

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099717.D
 Acq On : 21 Oct 2017 00:40
 Operator : SJ/JU
 Sample : I5984-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:28:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	99932	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	392136	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	152293	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	214230	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	195086	20.00	ng	0.00
86) Perylene-d12	15.44	264	186915	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	465892	74.22	ng	0.00
7) Phenol-d6	6.45	99	580712	74.99	ng	-0.01
23) Nitrobenzene-d5	7.38	82	354716	58.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	81093	65.07	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	675724	74.07	ng	0.00
78) Terphenyl-d14	12.92	244	442039	51.53	ng	0.00

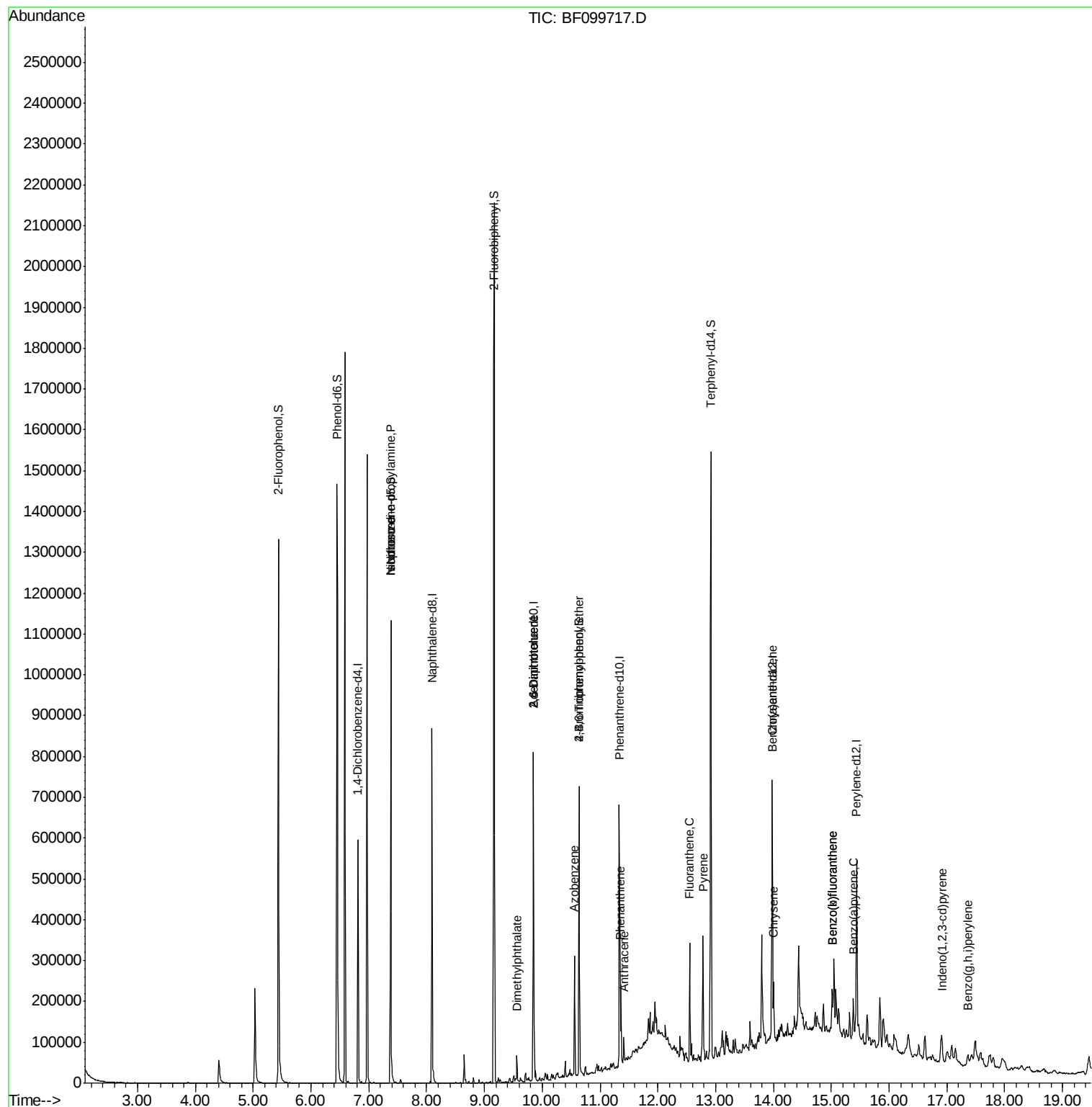
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	44427	8.986	ng	# 71
25) Isophorone	7.38	82	354716	28.058	ng	# 64
49) Dimethylphthalate	9.56	163	23419	2.037	ng	# 98
50) 2,6-Dinitrotoluene	9.85	165	20123	8.042	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	20123	6.196	ng	# 22
62) Azobenzene	10.56	77	44564	4.315	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	5231	2.495	ng	# 1
70) Phenanthrene	11.36	178	71192	6.208	ng	99
71) Anthracene	11.41	178	26537	2.262	ng	99
74) Fluoranthene	12.55	202	99321	8.553	ng	98
77) Pyrene	12.78	202	112228	7.544	ng	97
80) Benzo(a)anthracene	13.97	228	56099	4.749	ng	98
82) Chrysene	14.00	228	48541	4.316	ng	96
85) Indeno(1,2,3-cd)pyrene	16.91	276	19849	2.206	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	70423	6.128	ng	# 93
88) Benzo(k)fluoranthene	15.02	252	70423	6.204	ng	# 95
89) Benzo(a)pyrene	15.38	252	41436	3.928	ng	# 94
91) Benzo(g,h,i)perylene	17.36	276	18442	2.210	ng	# 90

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

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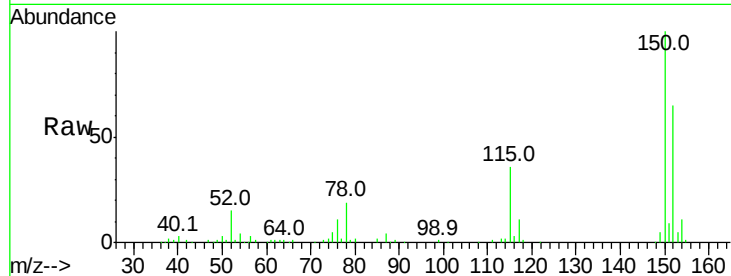


#1

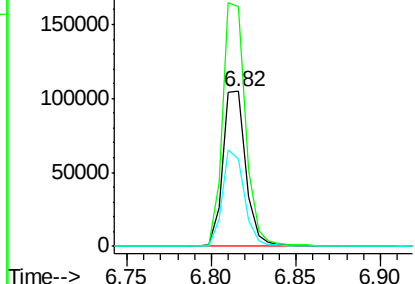
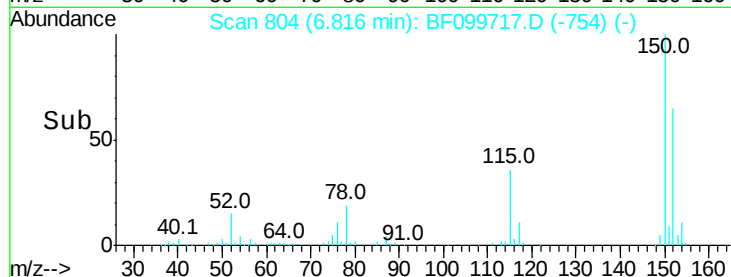
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99932
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 56.2 50.1 75.1



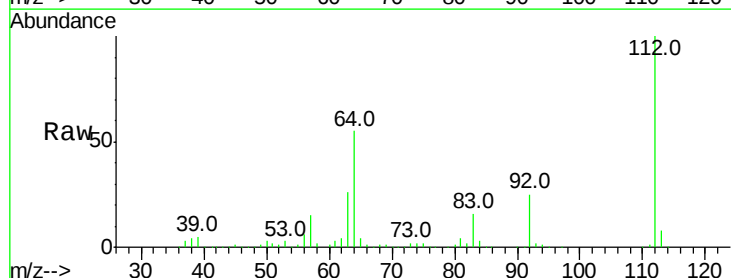
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



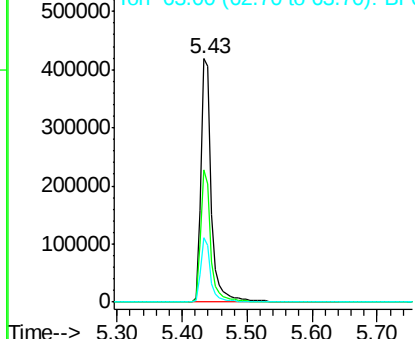
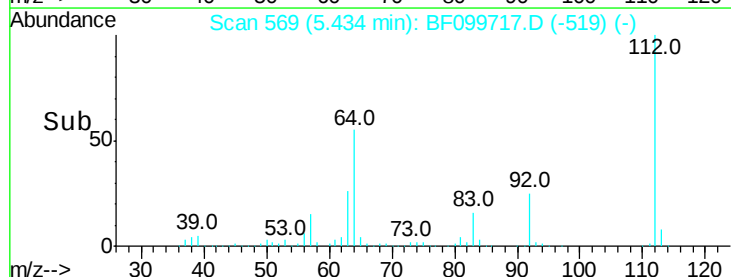
#5

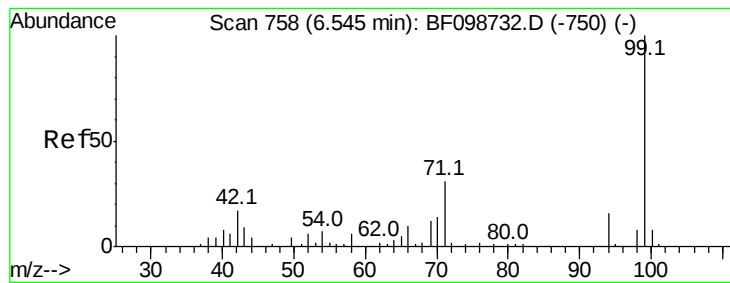
2-Fluorophenol
Concen: 74.216 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:112 Resp: 465892
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 26.2 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: 74.988 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

ClientSampleId :

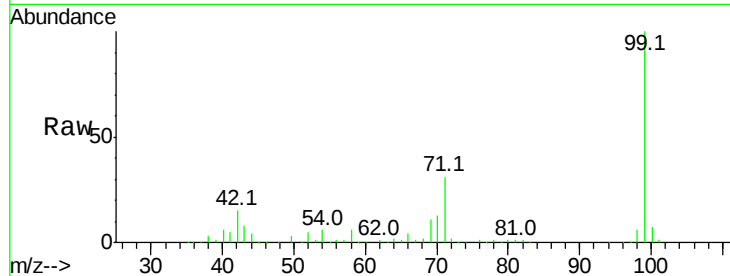
Tot Ion: 99 Resp: 580712

Ion Ratio Lower Upper

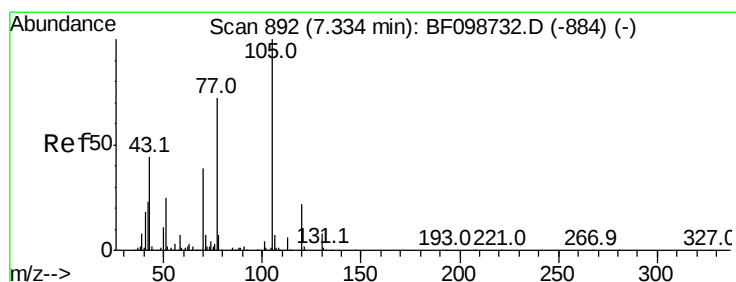
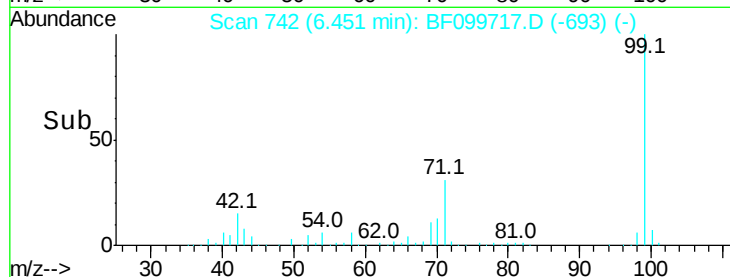
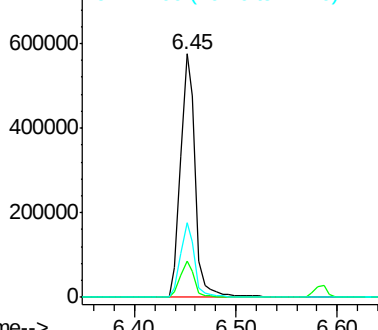
99 100

42 15.0 14.5 21.7

71 30.5 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: 8.986 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Tgt Ion: 70 Resp: 44427

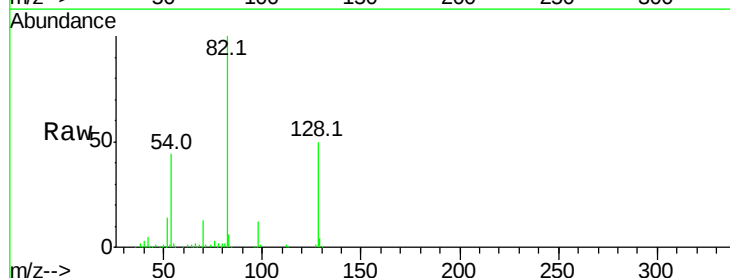
Ion Ratio Lower Upper

70 100

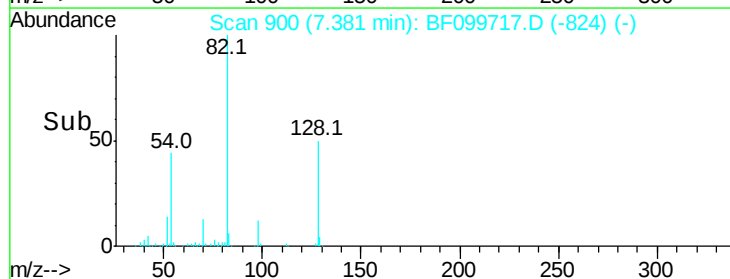
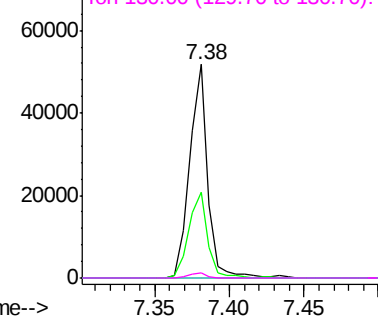
42 40.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 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

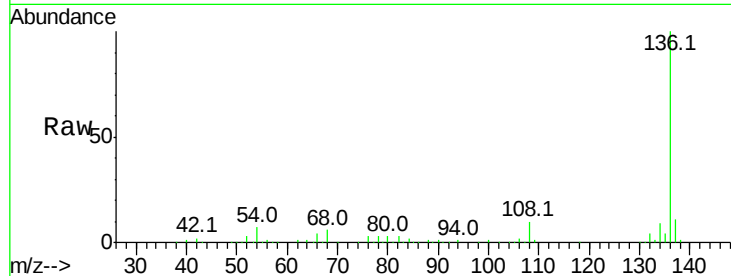




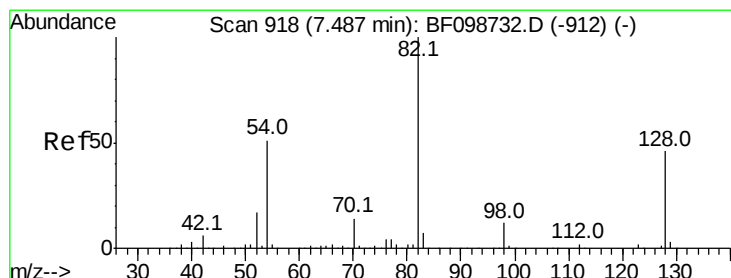
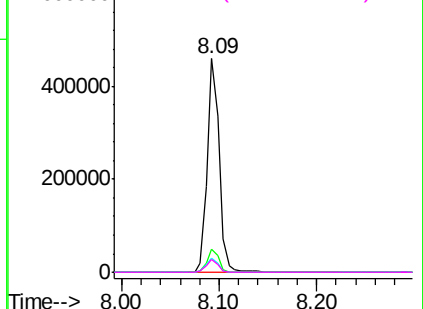
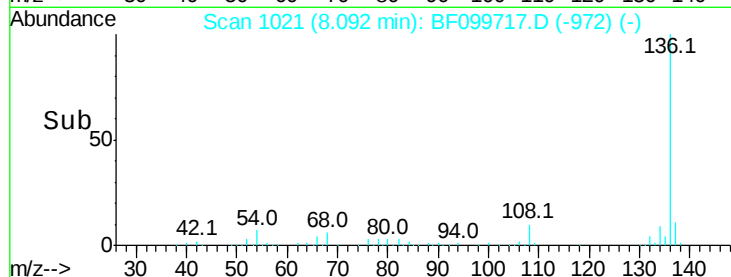
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	392136
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	5.8	5.0	7.4

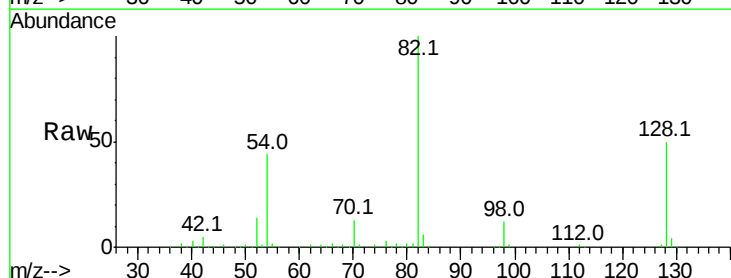


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

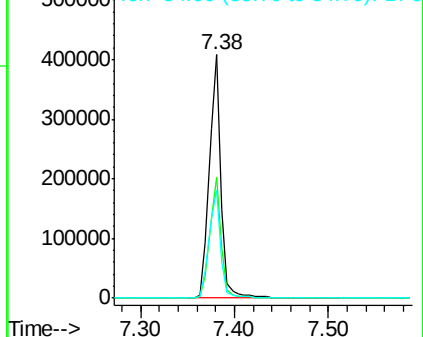
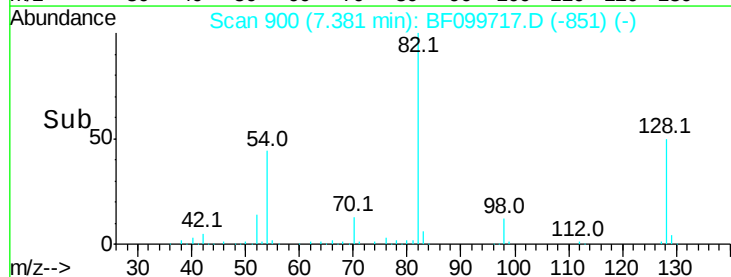


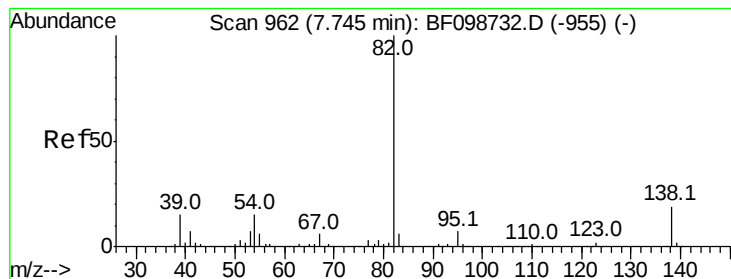
#23
Nitrobenzene-d5
Concen: 58.010 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:	82	Resp:	354716
Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	44.2	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: 28.058 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

ClientSampleId :

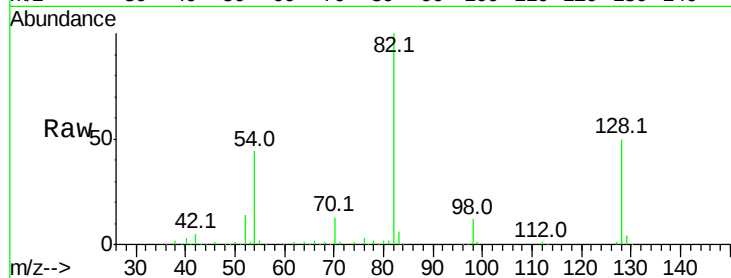
Tot Ion: 82 Resp: 354716

Ion Ratio Lower Upper

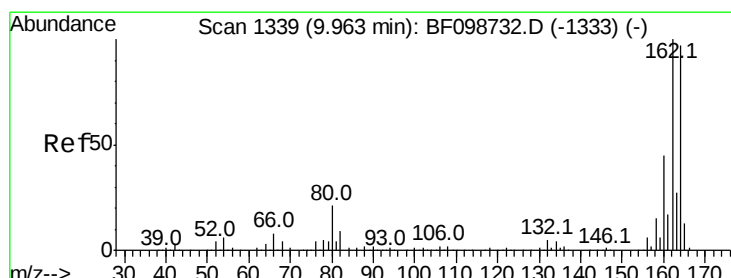
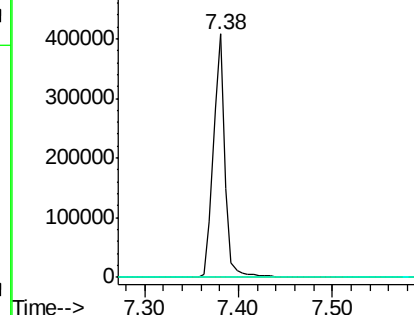
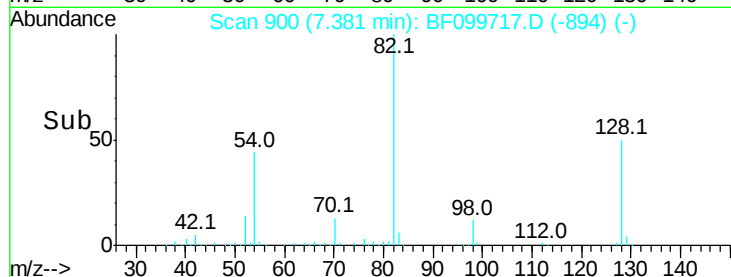
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

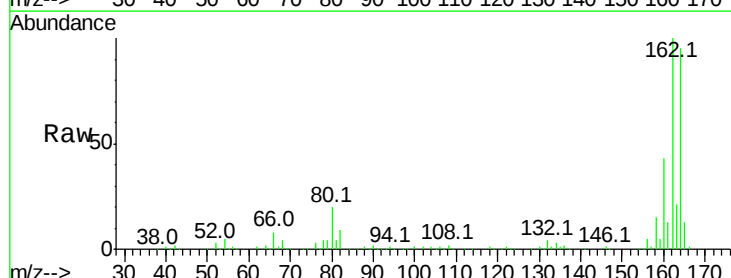
Tgt Ion:164 Resp: 152293

Ion Ratio Lower Upper

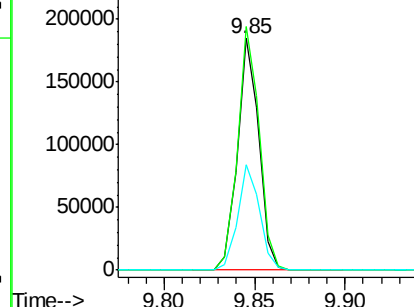
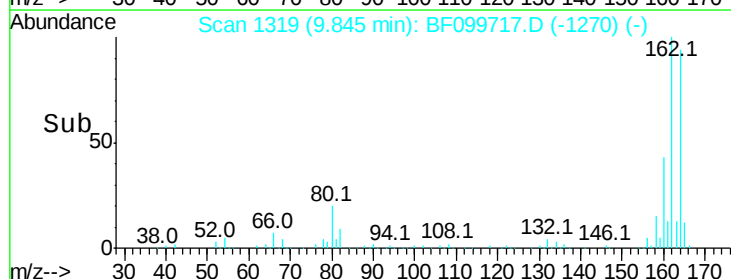
164 100

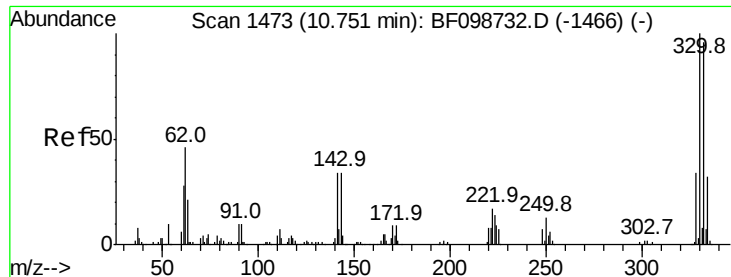
162 104.9 86.1 129.1

160 45.4 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

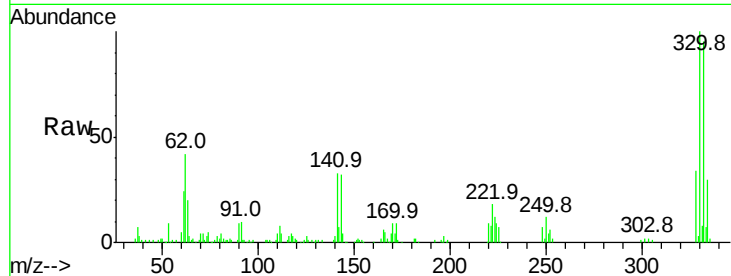




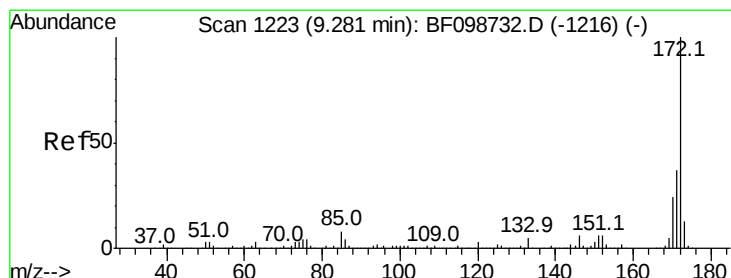
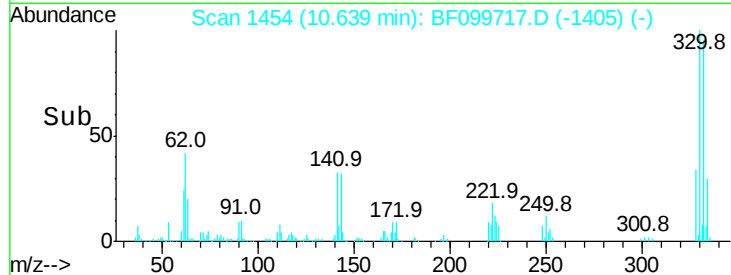
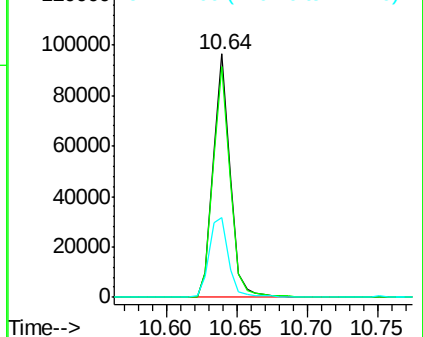
#41
 2,4,6-Tribromophenol
 Concen: 65.074 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 81093
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 38.2 29.9 44.9

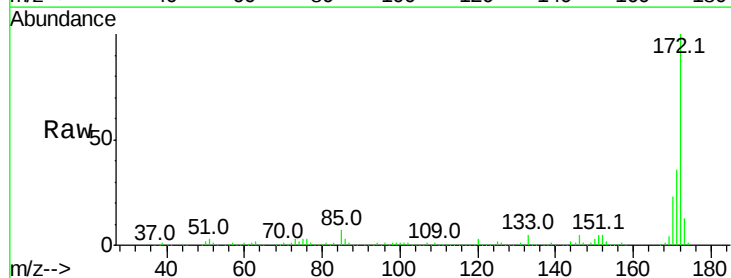


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

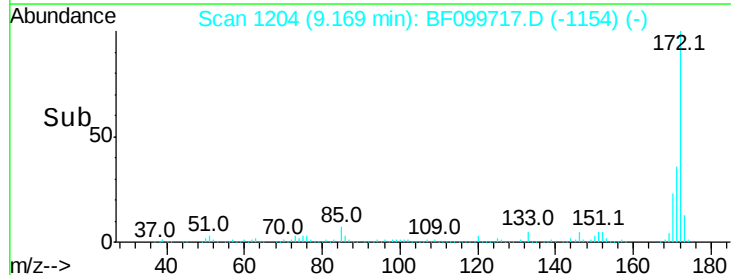
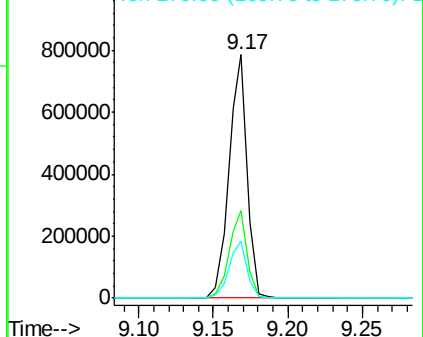


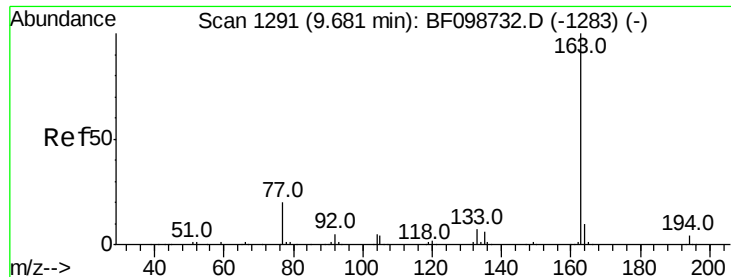
#44
 2-Fluorobiphenyl
 Concen: 74.072 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099717.D
 Acq: 21 Oct 2017 00:40

Tgt Ion:172 Resp: 675724
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.5 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

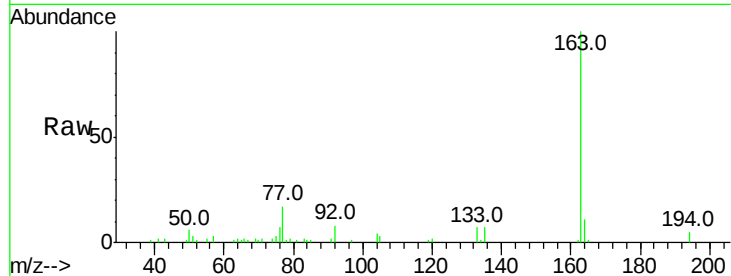




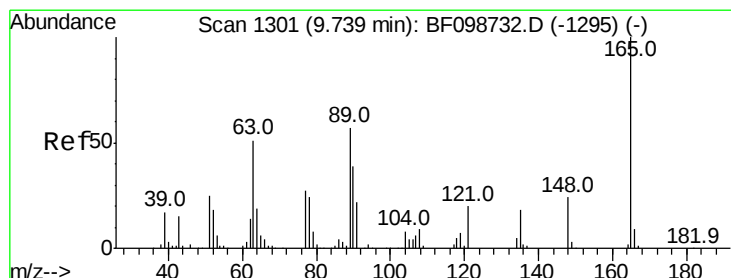
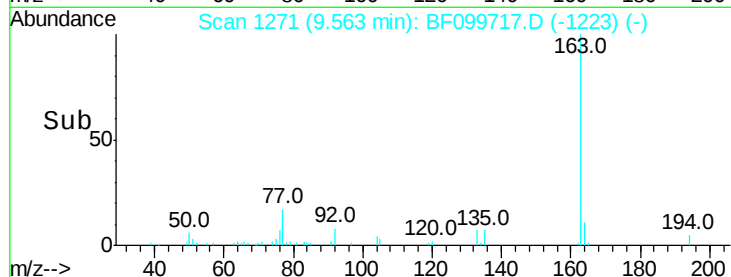
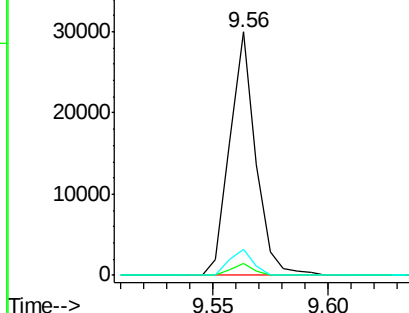
#49
Dimethylphthalate
Concen: 2.037 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 23419
Ion Ratio Lower Upper
163 100
194 4.9 2.7 4.1#
164 10.6 8.2 12.2

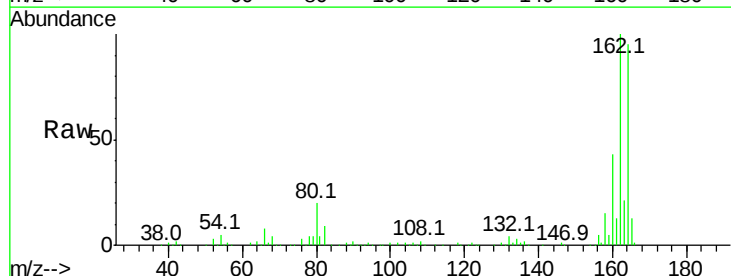


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

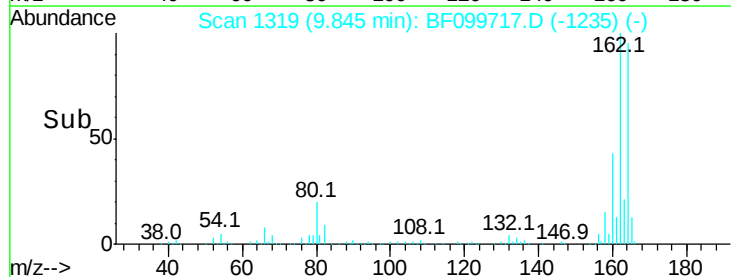
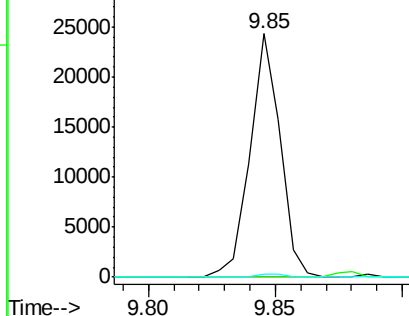


#50
2,6-Dinitrotoluene
Concen: 8.042 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:165 Resp: 20123
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.3 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

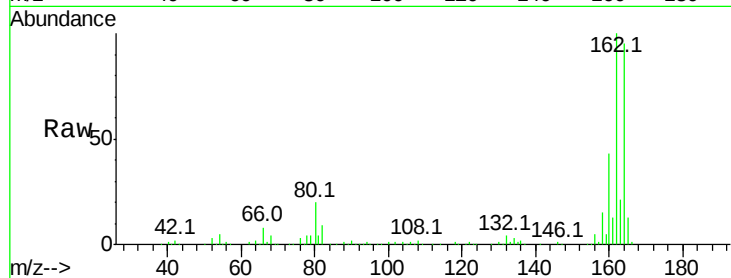




#56
2,4-Dinitrotoluene
Concen: 6.196 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	20123
Ion Ratio	Lower	Upper
165 100		
63 0.0	36.4	54.6#
89 1.3	57.8	86.6#
182 0.0	1.6	2.4#

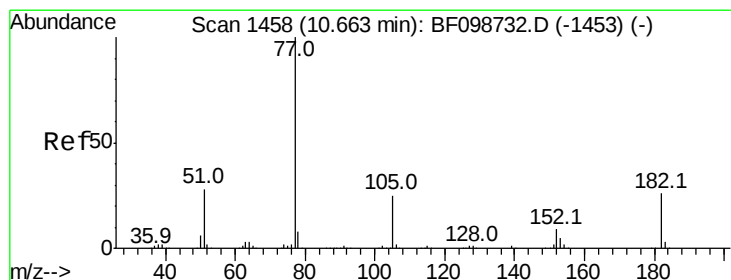
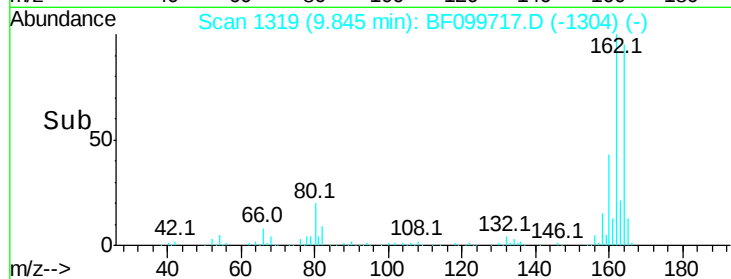
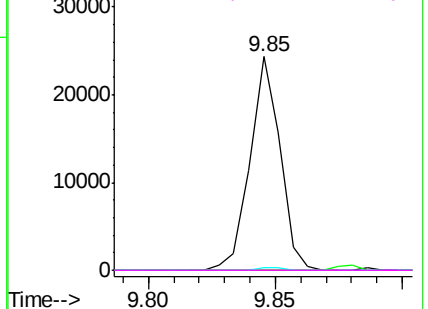


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#62
Azobenzene
Concen: 4.315 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

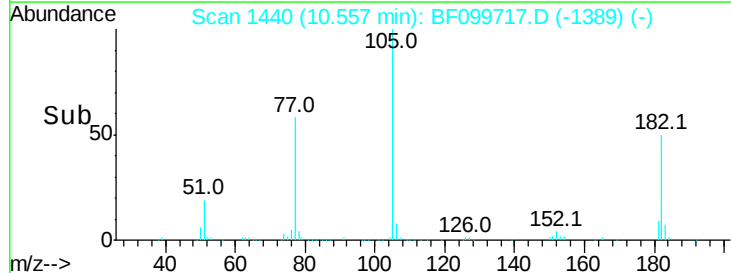
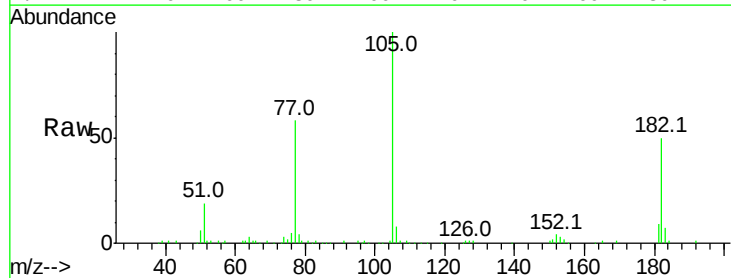
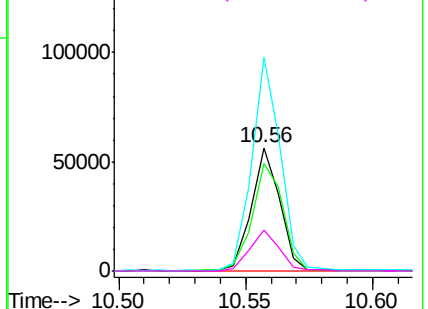
Tgt Ion: 77	Resp:	44564
Ion Ratio	Lower	Upper
77 100		
182 86.8	1.7	41.7#
105 173.1	3.0	43.0#
51 33.6	9.9	49.9

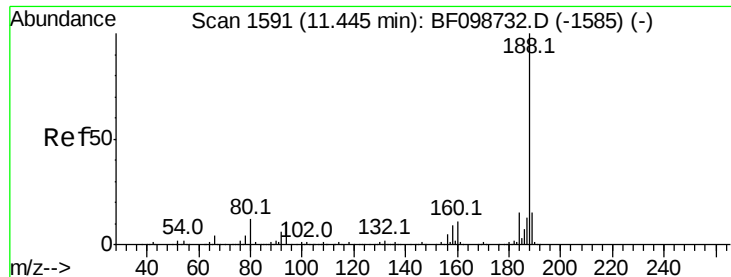
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

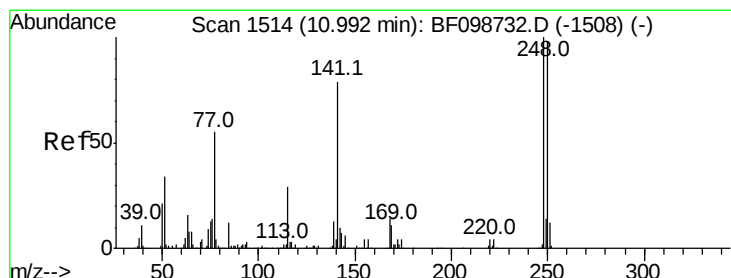
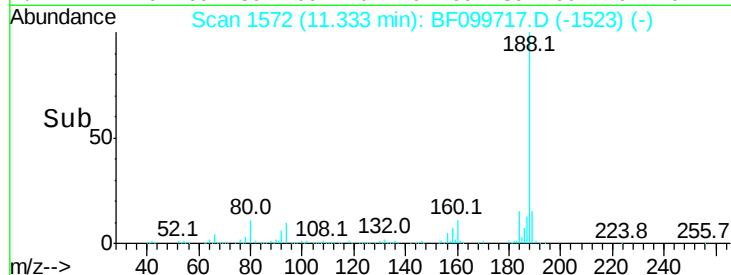
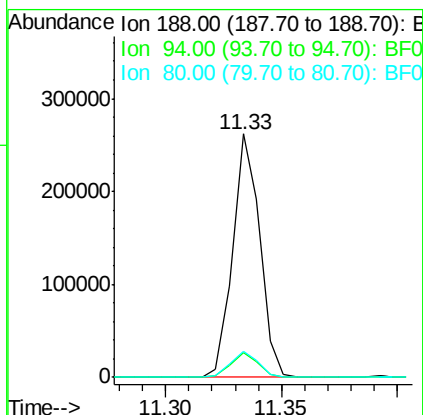
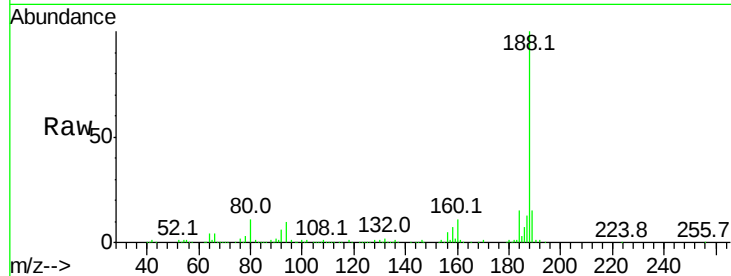




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

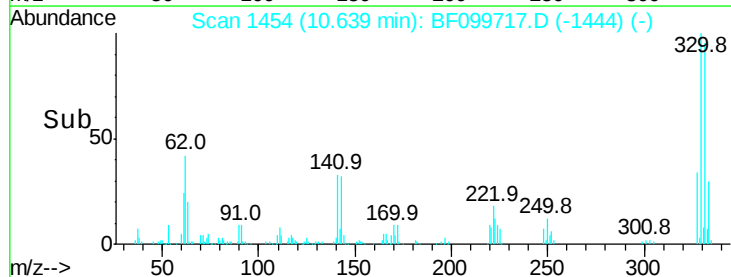
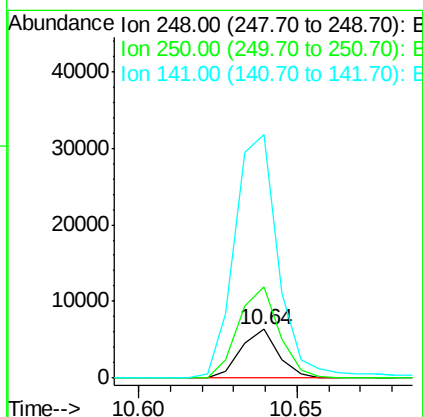
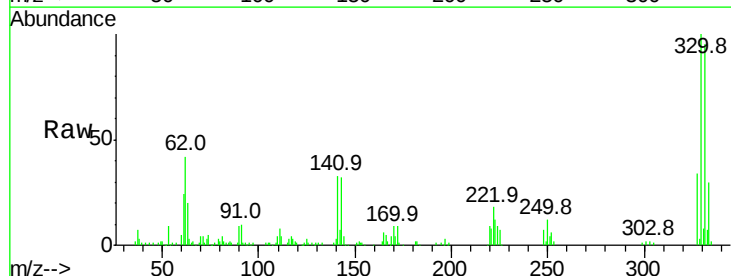
Instrument :
BNA_F
ClientSampleId :

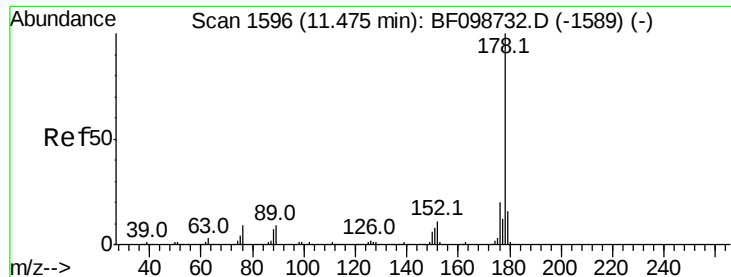
Tot Ion:188 Resp: 214230
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.9 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.495 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:248 Resp: 5231
Ion Ratio Lower Upper
248 100
250 186.8 76.9 115.3#
141 501.4 74.4 111.6#





#70

Phenanthrene

Concen: 6.208 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

ClientSampleId :

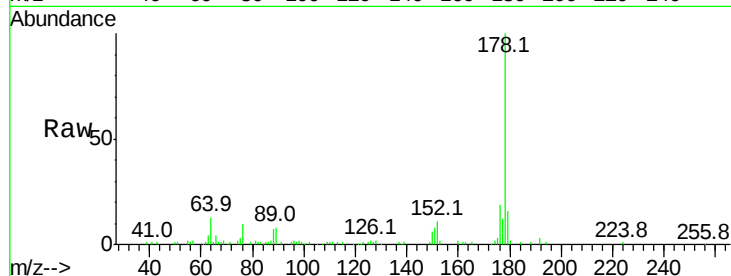
Tot Ion:178 Resp: 71192

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

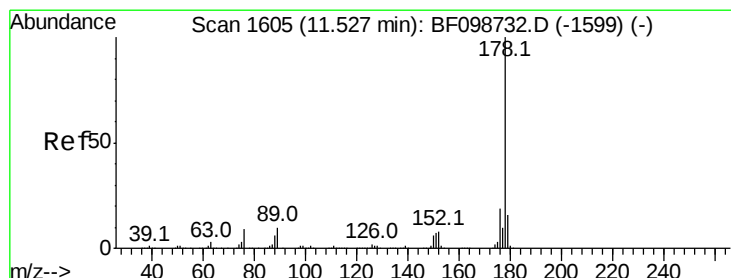
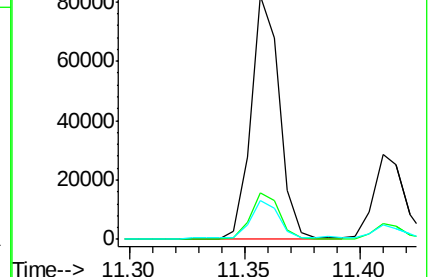
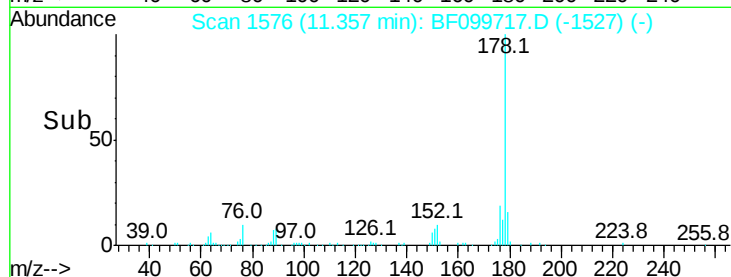
179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.262 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

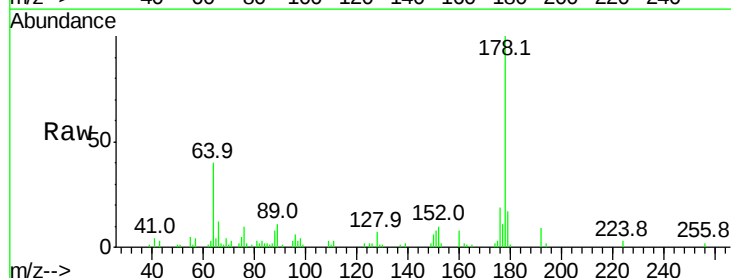
Tgt Ion:178 Resp: 26537

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

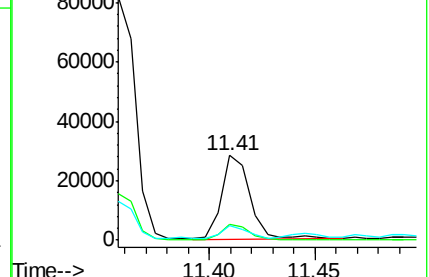
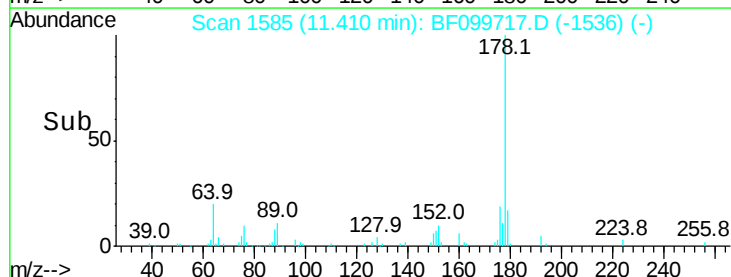
179 16.6 12.6 19.0

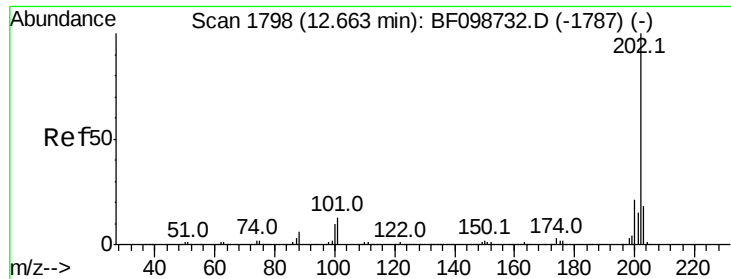


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.553 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

ClientSampleId :

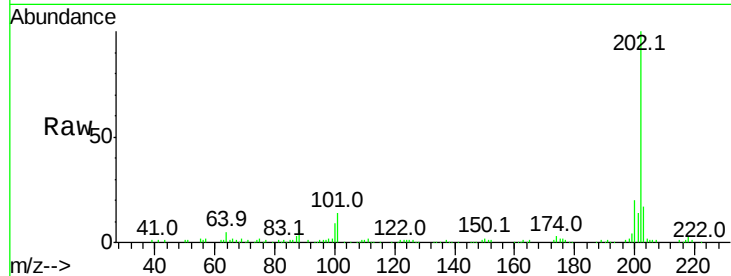
Tot Ion:202 Resp: 99321

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

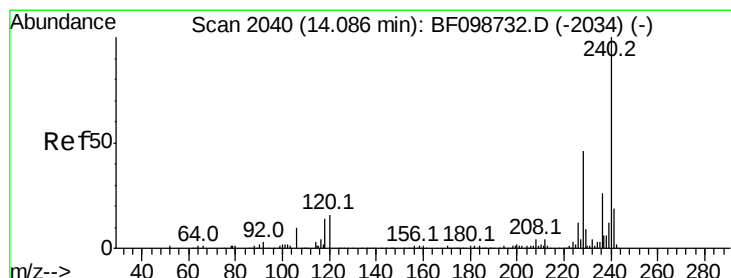
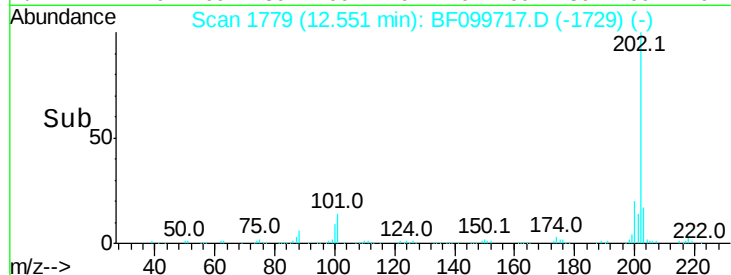
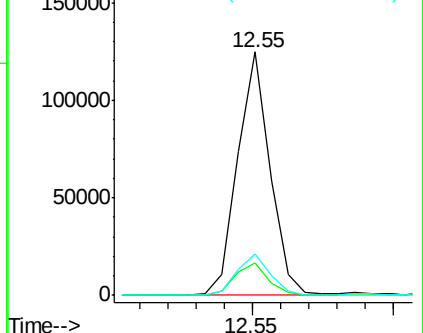
203 17.3 0.0 38.1



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: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

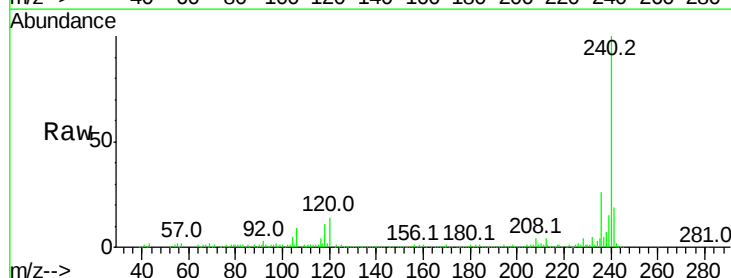
Tgt Ion:240 Resp: 195086

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

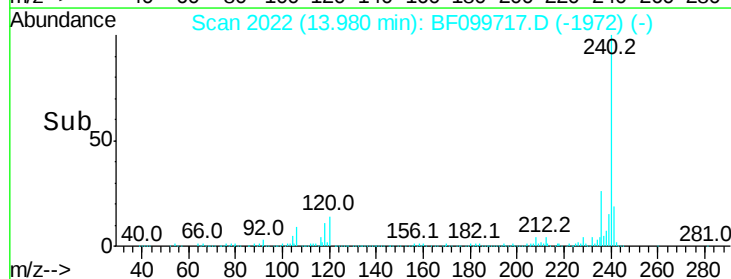
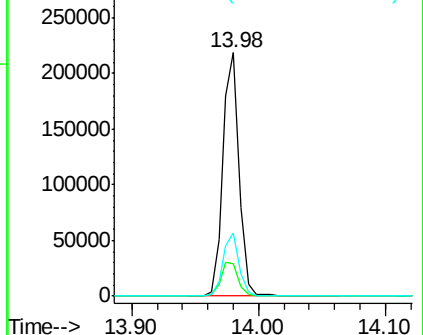
236 25.7 20.7 31.1

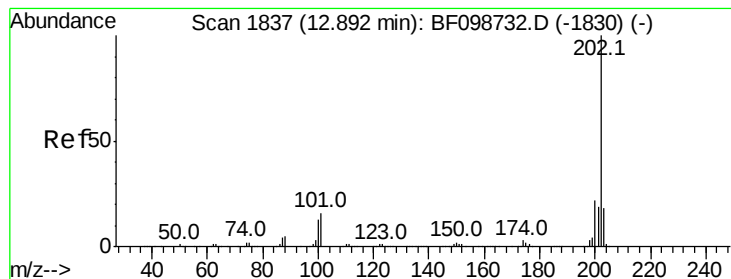


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.544 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

ClientSampleId :

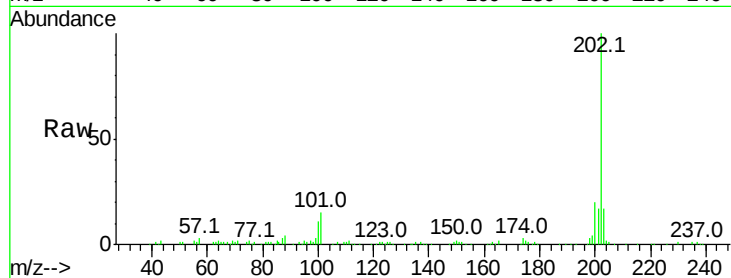
Tot Ion:202 Resp: 112228

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

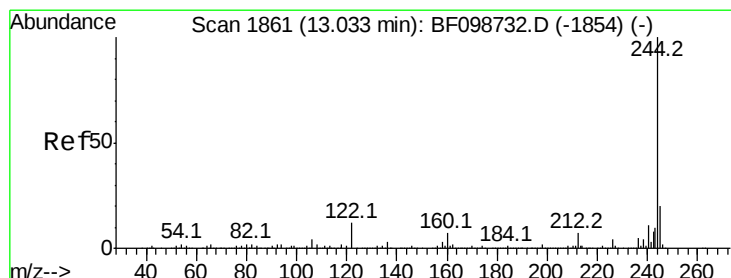
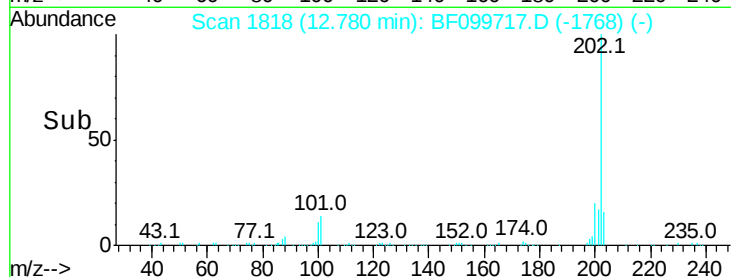
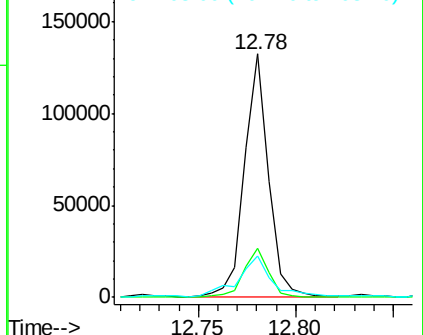
203 17.1 14.3 21.5



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: 51.530 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

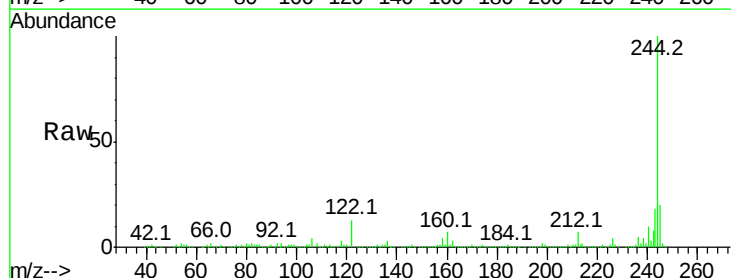
Tgt Ion:244 Resp: 442039

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

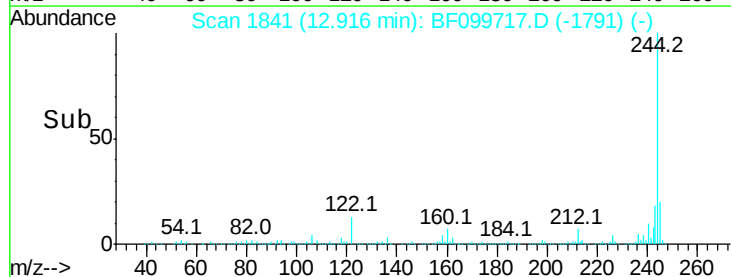
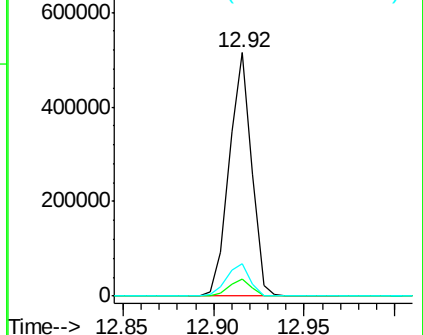
122 13.4 11.0 16.4

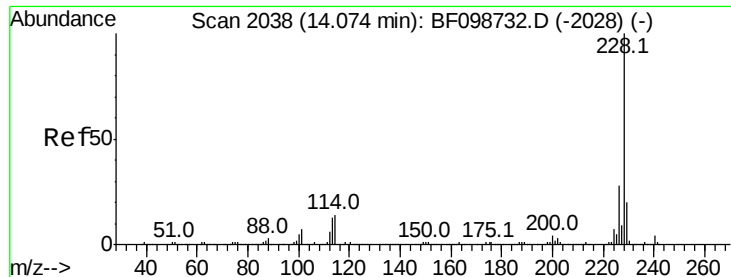


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

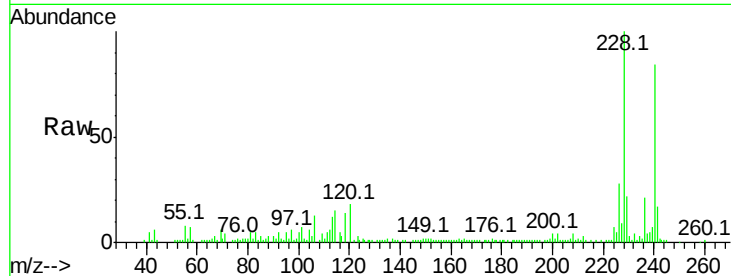




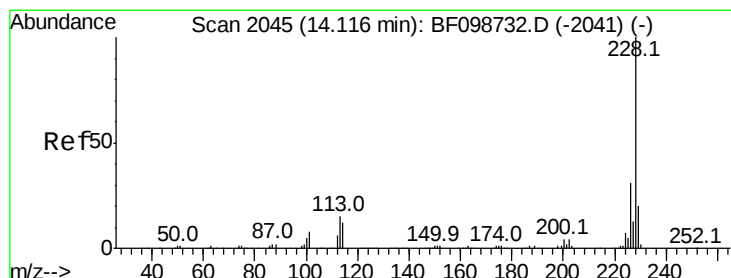
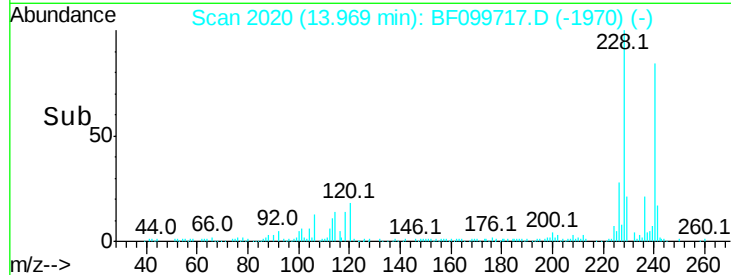
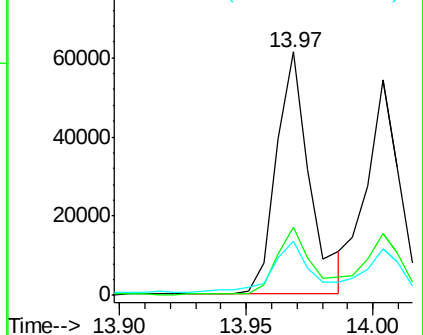
#80
Benzo(a)anthracene
Concen: 4.749 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 56099
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 22.3 15.8 23.6

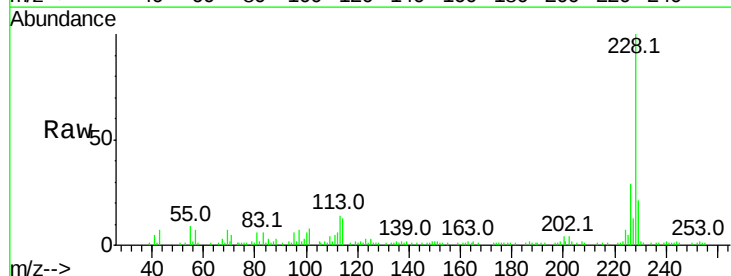


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

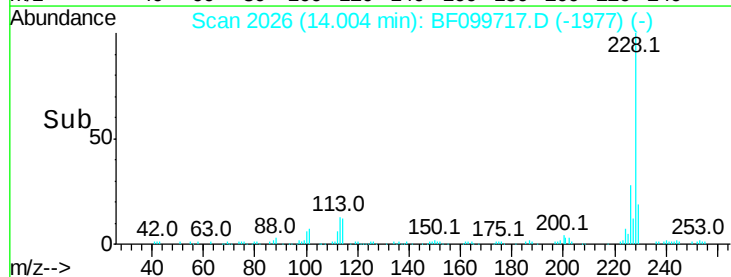
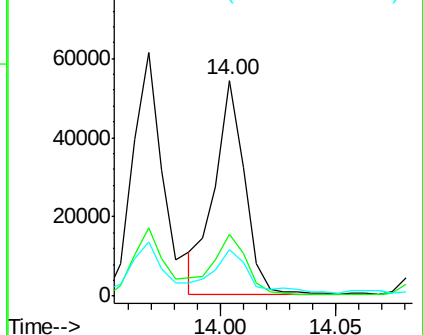


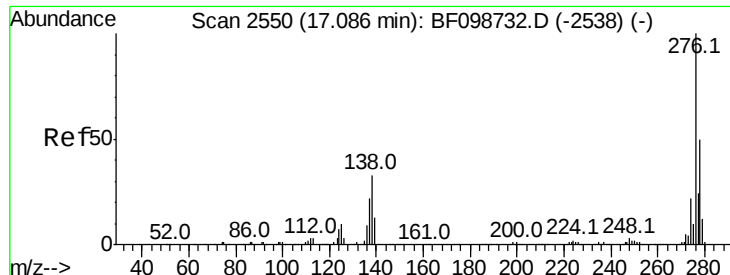
#82
Chrysene
Concen: 4.316 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:228 Resp: 48541
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 21.5 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

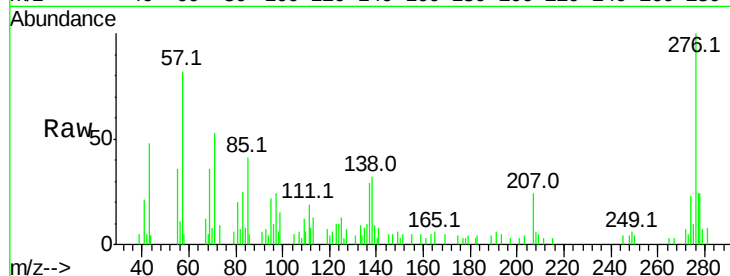




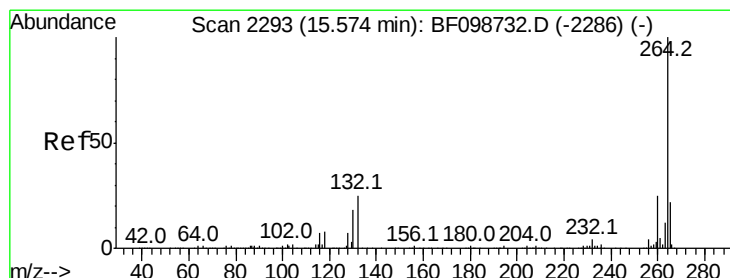
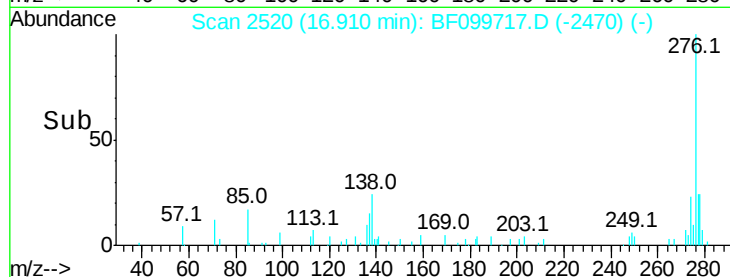
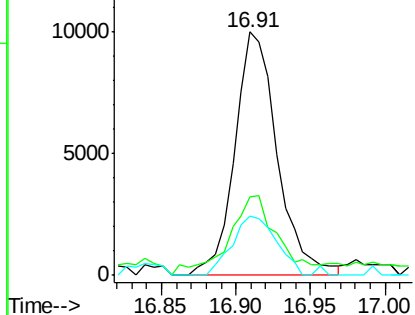
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.206 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 19849
Ion Ratio Lower Upper
276 100
138 38.0 25.0 37.6#
277 25.2 20.1 30.1

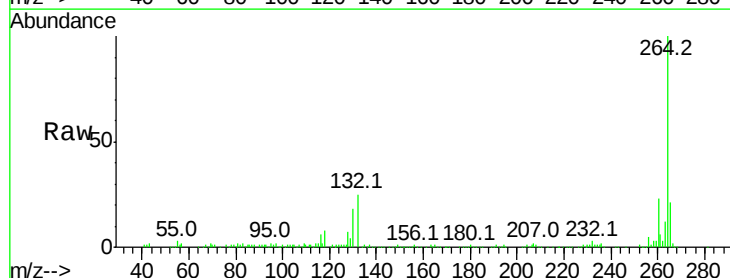


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

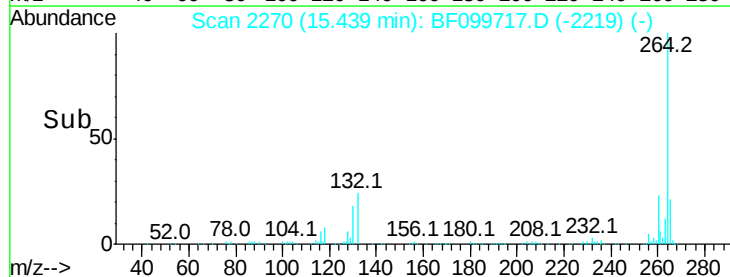
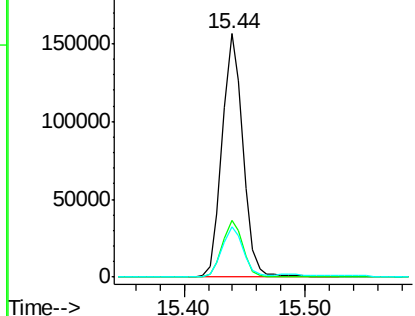


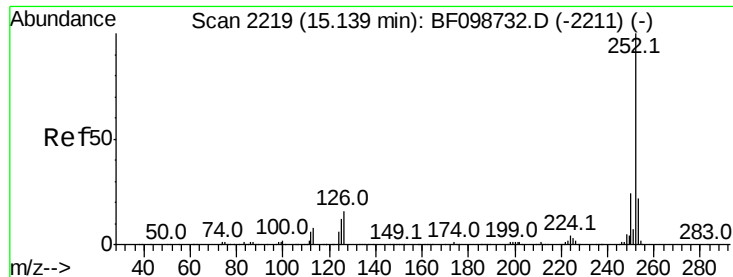
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:264 Resp: 186915
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 20.8 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: 6.128 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

Instrument :

BNA_F

ClientSampled :

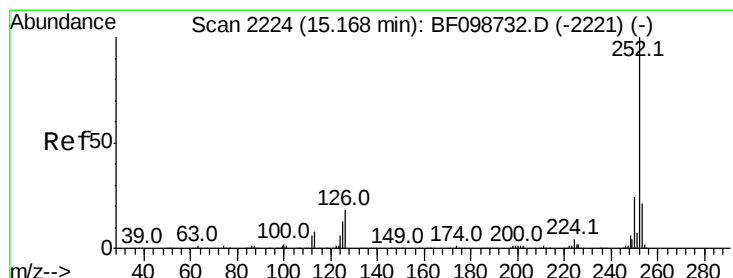
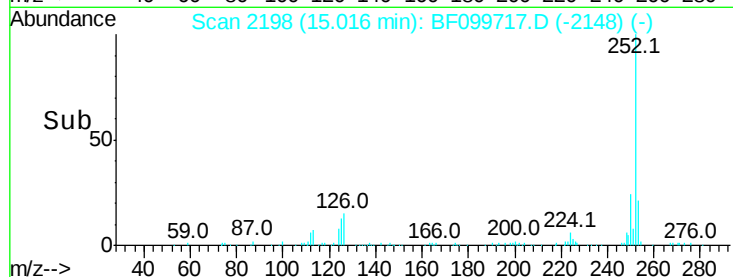
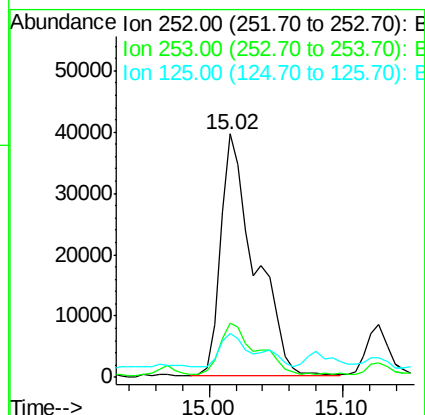
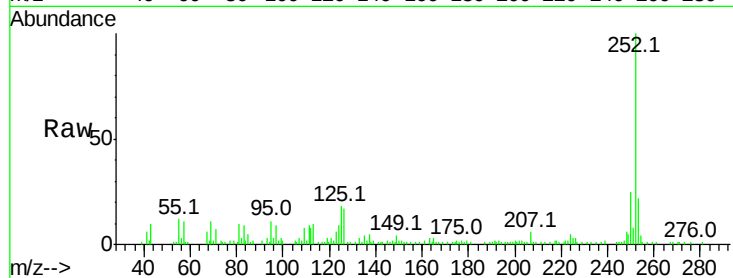
Tot Ion:252 Resp: 70423

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 18.0 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 6.204 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF099717.D

Acq: 21 Oct 2017 00:40

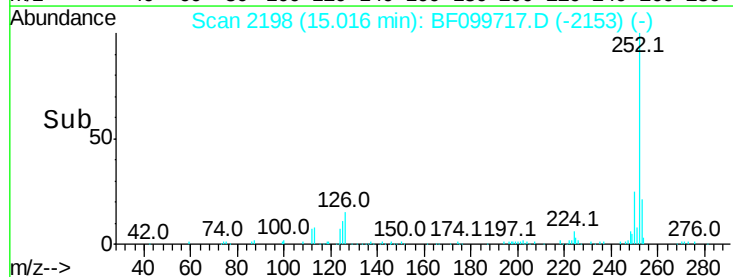
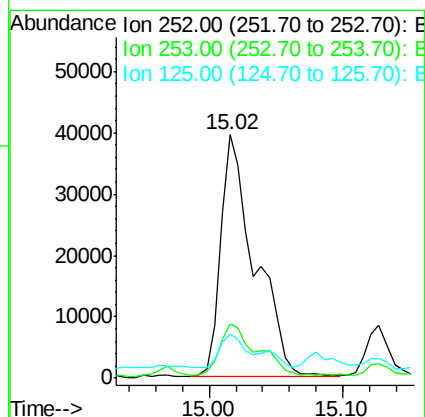
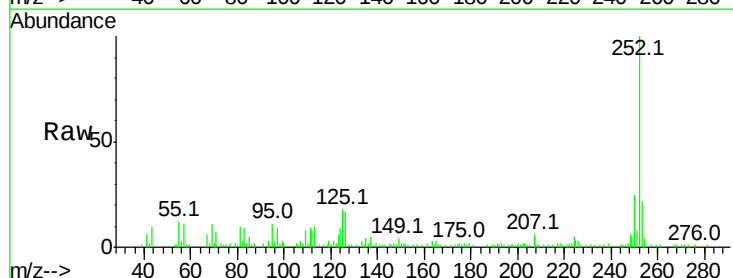
Tgt Ion:252 Resp: 70423

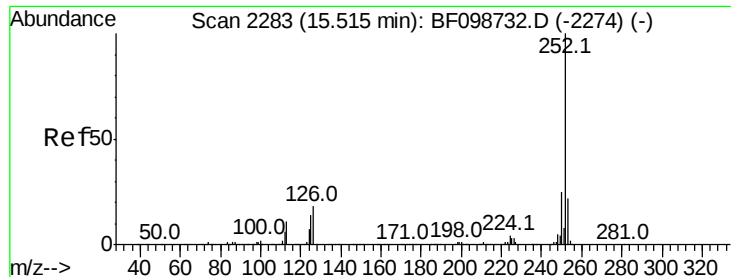
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 18.0 10.2 15.2#

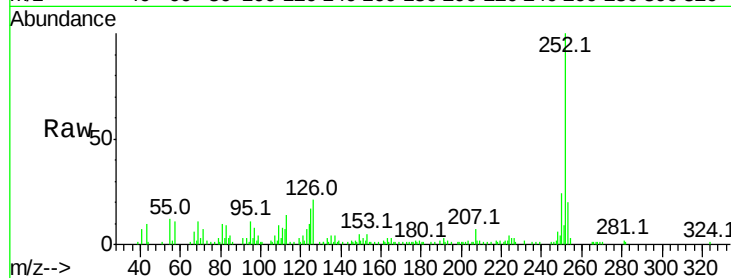




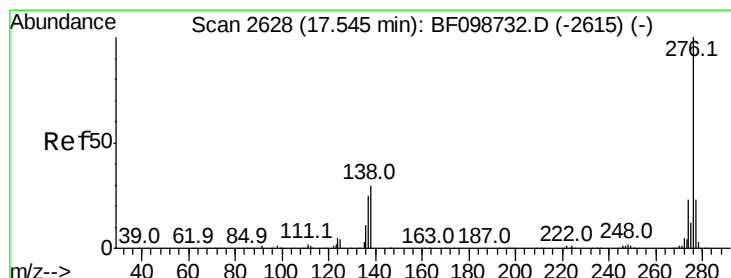
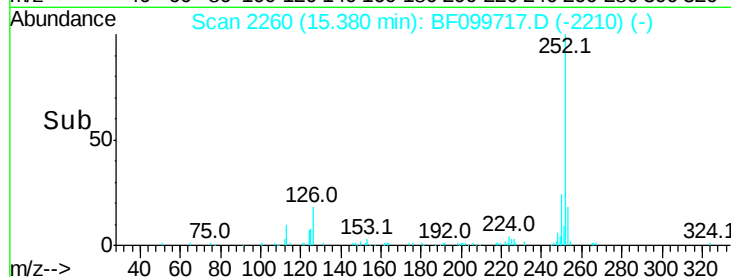
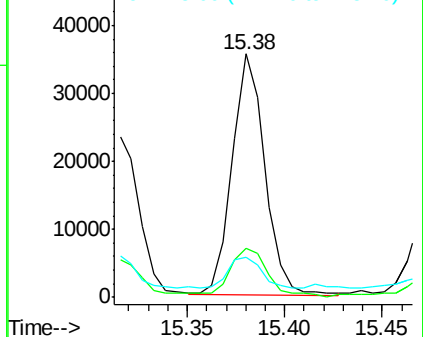
#89
Benzo(a)pyrene
Concen: 3.928 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41436
Ion Ratio Lower Upper
252 100
253 19.9 17.1 25.7
125 16.7 9.8 14.6#

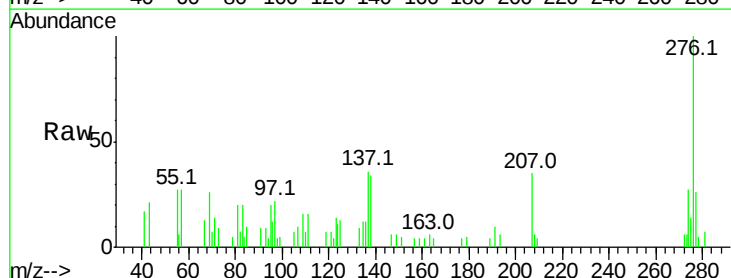


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.210 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.00 min
Lab File: BF099717.D
Acq: 21 Oct 2017 00:40

Tgt Ion:276 Resp: 18442
Ion Ratio Lower Upper
276 100
277 26.3 17.9 26.9
138 33.7 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

