

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099816.D
 Acq On : 25 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6070-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 17:35:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	86129	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	349695	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	154720	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	262733	20.00	ng	0.00
75) Chrysene-d12	13.98	240	173647	20.00	ng	0.00
86) Perylene-d12	15.46	264	158825	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	106233	19.36	ng	0.00
7) Phenol-d6	6.43	99	129498	19.91	ng	0.00
23) Nitrobenzene-d5	7.36	82	72004	13.26	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	25735	18.25	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	164691	16.42	ng	0.00
78) Terphenyl-d14	12.92	244	123963	15.60	ng	0.00

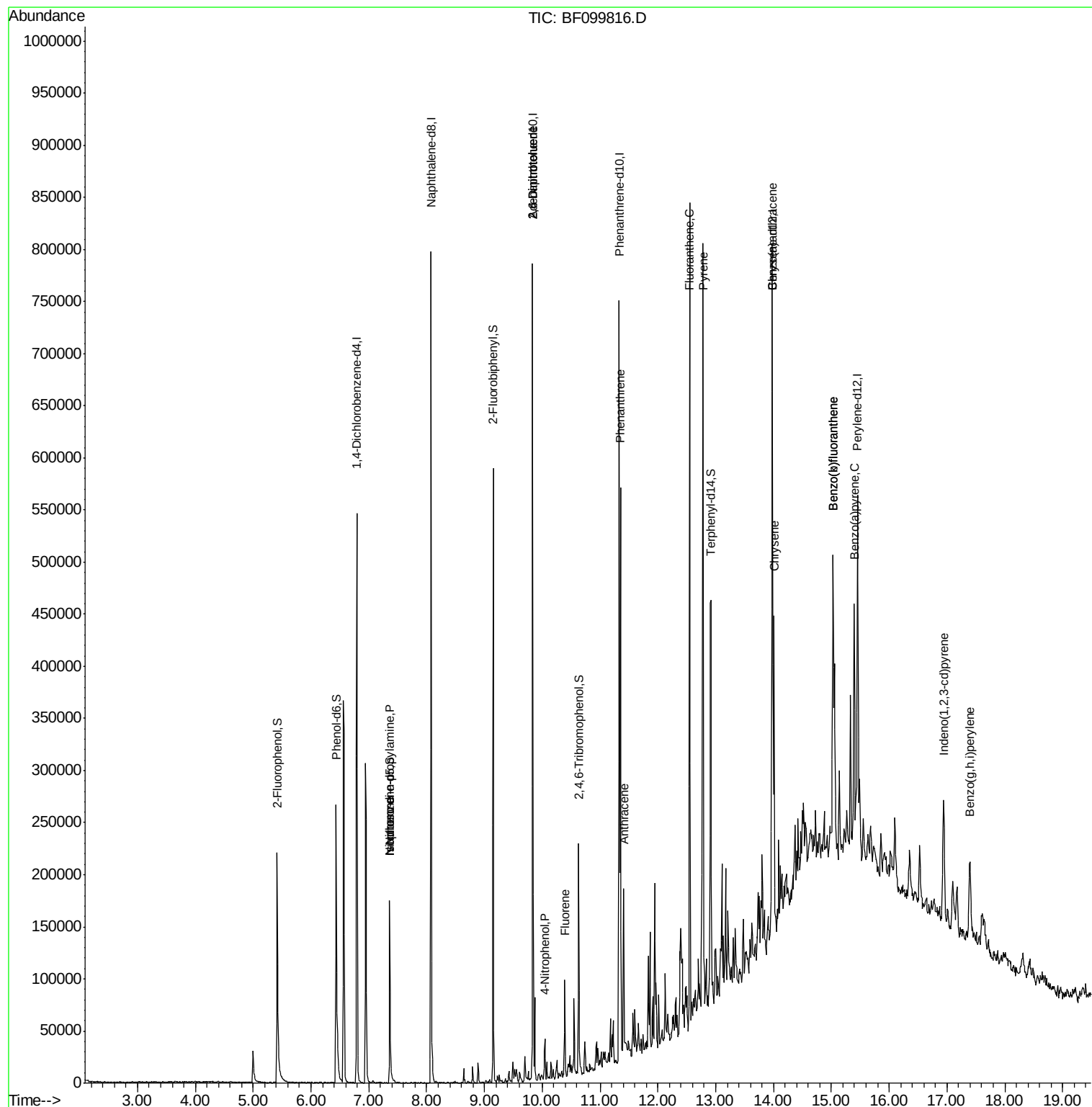
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	8261	2.167	ng	# 67
25) Isophorone	7.36	82	72004	7.305	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	19159	7.438	ng	# 25
55) 4-Nitrophenol	10.05	139	4890	3.084	ng	# 12
56) 2,4-Dinitrotoluene	9.83	165	19159	6.176	ng	# 22
57) Fluorene	10.39	166	25678	2.297	ng	99
70) Phenanthrene	11.35	178	202544	13.660	ng	98
71) Anthracene	11.41	178	71900	4.777	ng	97
74) Fluoranthene	12.55	202	319616	20.742	ng	96
77) Pyrene	12.78	202	277606	21.024	ng	98
80) Benzo(a)anthracene	13.97	228	130887	11.890	ng	98
82) Chrysene	14.01	228	107498	10.387	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	58078	6.113	ng	97
87) Benzo(b)fluoranthene	15.03	252	211589	21.098	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	211589	22.374	ng	97
89) Benzo(a)pyrene	15.40	252	116988	12.986	ng	# 96
91) Benzo(a,h,i)perylene	17.40	276	54920	7.013	ng	# 92

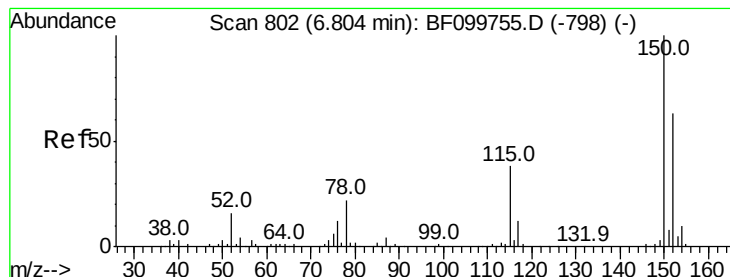
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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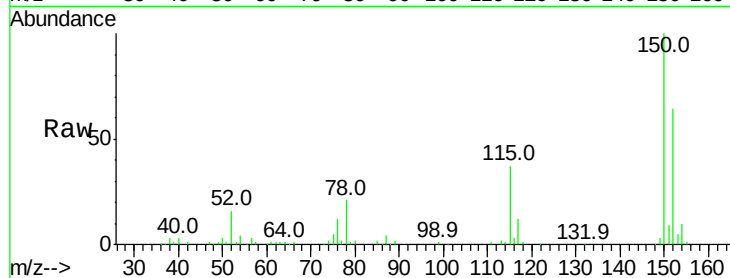


#1

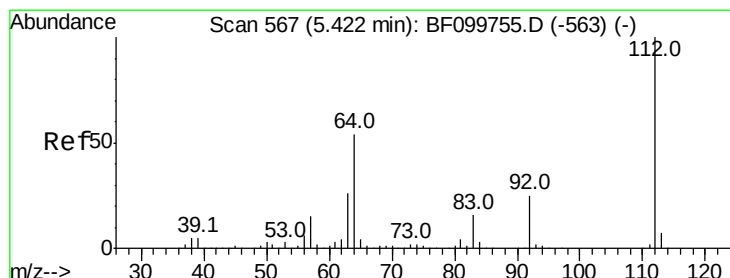
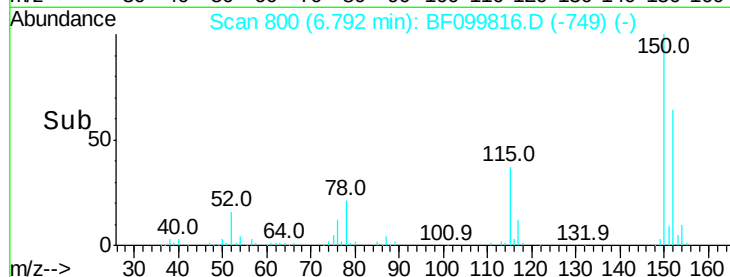
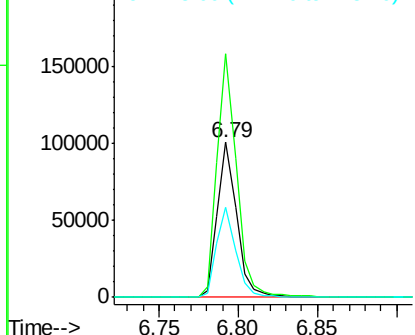
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 86129
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 58.1 50.1 75.1



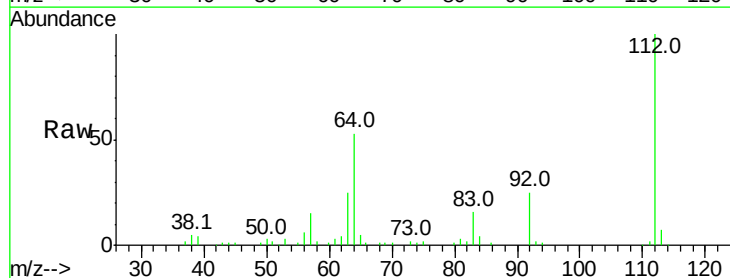
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



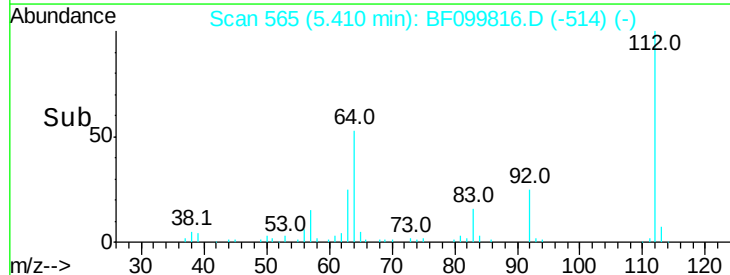
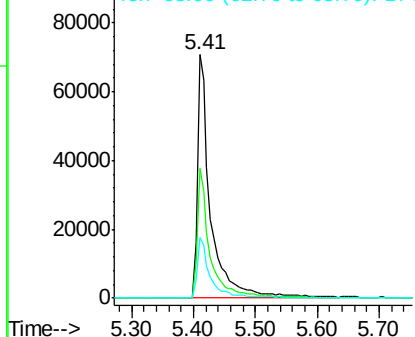
#5

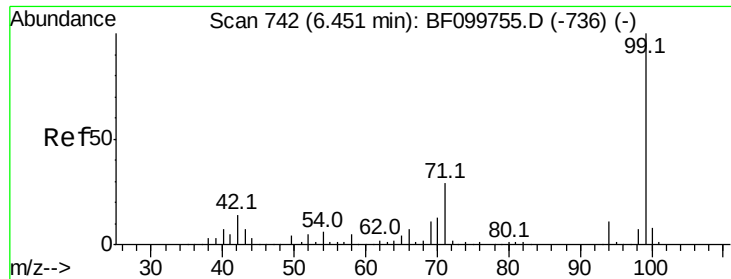
2-Fluorophenol
Concen: 19.364 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion:112 Resp: 106233
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 25.1 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: 19.908 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

ClientSampled :

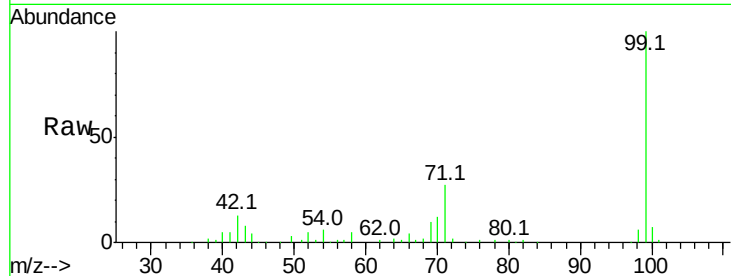
Tot Ion: 99 Resp: 129498

Ion Ratio Lower Upper

99 100

42 13.5 14.5 21.7#

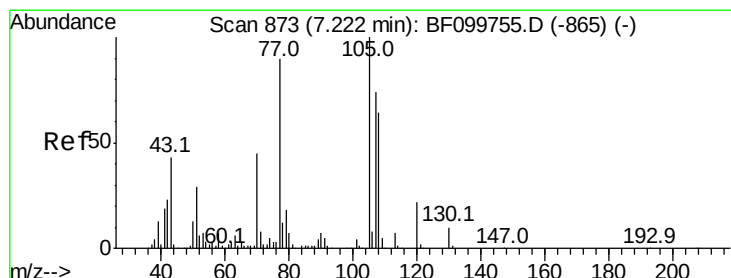
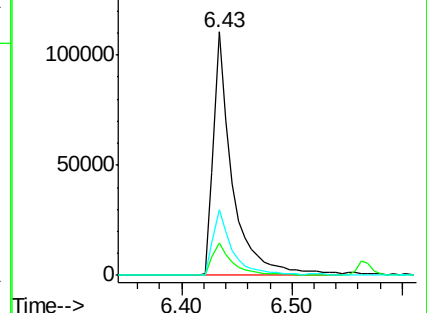
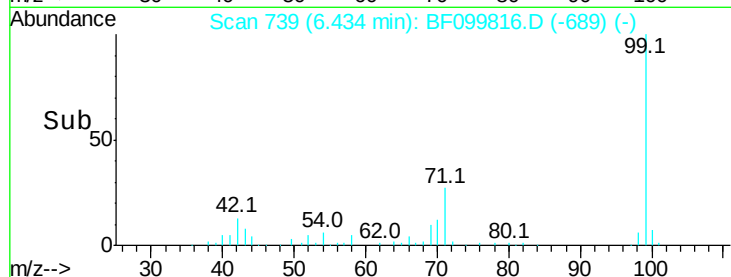
71 27.0 25.4 38.0



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: 2.167 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion: 70 Resp: 8261

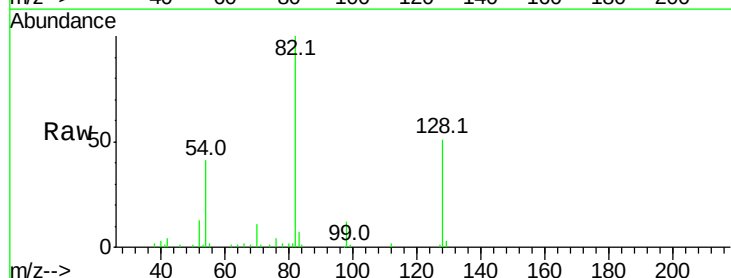
Ion Ratio Lower Upper

70 100

42 36.4 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

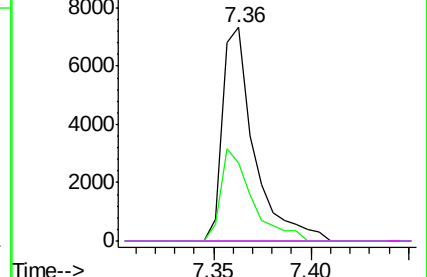
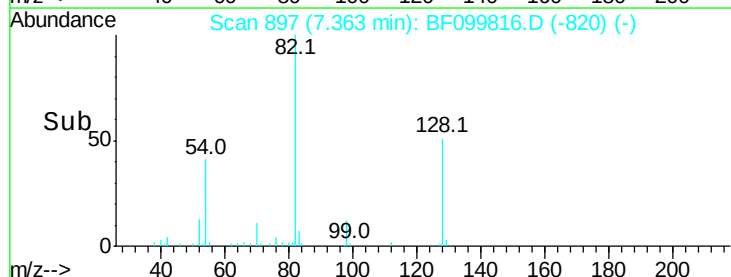


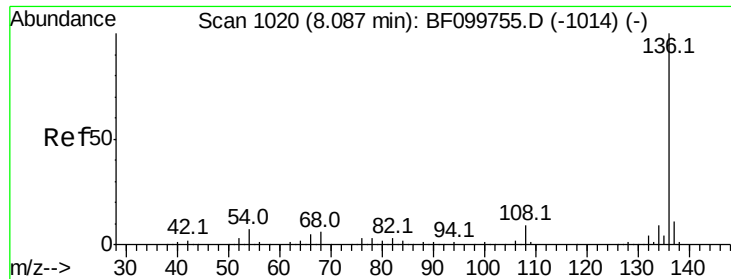
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

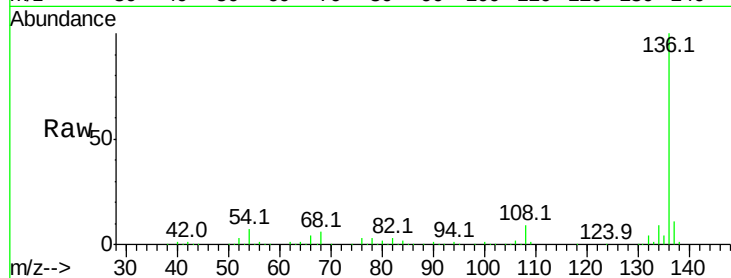




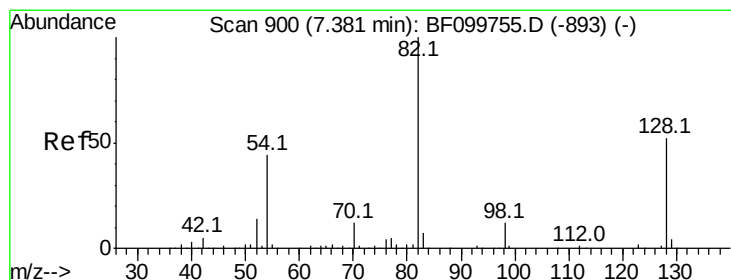
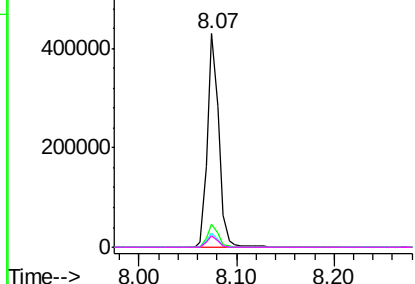
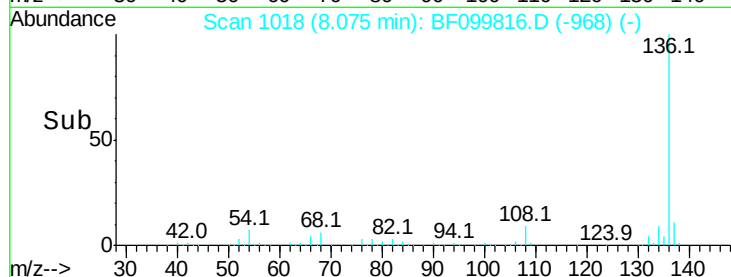
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	349695
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.6	6.6	9.8
68	5.7	5.0	7.4

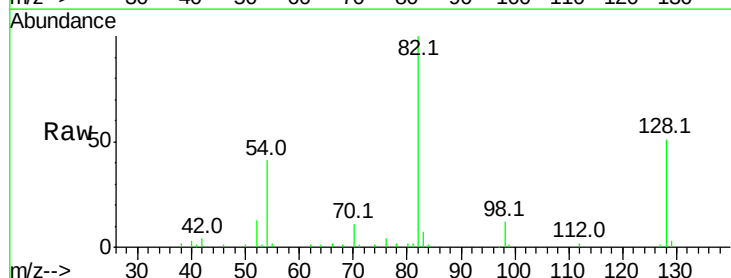


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

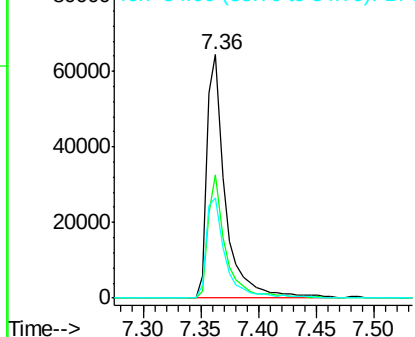
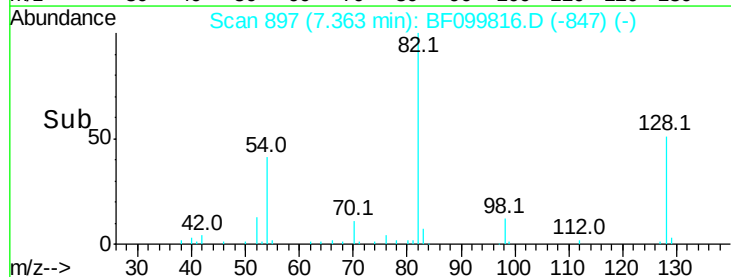


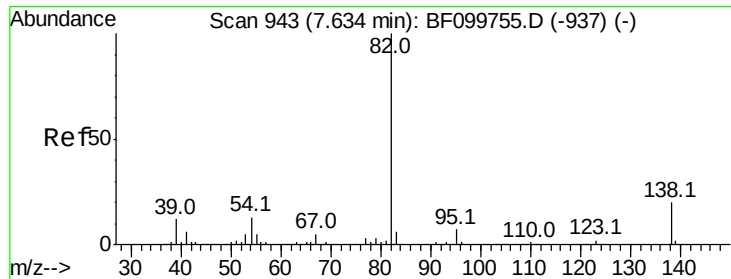
#23
Nitrobenzene-d5
Concen: 13.256 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion:	82	Resp:	72004
Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.1	54.1
54	40.9	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: 7.305 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

ClientSampleId :

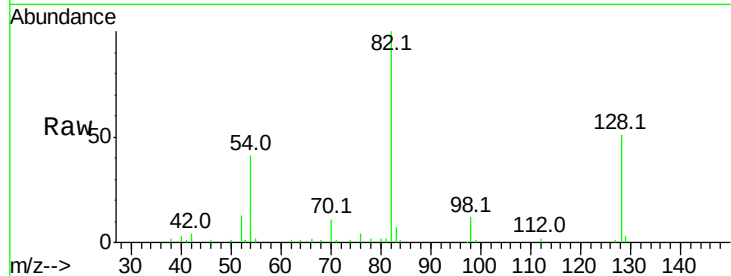
Tot Ion: 82 Resp: 72004

Ion Ratio Lower Upper

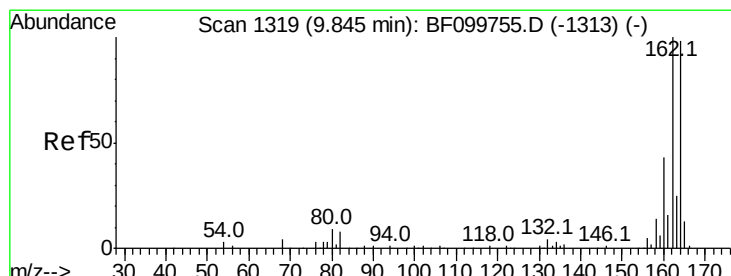
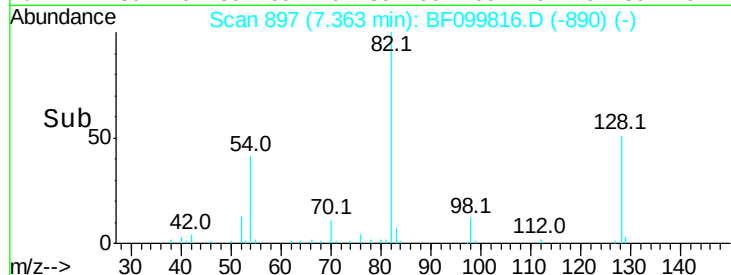
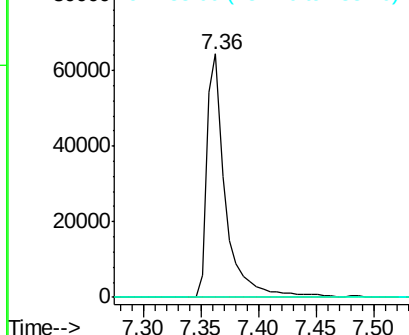
82 100

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: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

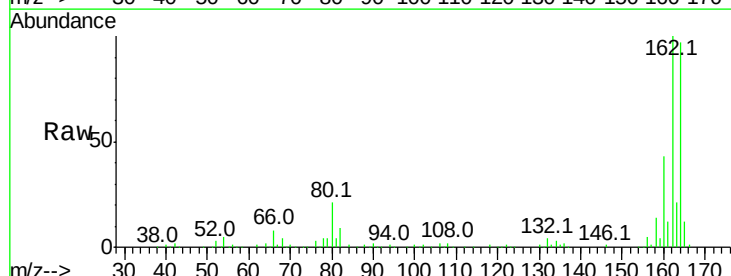
Tgt Ion:164 Resp: 154720

Ion Ratio Lower Upper

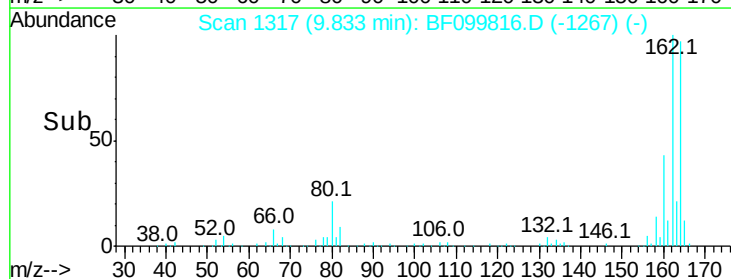
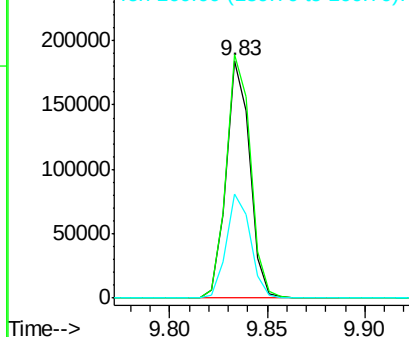
164 100

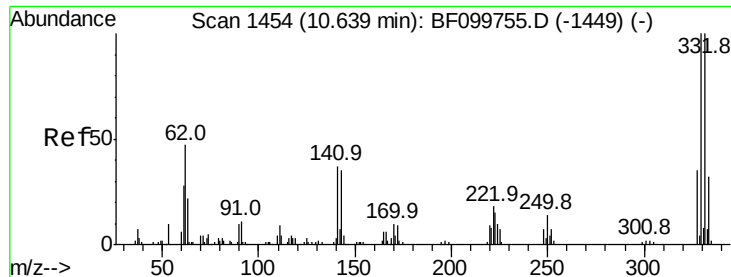
162 102.6 86.1 129.1

160 43.8 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

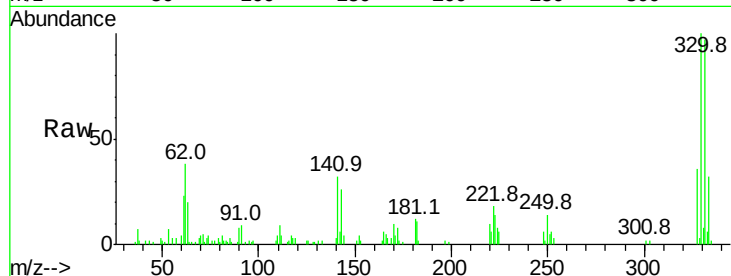




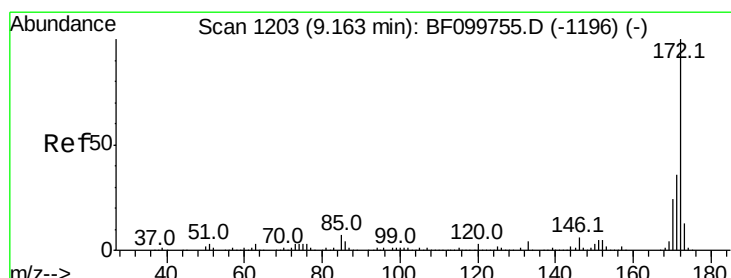
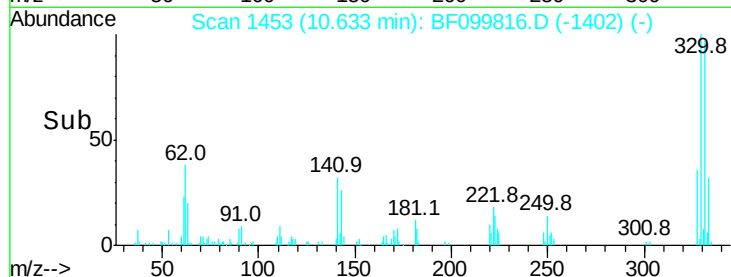
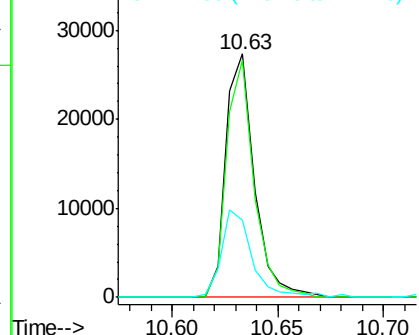
#41
 2,4,6-Tribromophenol
 Concen: 18.252 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.6
141	39.1	29.9	44.9

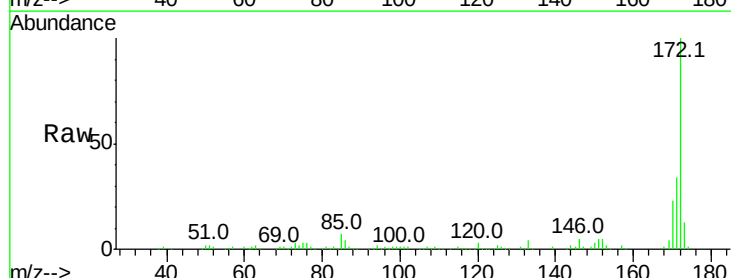


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

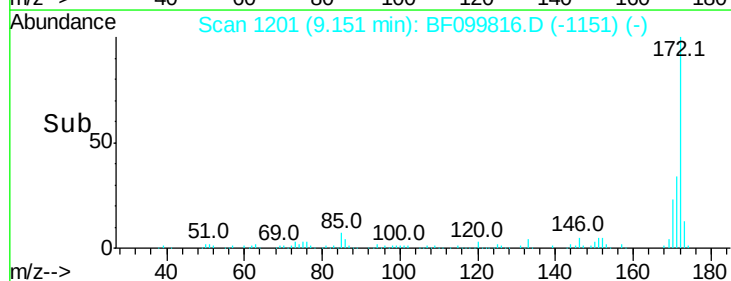
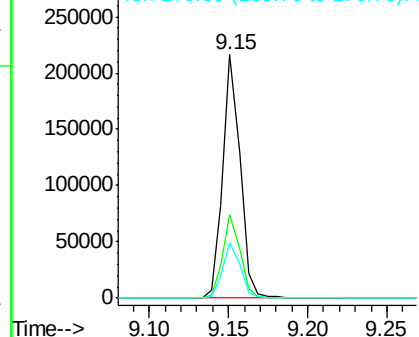


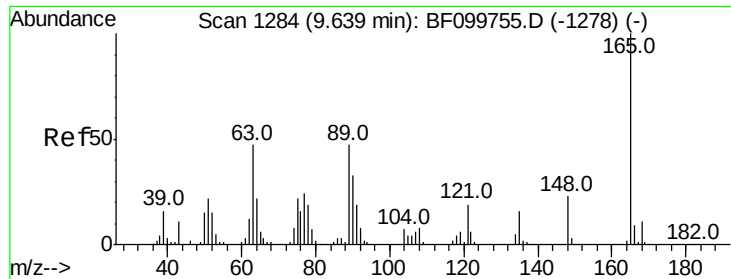
#44
 2-Fluorobiphenyl
 Concen: 16.423 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	22.5	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

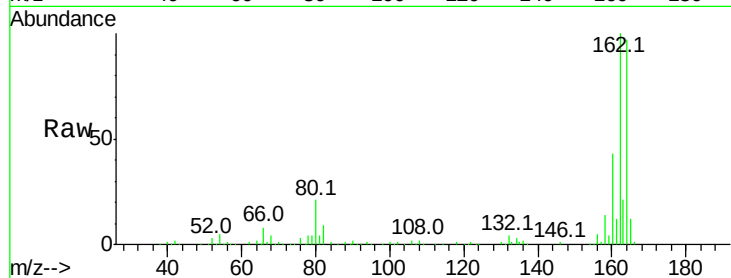




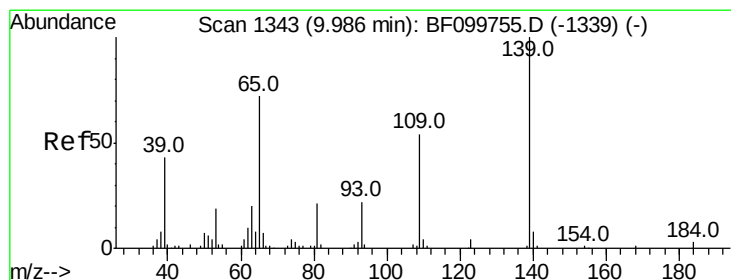
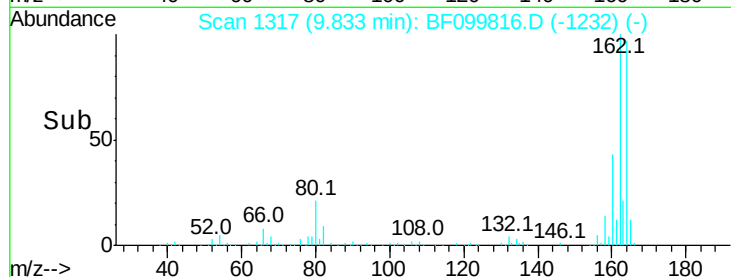
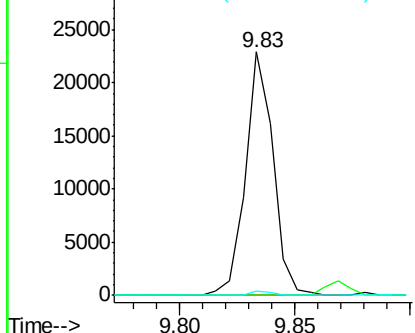
#50
 2,6-Dinitrotoluene
 Concen: 7.438 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#

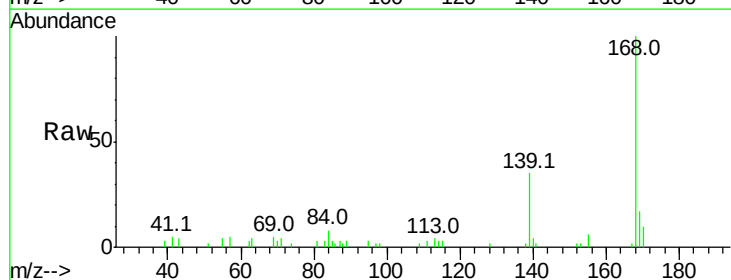


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

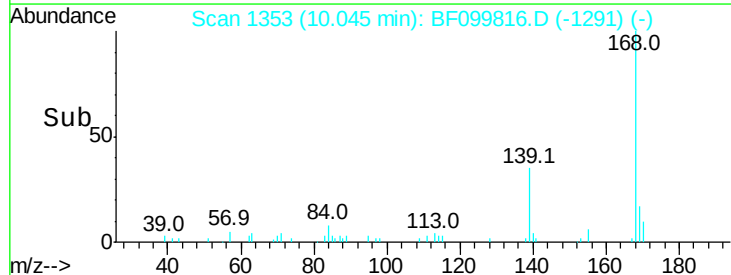
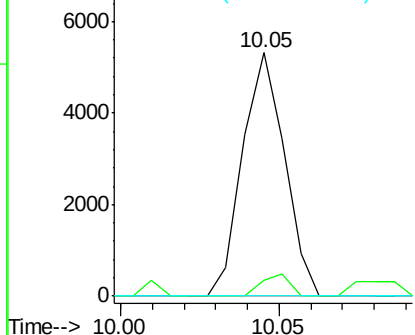


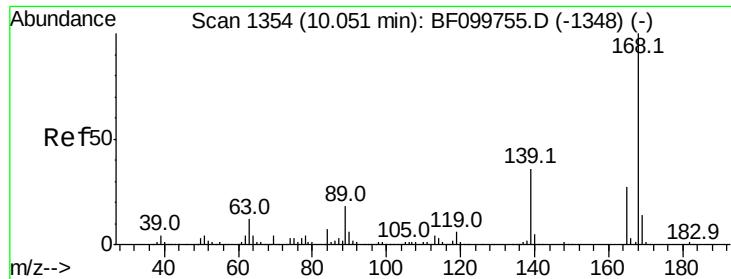
#55
 4-Nitrophenol
 Concen: 3.084 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.06 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
139	100		
109	6.7	48.4	88.4#
65	0.0	72.6	112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

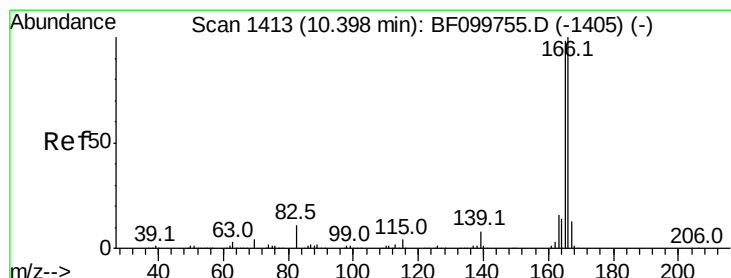
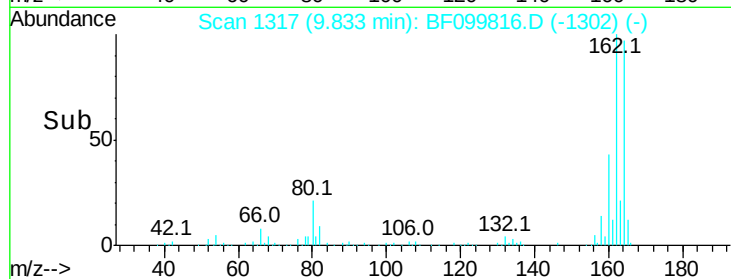
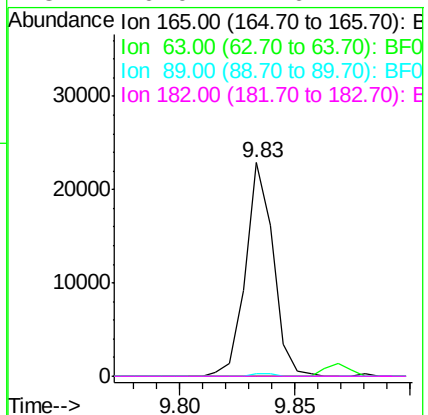
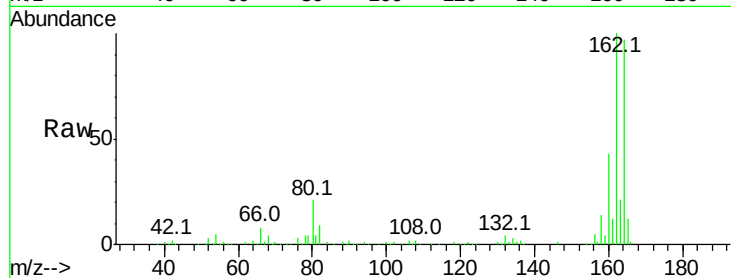




#56
 2,4-Dinitrotoluene
 Concen: 6.176 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

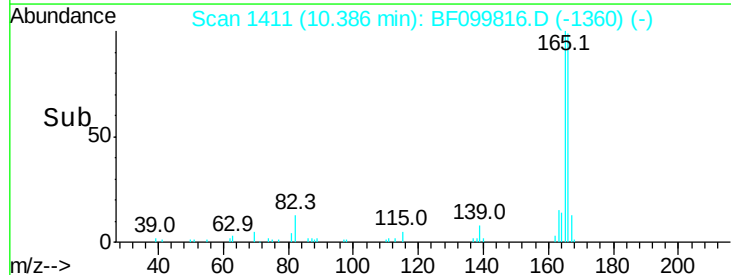
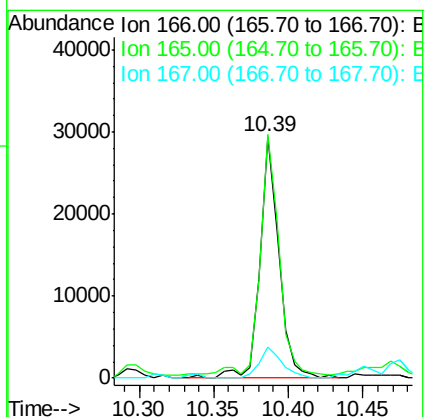
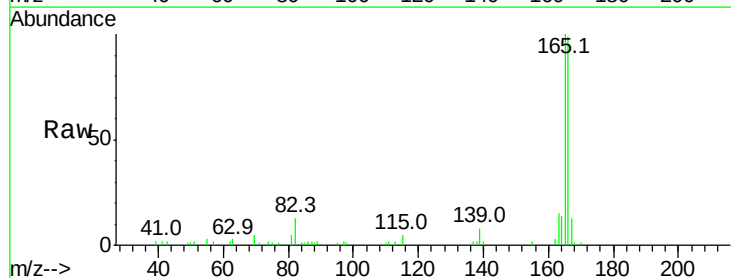
Instrument :
 BNA_F
 ClientSampleId :

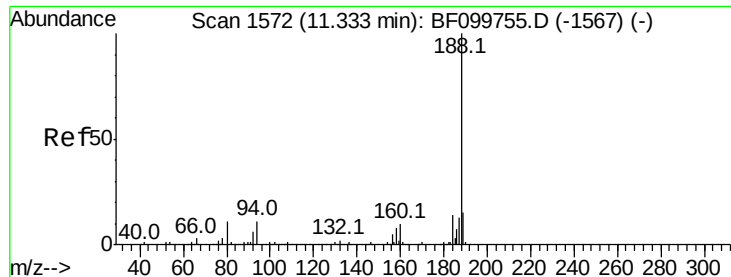
Tot Ion:	165	Resp:	19159
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 2.297 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Tgt Ion:	166	Resp:	25678
Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.8	119.8
167	13.1	10.6	16.0

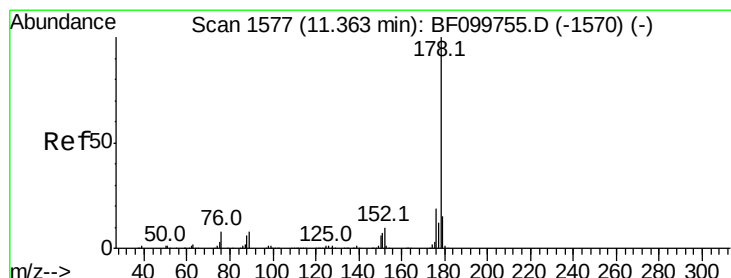
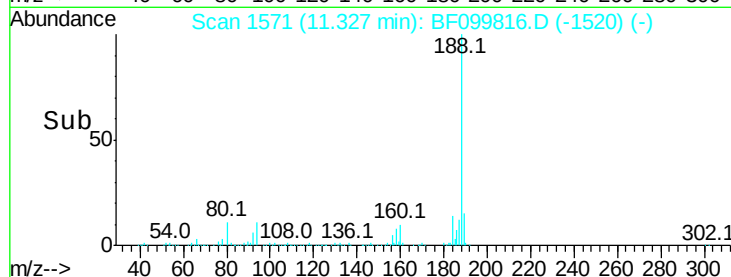
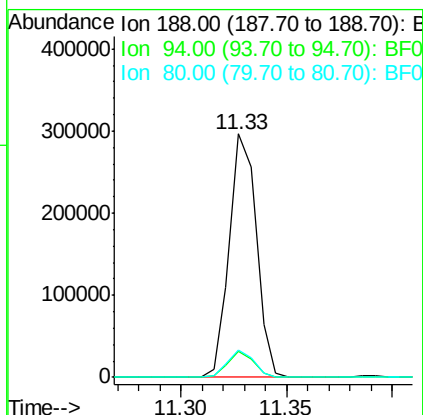
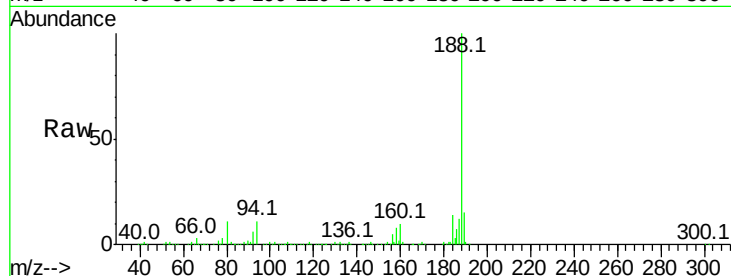




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

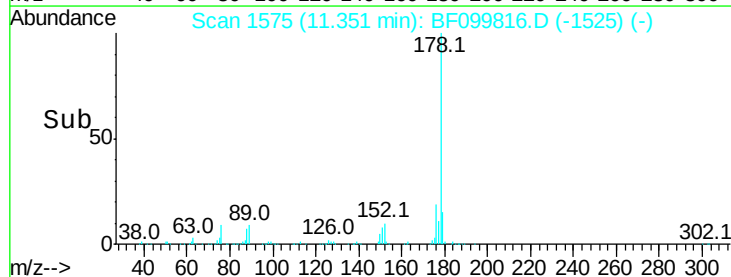
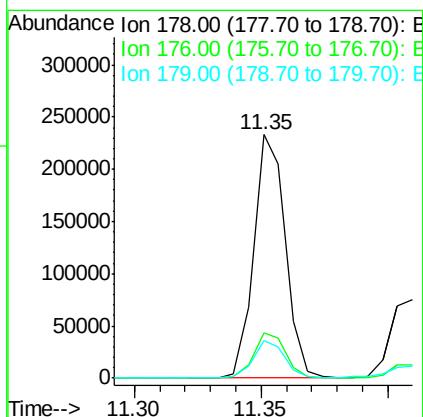
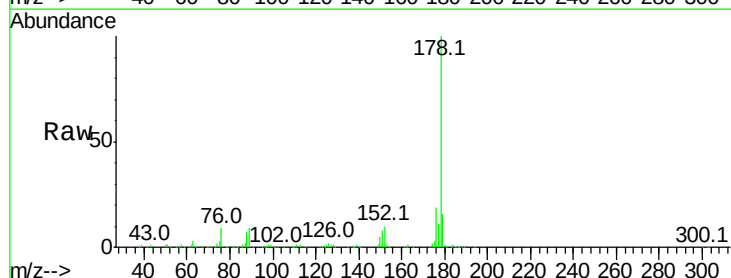
Instrument :
BNA_F
ClientSampleId :

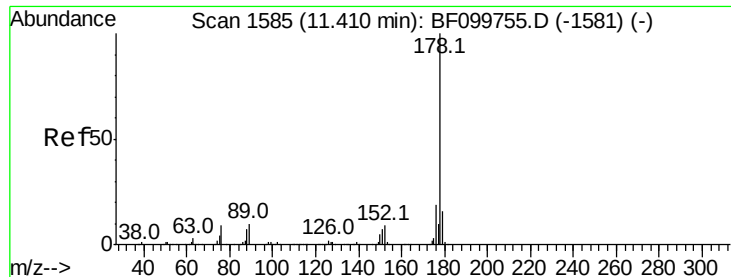
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.4	9.2	13.8



#70
Phenanthrene
Concen: 13.660 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.6	13.0	19.6

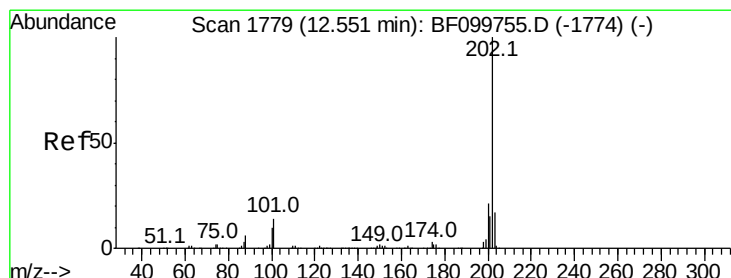
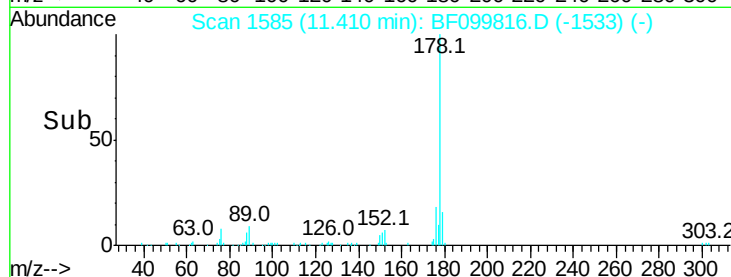
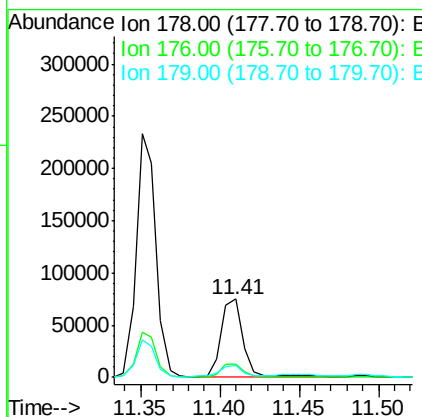
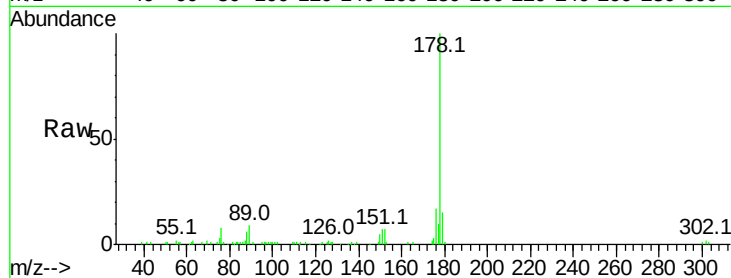




#71
 Anthracene
 Concen: 4.777 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

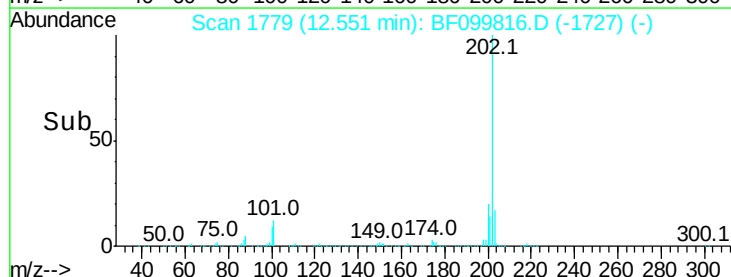
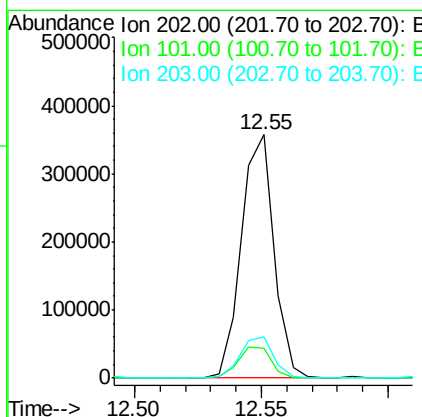
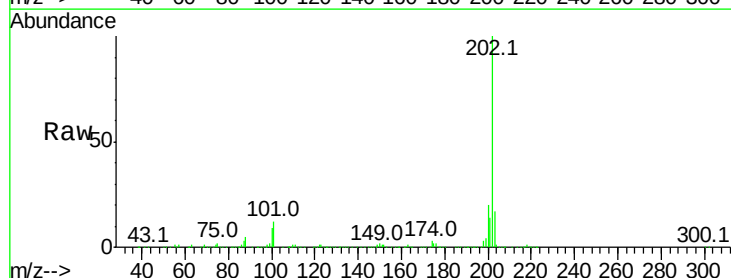
Instrument :
 BNA_F
 ClientSampleId :

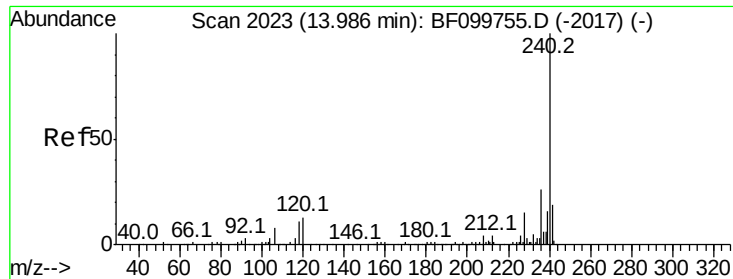
Tot Ion:178 Resp: 71900
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 20.742 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Tgt Ion:202 Resp: 319616
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

ClientSampleId :

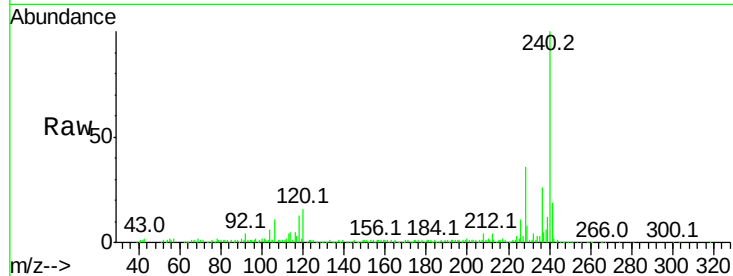
Tot Ion:240 Resp: 173647

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

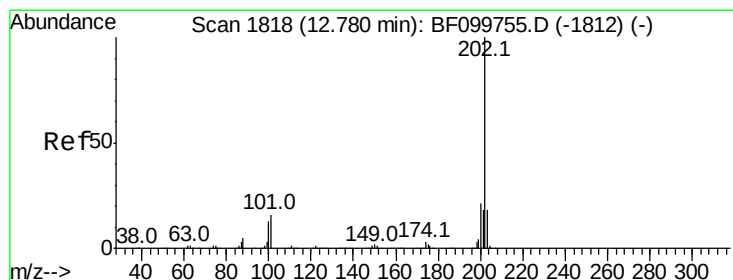
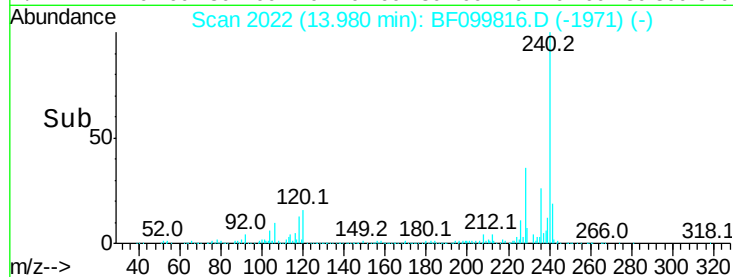
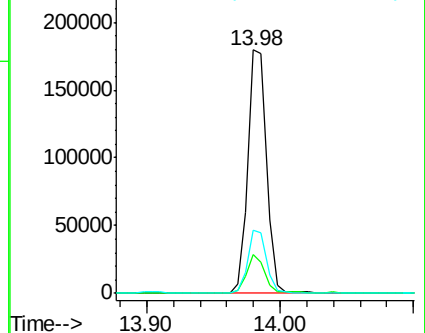
236 25.9 20.7 31.1



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: 21.024 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

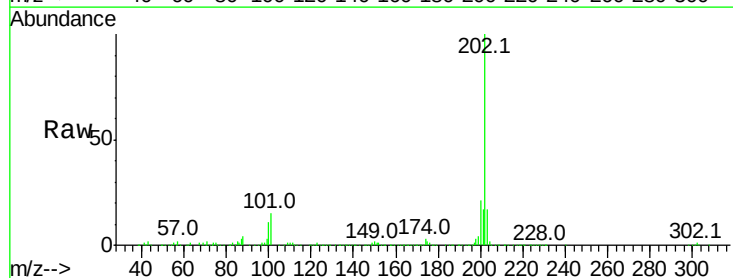
Tgt Ion:202 Resp: 277606

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

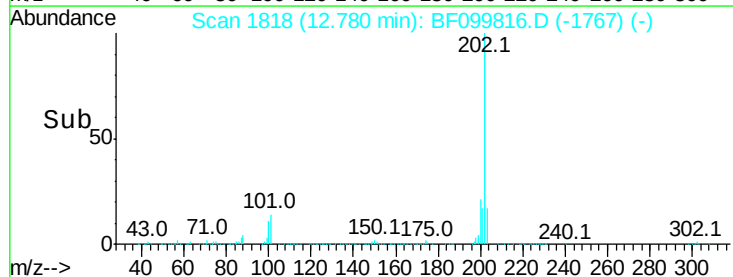
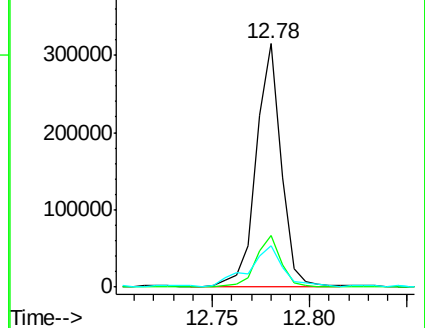
203 17.1 14.3 21.5

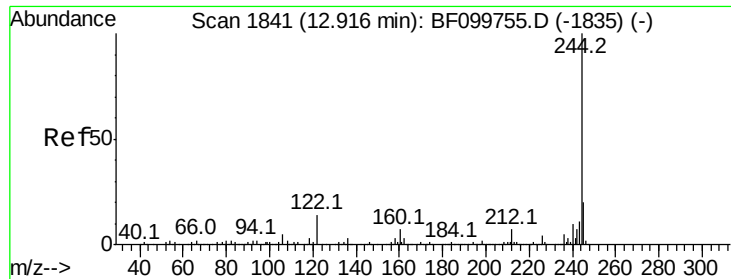


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

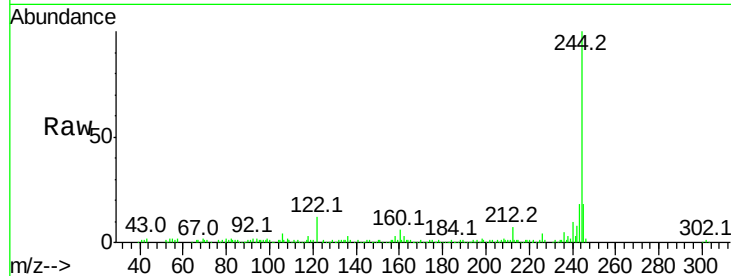




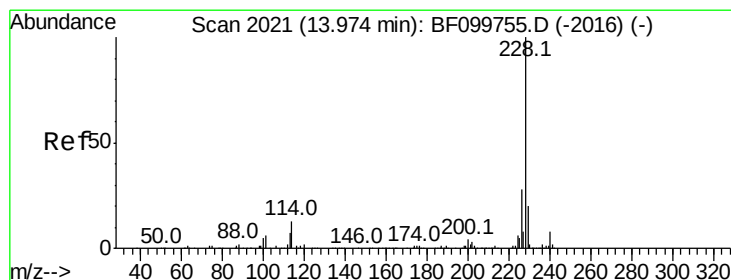
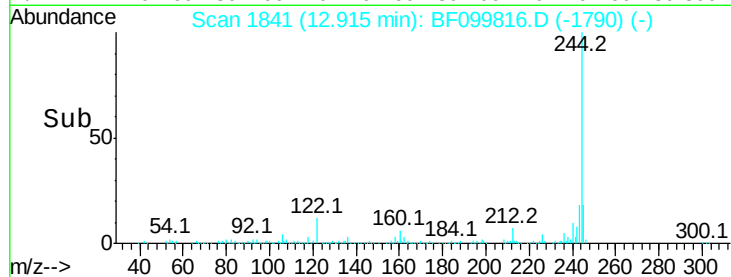
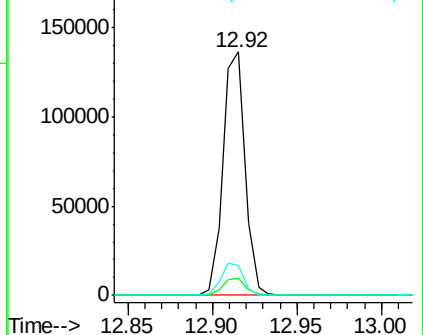
#78
 Terphenyl-d14
 Concen: 15.601 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 123963
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.4 11.0 16.4

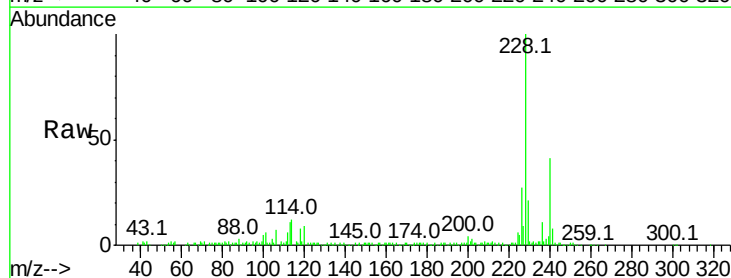


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

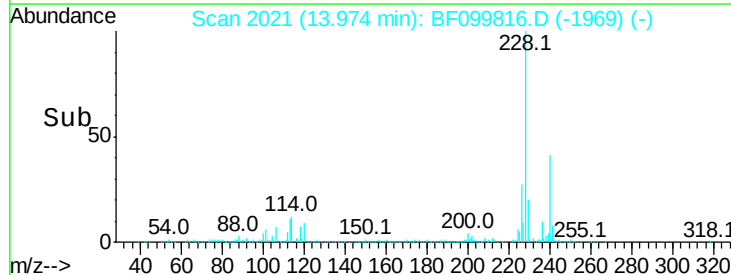
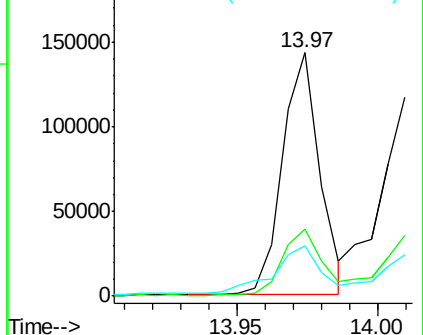


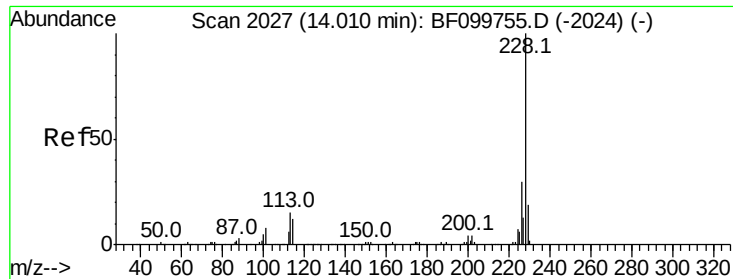
#80
 Benzo(a)anthracene
 Concen: 11.890 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Tgt Ion:228 Resp: 130887
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.6 33.8
 229 20.8 15.8 23.6



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

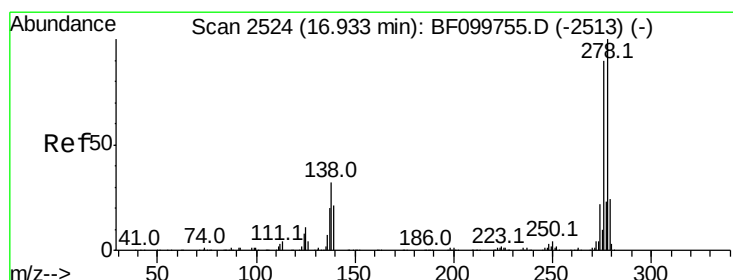
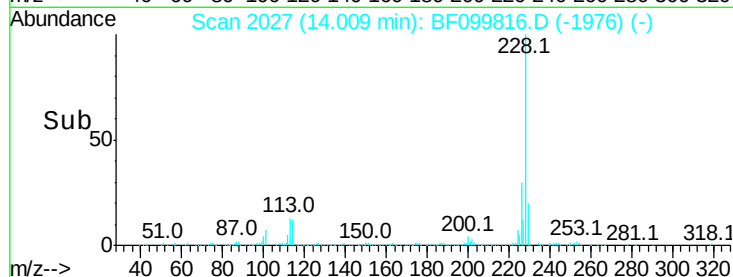
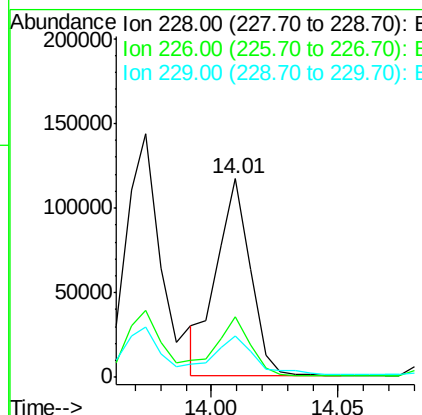
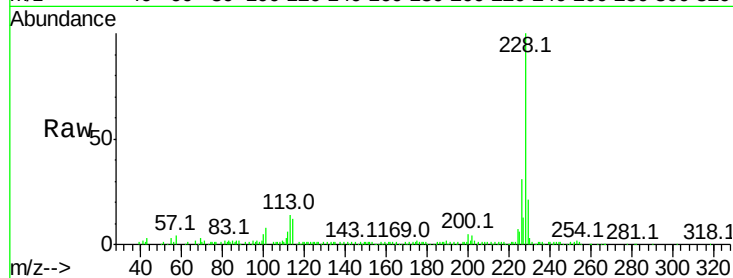




#82
Chrysene
Concen: 10.387 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

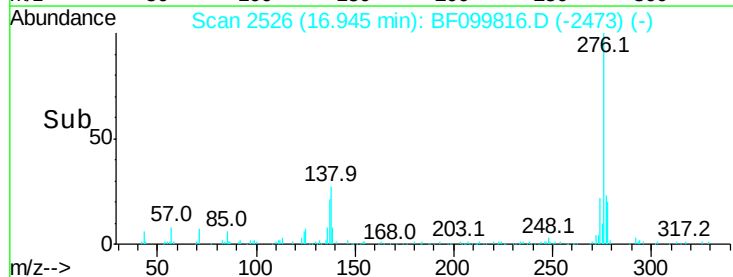
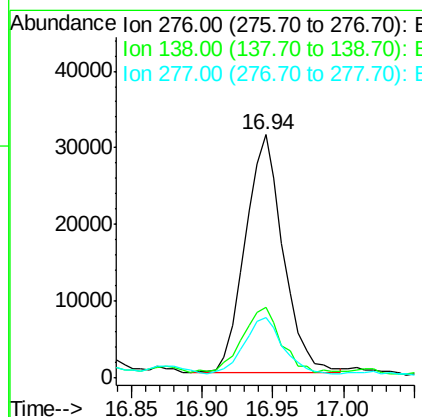
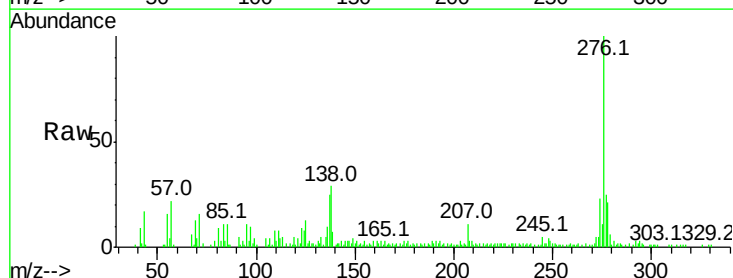
Instrument :
BNA_F
ClientSampleId :

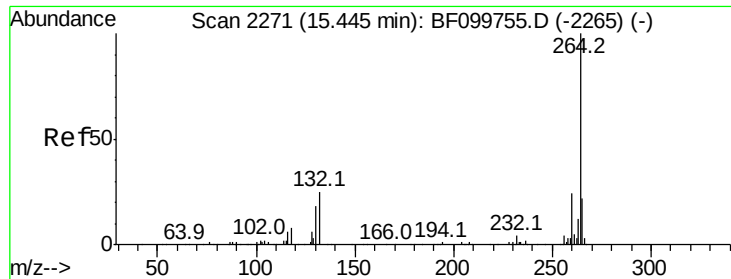
Tot Ion:228 Resp: 107498
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.113 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion:276 Resp: 58078
Ion Ratio Lower Upper
276 100
138 28.8 25.0 37.6
277 25.0 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

ClientSampleId :

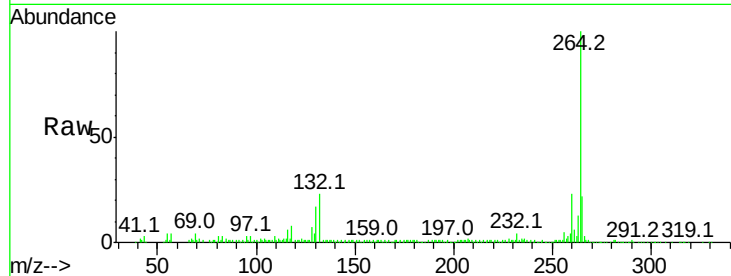
Tot Ion:264 Resp: 158825

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

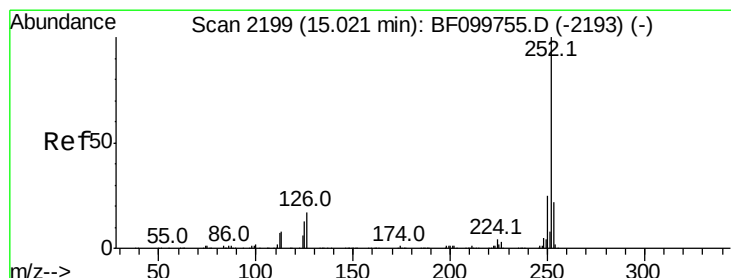
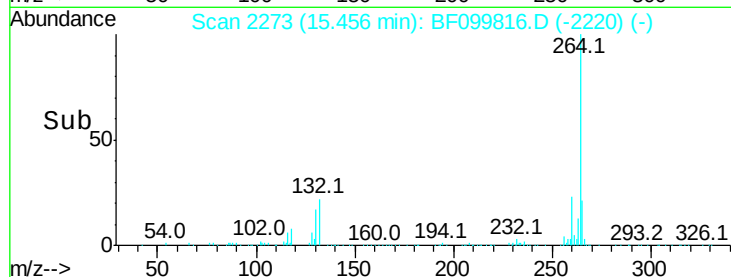
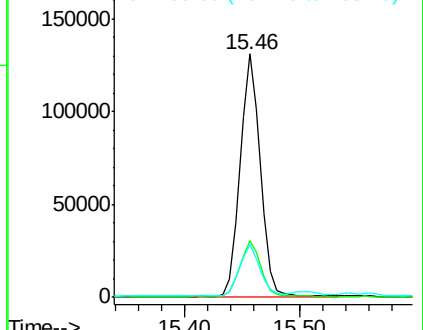
265 21.9 17.5 26.3



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: 21.098 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

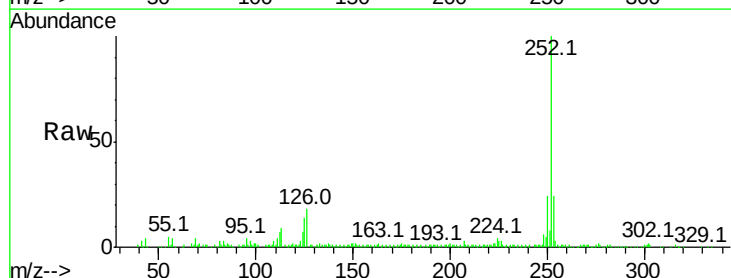
Tgt Ion:252 Resp: 211589

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

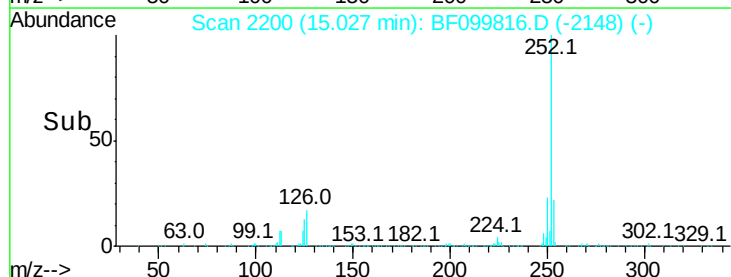
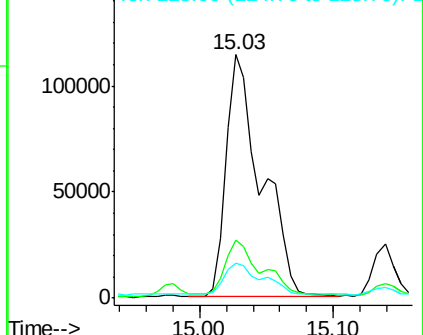
125 14.5 9.0 13.6#

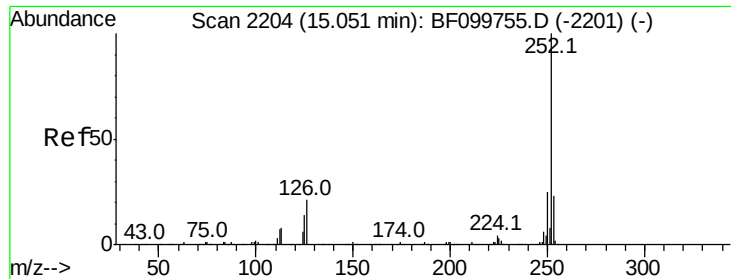


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 22.374 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.02 min

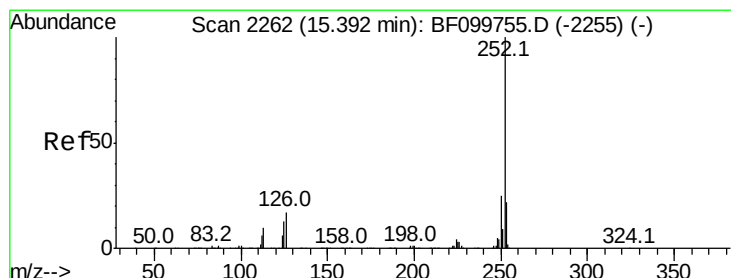
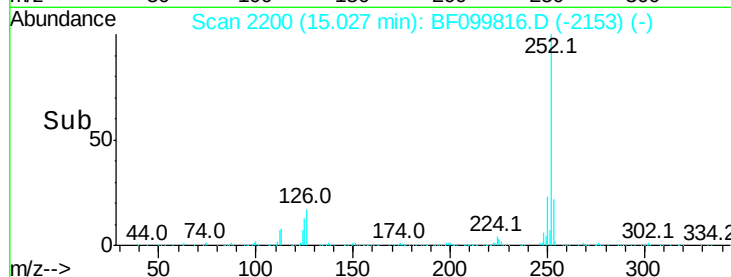
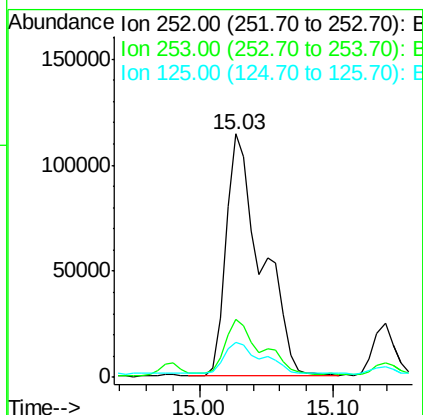
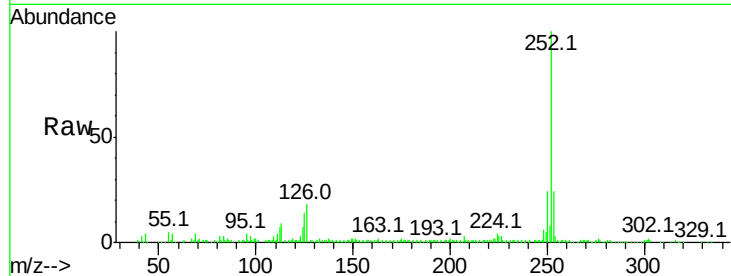
Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 211589

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	14.5	10.2	15.2



#89

Benzo(a)pyrene

Concen: 12.986 ng

RT: 15.40 min Scan# 2263

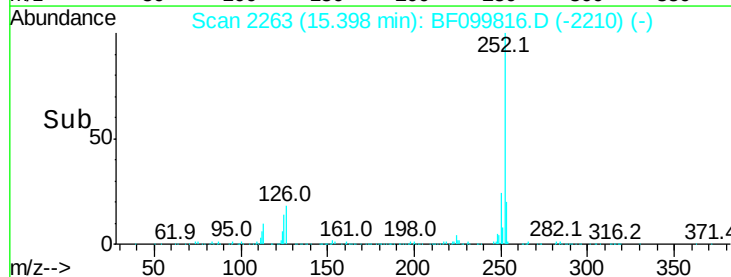
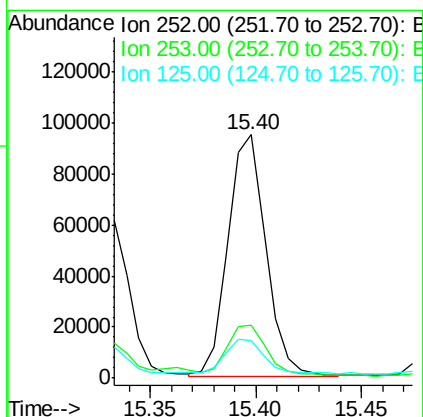
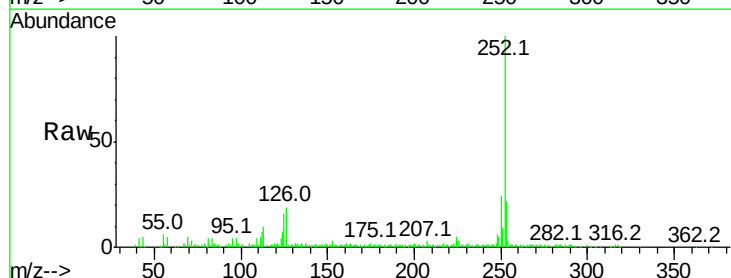
Delta R.T. 0.01 min

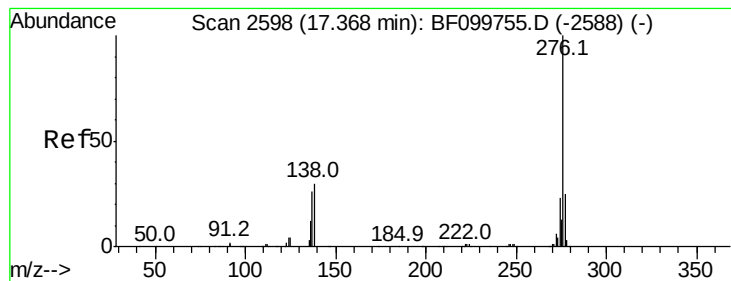
Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion:252 Resp: 116988

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	15.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 7.013 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.02 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9
138	30.6	21.8	32.8

