

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116685.D
 Acq On : 31 Aug 2019 7:22
 Operator : HP/JU
 Sample : K4575-14 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 11:16:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	104414	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	433730	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	218009	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	347459	20.00	ng	0.00
76) Chrysene-d12	13.99	240	245050	20.00	ng	0.00
87) Perylene-d12	15.44	264	259230	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	67591	10.49	ng	-0.01
7) Phenol-d6	6.46	99	94052	11.11	ng	-0.02
23) Nitrobenzene-d5	7.40	82	52326	6.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	14412	9.89	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	103998	8.05	ng	-0.01
79) Terphenyl-d14	12.94	244	91879	6.94	ng	-0.01

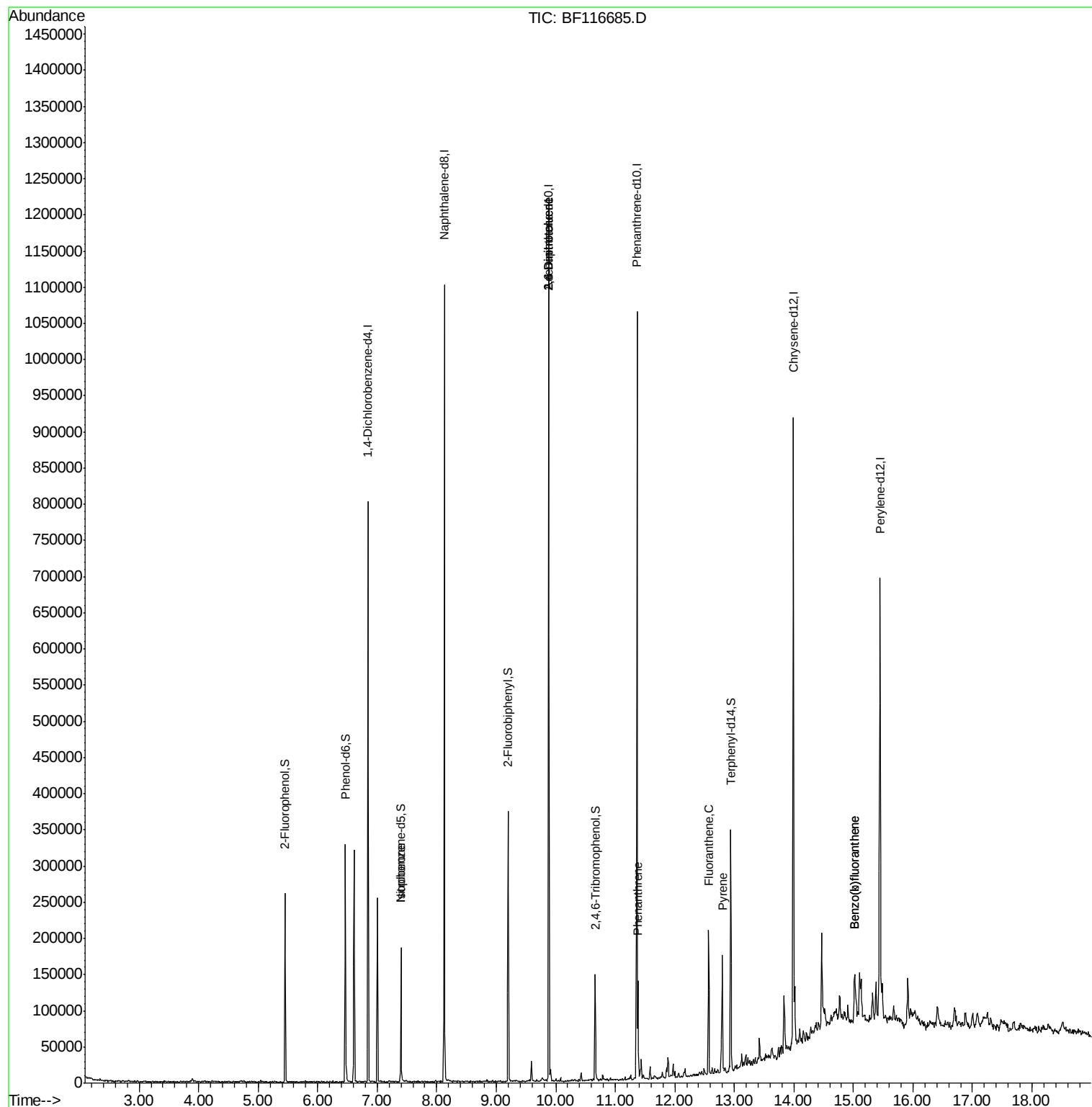
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	52325	3.399	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	27593	9.609	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	27593	7.858	ng	# 22
71) Phenanthrene	11.39	178	49461	2.557	ng	98
75) Fluoranthene	12.57	202	69990	3.682	ng	98
78) Pyrene	12.80	202	59254	2.720	ng	98
88) Benzo(b)fluoranthene	15.02	252	43637	2.784	ng	# 92
89) Benzo(k)fluoranthene	15.02	252	43637	3.054	ng	# 92

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

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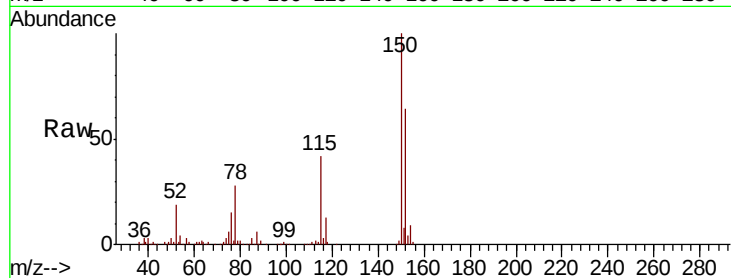


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.4	186.6
115	65.7	49.9	74.9

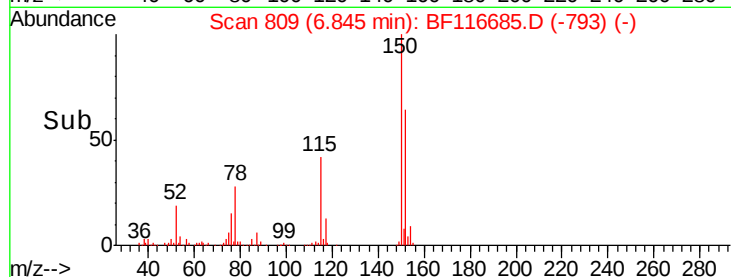
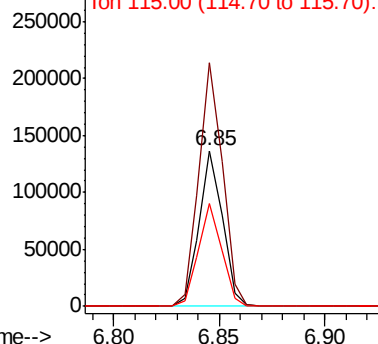


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

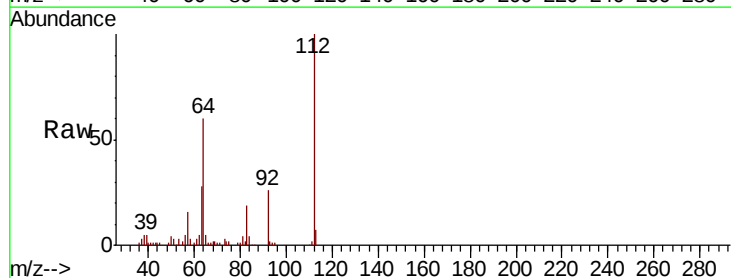
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.487 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.1	70.7
63	27.7	24.9	37.3

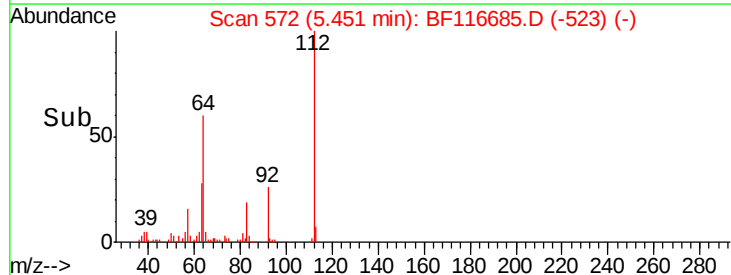
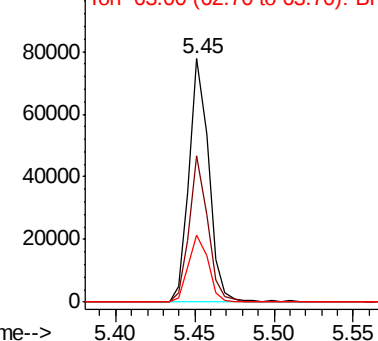


Abundance

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: 11.113 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116685.D

Acq: 31 Aug 2019 7:22

Instrument :

BNA_F

ClientSampleId :

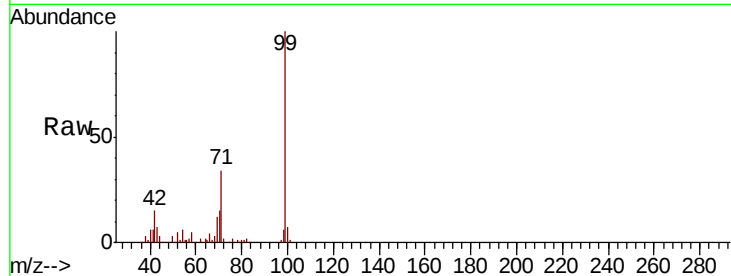
Tot Ion: 99 Resp: 94052

Ion Ratio Lower Upper

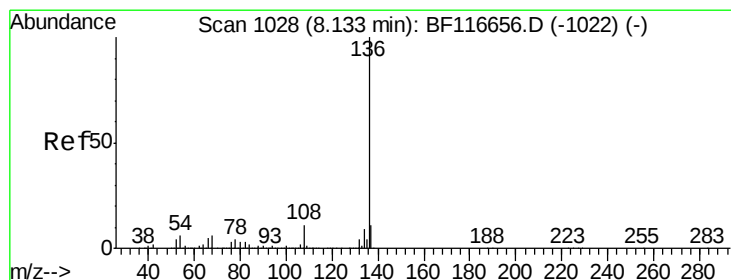
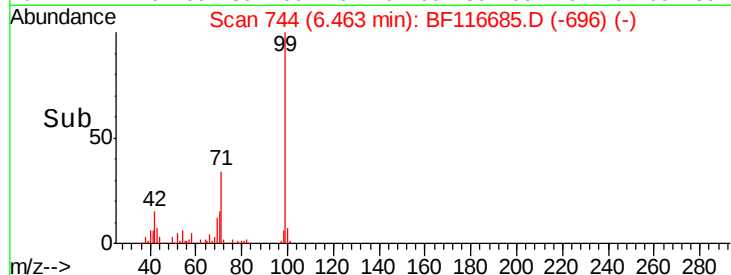
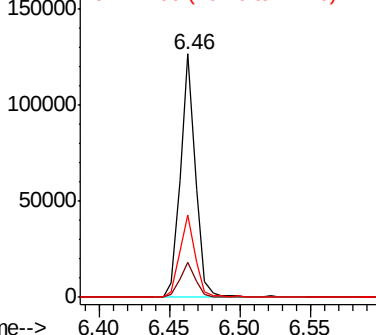
99 100

42 14.6 13.7 20.5

71 33.7 30.8 46.2



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116685.D

Acq: 31 Aug 2019 7:22

Tgt Ion: 136 Resp: 433730

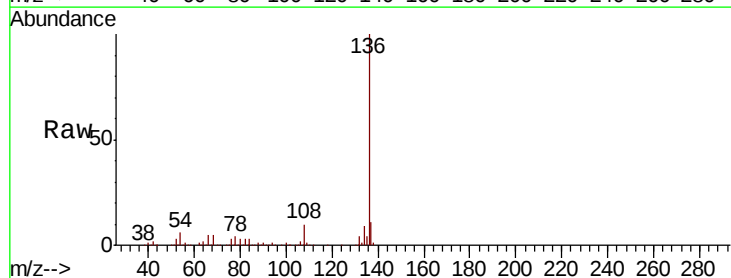
Ion Ratio Lower Upper

136 100

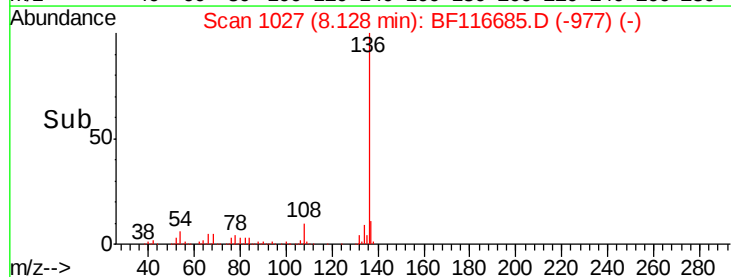
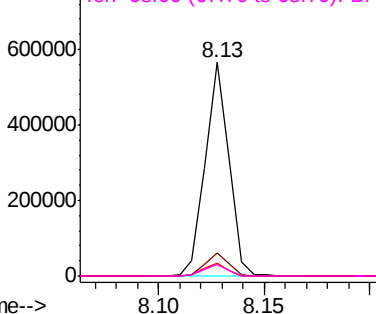
137 10.5 8.9 13.3

54 6.1 4.8 7.2

68 5.4 4.0 6.0



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

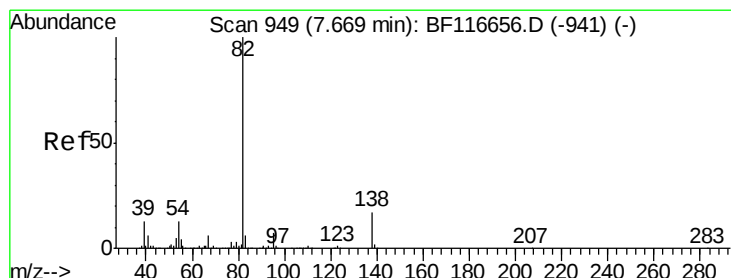
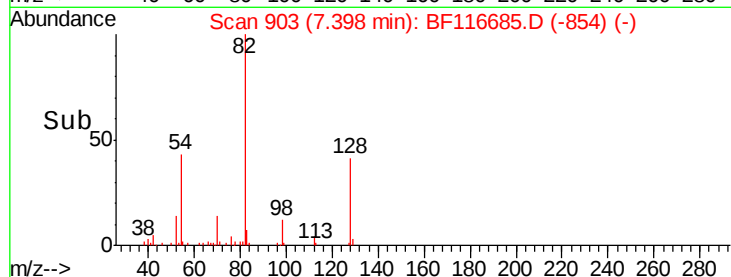
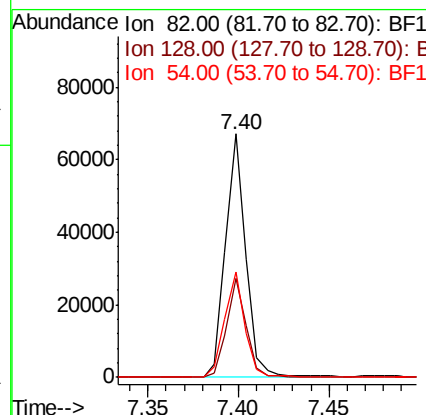
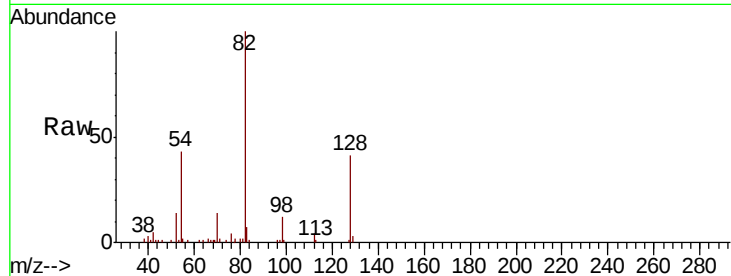




#23
Nitrobenzene-d5
Concen: 6.887 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

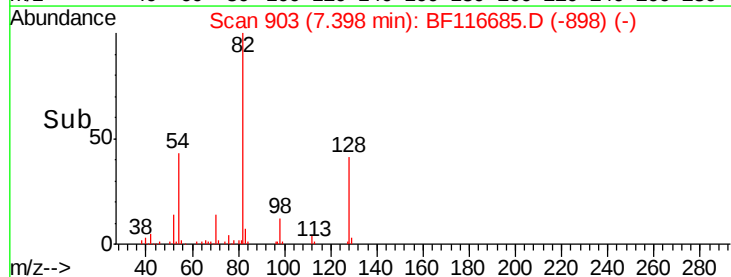
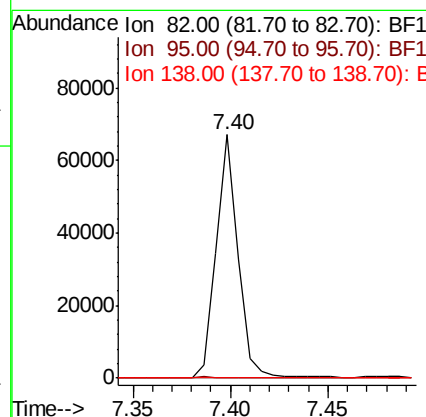
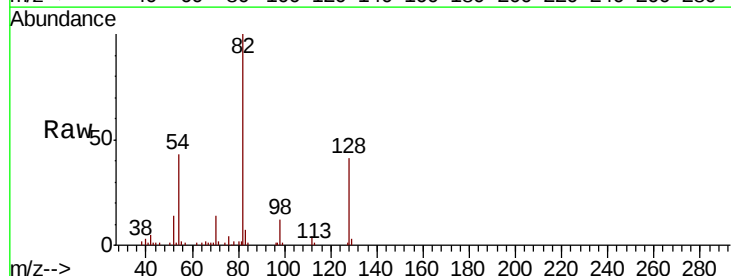
Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	52326
Ion Ratio	Lower	Upper	
82	100		
128	40.6	32.8	49.2
54	43.2	36.9	55.3



#25
Isophorone
Concen: 3.399 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Tgt Ion	82	Resp	52325
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

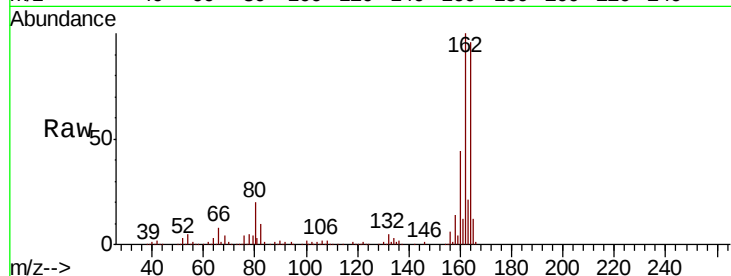




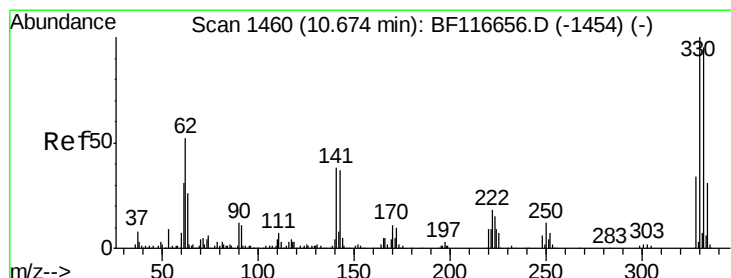
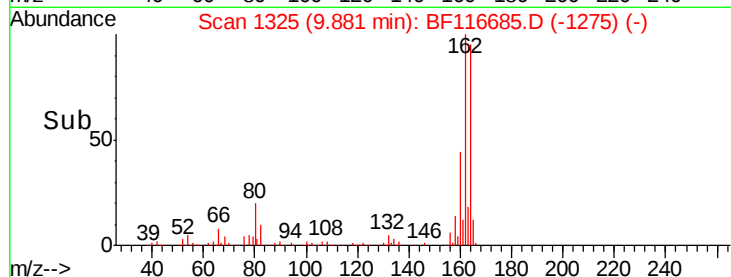
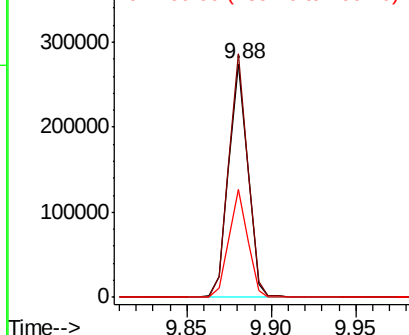
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 218009
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.0
160 46.2 35.4 53.2

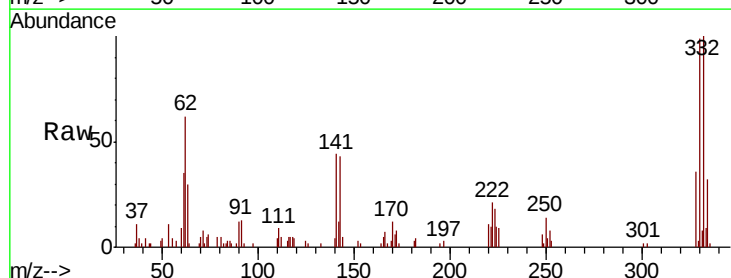


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

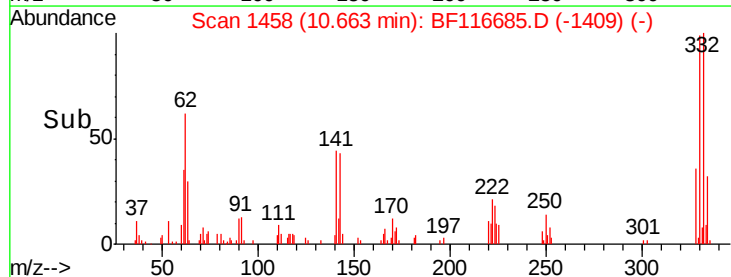
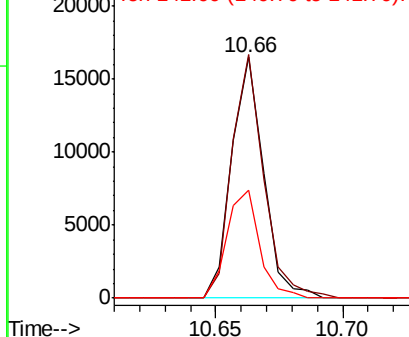


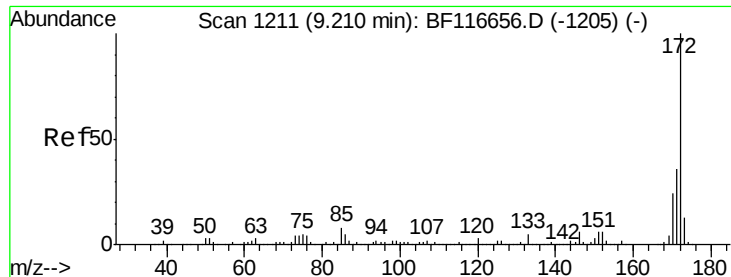
#42
2,4,6-Tribromophenol
Concen: 9.889 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Tgt Ion:330 Resp: 14412
Ion Ratio Lower Upper
330 100
332 100.9 76.9 115.3
141 46.1 31.4 47.2



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

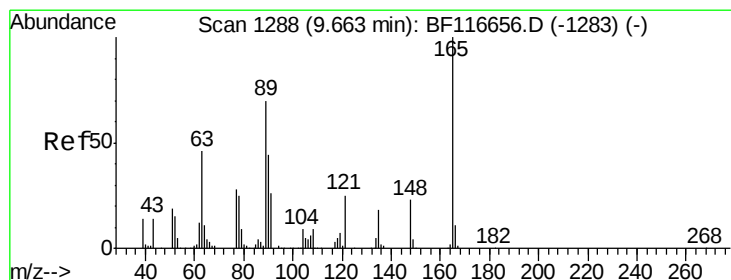
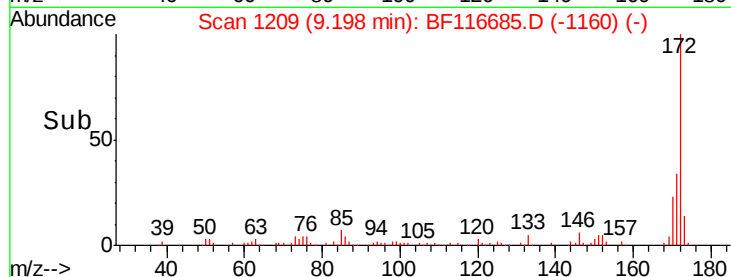
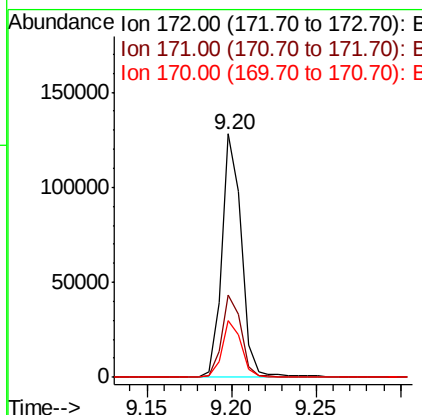
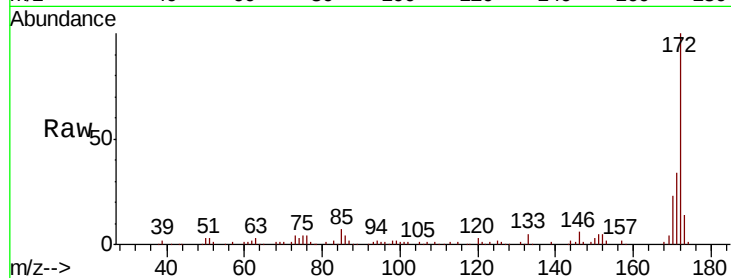




#45
 2-Fluorobiphenyl
 Concen: 8.047 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116685.D
 Acq: 31 Aug 2019 7:22

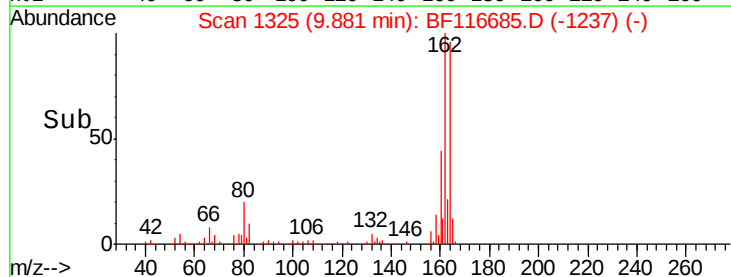
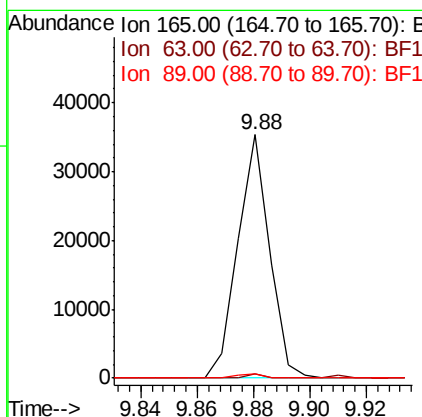
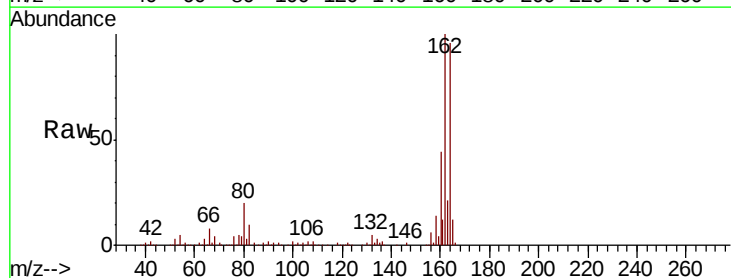
Instrument :
 BNA_F
 ClientSampleId :

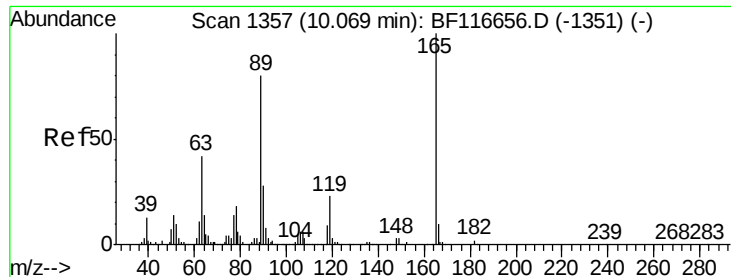
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.8	41.6
170	23.4	18.9	28.3



#51
 2,6-Dinitrotoluene
 Concen: 9.609 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116685.D
 Acq: 31 Aug 2019 7:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.3	70.9#
89	2.0	52.5	78.7#

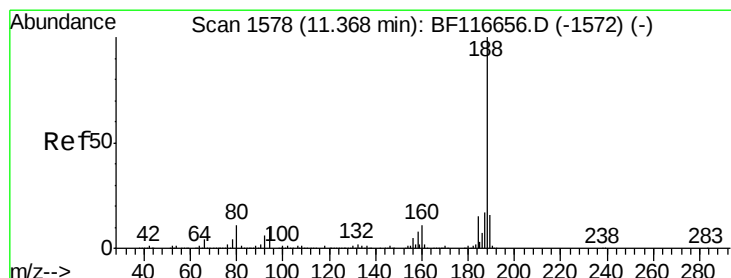
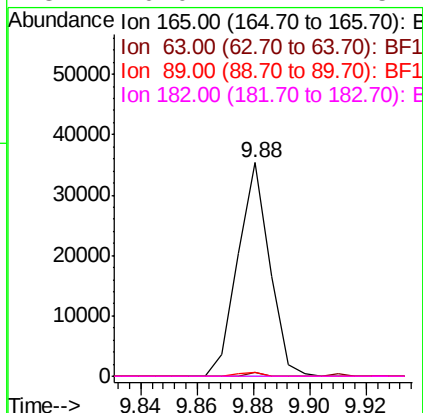
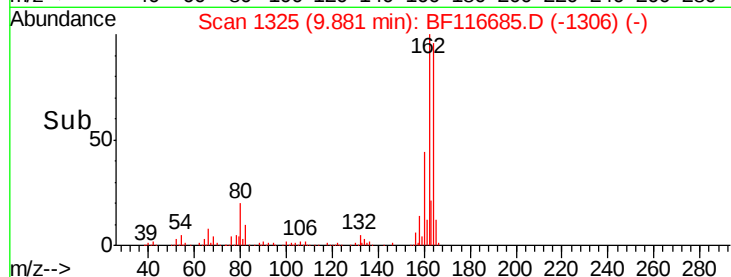
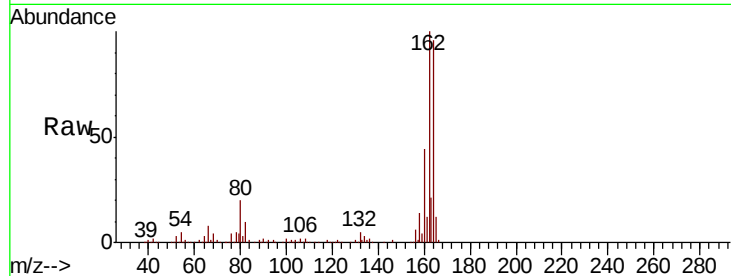




#57
2,4-Dinitrotoluene
Concen: 7.858 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

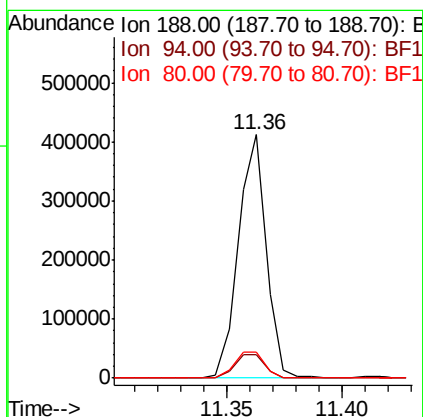
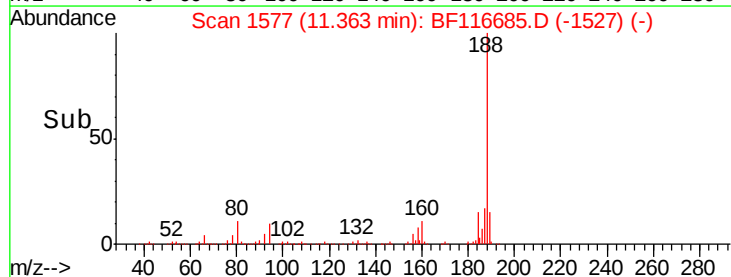
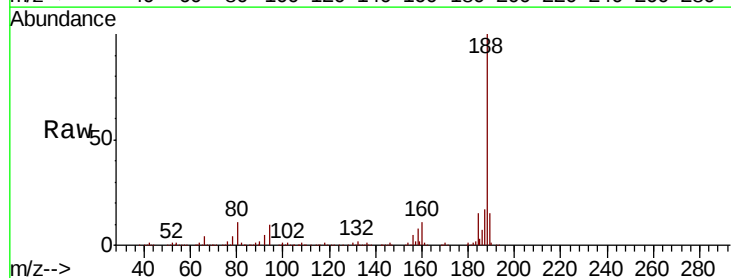
Instrument :
BNA_F
ClientSampleId :

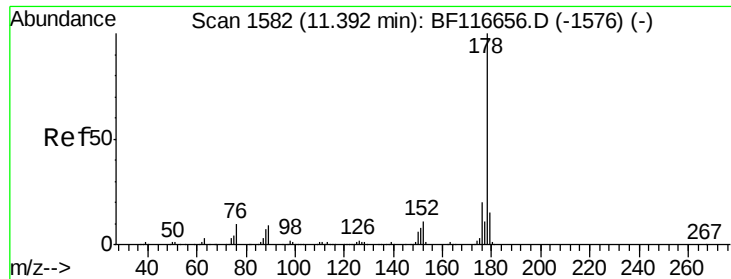
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	2.0	62.6	94.0#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.3	10.9
80	10.7	8.4	12.6

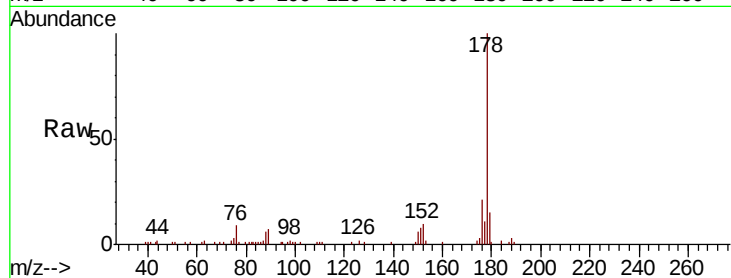




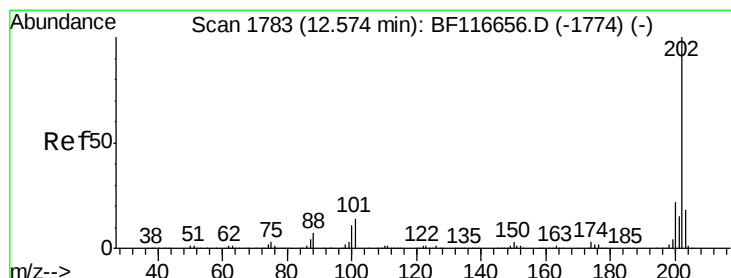
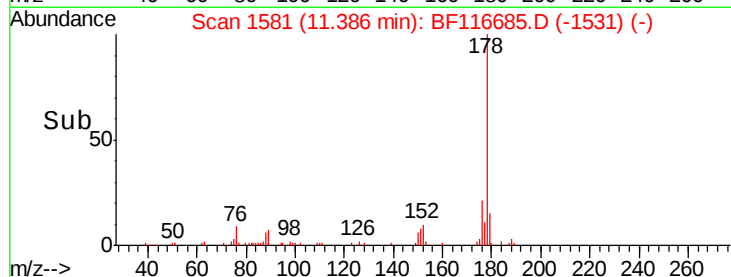
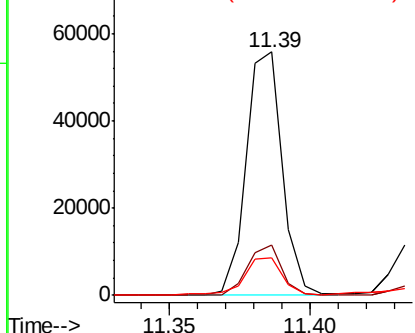
#71
Phenanthrene
Concen: 2.557 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.0
179	15.4	12.2	18.2

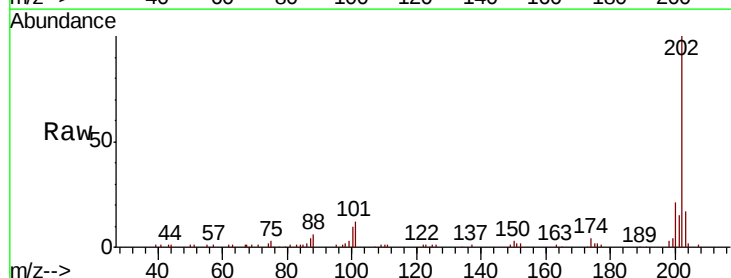


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

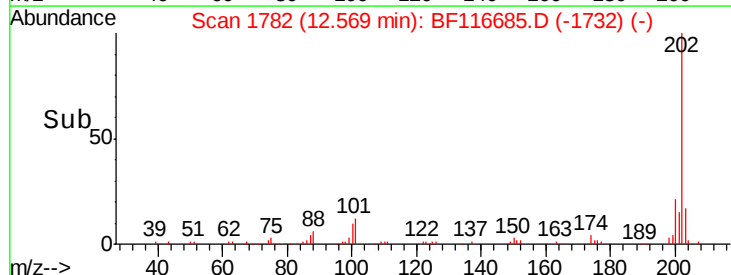
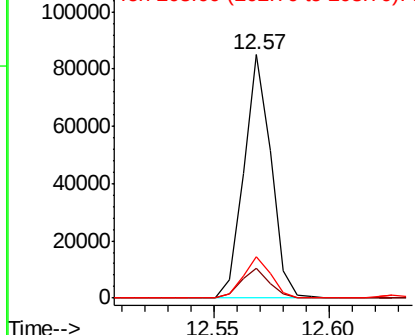


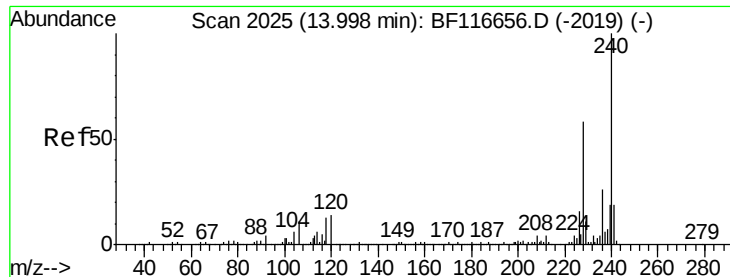
#75
Fluoranthene
Concen: 3.682 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.3
203	16.8	0.0	37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116685.D

Acq: 31 Aug 2019 7:22

Instrument :

BNA_F

ClientSampleId :

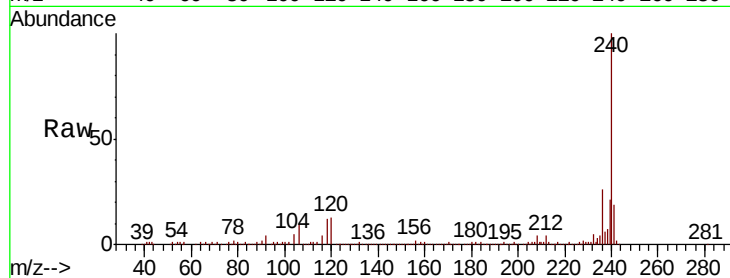
Tot Ion:240 Resp: 245050

Ion Ratio Lower Upper

240 100

120 13.0 9.1 13.7

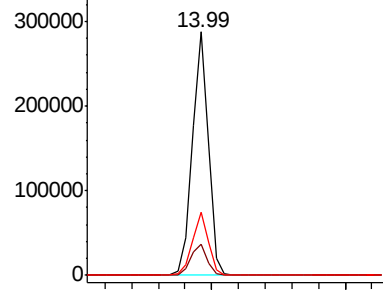
236 25.7 21.1 31.7



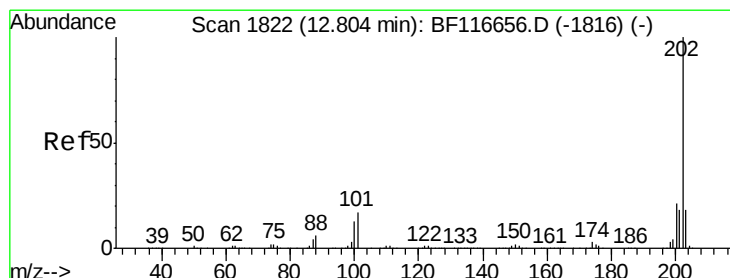
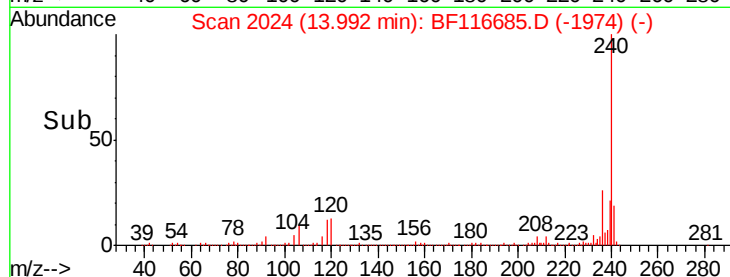
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Pyrene

Concen: 2.720 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116685.D

Acq: 31 Aug 2019 7:22

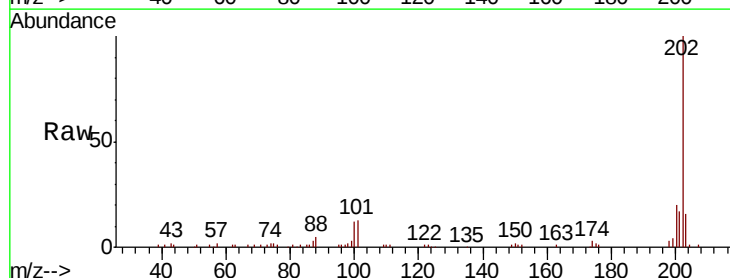
Tgt Ion:202 Resp: 59254

Ion Ratio Lower Upper

202 100

200 19.9 16.5 24.7

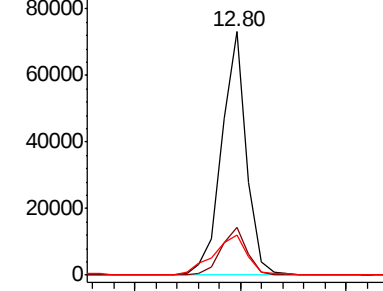
203 16.3 13.7 20.5



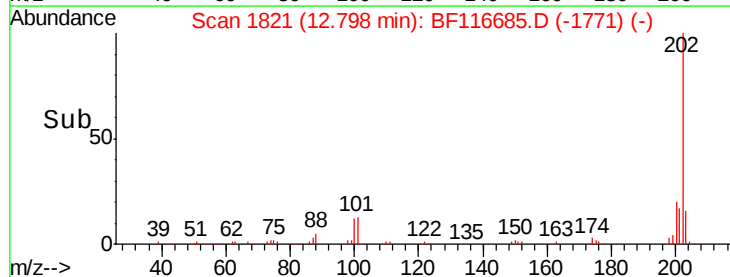
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 6.936 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116685.D

Acq: 31 Aug 2019 7:22

Instrument :

BNA_F

ClientSampleId :

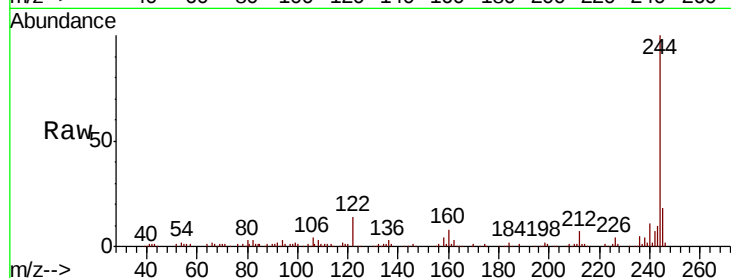
Tot Ion:244 Resp: 91879

Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

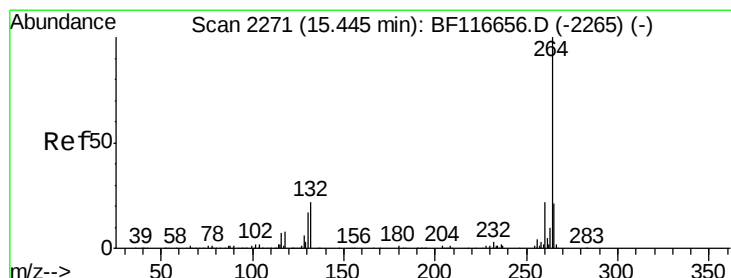
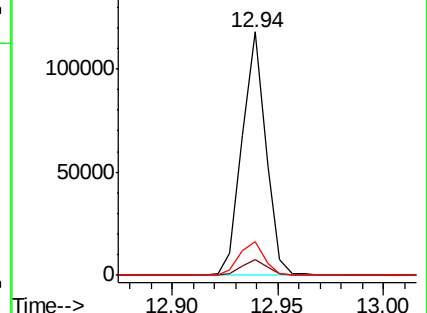
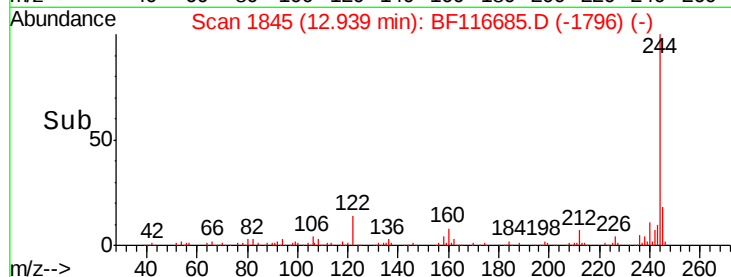
122 13.7 10.2 15.4



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: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116685.D

Acq: 31 Aug 2019 7:22

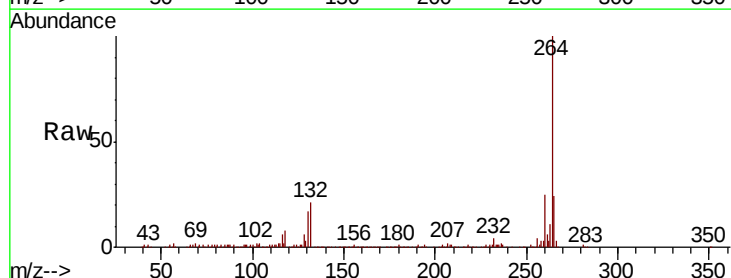
Tgt Ion:264 Resp: 259230

Ion Ratio Lower Upper

264 100

260 24.8 18.3 27.5

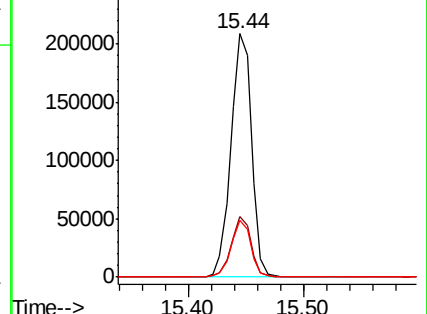
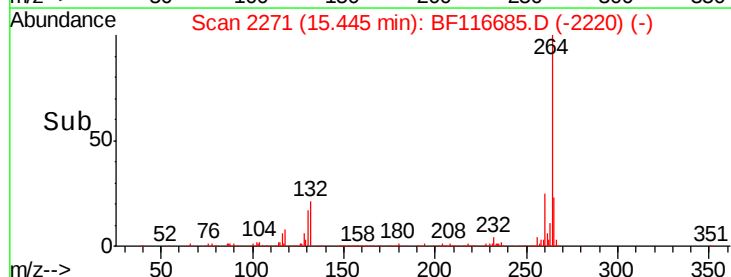
265 23.5 16.5 24.7

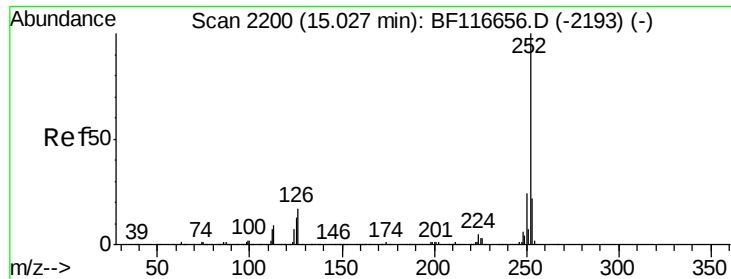


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

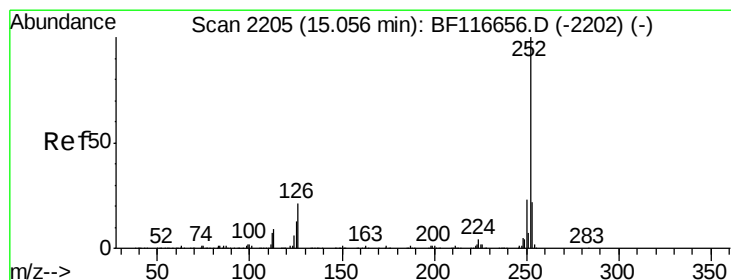
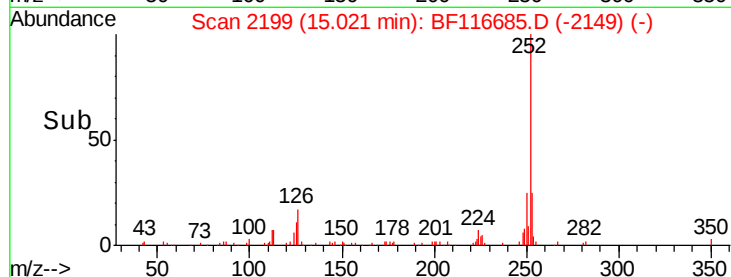
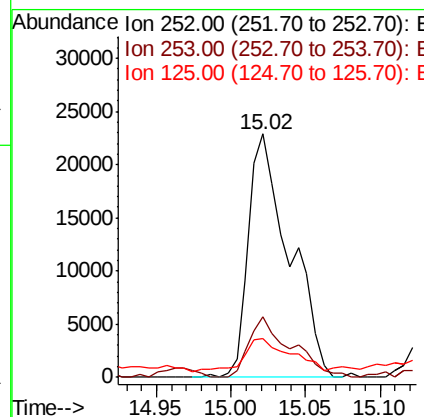
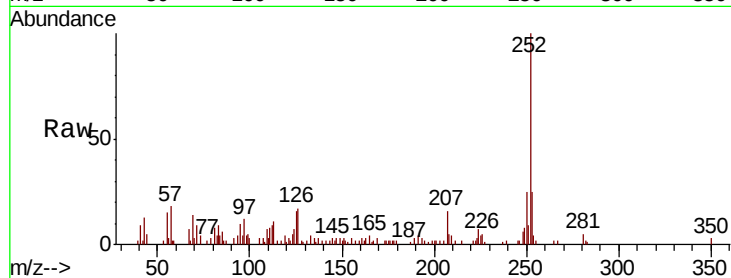




#88
Benzo(b)fluoranthene
Concen: 2.784 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43637
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 15.7 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 3.054 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116685.D
Acq: 31 Aug 2019 7:22

Tgt Ion:252 Resp: 43637
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 15.7 8.6 13.0#

