

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104697.D
 Acq On : 21 Apr 2018 2:25
 Operator : JU/SJ
 Sample : J2453-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-15 0.5-1.0

Quant Time: Apr 21 04:19:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114584	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	453123	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	179644	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	282926	20.00	ng	0.00
75) Chrysene-d12	13.97	240	227382	20.00	ng	0.00
86) Perylene-d12	15.44	264	176807	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	490707	65.48	ng	0.00
7) Phenol-d6	6.44	99	626961	68.09	ng	0.00
23) Nitrobenzene-d5	7.37	82	499522	71.98	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	91913	49.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	798800	70.24	ng	0.00
78) Terphenyl-d14	12.92	244	607539	60.91	ng	0.00

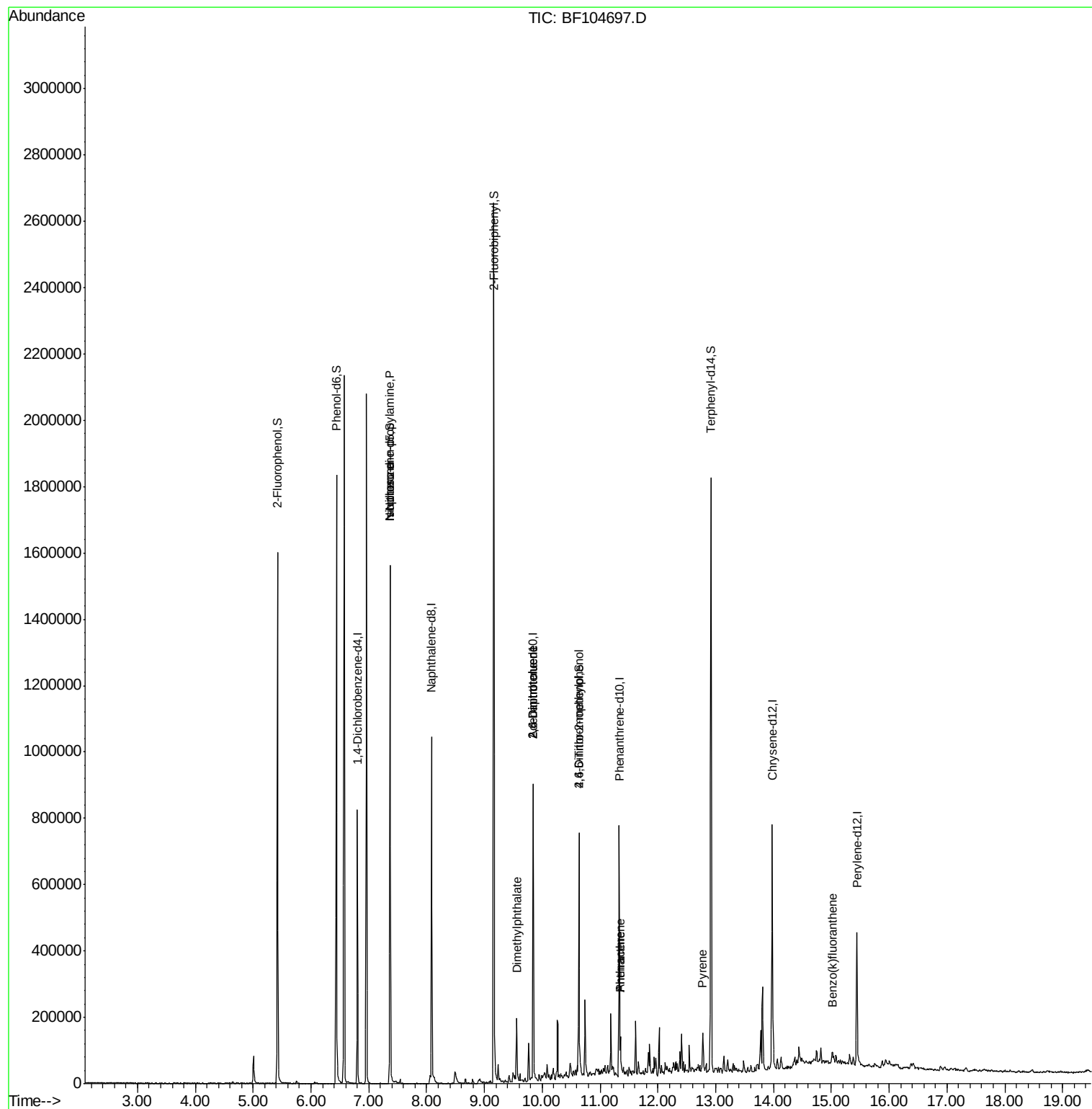
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	64633	10.742	ng	# 72
25) Isophorone	7.37	82	499514	34.040	ng	# 64
49) Dimethylphthalate	9.56	163	74622	5.268	ng	99
50) 2,6-Dinitrotoluene	9.84	165	22971	8.763	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	22971	6.681	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	116	7.418	ng	# 1
70) Phenanthrene	11.35	178	38525	2.445	ng	99
71) Anthracene	11.35	178	38525	2.405	ng	100
76) Benzydine	12.92	184	7915	Below Cal		96
77) Pyrene	12.77	202	41113	2.439	ng	98
88) Benzo(k)fluoranthene	15.02	252	22294	2.115	ng	93

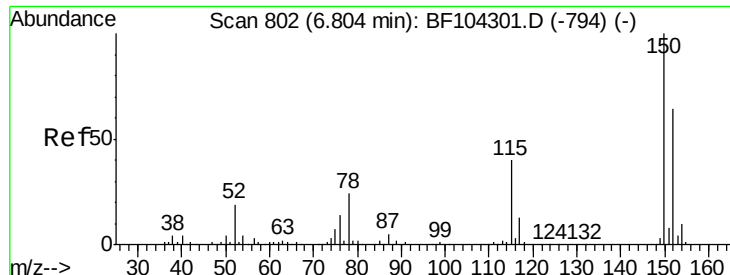
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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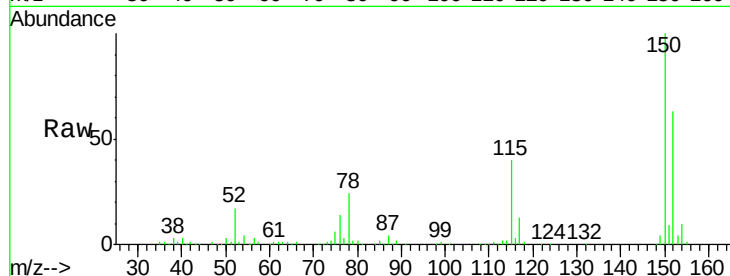


#1

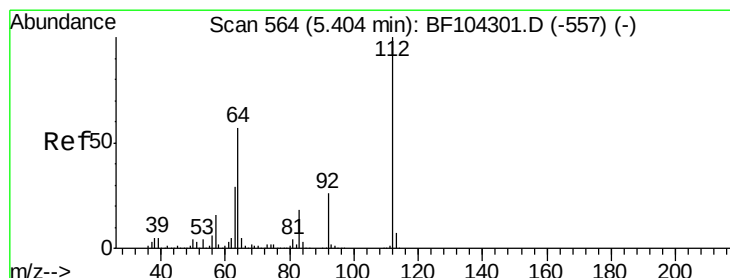
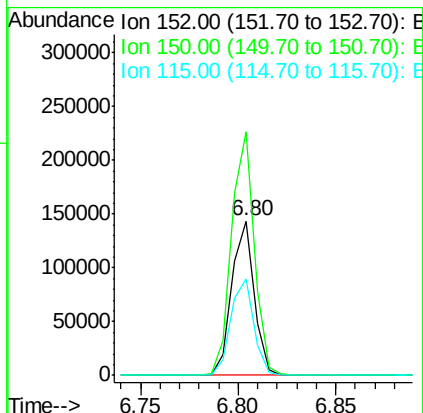
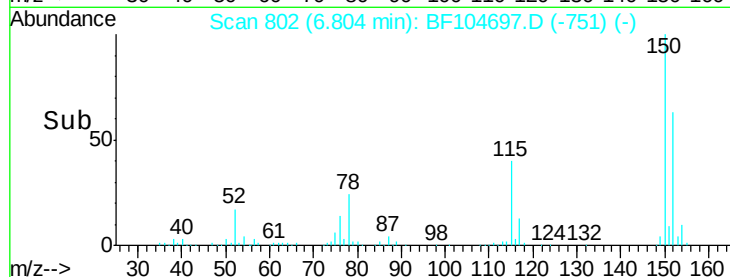
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Instrument :
 BNA_F
 ClientSampleId :
 T-15 0.5-1.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	62.8	50.1	75.1



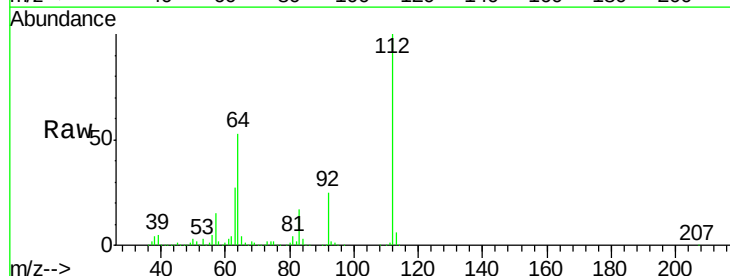
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



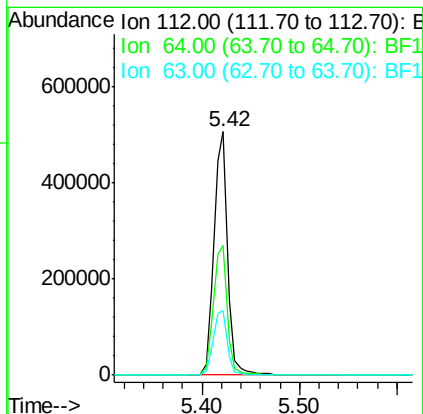
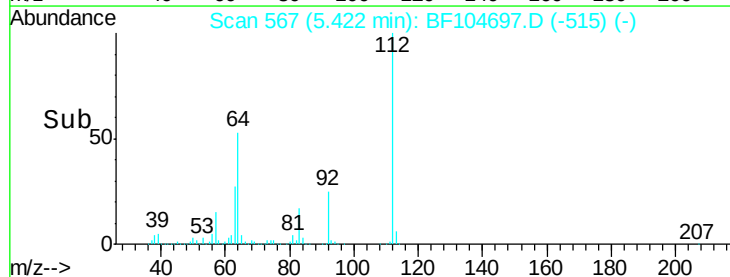
#5

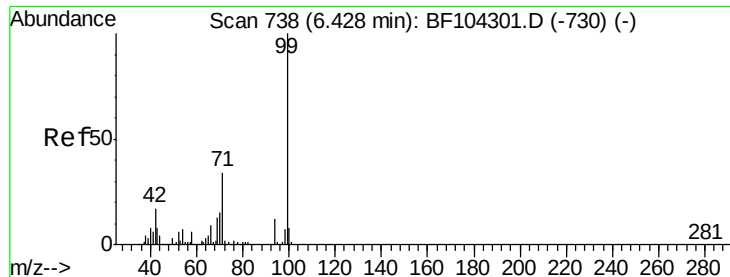
2-Fluorophenol
 Concen: 65.482 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	26.5	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: 68.093 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104697.D

Acq: 21 Apr 2018 2:25

Instrument :

BNA_F

ClientSampleId :

T-15 0.5-1.0

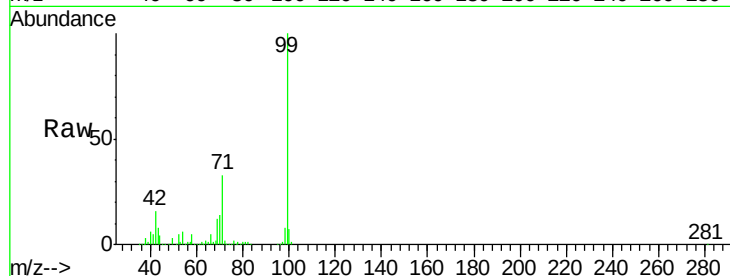
Tot Ion: 99 Resp: 626961

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

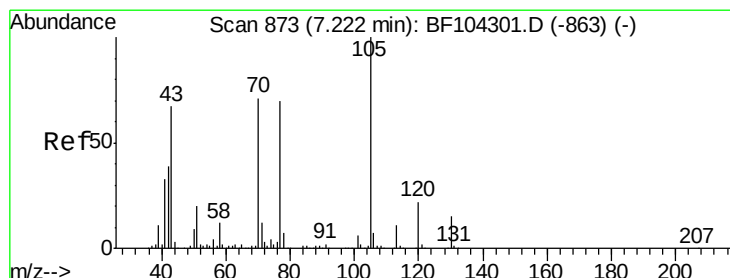
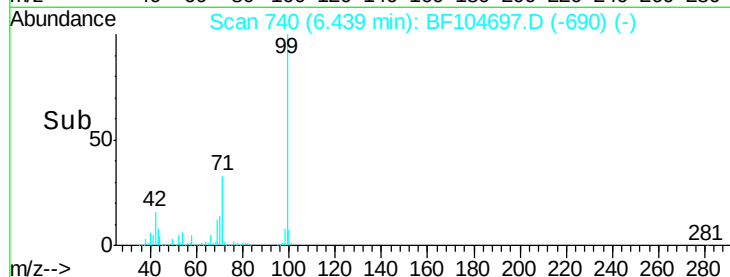
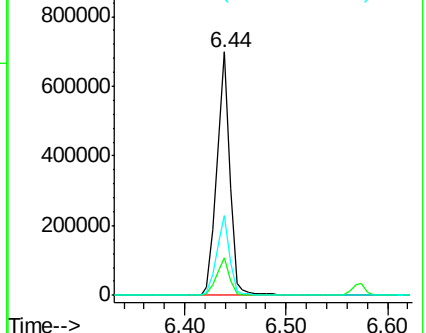
71 33.0 25.4 38.0



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: 10.742 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104697.D

Acq: 21 Apr 2018 2:25

Tgt Ion: 70 Resp: 64633

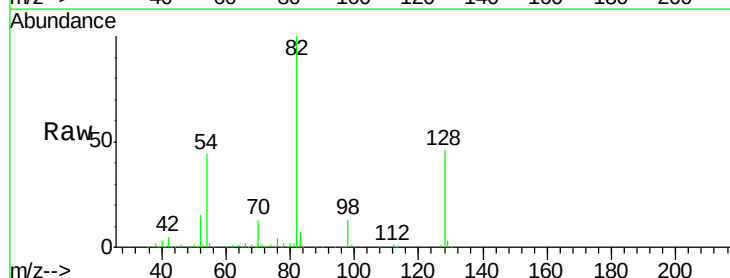
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

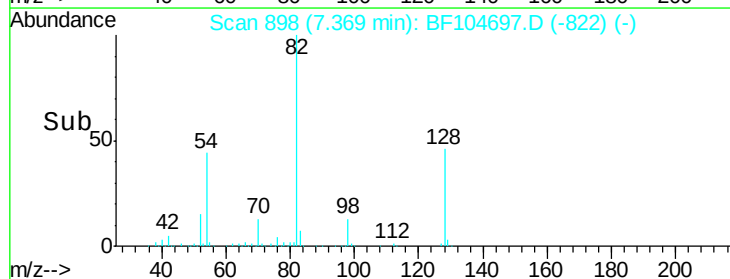
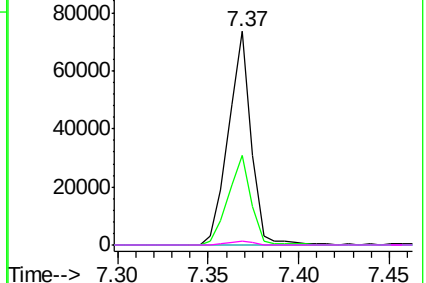


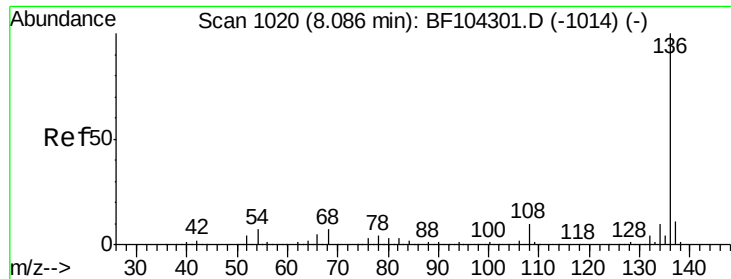
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

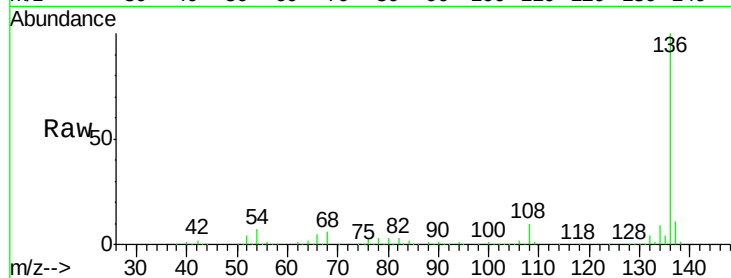




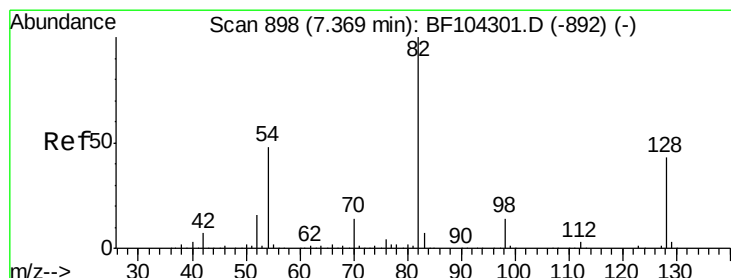
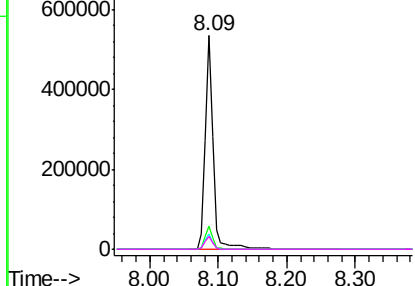
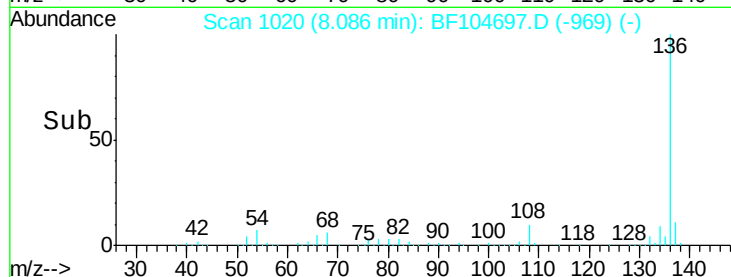
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104697.D
Acq: 21 Apr 2018 2:25

Instrument :
BNA_F
ClientSampleId :
T-15 0.5-1.0

Tot Ion:136	Resp:	453123
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.1	6.6 9.8
68	6.0	5.0 7.4

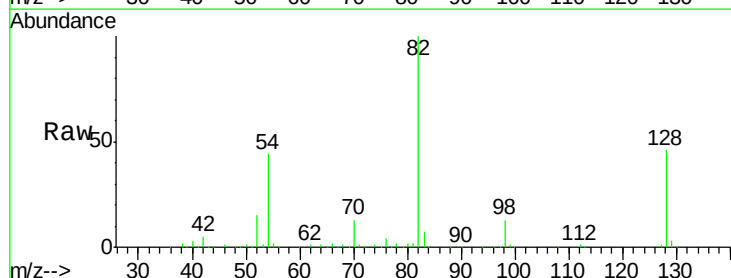


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

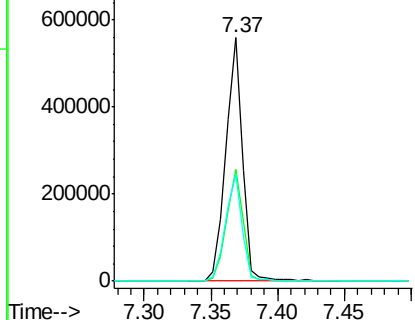
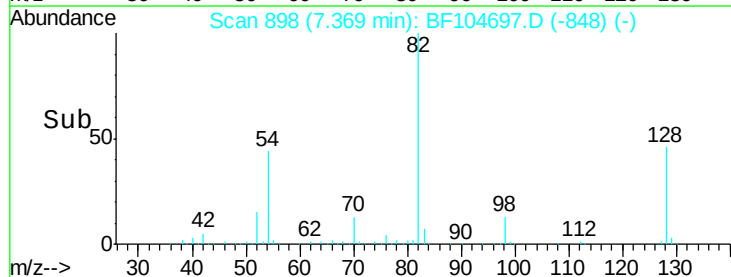


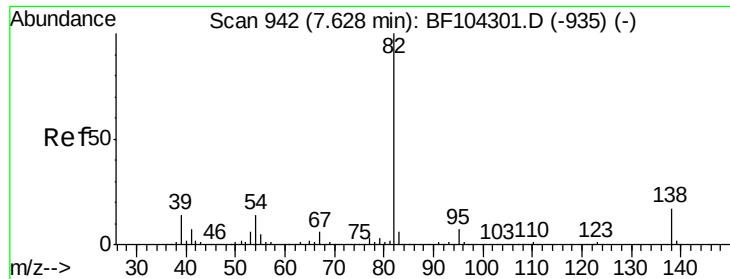
#23
Nitrobenzene-d5
Concen: 71.984 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104697.D
Acq: 21 Apr 2018 2:25

Tgt Ion: 82	Resp:	499522
Ion Ratio	Lower	Upper
82	100	
128	45.9	36.1 54.1
54	44.0	41.4 62.2



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: 34.040 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104697.D

Acq: 21 Apr 2018 2:25

Instrument :

BNA_F

ClientSampleId :

T-15 0.5-1.0

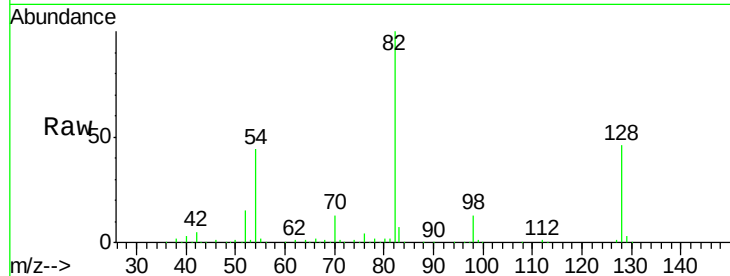
Tot Ion: 82 Resp: 499514

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

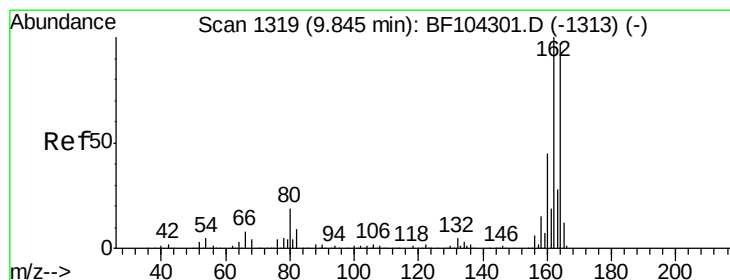
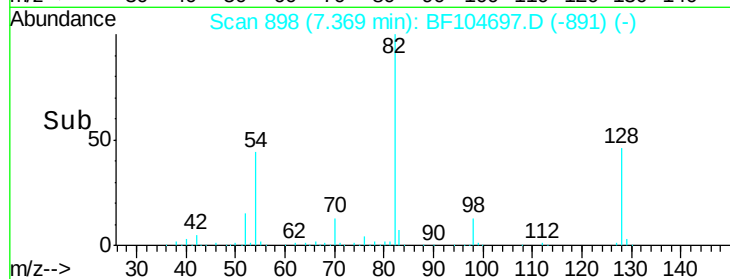
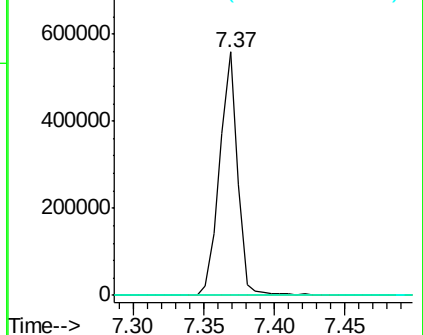
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104697.D

Acq: 21 Apr 2018 2:25

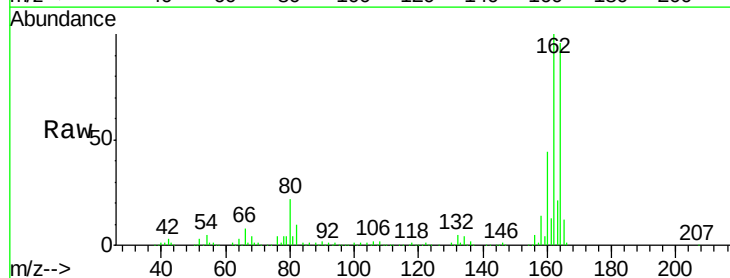
Tgt Ion:164 Resp: 179644

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

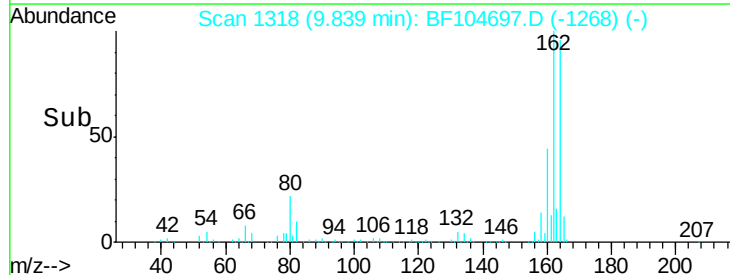
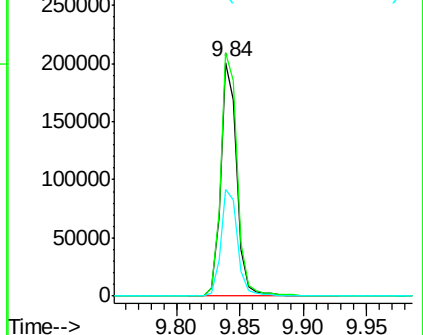
160 45.6 38.3 57.5

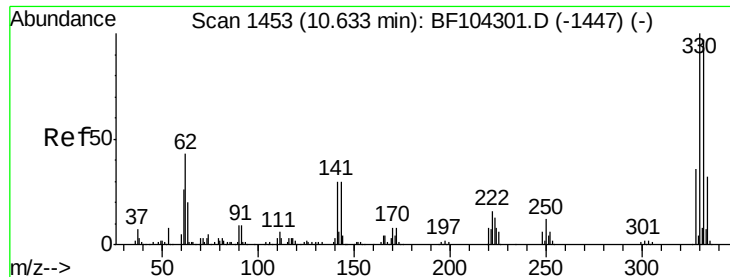


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

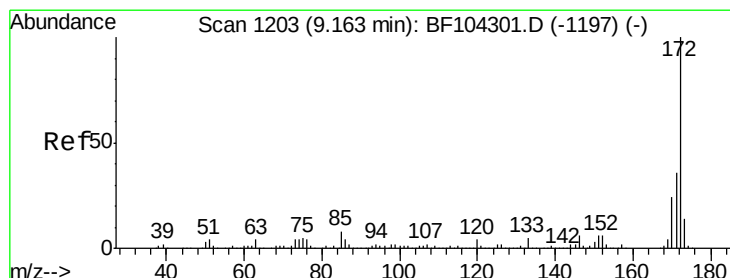
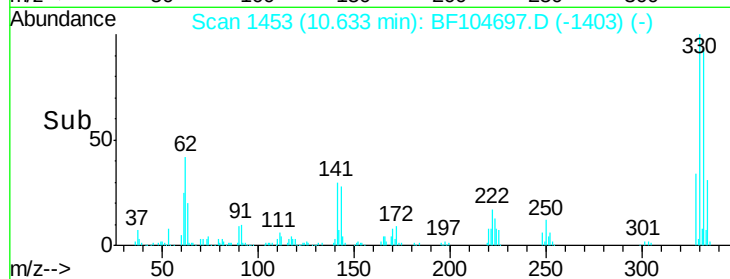
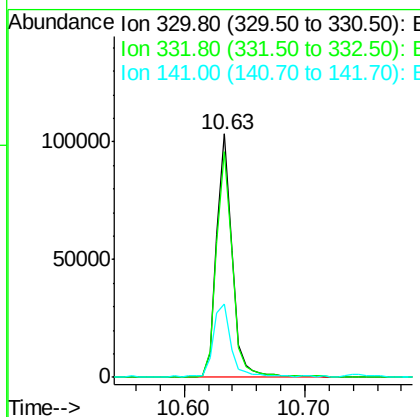
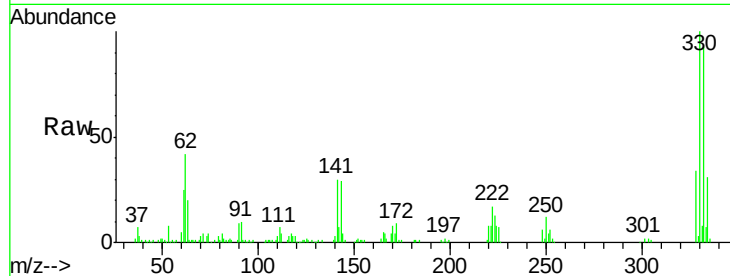




#41
 2,4,6-Tribromophenol
 Concen: 49.323 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

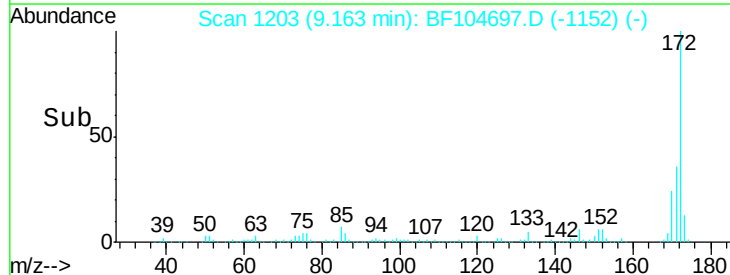
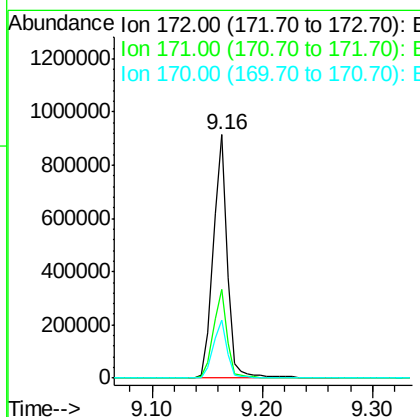
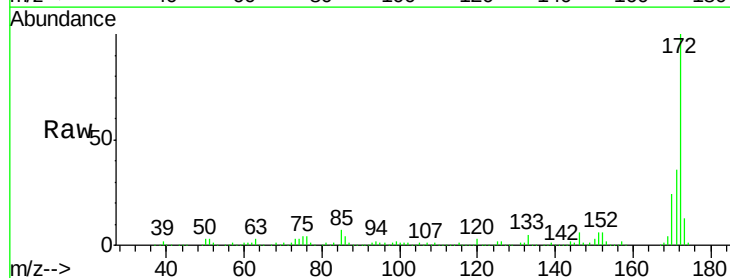
Instrument :
 BNA_F
 ClientSampleId :
 T-15 0.5-1.0

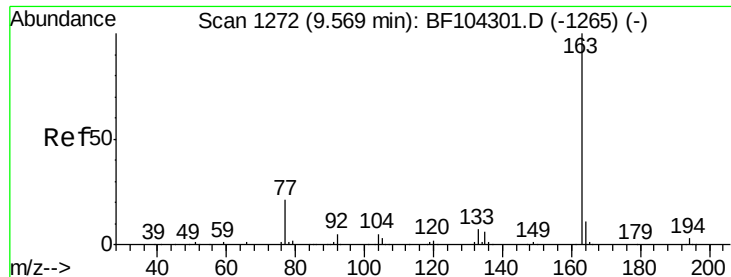
Tot Ion	330	Resp	91913
Ion Ratio	100	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	35.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 70.245 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Tgt Ion	172	Resp	798800
Ion Ratio	100	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 5.268 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104697.D

Acq: 21 Apr 2018 2:25

Instrument :

BNA_F

ClientSampleId :

T-15 0.5-1.0

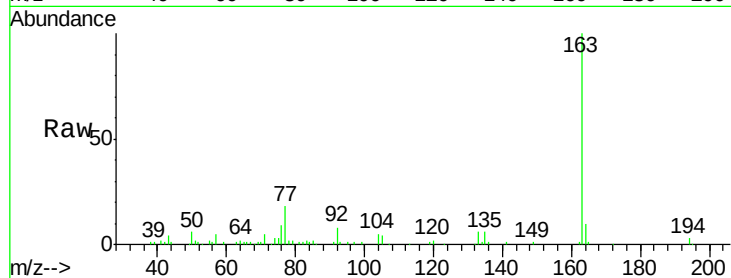
Tot Ion:163 Resp: 74622

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

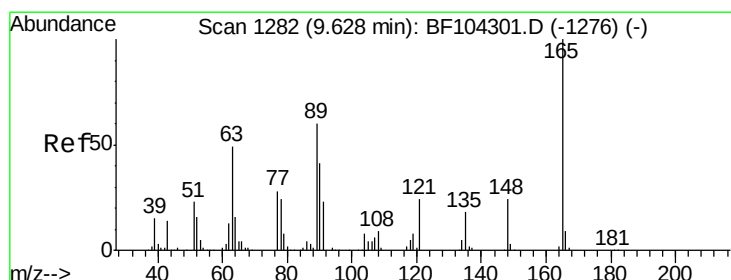
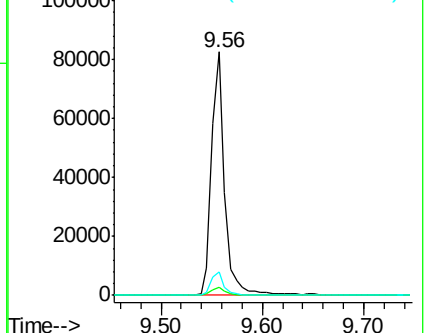
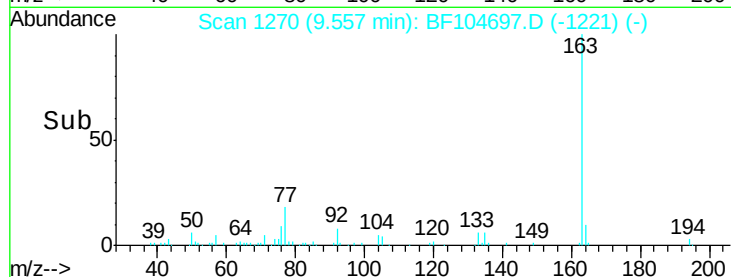
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.763 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104697.D

Acq: 21 Apr 2018 2:25

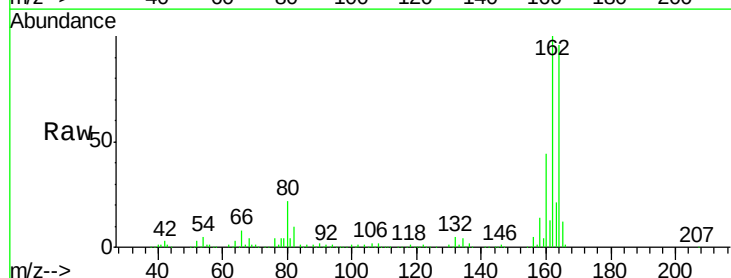
Tgt Ion:165 Resp: 22971

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

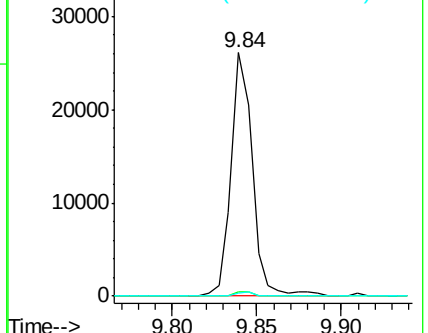
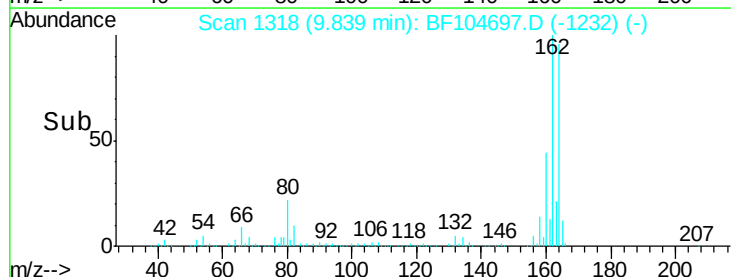
89 1.4 44.0 66.0#

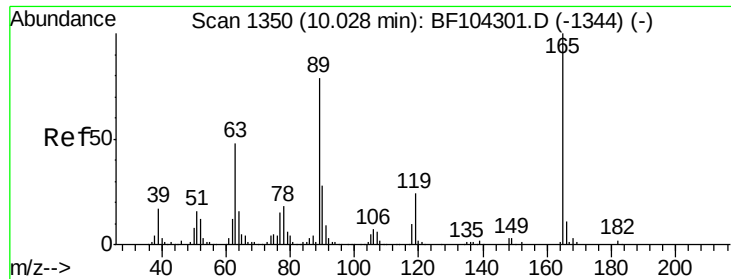


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

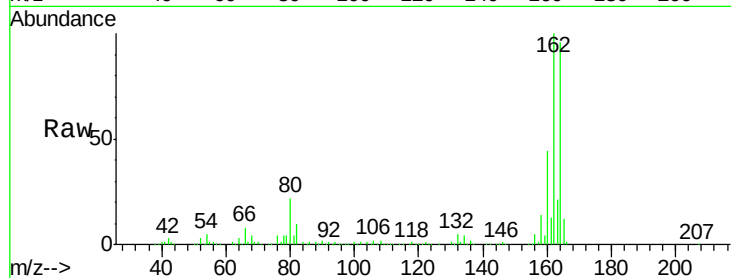




#56
 2,4-Dinitrotoluene
 Concen: 6.681 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Instrument :
 BNA_F
 ClientSampleId :
 T-15 0.5-1.0

Tot Ion:165	Resp:	22971
Ion Ratio	Lower	Upper
165	100	
63	1.8	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

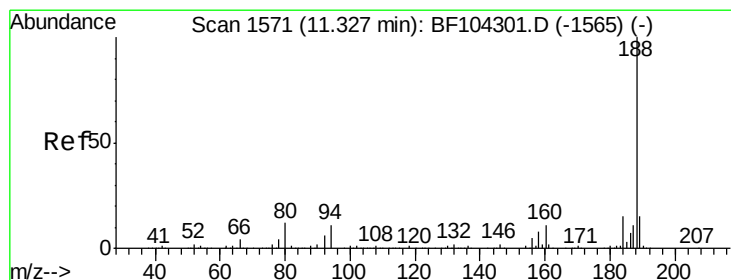
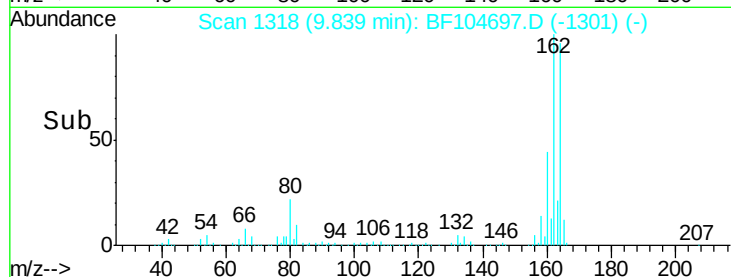
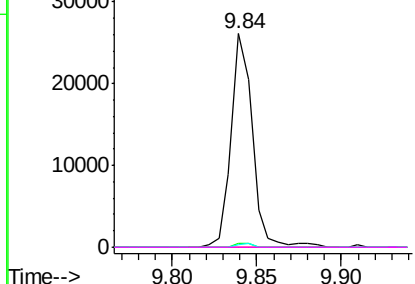


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

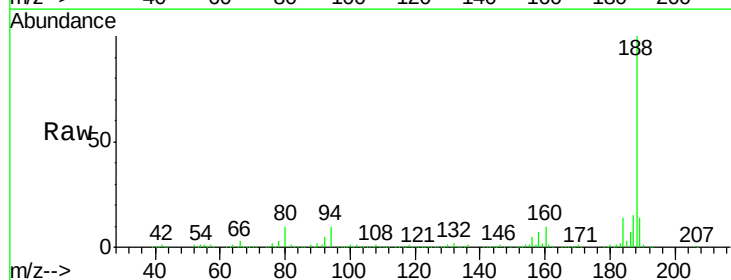
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

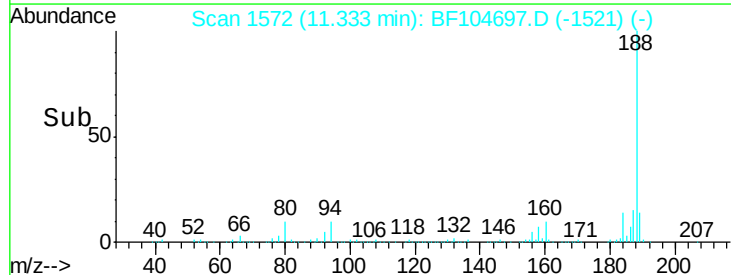
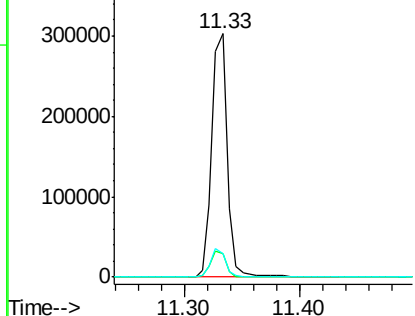
Tgt Ion:188	Resp:	282926
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.5 12.7
80	9.5	9.2 13.8

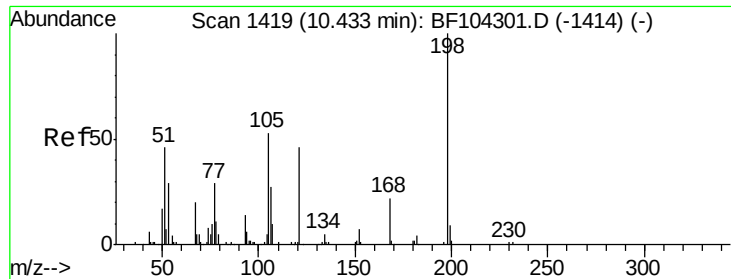


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

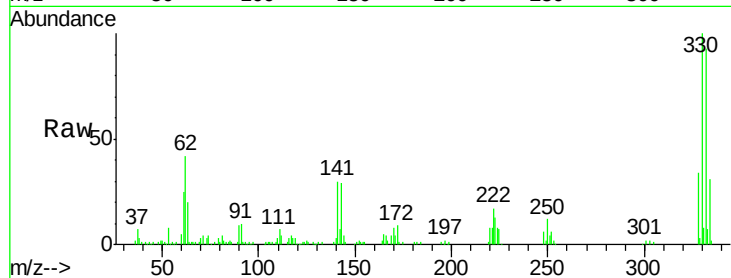




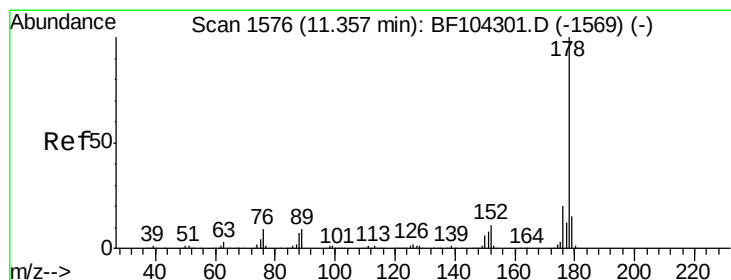
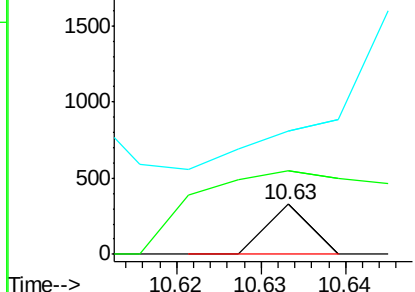
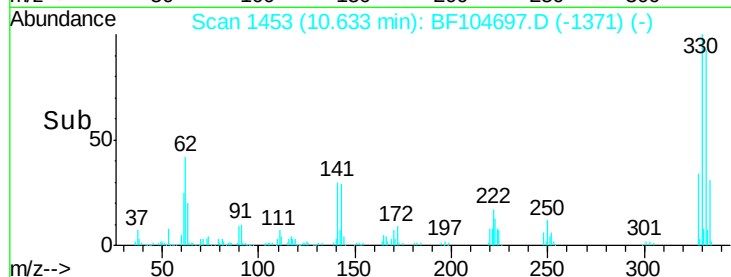
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.418 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Instrument :
 BNA_F
 ClientSampleId :
 T-15 0.5-1.0

Tot Ion:198 Resp: 116
 Ion Ratio Lower Upper
 198 100
 51 167.4 37.7 77.7#
 105 246.6 36.3 76.3#

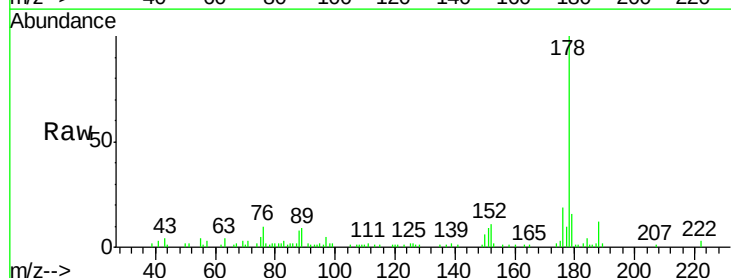


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

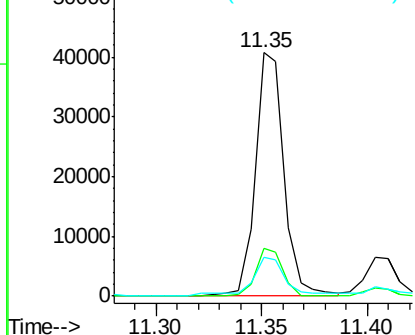
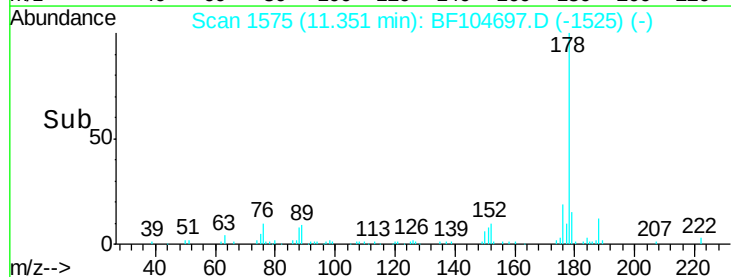


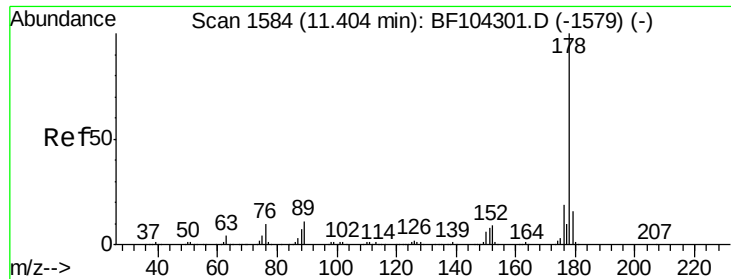
#70
 Phenanthrene
 Concen: 2.445 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Tgt Ion:178 Resp: 38525
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.7 13.0 19.6



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

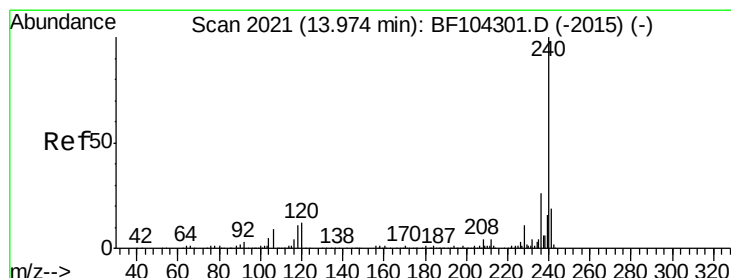
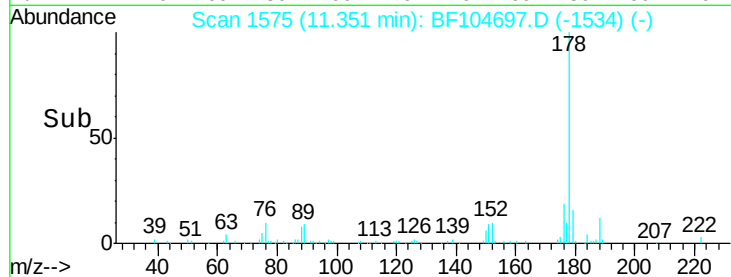
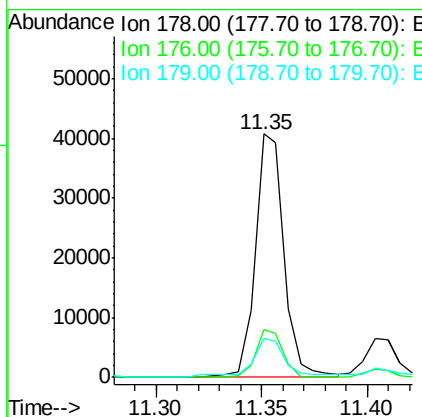
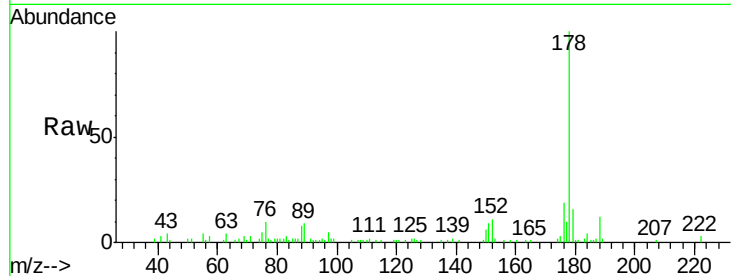




#71
 Anthracene
 Concen: 2.405 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.06 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

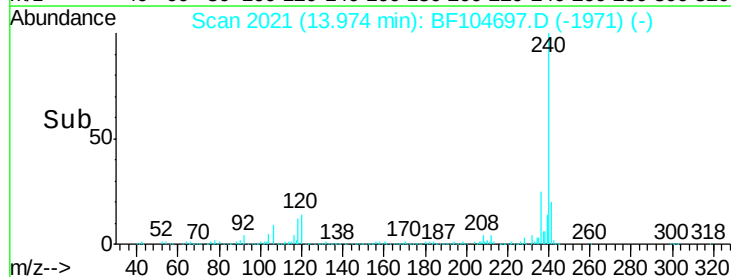
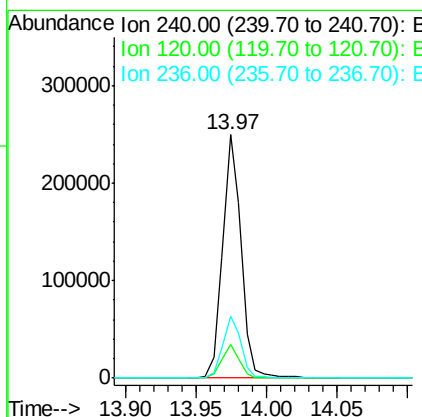
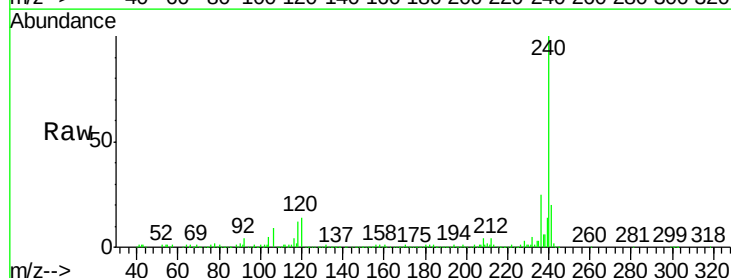
Instrument :
 BNA_F
 ClientSampleId :
 T-15 0.5-1.0

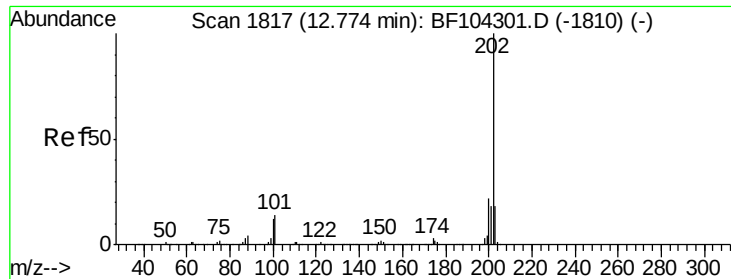
Tot Ion:178 Resp: 38525
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.7 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104697.D
 Acq: 21 Apr 2018 2:25

Tgt Ion:240 Resp: 227382
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.5 14.3
 236 25.2 20.7 31.1

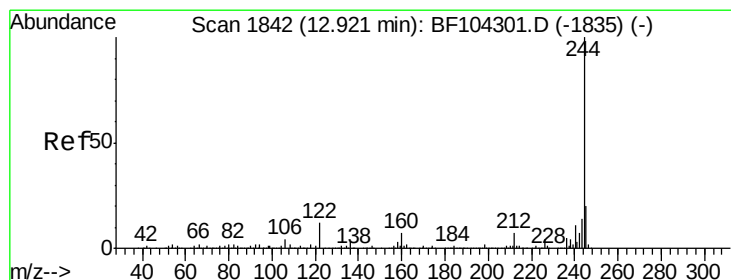
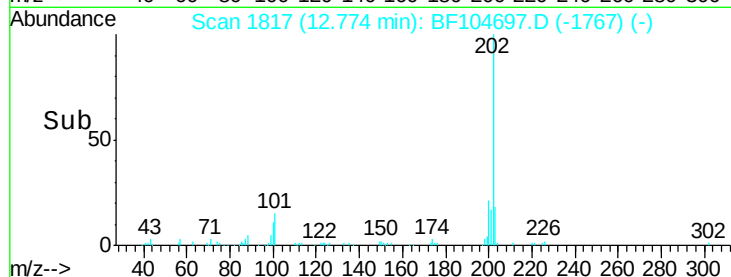
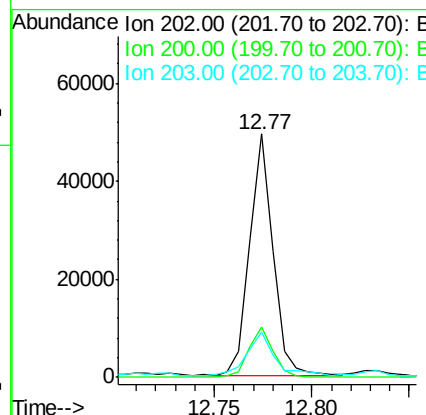
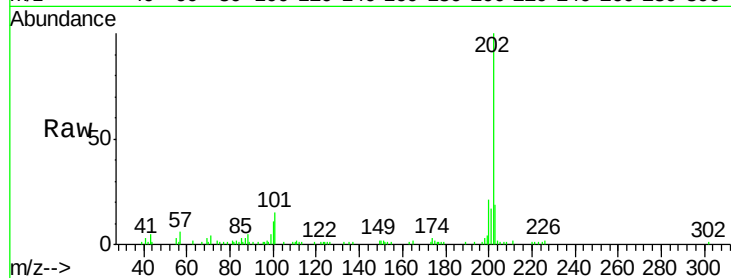




#77
Pvrene
Concen: 2.439 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104697.D
Acq: 21 Apr 2018 2:25

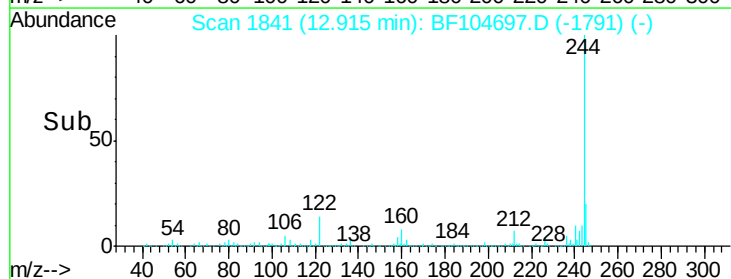
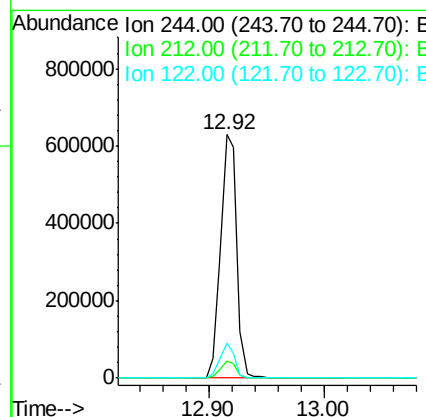
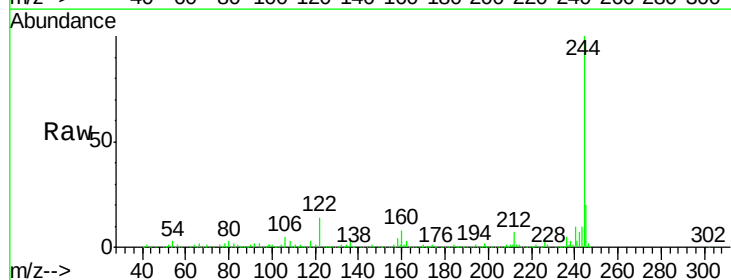
Instrument :
BNA_F
ClientSampleId :
T-15 0.5-1.0

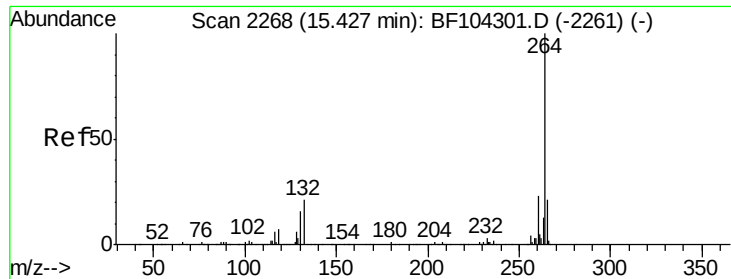
Tot Ion:202 Resp: 41113
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 60.914 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104697.D
Acq: 21 Apr 2018 2:25

Tgt Ion:244 Resp: 607539
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 14.1 11.0 16.4

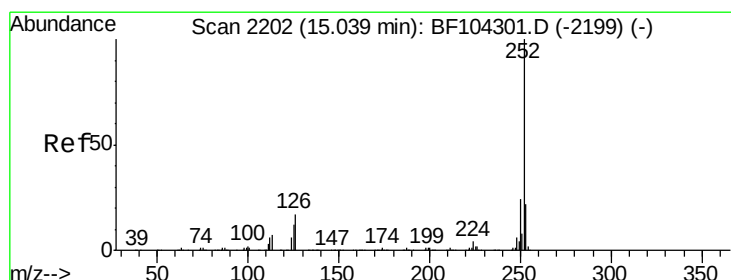
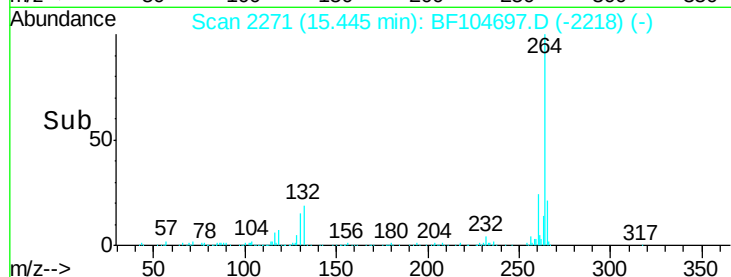
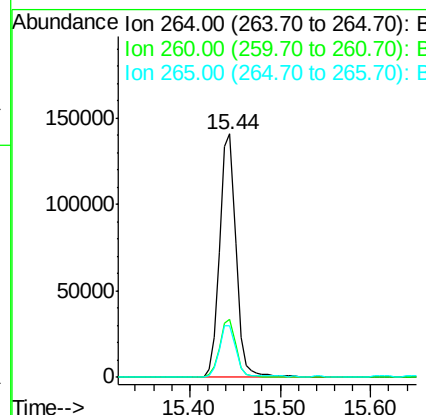
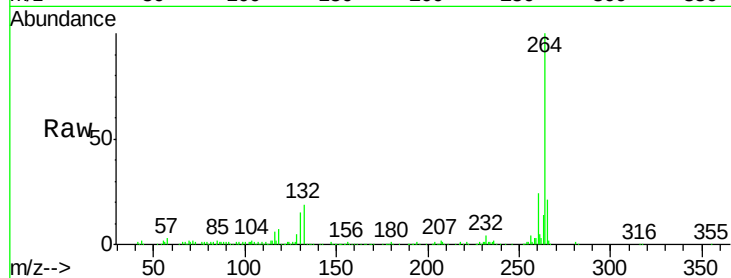




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104697.D
Acq: 21 Apr 2018 2:25

Instrument :
BNA_F
ClientSampleId :
T-15 0.5-1.0

Tot Ion:264 Resp: 176807
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.3 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.115 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF104697.D
Acq: 21 Apr 2018 2:25

Tgt Ion:252 Resp: 22294
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 14.6 10.2 15.2

