

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
 Data File : BF085926.D
 Acq On : 31 Mar 2016 14:35
 Operator : UM/SJ
 Sample : H2075-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-10

Quant Time: Mar 31 21:44:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	111287	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	434975	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	194144	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	334310	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	214898	20.00	ng	-0.02
86) Perylene-d12	15.36	264	202187	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	772155	115.55	ng	-0.01
7) Phenol-d6	6.42	99	975030	114.76	ng	-0.02
23) Nitrobenzene-d5	7.36	82	641258	83.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	236868	128.41	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1007982	86.74	ng	-0.01
78) Terphenyl-d14	12.89	244	697624	66.76	ng	-0.01

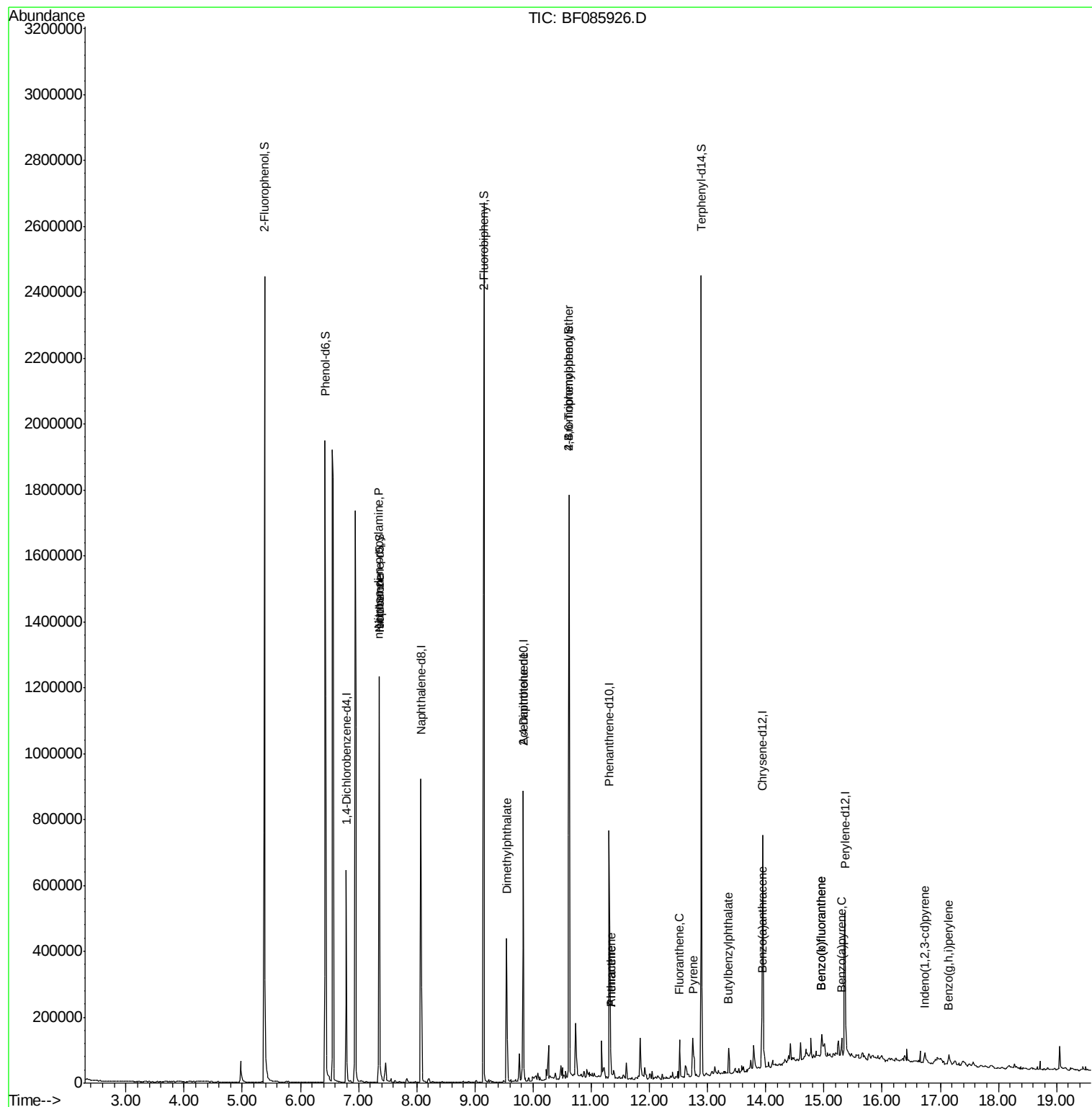
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	82580	16.23	ng	# 81
25) Isophorone	7.36	82	629747	42.32	ng	# 68
37) 2-Methylnaphthalene	8.89	142	1245	Below	Cal	97
49) Dimethylphthalate	9.54	163	175930	11.94	ng	99
56) 2,4-Dinitrotoluene	9.83	165	24940	6.19	ng	# 37
66) 4-Bromophenyl-phenylether	10.62	248	15601	4.56	ng	# 1
70) Phenanthrene	11.34	178	47534	2.77	ng	98
71) Anthracene	11.34	178	47534	2.64	ng	98
74) Fluoranthene	12.52	202	60218	3.30	ng	99
77) Pyrene	12.74	202	55895	3.16	ng	99
79) Butylbenzylphthalate	13.36	149	20972	2.83	ng	# 65
80) Benzo(a)anthracene	13.93	228	24794	2.02	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	19512	2.05	ng	# 90
87) Benzo(b)fluoranthene	14.96	252	41321	3.24	ng	95
88) Benzo(k)fluoranthene	14.96	252	41321	3.60	ng	# 93
89) Benzo(a)pyrene	15.31	252	22711	2.01	ng	97
91) Benzo(g,h,i)perylene	17.15	276	27477	2.58	ng	98

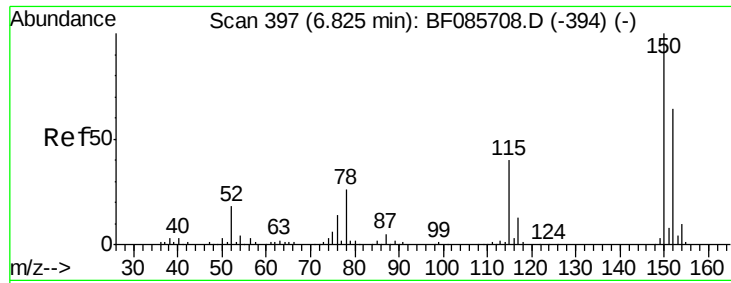
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

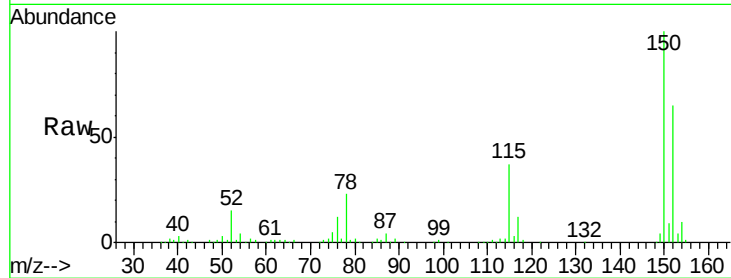
Tgt Ion:152 Resp: 111287

Ion Ratio Lower Upper

152 100

150 153.0 124.2 186.2

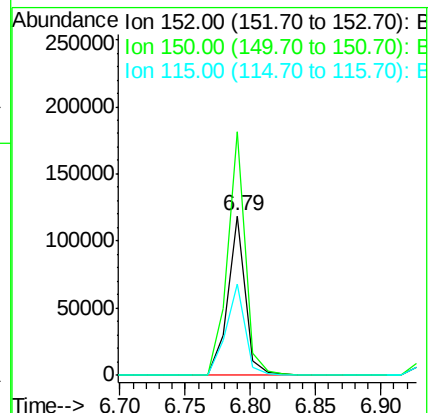
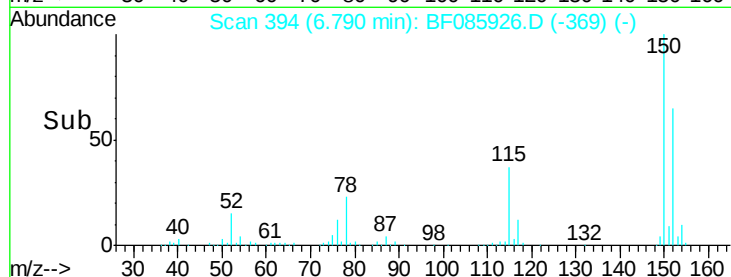
115 57.0 47.0 70.6



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: 115.55 ng

RT: 5.38 min Scan# 271

Delta R.T. -0.01 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

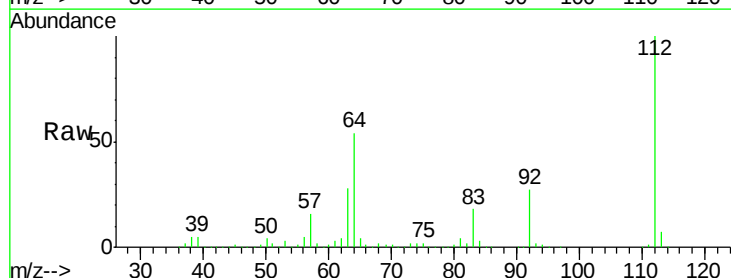
Tgt Ion:112 Resp: 772155

Ion Ratio Lower Upper

112 100

64 54.2 39.9 59.9

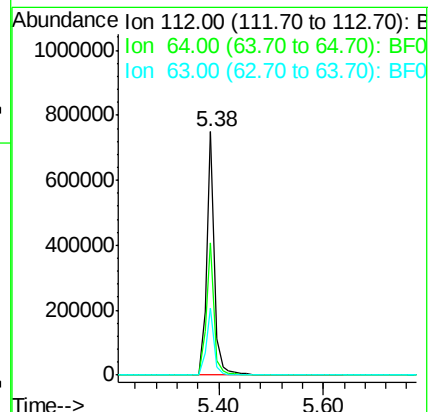
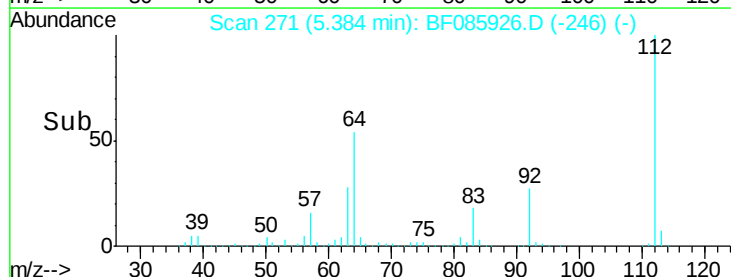
63 27.5 20.2 30.2



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: 114.76 ng

RT: 6.42 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

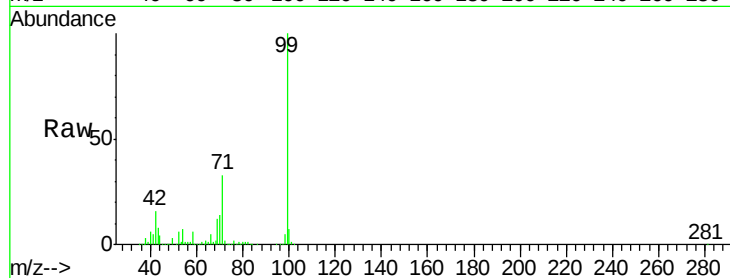
Tgt Ion: 99 Resp: 975030

Ion Ratio Lower Upper

99 100

42 16.1 11.1 16.7

71 33.4 24.9 37.3



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

6.42

800000

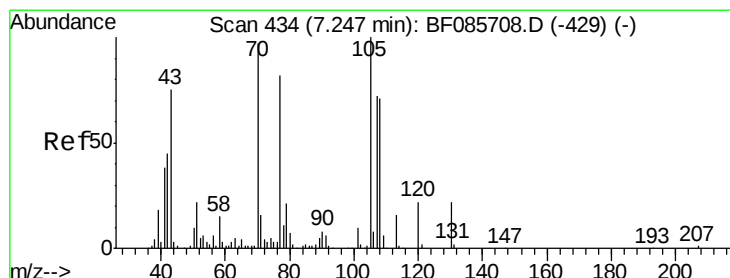
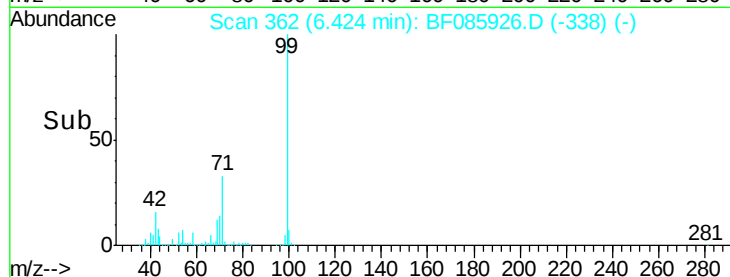
600000

400000

200000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 16.23 ng

RT: 7.35 min Scan# 443

Delta R.T. 0.13 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Tgt Ion: 70 Resp: 82580

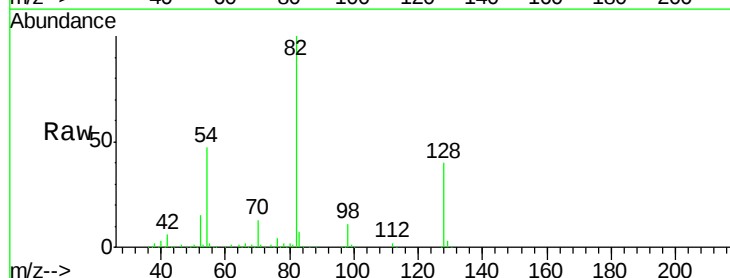
Ion Ratio Lower Upper

70 100

42 44.1 37.1 55.7

101 0.0 8.6 12.8#

130 2.1 19.6 29.4#



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

7.35

80000

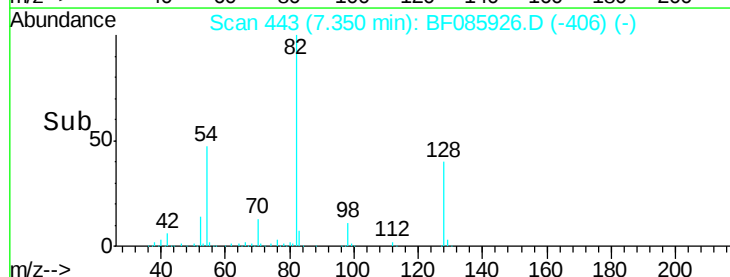
60000

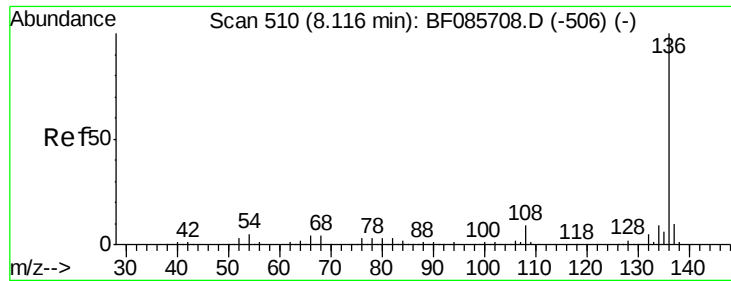
40000

20000

0

Time-->

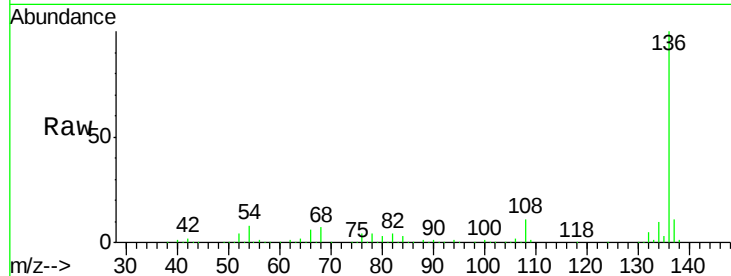




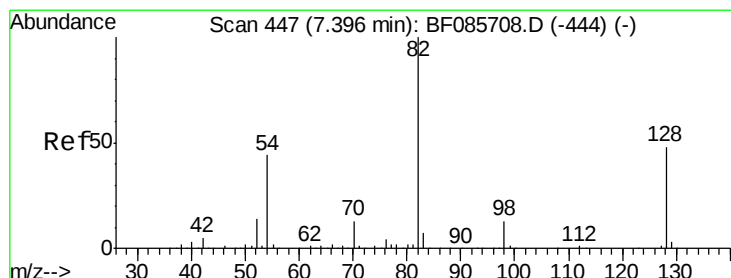
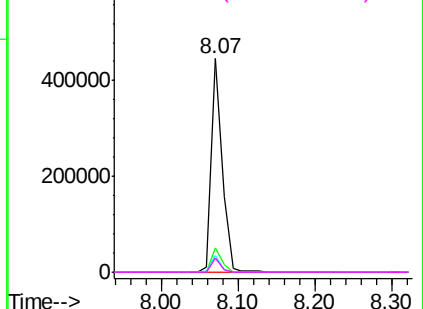
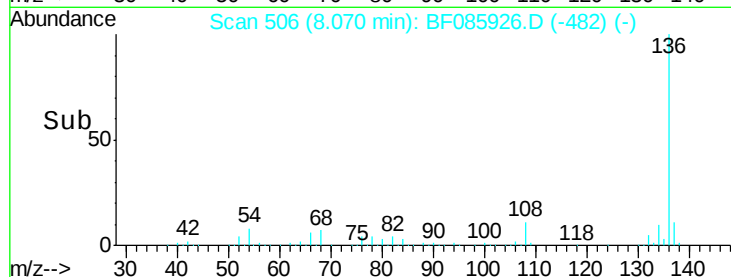
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:	136	Resp:	434975
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.1	7.4	11.0
68	6.5	5.8	8.8

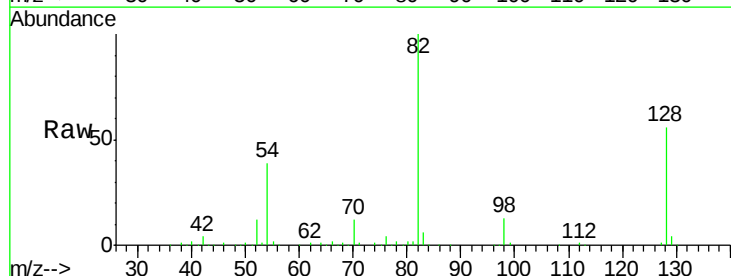


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

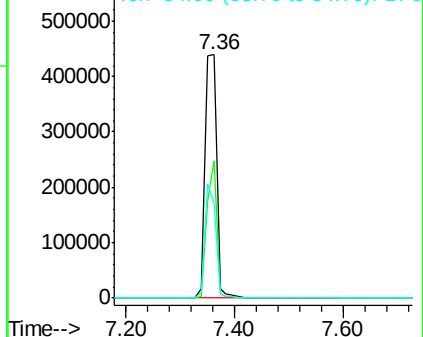
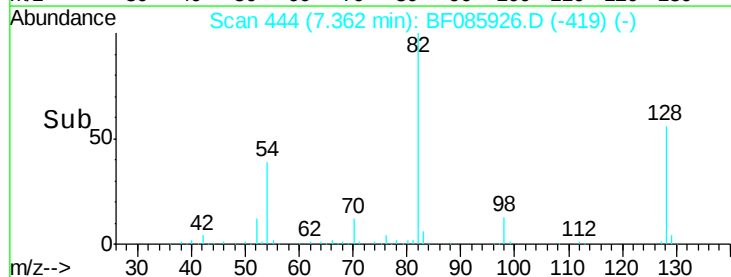


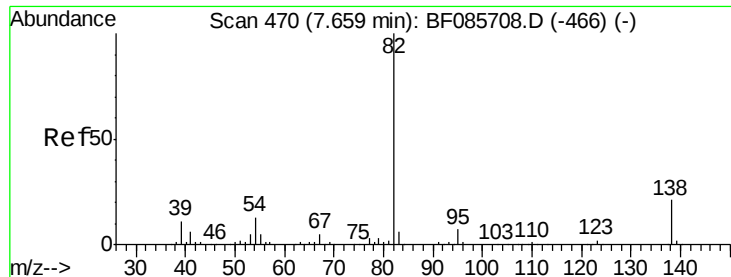
#23
Nitrobenzene-d5
Concen: 83.02 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:	82	Resp:	641258
Ion	Ratio	Lower	Upper
82	100		
128	56.2	41.8	62.8
54	39.1	33.4	50.0



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: 42.32 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

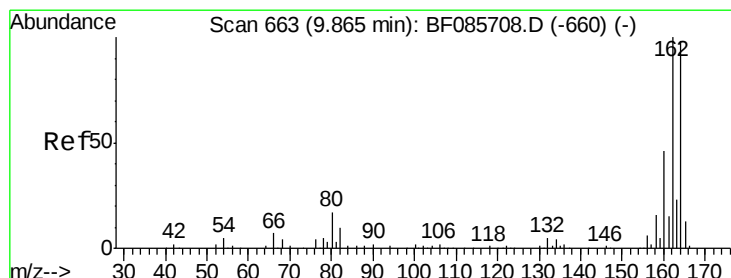
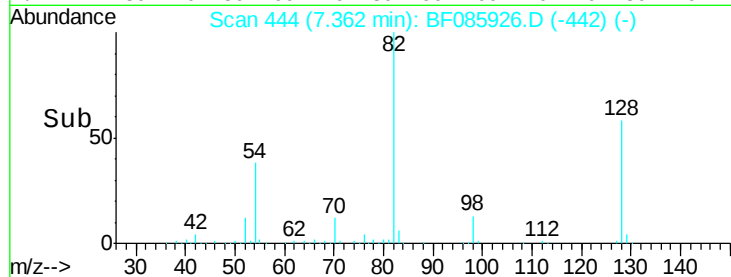
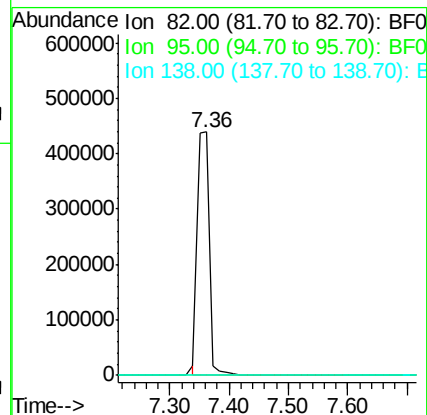
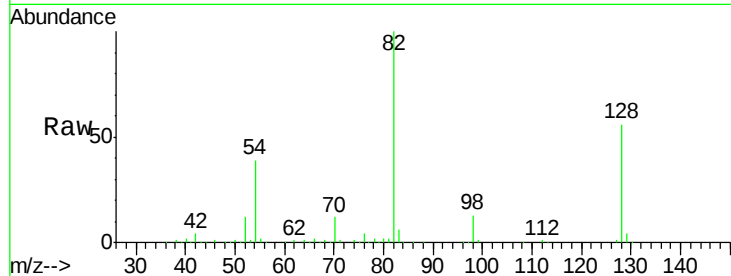
Tgt Ion: 82 Resp: 629747

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

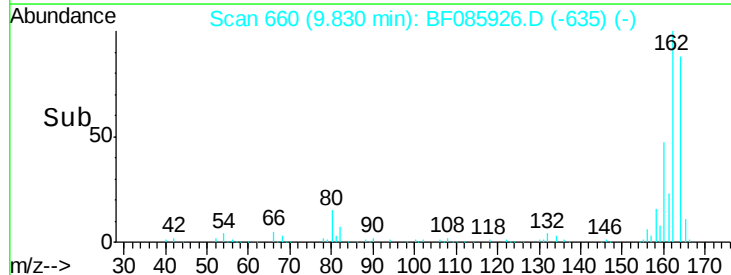
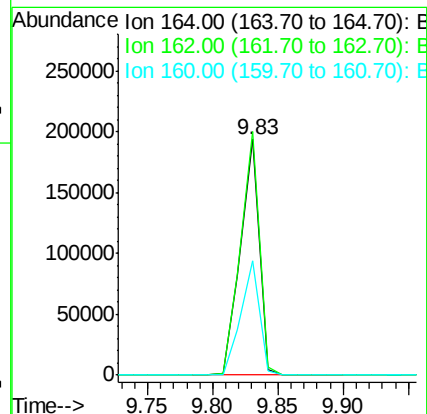
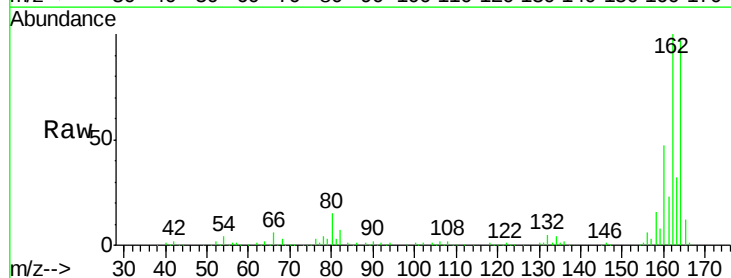
Tgt Ion: 164 Resp: 194144

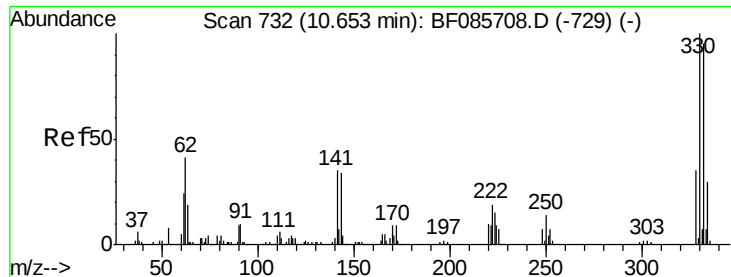
Ion Ratio Lower Upper

164 100

162 103.3 82.1 123.1

160 48.5 37.4 56.2

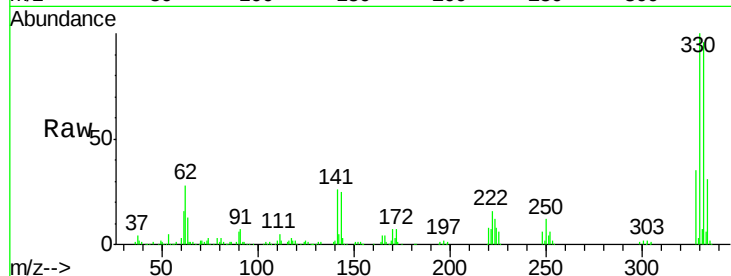




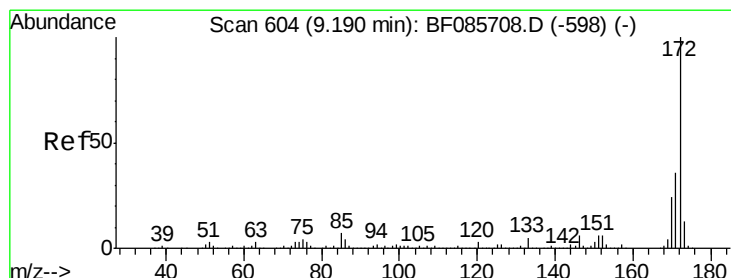
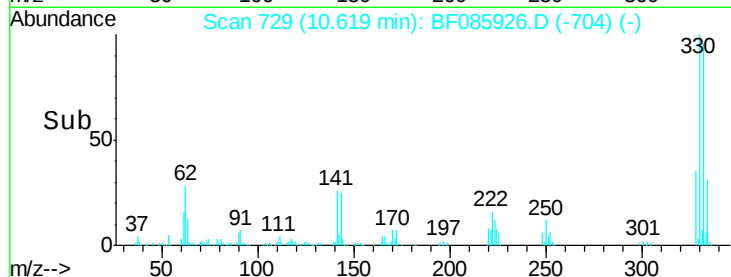
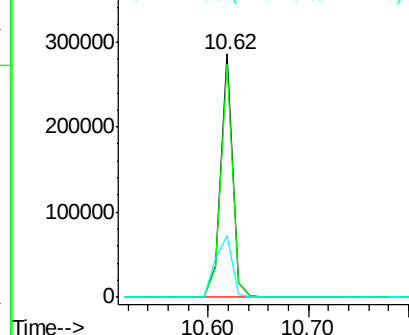
#41
 2,4,6-Tribromophenol
 Concen: 128.41 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF085926.D
 Acq: 31 Mar 2016 14:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-10

Tgt Ion:330 Resp: 236868
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.2 117.2
 141 36.2 31.5 47.3

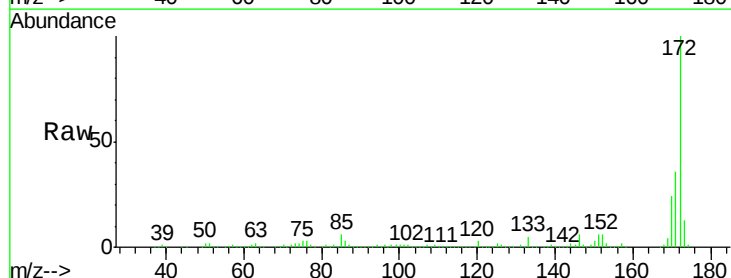


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

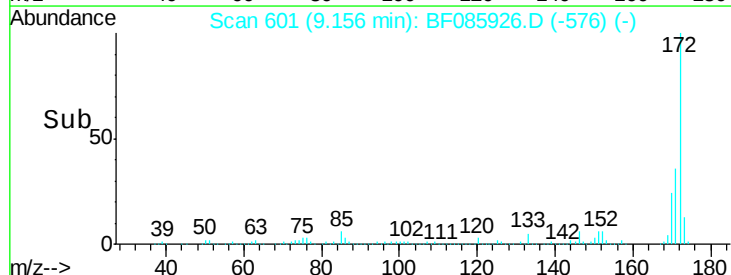
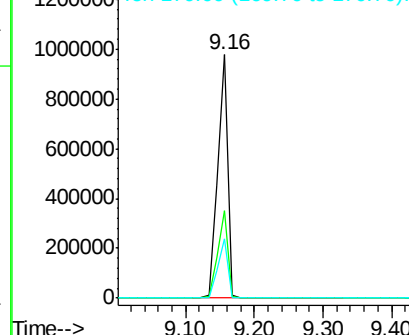


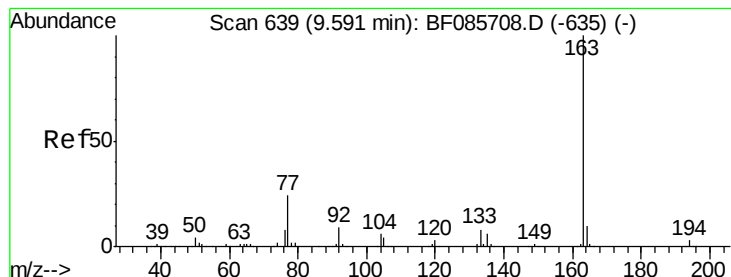
#44
 2-Fluorobiphenyl
 Concen: 86.74 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085926.D
 Acq: 31 Mar 2016 14:35

Tgt Ion:172 Resp: 1007982
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.2
 170 24.5 19.8 29.6



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: 11.94 ng

RT: 9.54 min Scan# 635

Delta R.T. -0.02 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

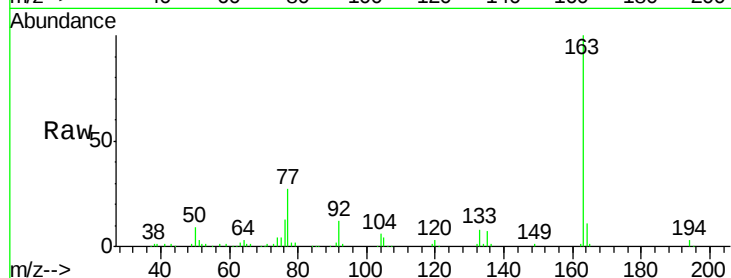
Tgt Ion:163 Resp: 175930

Ion Ratio Lower Upper

163 100

194 3.1 2.9 4.3

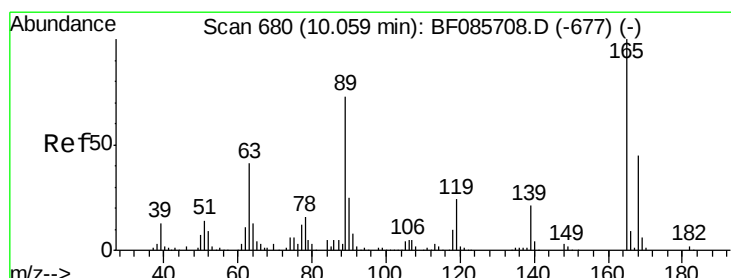
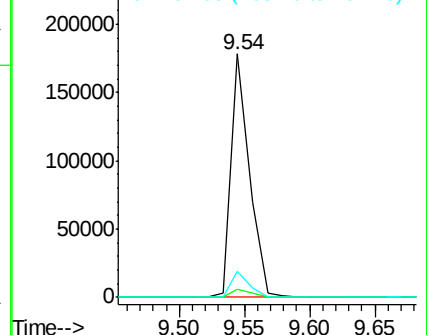
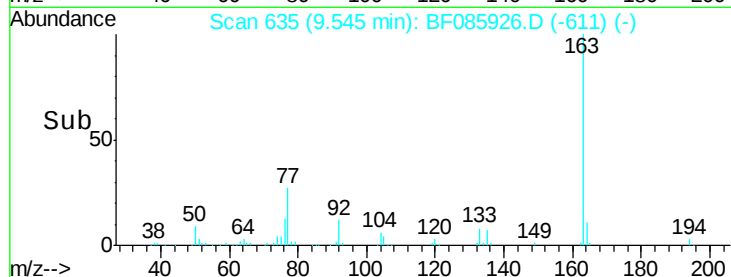
164 10.5 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.19 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.21 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Tgt Ion:165 Resp: 24940

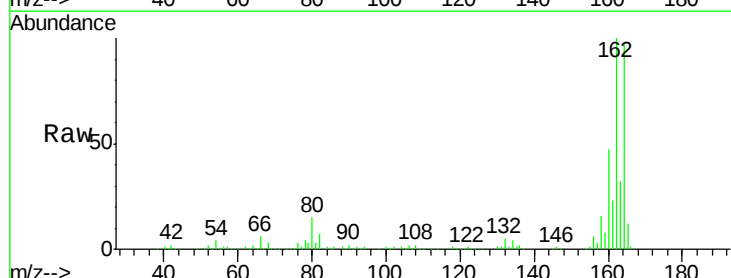
Ion Ratio Lower Upper

165 100

63 1.8 24.9 37.3#

89 1.8 41.0 61.6#

182 0.0 2.1 3.1#

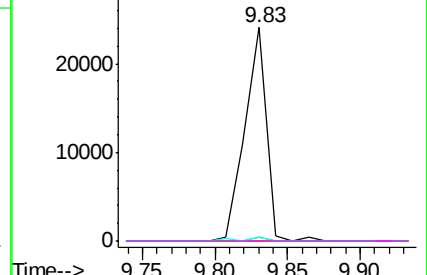
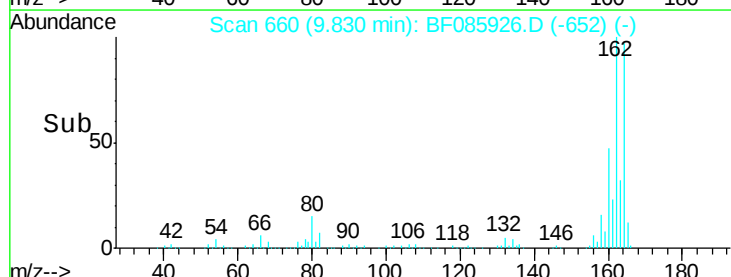


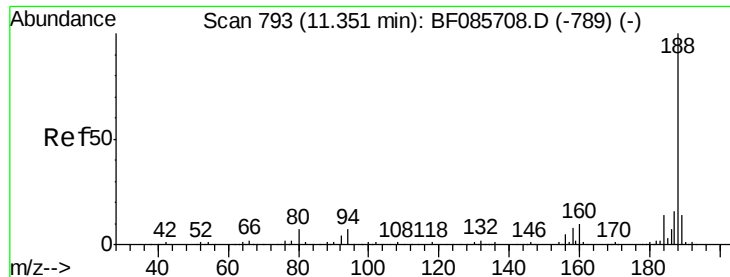
Abundance Ion 165.00 (164.70 to 165.70): E

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

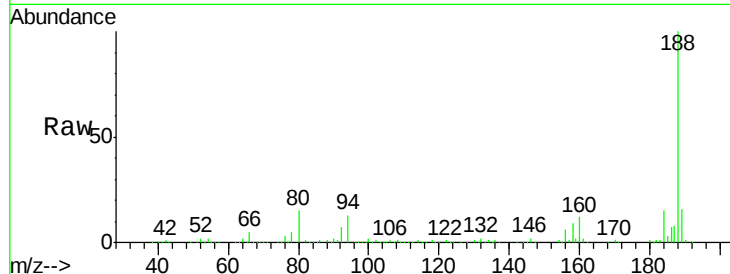




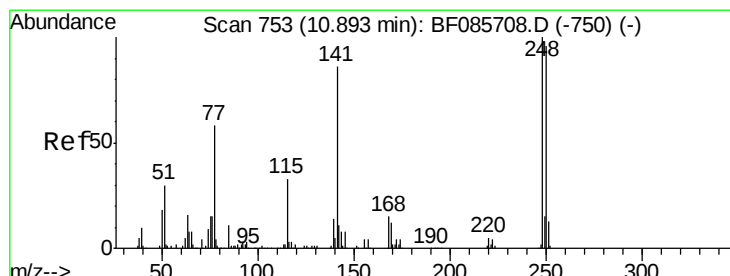
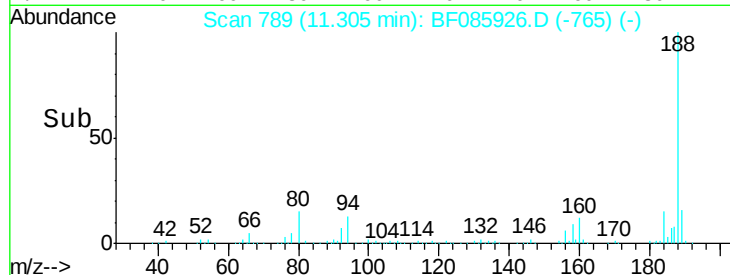
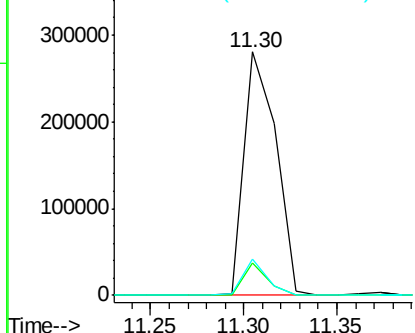
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:188 Resp: 334310
Ion Ratio Lower Upper
188 100
94 13.1 5.4 8.0#
80 15.0 5.5 8.3#

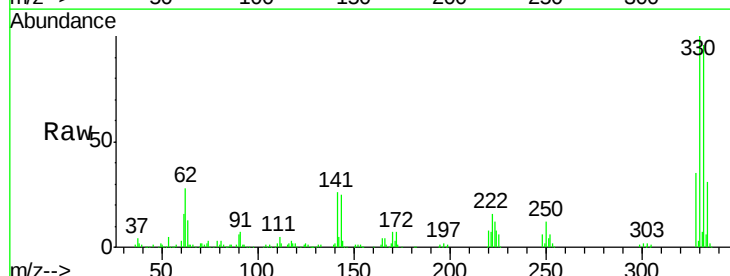


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

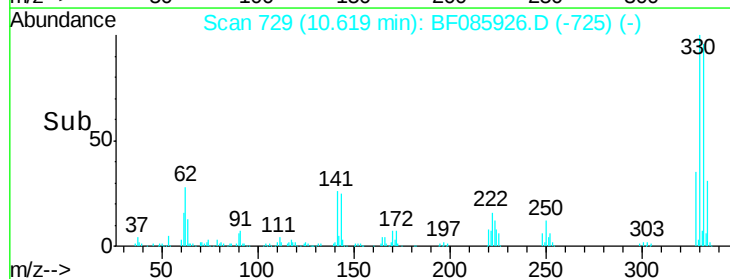
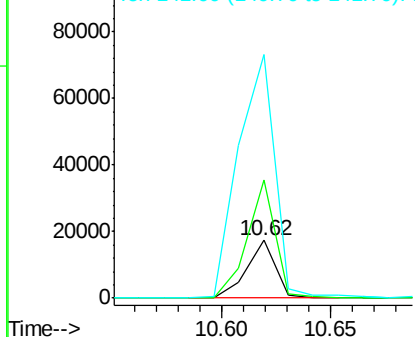


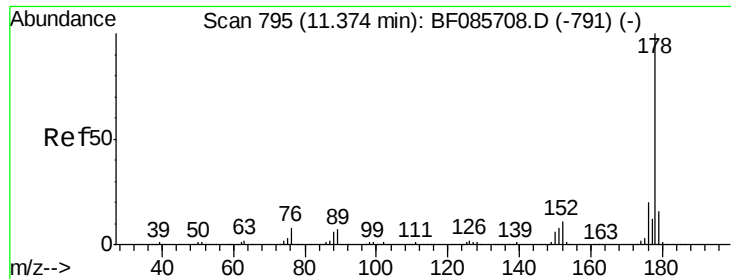
#66
4-Bromophenyl-phenylether
Concen: 4.56 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.25 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:248 Resp: 15601
Ion Ratio Lower Upper
248 100
250 205.3 77.4 116.0#
141 422.0 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

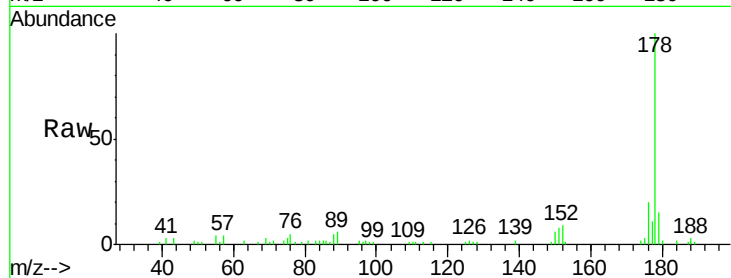




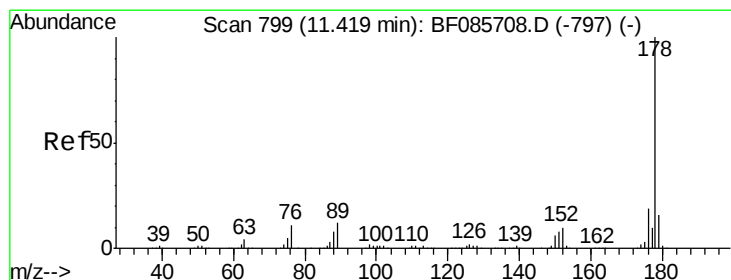
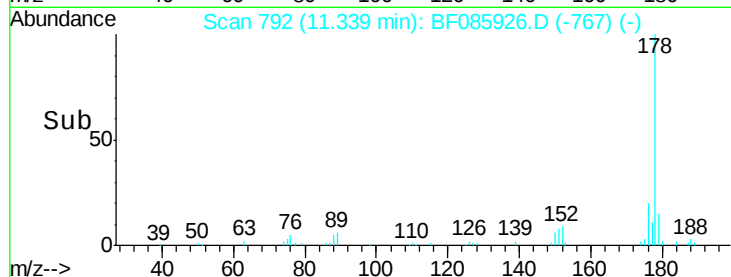
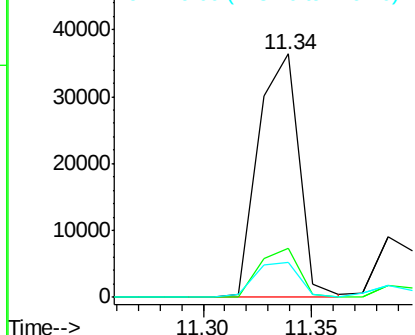
#70
Phenanthrene
Concen: 2.77 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:178 Resp: 47534
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 14.6 12.6 18.8

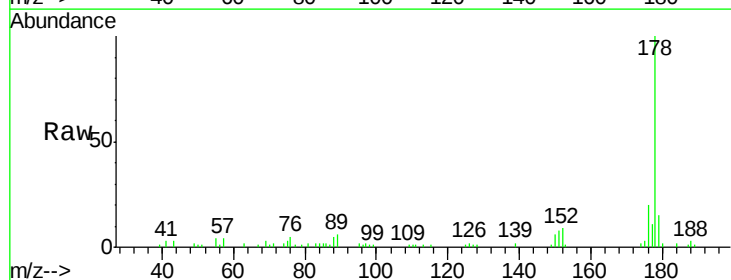


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

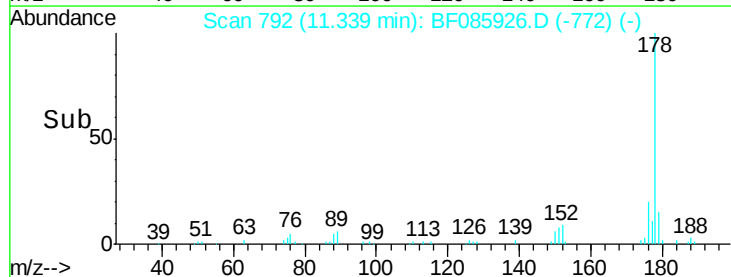
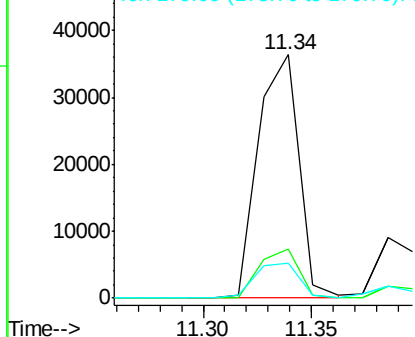


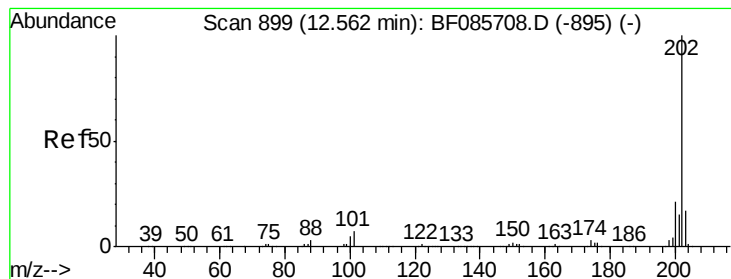
#71
Anthracene
Concen: 2.64 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.07 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:178 Resp: 47534
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 14.6 13.0 19.4



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: 3.30 ng

RT: 12.52 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

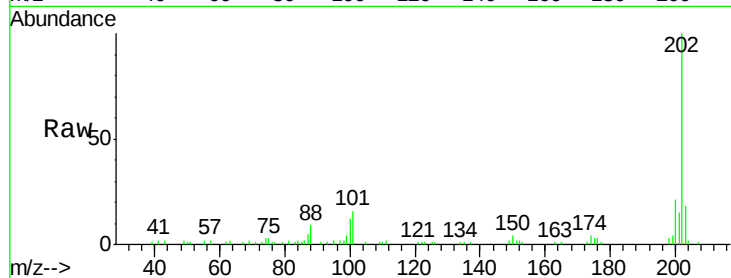
Tgt Ion: 202 Resp: 60218

Ion Ratio Lower Upper

202 100

101 16.0 0.0 36.6

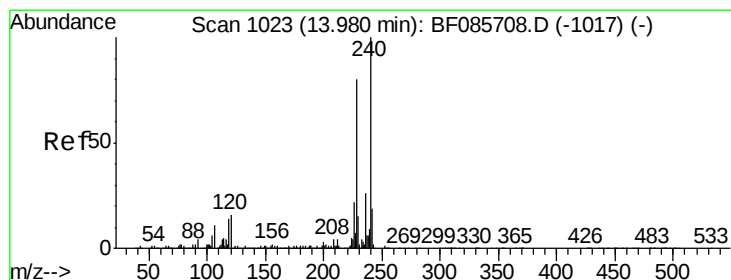
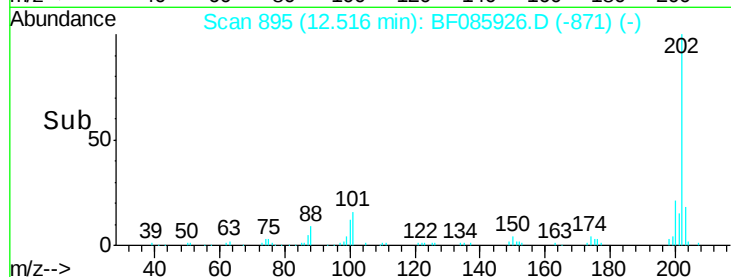
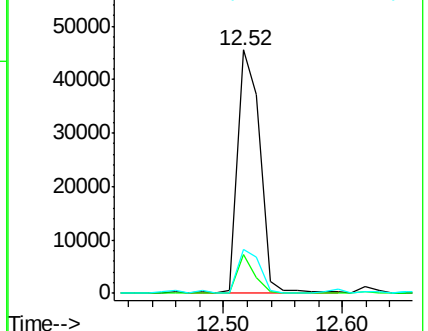
203 18.2 0.0 38.1



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: 13.95 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

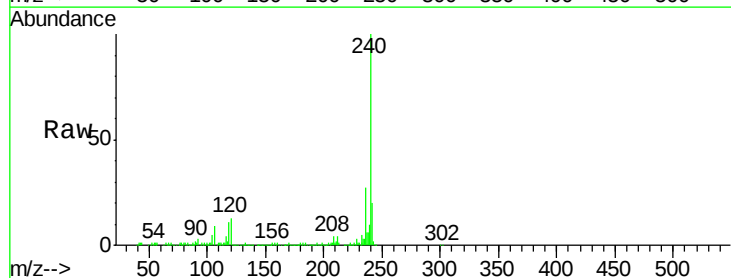
Tgt Ion: 240 Resp: 214898

Ion Ratio Lower Upper

240 100

120 12.7 13.8 20.8#

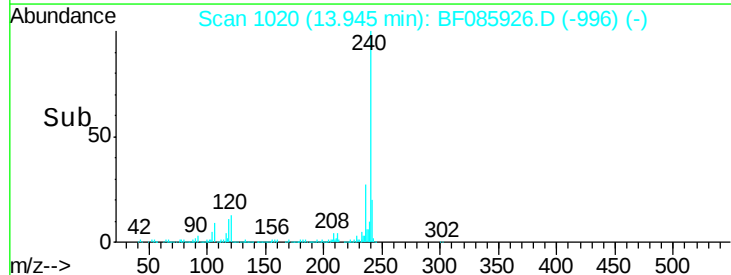
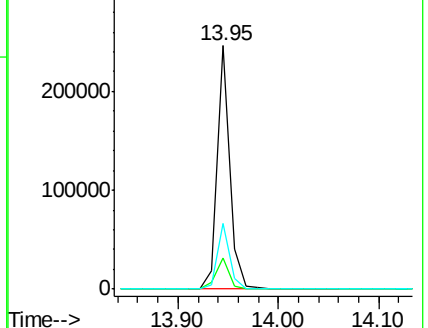
236 27.1 20.6 30.8

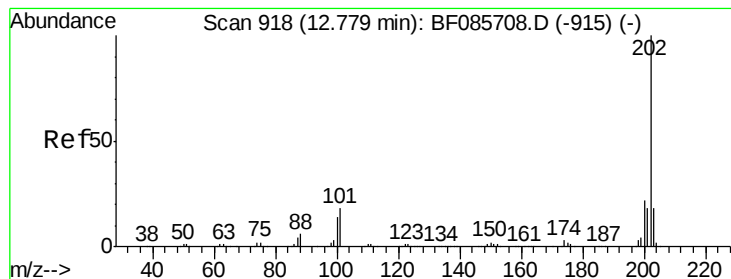


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.16 ng

RT: 12.74 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

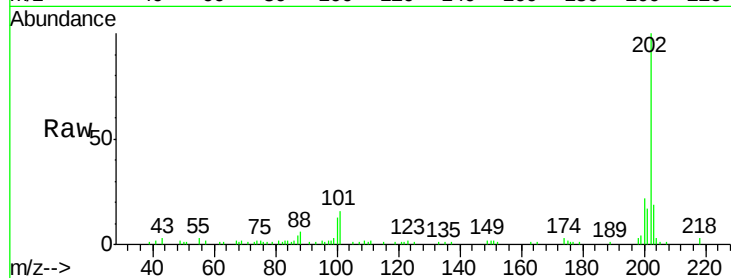
Tgt Ion:202 Resp: 55895

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

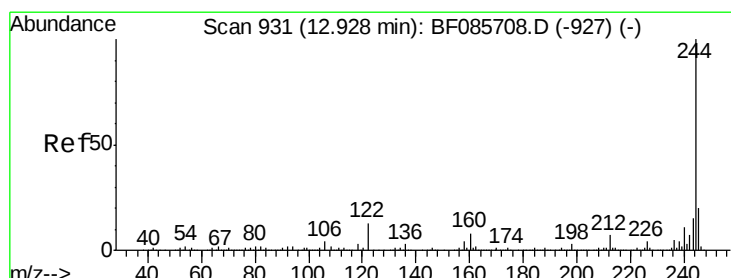
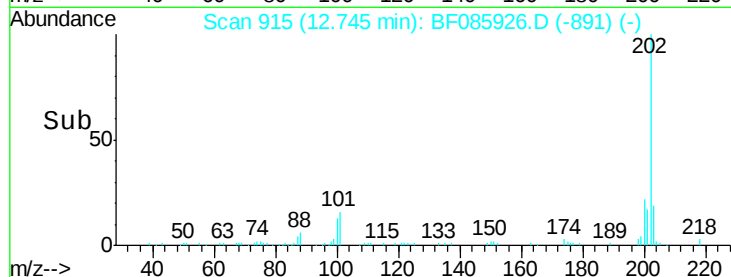
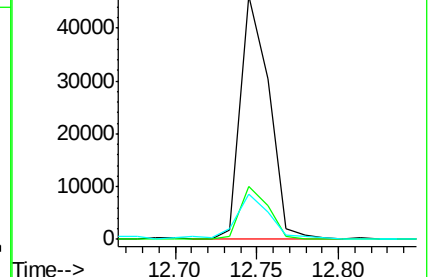
203 18.6 14.0 21.0



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: 66.76 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

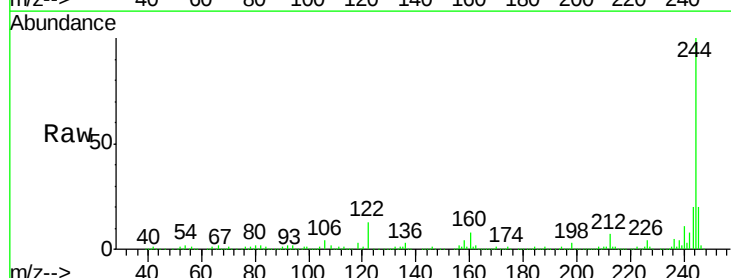
Tgt Ion:244 Resp: 697624

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

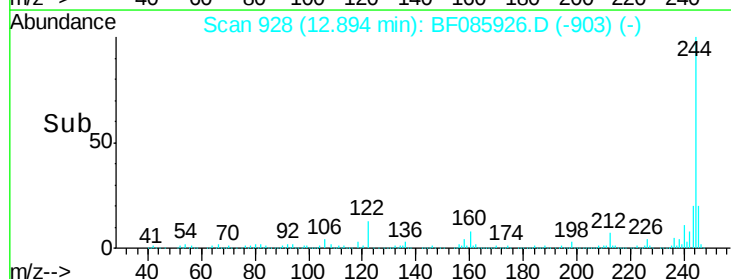
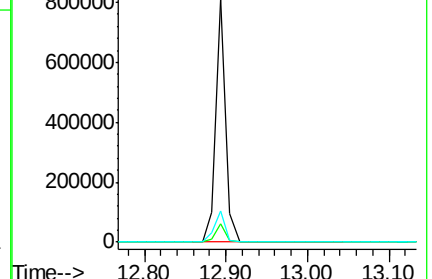
122 12.9 10.2 15.4

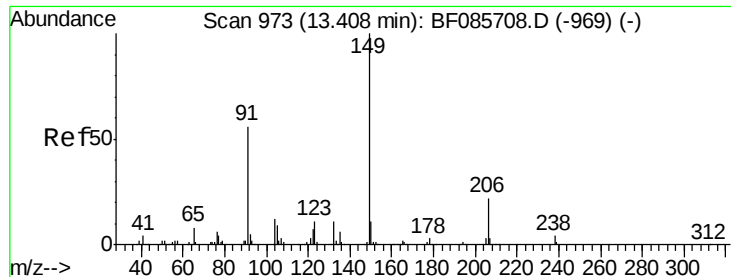


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

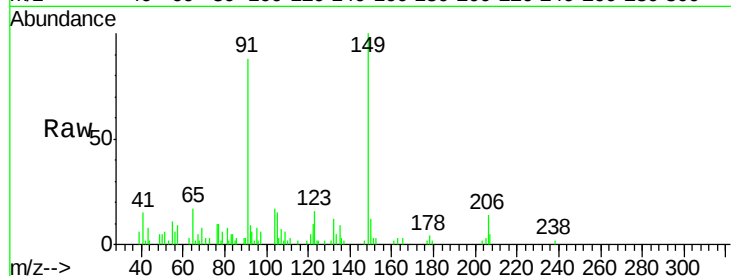




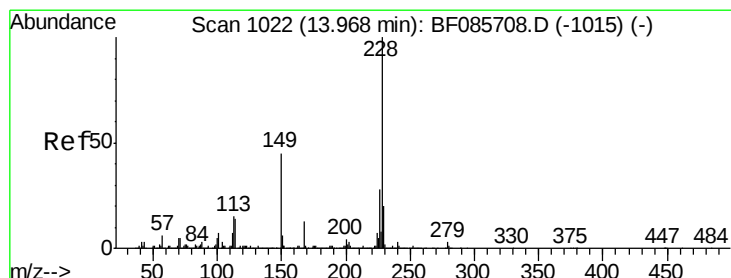
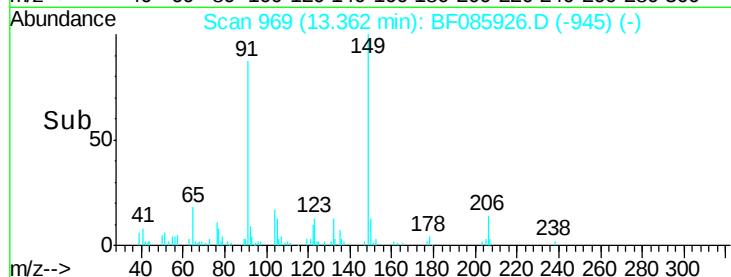
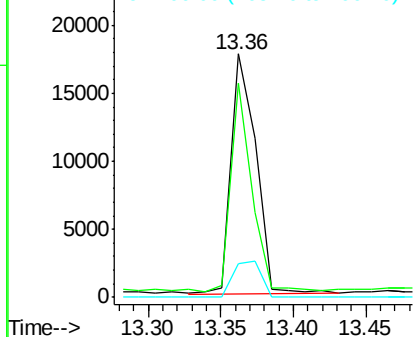
#79
Butylbenzylphthalate
Concen: 2.83 ng
RT: 13.36 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:149 Resp: 20972
Ion Ratio Lower Upper
149 100
91 88.0 45.8 68.8#
206 14.0 17.8 26.8#

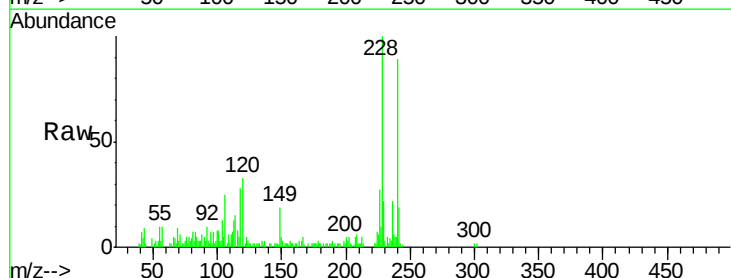


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

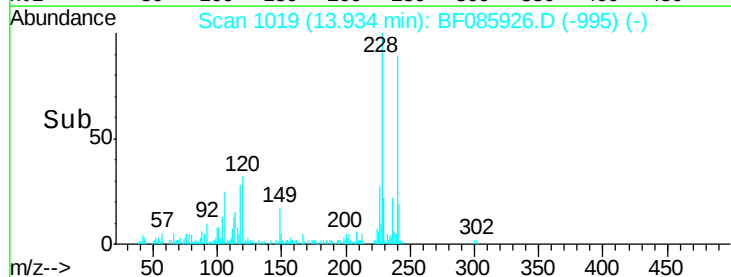
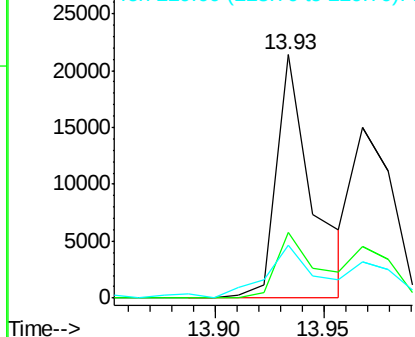


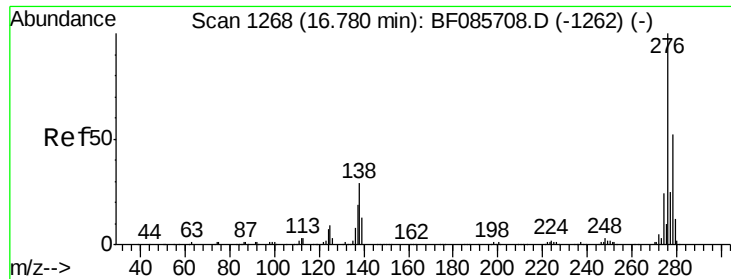
#80
Benzo(a)anthracene
Concen: 2.02 ng
RT: 13.93 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:228 Resp: 24794
Ion Ratio Lower Upper
228 100
226 27.2 22.1 33.1
229 21.8 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

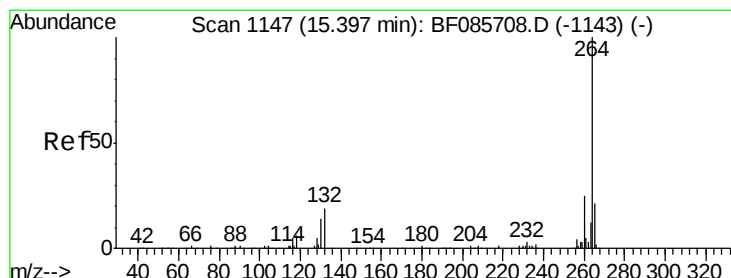
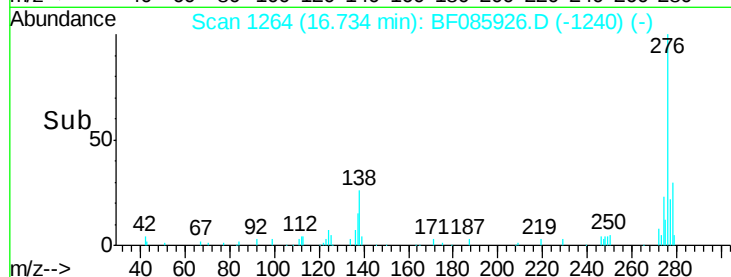
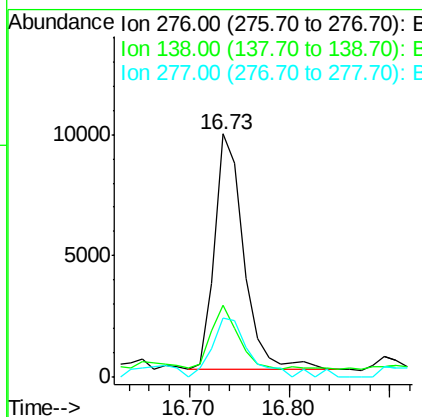
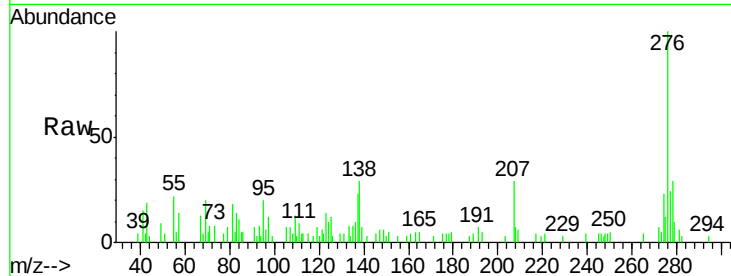




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.05 ng
 RT: 16.73 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF085926.D
 Acq: 31 Mar 2016 14:35

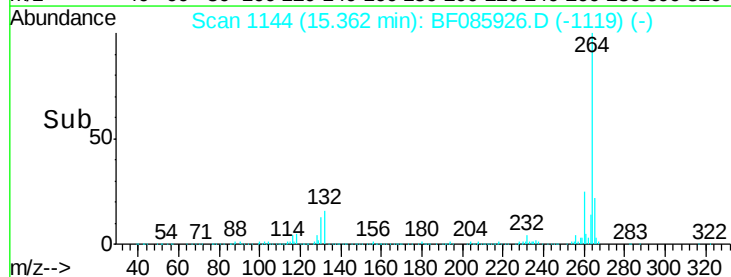
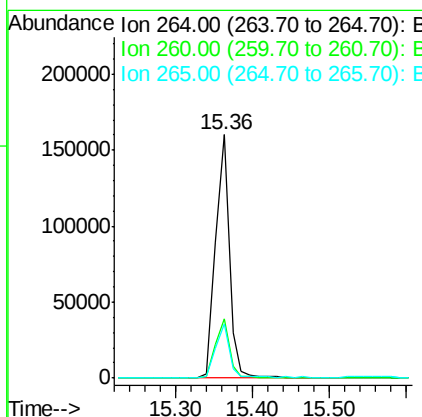
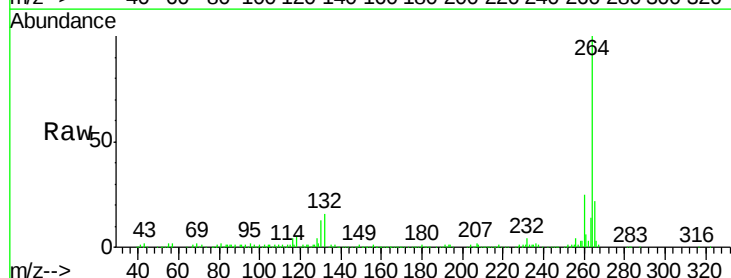
Instrument :
 BNA_F
 ClientSampleId :
 SP-10

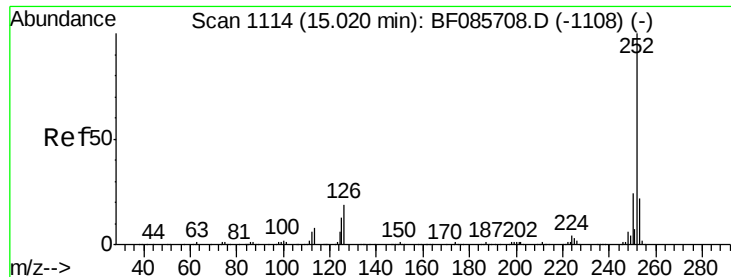
Tgt Ion: 276 Resp: 19512
 Ion Ratio Lower Upper
 276 100
 138 26.4 24.2 36.4
 277 31.2 20.0 30.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF085926.D
 Acq: 31 Mar 2016 14:35

Tgt Ion: 264 Resp: 202187
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 22.1 17.2 25.8

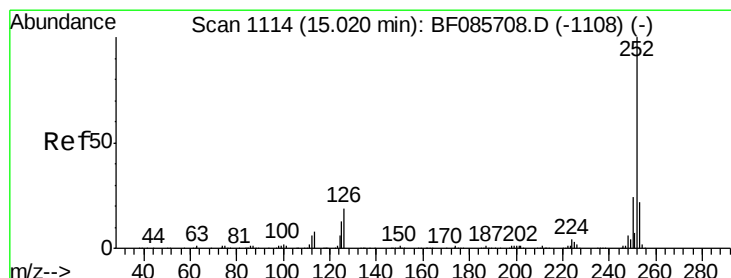
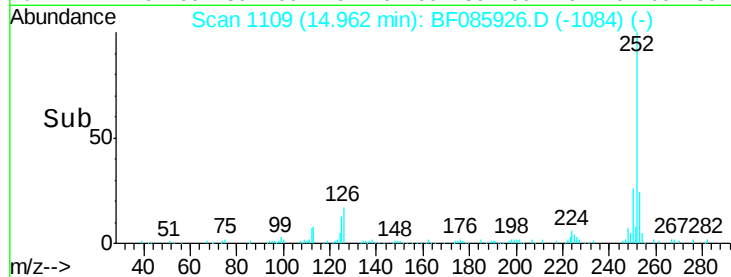
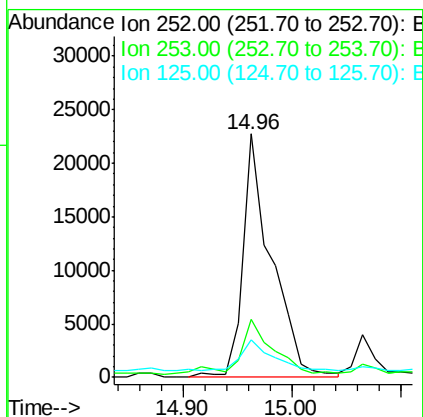
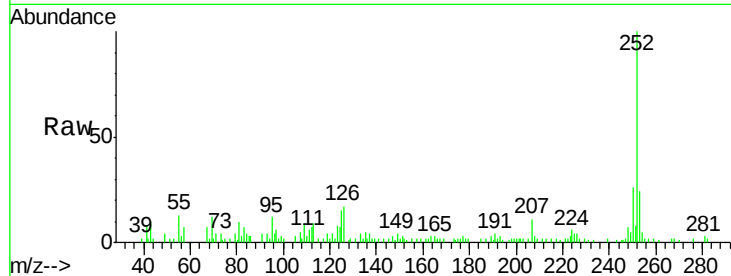




#87
Benzo(b)fluoranthene
Concen: 3.24 ng
RT: 14.96 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

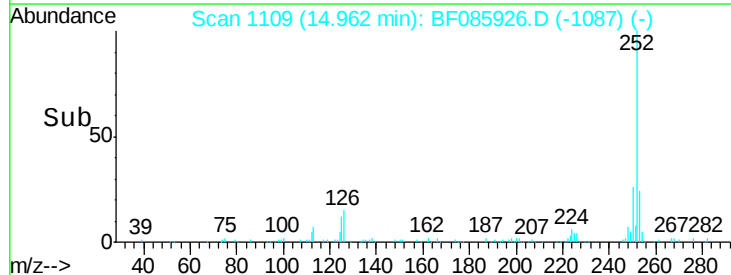
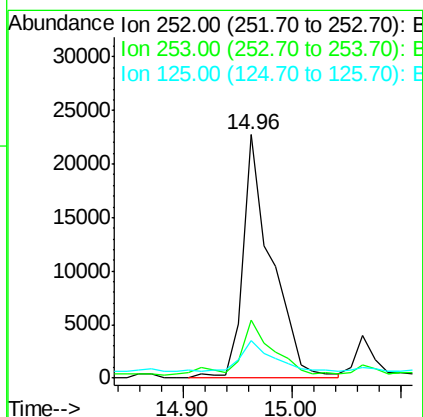
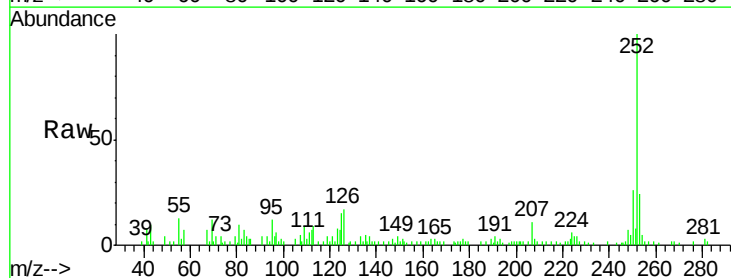
Instrument :
BNA_F
ClientSampleId :
SP-10

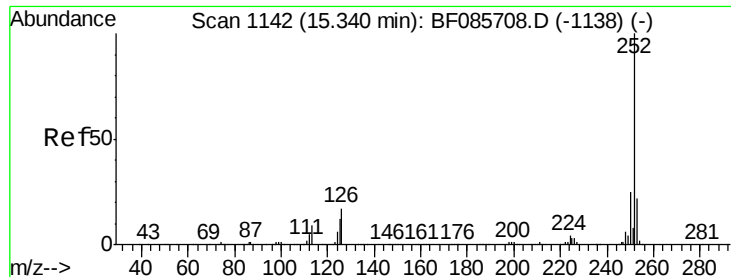
Tgt Ion:252 Resp: 41321
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 15.5 10.3 15.5



#88
Benzo(k)fluoranthene
Concen: 3.60 ng
RT: 14.96 min Scan# 1109
Delta R.T. -0.05 min
Lab File: BF085926.D
Acq: 31 Mar 2016 14:35

Tgt Ion:252 Resp: 41321
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 15.5 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 2.01 ng

RT: 15.31 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

Instrument :

BNA_F

ClientSampleId :

SP-10

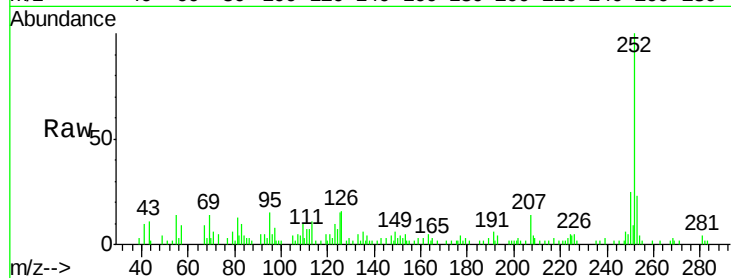
Tgt Ion:252 Resp: 22711

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 14.9 10.3 15.5

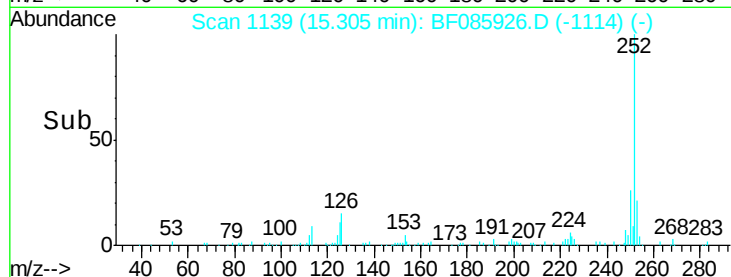


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 15.25 15.30 15.35

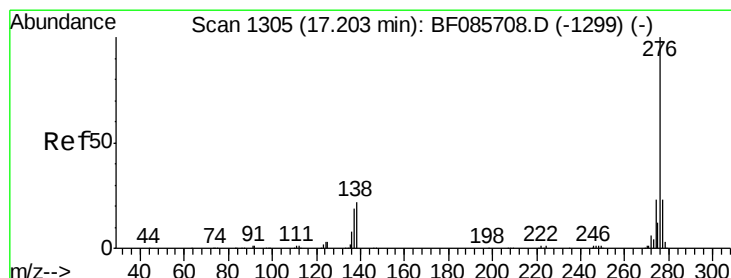


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time--> 17.10 17.20 17.30



#91

Benzo(g,h,i)perylene

Concen: 2.58 ng

RT: 17.15 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF085926.D

Acq: 31 Mar 2016 14:35

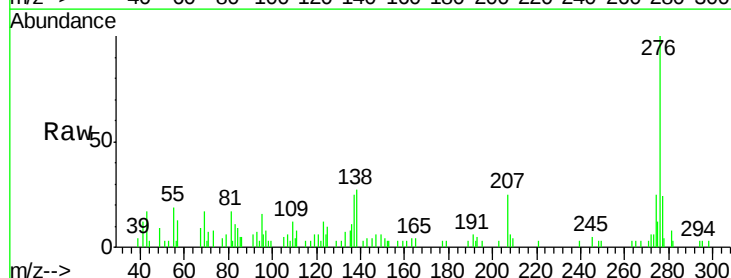
Tgt Ion:276 Resp: 27477

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 26.6 22.6 34.0



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

Time--> 17.10 17.20 17.30

