

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116591.D
 Acq On : 27 Aug 2019 19:12
 Operator : HP/JU
 Sample : K4093-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-082619

Quant Time: Aug 28 07:33:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

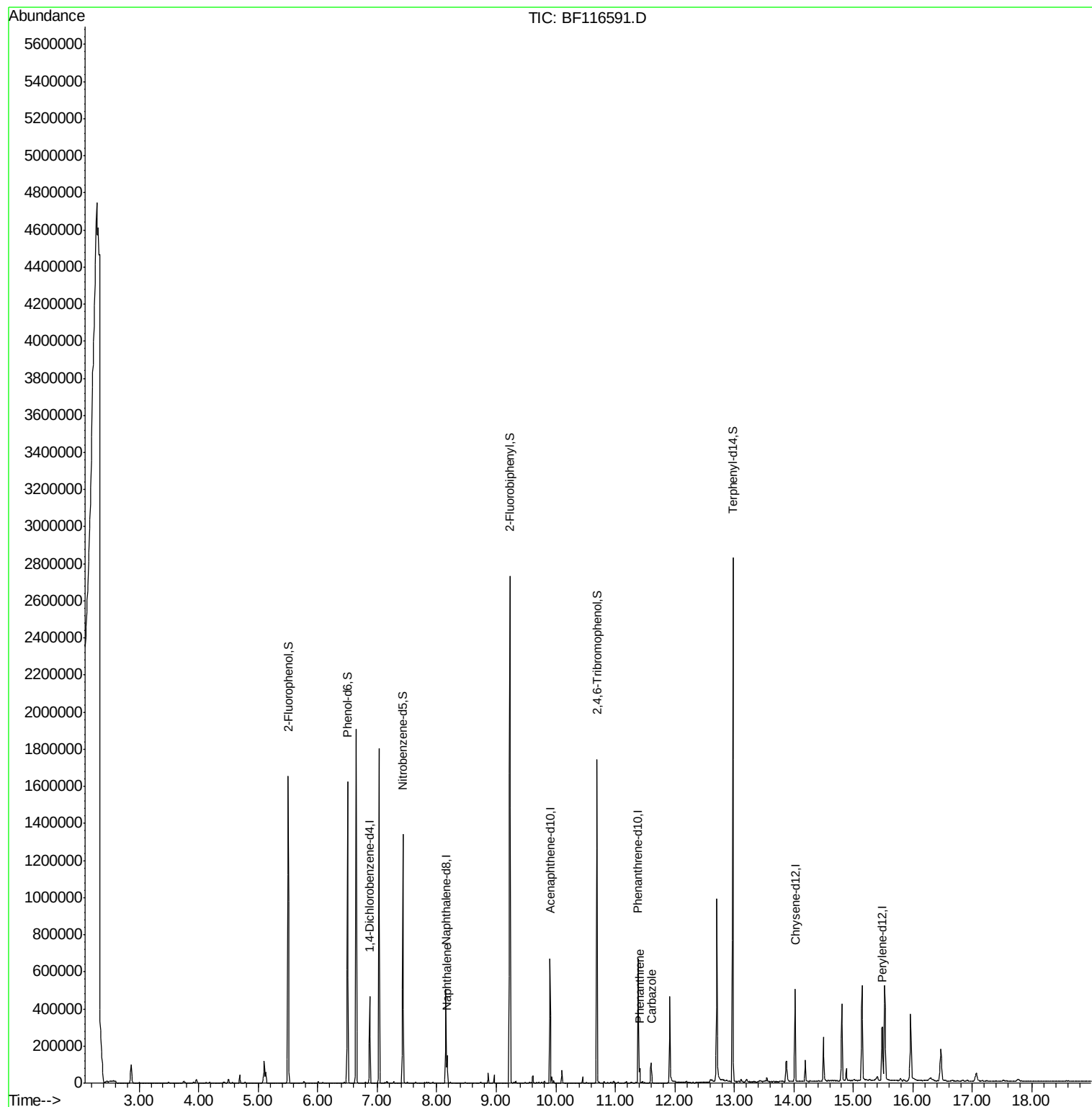
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	57730	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	225006	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	119445	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	215572	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	151523	20.00	ng	-0.01
87) Perylene-d12	15.49	264	136373	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	443972	112.37	ng	0.00
7) Phenol-d6	6.50	99	519467	107.23	ng	0.00
23) Nitrobenzene-d5	7.43	82	426509	103.71	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	183532	178.94	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	791860	106.76	ng	-0.01
79) Terphenyl-d14	12.97	244	933346	115.06	ng	0.00
Target Compounds						
31) Naphthalene	8.17	128	55812	5.128	ng	98
71) Phenanthrene	11.41	178	24899	2.120	ng	95
73) Carbazole	11.61	167	26684	2.519	ng	99

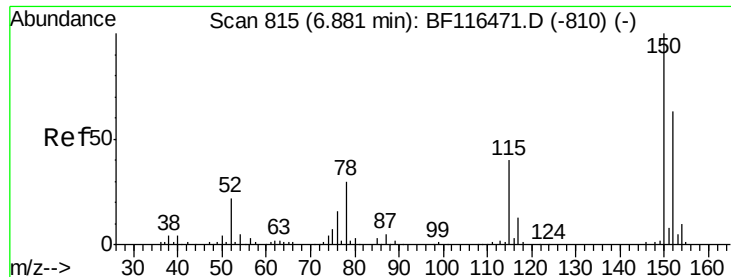
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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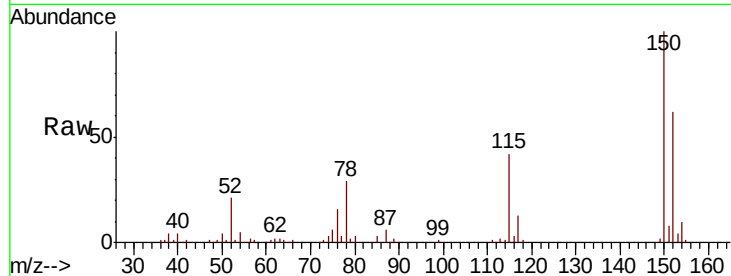


#1

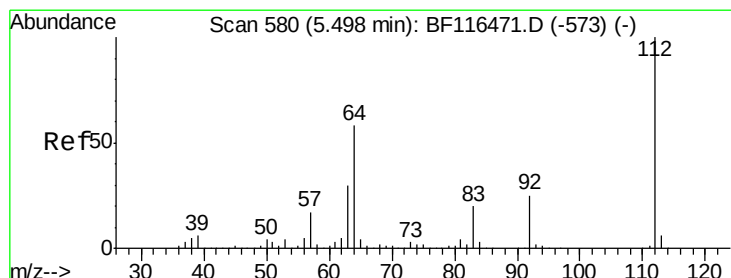
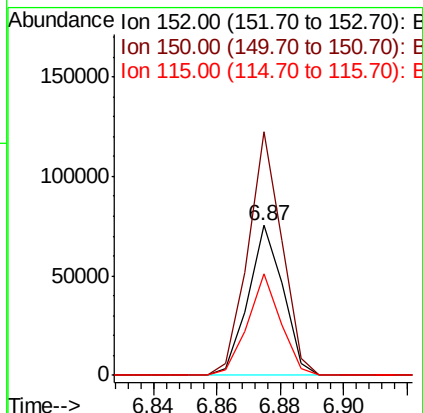
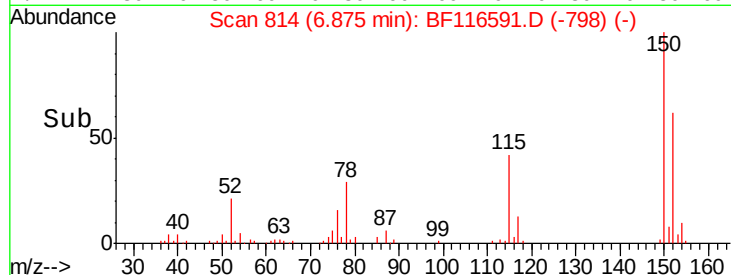
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion:152 Resp: 57730
Ion Ratio Lower Upper
152 100
150 162.2 126.7 190.1
115 67.4 50.9 76.3



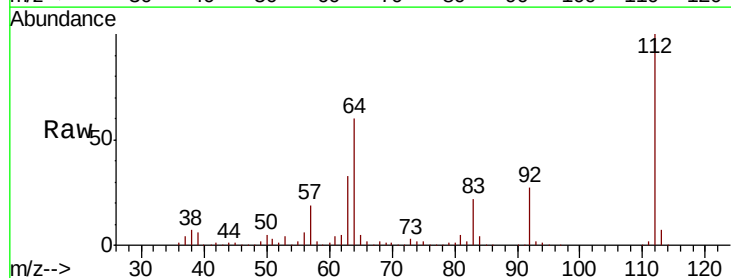
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



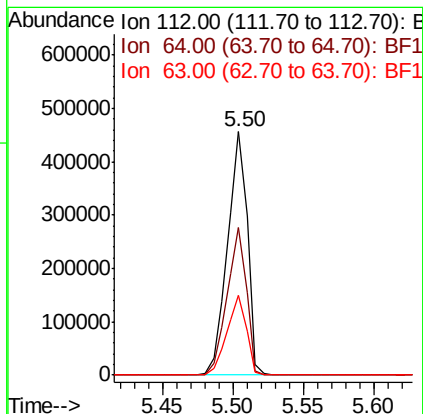
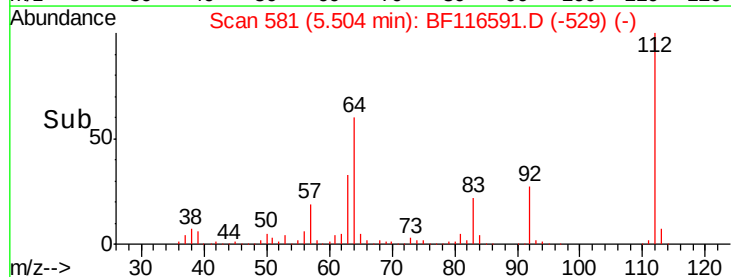
#5

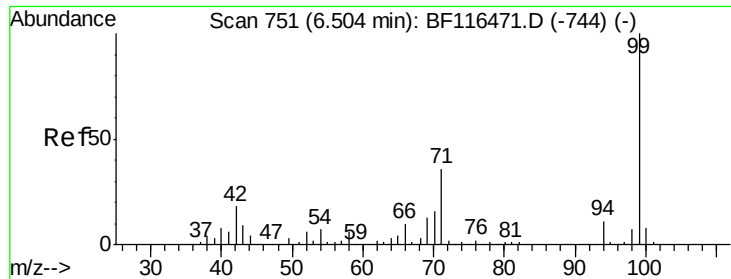
2-Fluorophenol
Concen: 112.369 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Tgt Ion:112 Resp: 443972
Ion Ratio Lower Upper
112 100
64 60.4 46.3 69.5
63 33.0 24.2 36.4



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: 107.228 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-02-082619

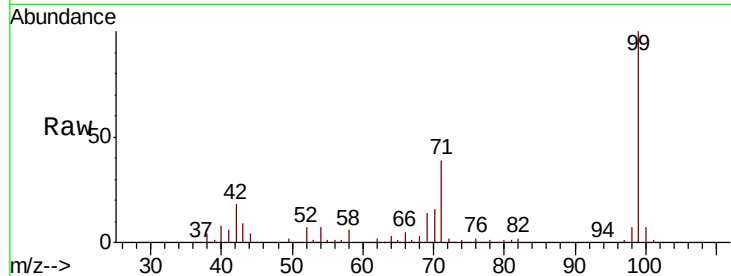
Tot Ion: 99 Resp: 519467

Ion Ratio Lower Upper

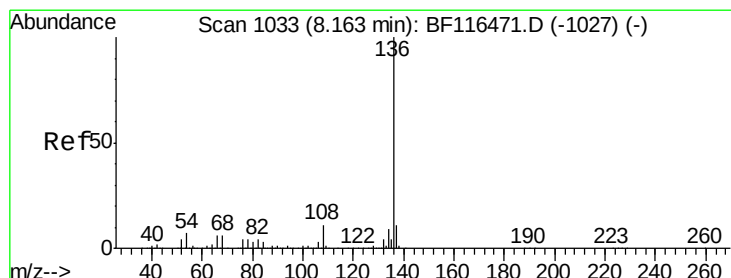
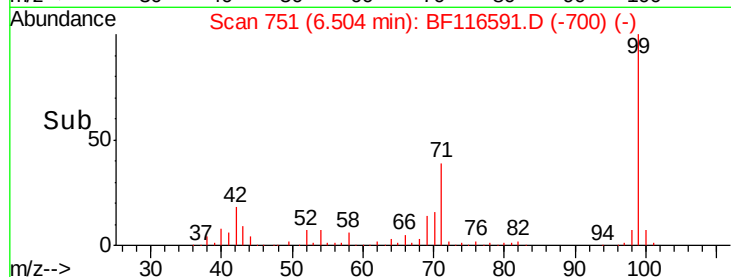
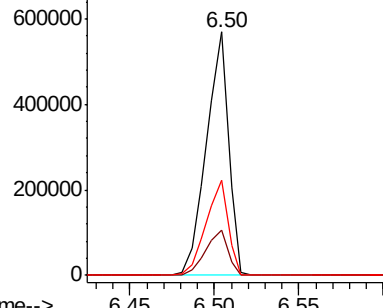
99 100

42 18.4 14.6 21.8

71 38.8 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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Tgt Ion: 136 Resp: 225006

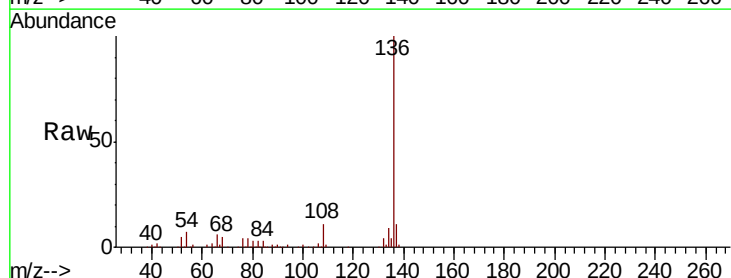
Ion Ratio Lower Upper

136 100

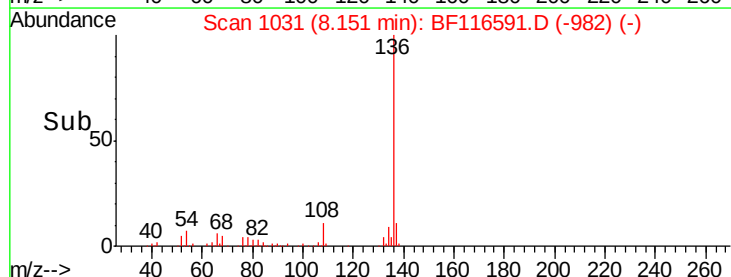
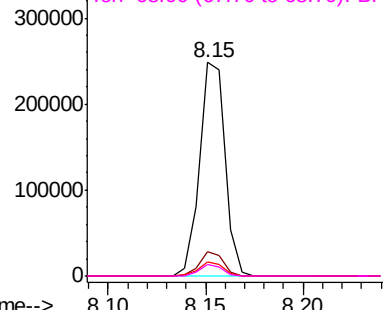
137 11.4 9.0 13.4

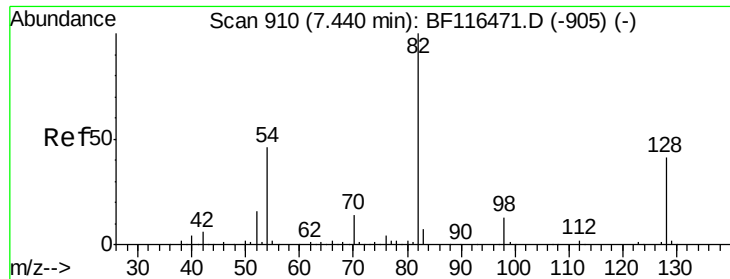
54 6.9 5.8 8.6

68 5.3 5.1 7.7



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

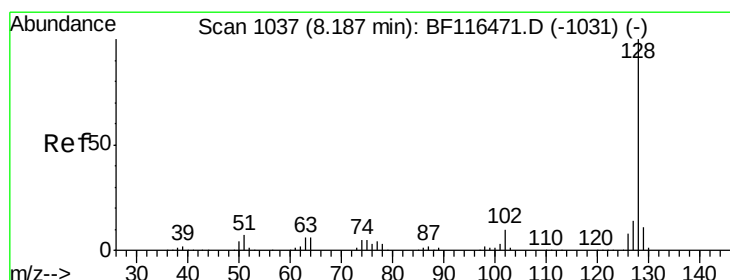
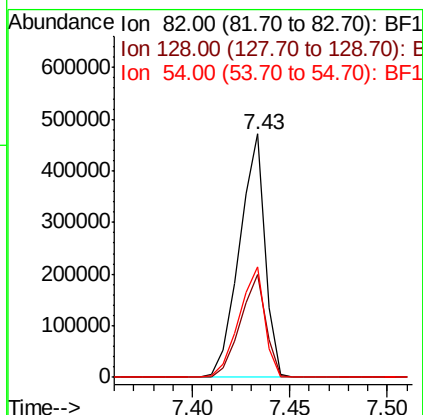
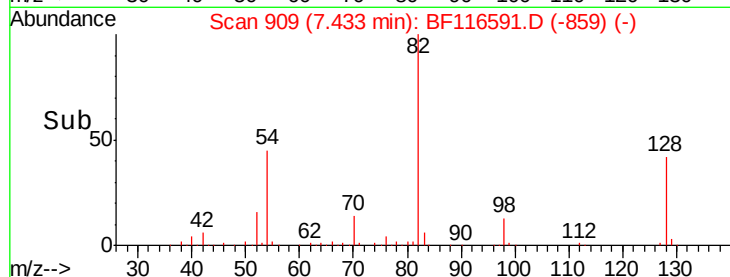
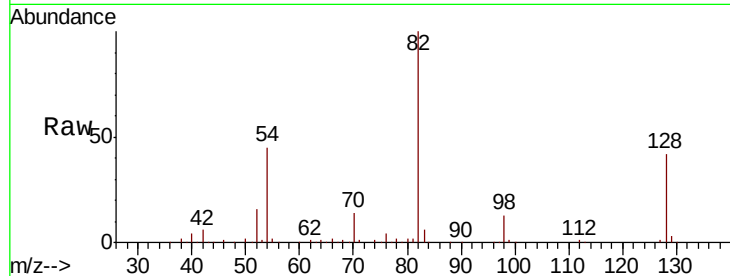




#23
 Nitrobenzene-d5
 Concen: 103.705 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

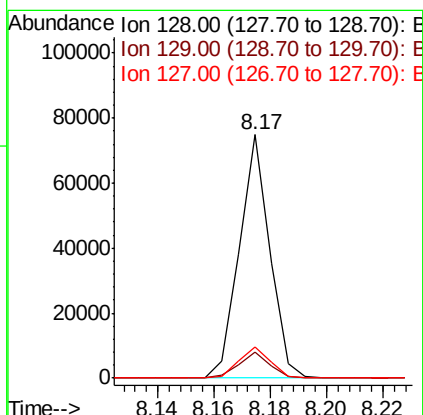
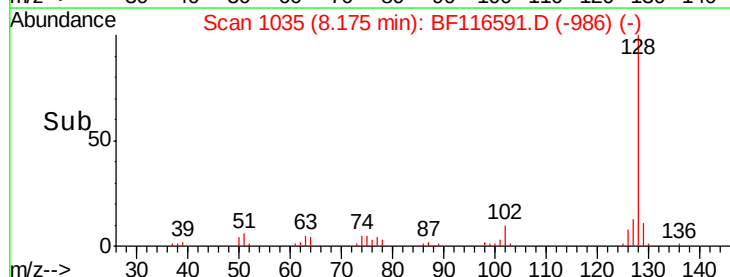
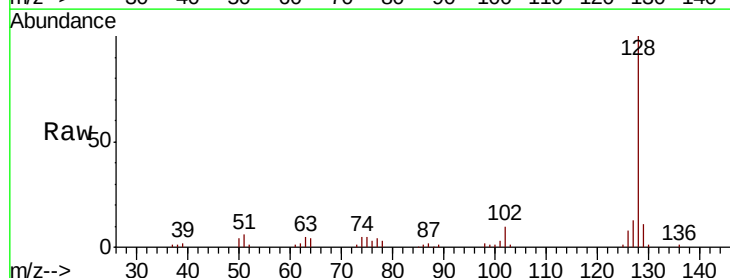
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-082619

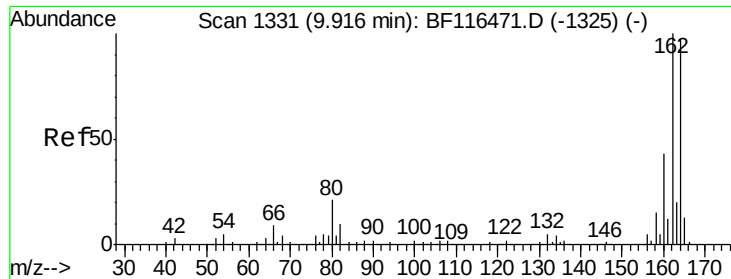
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	32.2	48.4
54	45.3	36.5	54.7



#31
 Naphthalene
 Concen: 5.128 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.8	10.9	16.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-02-082619

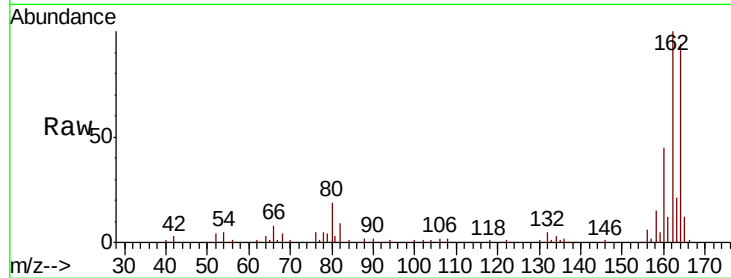
Tot Ion:164 Resp: 119445

Ion Ratio Lower Upper

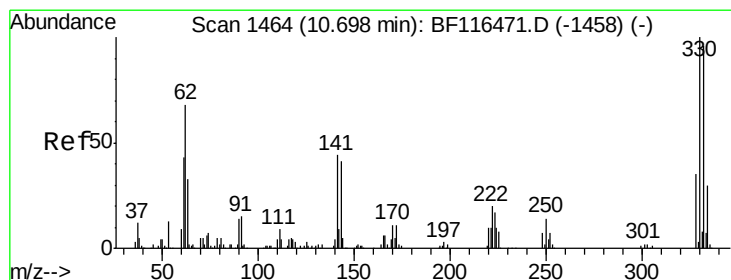
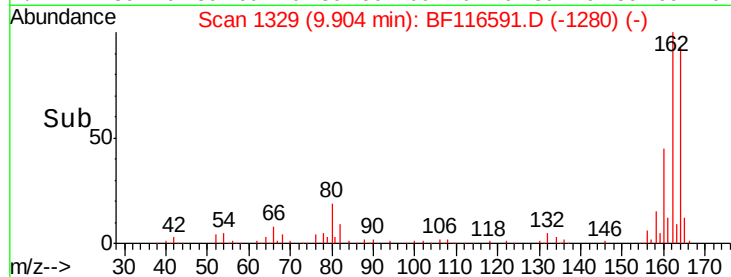
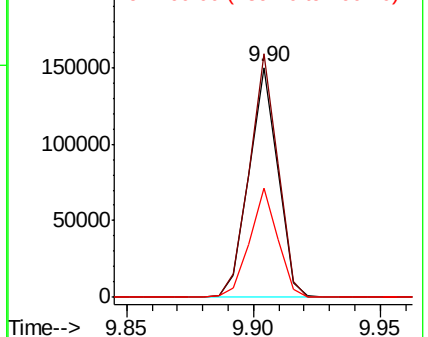
164 100

162 105.9 82.6 123.8

160 47.3 35.8 53.8



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: 178.944 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

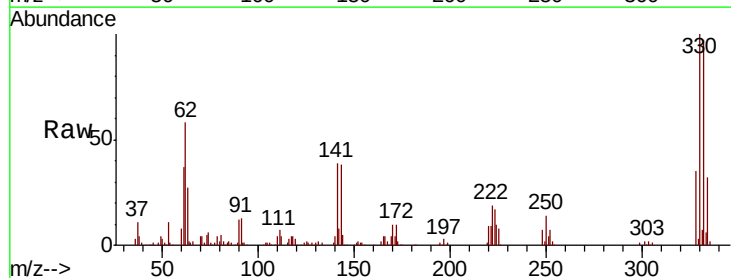
Tgt Ion:330 Resp: 183532

Ion Ratio Lower Upper

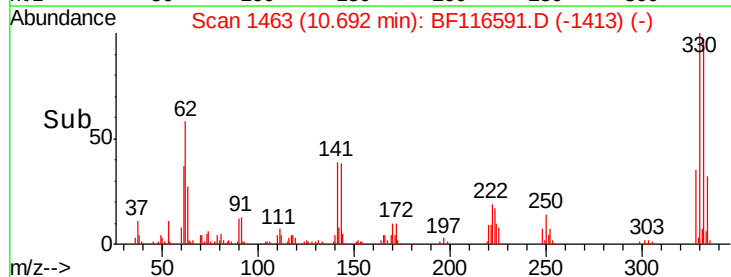
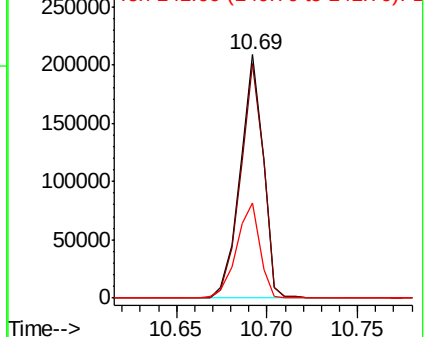
330 100

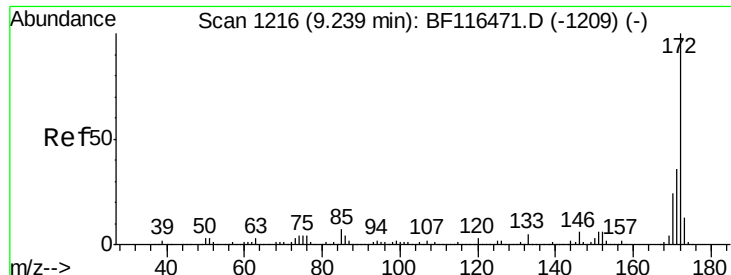
332 96.7 77.2 115.8

141 39.9 33.3 49.9



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

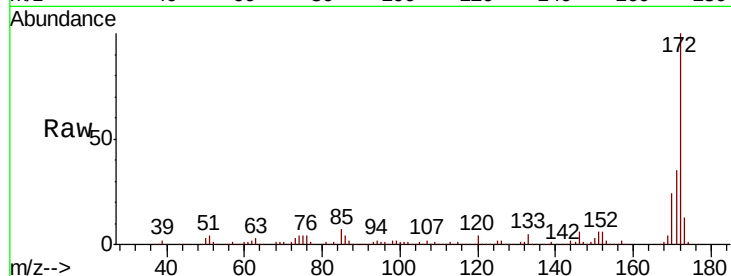




#45
 2-Fluorobiphenyl
 Concen: 106.762 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-082619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	23.5	19.4	29.0

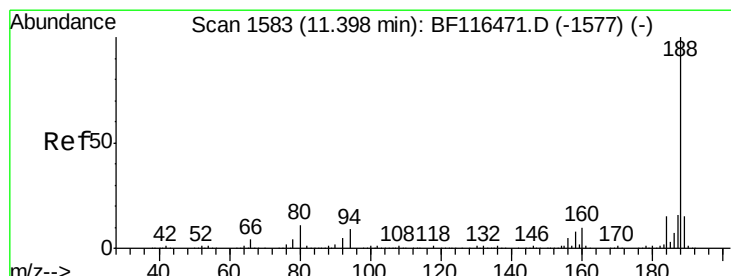
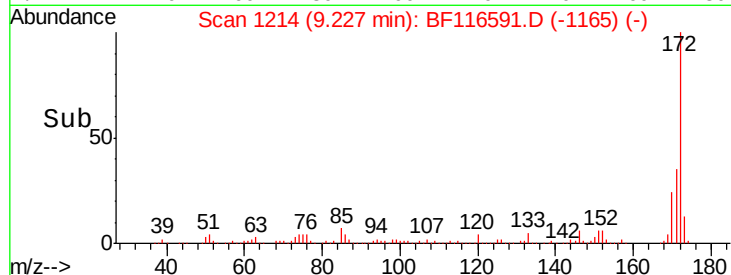
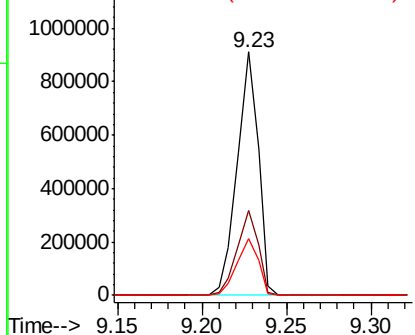


Abundance

Ion 172.00 (171.70 to 172.70): E

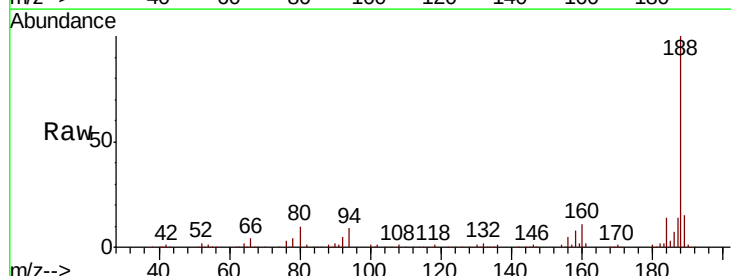
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.4	11.2
80	10.0	8.6	12.8

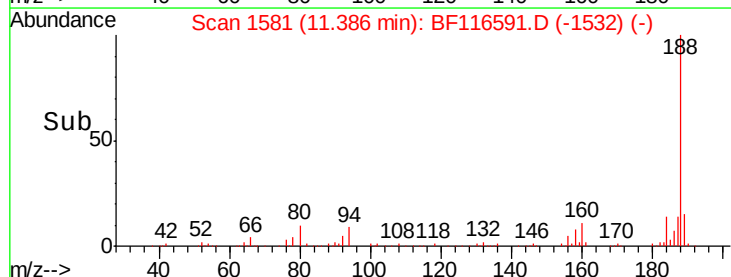
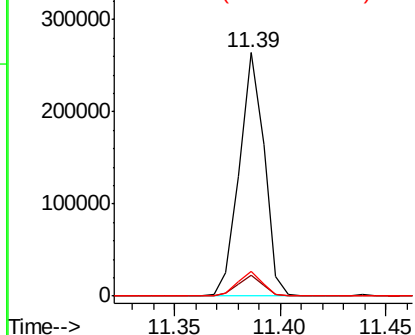


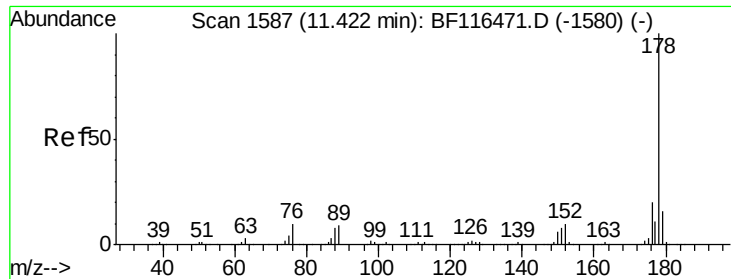
Abundance

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

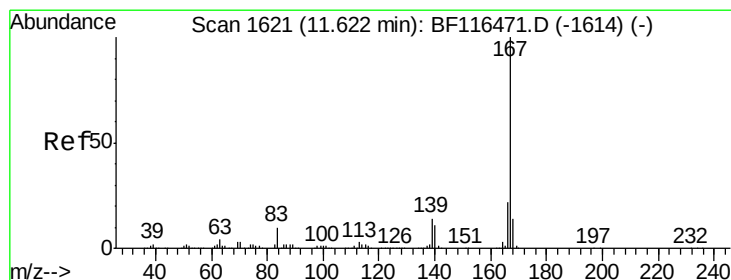
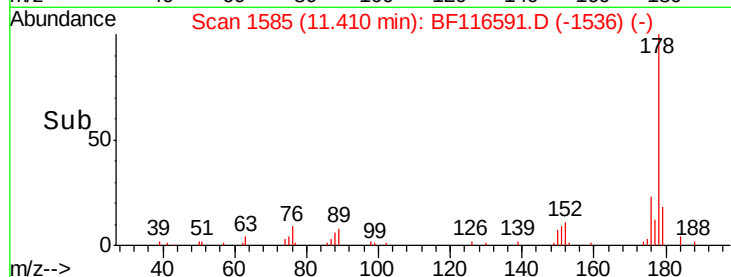
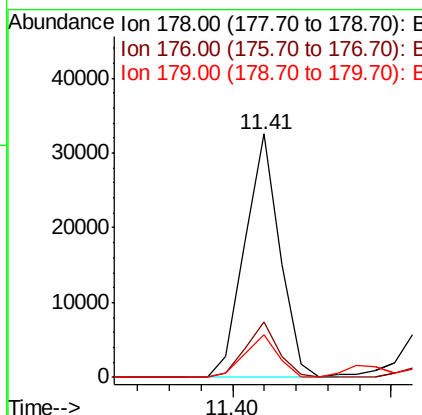
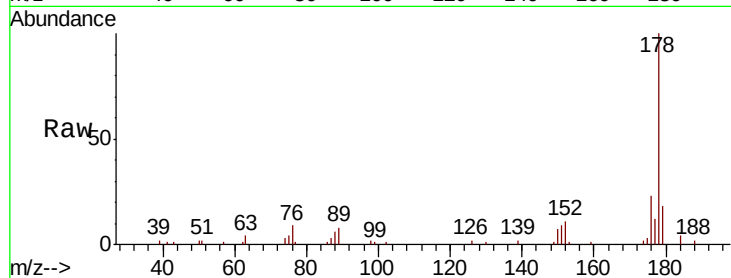




#71
Phenanthrene
Concen: 2.120 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

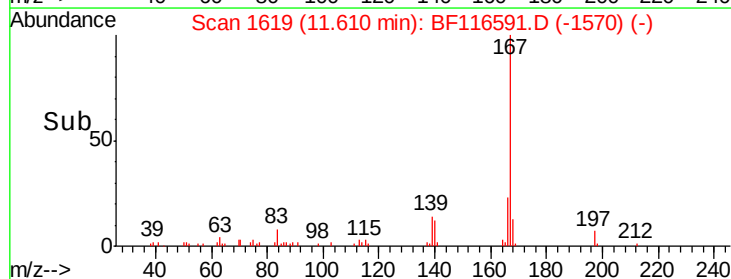
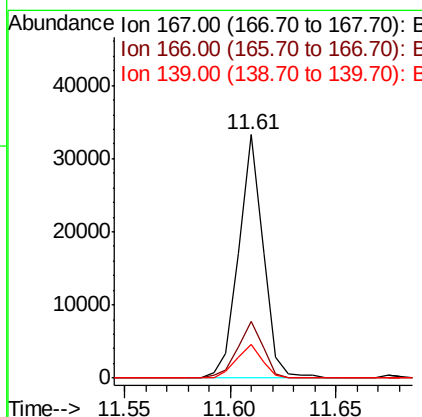
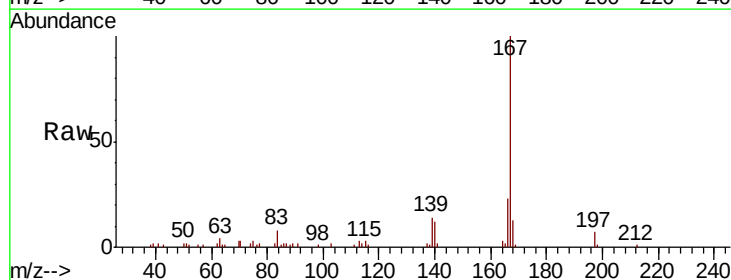
Instrument :
BNA_F
ClientSampleId :
PL-02-082619

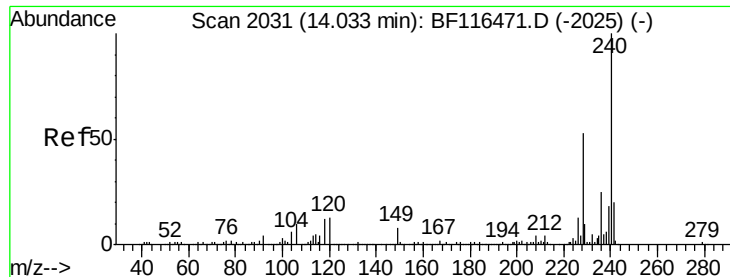
Tot Ion:178 Resp: 24899
Ion Ratio Lower Upper
178 100
176 22.6 15.8 23.6
179 17.6 12.8 19.2



#73
Carbazole
Concen: 2.519 ng
RT: 11.61 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Tgt Ion:167 Resp: 26684
Ion Ratio Lower Upper
167 100
166 23.3 17.8 26.6
139 13.7 10.9 16.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-02-082619

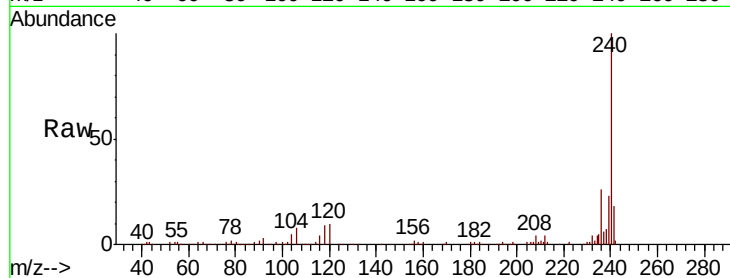
Tot Ion:240 Resp: 151523

Ion Ratio Lower Upper

240 100

120 10.0 10.5 15.7#

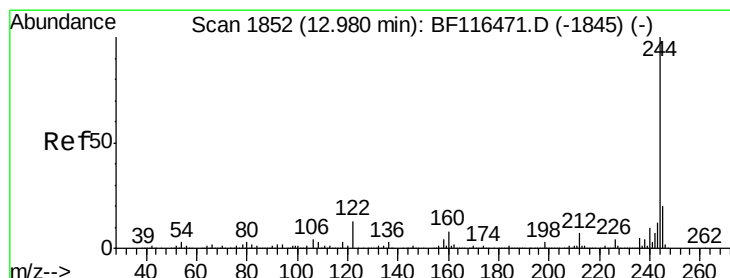
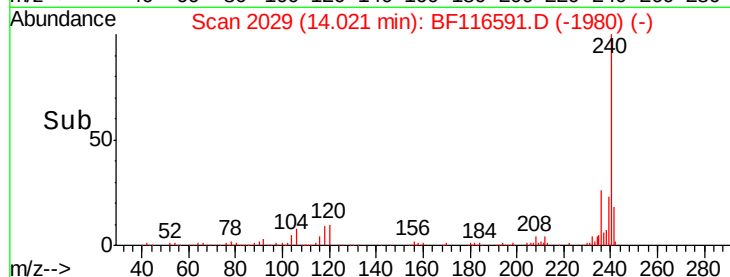
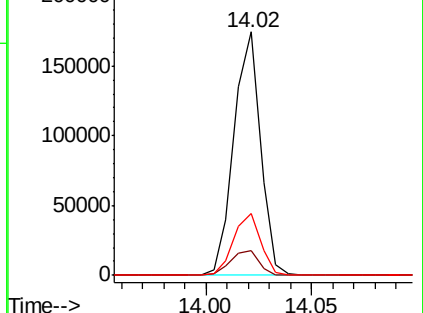
236 25.6 20.2 30.2



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: 115.058 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

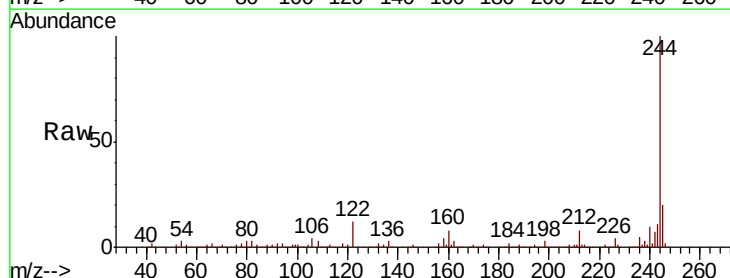
Tgt Ion:244 Resp: 933346

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

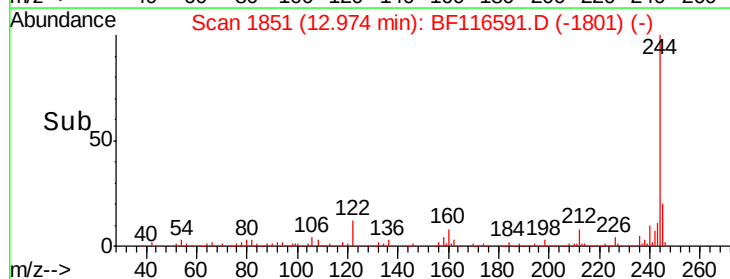
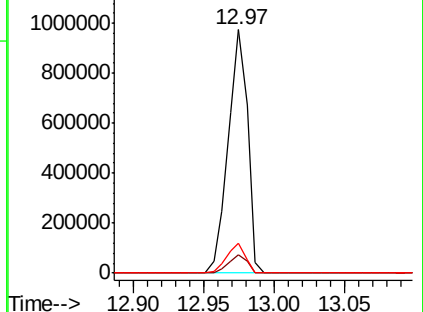
122 12.3 10.2 15.4

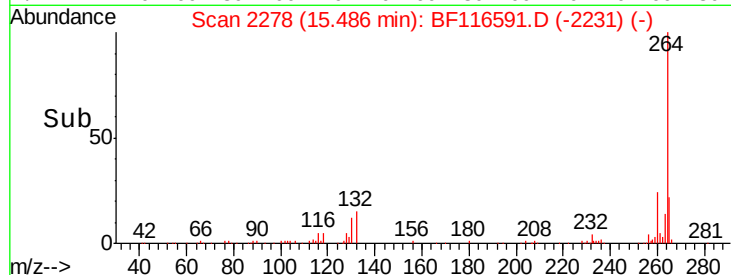
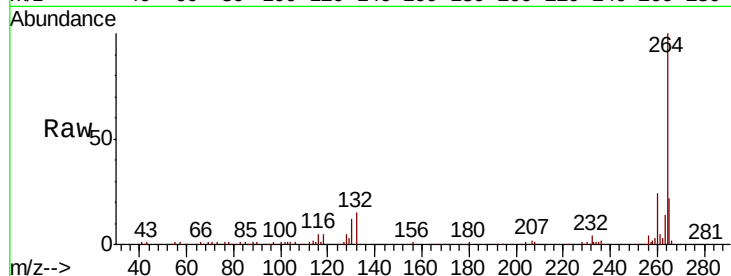
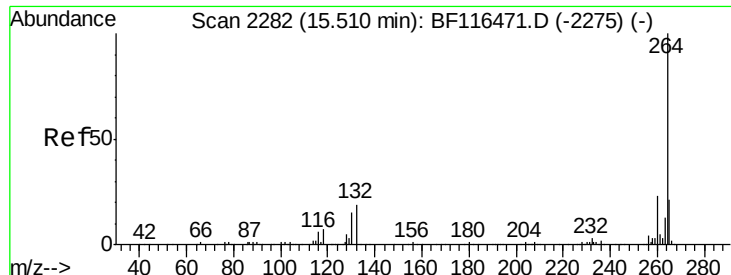


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion:264	Resp:	136373
Ion	Ratio	Lower Upper
264	100	
260	23.7	18.8 28.2
265	21.6	17.1 25.7

