

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115689.D
 Acq On : 19 Jul 2019 23:11
 Operator : HP/JU
 Sample : K3615-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 04:00:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

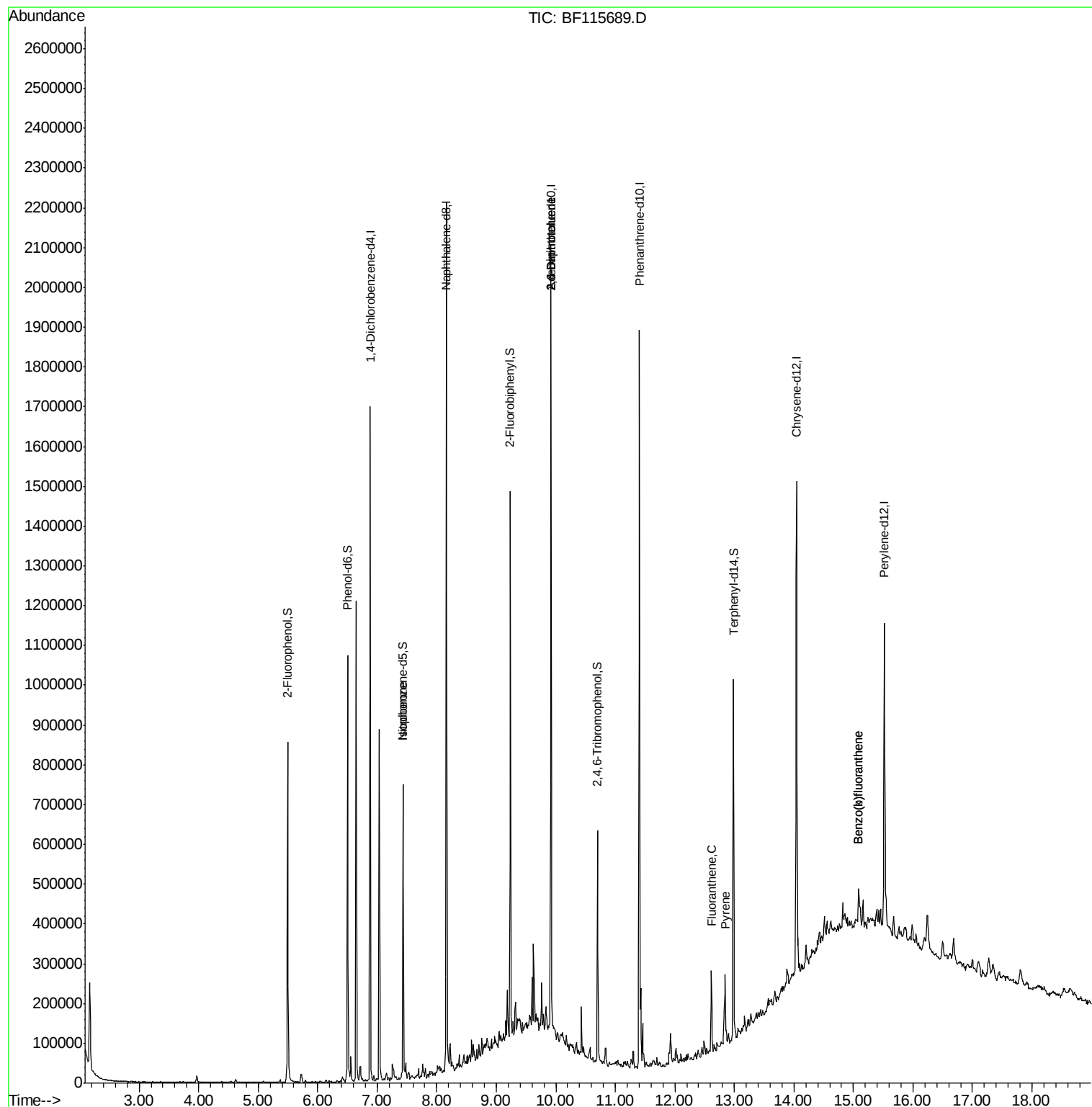
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	229649	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	896179	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	397531	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	611898	20.00	ng	0.00
76) Chrysene-d12	14.04	240	386537	20.00	ng	0.00
87) Perylene-d12	15.52	264	361676	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	260742	18.57	ng	-0.01
7) Phenol-d6	6.50	99	370230	20.78	ng	-0.01
23) Nitrobenzene-d5	7.43	82	227080	14.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	67529	14.55	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	421654	18.56	ng	-0.02
79) Terphenyl-d14	12.99	244	297641	14.21	ng	-0.01
Target Compounds						
25) Isophorone	7.43	82	221212	7.173	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	52267	7.690	ng	# 28
57) 2,4-Dinitrotoluene	9.92	165	52267	5.935	ng	# 24
75) Fluoranthene	12.62	202	73641	2.222	ng	100
78) Pyrene	12.84	202	66811	2.040	ng	96
88) Benzo(b)fluoranthene	15.09	252	53635	2.303	ng	# 82
89) Benzo(k)fluoranthene	15.09	252	53635	2.583	ng	# 84

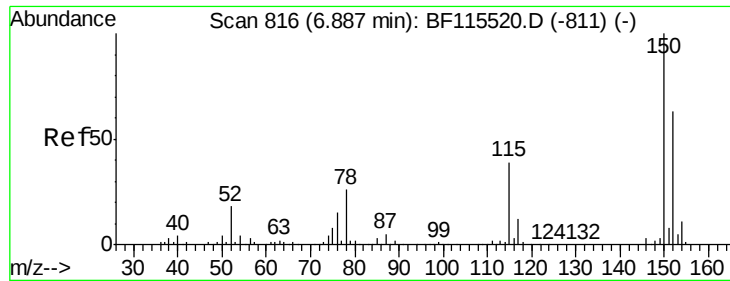
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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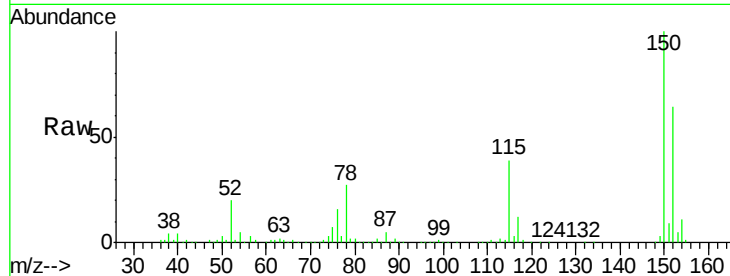


#1

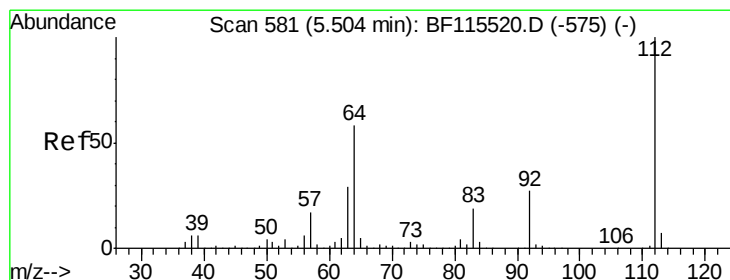
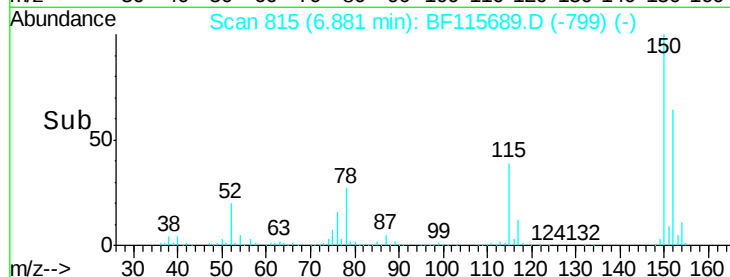
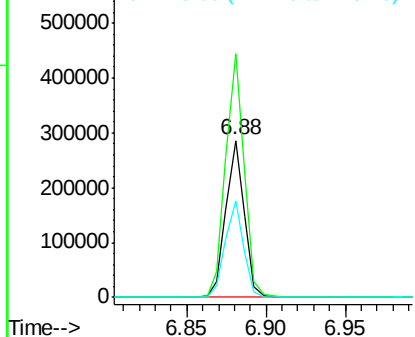
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 229649
Ion Ratio Lower Upper
152 100
150 155.1 129.7 194.5
115 61.2 48.2 72.4



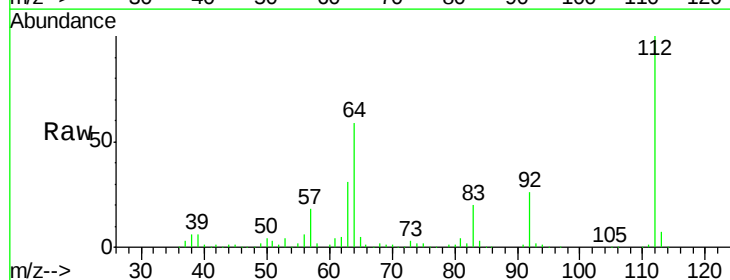
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



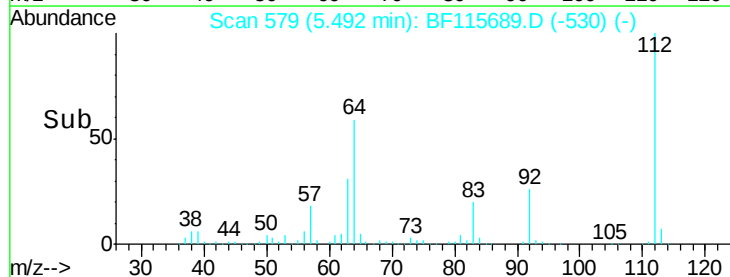
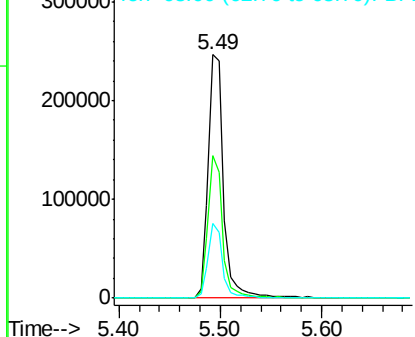
#5

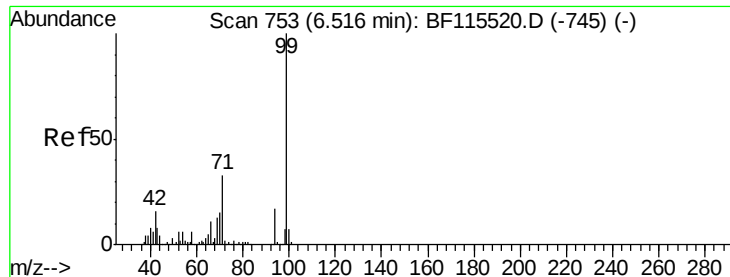
2-Fluorophenol
Concen: 18.572 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

Tgt Ion:112 Resp: 260742
Ion Ratio Lower Upper
112 100
64 58.6 46.8 70.2
63 30.5 24.1 36.1



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: 20.782 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115689.D

Acq: 19 Jul 2019 23:11

Instrument :

BNA_F

ClientSampleId :

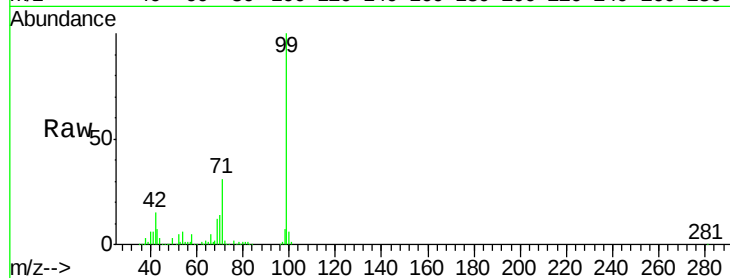
Tot Ion: 99 Resp: 370230

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

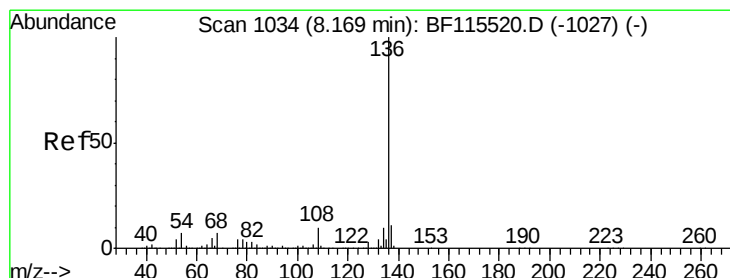
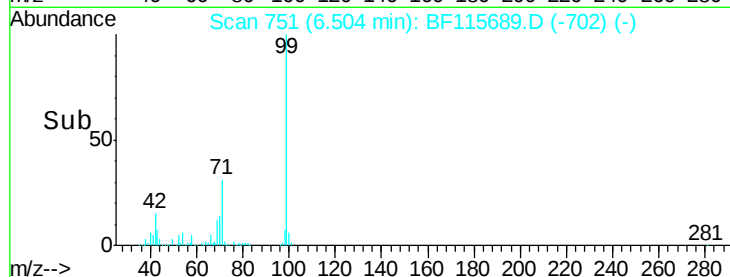
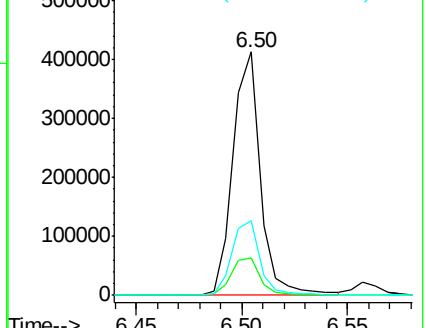
71 30.6 28.5 42.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115689.D

Acq: 19 Jul 2019 23:11

Tgt Ion: 136 Resp: 896179

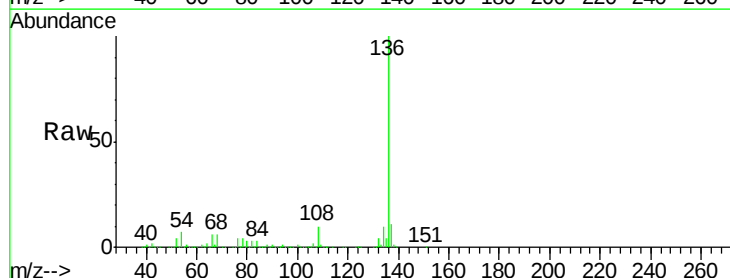
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.3 5.6 8.4

68 6.5 5.0 7.6

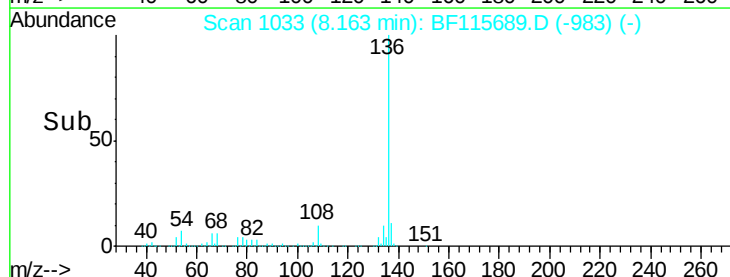
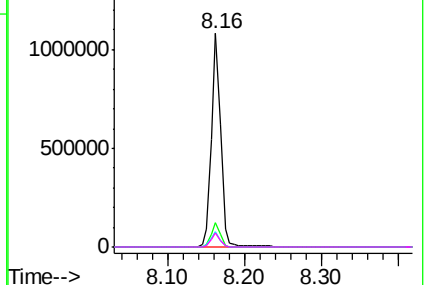


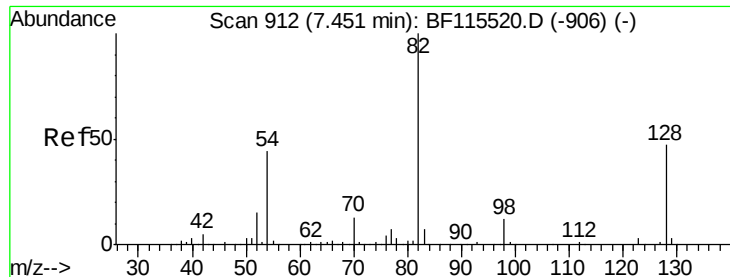
Abundance Ion 136.00 (135.70 to 136.70): E

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

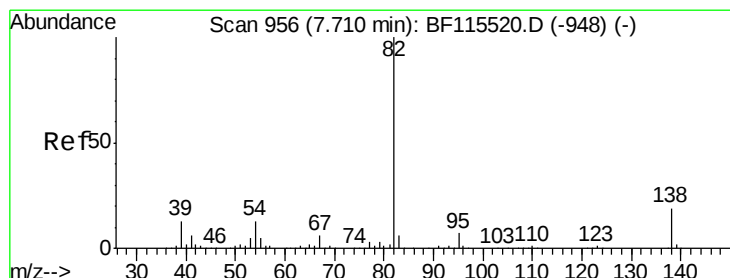
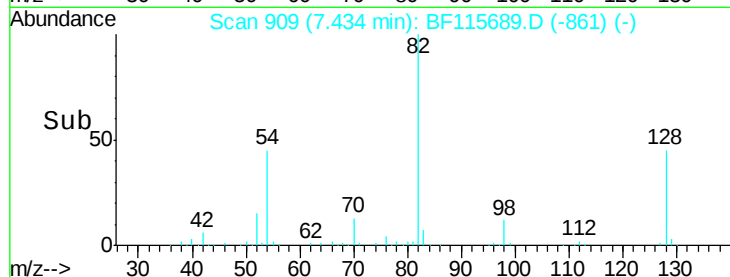
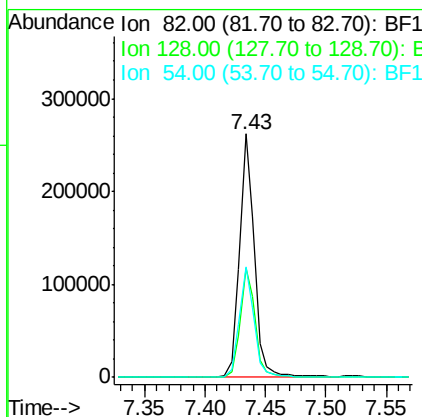
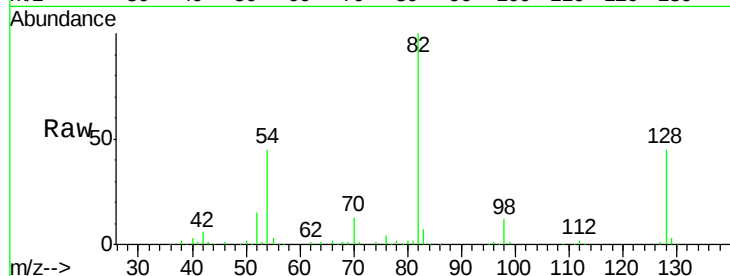




#23
Nitrobenzene-d5
Concen: 14.734 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

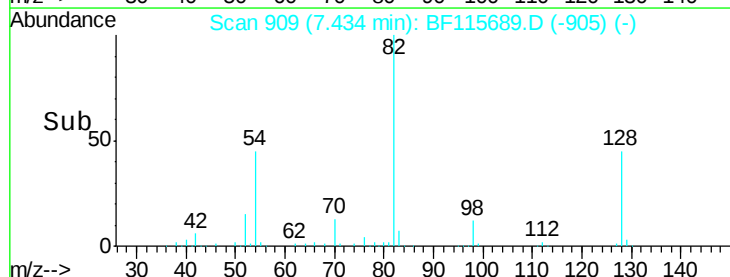
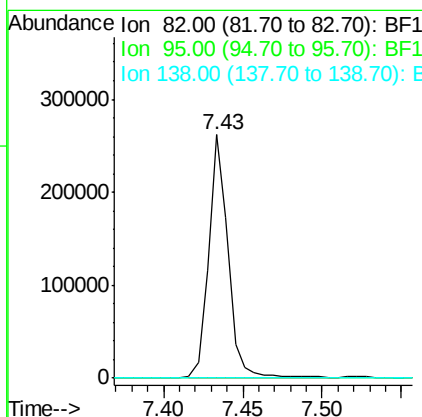
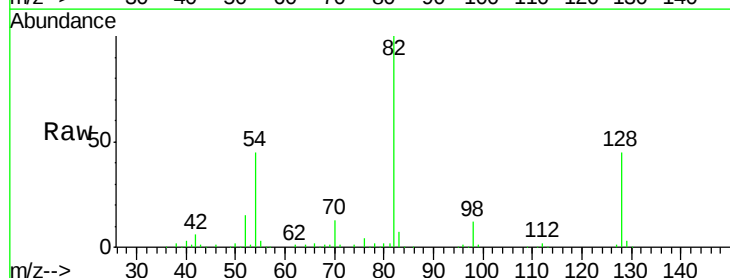
Instrument :
BNA_F
ClientSampleId :

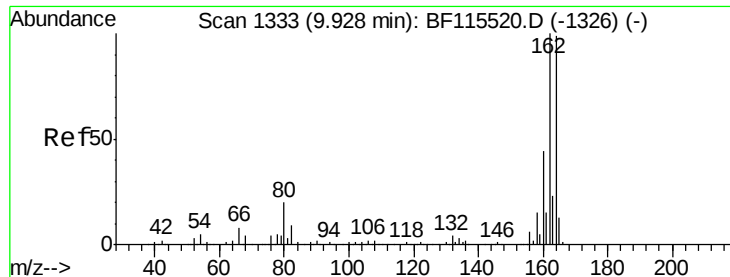
Tot Ion: 82 Resp: 227080
Ion Ratio Lower Upper
82 100
128 44.9 38.6 57.8
54 45.3 35.6 53.4



#25
Isophorone
Concen: 7.173 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.28 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

Tgt Ion: 82 Resp: 221212
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 14.9 22.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115689.D

Acq: 19 Jul 2019 23:11

Instrument :

BNA_F

ClientSampleId :

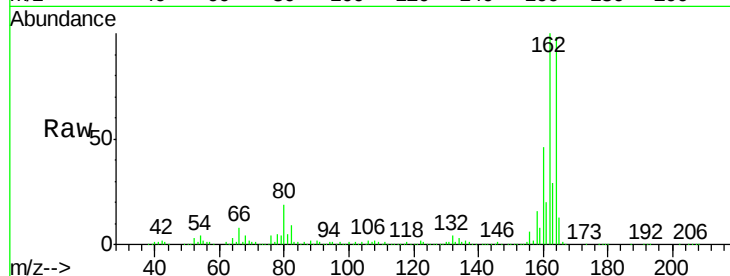
Tot Ion:164 Resp: 397531

Ion Ratio Lower Upper

164 100

162 102.3 82.9 124.3

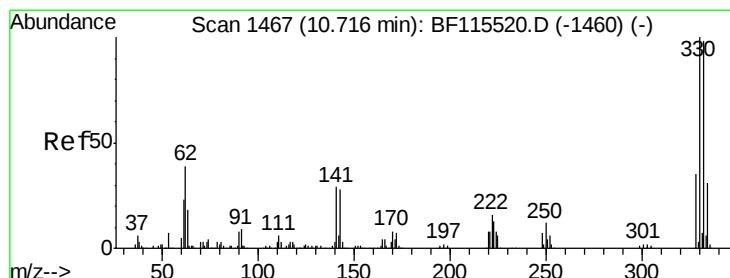
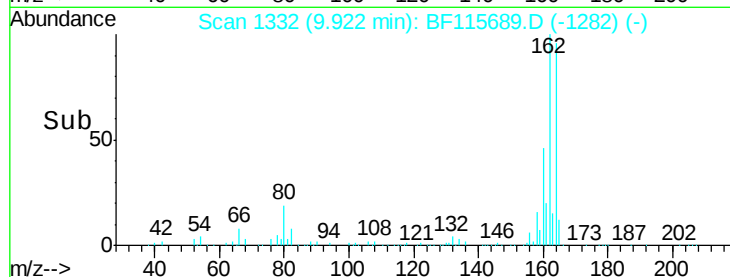
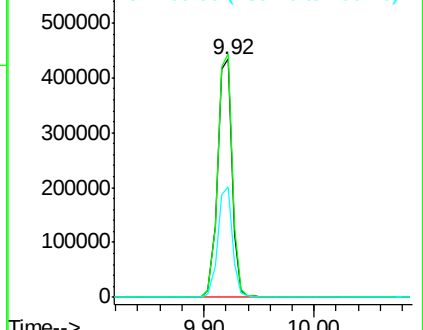
160 46.7 36.8 55.2



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: 14.553 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115689.D

Acq: 19 Jul 2019 23:11

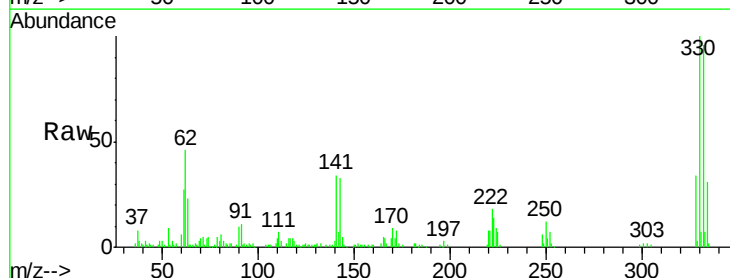
Tgt Ion:330 Resp: 67529

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

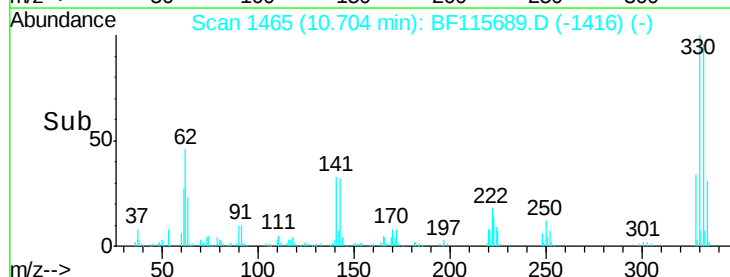
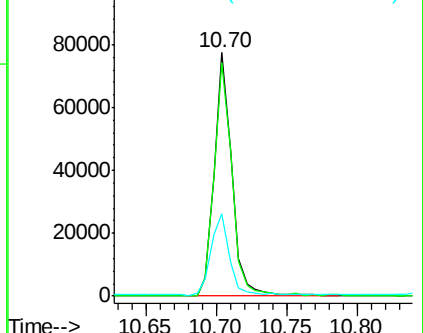
141 35.0 22.4 33.6#

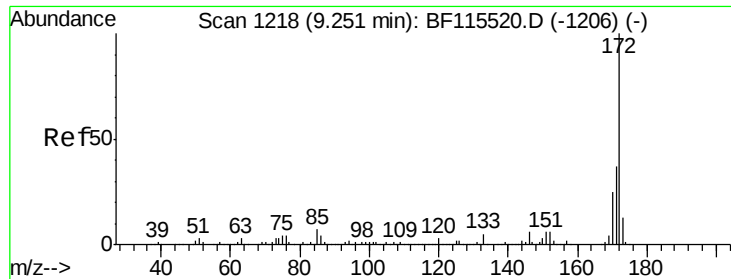


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

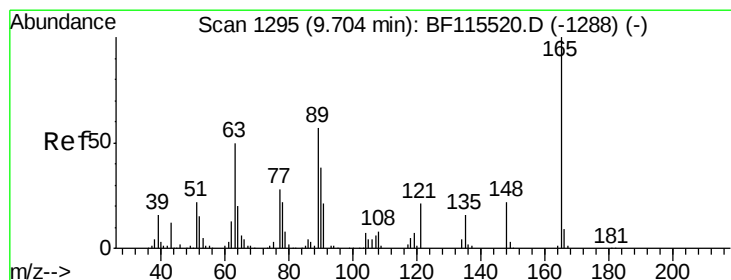
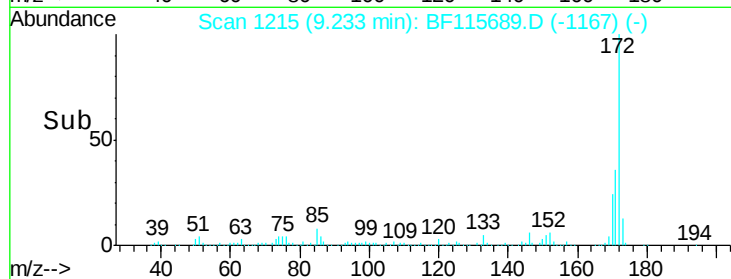
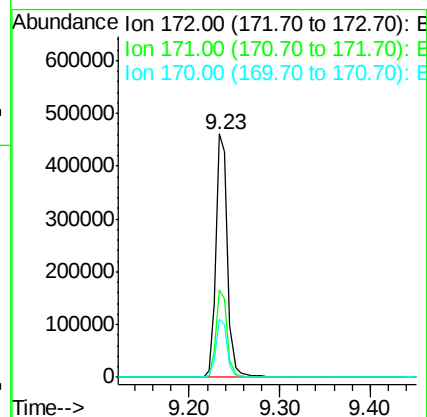
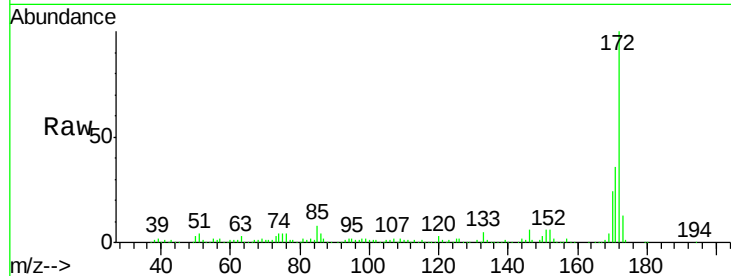




#45
 2-Fluorobiphenyl
 Concen: 18.565 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115689.D
 Acq: 19 Jul 2019 23:11

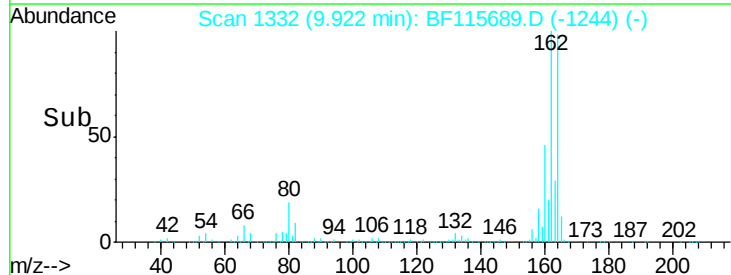
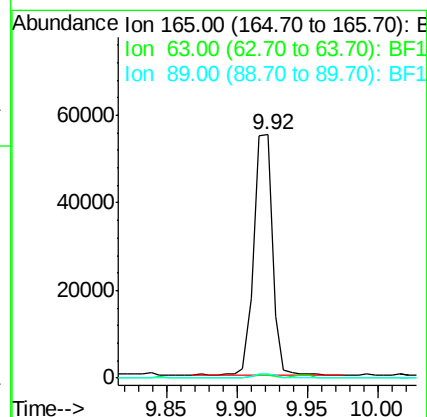
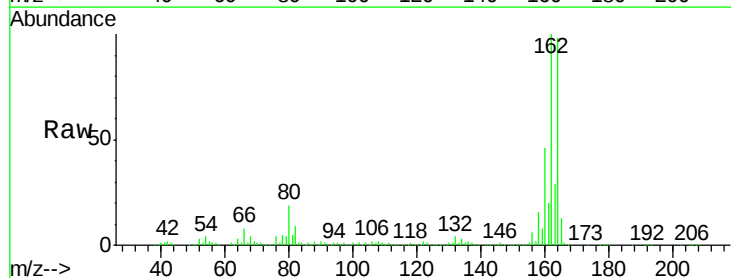
Instrument :
 BNA_F
 ClientSampleId :

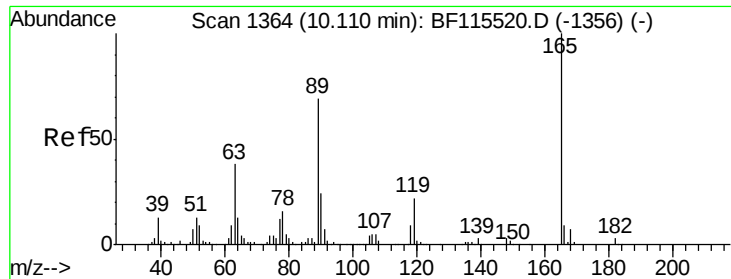
Tot Ion:172 Resp: 421654
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.6 46.0
 170 24.0 20.5 30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.690 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF115689.D
 Acq: 19 Jul 2019 23:11

Tgt Ion:165 Resp: 52267
 Ion Ratio Lower Upper
 165 100
 63 1.4 40.6 61.0#
 89 1.8 43.9 65.9#

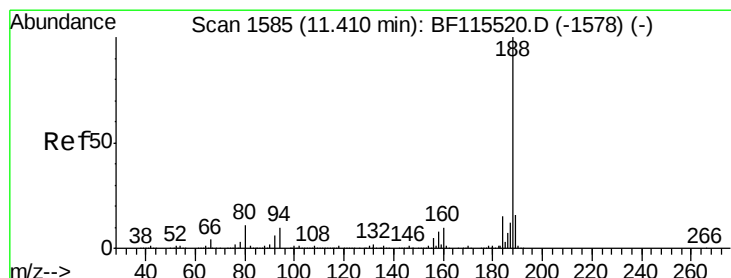
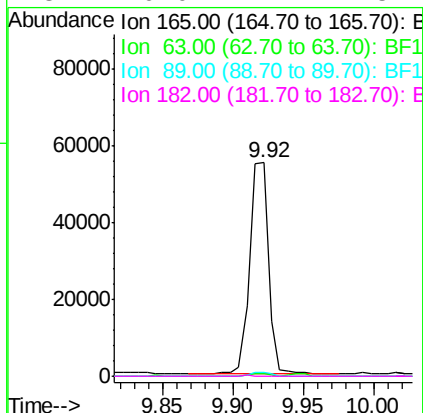
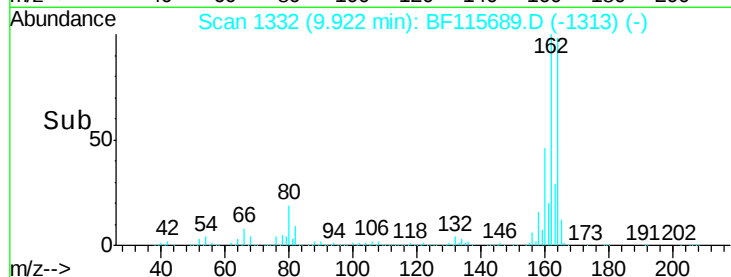
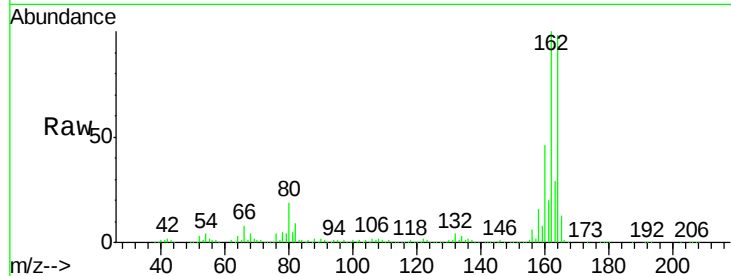




#57
 2,4-Dinitrotoluene
 Concen: 5.935 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF115689.D
 Acq: 19 Jul 2019 23:11

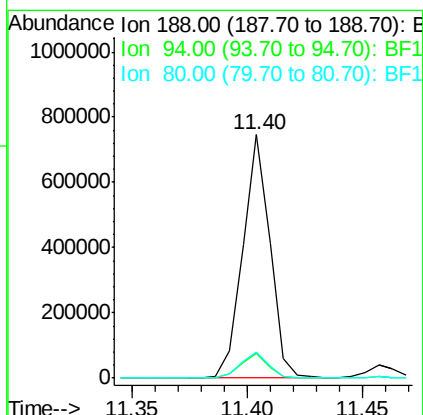
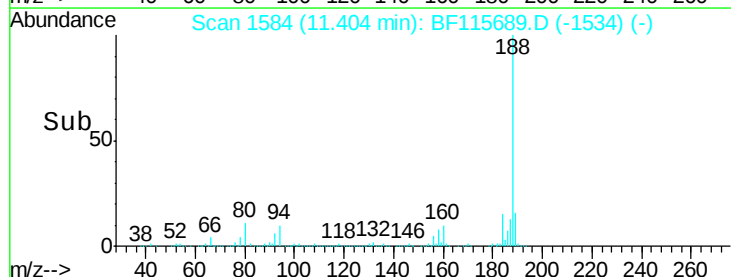
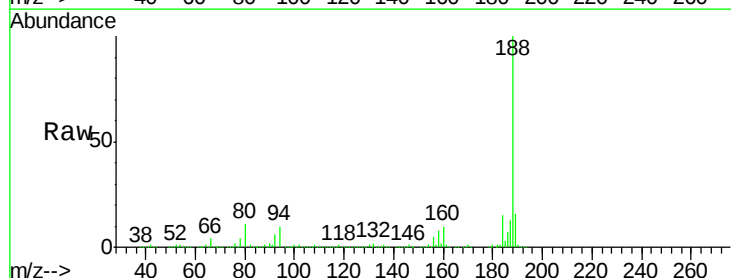
Instrument :
 BNA_F
 ClientSampleId :

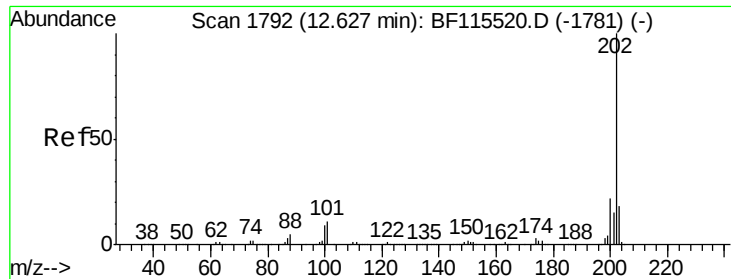
Tot Ion:165	Resp:	52267
Ion Ratio	Lower	Upper
165 100		
63 1.4	34.9	52.3#
89 1.8	57.5	86.3#
182 0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115689.D
 Acq: 19 Jul 2019 23:11

Tgt	Ion:188	Resp:	611898
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.5	8.6	13.0





#75

Fluoranthene

Concen: 2.222 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115689.D

Acq: 19 Jul 2019 23:11

Instrument :

BNA_F

ClientSampleId :

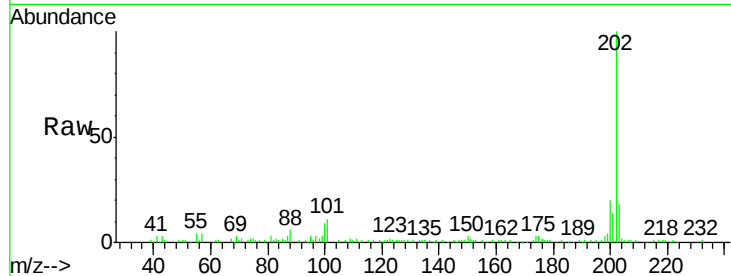
Tot Ion:202 Resp: 73641

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

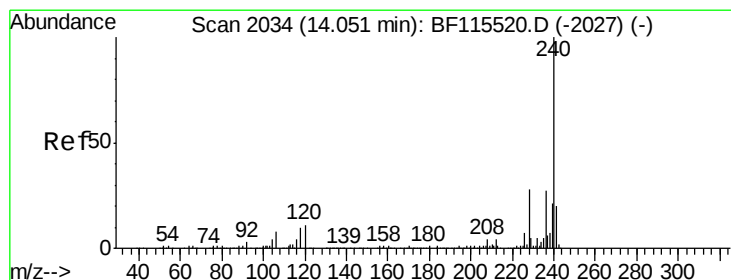
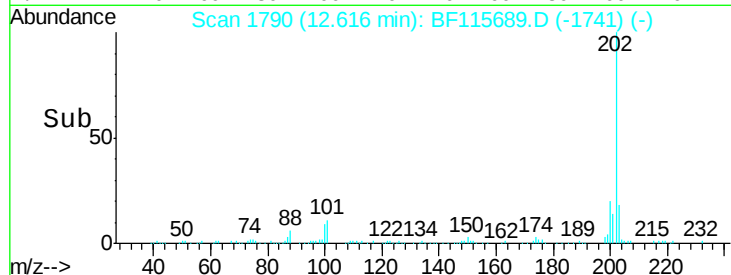
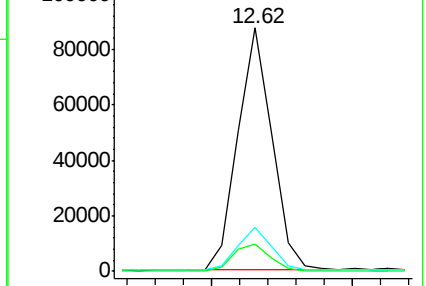
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115689.D

Acq: 19 Jul 2019 23:11

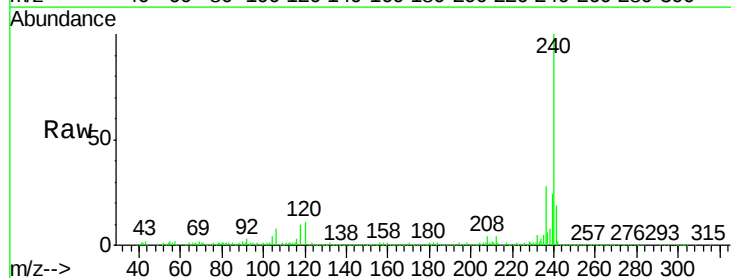
Tgt Ion:240 Resp: 386537

Ion Ratio Lower Upper

240 100

120 11.1 8.6 13.0

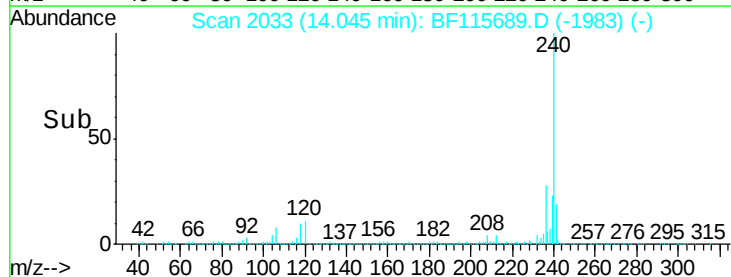
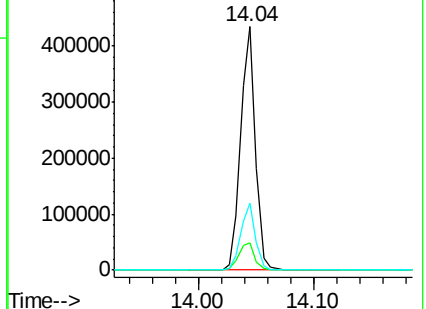
236 27.7 21.3 31.9

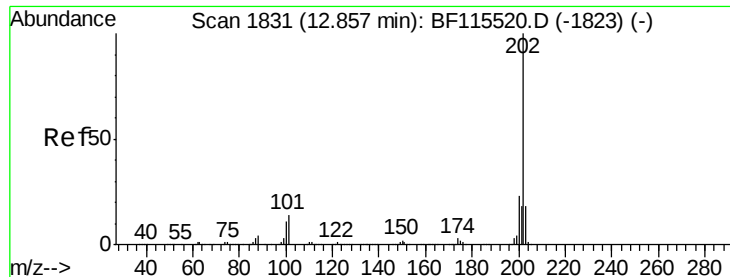


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

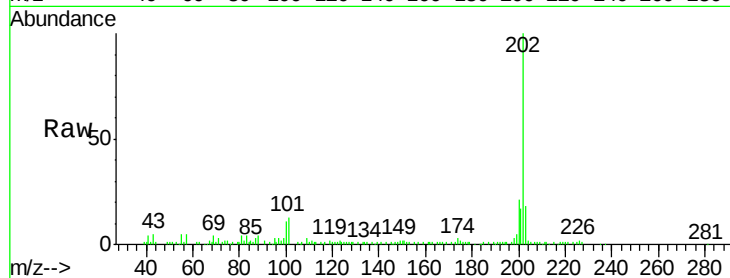




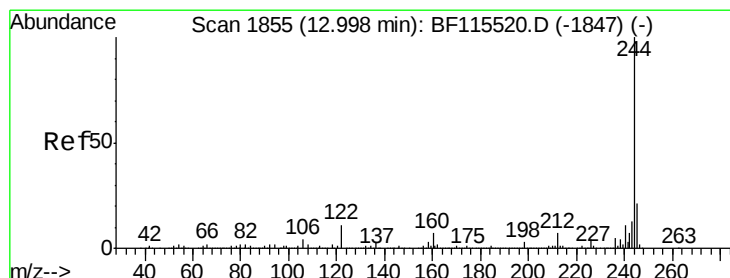
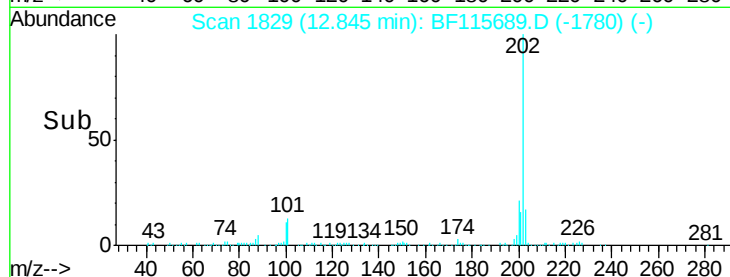
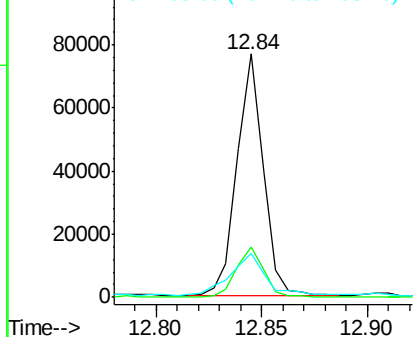
#78
Pvrene
Concen: 2.040 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 66811
Ion Ratio Lower Upper
202 100
200 20.8 18.7 28.1
203 18.1 15.2 22.8

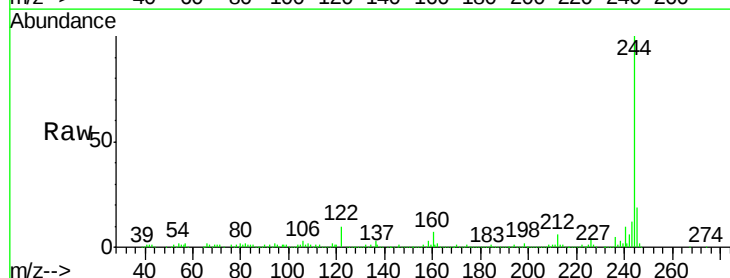


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

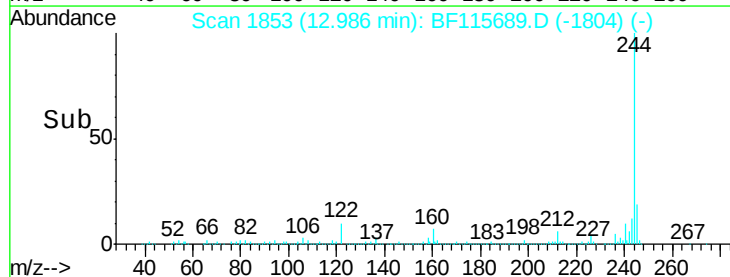
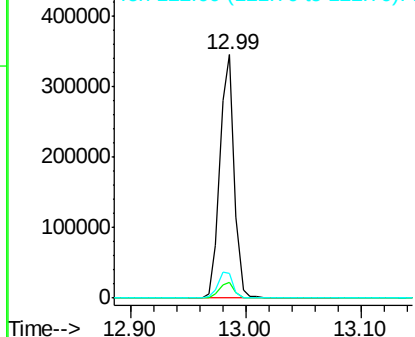


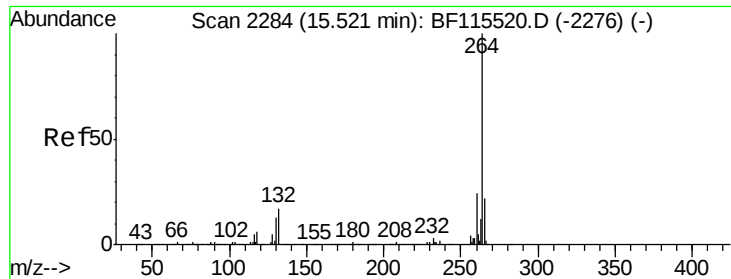
#79
Terphenyl-d14
Concen: 14.208 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

Tgt Ion:244 Resp: 297641
Ion Ratio Lower Upper
244 100
212 6.3 6.0 9.0
122 10.2 8.6 12.8



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

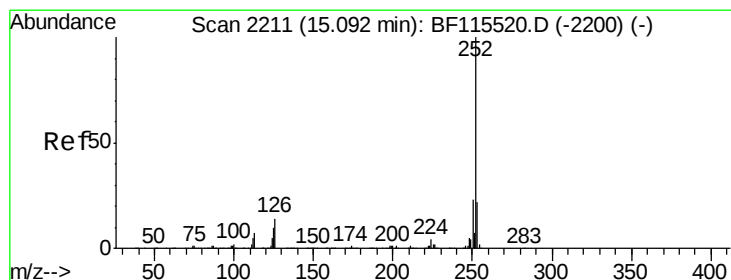
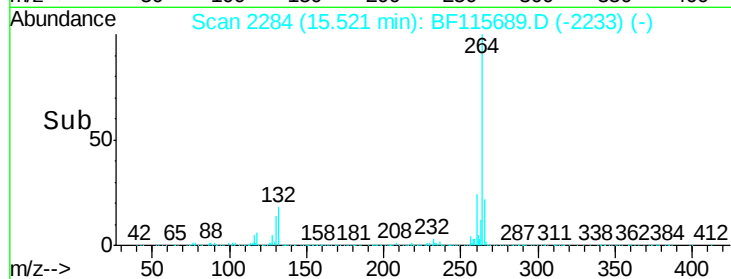
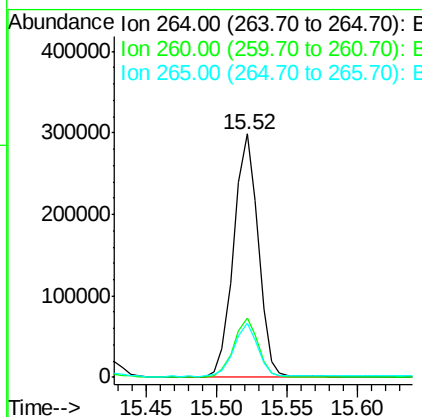
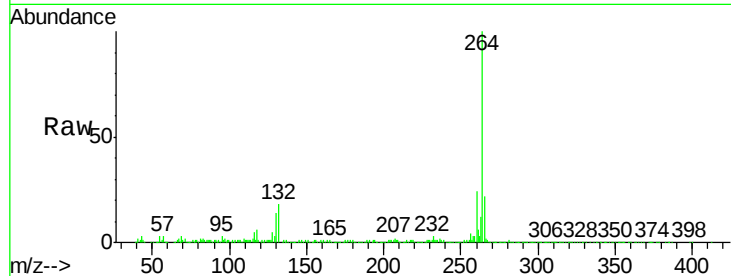




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

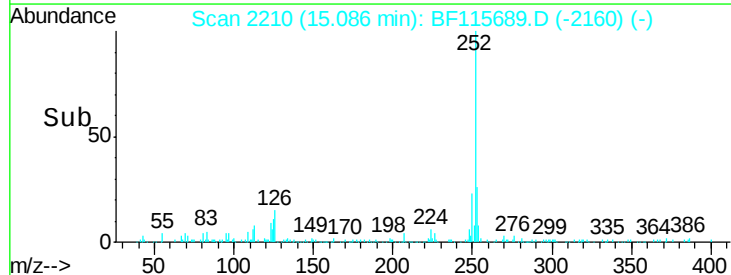
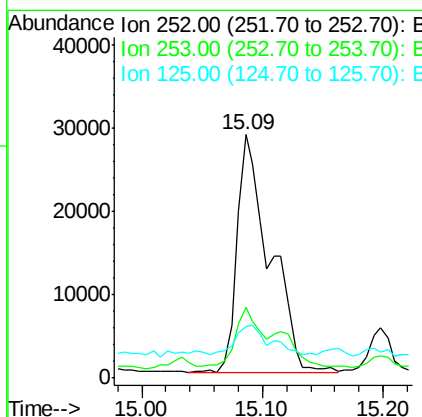
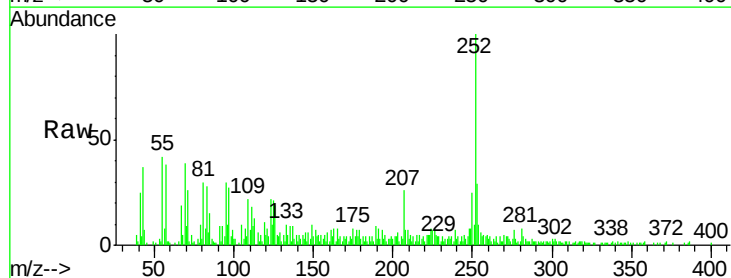
Instrument :
BNA_F
ClientSampleId :

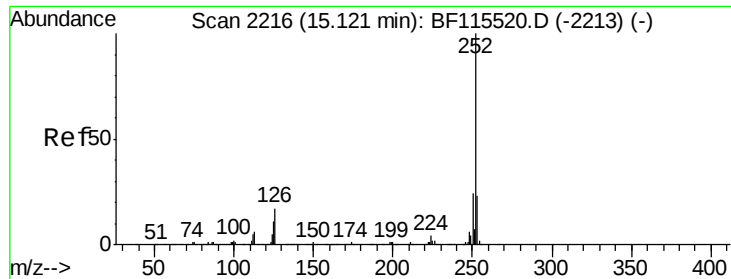
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	22.5	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 2.303 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115689.D
Acq: 19 Jul 2019 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.1	27.1#
125	21.3	9.0	13.4#

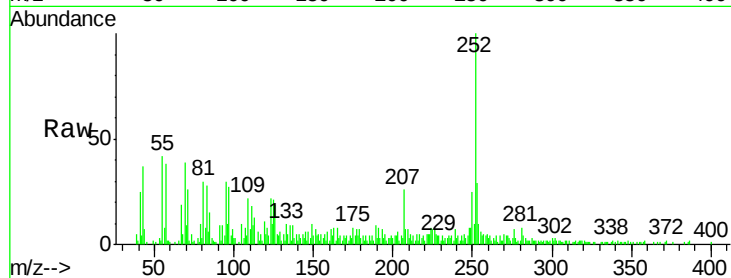




#89
 Benzo(k)fluoranthene
 Concen: 2.583 ng
 RT: 15.09 min Scan# 2210
 Delta R.T. -0.04 min
 Lab File: BF115689.D
 Acq: 19 Jul 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.6	28.0#
125	21.3	9.0	13.6#



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

