

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116125.D
 Acq On : 9 Aug 2019 21:06
 Operator : HP/JU
 Sample : K4092-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:36:21 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

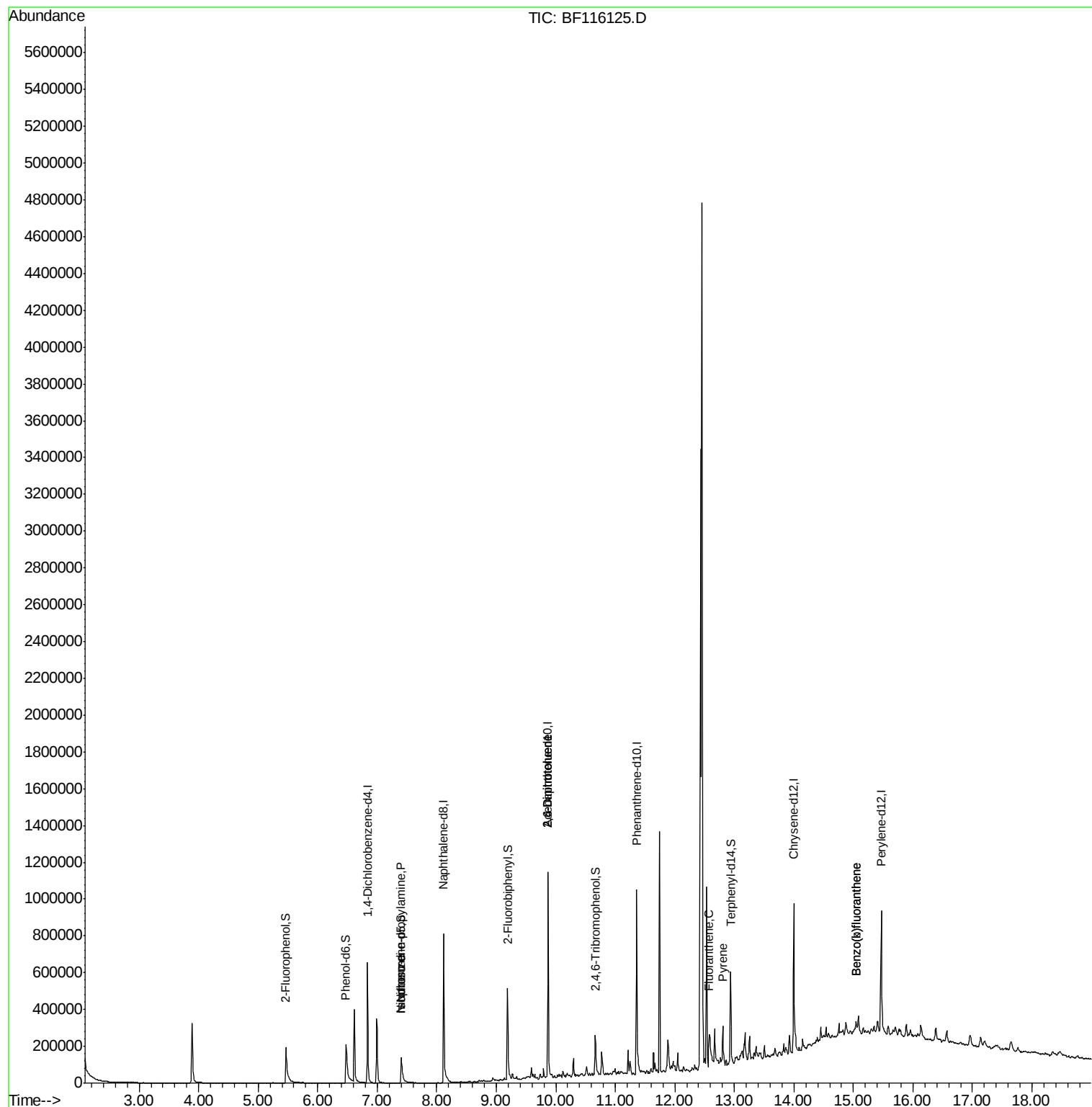
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	113731	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	459712	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	235322	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	377246	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	266632	20.00	ng	-0.01
87) Perylene-d12	15.47	264	319165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	116942	17.21	ng	0.00
7) Phenol-d6	6.48	99	164426	19.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	101769	12.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	35807	15.69	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	205854	16.39	ng	-0.01
79) Terphenyl-d14	12.94	244	182730	14.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	13493	2.540	ng	# 77
25) Isophorone	7.40	82	101769	6.683	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	30278	8.696	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	30278	6.531	ng	# 20
75) Fluoranthene	12.57	202	44674	2.213	ng	96
78) Pyrene	12.80	202	62643	3.117	ng	99
88) Benzo(b)fluoranthene	15.04	252	37160	2.014	ng	# 64
89) Benzo(k)fluoranthene	15.04	252	37160	2.067	ng	# 63

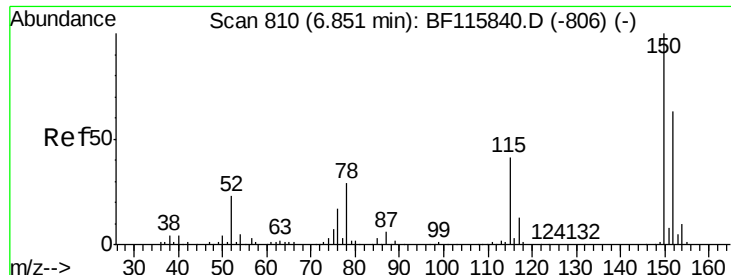
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF116125.D

Acq: 9 Aug 2019 21:06

Instrument :

BNA_F

ClientSampled :

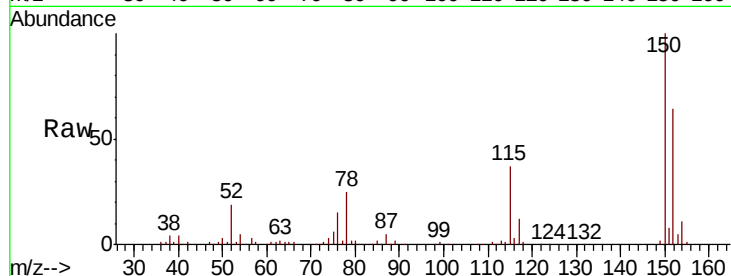
Tot Ion:152 Resp: 113731

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

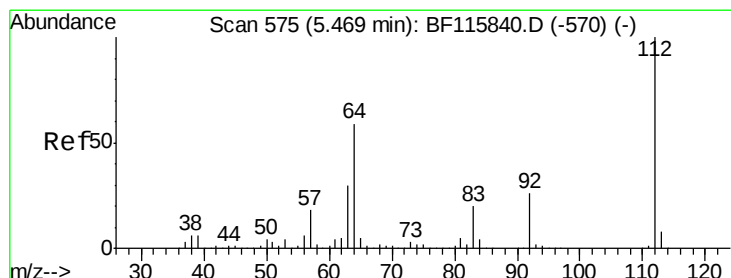
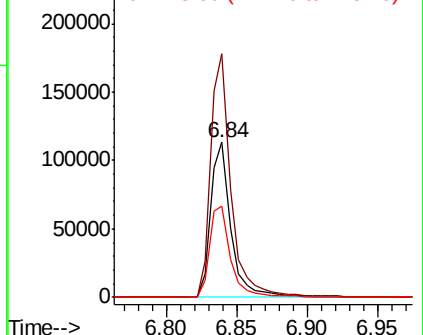
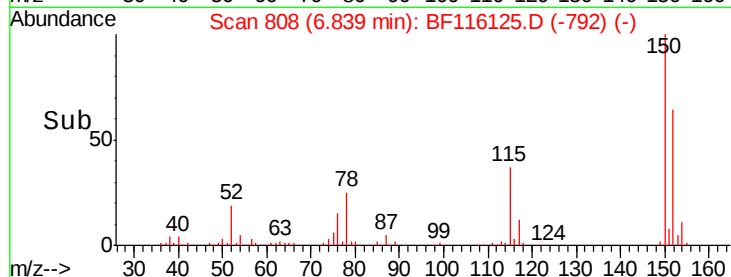
115 58.9 49.9 74.9



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: 17.213 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.00 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

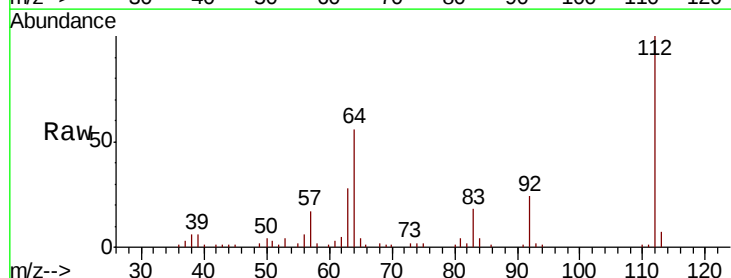
Tgt Ion:112 Resp: 116942

Ion Ratio Lower Upper

112 100

64 56.3 45.4 68.2

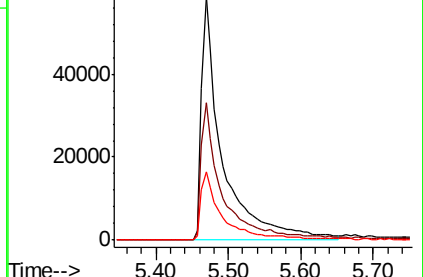
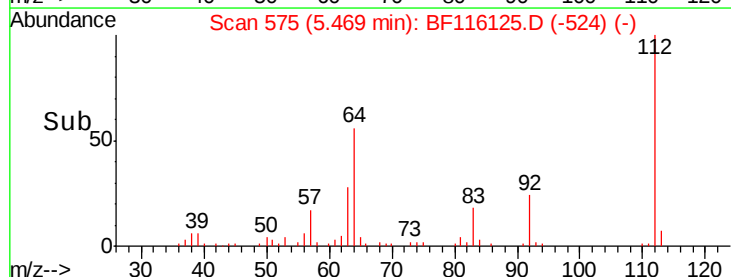
63 27.8 23.7 35.5



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: 19.183 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

Instrument :

BNA_F

ClientSampled :

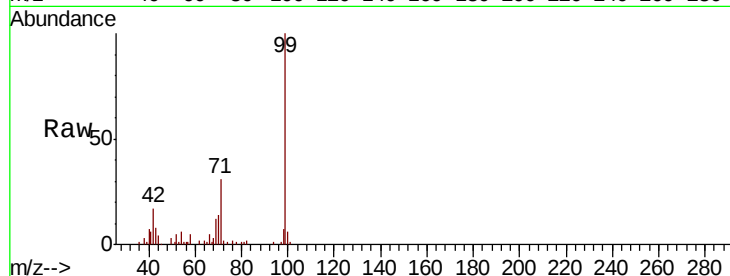
Tot Ion: 99 Resp: 164426

Ion Ratio Lower Upper

99 100

42 16.5 13.8 20.8

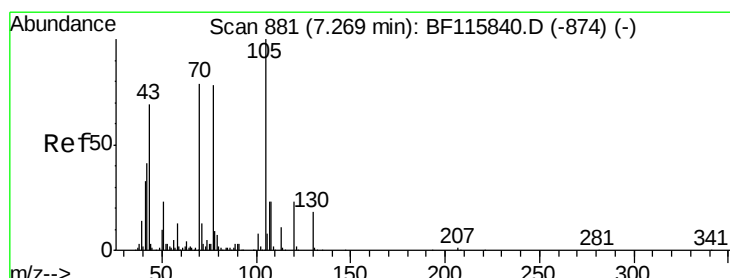
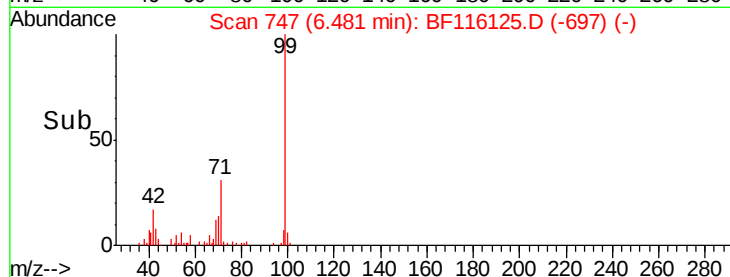
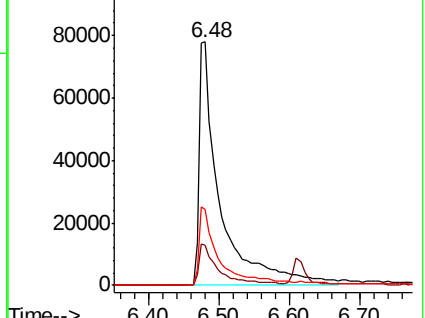
71 31.4 27.3 40.9



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: 2.540 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

Tgt Ion: 70 Resp: 13493

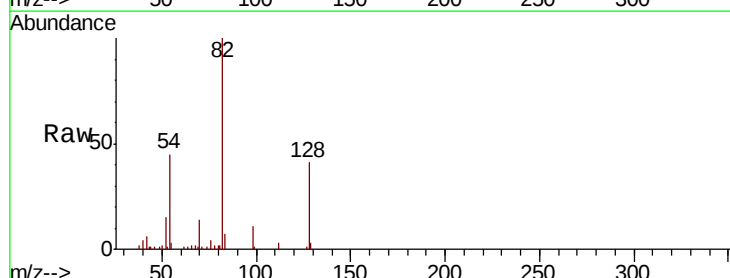
Ion Ratio Lower Upper

70 100

42 41.8 40.9 61.3

101 0.0 7.9 11.9#

130 0.0 16.9 25.3#

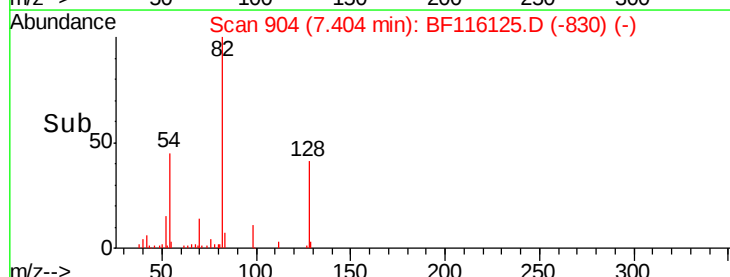
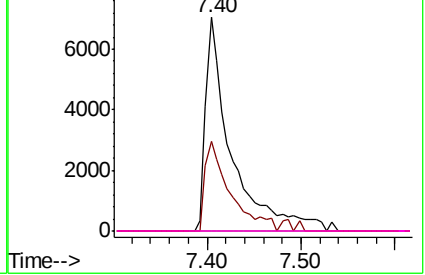


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

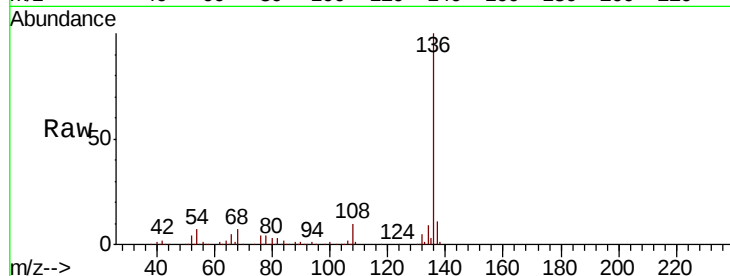




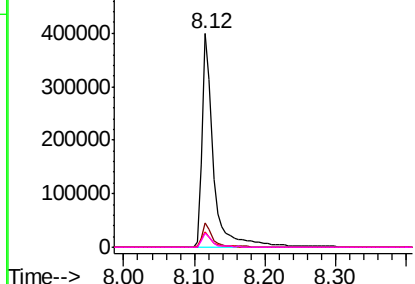
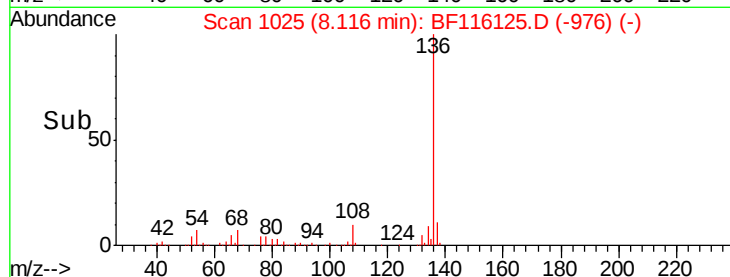
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116125.D
Acq: 9 Aug 2019 21:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	459712
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.4
54	7.4	5.8 8.6
68	6.7	5.2 7.8

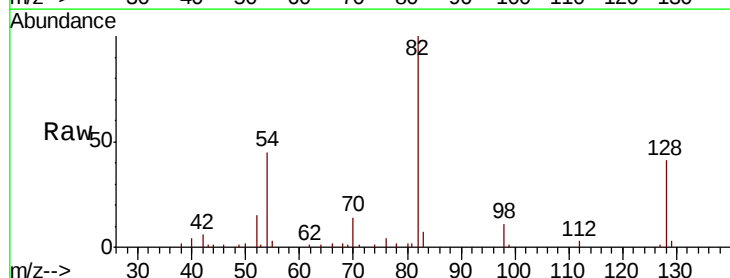


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

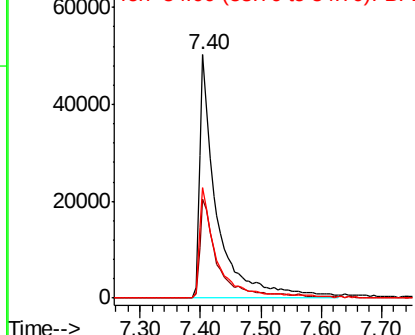
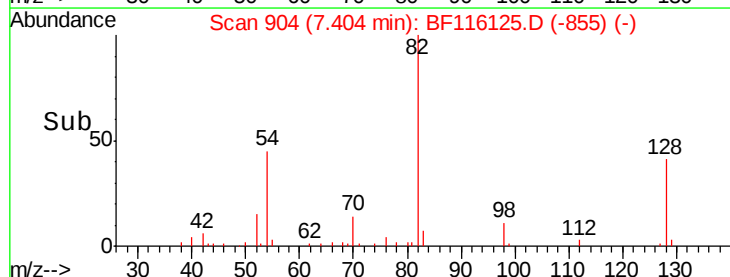


#23
Nitrobenzene-d5
Concen: 12.778 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116125.D
Acq: 9 Aug 2019 21:06

Tgt Ion: 82	Resp:	101769
Ion	Ratio	Lower Upper
82	100	
128	40.6	36.5 54.7
54	45.4	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: 6.683 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

Instrument :

BNA_F

ClientSampleId :

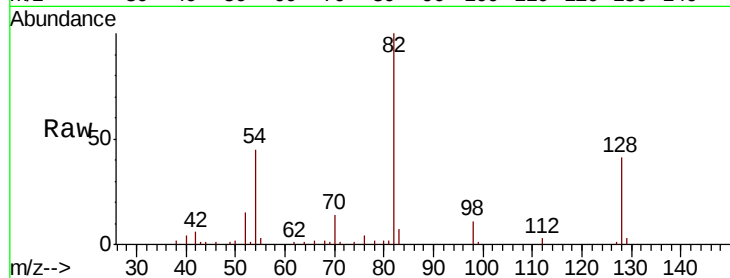
Tot Ion: 82 Resp: 101769

Ion Ratio Lower Upper

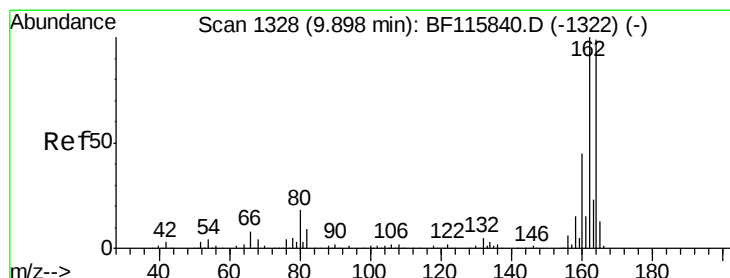
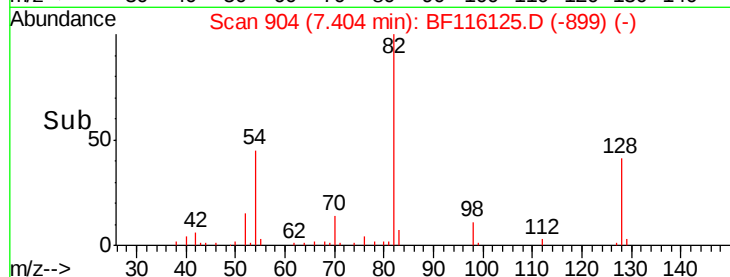
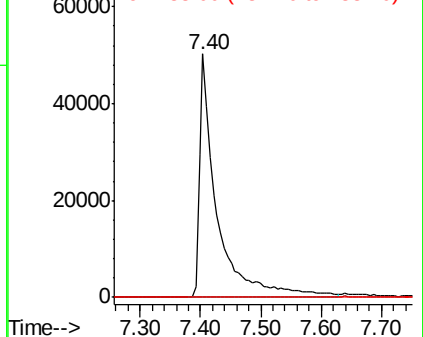
82 100

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: BF116125.D

Acq: 9 Aug 2019 21:06

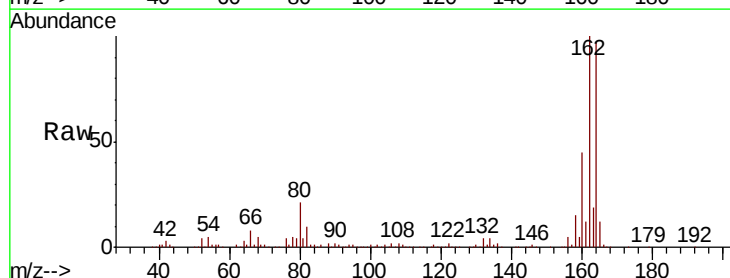
Tgt Ion:164 Resp: 235322

Ion Ratio Lower Upper

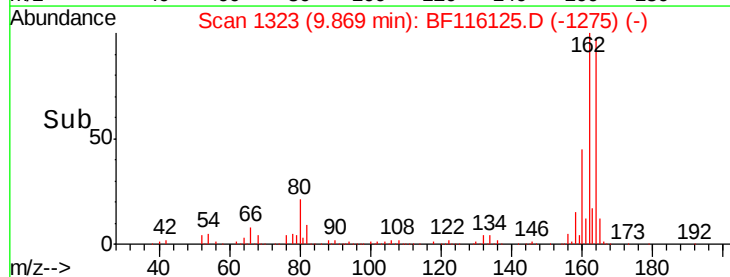
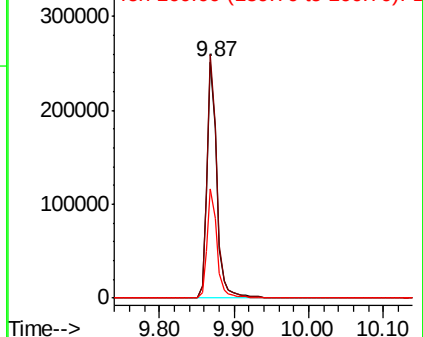
164 100

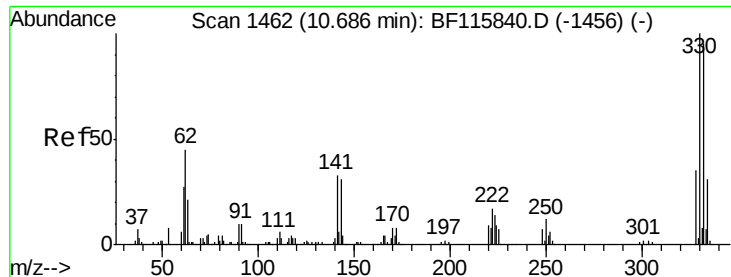
162 103.1 82.6 124.0

160 46.4 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: 15.694 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

Instrument :

BNA_F

ClientSampleId :

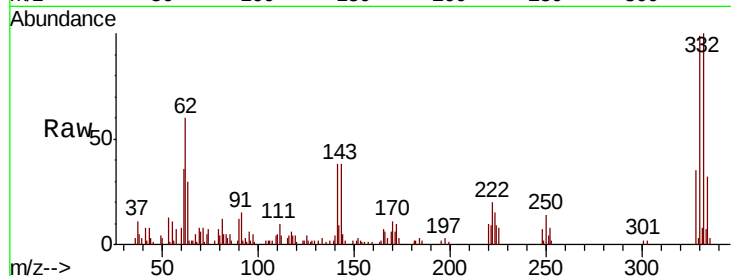
Tot Ion:330 Resp: 35807

Ion Ratio Lower Upper

330 100

332 97.6 76.8 115.2

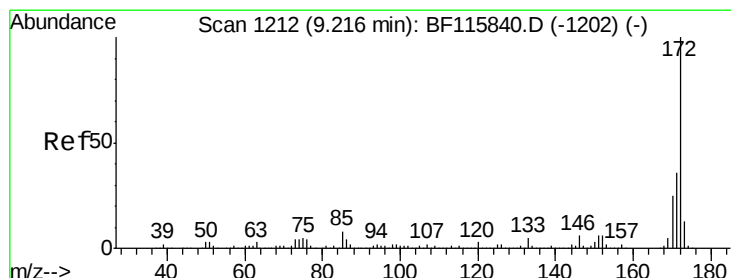
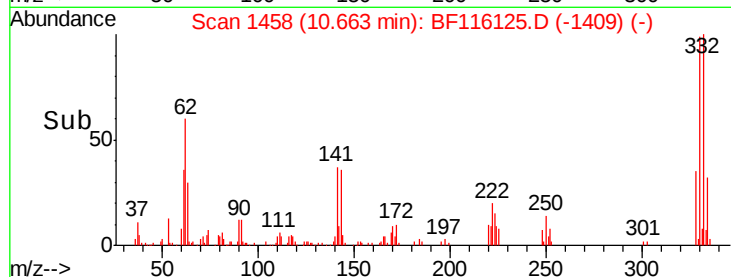
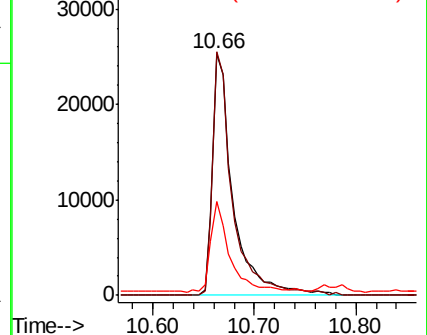
141 34.3 26.3 39.5



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: 16.385 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

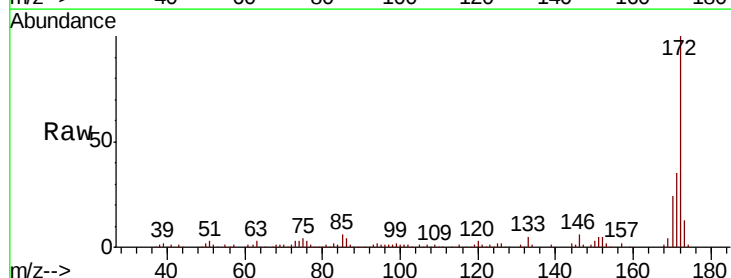
Tgt Ion:172 Resp: 205854

Ion Ratio Lower Upper

172 100

171 34.5 29.6 44.4

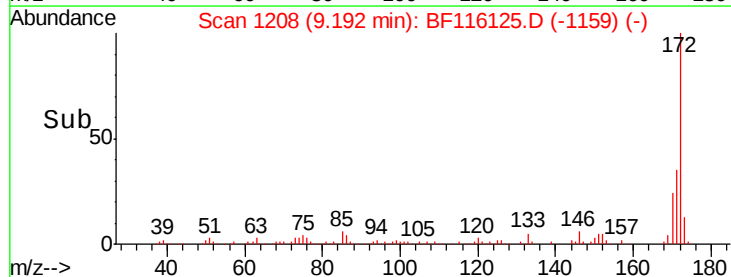
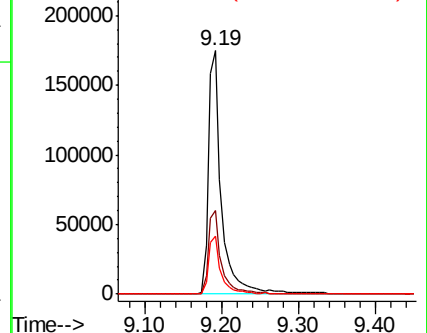
170 24.0 20.1 30.1

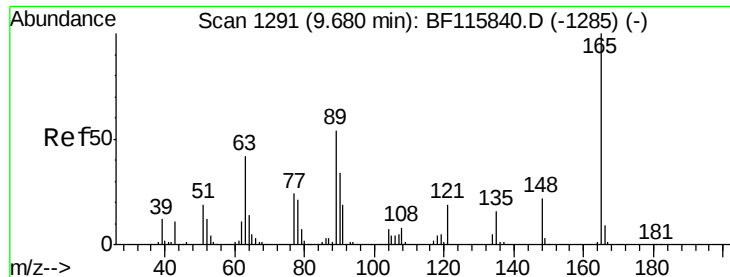


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

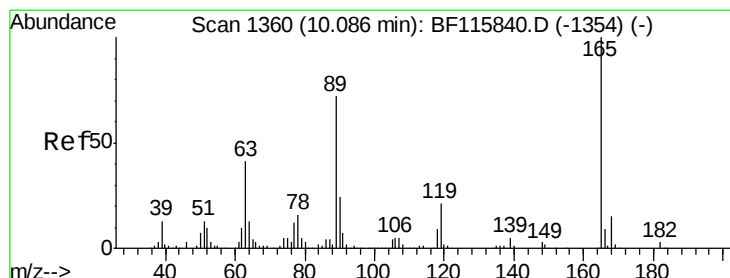
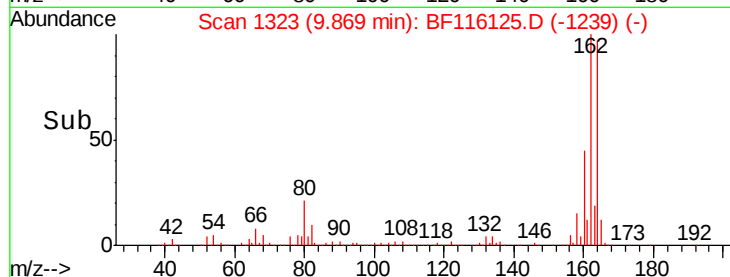
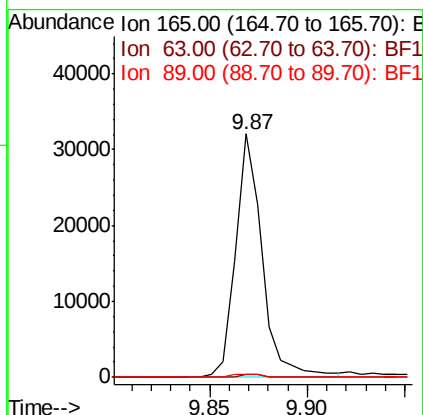
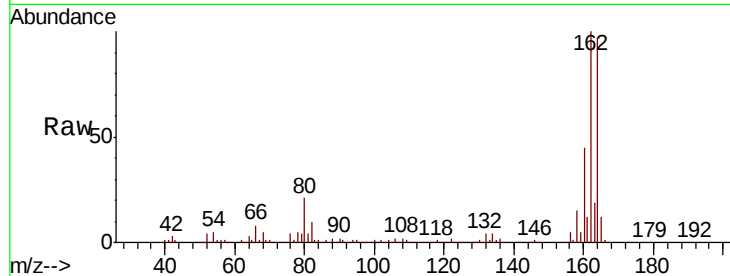




#51
 2,6-Dinitrotoluene
 Concen: 8.696 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116125.D
 Acq: 9 Aug 2019 21:06

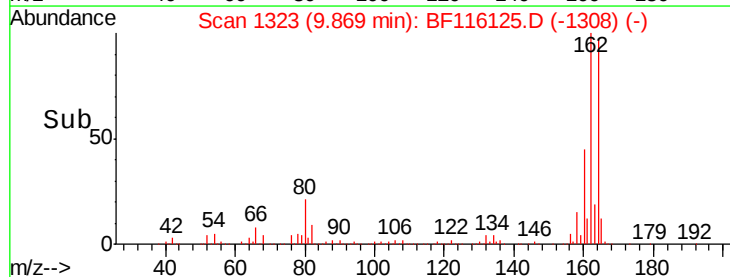
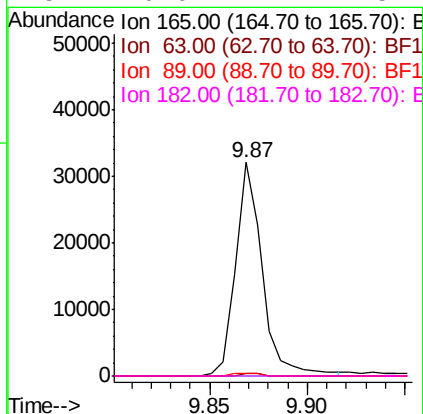
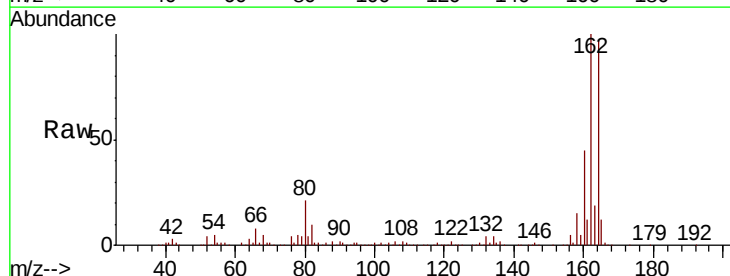
Instrument :
 BNA_F
 ClientSampleId :

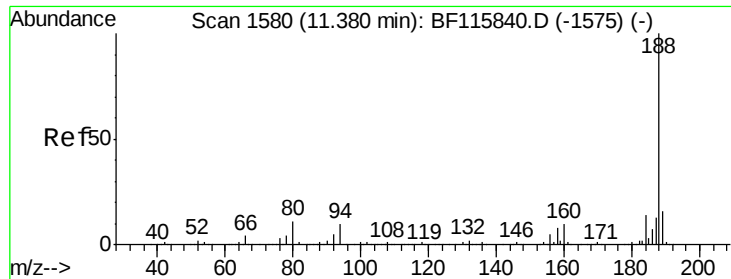
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.4	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.531 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116125.D
 Acq: 9 Aug 2019 21:06

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#

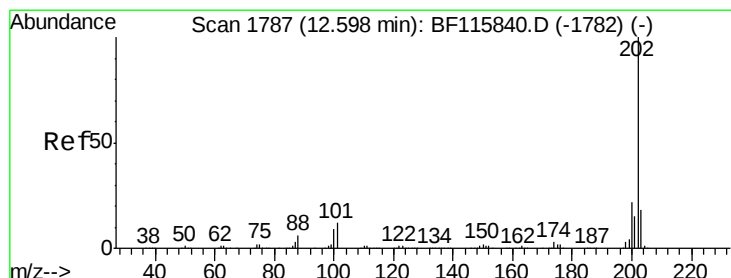
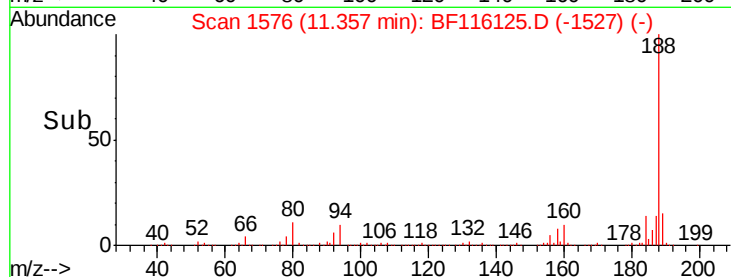
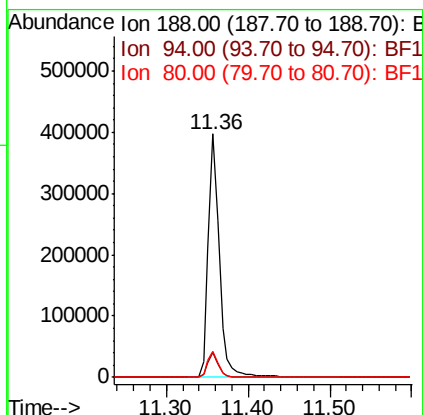
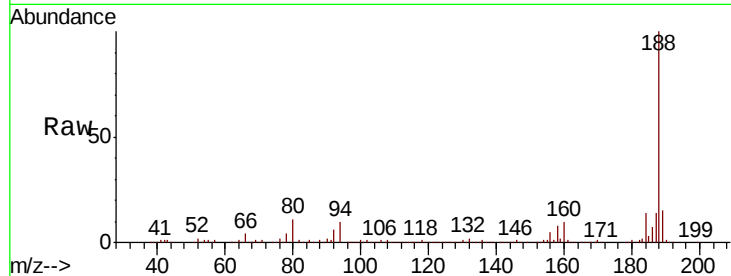




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116125.D
Acq: 9 Aug 2019 21:06

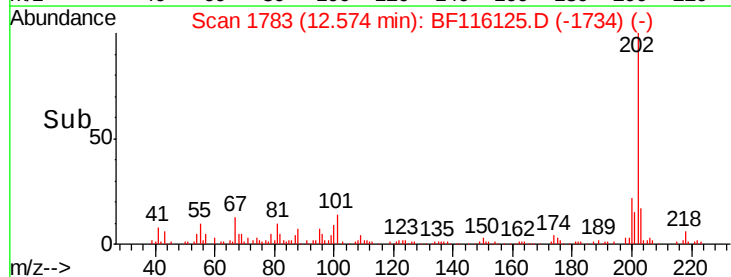
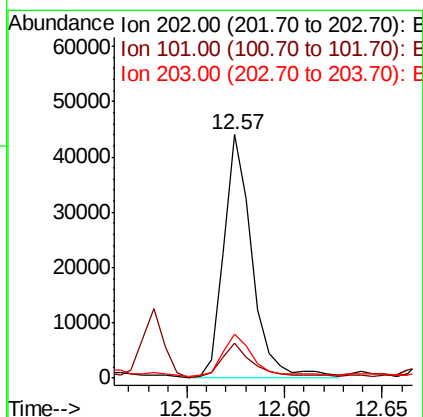
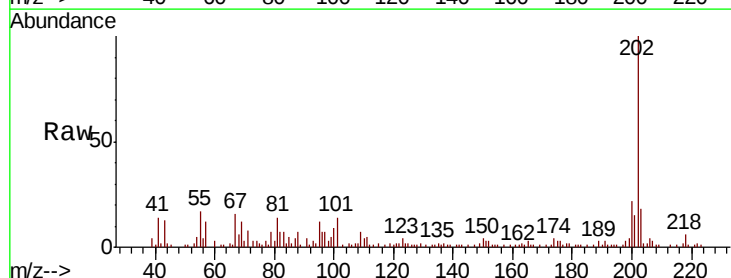
Instrument :
BNA_F
ClientSampled :

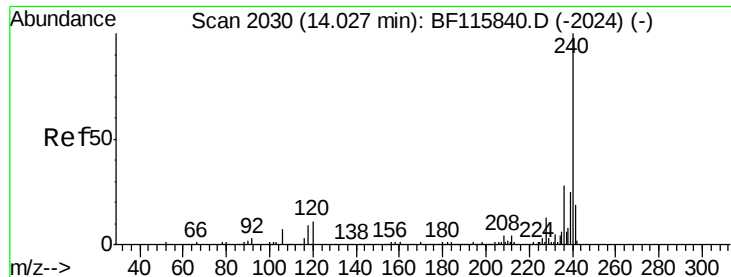
Tot Ion:188 Resp: 377246
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 10.9 8.7 13.1



#75
Fluoranthene
Concen: 2.213 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116125.D
Acq: 9 Aug 2019 21:06

Tgt Ion:202 Resp: 44674
Ion Ratio Lower Upper
202 100
101 14.3 0.0 31.2
203 18.3 0.0 37.8

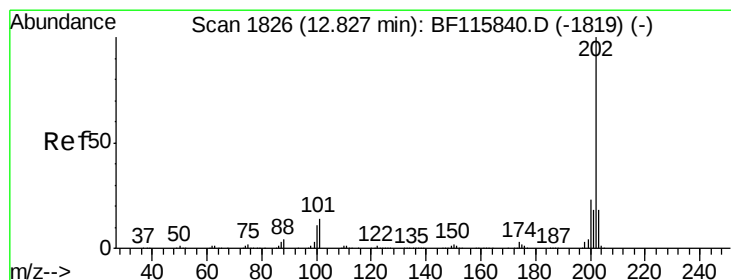
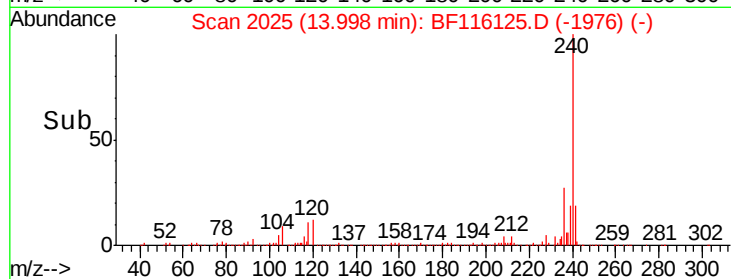
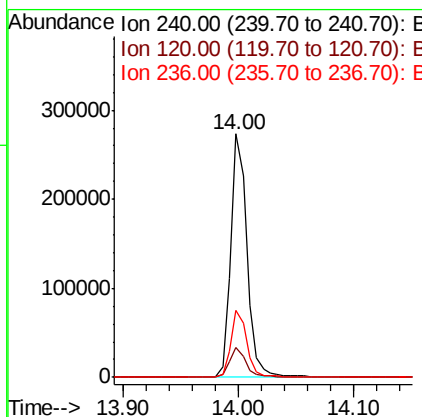
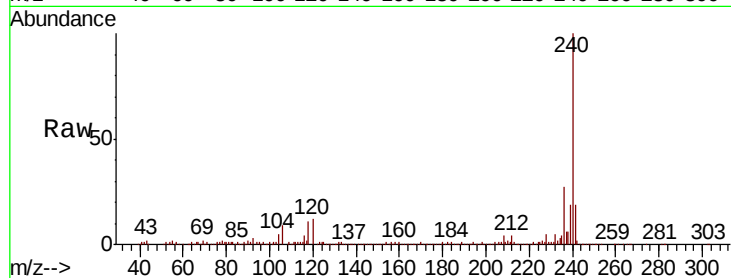




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116125.D
 Acq: 9 Aug 2019 21:06

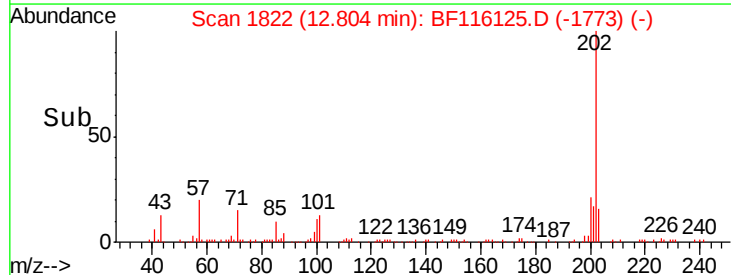
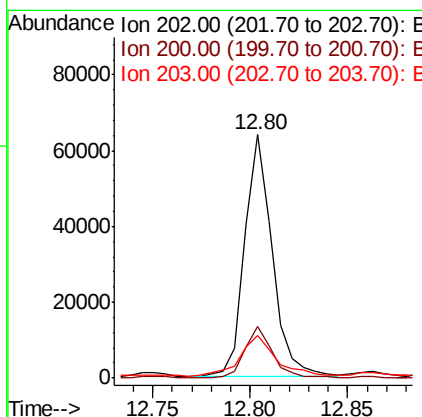
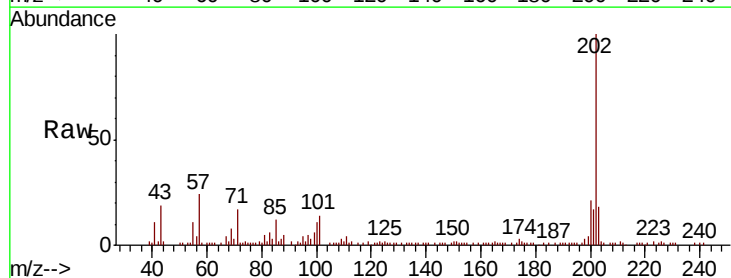
Instrument :
 BNA_F
 ClientSampleId :

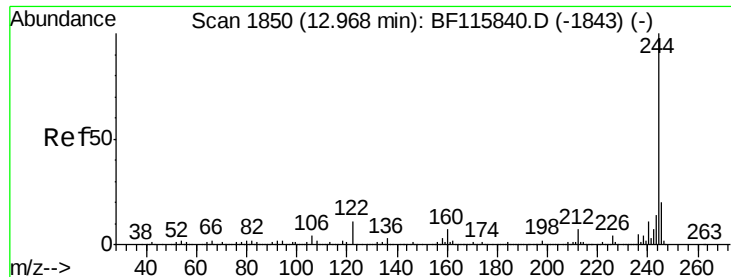
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.7	16.1
236	27.3	22.2	33.2



#78
 Pyrene
 Concen: 3.117 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF116125.D
 Acq: 9 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	17.7	14.1	21.1





#79

Terphenyl-d14

Concen: 14.441 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

Instrument :

BNA_F

ClientSampleId :

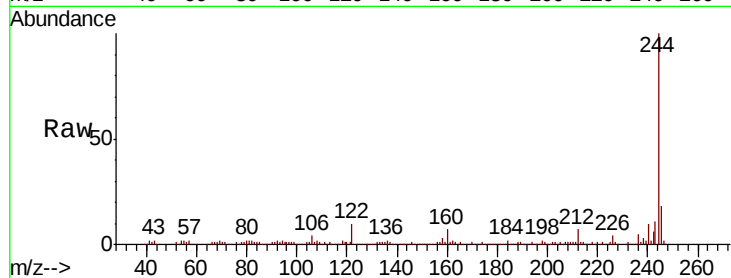
Tot Ion:244 Resp: 182730

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

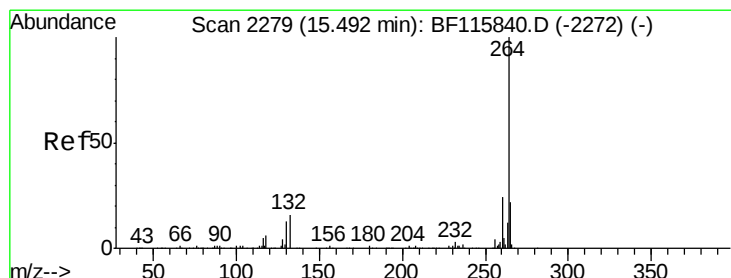
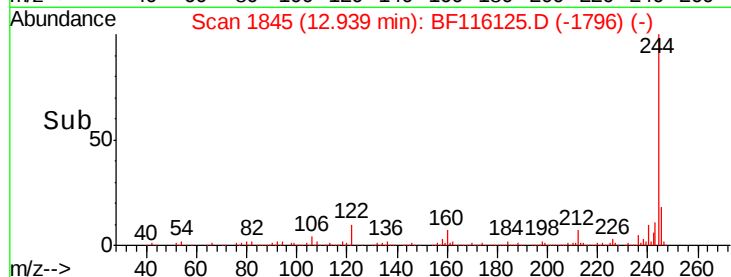
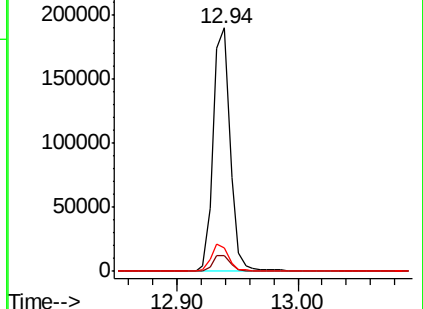
122 9.9 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116125.D

Acq: 9 Aug 2019 21:06

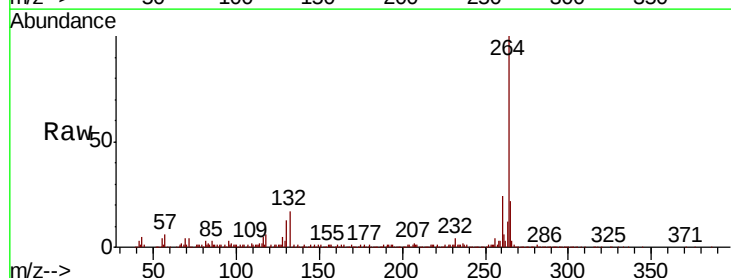
Tgt Ion:264 Resp: 319165

Ion Ratio Lower Upper

264 100

260 23.6 19.7 29.5

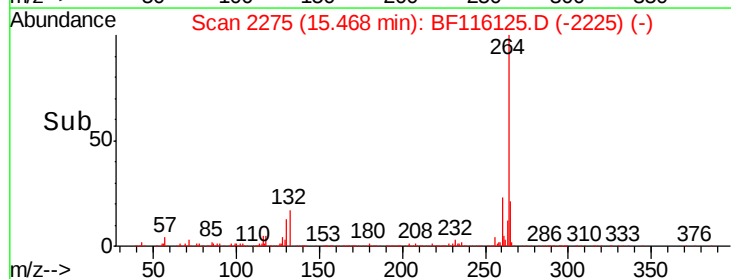
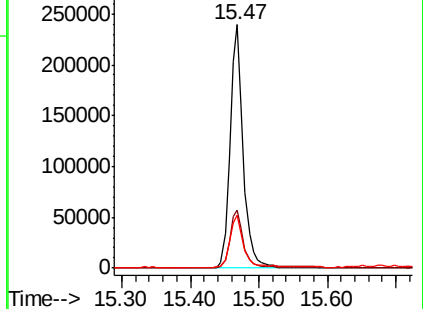
265 21.5 17.4 26.0

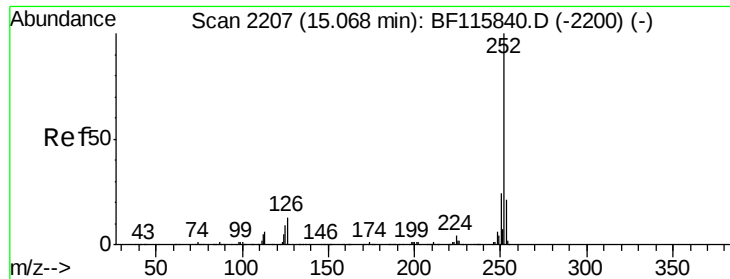


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

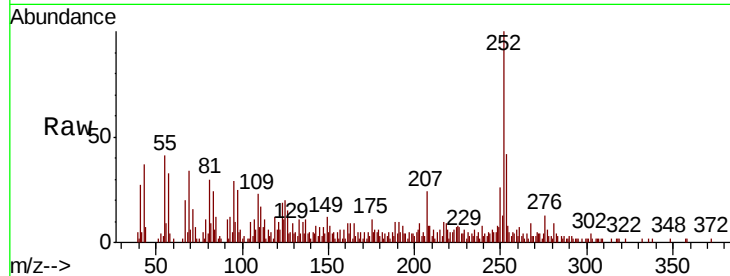




#88
Benzo(b)fluoranthene
Concen: 2.014 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116125.D
Acq: 9 Aug 2019 21:06

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	41.7	17.8	26.8#
125	20.1	8.4	12.6#

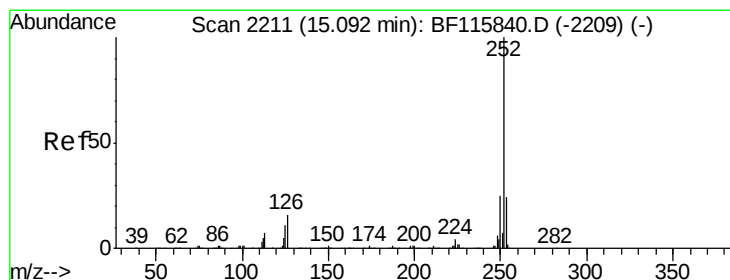
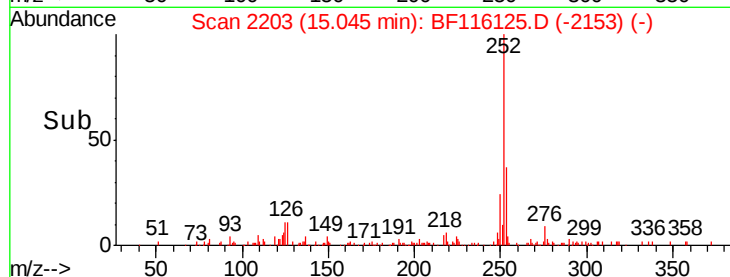
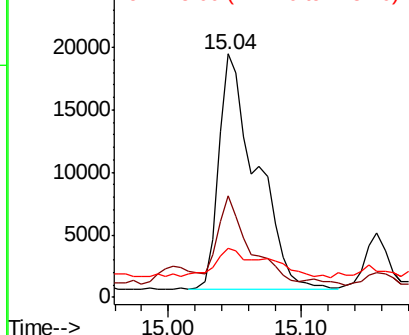


Abundance

Ion 252.00 (251.70 to 252.70): E

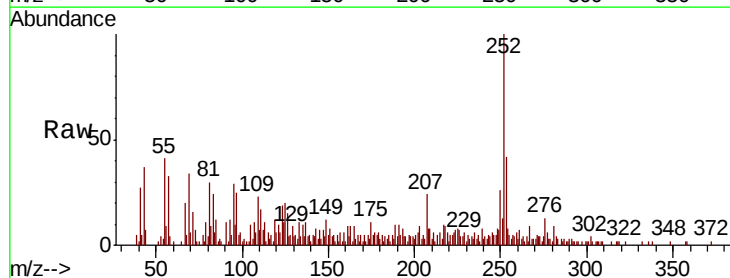
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.067 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116125.D
Acq: 9 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.7	17.8	26.8#
125	20.1	7.7	11.5#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

