

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099794.D
 Acq On : 24 Oct 2017 18:03
 Operator : SJ/JU
 Sample : I6025-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 07:36:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

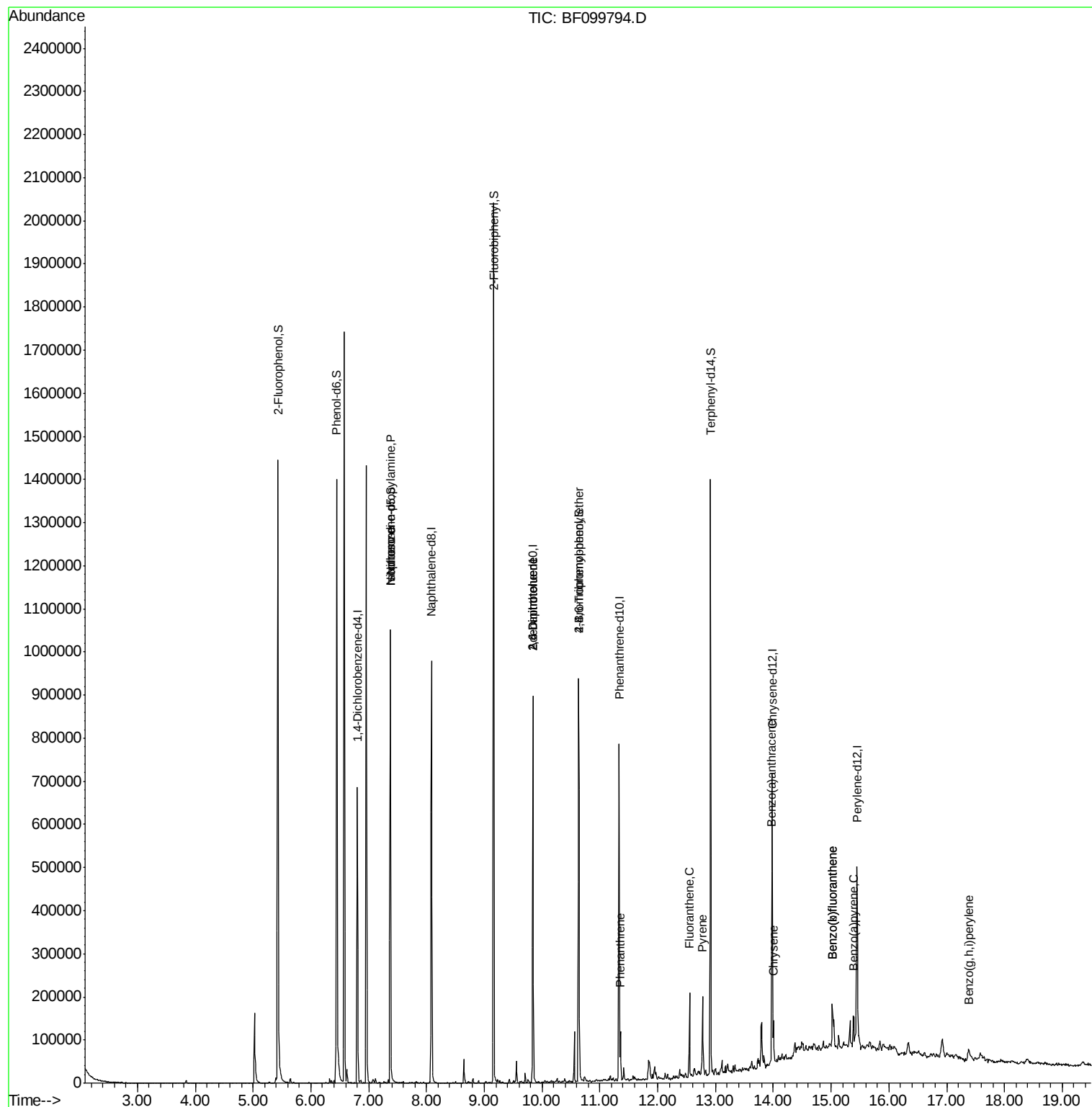
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105762	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	432437	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	182792	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	272457	20.00	ng	0.00
75) Chrysene-d12	13.98	240	193930	20.00	ng	0.00
86) Perylene-d12	15.45	264	183265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	503813	74.79	ng	0.00
7) Phenol-d6	6.45	99	603284	75.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	343649	51.16	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	108410	65.08	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	657823	55.52	ng	0.00
78) Terphenyl-d14	12.92	244	422956	47.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	43260	9.24	ng	# 72
25) Isophorone	7.37	82	343647	28.19	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	23726	7.80	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	23726	6.47	ng	# 21
66) 4-Bromophenyl-phenylether	10.63	248	7117	2.48	ng	# 1
70) Phenanthrene	11.36	178	43179	2.81	ng	96
74) Fluoranthene	12.55	202	78805	4.93	ng	96
77) Pyrene	12.78	202	73577	4.99	ng	97
80) Benzo(a)anthracene	13.97	228	40806	3.32	ng	99
82) Chrysene	14.00	228	38017	3.29	ng	97
87) Benzo(b)fluoranthene	15.02	252	68156	5.89	ng	# 95
88) Benzo(k)fluoranthene	15.02	252	68156	6.25	ng	# 96
89) Benzo(a)pyrene	15.39	252	36616	3.52	ng	# 95
91) Benzo(a,h,i)perylene	17.38	276	18647	2.06	ng	93

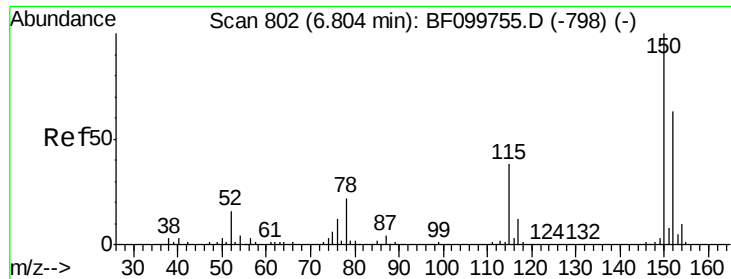
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampled :

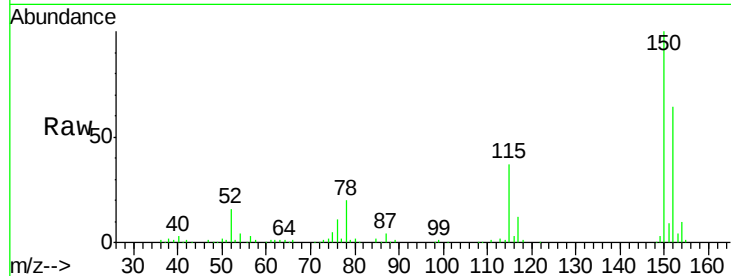
Tot Ion:152 Resp: 105762

Ion Ratio Lower Upper

152 100

150 155.6 124.6 186.8

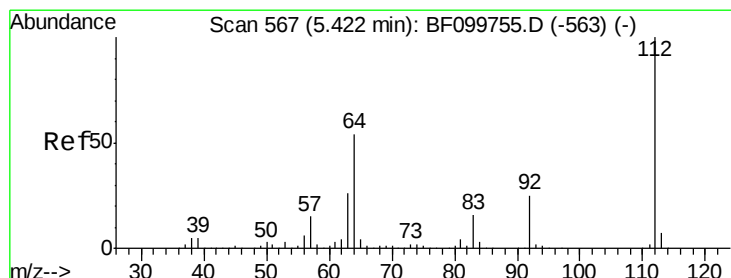
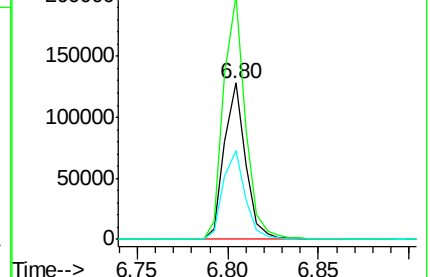
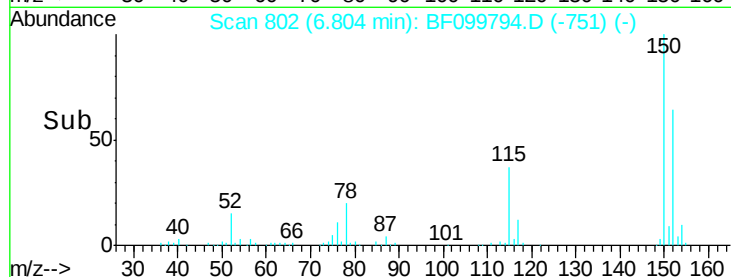
115 57.1 50.1 75.1



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: 74.79 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

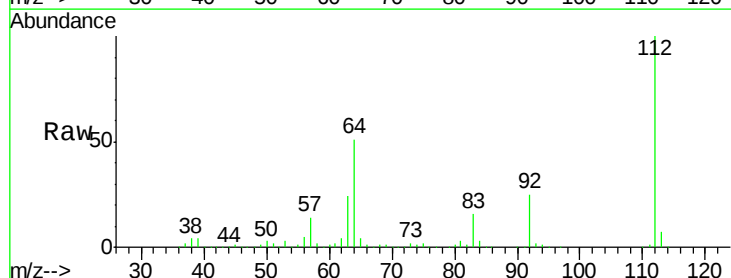
Tgt Ion:112 Resp: 503813

Ion Ratio Lower Upper

112 100

64 51.2 47.9 71.9

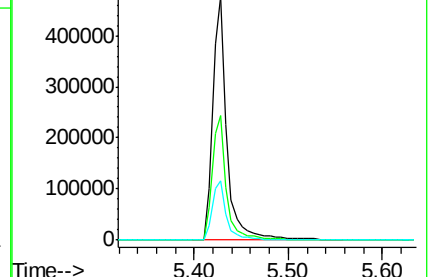
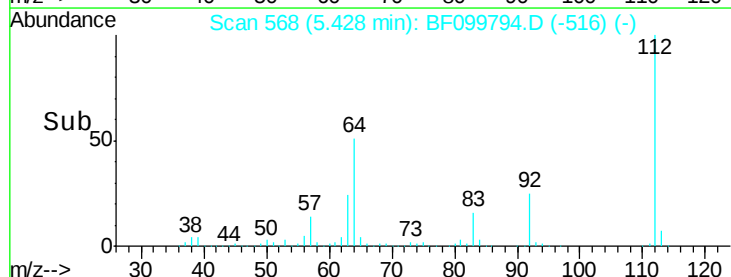
63 24.3 23.7 35.5

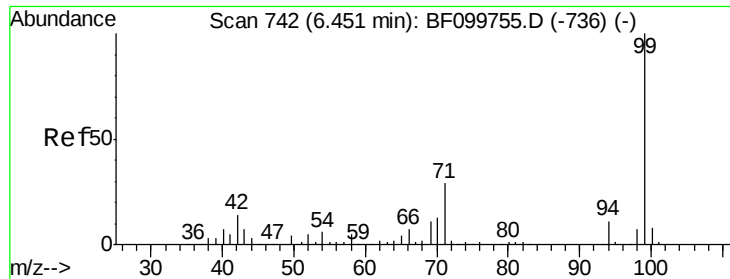


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 75.53 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampled :

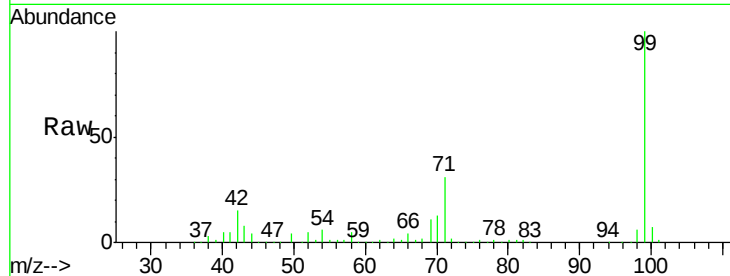
Tot Ion: 99 Resp: 603284

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

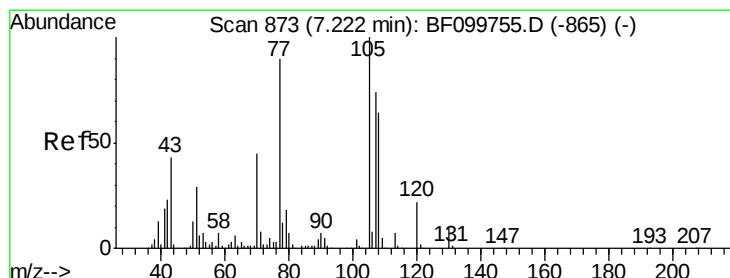
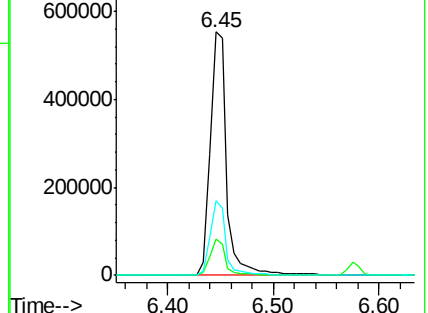
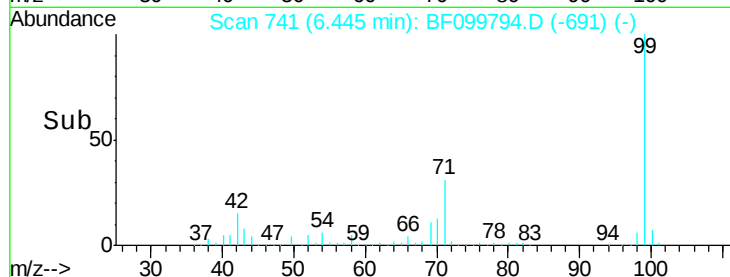
71 30.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.24 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Tgt Ion: 70 Resp: 43260

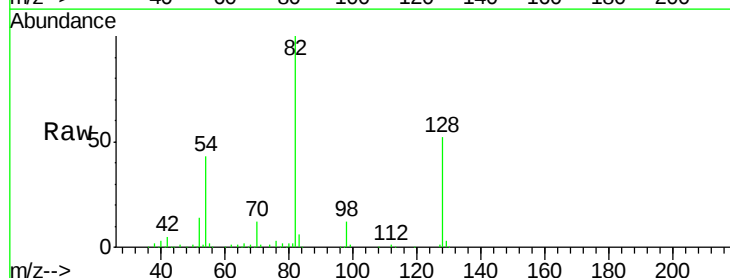
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

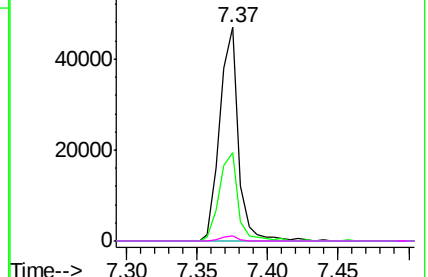
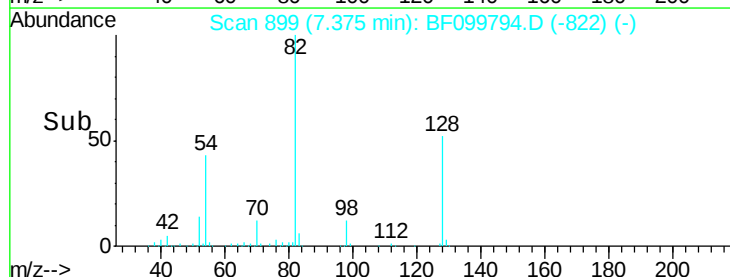


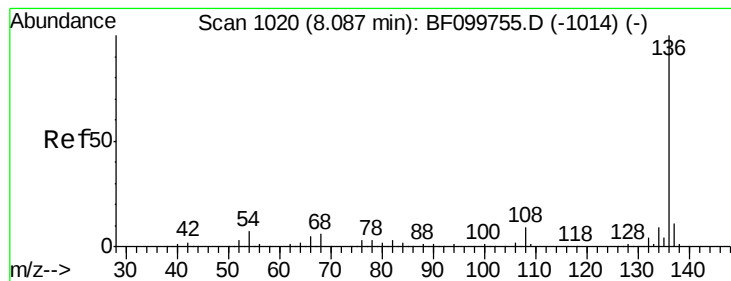
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 432437

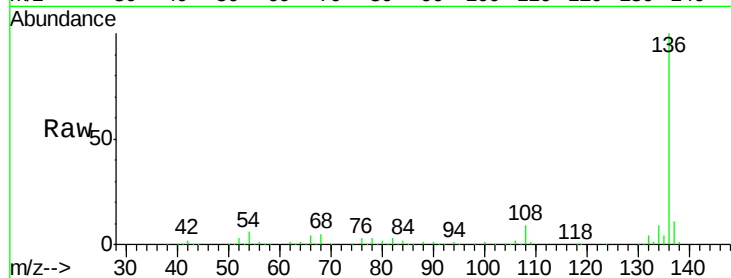
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4

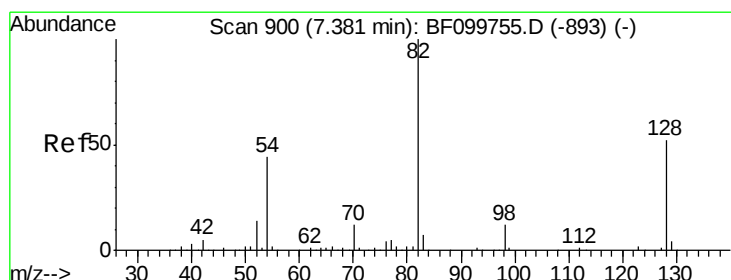
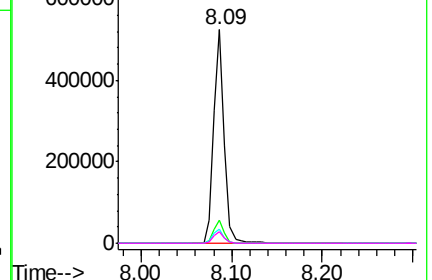
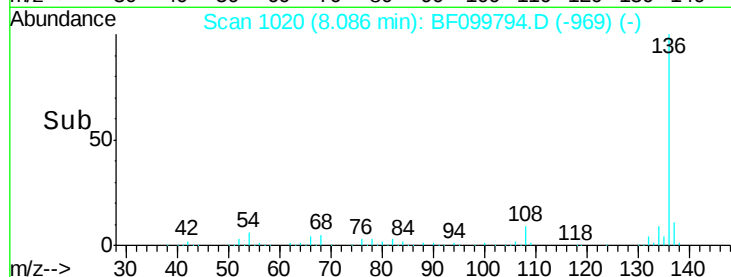


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 51.16 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

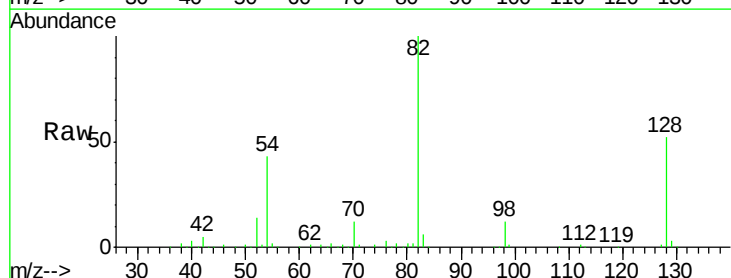
Tgt Ion: 82 Resp: 343649

Ion Ratio Lower Upper

82 100

128 51.5 36.1 54.1

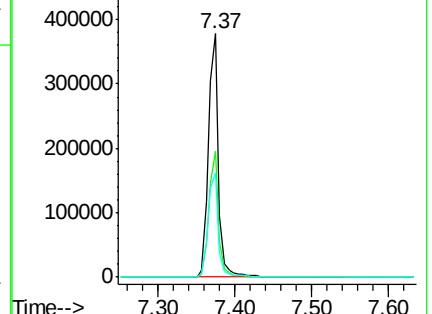
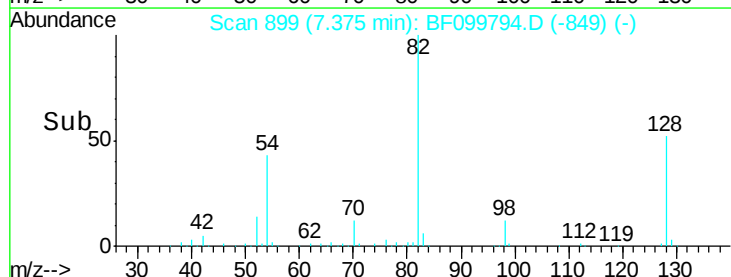
54 42.9 41.4 62.2

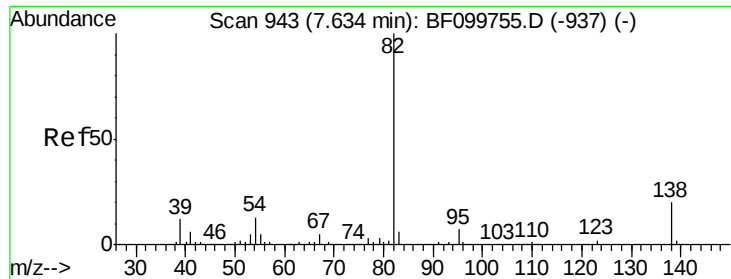


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.19 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

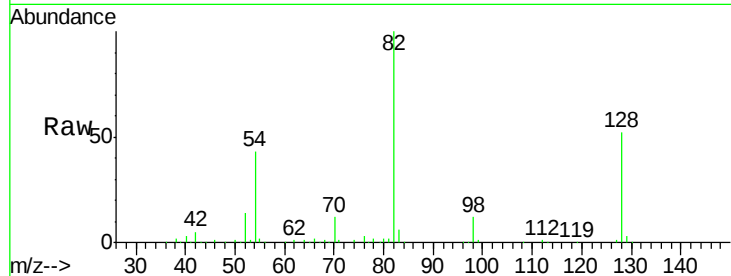
Tot Ion: 82 Resp: 343647

Ion Ratio Lower Upper

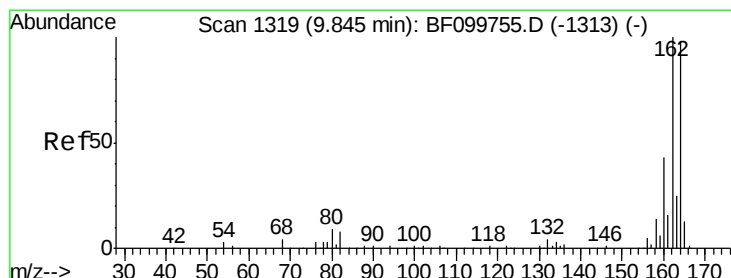
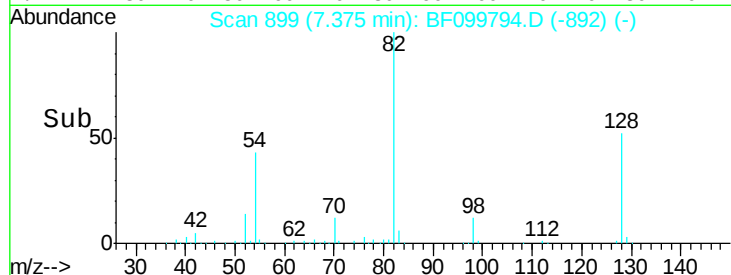
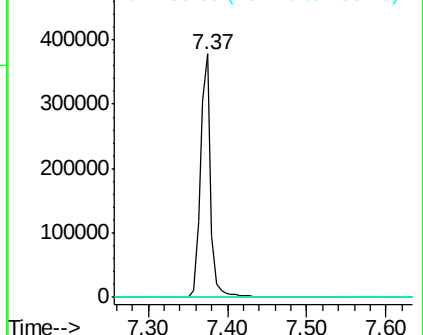
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

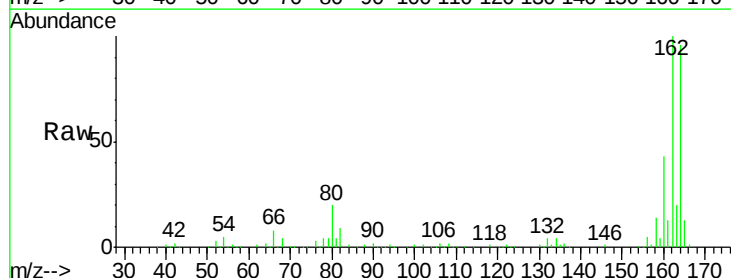
Tgt Ion: 164 Resp: 182792

Ion Ratio Lower Upper

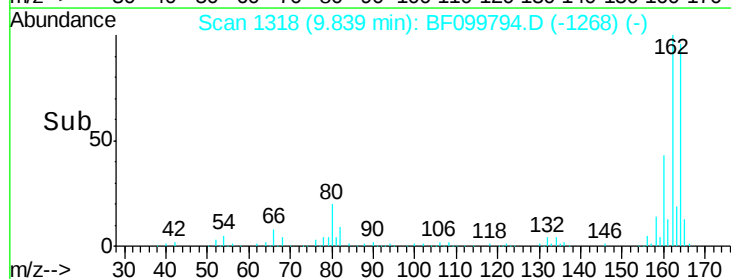
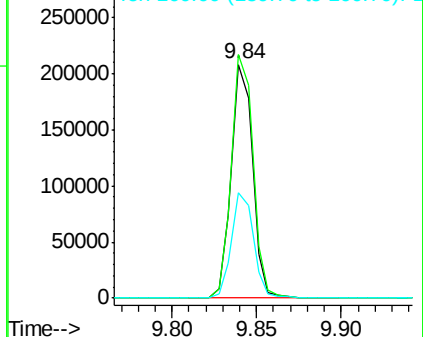
164 100

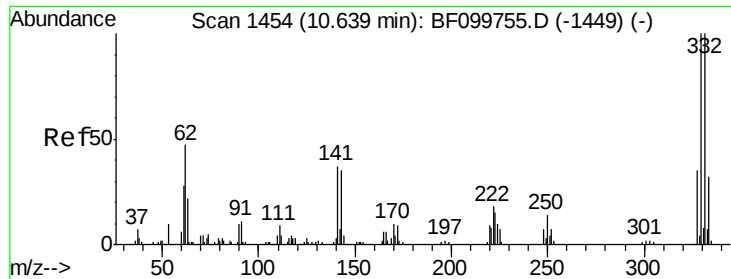
162 104.2 86.1 129.1

160 45.1 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

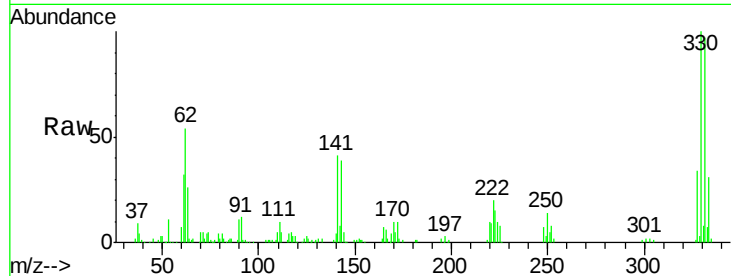




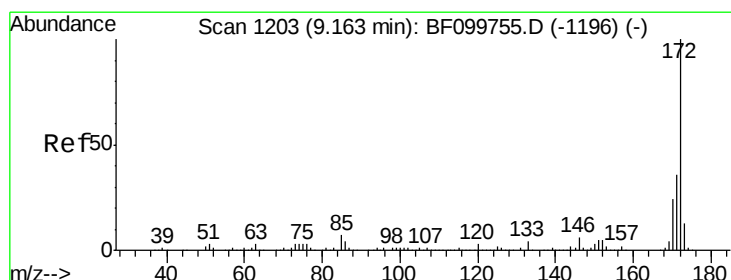
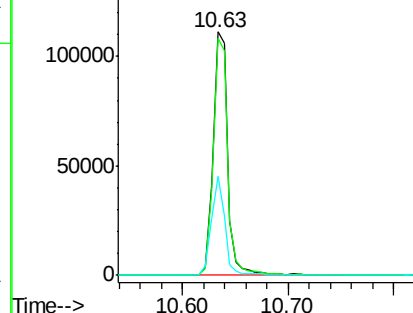
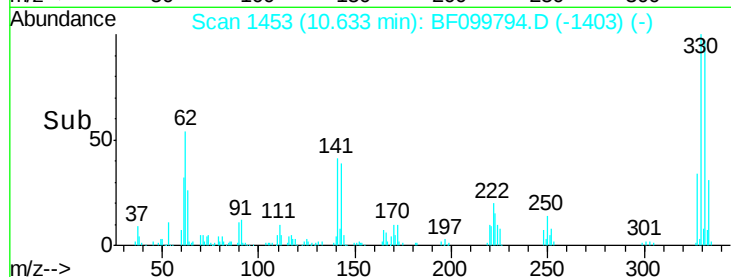
#41
 2,4,6-Tribromophenol
 Concen: 65.08 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	37.0	29.9	44.9

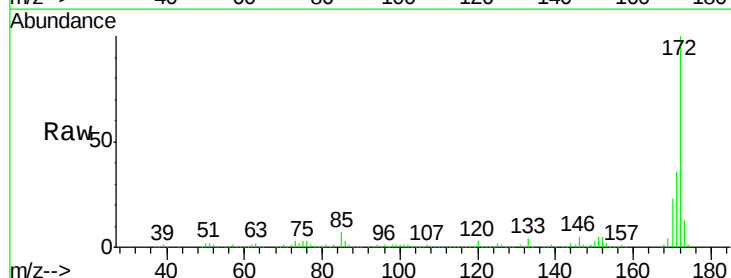


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

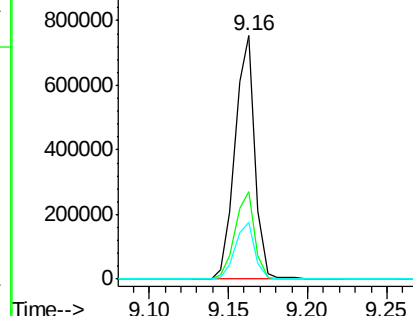
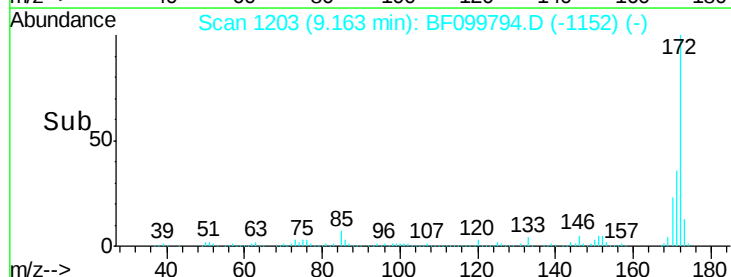


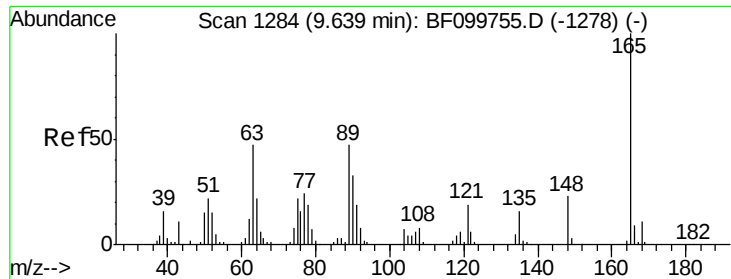
#44
 2-Fluorobiphenyl
 Concen: 55.52 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.4	19.6	29.4



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





#50

2,6-Dinitrotoluene

Concen: 7.80 ng

RT: 9.84 min Scan# 1318

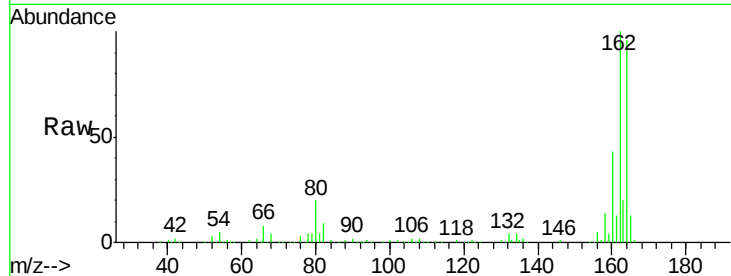
Delta R.T. 0.20 min

Lab File: BF099794.D

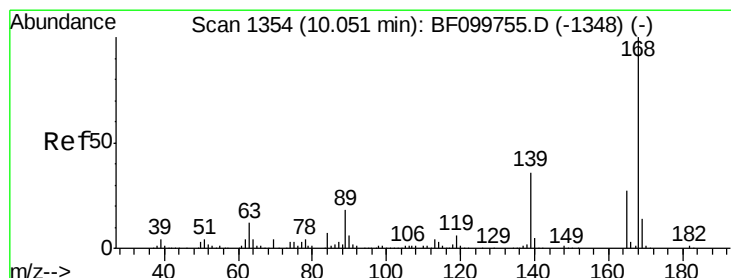
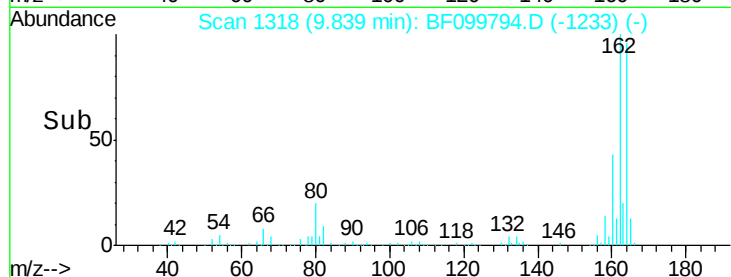
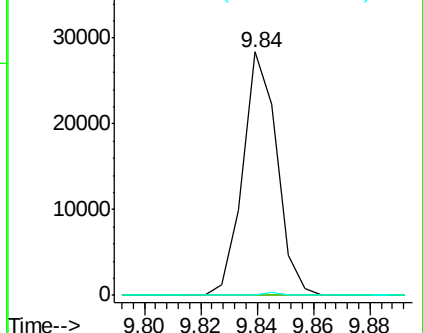
Acq: 24 Oct 2017 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	23726
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.7 67.1#
89	0.0	44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E



#56

2,4-Dinitrotoluene

Concen: 6.47 ng

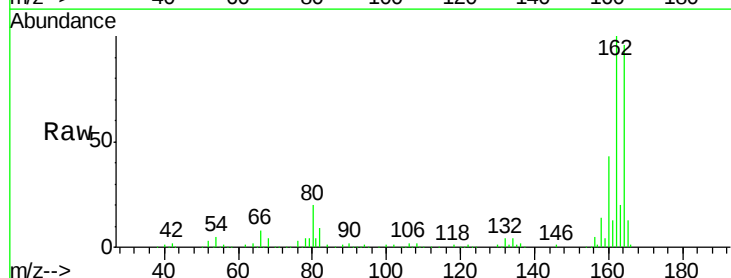
RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

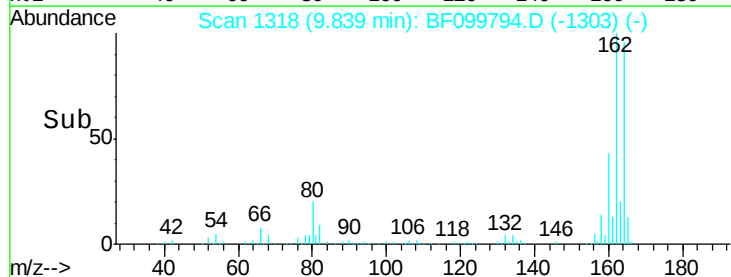
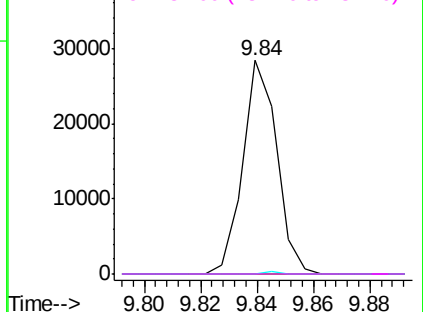
Lab File: BF099794.D

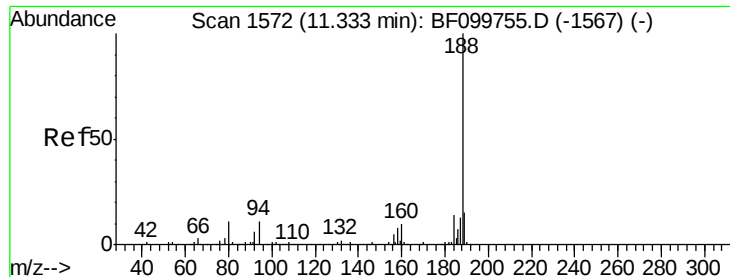
Acq: 24 Oct 2017 18:03

Tgt Ion:165	Resp:	23726
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E

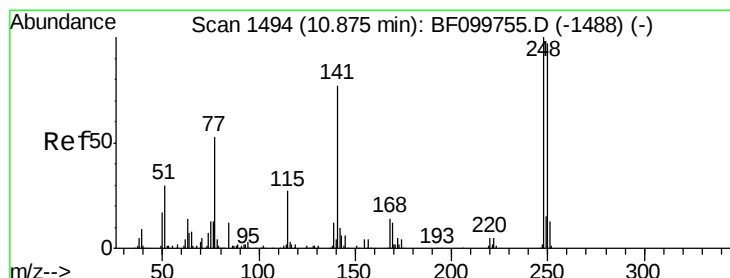
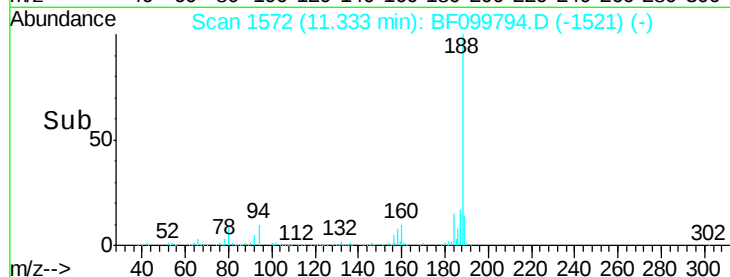
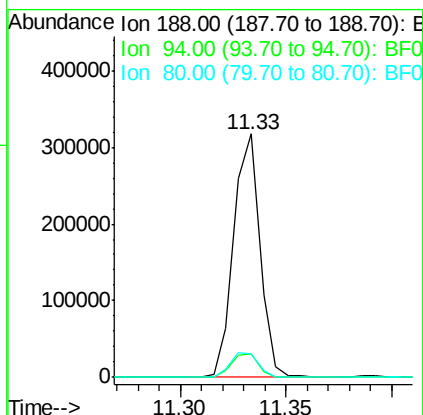
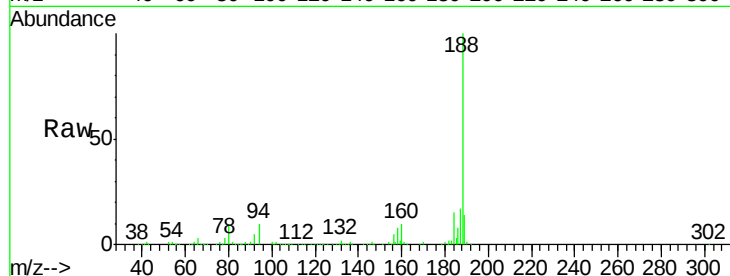




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

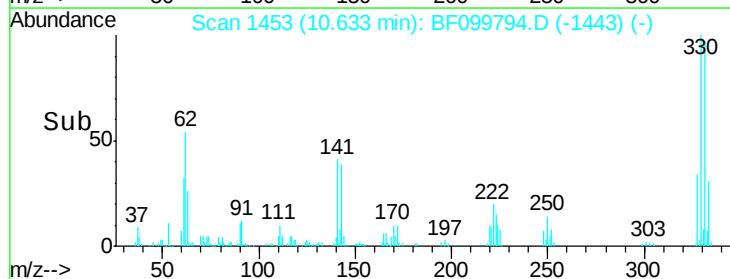
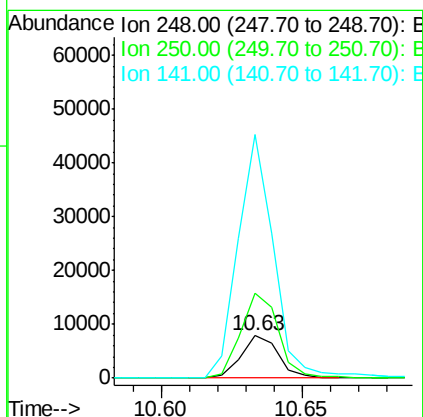
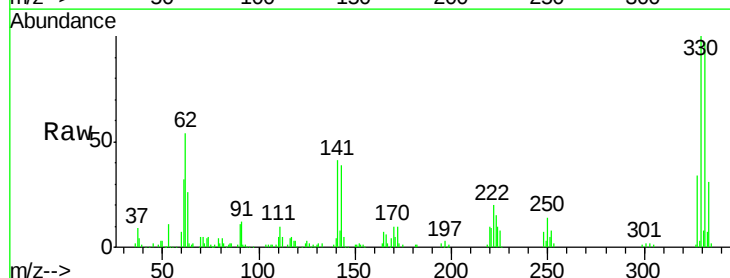
Instrument :
BNA_F
ClientSampleId :

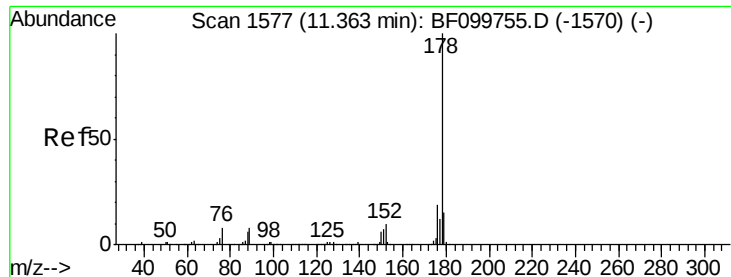
Tot Ion	188	Resp	272457
Ion Ratio	100	Lower	Upper
94	9.5	8.5	12.7
80	9.7	9.2	13.8



#66
4-Bromophenyl-phenylether
Concen: 2.48 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion	248	Resp	7117
Ion Ratio	100	Lower	Upper
250	201.0	76.9	115.3#
141	575.8	74.4	111.6#

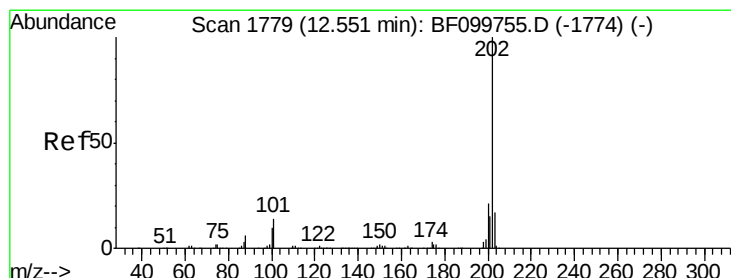
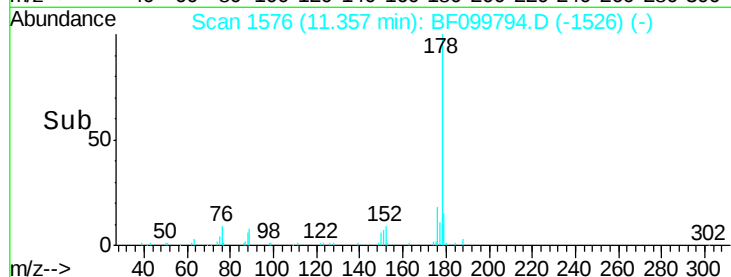
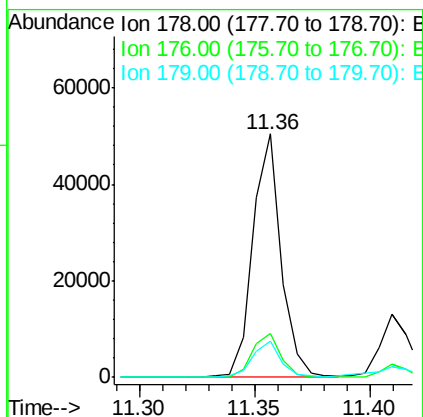
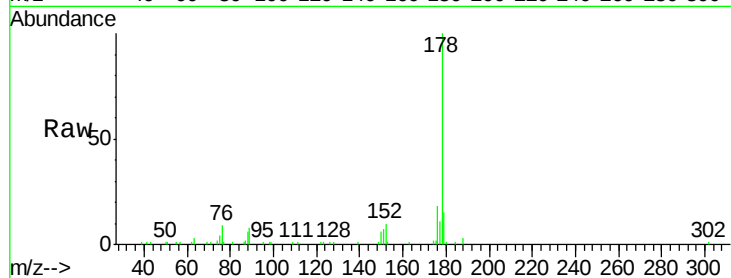




#70
Phenanthrene
Concen: 2.81 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

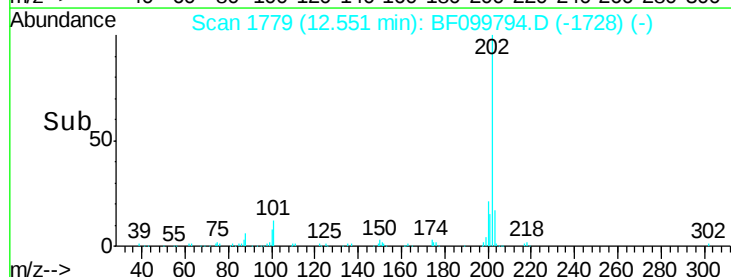
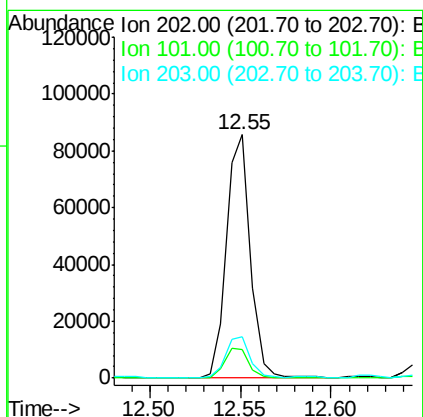
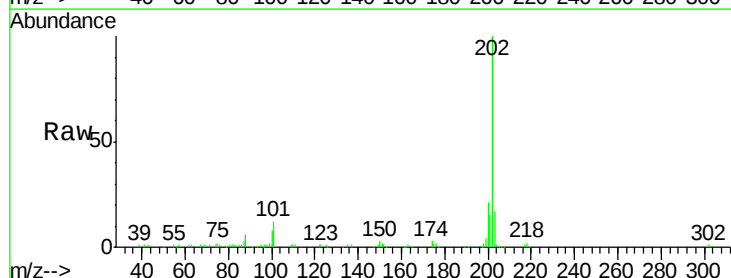
Instrument :
BNA_F
ClientSampleId :

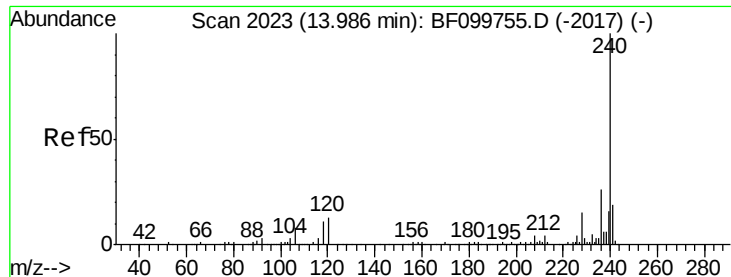
Tot Ion:178 Resp: 43179
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 14.7 13.0 19.6



#74
Fluoranthene
Concen: 4.93 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion:202 Resp: 78805
Ion Ratio Lower Upper
202 100
101 11.6 0.0 34.1
203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

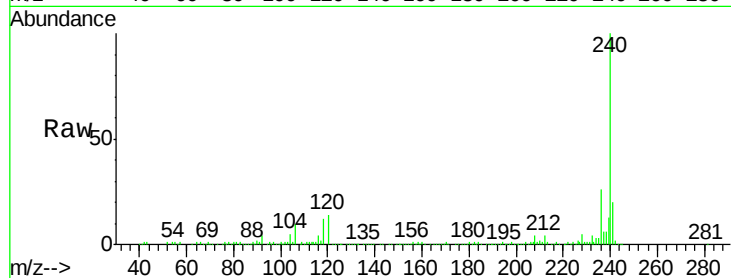
Tot Ion:240 Resp: 193930

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

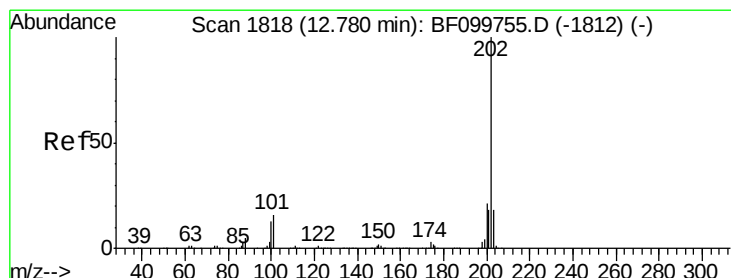
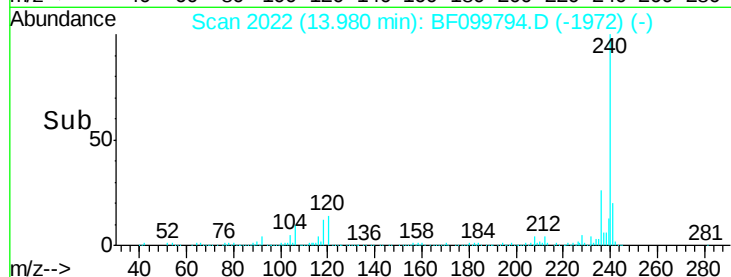
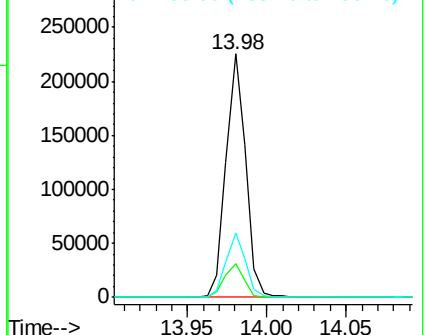
236 26.3 20.7 31.1



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



#77

Pyrene

Concen: 4.99 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

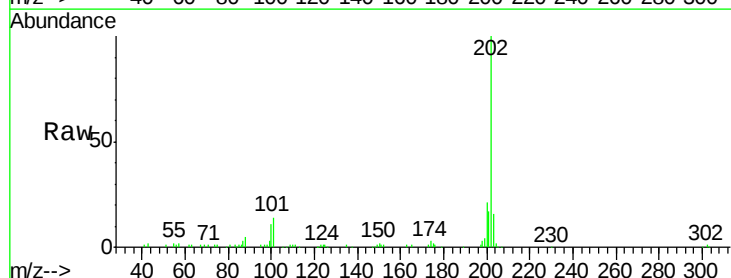
Tgt Ion:202 Resp: 73577

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

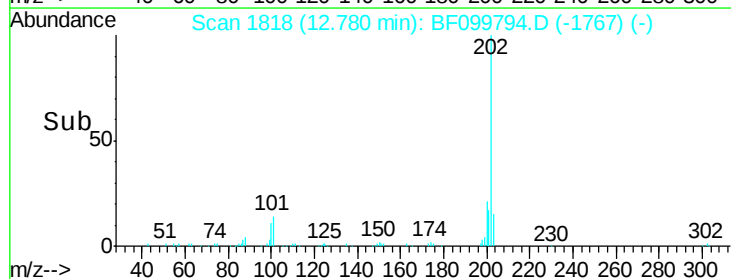
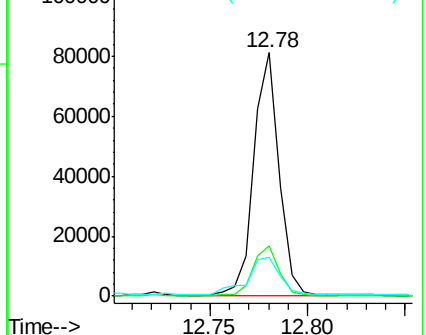
203 16.0 14.3 21.5

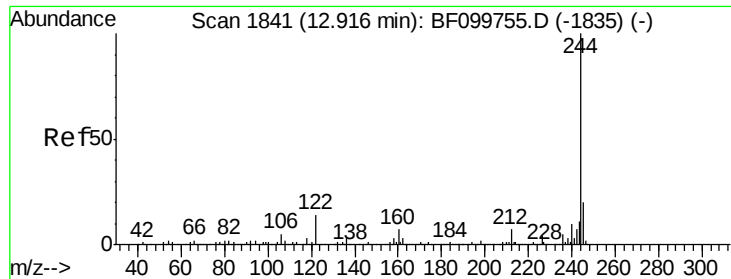


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

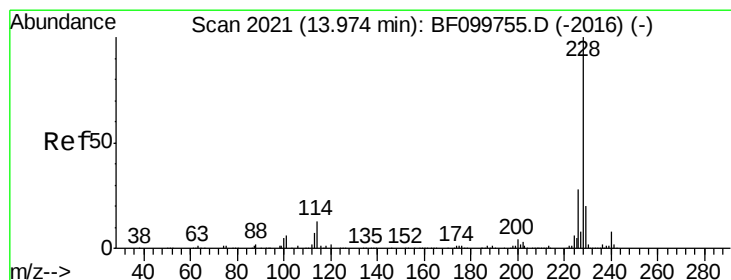
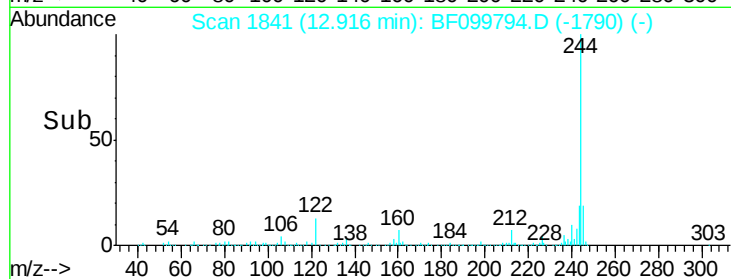
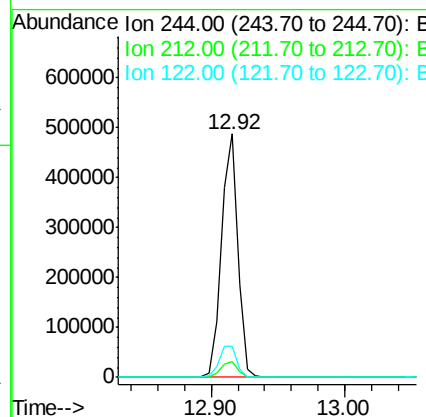
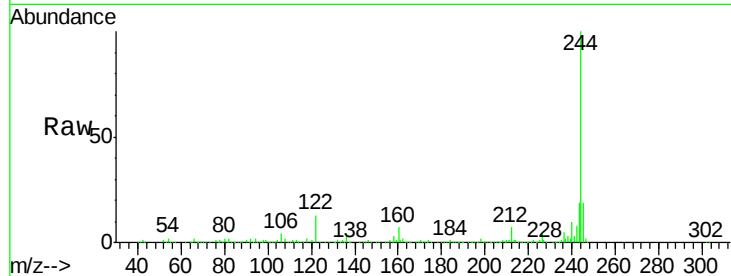




#78
 Terphenyl-d14
 Concen: 47.66 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

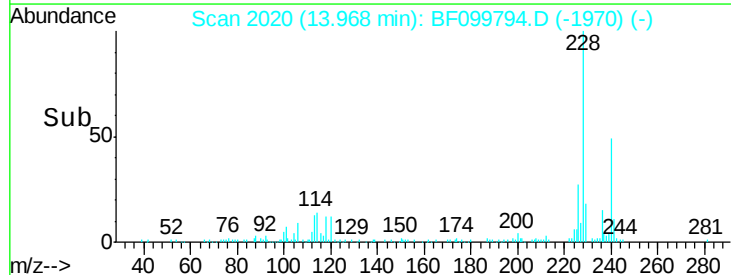
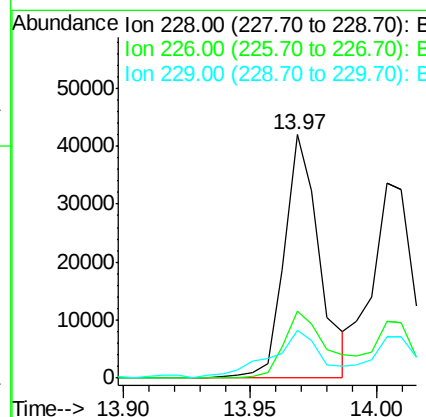
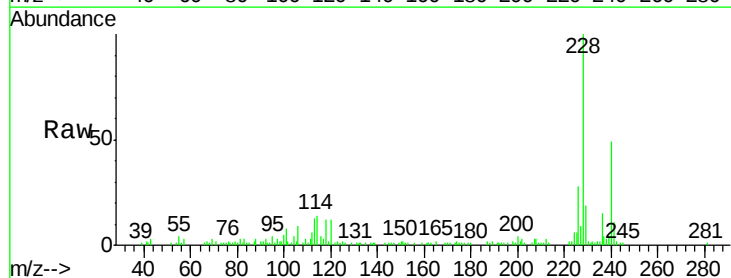
Instrument :
 BNA_F
 ClientSampleId :

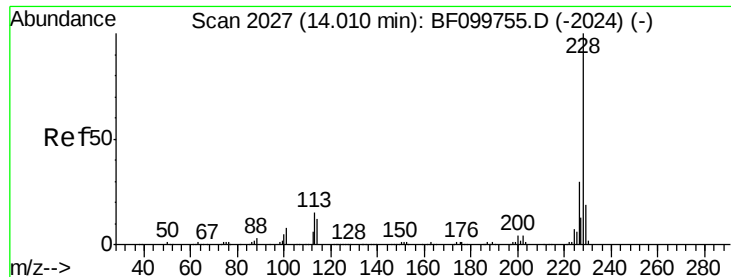
Tot Ion:244 Resp: 422956
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.32 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Tgt Ion:228 Resp: 40806
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 19.4 15.8 23.6





#82

Chrysene

Concen: 3.29 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

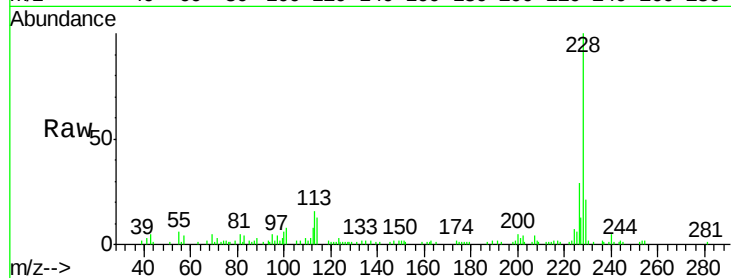
Tot Ion:228 Resp: 38017

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

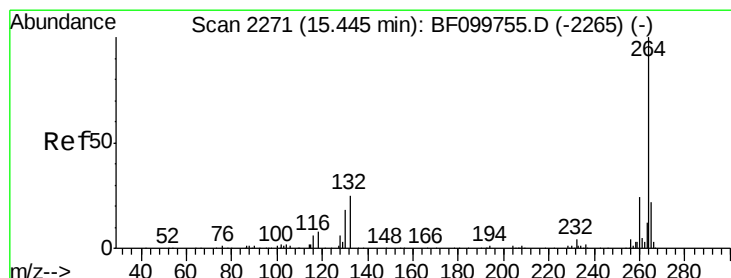
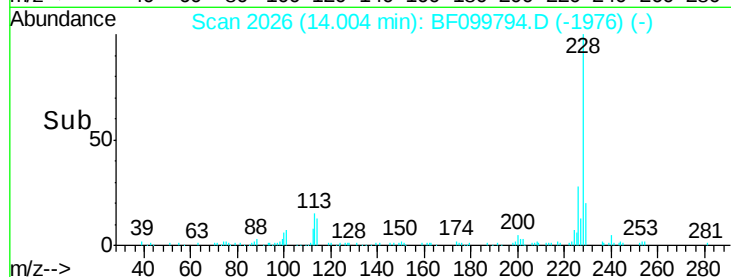
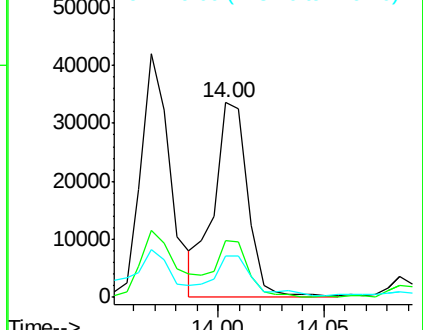
229 21.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

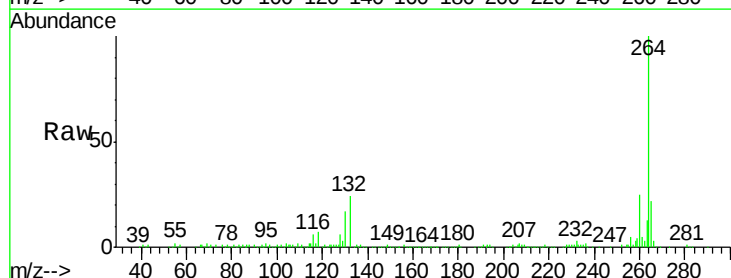
Tgt Ion:264 Resp: 183265

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

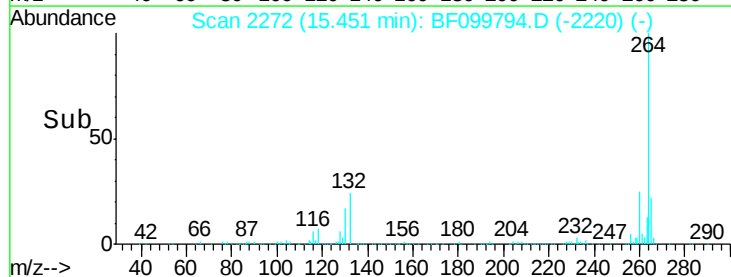
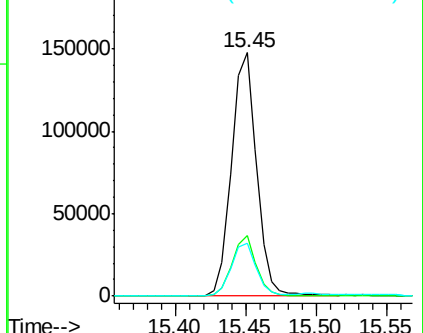
265 21.8 17.5 26.3

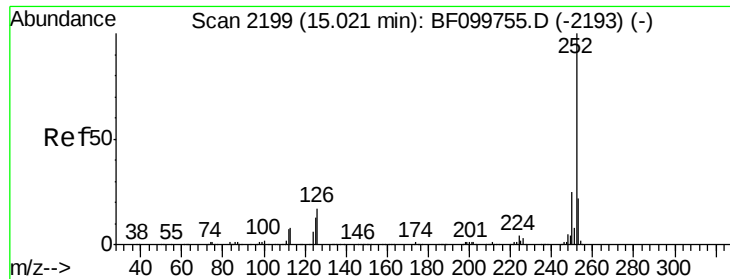


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.89 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BF099794.D

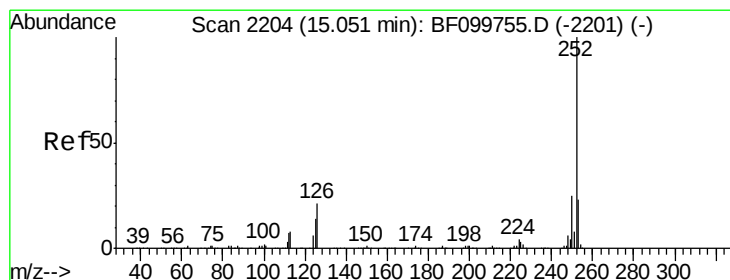
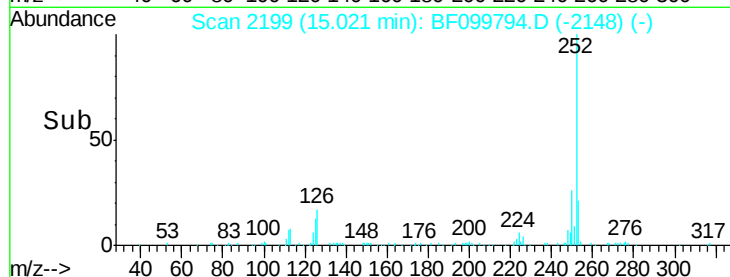
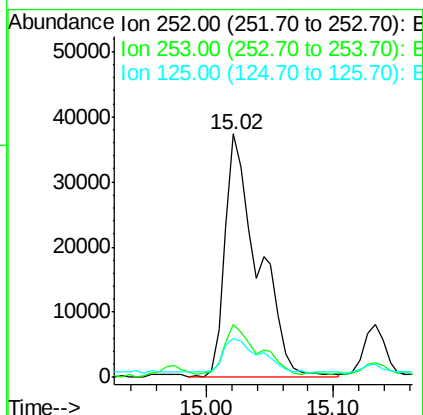
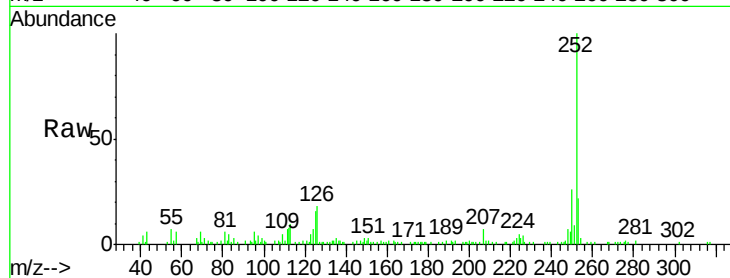
Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	68156
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.0 25.6
125	15.9	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 6.25 ng

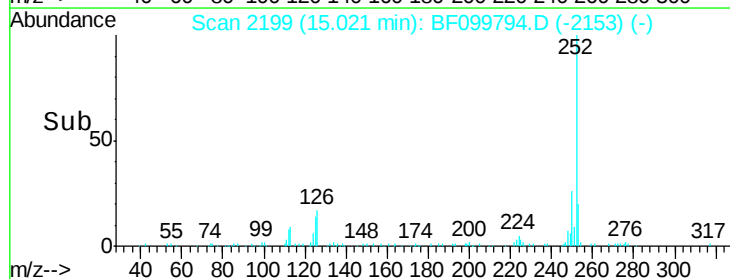
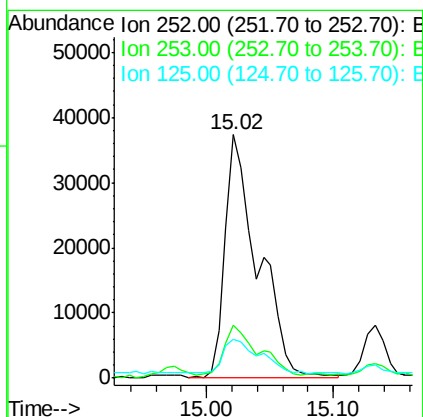
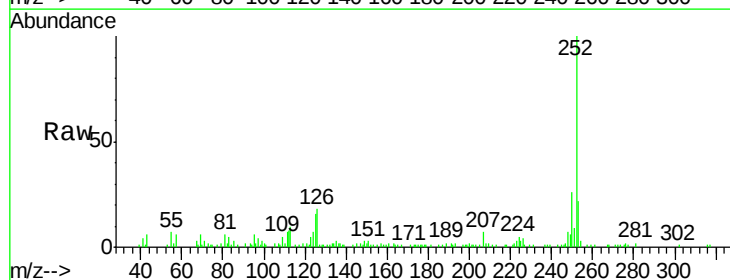
RT: 15.02 min Scan# 2199

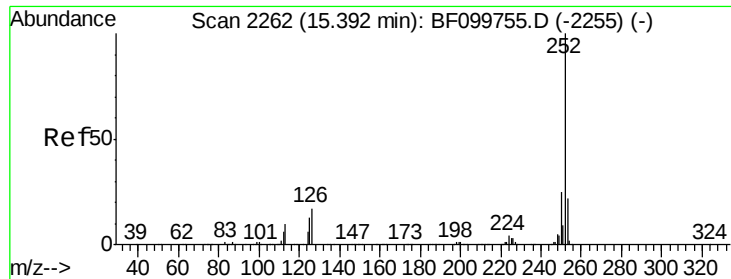
Delta R.T. -0.03 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Tgt Ion:252	Resp:	68156
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.9 26.9
125	15.9	10.2 15.2#

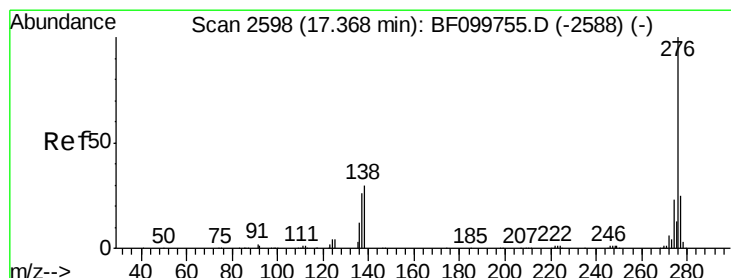
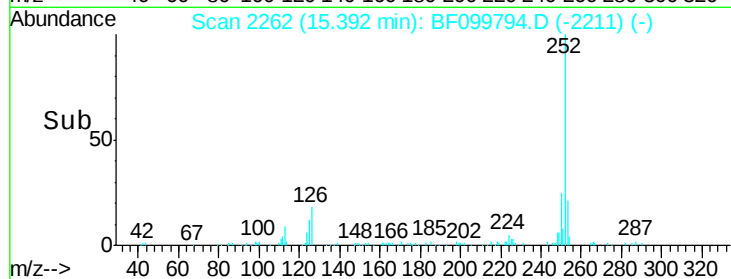
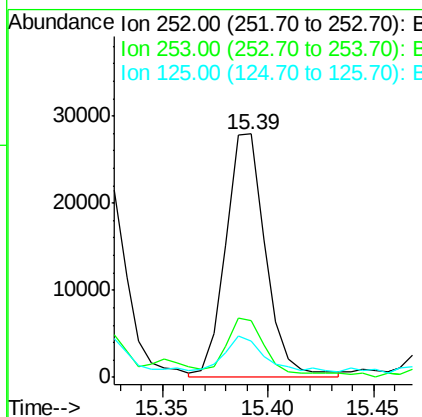
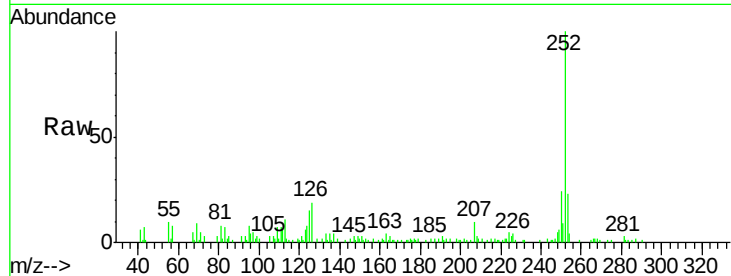




#89
Benzo(a)pyrene
Concen: 3.52 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36616
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 15.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.06 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion:276 Resp: 18647
Ion Ratio Lower Upper
276 100
277 25.2 17.9 26.9
138 31.0 21.8 32.8

