

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
 Data File : BF113070.D
 Acq On : 15 Mar 2019 17:17
 Operator : JU/SJ
 Sample : K1685-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-031419-A

Quant Time: Mar 15 23:40:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

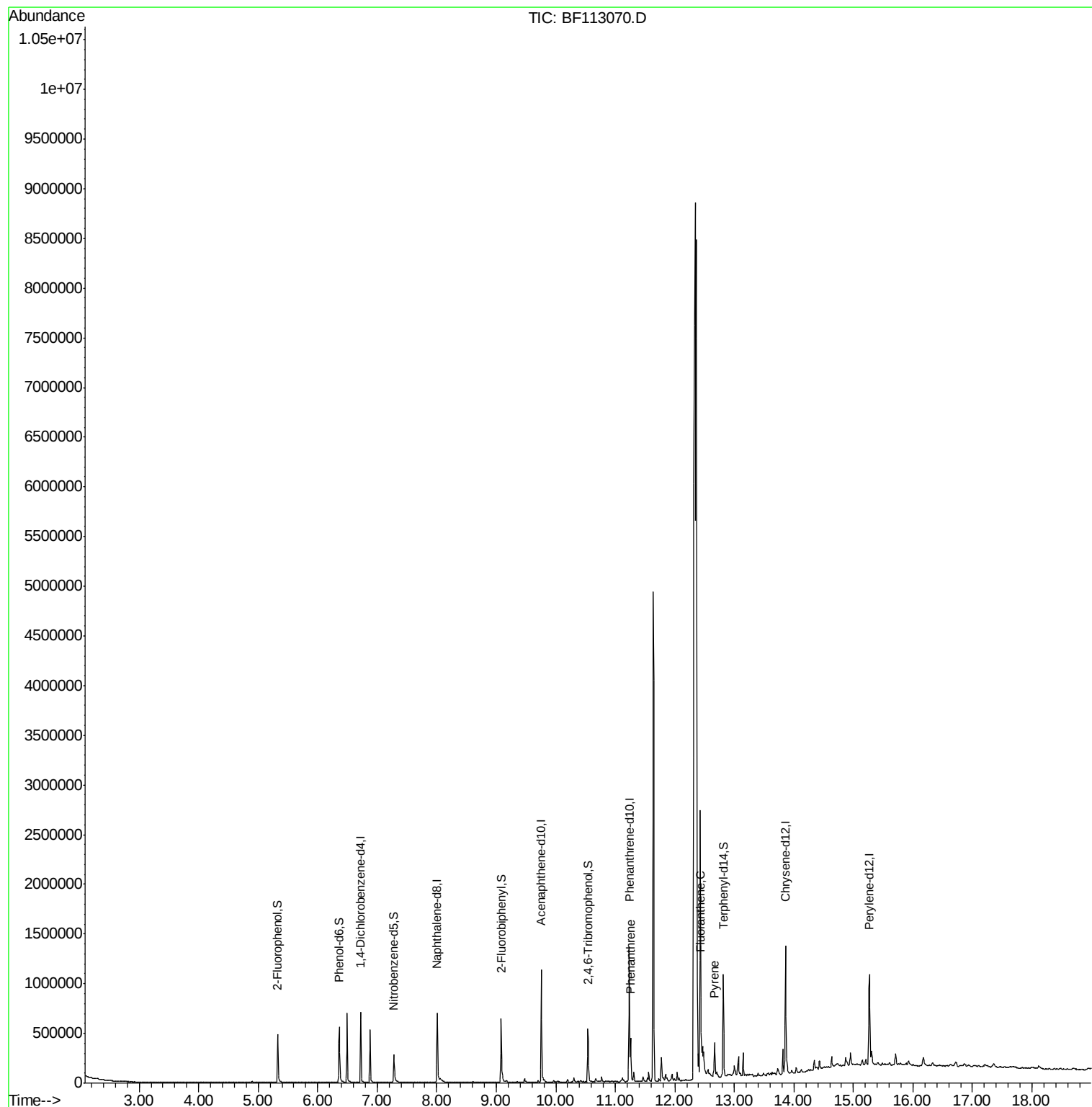
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112430	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	444492	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230891	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	507701	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	449520	20.00	ng	0.00
87) Perylene-d12	15.27	264	440083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	157467	21.79	ng	-0.02
7) Phenol-d6	6.36	99	214915	23.67	ng	-0.01
23) Nitrobenzene-d5	7.28	82	113053	15.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	77596	31.66	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	264183	14.48	ng	-0.01
79) Terphenyl-d14	12.82	244	345567	14.90	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	152641	6.043	ng	97
75) Fluoranthene	12.44	202	168401	6.222	ng	93
78) Pyrene	12.67	202	135553	3.577	ng	99

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

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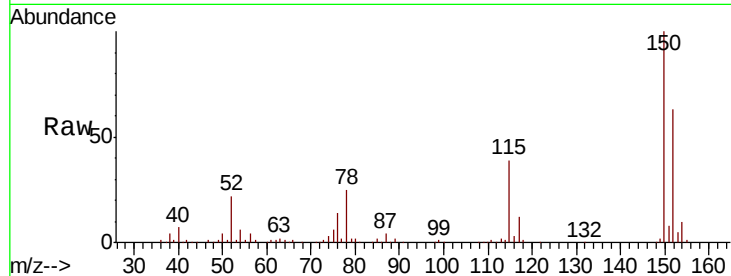


#1

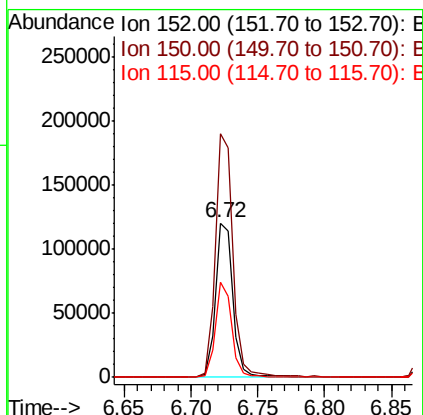
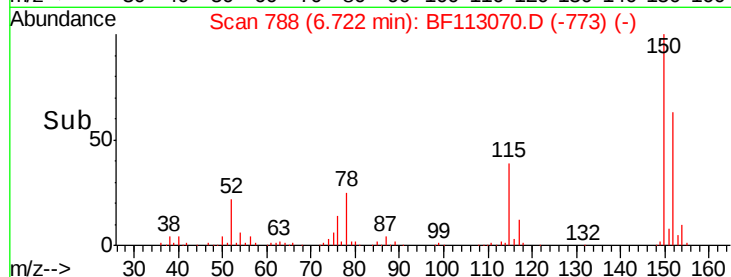
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-A

Tot Ion:152 Resp: 112430
Ion Ratio Lower Upper
152 100
150 158.0 124.2 186.2
115 61.4 48.2 72.4



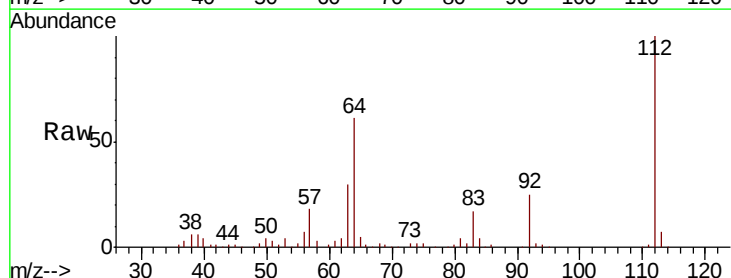
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



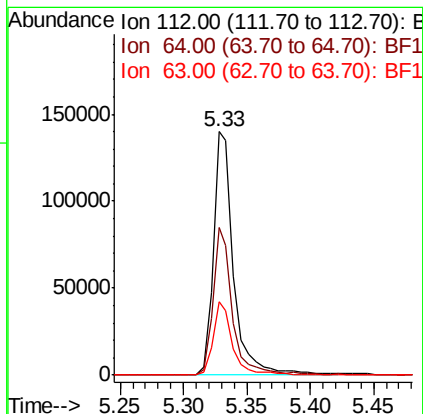
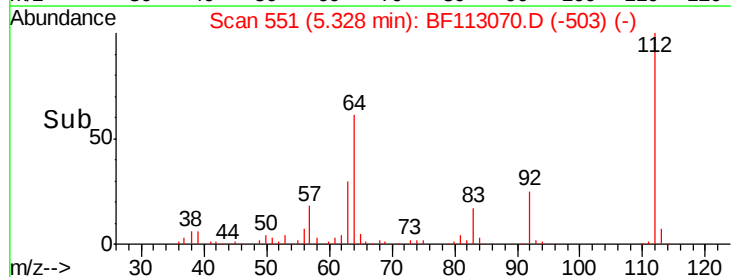
#5

2-Fluorophenol
Concen: 21.787 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Tgt Ion:112 Resp: 157467
Ion Ratio Lower Upper
112 100
64 60.7 47.6 71.4
63 30.1 24.4 36.6



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: 23.671 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

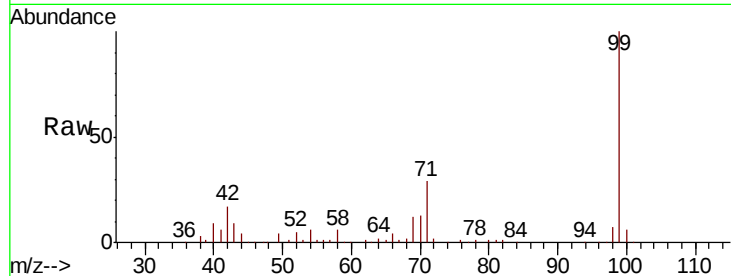
Tot Ion: 99 Resp: 214915

Ion Ratio Lower Upper

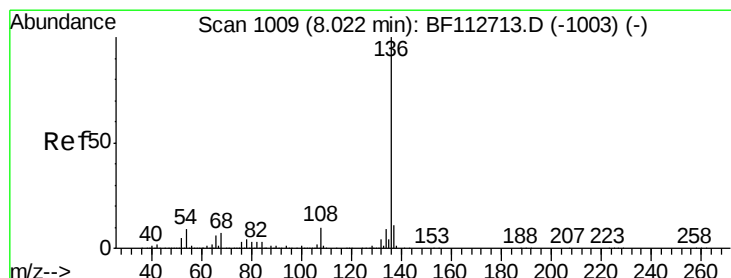
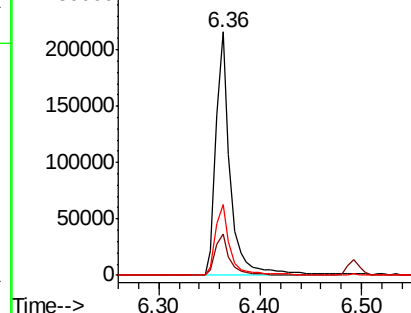
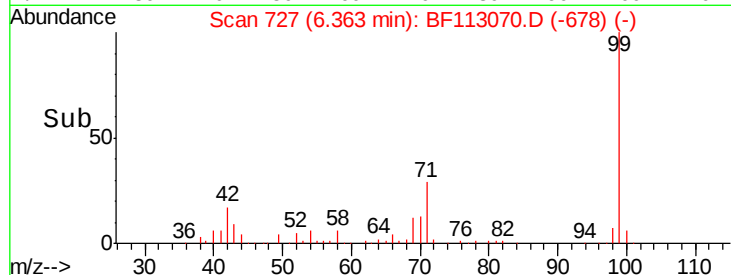
99 100

42 17.0 16.3 24.5

71 29.1 26.2 39.4



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Tgt Ion: 136 Resp: 444492

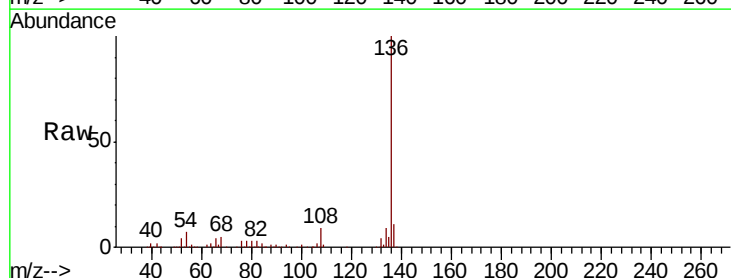
Ion Ratio Lower Upper

136 100

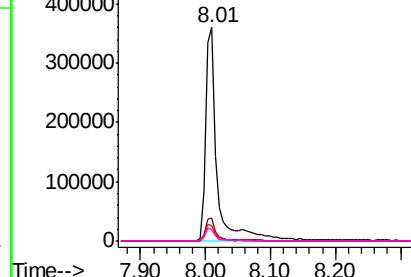
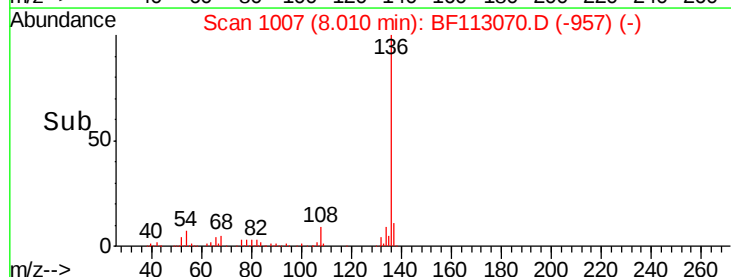
137 11.1 8.9 13.3

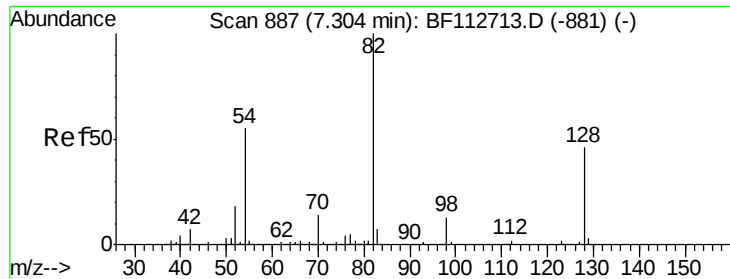
54 7.0 7.3 10.9#

68 5.4 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

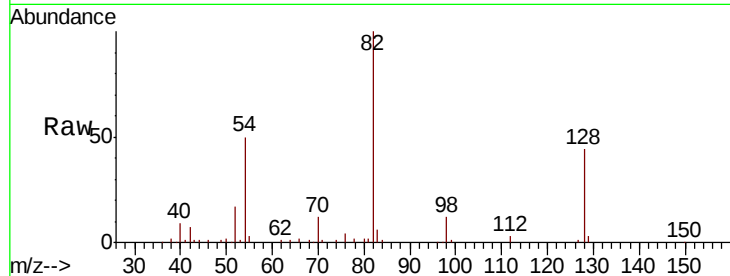




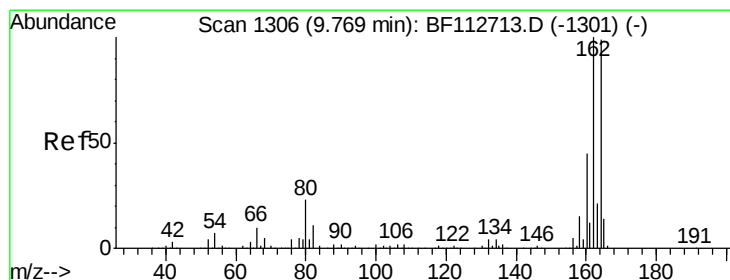
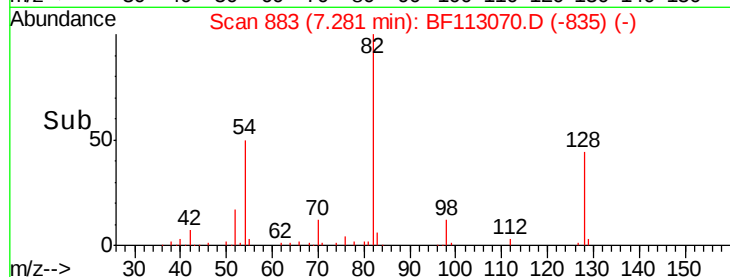
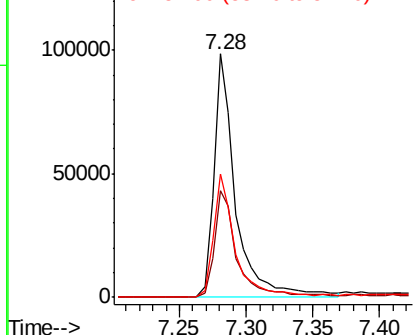
#23
Nitrobenzene-d5
Concen: 15.219 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-A

Tot Ion	82	Resp	113053
Ion Ratio	Lower	Upper	
82	100		
128	43.7	36.3	54.5
54	50.4	43.7	65.5

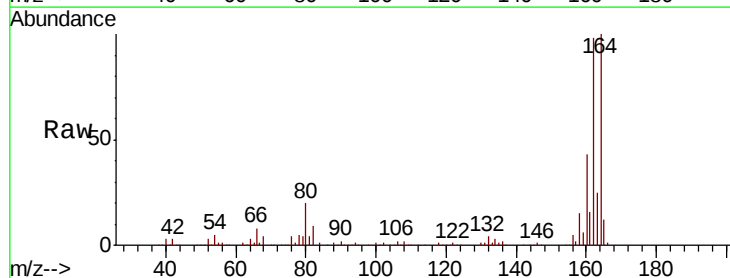


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

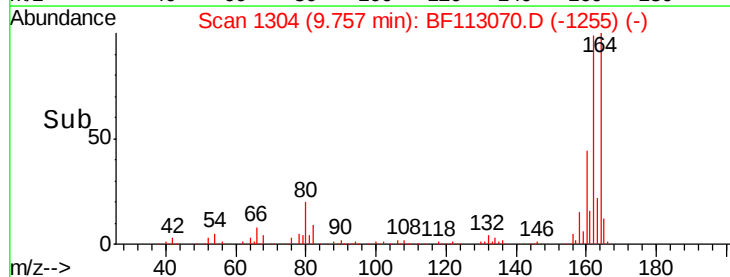
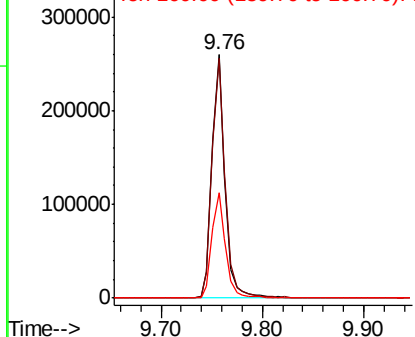


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Tgt Ion	164	Resp	230891
Ion Ratio	Lower	Upper	
164	100		
162	98.4	80.6	120.8
160	43.5	36.0	54.0



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: 31.656 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

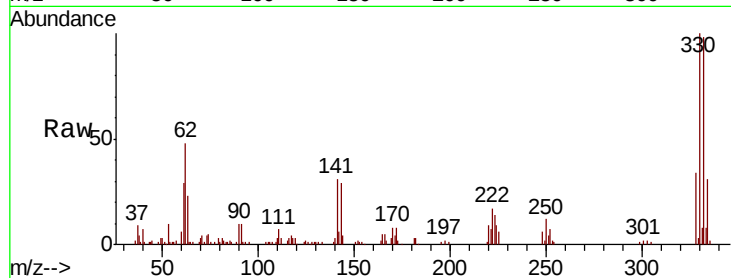
Tot Ion:330 Resp: 77596

Ion Ratio Lower Upper

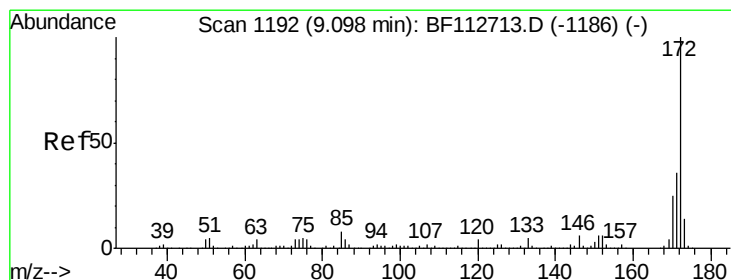
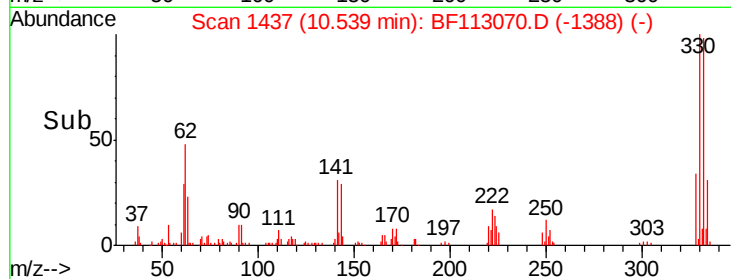
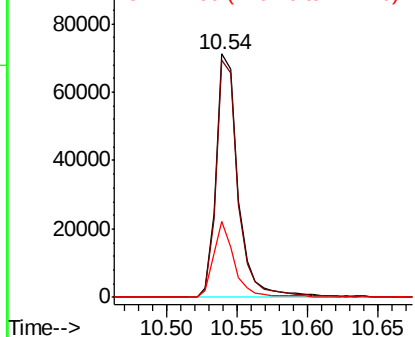
330 100

332 96.8 76.2 114.4

141 29.5 27.0 40.6



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: 14.483 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

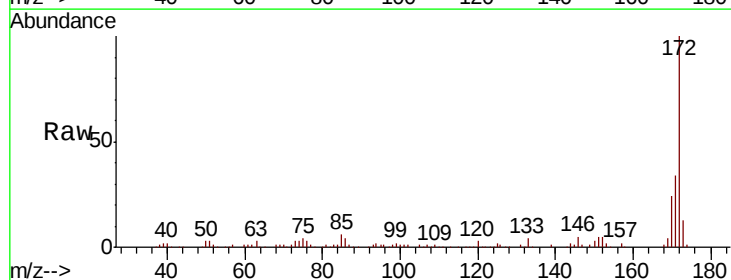
Tgt Ion:172 Resp: 264183

Ion Ratio Lower Upper

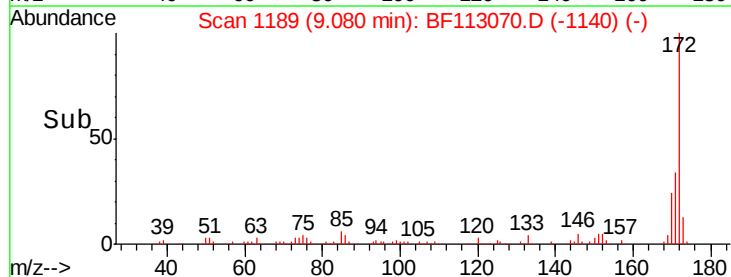
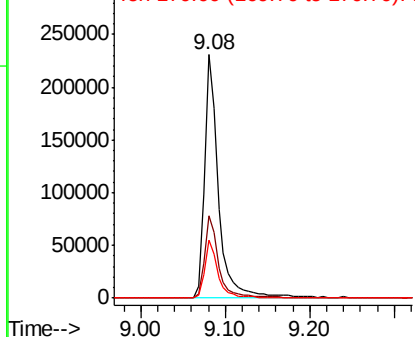
172 100

171 33.8 29.0 43.4

170 23.6 20.0 30.0



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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

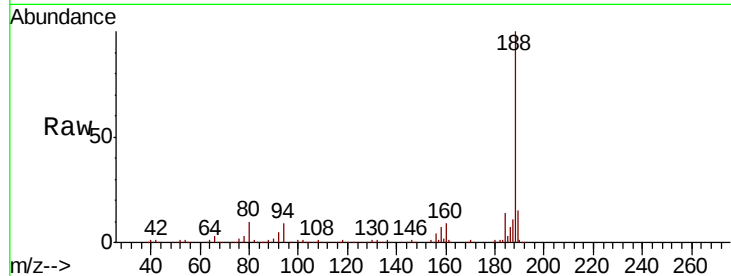
Tot Ion:188 Resp: 507701

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

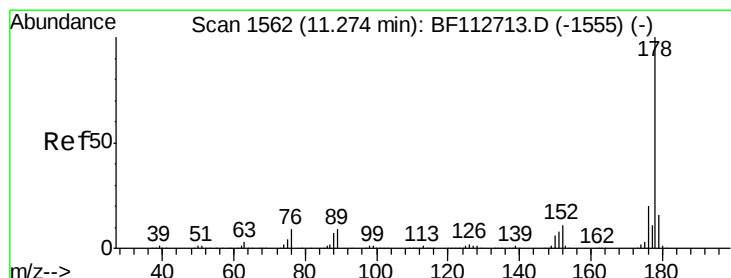
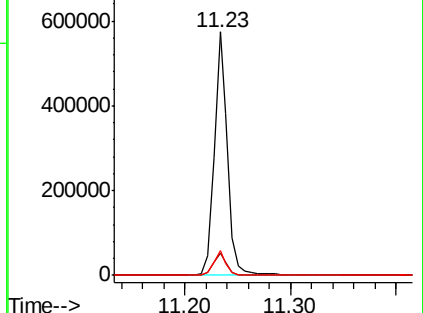
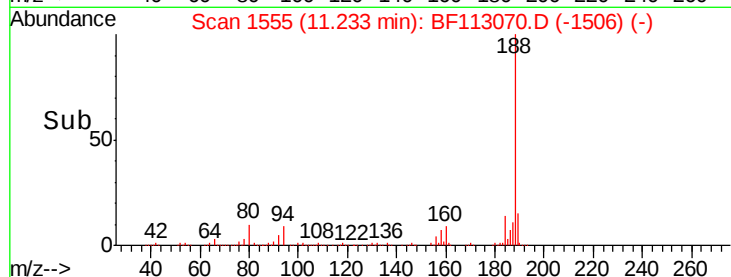
80 9.9 9.2 13.8



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: 6.043 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

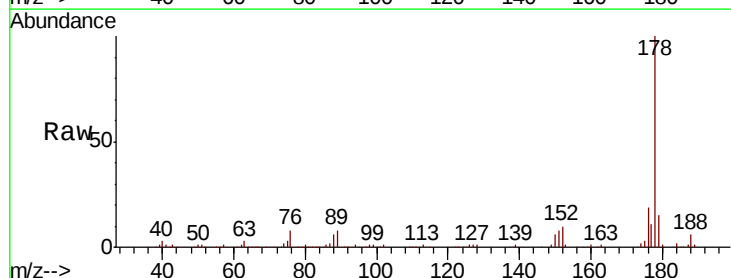
Tgt Ion:178 Resp: 152641

Ion Ratio Lower Upper

178 100

176 18.9 16.3 24.5

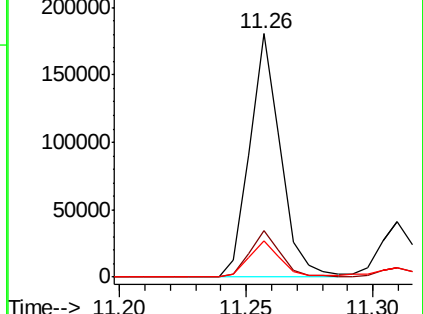
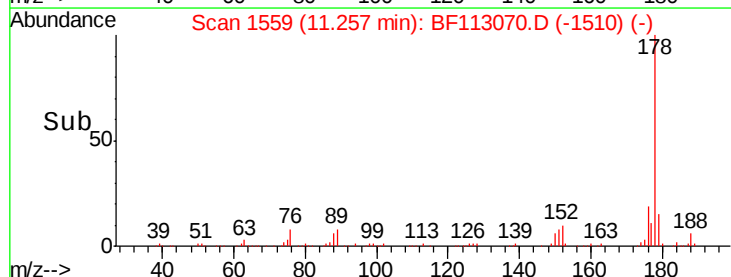
179 14.6 12.7 19.1

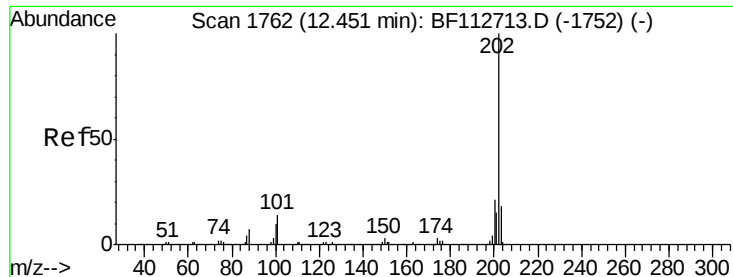


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.222 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

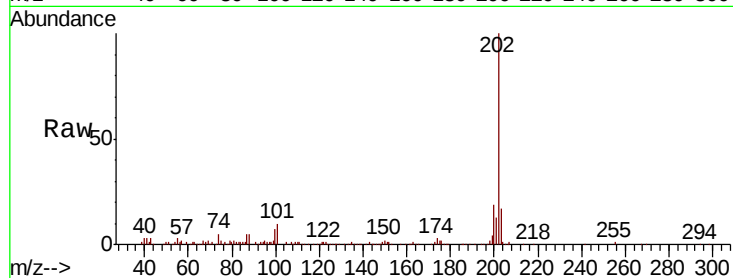
Tot Ion:202 Resp: 168401

Ion Ratio Lower Upper

202 100

101 9.7 0.0 33.8

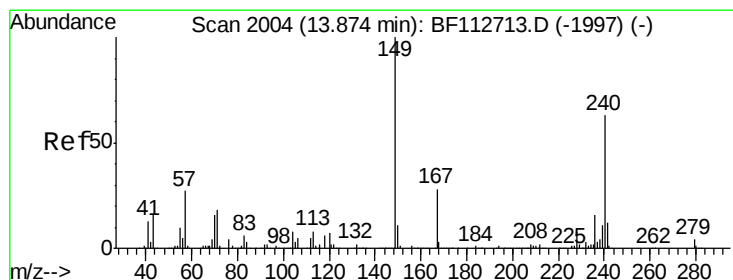
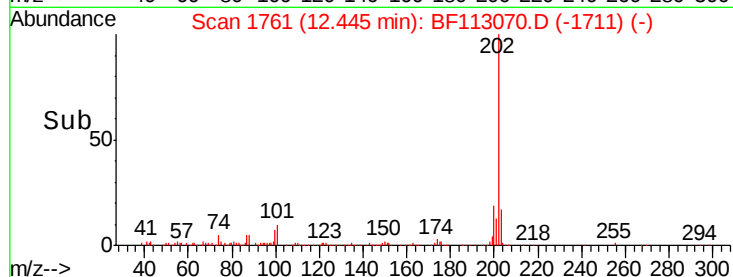
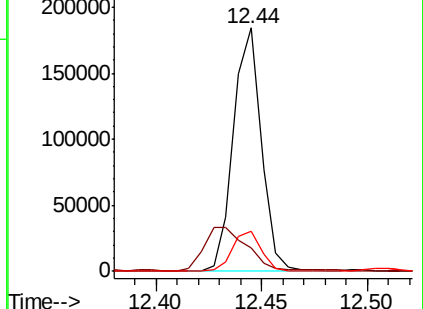
203 16.7 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

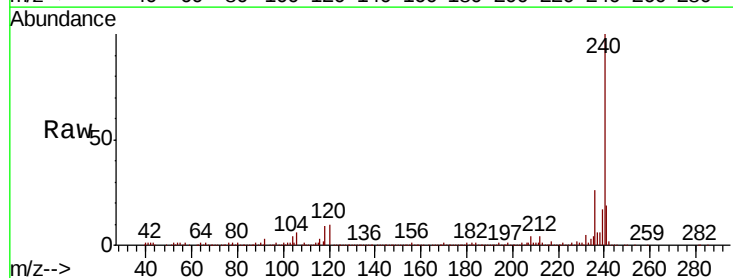
Tgt Ion:240 Resp: 449520

Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

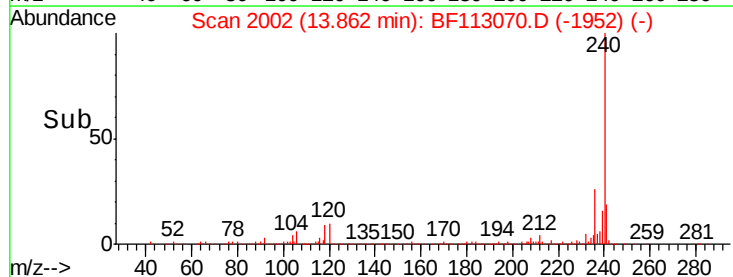
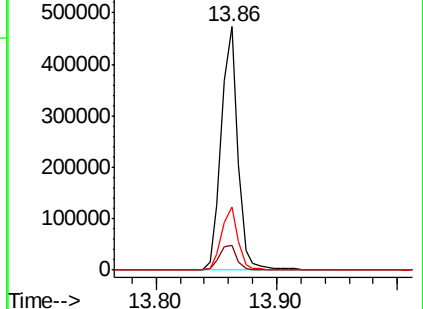
236 26.2 20.7 31.1

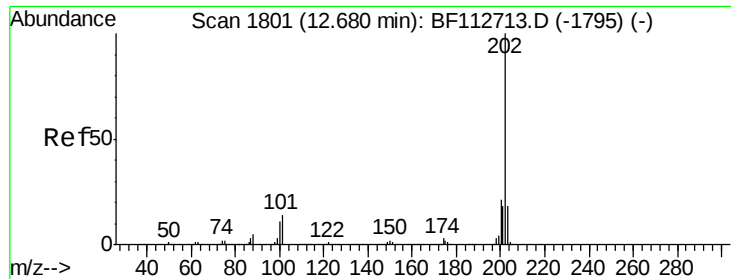


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.577 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

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AU-05-031419-A

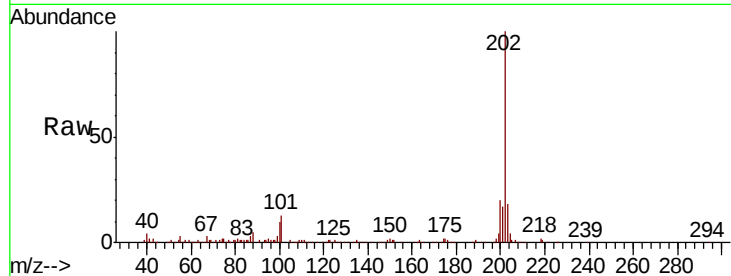
Tot Ion:202 Resp: 135553

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 18.2 14.4 21.6

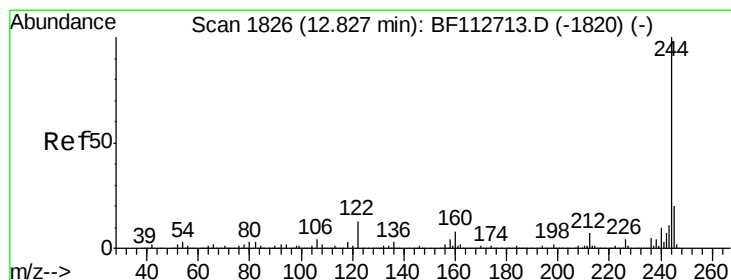
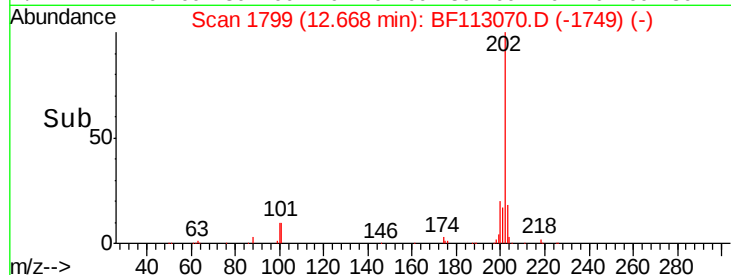
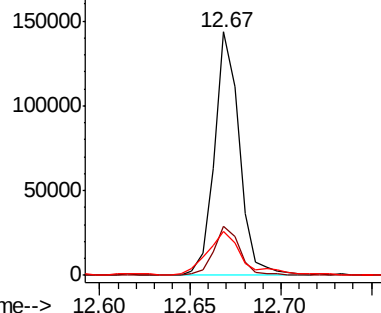


Abundance

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: 14.902 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

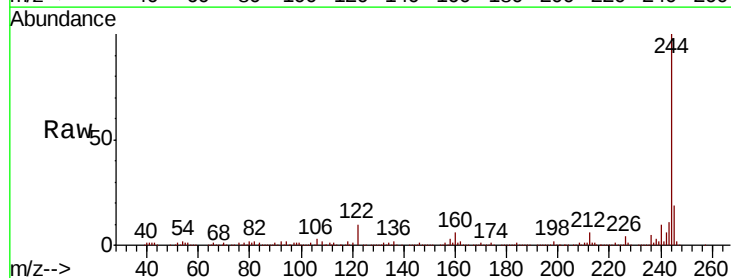
Tgt Ion:244 Resp: 345567

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 10.4 10.5 15.7#

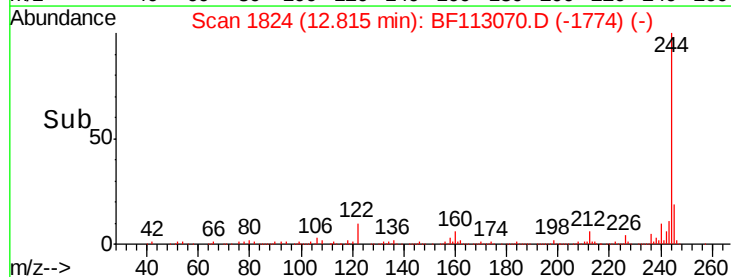
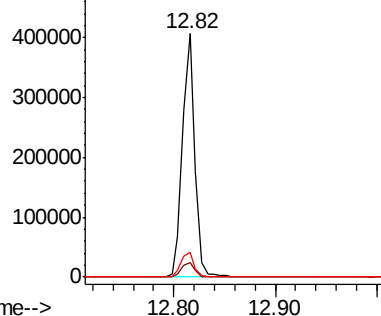


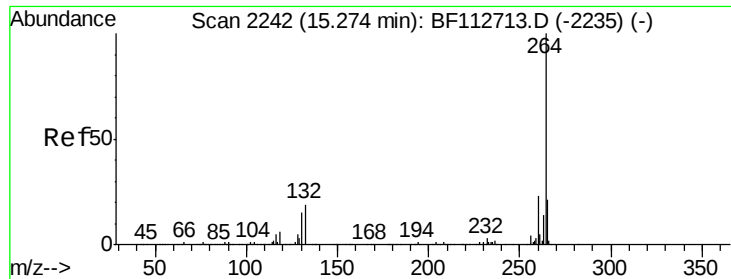
Abundance

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

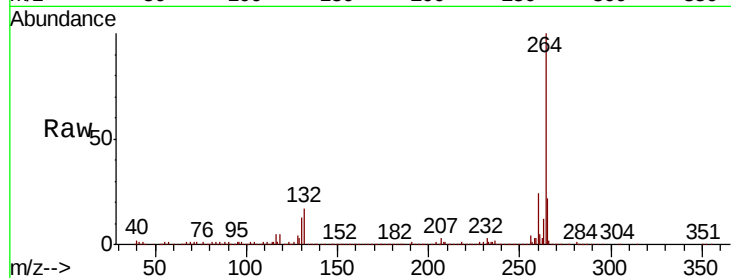




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113070.D
 Acq: 15 Mar 2019 17:17

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-031419-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.0	17.2	25.8



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

