

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099405.D
 Acq On : 12 Oct 2017 20:04
 Operator : SJ/JU
 Sample : I5729-02 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 00:54:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119554	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	466981	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	193223	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	283232	20.00	ng	0.00
75) Chrysene-d12	14.02	240	228283	20.00	ng	0.00
86) Perylene-d12	15.49	264	199455	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	413239	55.02	ng	0.00
7) Phenol-d6	6.48	99	489843	52.87	ng	0.00
23) Nitrobenzene-d5	7.42	82	279020	38.32	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	74476	47.10	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	540070	46.66	ng	0.00
78) Terphenyl-d14	12.96	244	350103	34.88	ng	0.00

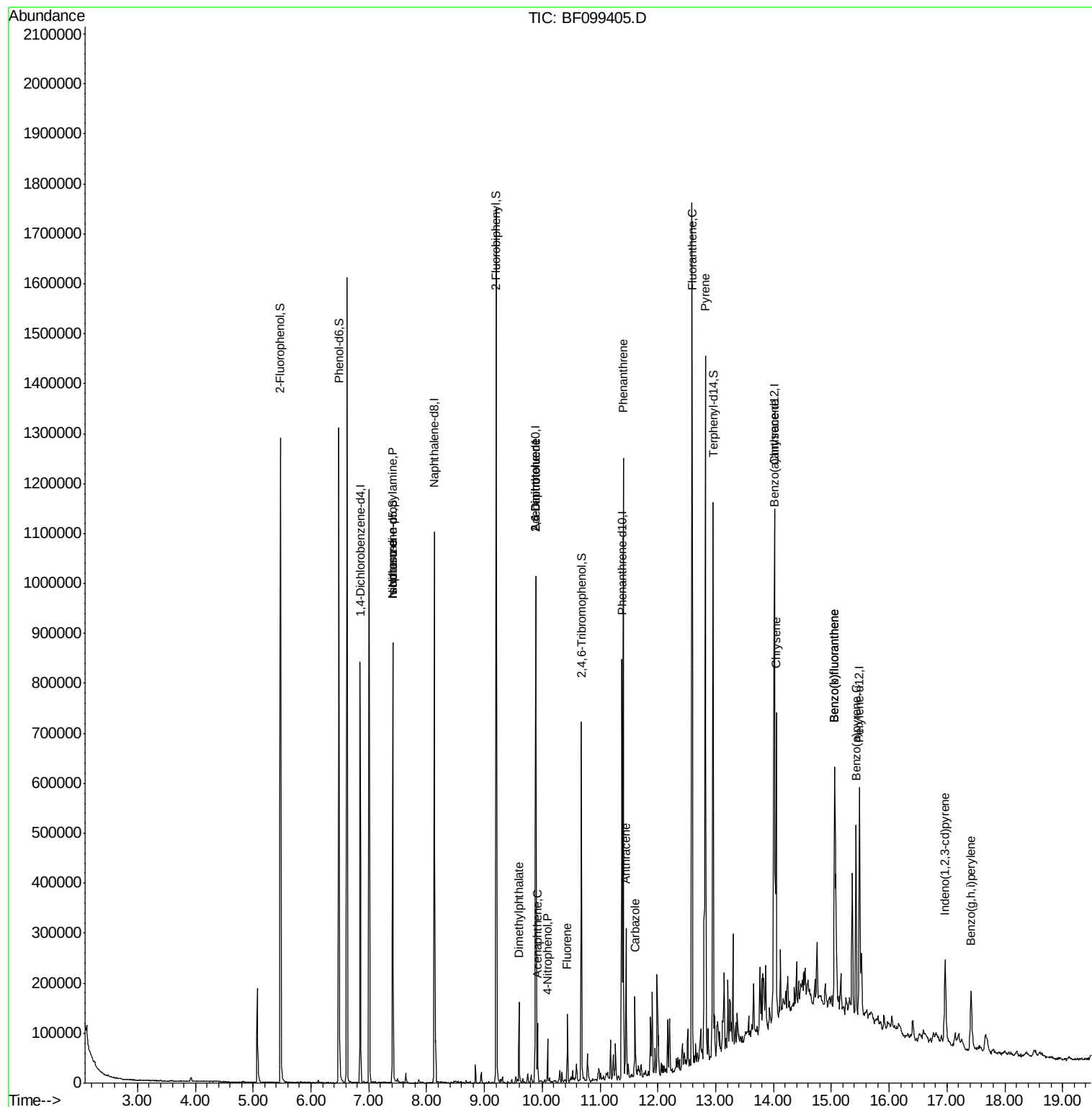
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	34270	5.79	ng	# 75
25) Isophorone	7.42	82	279018	18.53	ng	# 64
49) Dimethylphthalate	9.60	163	61439	4.21	ng	99
50) 2,6-Dinitrotoluene	9.89	165	24926	7.85	ng	# 25
51) Acenaphthene	9.92	154	24271	2.01	ng	99
55) 4-Nitrophenol	10.09	139	10882	3.48	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	24926	6.05	ng	# 23
57) Fluorene	10.43	166	34556	2.67	ng	96
70) Phenanthrene	11.40	178	457036	30.15	ng	99
71) Anthracene	11.45	178	104741	6.75	ng	97
72) Carbazole	11.61	167	64581	4.25	ng	96
74) Fluoranthene	12.59	202	669047	43.58	ng	99
77) Pyrene	12.82	202	553864	31.82	ng	100
80) Benzo(a)anthracene	14.00	228	254048	18.38	ng	99
82) Chrysene	14.04	228	234349	17.81	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	92297	8.77	ng	100
87) Benzo(b)fluoranthene	15.06	252	357187	29.13	ng	# 94
88) Benzo(k)fluoranthene	15.06	252	357187	29.49	ng	# 97
89) Benzo(a)pyrene	15.43	252	170019	15.10	ng	96
91) Benzo(a,h,i)perylene	17.42	276	90931	10.21	ng	94

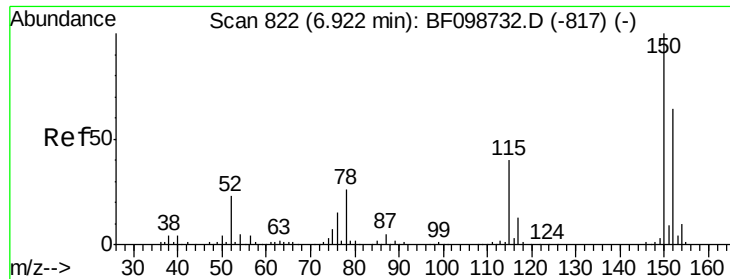
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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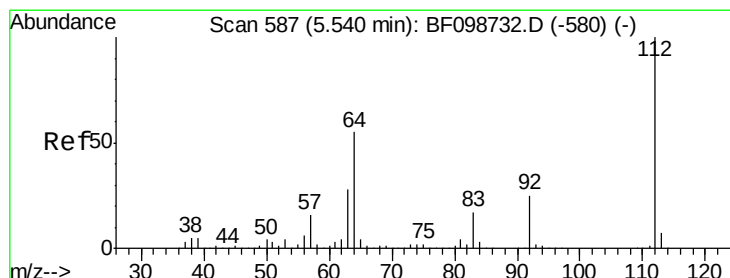
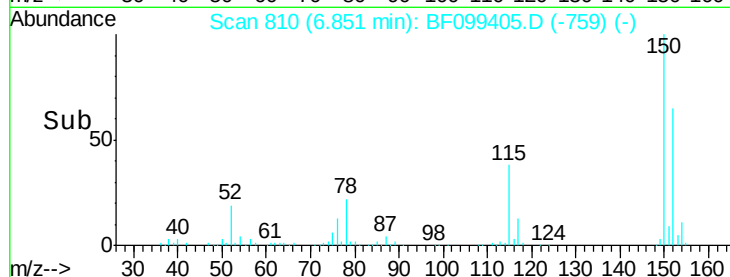
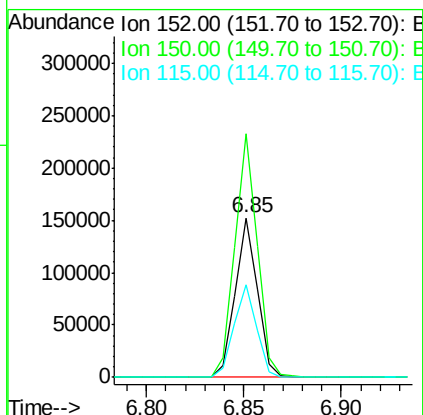
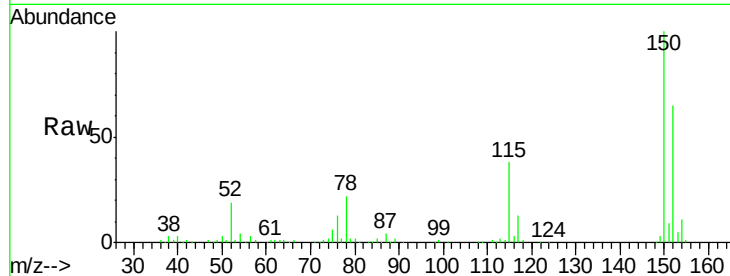


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampleId :

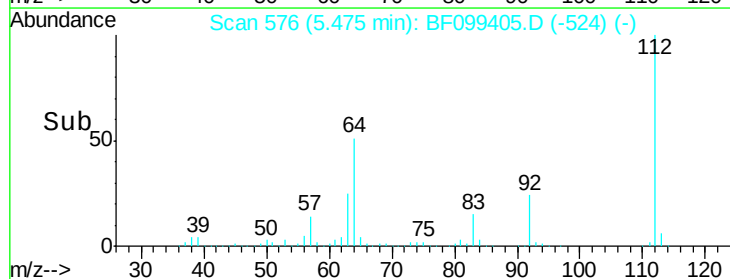
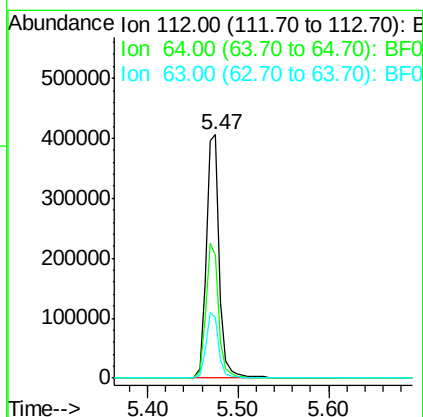
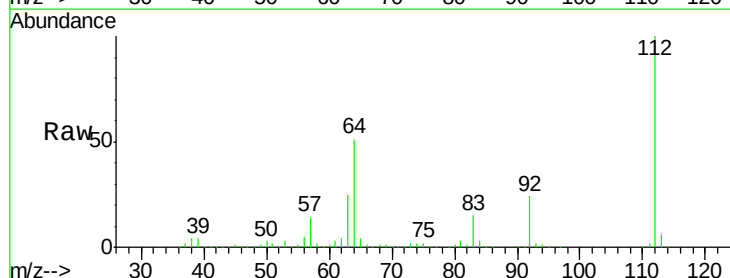
Tot Ion:152 Resp: 119554
Ion Ratio Lower Upper
152 100
150 152.8 124.6 186.8
115 58.4 50.1 75.1

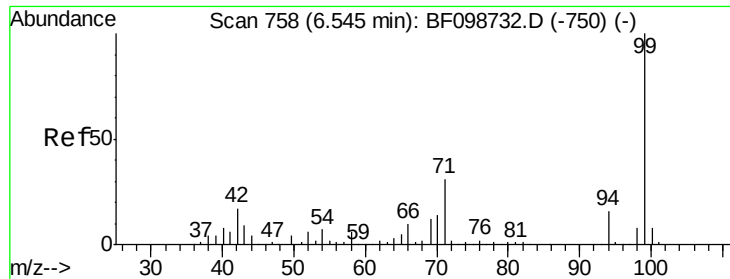


#5

2-Fluorophenol
Concen: 55.02 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:112 Resp: 413239
Ion Ratio Lower Upper
112 100
64 50.8 47.9 71.9
63 24.9 23.7 35.5





#7

Phenol-d6

Concen: 52.87 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

ClientSampleId :

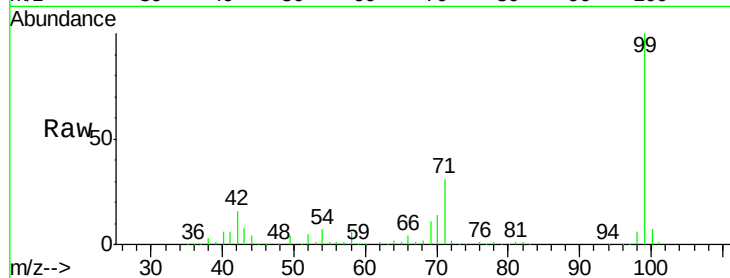
Tot Ion: 99 Resp: 489843

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

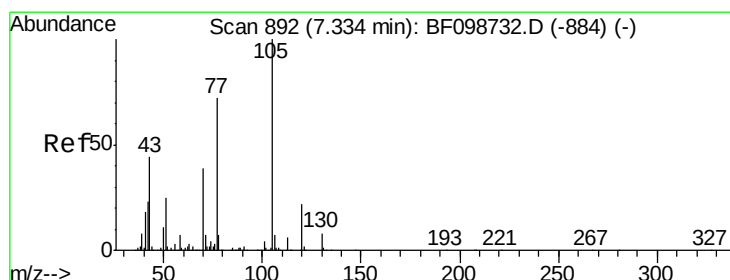
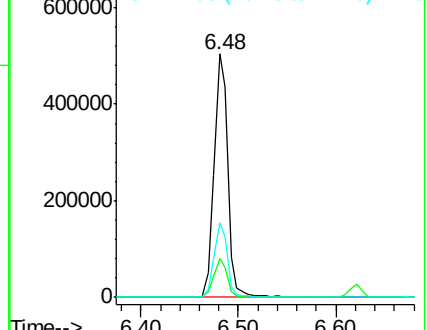
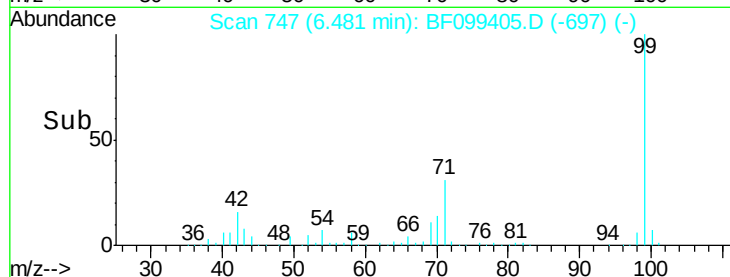
71 30.6 25.4 38.0



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: 5.79 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion: 70 Resp: 34270

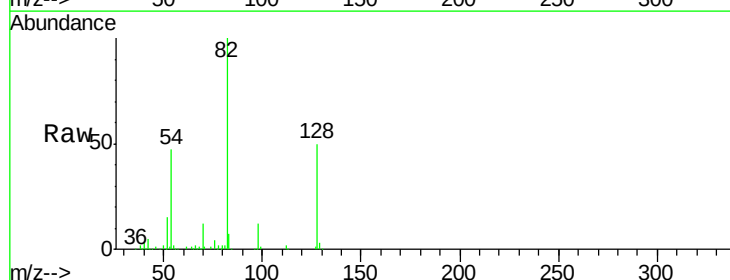
Ion Ratio Lower Upper

70 100

42 43.9 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

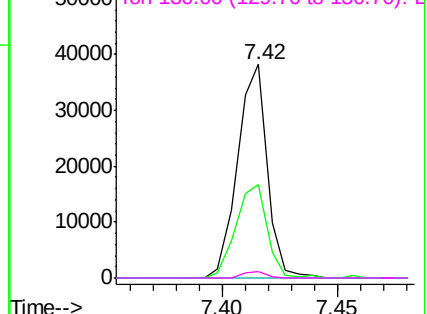
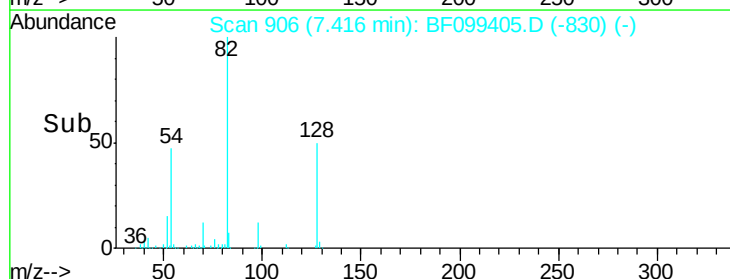


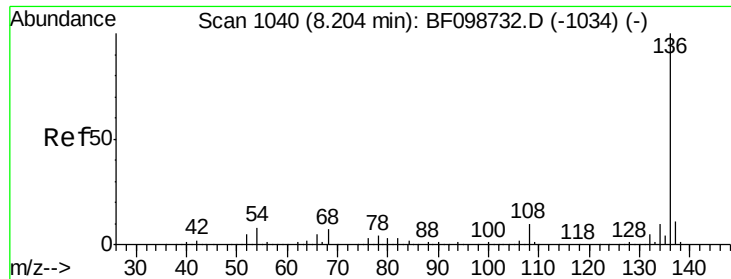
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

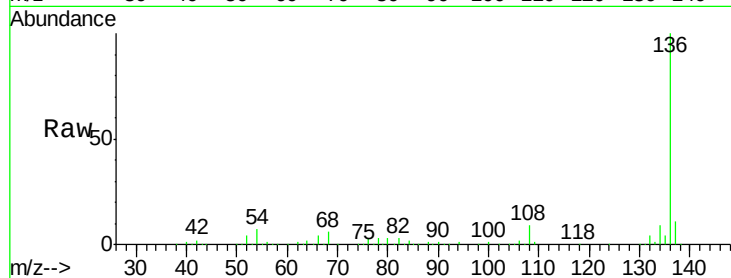




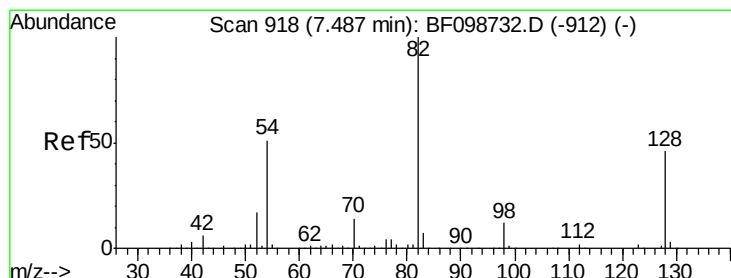
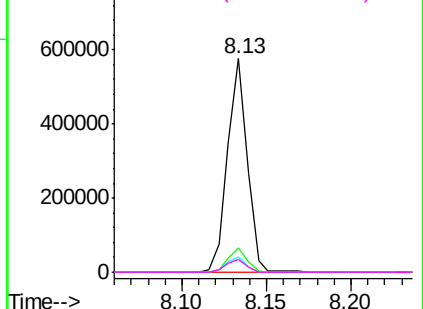
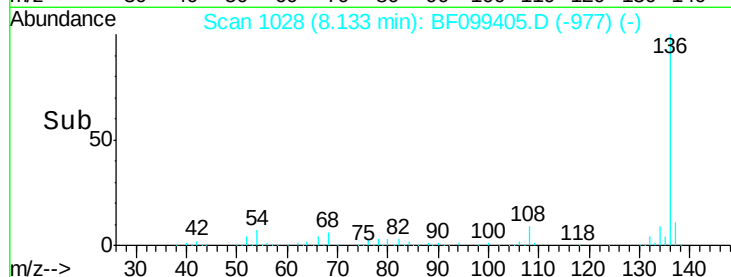
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	466981
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.9	6.6 9.8
68	5.9	5.0 7.4

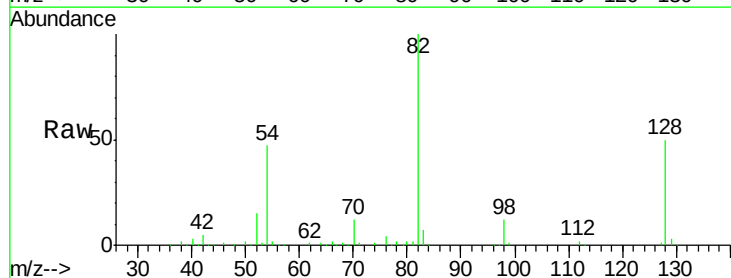


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

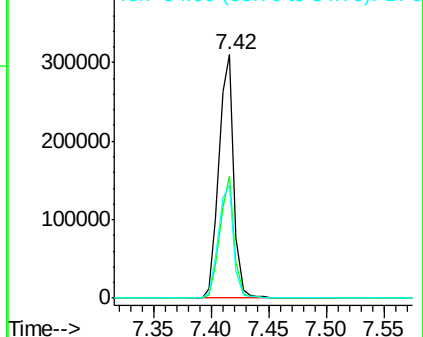
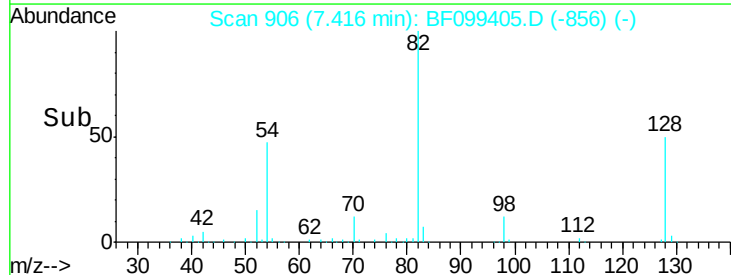


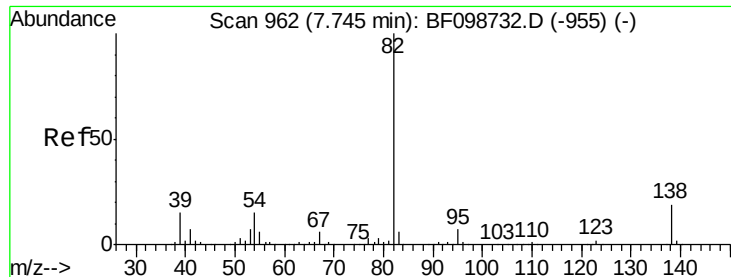
#23
Nitrobenzene-d5
Concen: 38.32 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion: 82	Resp:	279020
Ion Ratio	Lower	Upper
82	100	
128	50.3	36.1 54.1
54	46.5	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: 18.53 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

ClientSampleId :

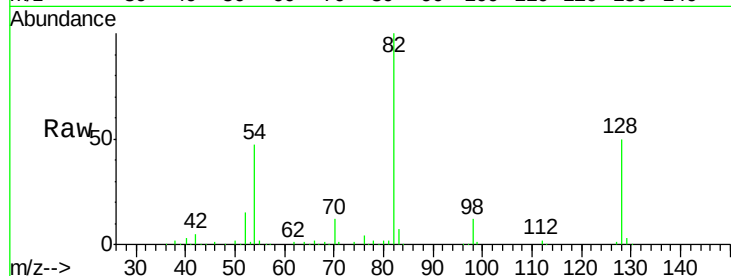
Tot Ion: 82 Resp: 279018

Ion Ratio Lower Upper

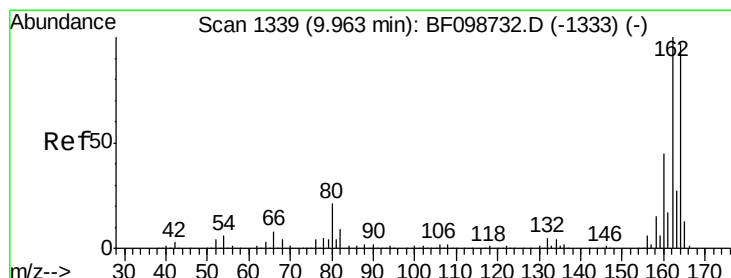
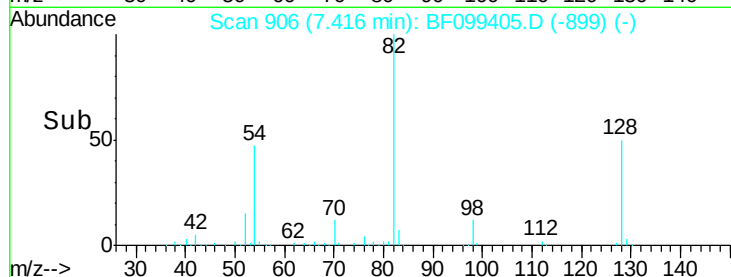
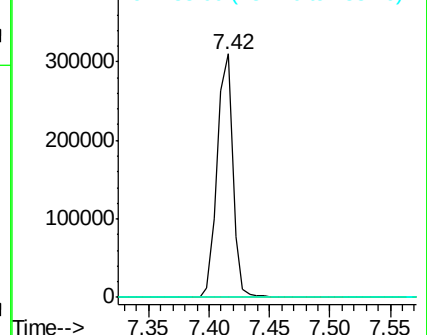
82 100

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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

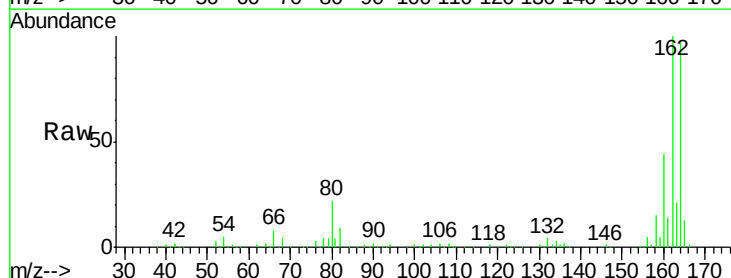
Tgt Ion: 164 Resp: 193223

Ion Ratio Lower Upper

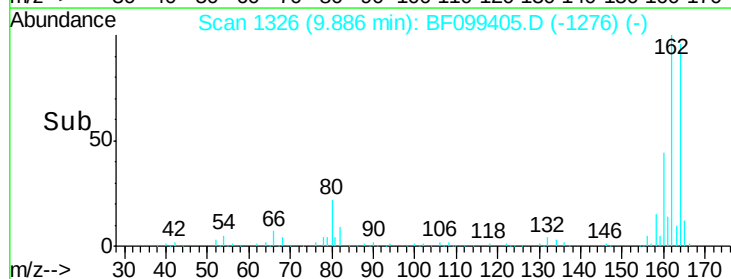
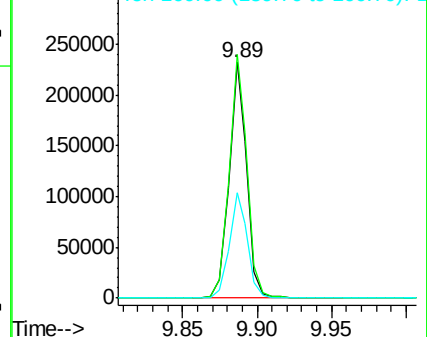
164 100

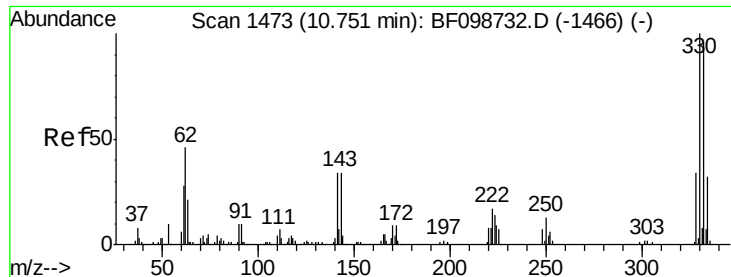
162 103.3 86.1 129.1

160 45.0 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

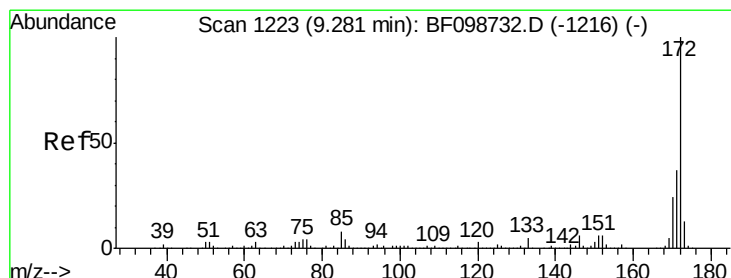
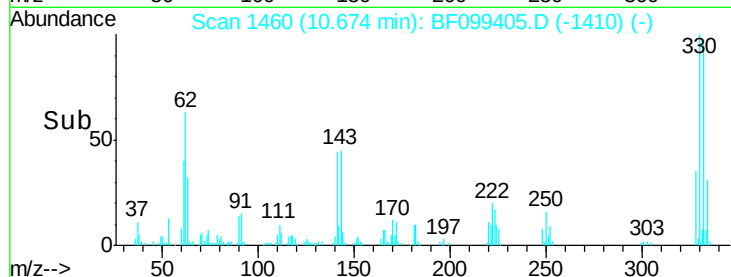
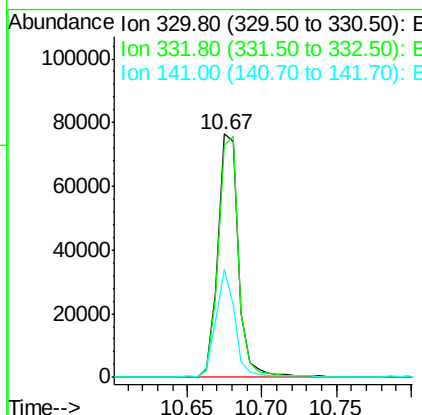
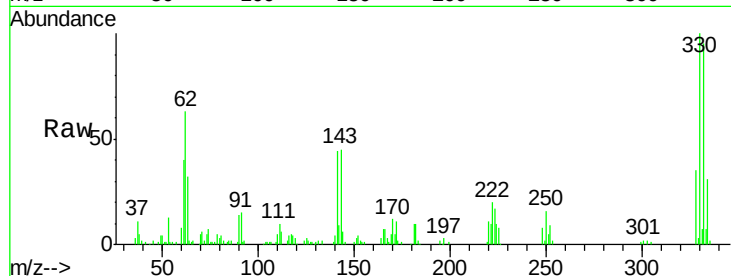




#41
 2,4,6-Tribromophenol
 Concen: 47.10 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

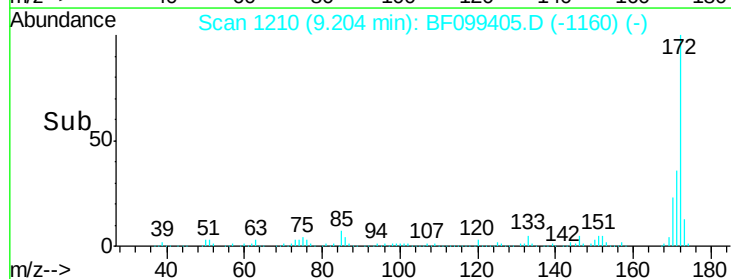
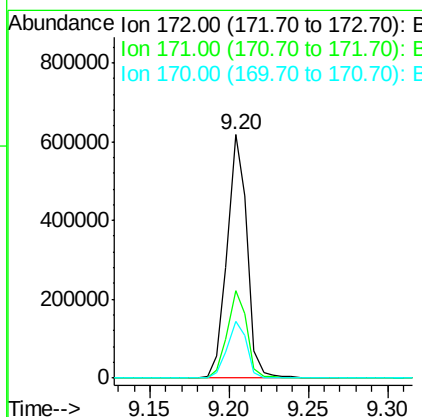
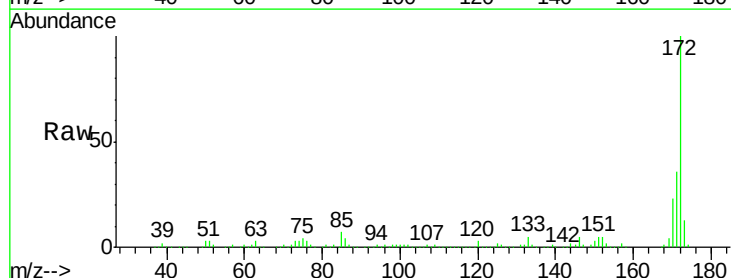
Instrument :
 BNA_F
 ClientSampleId :

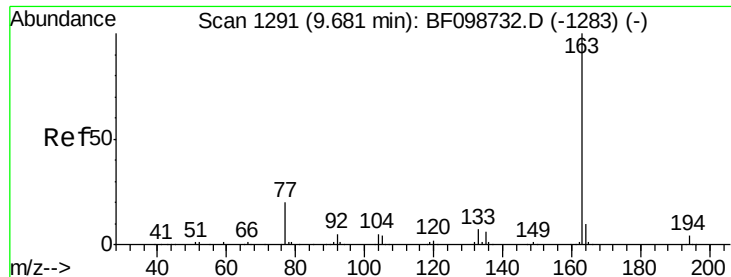
Tot Ion:330 Resp: 74476
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.0 115.6
 141 41.4 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 46.66 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Tgt Ion:172 Resp: 540070
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.3 19.6 29.4

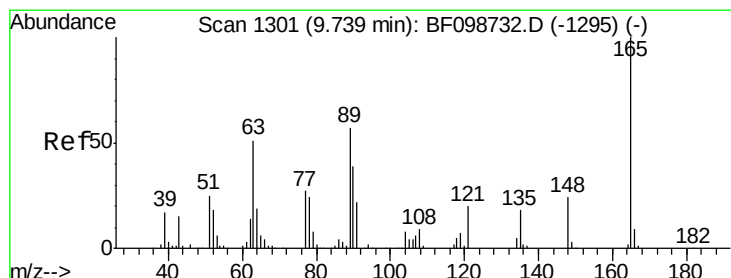
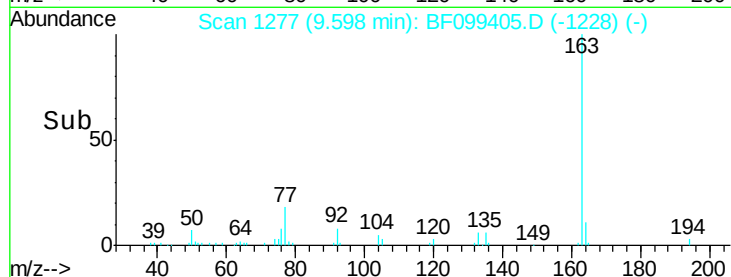
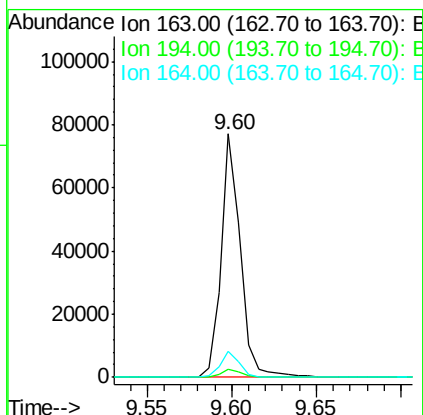
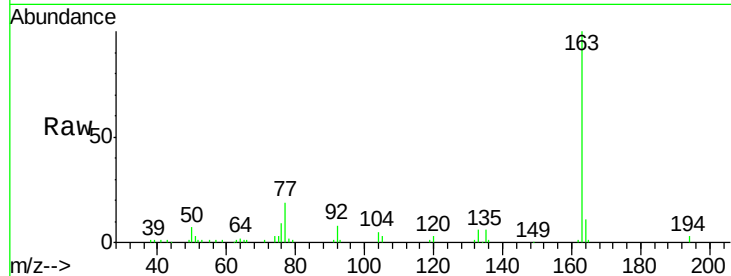




#49
Dimethylphthalate
Concen: 4.21 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

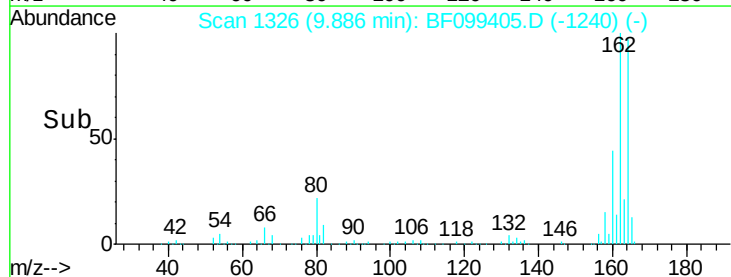
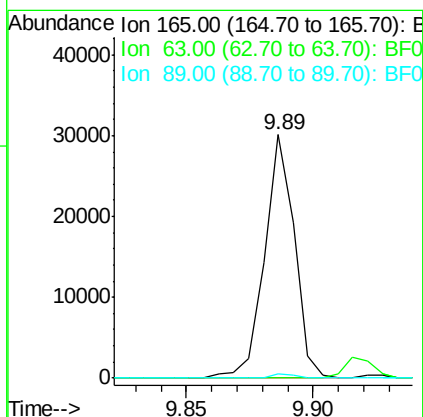
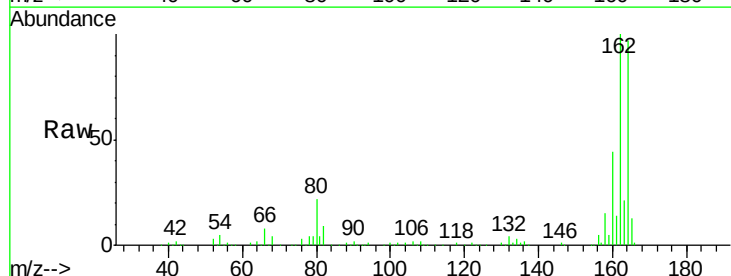
Instrument :
BNA_F
ClientSampleId :

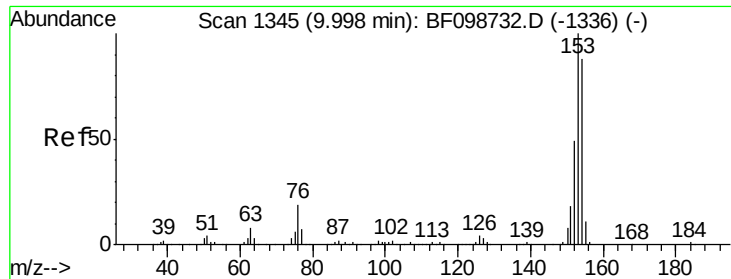
Tot Ion:163 Resp: 61439
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.5 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.21 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:165 Resp: 24926
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.7 44.0 66.0#





#51

Acenaphthene

Concen: 2.01 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

ClientSampleId :

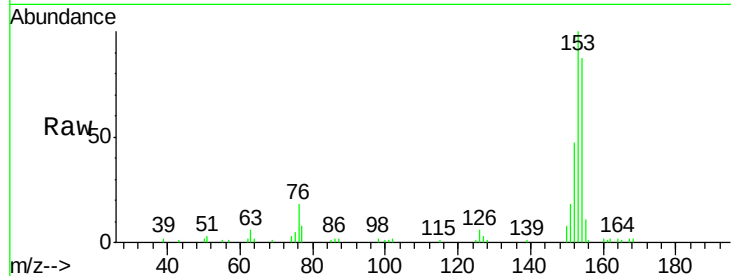
Tot Ion:154 Resp: 24271

Ion Ratio Lower Upper

154 100

153 115.3 91.2 136.8

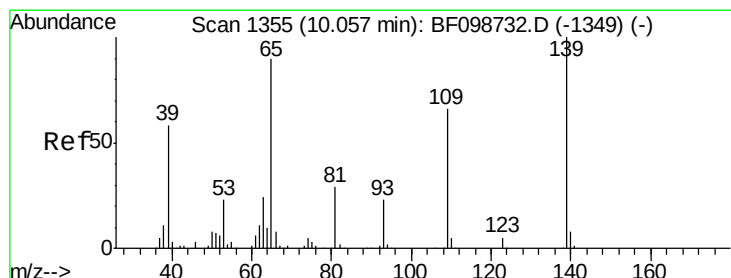
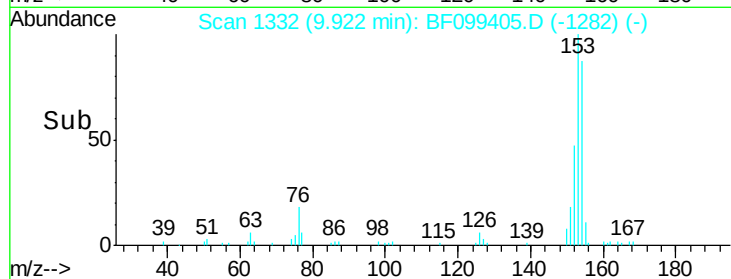
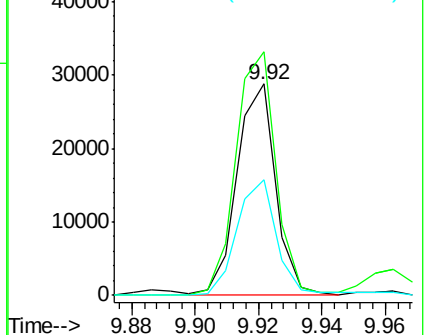
152 54.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 3.48 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.08 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

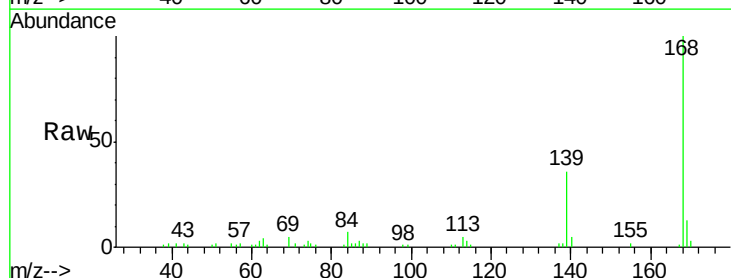
Tgt Ion:139 Resp: 10882

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

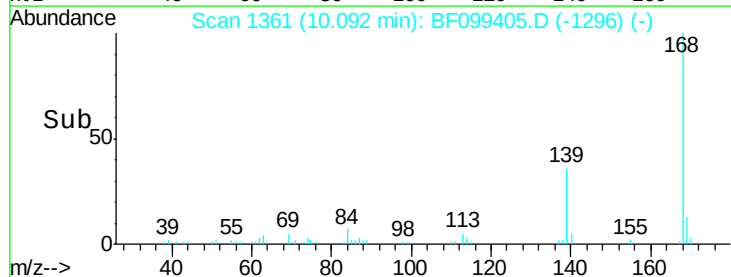
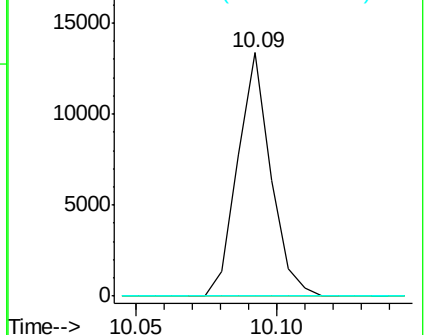
65 0.0 72.6 112.6#

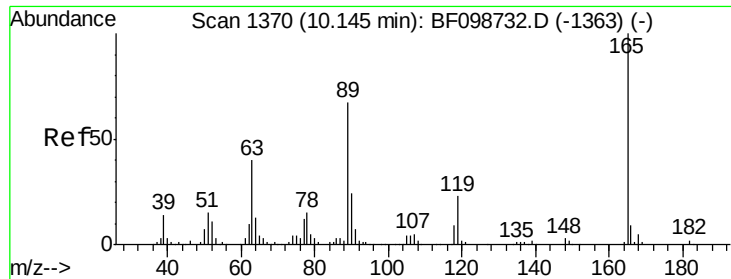


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

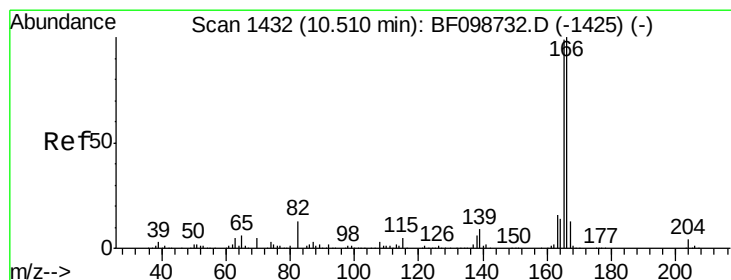
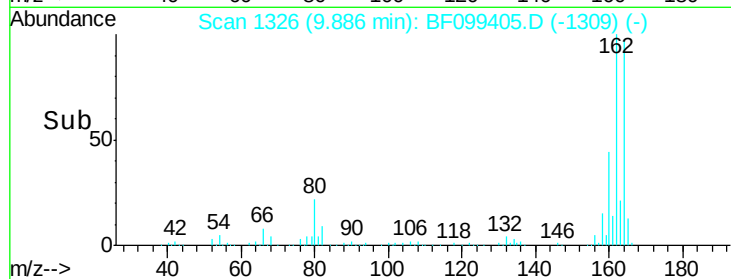
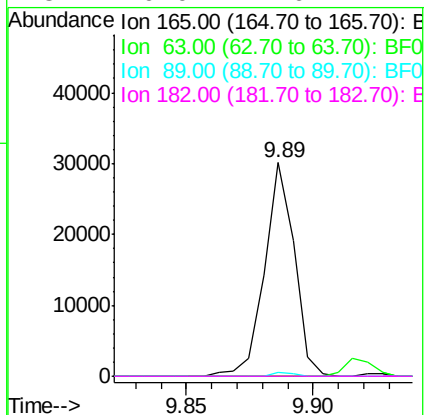
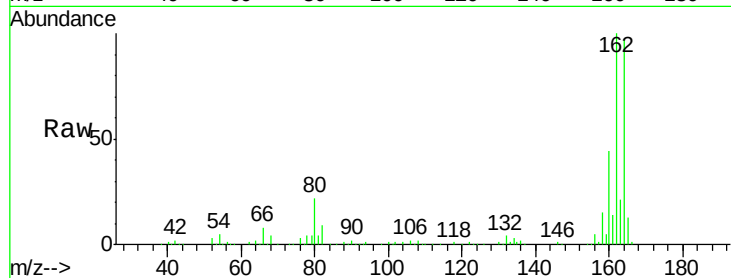




#56
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

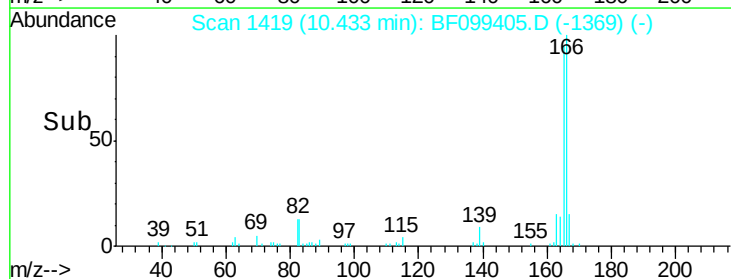
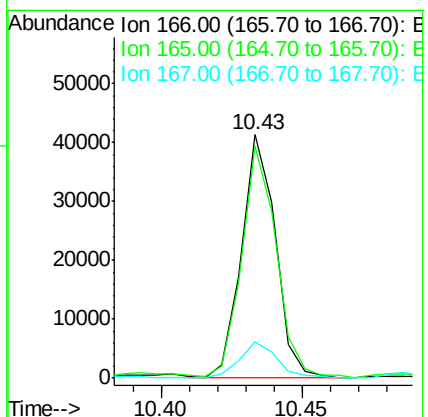
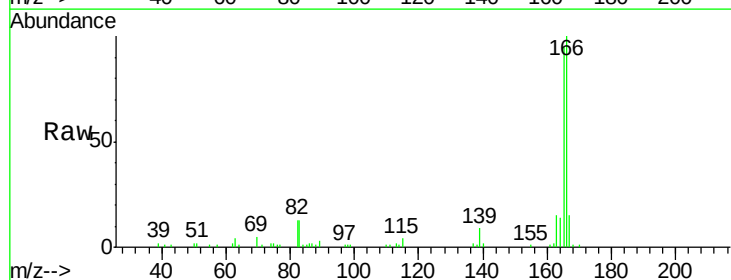
Instrument :
BNA_F
ClientSampleId :

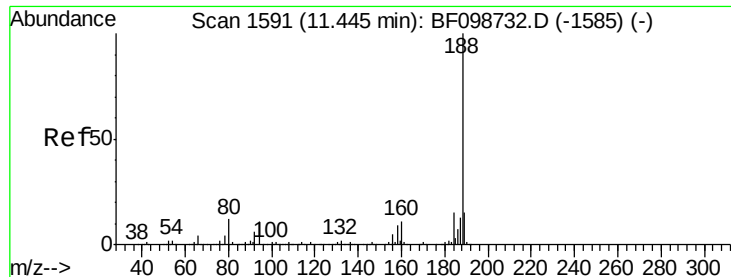
Tot Ion:165	Resp:	24926
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 2.67 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:166	Resp:	34556
Ion Ratio	Lower	Upper
166	100	
165	95.5	79.8 119.8
167	15.0	10.6 16.0

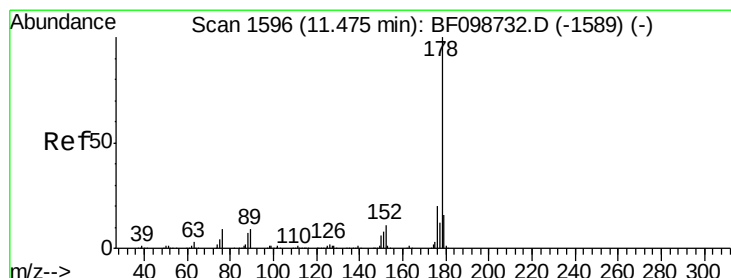
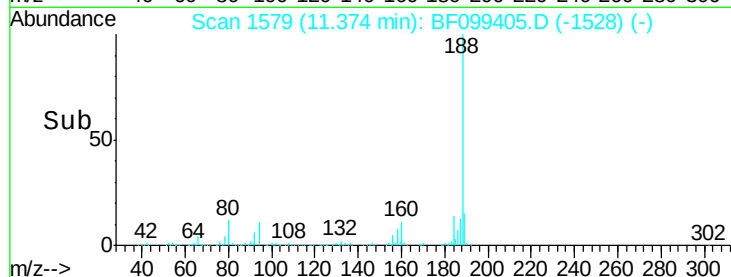
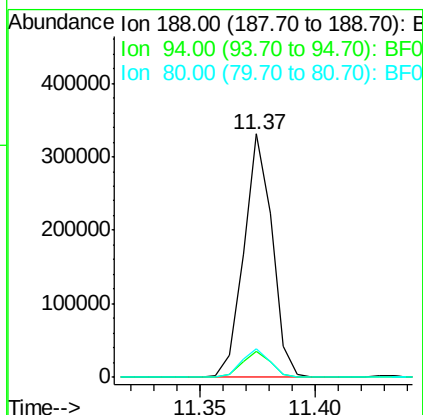
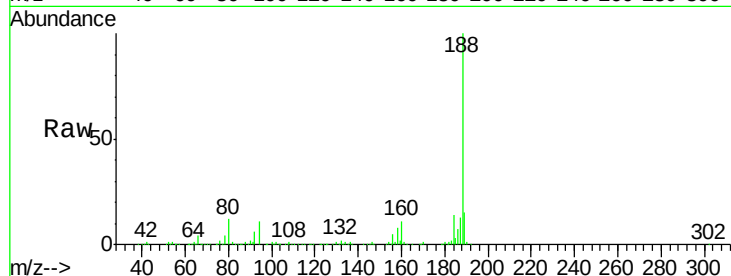




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

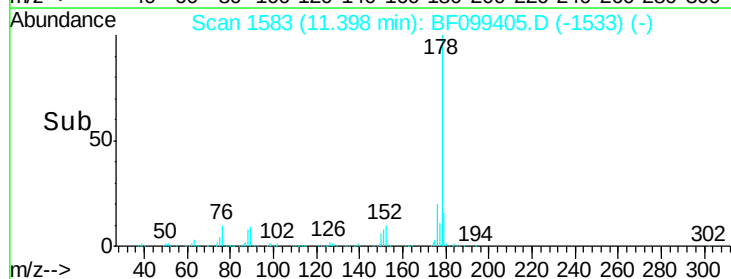
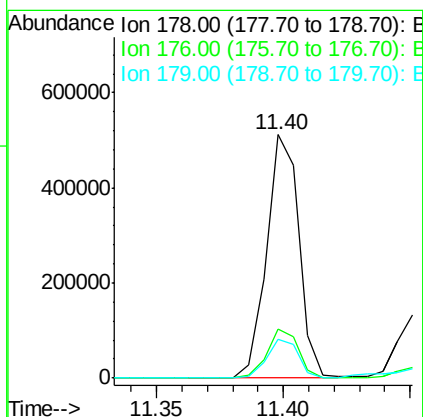
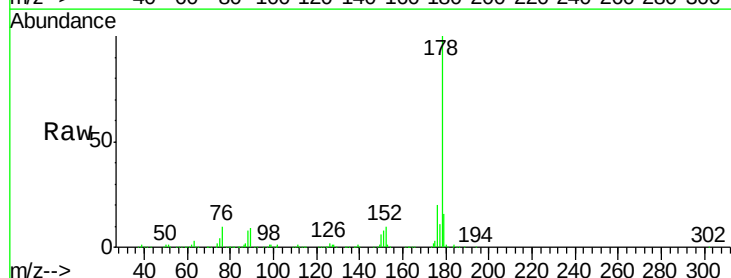
Instrument :
BNA_F
ClientSampleId :

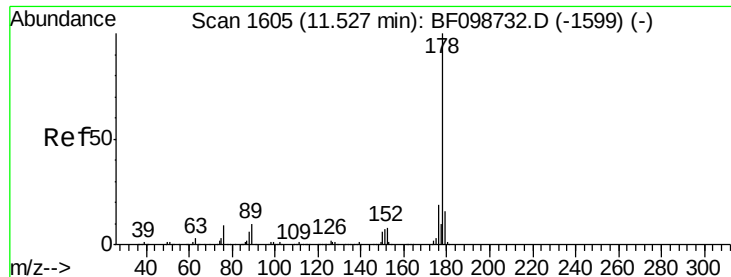
Tot Ion:188 Resp: 283232
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.8 9.2 13.8



#70
Phenanthrene
Concen: 30.15 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:178 Resp: 457036
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.8 13.0 19.6

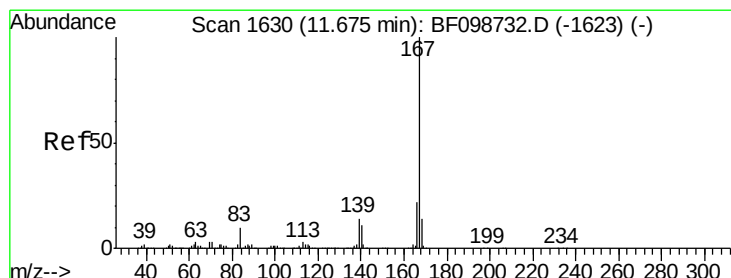
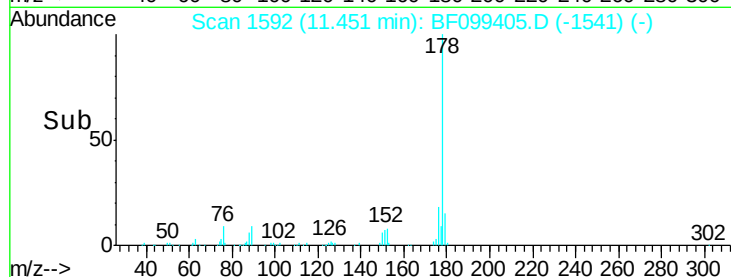
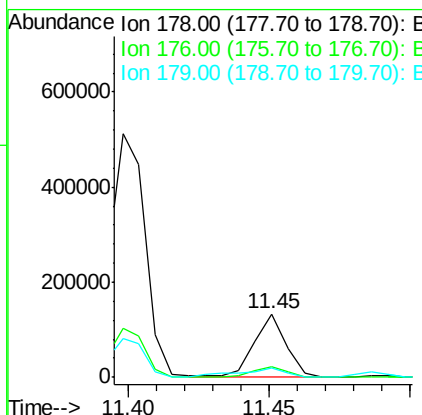
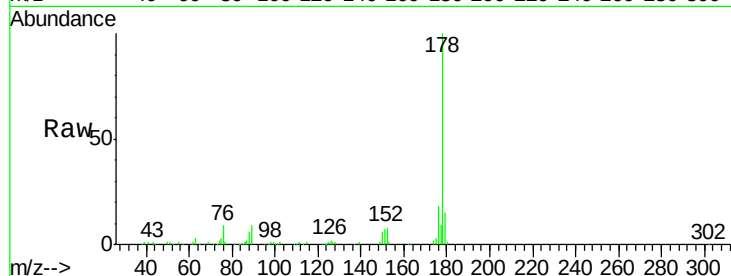




#71
 Anthracene
 Concen: 6.75 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

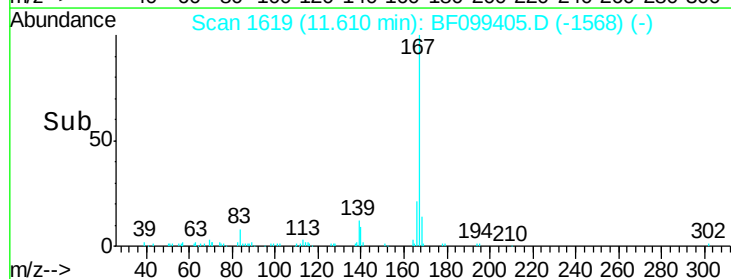
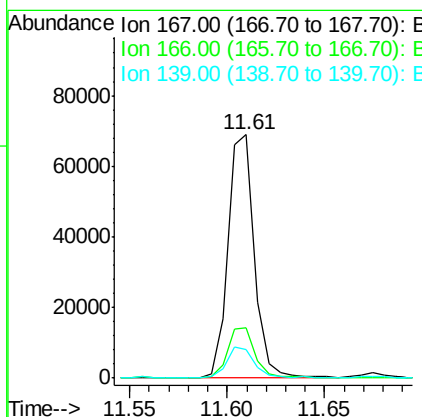
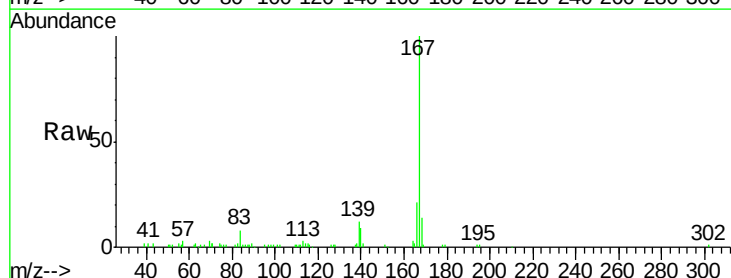
Instrument :
 BNA_F
 ClientSampleId :

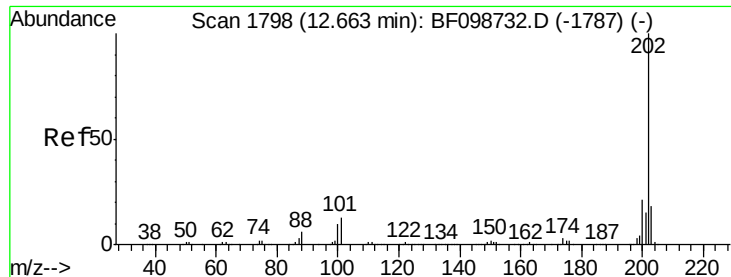
Tot Ion:178 Resp: 104741
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.2
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 4.25 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Tgt Ion:167 Resp: 64581
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.6 26.4
 139 11.7 10.9 16.3





#74

Fluoranthene

Concen: 43.58 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

ClientSampled :

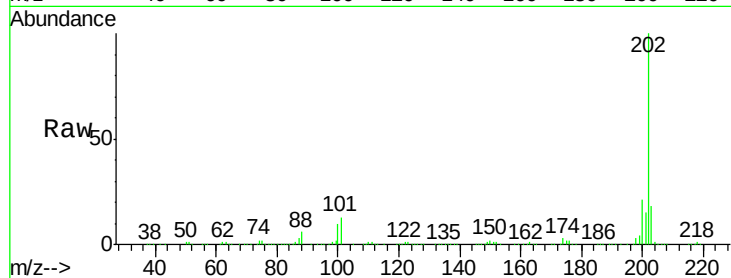
Tot Ion:202 Resp: 669047

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

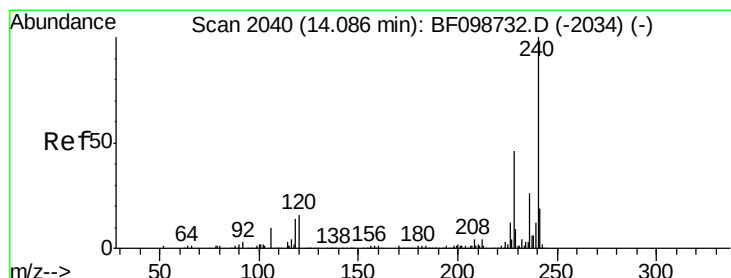
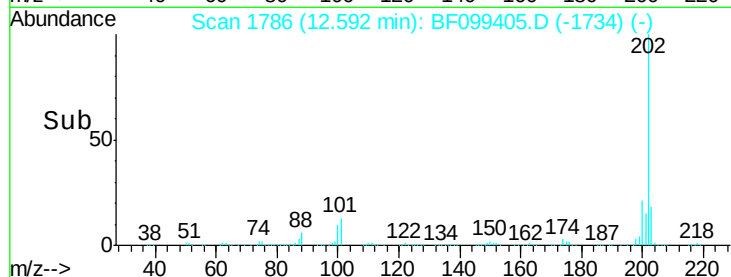
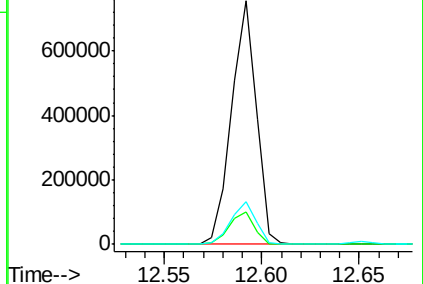
203 17.7 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

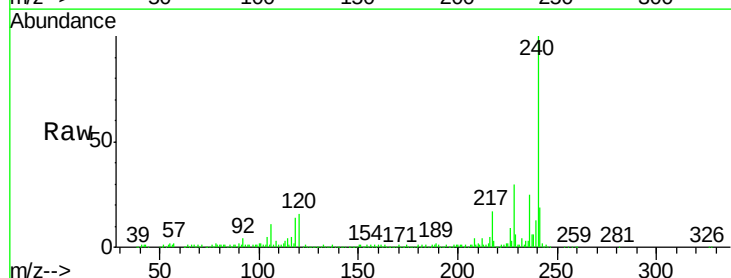
Tgt Ion:240 Resp: 228283

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

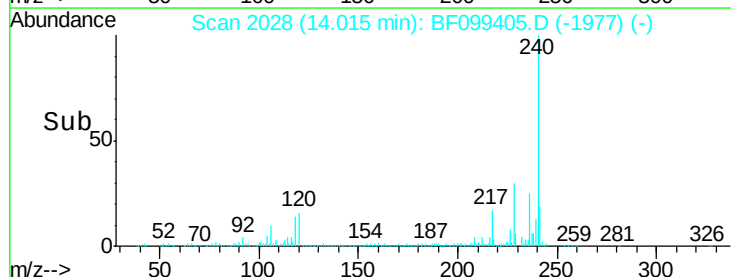
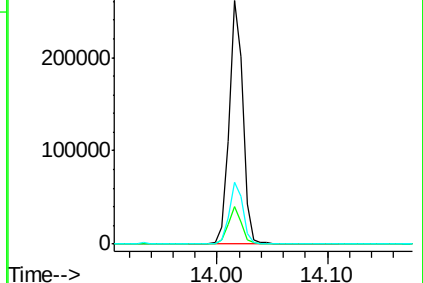
236 25.2 20.7 31.1

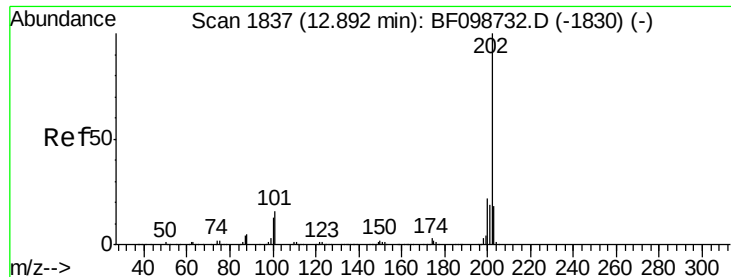


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

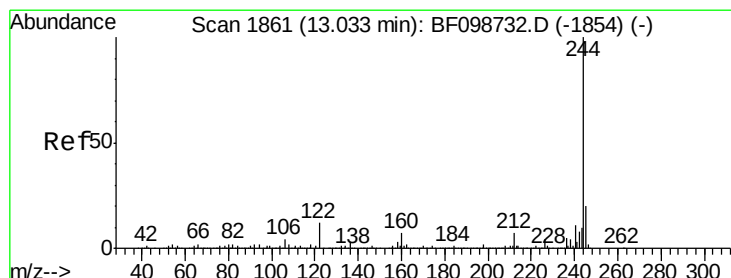
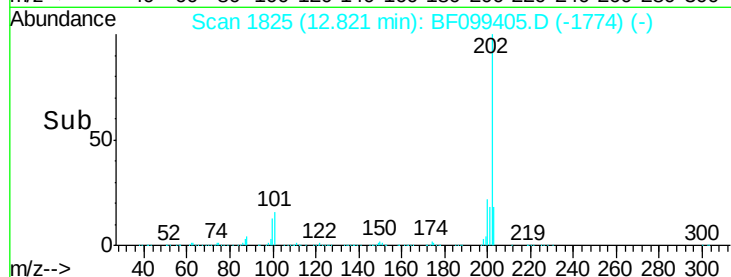
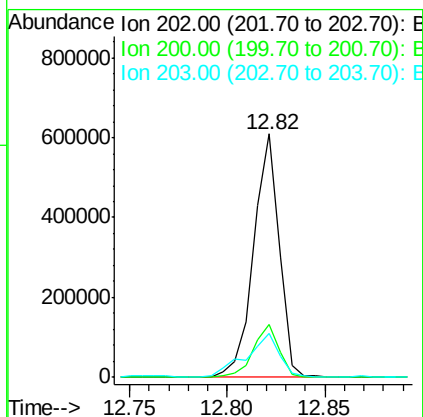
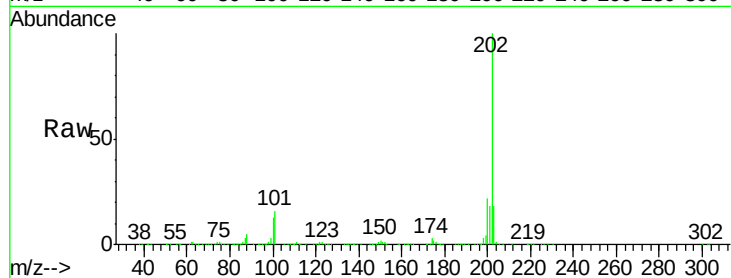




#77
Pvrene
Concen: 31.82 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

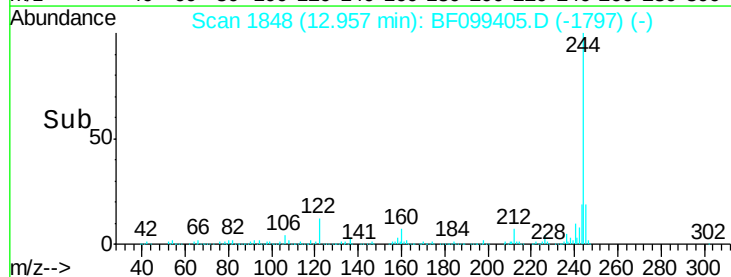
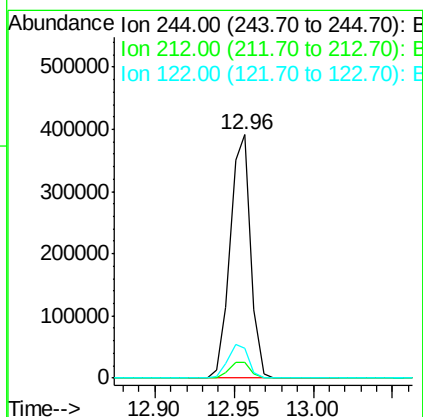
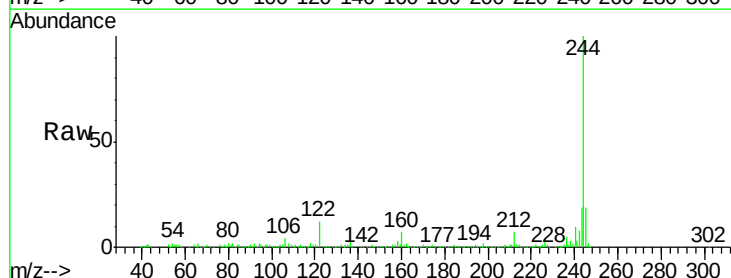
Instrument :
BNA_F
ClientSampleId :

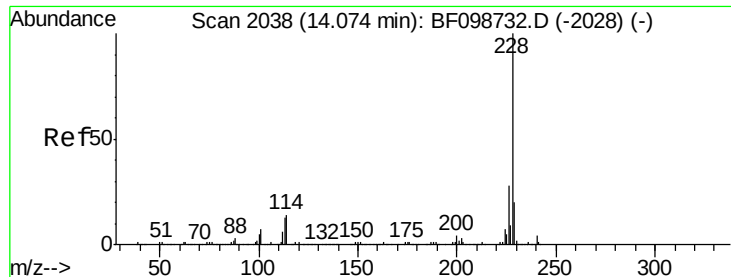
Tot Ion:202 Resp: 553864
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.0 14.3 21.5



#78
Terphenyl-d14
Concen: 34.88 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:244 Resp: 350103
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 12.2 11.0 16.4

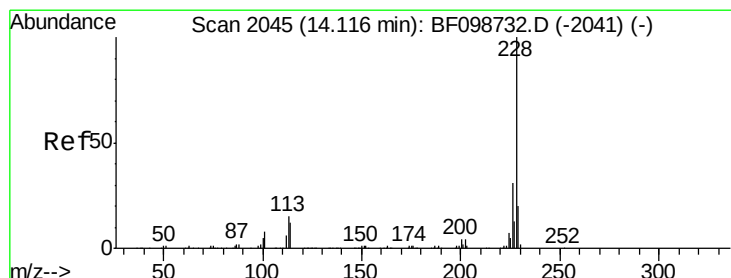
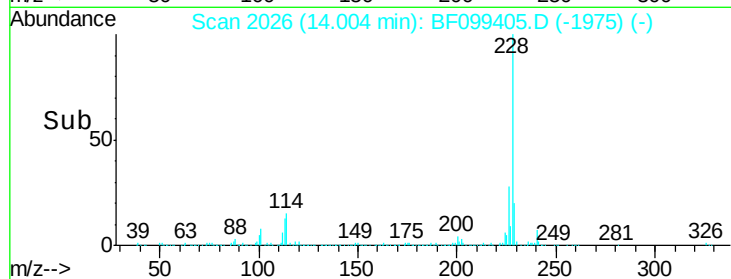
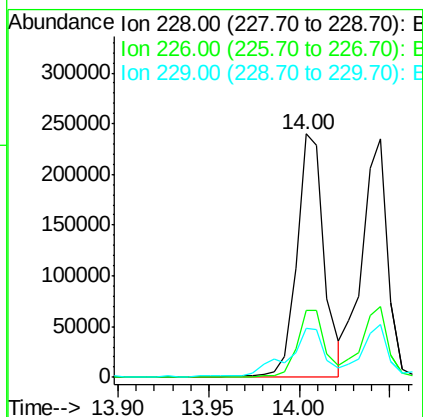
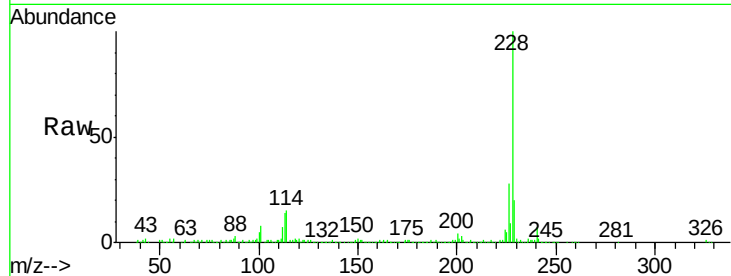




#80
Benzo(a)anthracene
Concen: 18.38 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

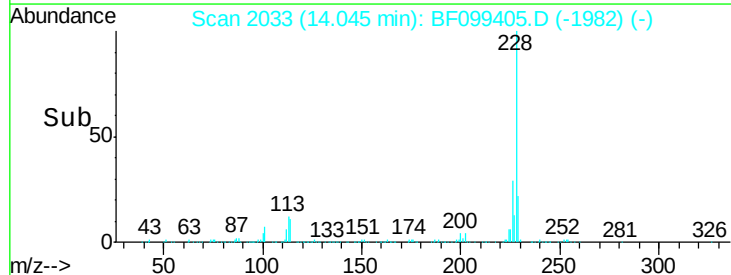
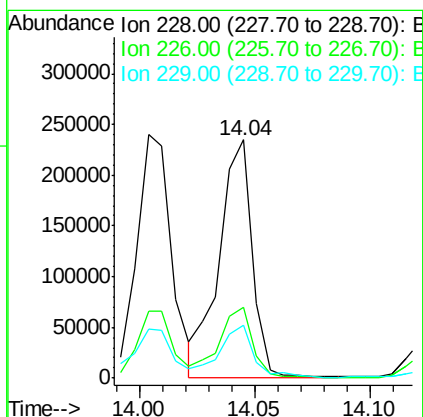
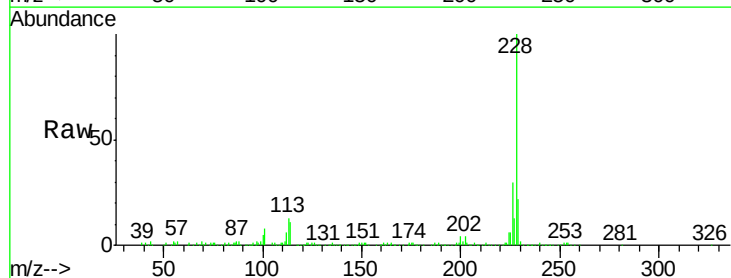
Instrument :
BNA_F
ClientSampleId :

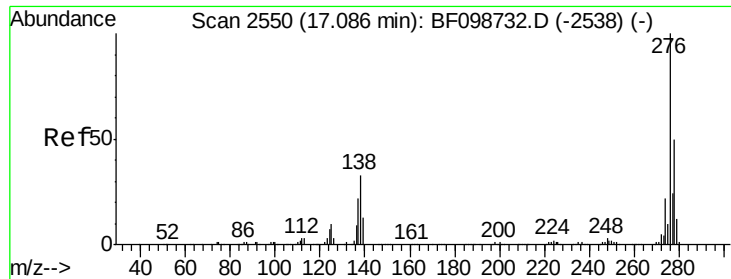
Tot Ion:228 Resp: 254048
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 20.3 15.8 23.6



#82
Chrysene
Concen: 17.81 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:228 Resp: 234349
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 22.2 16.2 24.4

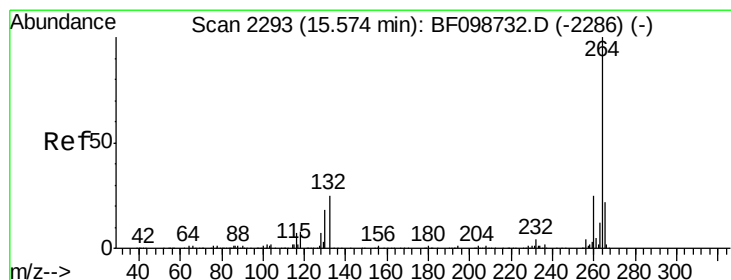
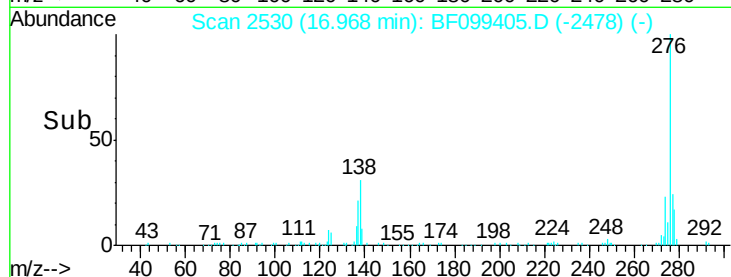
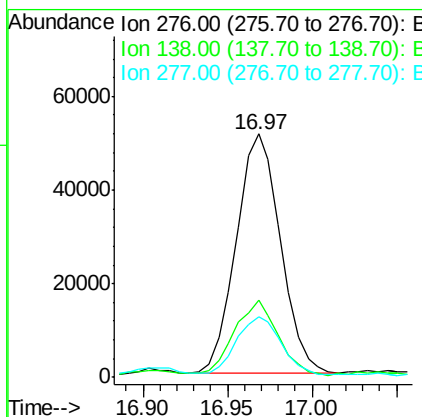
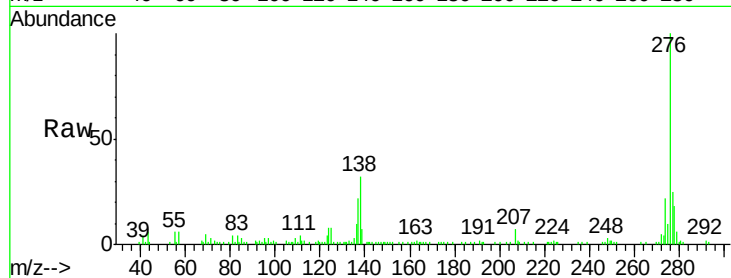




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.77 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

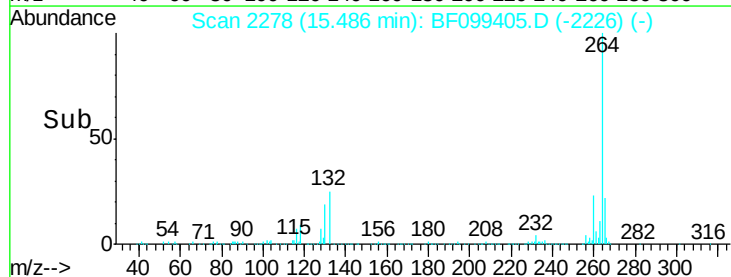
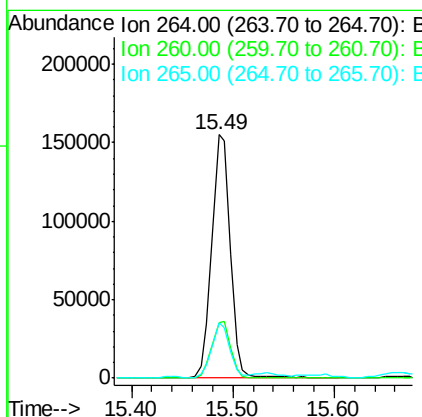
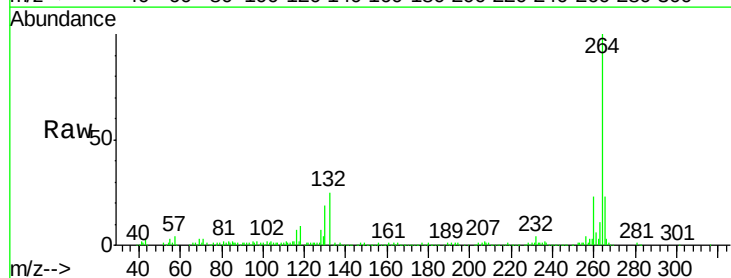
Instrument :
 BNA_F
 ClientSampleId :

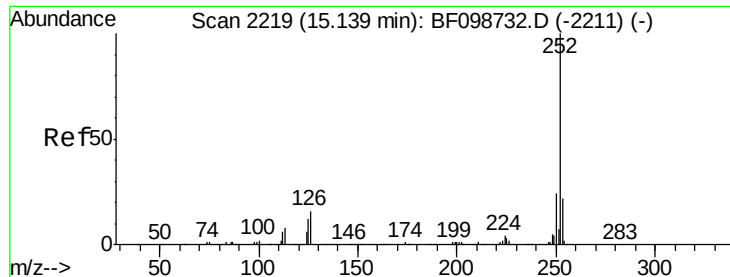
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	25.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.6	17.5	26.3

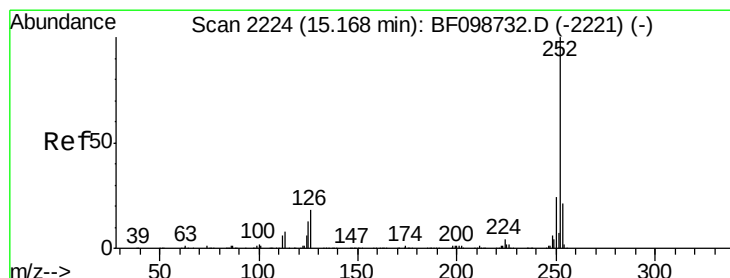
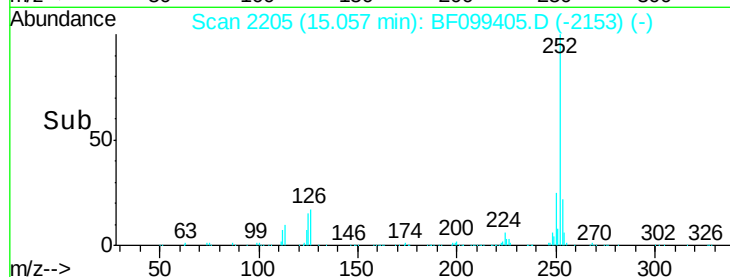
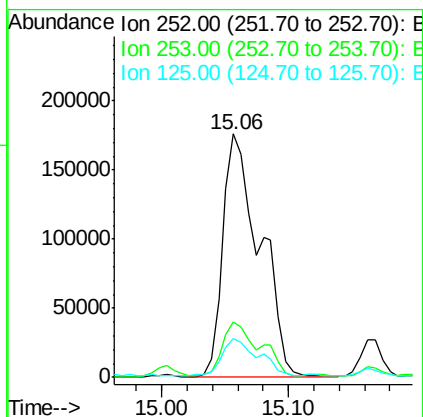
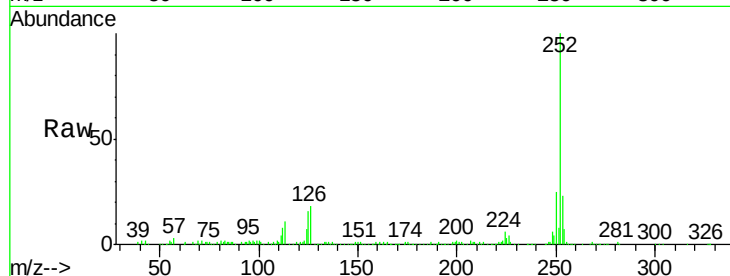




#87
Benzo(b)fluoranthene
Concen: 29.13 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

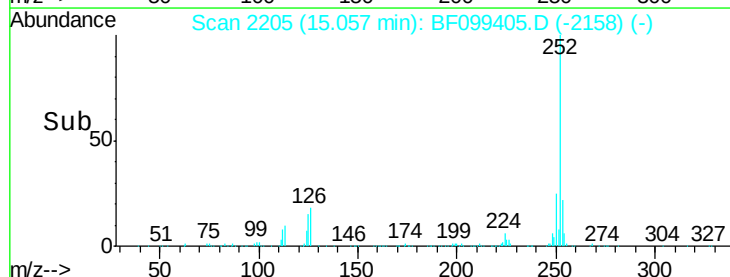
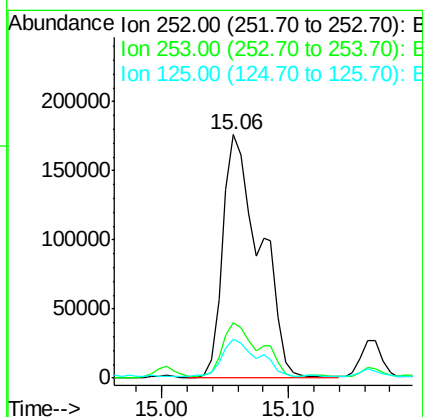
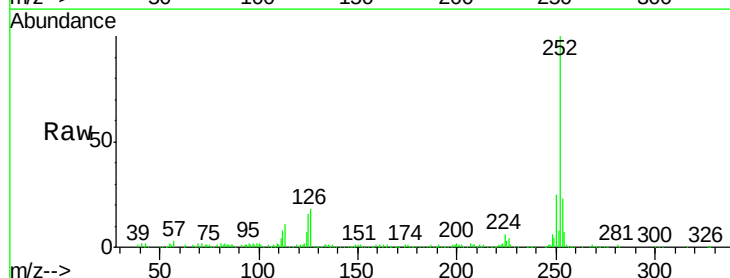
Instrument :
BNA_F
ClientSampleId :

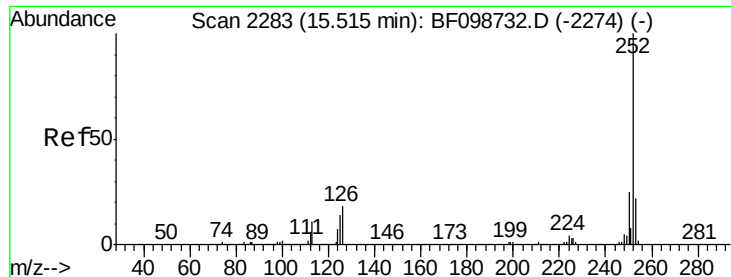
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 29.49 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	15.7	10.2	15.2

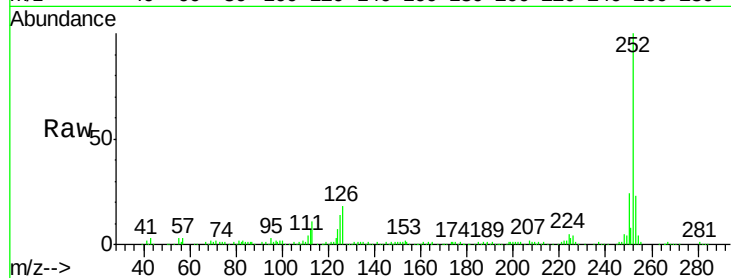




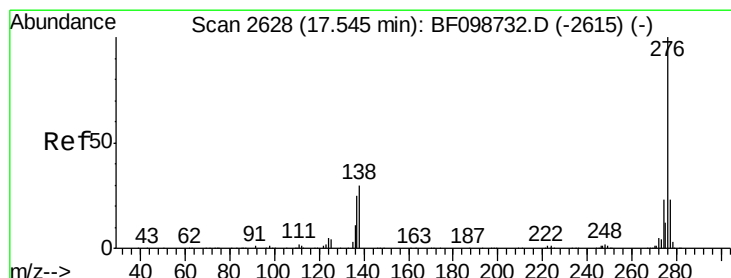
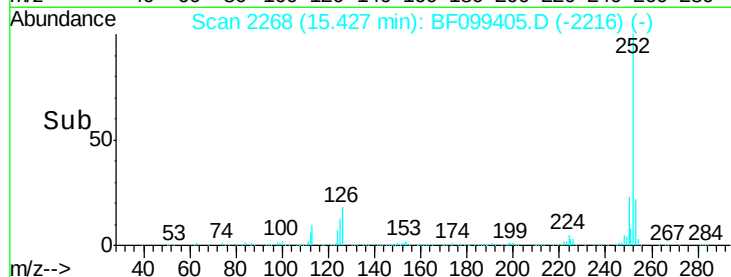
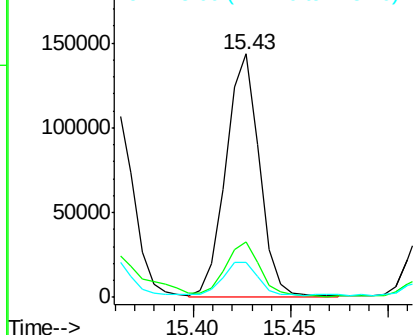
#89
Benzo(a)pyrene
Concen: 15.10 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 170019
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 14.4 9.8 14.6

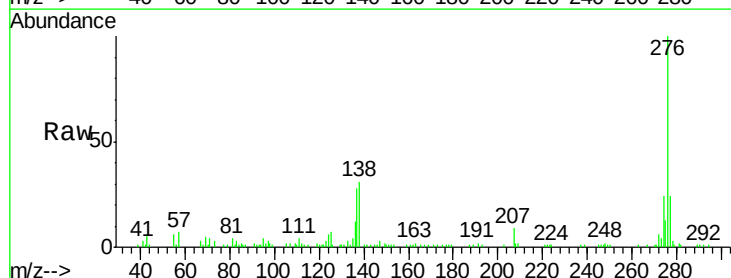


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 10.21 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion:276 Resp: 90931
Ion Ratio Lower Upper
276 100
277 24.3 17.9 26.9
138 30.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

