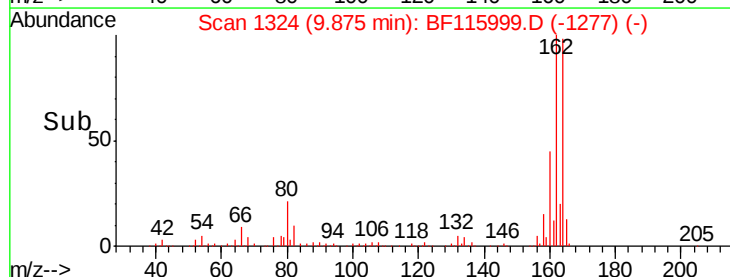
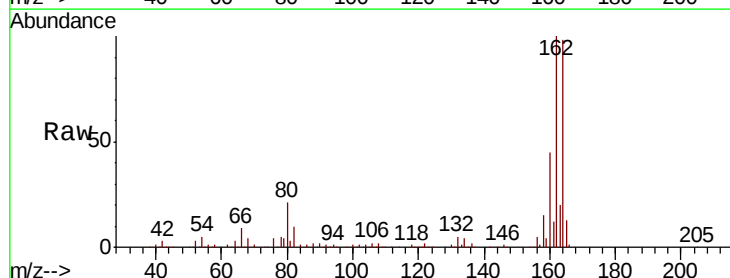
Tgt Ion: 164 Resp: 268836

Ion Ratio Lower Upper

164 100

162 102.1 80.8 121.2

160 46.0 36.2 54.4

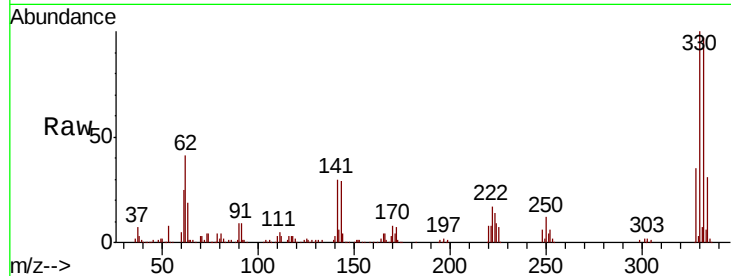




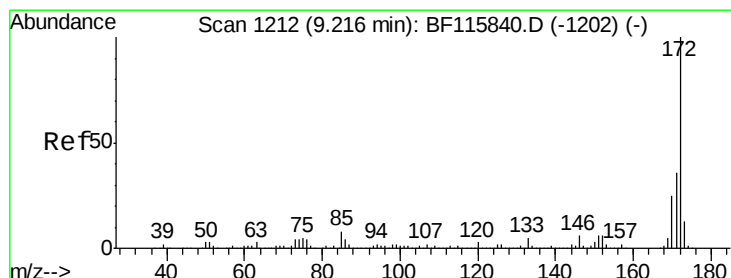
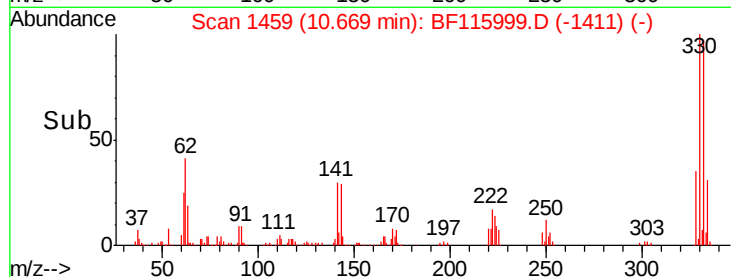
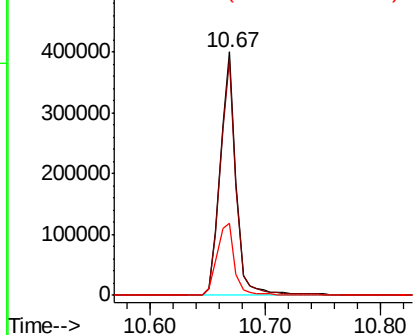
#42
 2,4,6-Tribromophenol
 Concen: 146.334 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF115999.D
 Acq: 6 Aug 2019 00:01

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Tgt Ion:330 Resp: 381412
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.7 116.5
 141 33.4 28.1 42.1

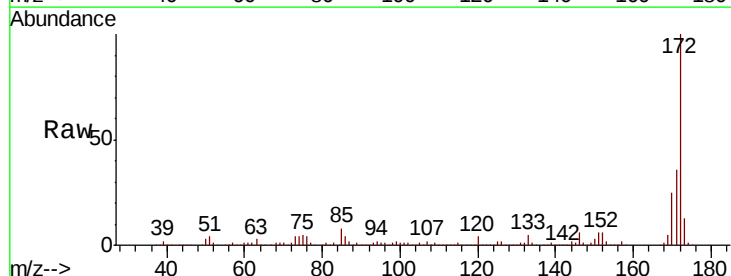


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

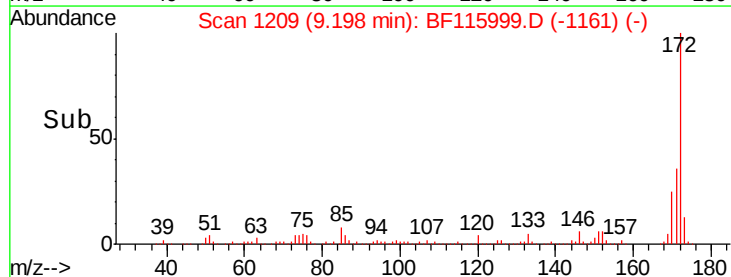
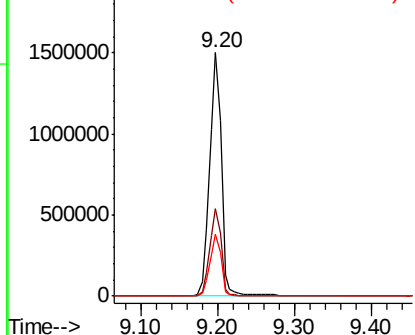


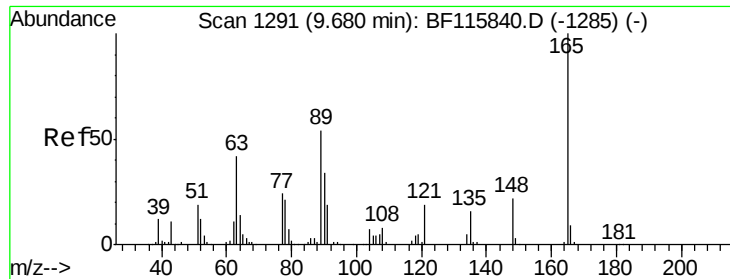
#45
 2-Fluorobiphenyl
 Concen: 109.139 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF115999.D
 Acq: 6 Aug 2019 00:01

Tgt Ion:172 Resp: 1566441
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.1 43.7
 170 25.2 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

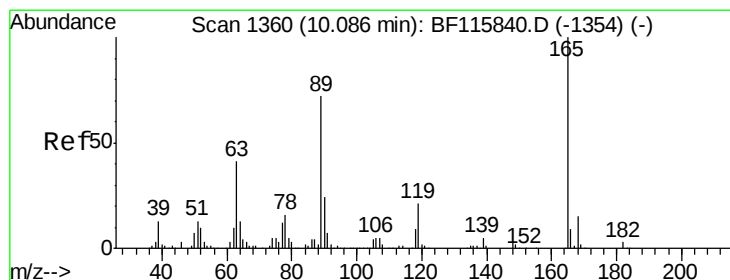
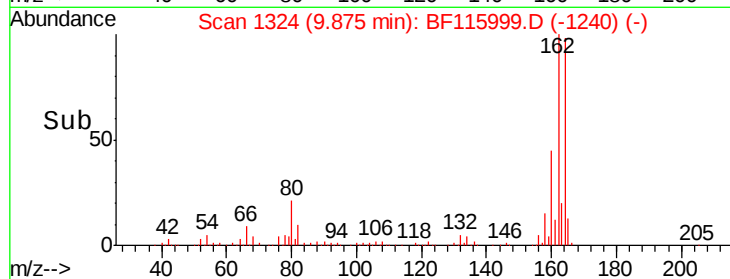
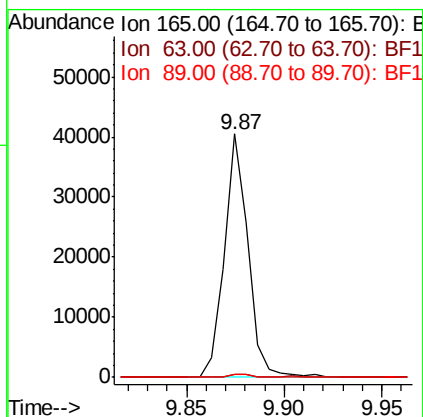
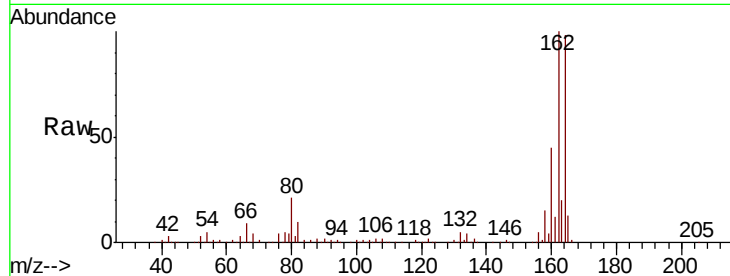




#51
 2,6-Dinitrotoluene
 Concen: 8.557 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF115999.D
 Acq: 6 Aug 2019 00:01

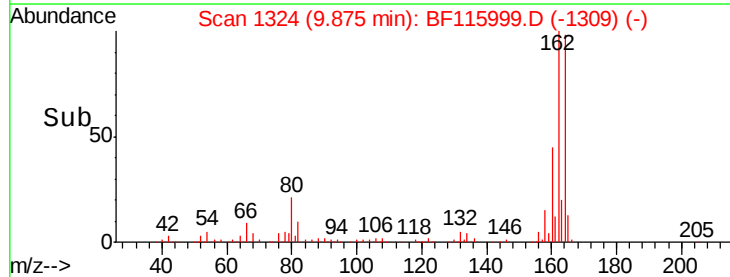
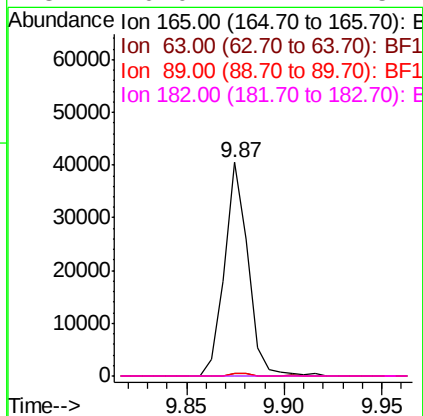
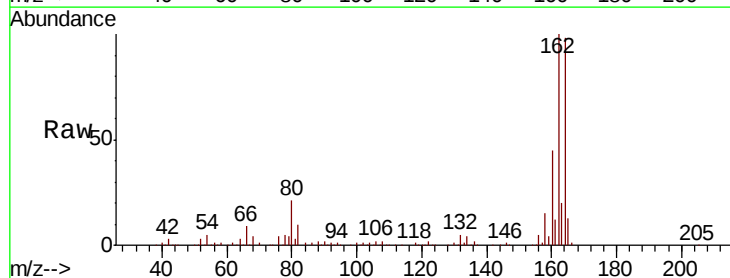
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.4	59.2#
89	1.3	43.0	64.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.427 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF115999.D
 Acq: 6 Aug 2019 00:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.2	49.8#
89	1.3	57.3	85.9#
182	0.0	2.1	3.1#

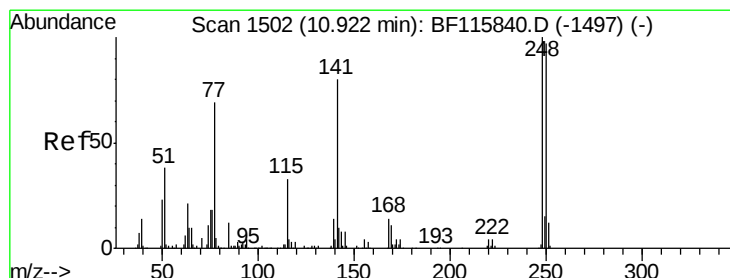
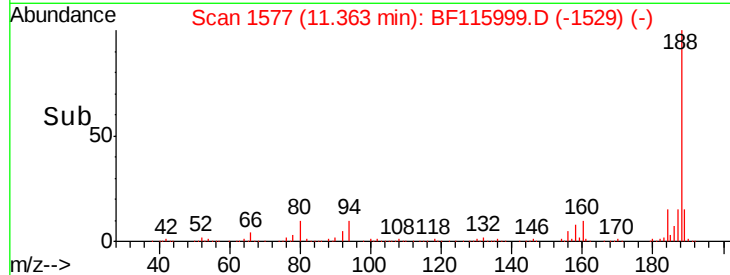
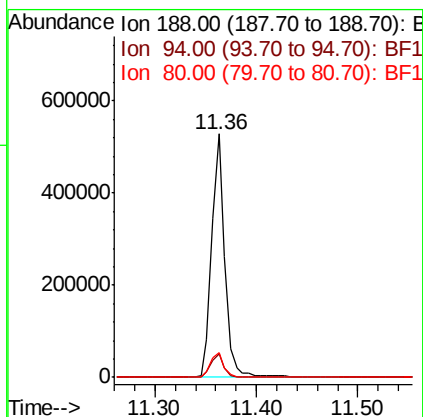
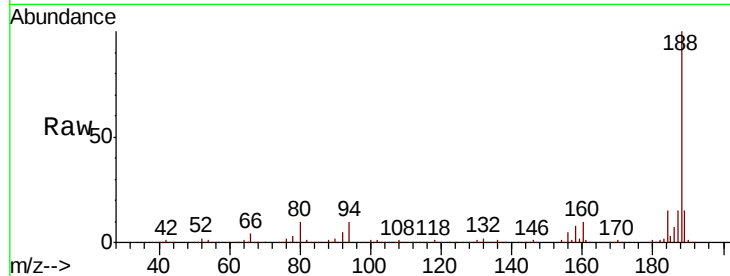




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF115999.D
 Acq: 6 Aug 2019 00:01

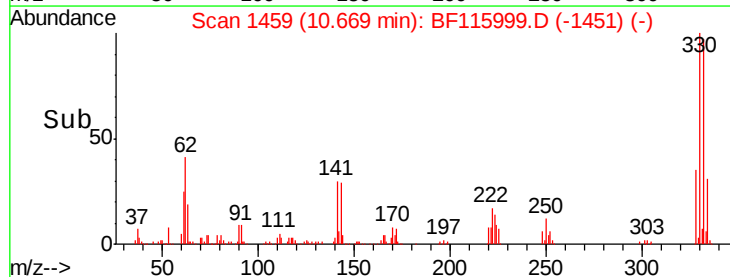
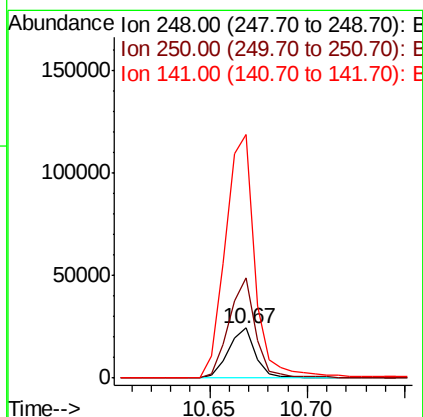
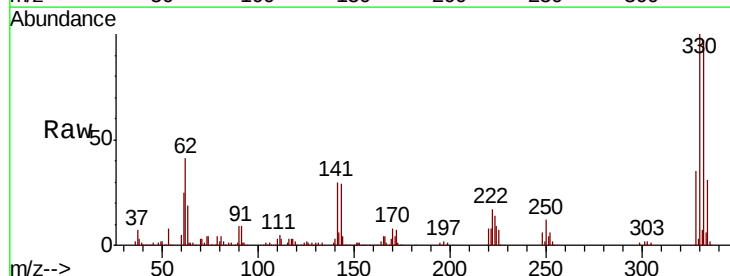
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

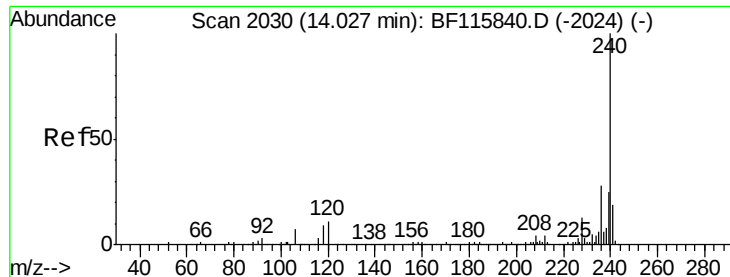
Tgt Ion:188 Resp: 477492
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.0 12.0
 80 10.3 8.6 12.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.610 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF115999.D
 Acq: 6 Aug 2019 00:01

Tgt Ion:248 Resp: 23566
 Ion Ratio Lower Upper
 248 100
 250 202.3 77.8 116.6#
 141 488.6 64.3 96.5#

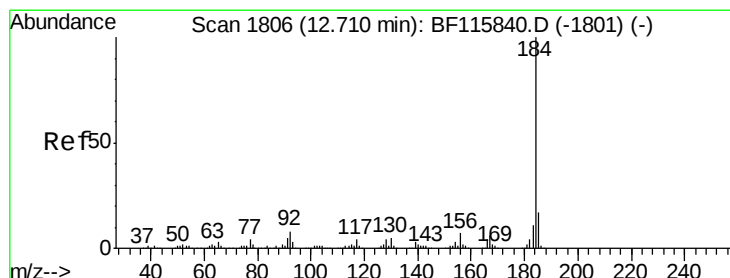
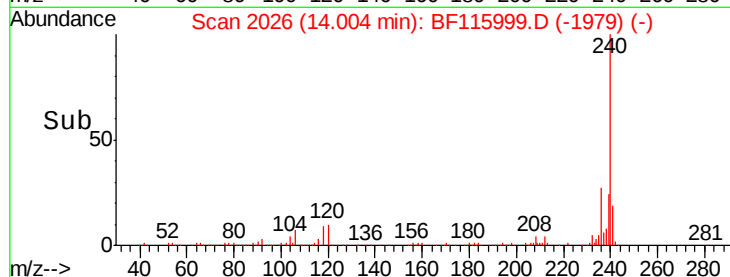
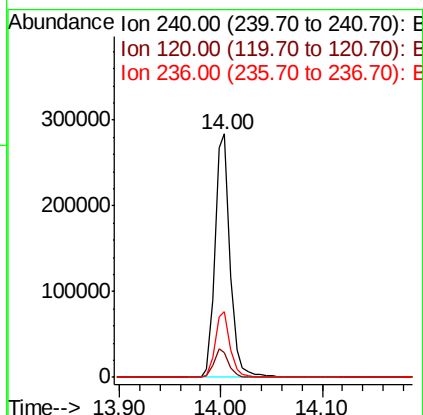
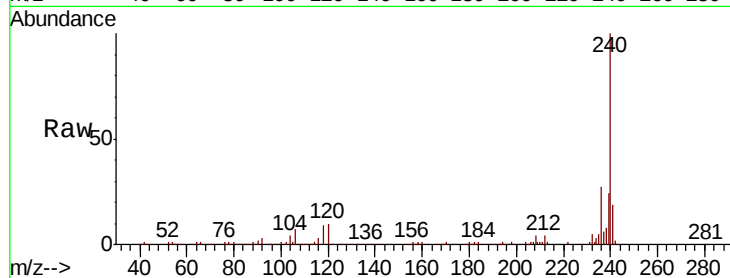




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF115999.D
Acq: 6 Aug 2019 00:01

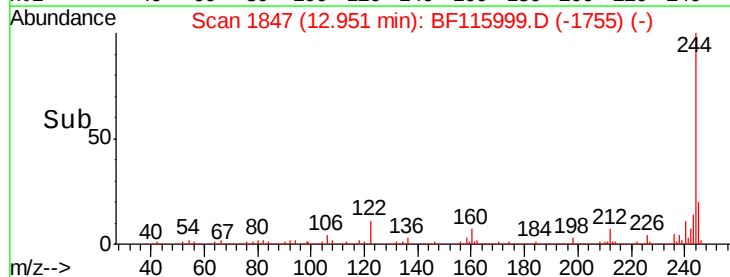
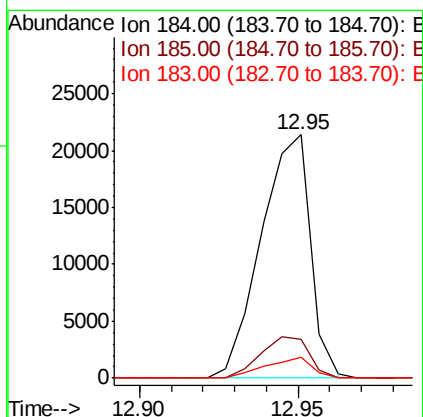
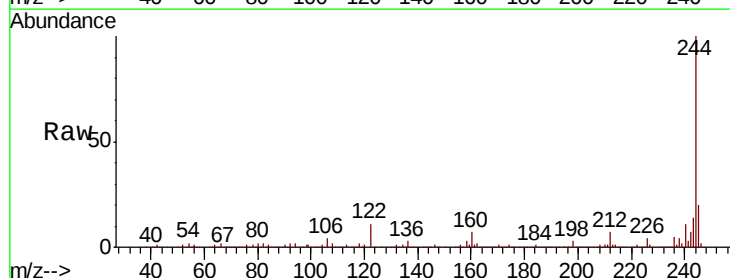
Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

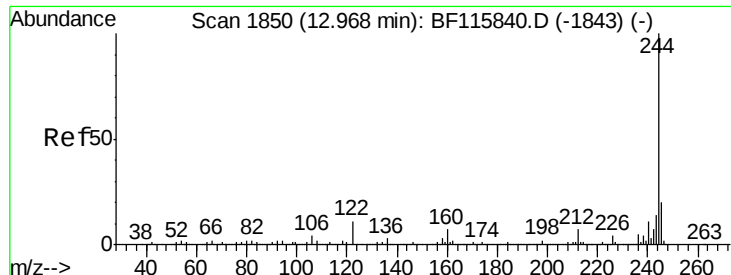
Tgt Ion:240 Resp: 293952
Ion Ratio Lower Upper
240 100
120 10.4 8.5 12.7
236 27.1 22.2 33.2



#77
Benzidine
Concen: 2.330 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.24 min
Lab File: BF115999.D
Acq: 6 Aug 2019 00:01

Tgt Ion:184 Resp: 23137
Ion Ratio Lower Upper
184 100
185 16.0 13.4 20.2
183 8.6 9.1 13.7#





#79

Terphenyl-d14

Concen: 120.495 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-B

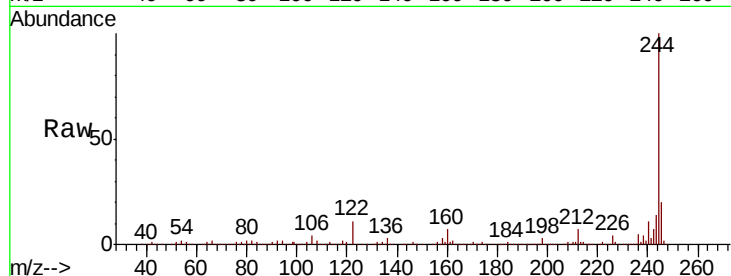
Tgt Ion:244 Resp: 1680922

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

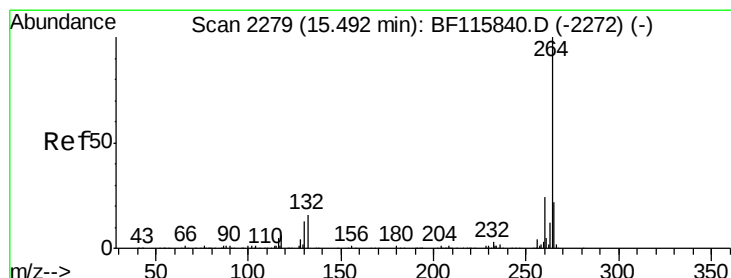
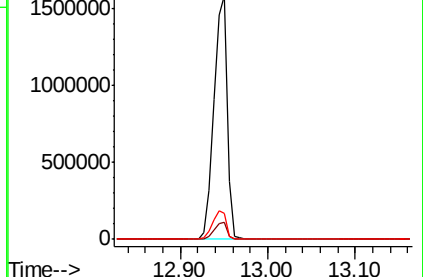
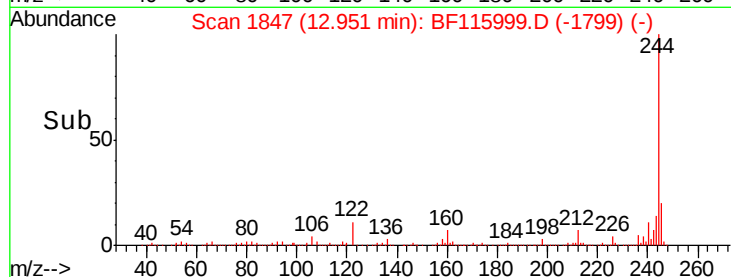
122 10.9 8.6 13.0



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: 15.46 min Scan# 2274

Delta R.T. -0.03 min

Lab File: BF115999.D

Acq: 6 Aug 2019 00:01

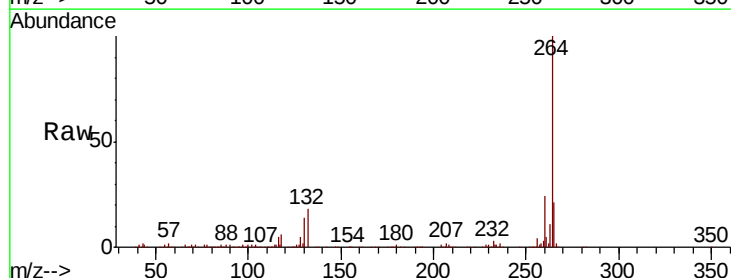
Tgt Ion:264 Resp: 332847

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.2 17.5 26.3



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

