

Data File : BF093276.D
Acq On : 1 Mar 2017 6:25
Operator : SJ/MA
Sample : I1972-02 2X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Quant Time: Mar 01 06:50:12 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	143801	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	501621	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	206689	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	327477	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	277029	20.00	ng	-0.03
86) Perylene-d12	15.41	264	189952	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	563112	67.18	ng	-0.03
7) Phenol-d6	6.46	99	710116	65.84	ng	-0.02
23) Nitrobenzene-d5	7.38	82	415686	46.15	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	88167	58.98	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	577064	50.58	ng	-0.05
78) Terphenyl-d14	12.92	244	411336	34.89	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	39479	3.13	ng	92
17) 2-Methylphenol	7.25	107	61992	7.81	ng	# 65
20) 3+4-Methylphenols	7.25	107	66426	7.00	ng	# 63
25) Isophorone	7.38	82	311133	18.54	ng	# 65
31) Naphthalene	8.11	128	69023	2.71	ng	100
32) Benzoic acid	7.92	122	3602	7.87	ng	# 54
49) Dimethylphthalate	9.56	163	47369	3.40	ng	98
51) Acenaphthene	9.88	154	27055	2.24	ng	97
54) Dibenzofuran	10.05	168	44259	2.74	ng	93
57) Fluorene	10.40	166	48007	3.86	ng	99
64) 4,6-Dinitro-2-methylphenol	10.67	198	1114	3.20	ng	# 1
70) Phenanthrene	11.36	178	379742	20.24	ng	98
71) Anthracene	11.41	178	92799	4.93	ng	99
74) Fluoranthene	12.56	202	493827	25.52	ng	94
77) Pyrene	12.79	202	461026	22.24	ng	98
80) Benzo(a)anthracene	13.97	228	215074	12.69	ng	95
82) Chrysene	13.97	228	215074	13.56	ng	96
85) Indeno(1,2,3-cd)pyrene	16.81	276	67459	5.49	ng	95
87) Benzo(b)fluoranthene	15.00	252	236135	18.89	ng	# 82
88) Benzo(k)fluoranthene	15.00	252	236135	21.87	ng	# 82
89) Benzo(a)pyrene	15.36	252	118727	10.98	ng	# 91
90) Dibenzo(a,h)anthracene	16.81	278	18092	2.07	ng	# 65
91) Benzo(g,h,i)perylene	17.23	276	67682	7.67	ng	# 88

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

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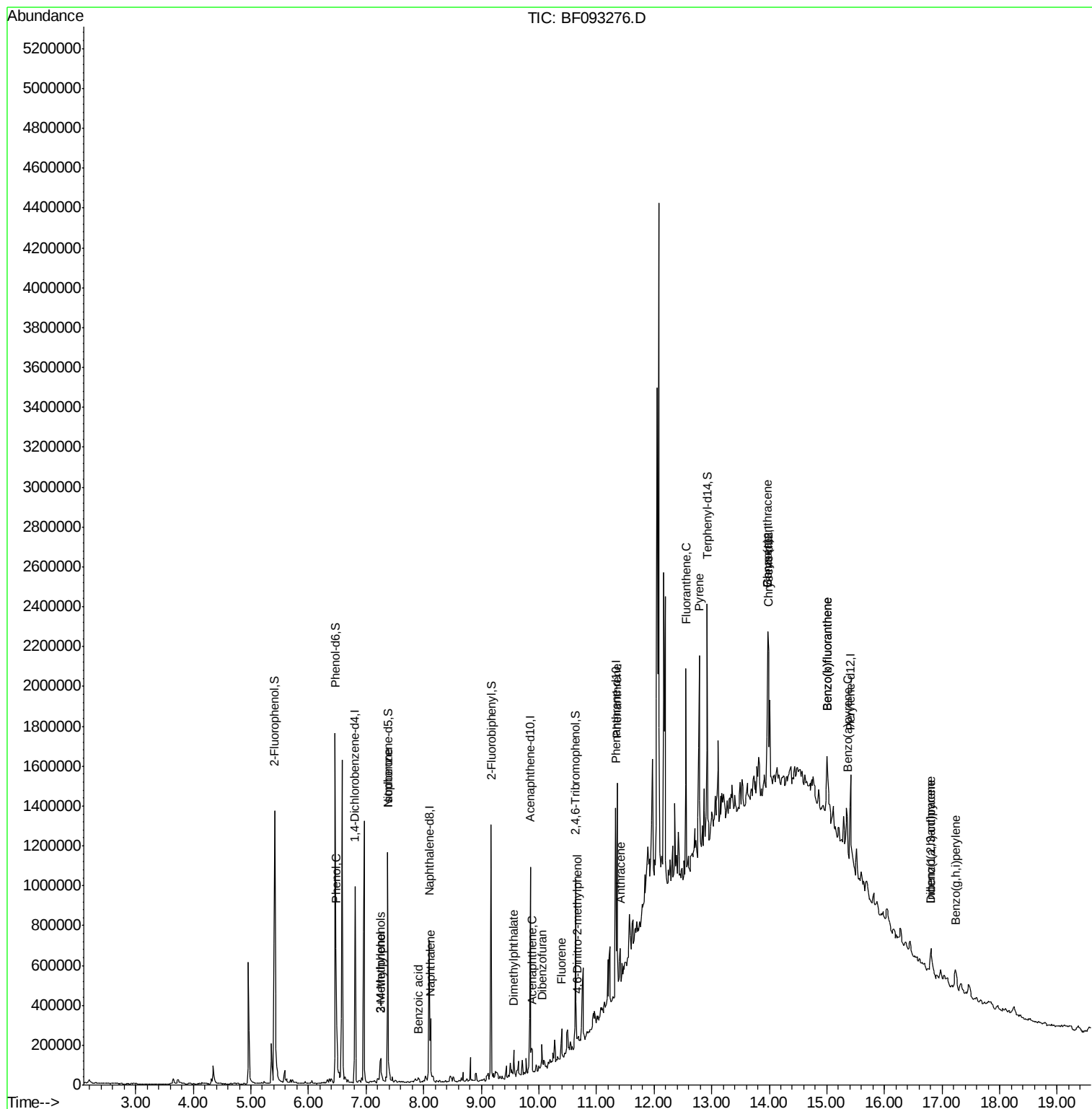
Quant Time: Mar 01 06:50:12 2017

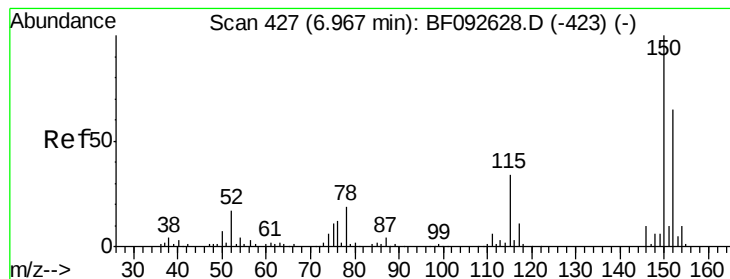
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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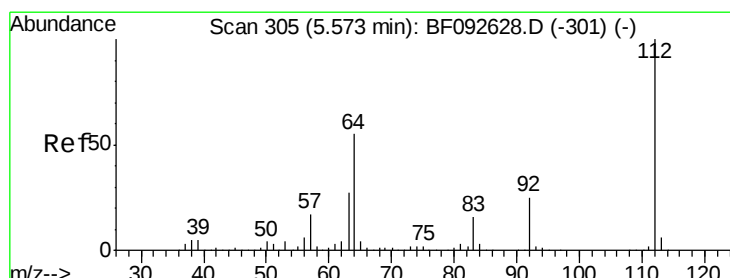
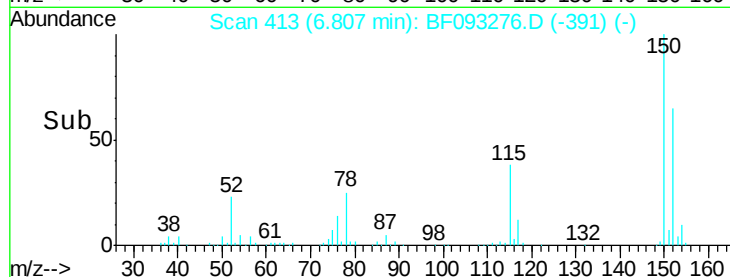
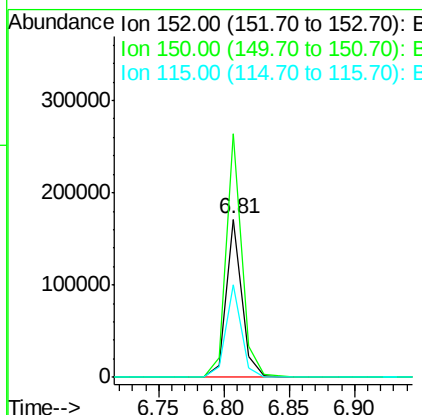
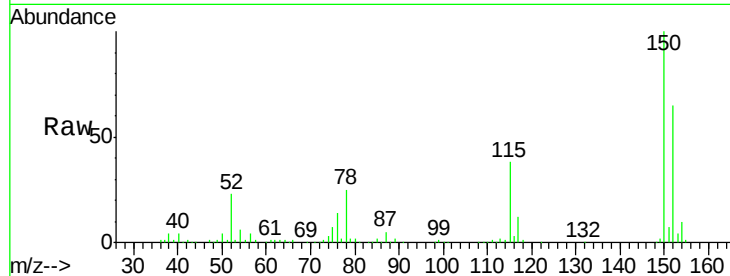




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093276.D
 Acq: 1 Mar 2017 6:25

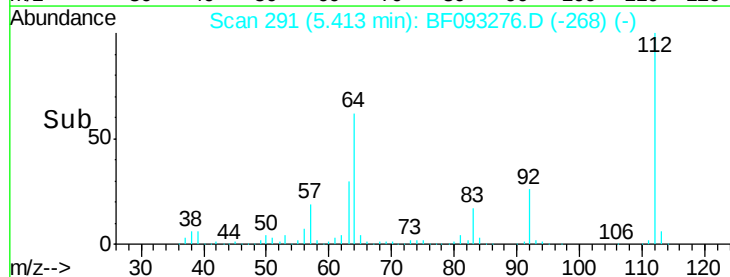
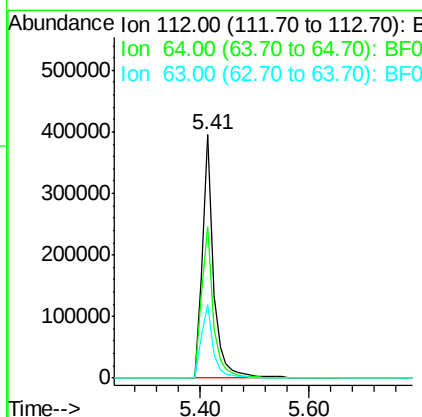
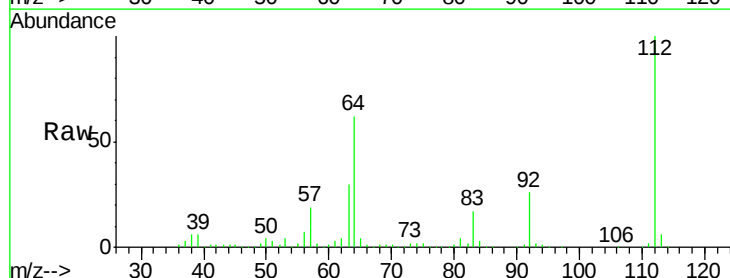
Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-2

Tgt Ion:152 Resp: 143801
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.9 187.3
 115 58.6 46.0 69.0



#5
 2-Fluorophenol
 Concen: 67.18 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093276.D
 Acq: 1 Mar 2017 6:25

Tgt Ion:112 Resp: 563112
 Ion Ratio Lower Upper
 112 100
 64 62.2 46.1 69.1
 63 30.0 23.8 35.6





#7

Phenol-d6

Concen: 65.84 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

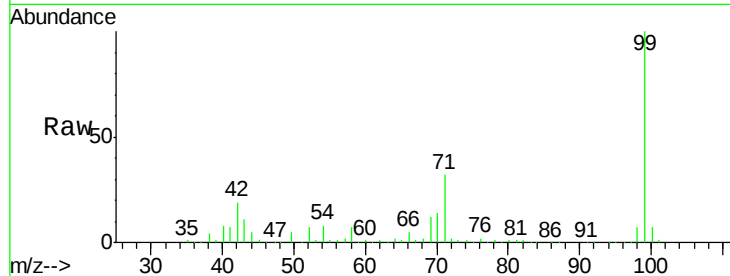
Tgt Ion: 99 Resp: 710116

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

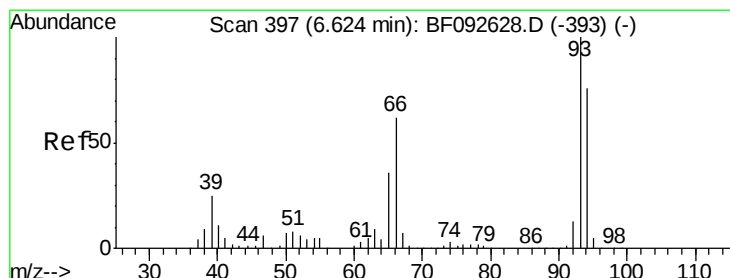
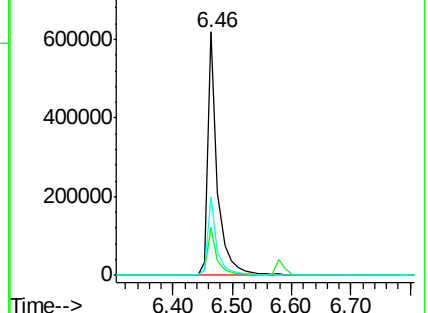
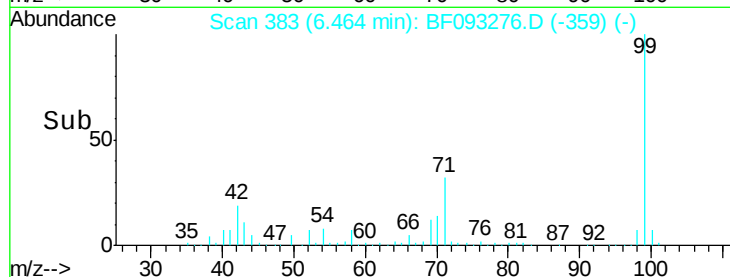
71 32.0 27.5 41.3



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



#10

Phenol

Concen: 3.13 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

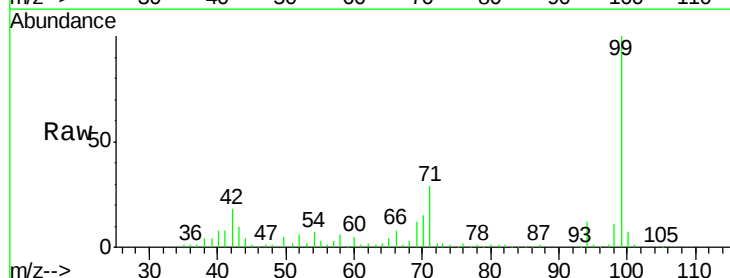
Tgt Ion: 94 Resp: 39479

Ion Ratio Lower Upper

94 100

65 36.3 21.4 61.4

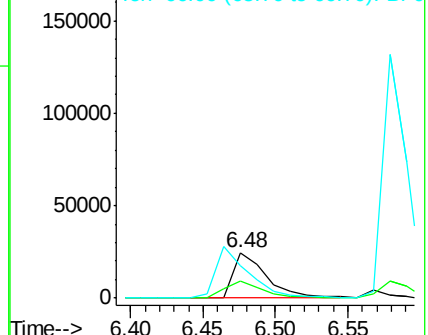
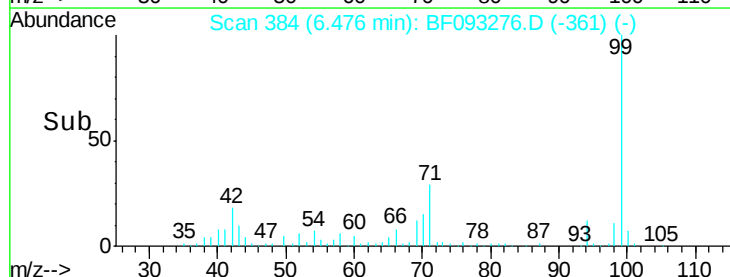
66 70.7 44.0 84.0

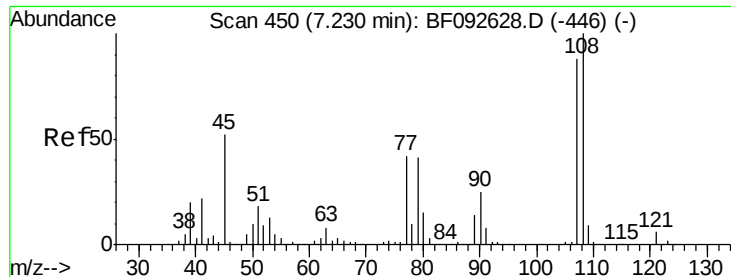


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

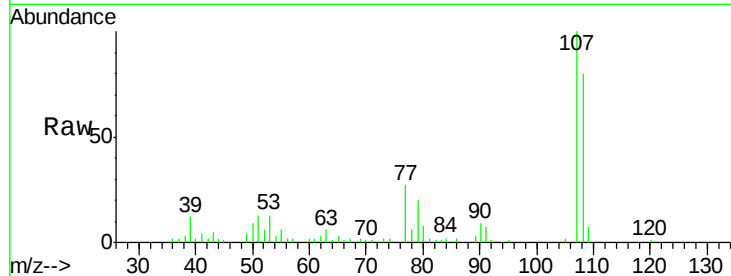




#17
2-Methylphenol
Concen: 7.81 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.14 min
Lab File: BF093276.D
Acq: 1 Mar 2017 6:25

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tgt Ion:	107	Resp:	61992
Ion	Ratio	Lower	Upper
107	100		
108	80.3	93.0	139.6#
77	27.0	39.8	59.8#
79	19.7	38.0	57.0#



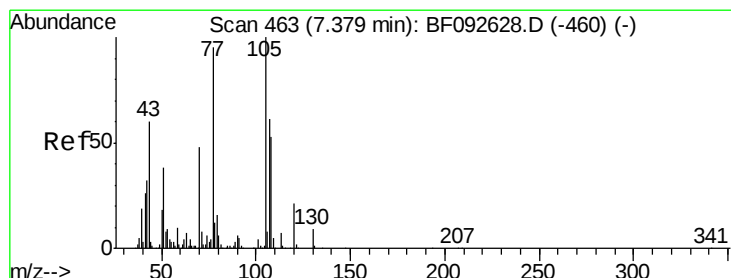
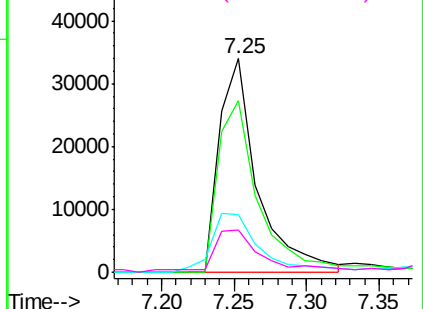
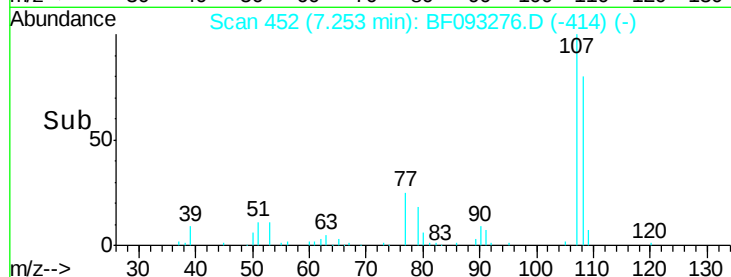
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

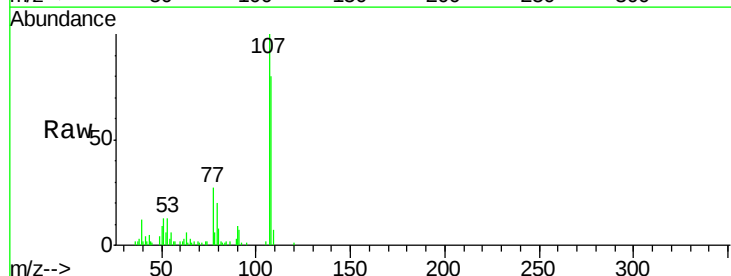
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20
3+4-Methylphenols
Concen: 7.00 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF093276.D
Acq: 1 Mar 2017 6:25

Tgt Ion:	107	Resp:	66426
Ion	Ratio	Lower	Upper
107	100		
108	80.3	73.0	113.0
77	27.0	71.3	111.3#
79	19.7	11.1	51.1



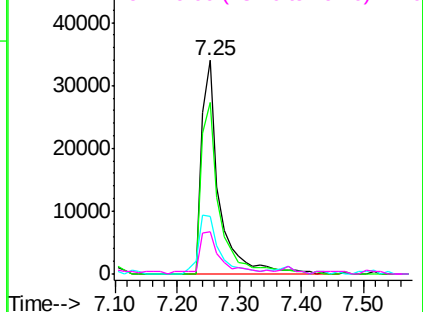
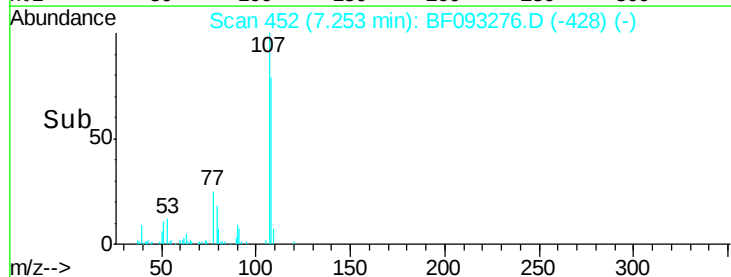
Abundance

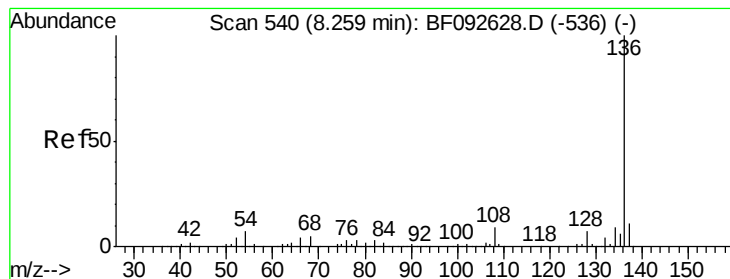
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

Tgt Ion:136 Resp: 501621

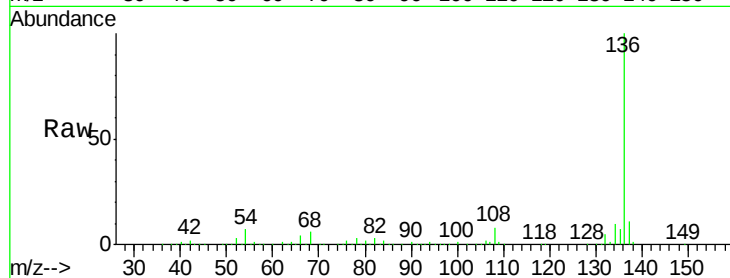
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 7.3 4.5 6.7#

68 5.6 3.6 5.4#

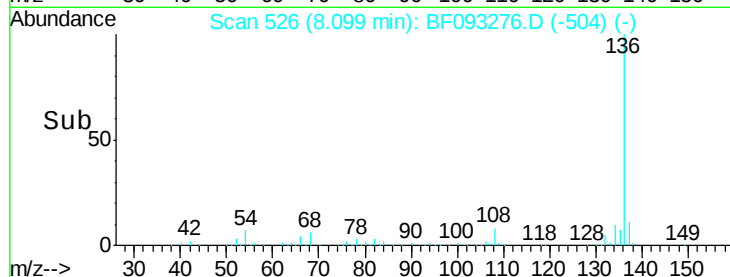


Abundance Ion 136.00 (135.70 to 136.70): E

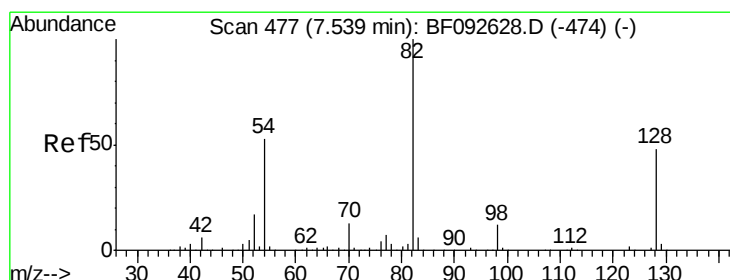
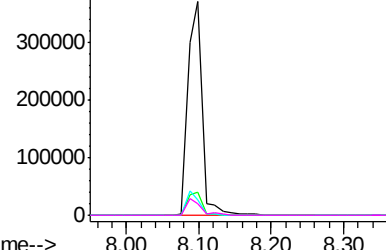
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 46.15 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

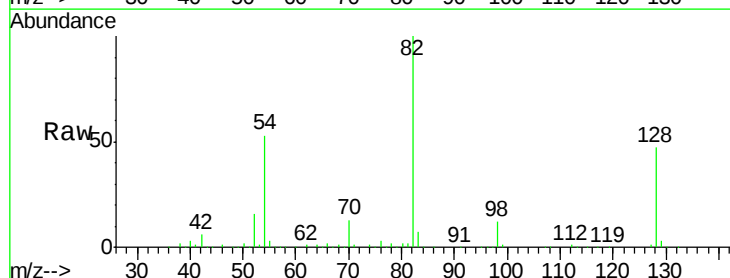
Tgt Ion: 82 Resp: 415686

Ion Ratio Lower Upper

82 100

128 46.7 34.6 52.0

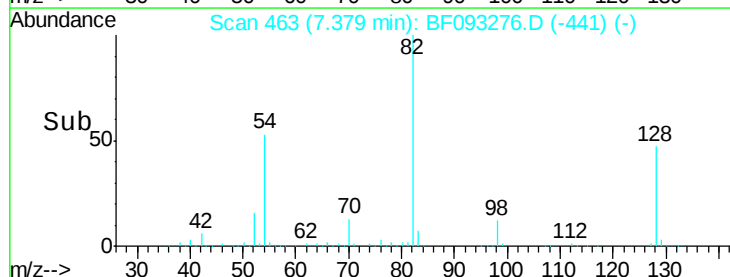
54 52.6 39.5 59.3



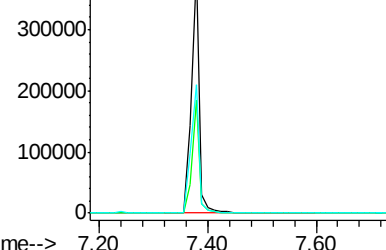
Abundance Ion 82.00 (81.70 to 82.70): BF0

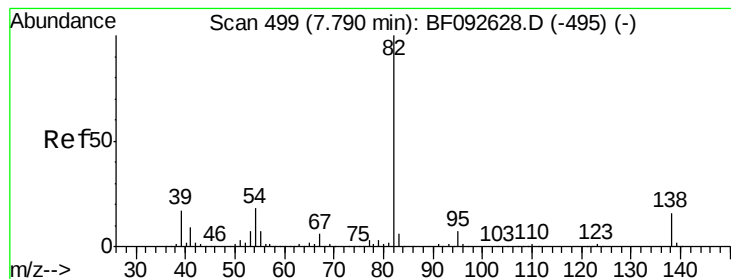
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 18.54 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

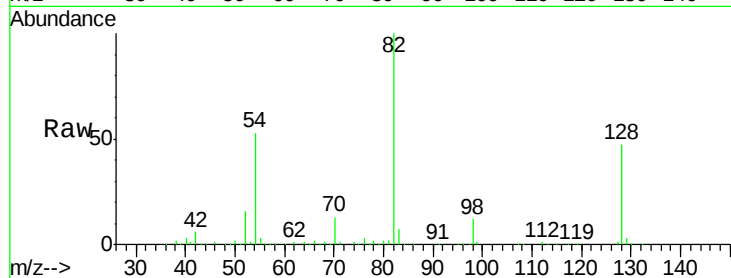
Tgt Ion: 82 Resp: 311133

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

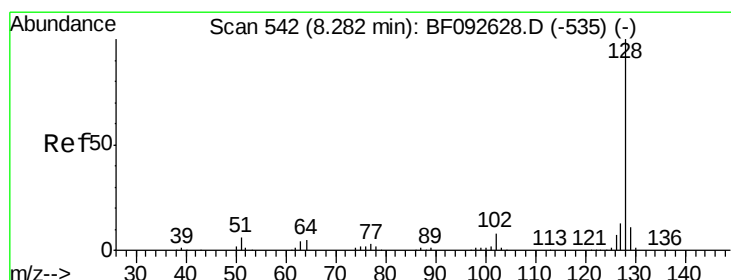
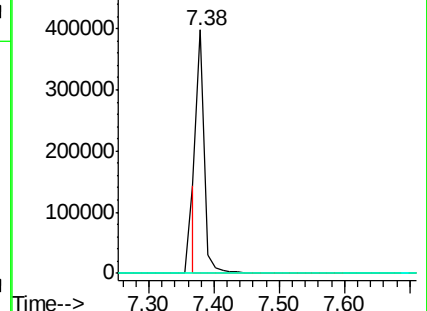
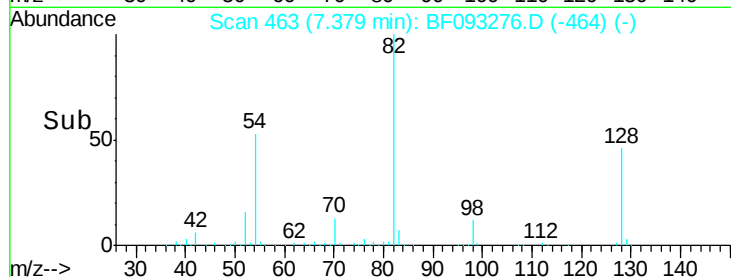
138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 2.71 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.06 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

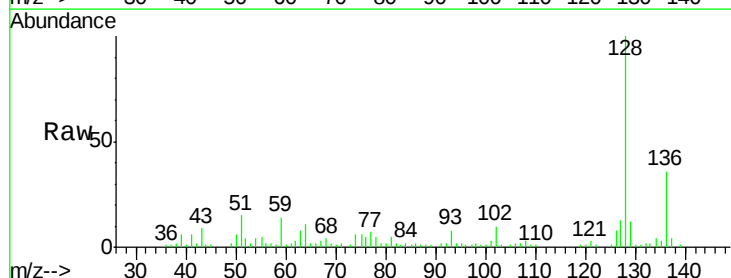
Tgt Ion: 128 Resp: 69023

Ion Ratio Lower Upper

128 100

129 12.0 9.5 14.3

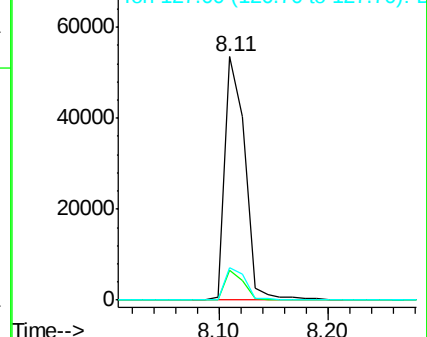
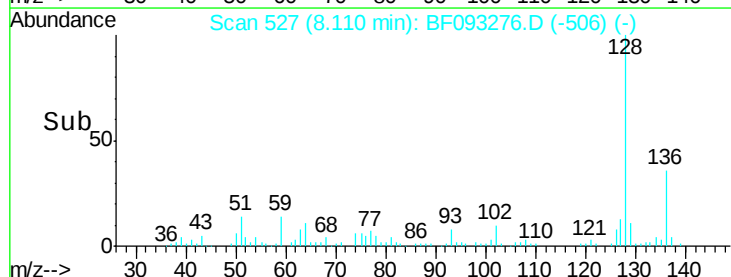
127 13.5 10.8 16.2

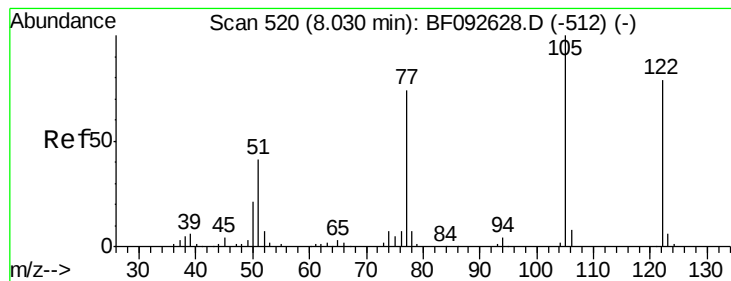


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.87 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

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E2B15-BASE-2

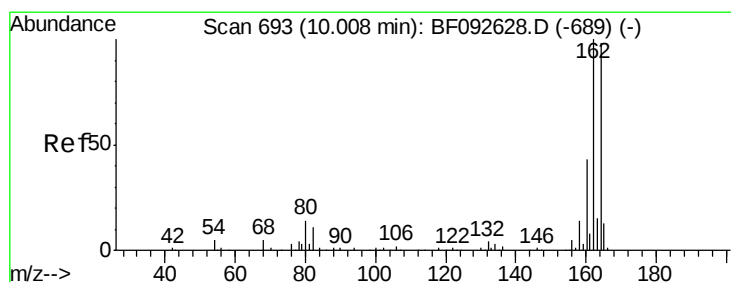
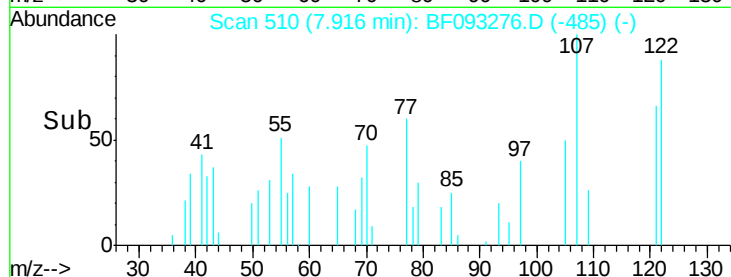
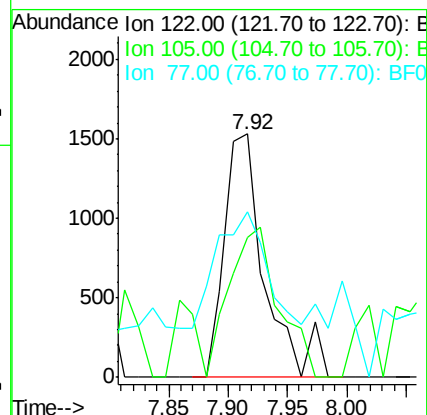
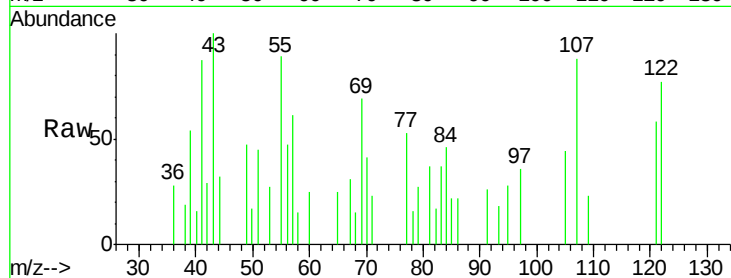
Tgt Ion:122 Resp: 3602

Ion Ratio Lower Upper

122 100

105 57.3 107.2 147.2#

77 68.2 74.5 114.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

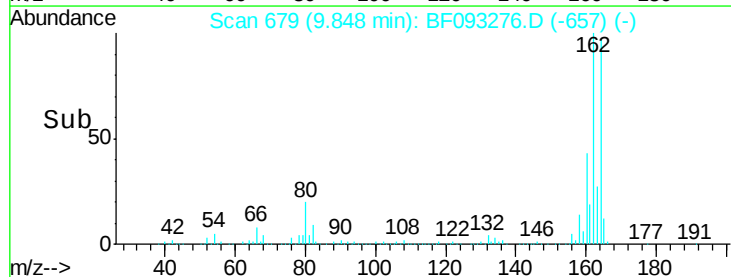
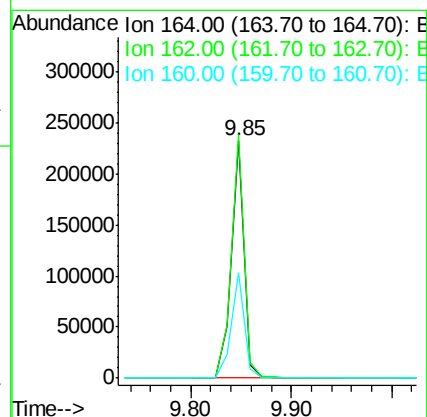
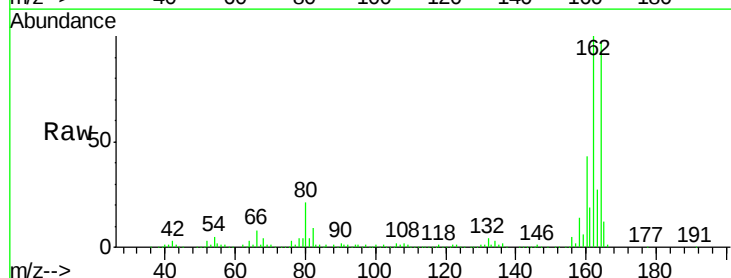
Tgt Ion:164 Resp: 206689

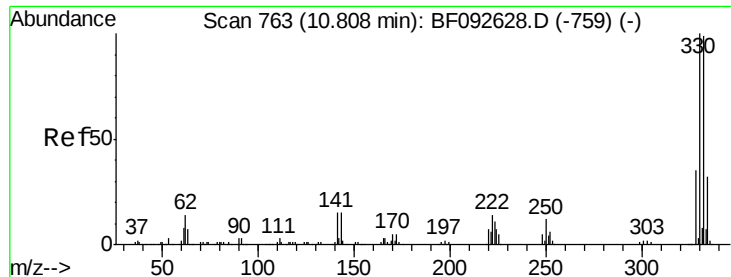
Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

160 44.6 36.9 55.3

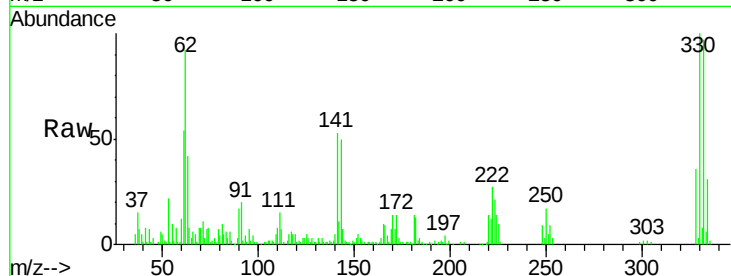




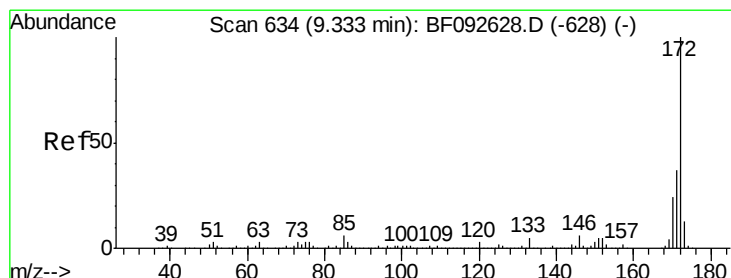
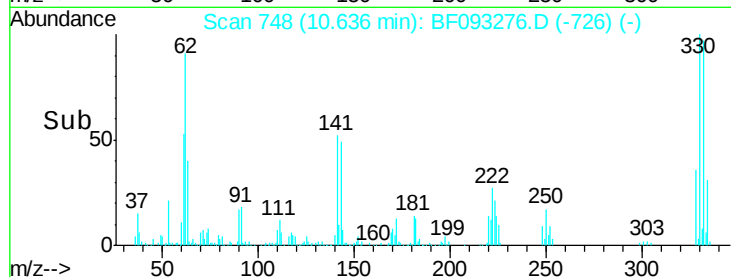
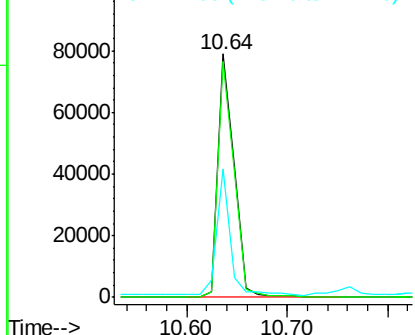
#41
 2,4,6-Tribromophenol
 Concen: 58.98 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093276.D
 Acq: 1 Mar 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-2

Tgt Ion:330 Resp: 88167
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 42.9 34.1 51.1

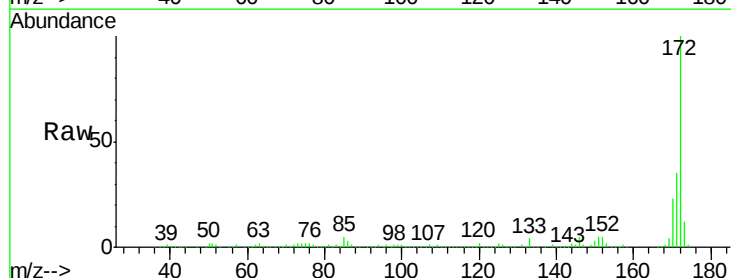


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

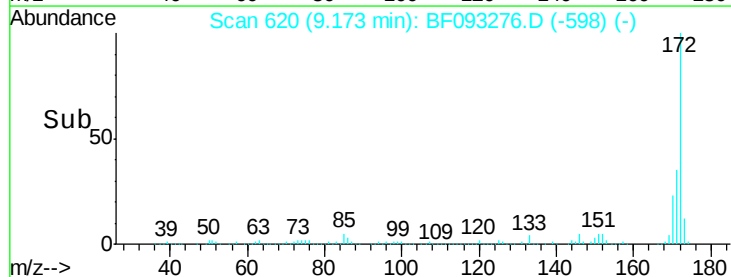
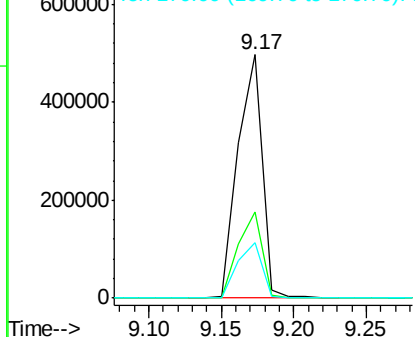


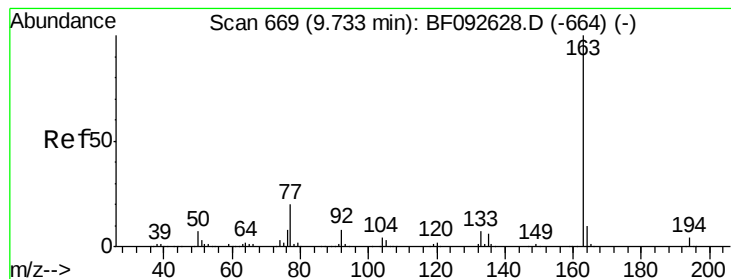
#44
 2-Fluorobiphenyl
 Concen: 50.58 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093276.D
 Acq: 1 Mar 2017 6:25

Tgt Ion:172 Resp: 577064
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.0
 170 23.0 20.2 30.4



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: 3.40 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

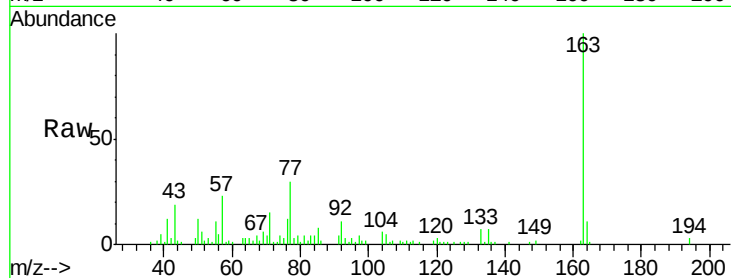
Tgt Ion:163 Resp: 47369

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

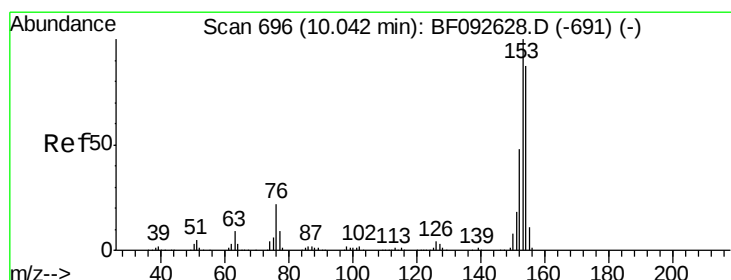
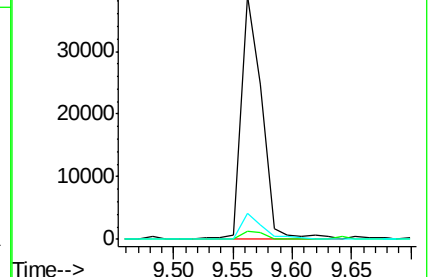
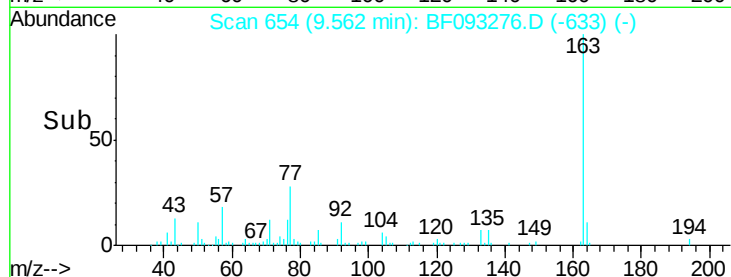
164 10.7 8.0 12.0



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



#51

Acenaphthene

Concen: 2.24 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

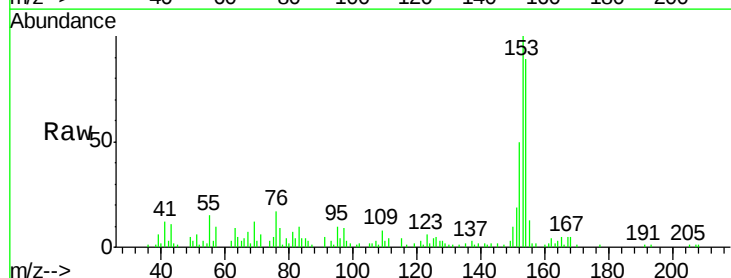
Tgt Ion:154 Resp: 27055

Ion Ratio Lower Upper

154 100

153 112.4 88.6 133.0

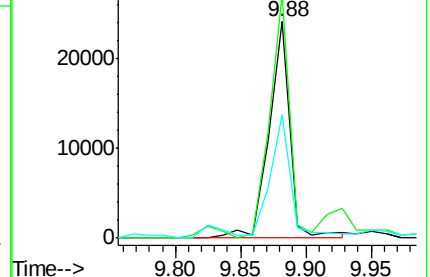
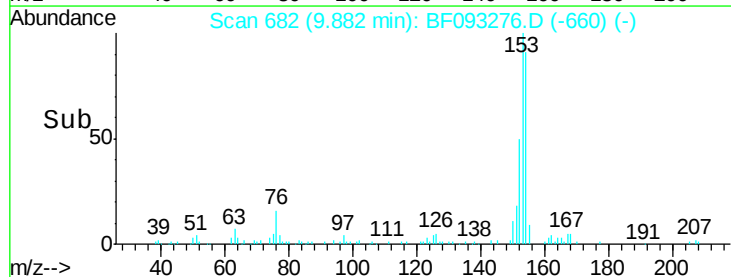
152 56.7 41.6 62.4

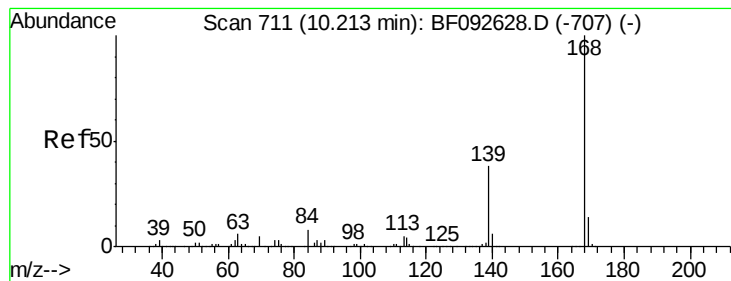


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.74 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

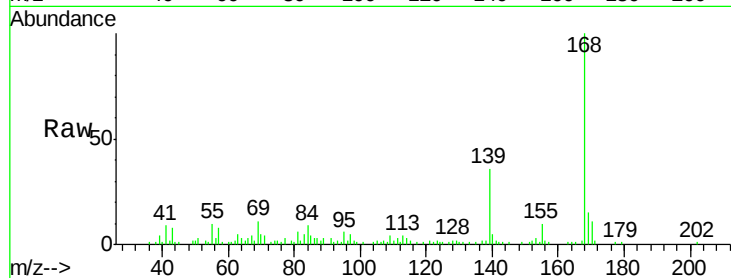
Tgt Ion:168 Resp: 44259

Ion Ratio Lower Upper

168 100

139 35.6 32.6 49.0

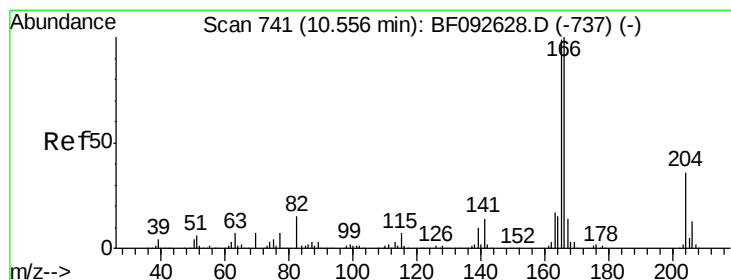
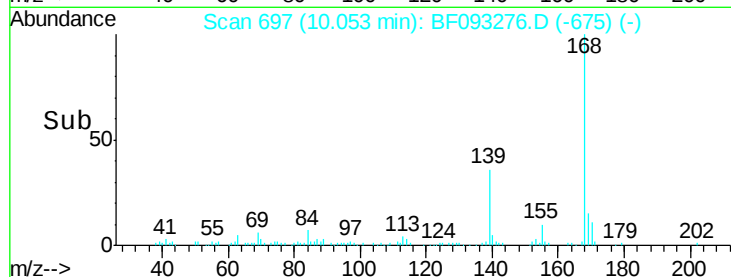
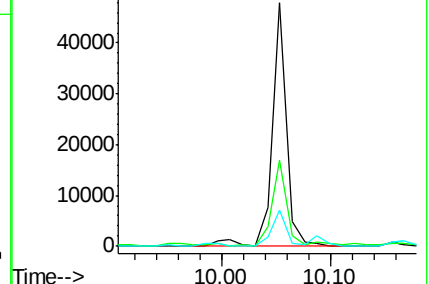
169 15.0 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.86 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

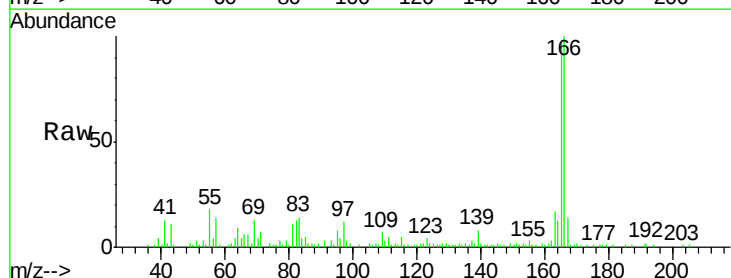
Tgt Ion:166 Resp: 48007

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.8

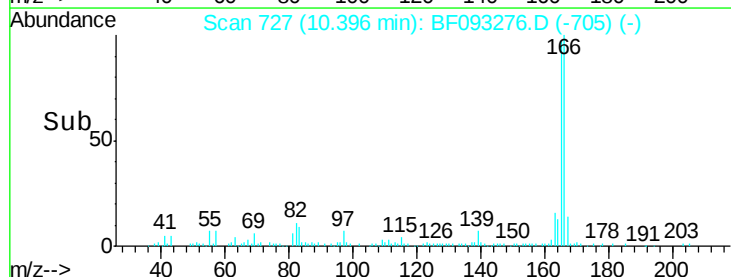
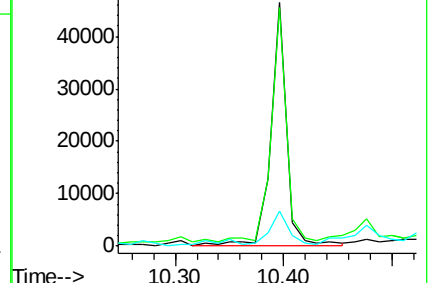
167 14.1 10.8 16.2

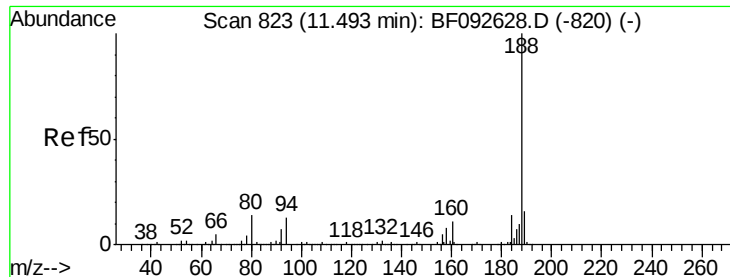


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

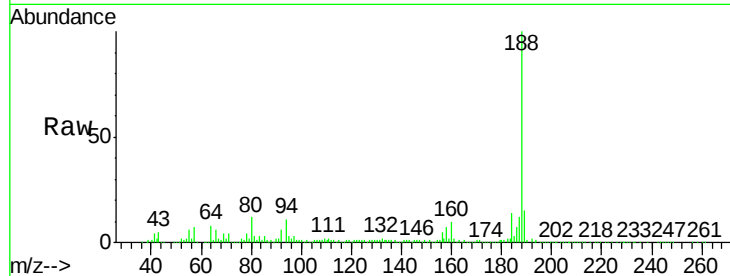
Tgt Ion:188 Resp: 327477

Ion Ratio Lower Upper

188 100

94 11.0 10.0 15.0

80 11.8 11.2 16.8

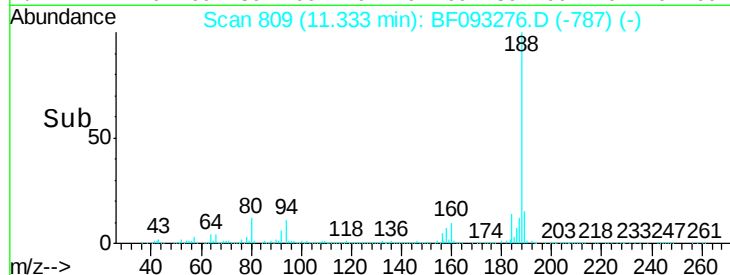


Abundance Ion 188.00 (187.70 to 188.70): E

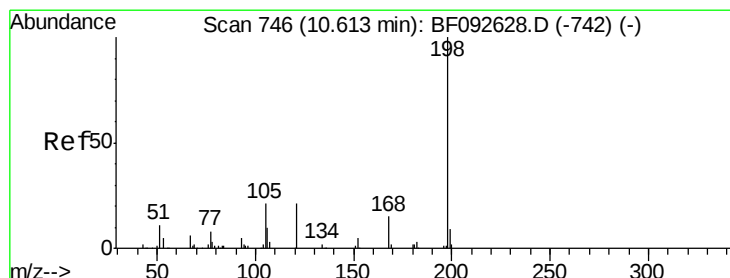
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time--> 11.25 11.30 11.35 11.40



Time--> 11.25 11.30 11.35 11.40



#64

4,6-Dinitro-2-methylphenol

Concen: 3.20 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

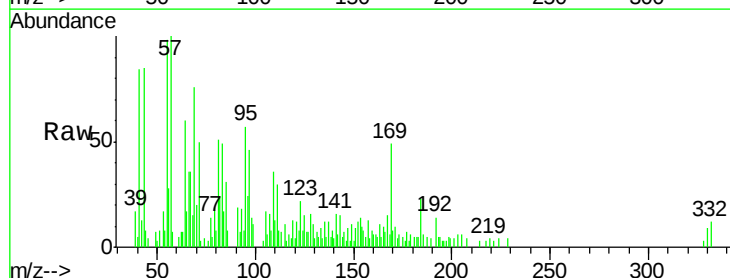
Tgt Ion:198 Resp: 1114

Ion Ratio Lower Upper

198 100

51 165.5 6.7 46.7#

105 363.0 16.6 56.6#

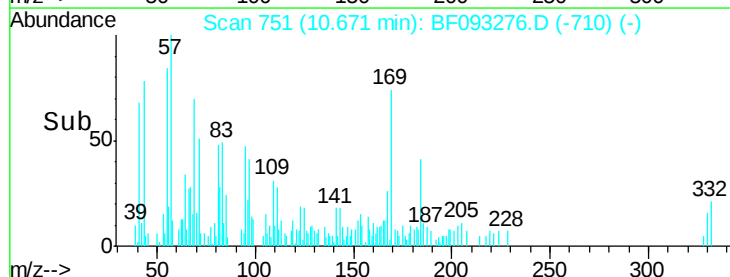


Abundance Ion 198.00 (197.70 to 198.70): E

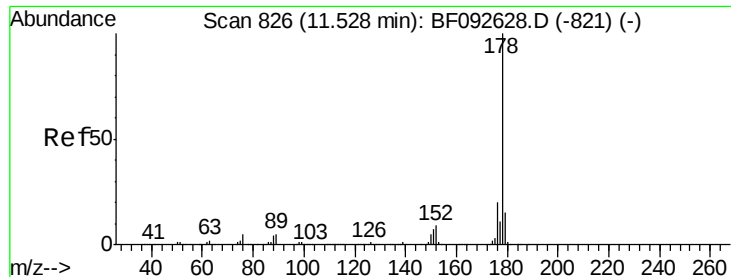
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

Time--> 10.60 10.65 10.70



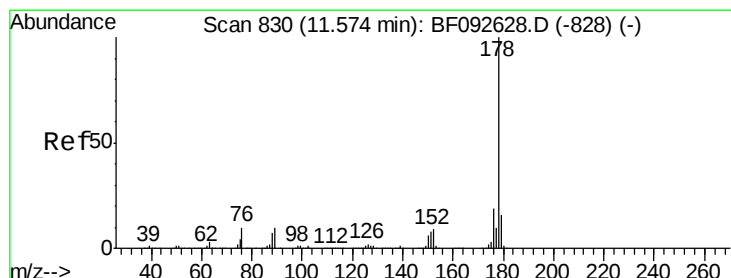
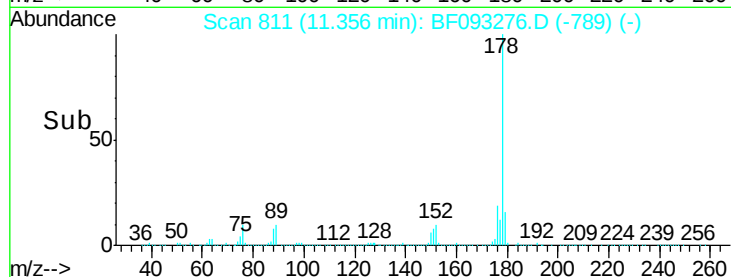
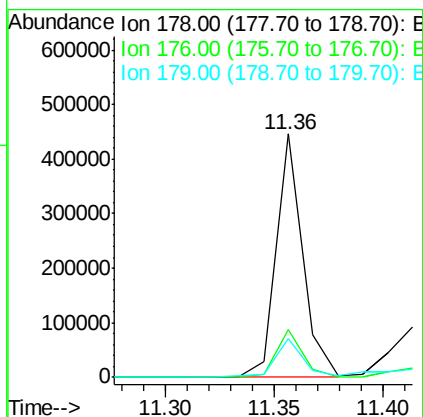
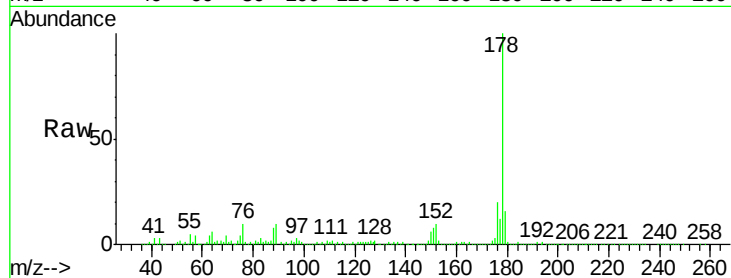
Time--> 10.60 10.65 10.70



#70
Phenanthrene
Concen: 20.24 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093276.D
Acq: 1 Mar 2017 6:25

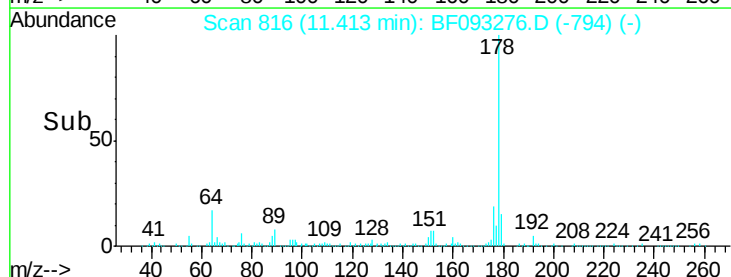
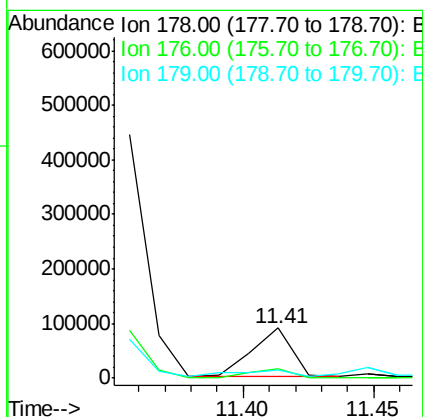
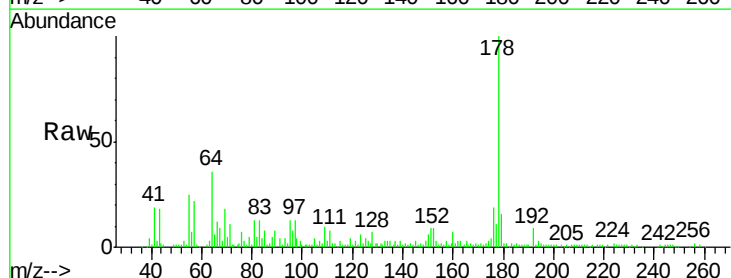
Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

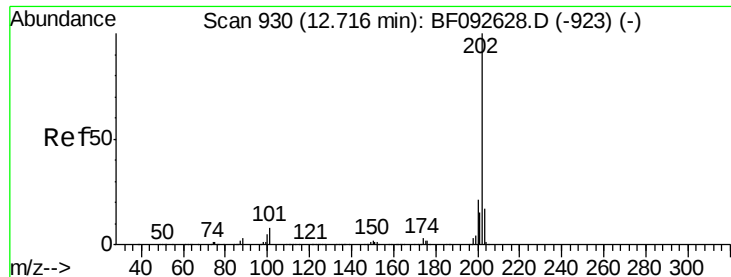
Tgt Ion:178 Resp: 379742
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 15.9 12.8 19.2



#71
Anthracene
Concen: 4.93 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093276.D
Acq: 1 Mar 2017 6:25

Tgt Ion:178 Resp: 92799
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 16.3 13.2 19.8





#74

Fluoranthene

Concen: 25.52 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

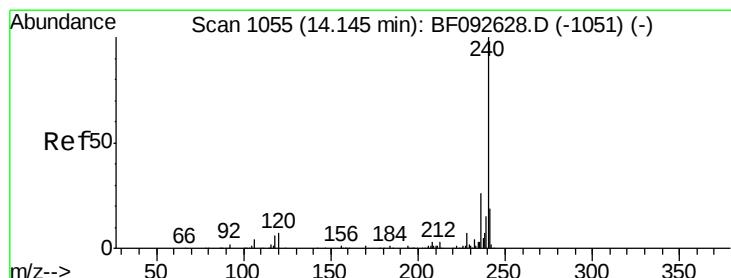
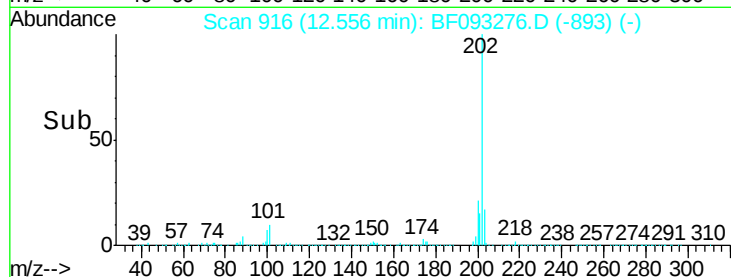
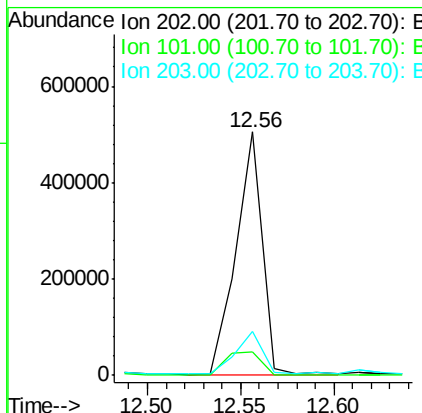
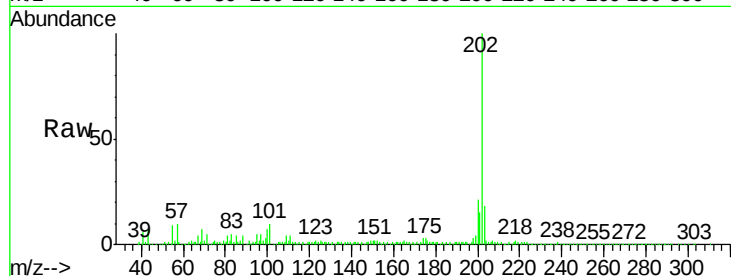
Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

Tgt Ion:	202	Resp:	493827
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.6
203	18.1	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

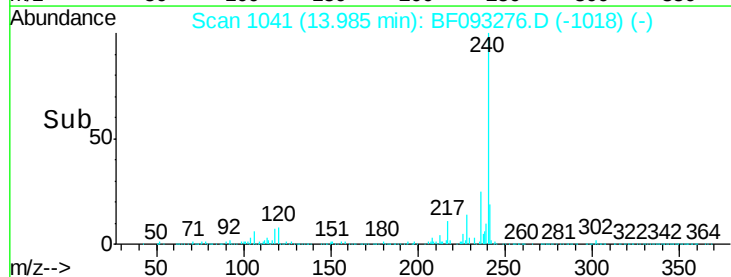
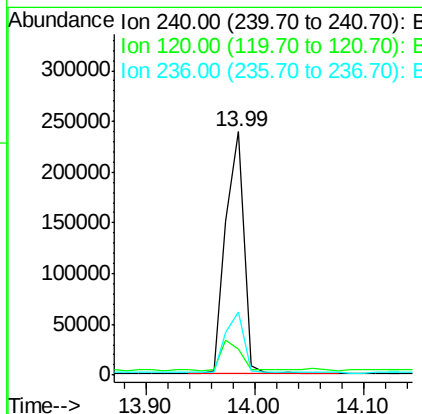
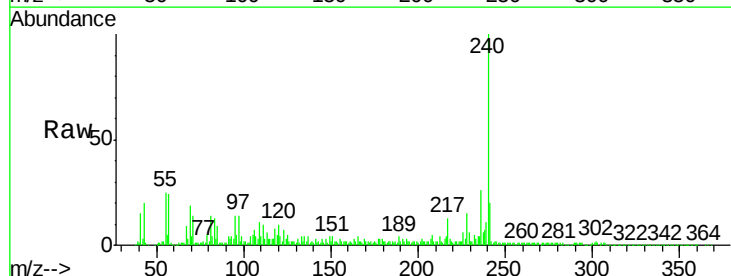
RT: 13.99 min Scan# 1041

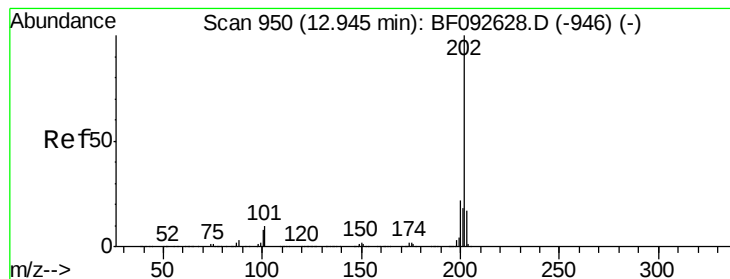
Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Tgt Ion:	240	Resp:	277029
Ion	Ratio	Lower	Upper
240	100		
120	10.4	12.9	19.3#
236	26.0	20.9	31.3





#77

Pyrene

Concen: 22.24 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

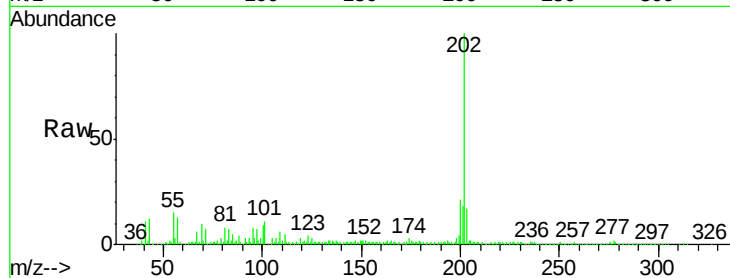
Tgt Ion:202 Resp: 461026

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

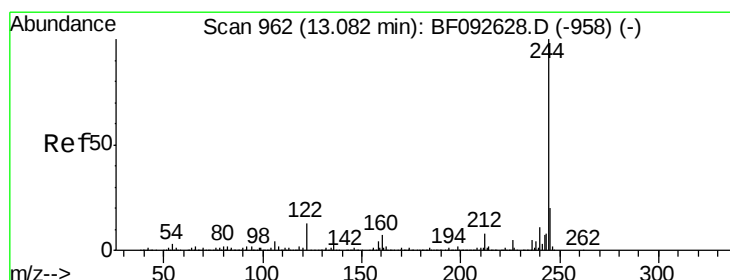
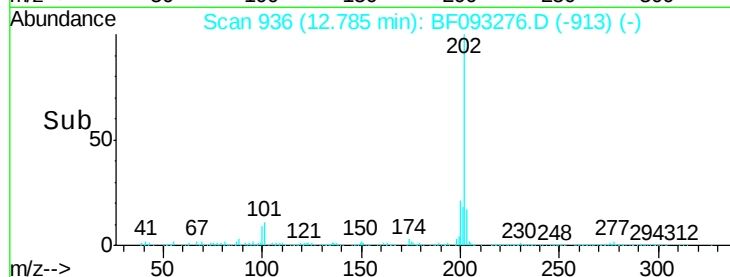
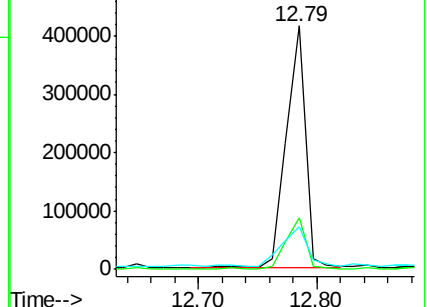
203 17.5 14.7 22.1



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: 34.89 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

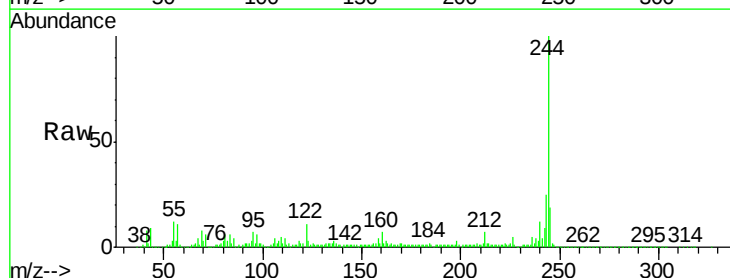
Tgt Ion:244 Resp: 411336

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

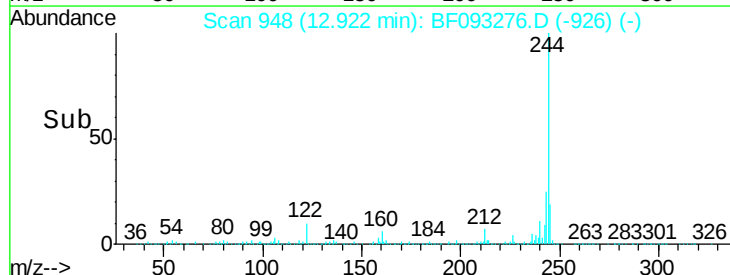
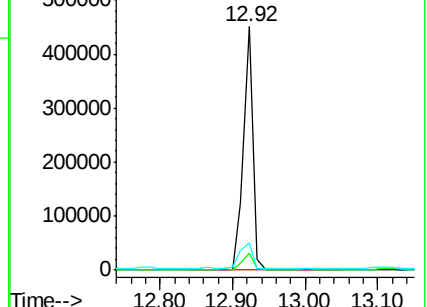
122 11.1 11.4 17.2#

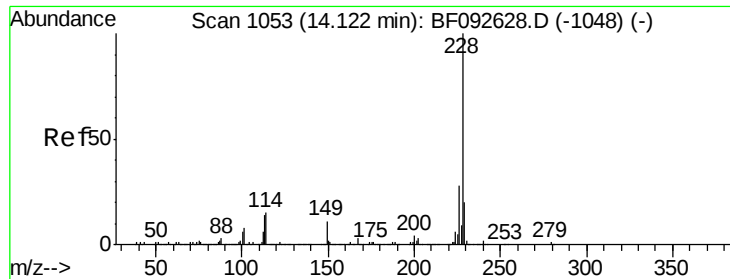


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.69 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

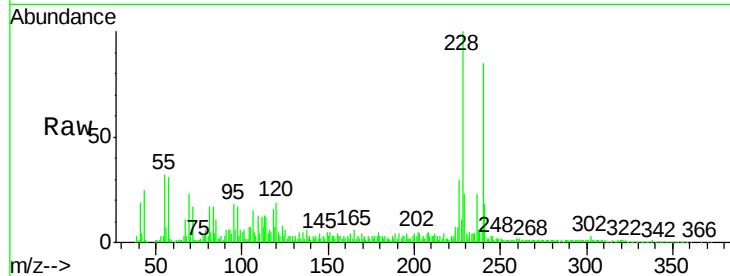
Tgt Ion:228 Resp: 215074

Ion Ratio Lower Upper

228 100

226 30.0 22.4 33.6

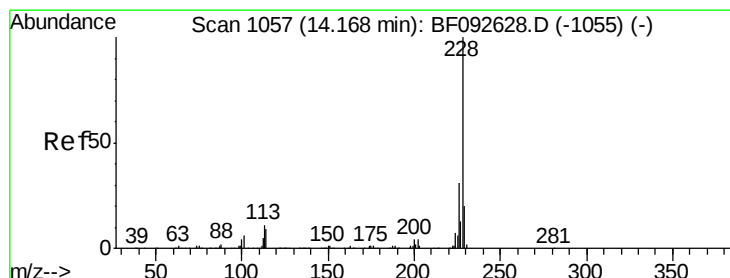
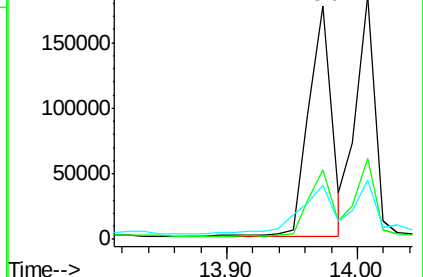
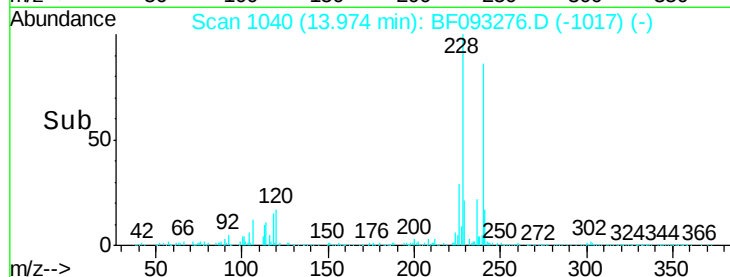
229 23.3 16.2 24.4



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



#82

Chrysene

Concen: 13.56 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

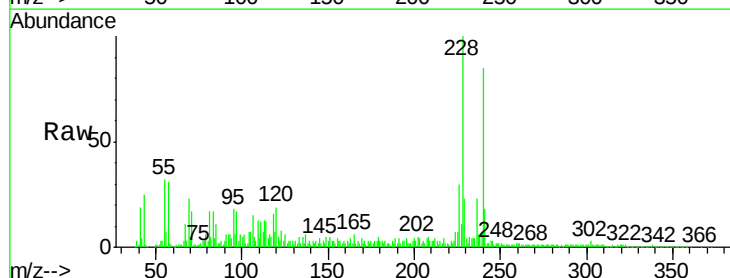
Tgt Ion:228 Resp: 215074

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

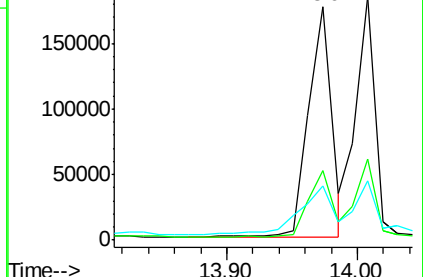
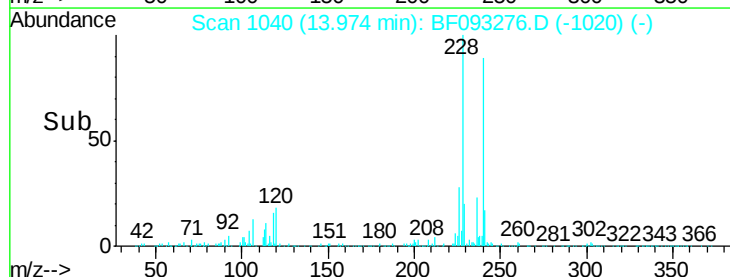
229 23.3 16.2 24.2

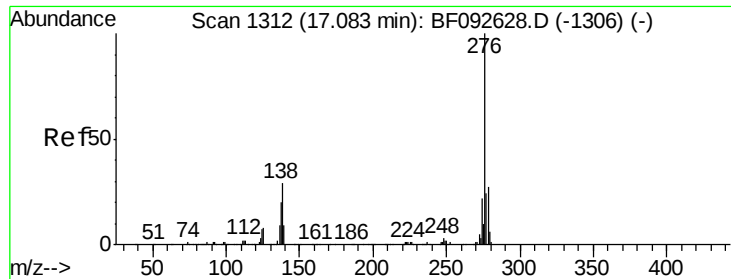


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

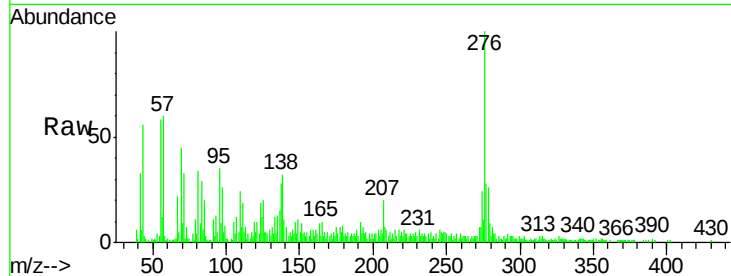




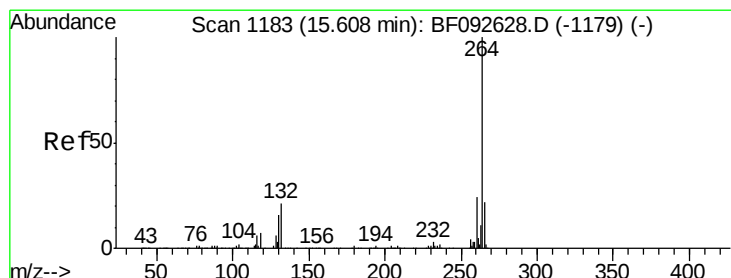
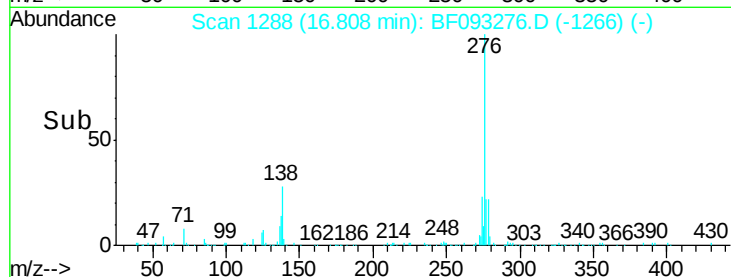
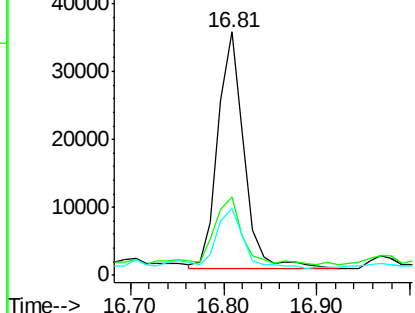
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.49 ng
 RT: 16.81 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BF093276.D
 Acq: 1 Mar 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-2

Tgt Ion:276 Resp: 67459
 Ion Ratio Lower Upper
 276 100
 138 31.4 21.8 32.6
 277 26.3 20.2 30.4

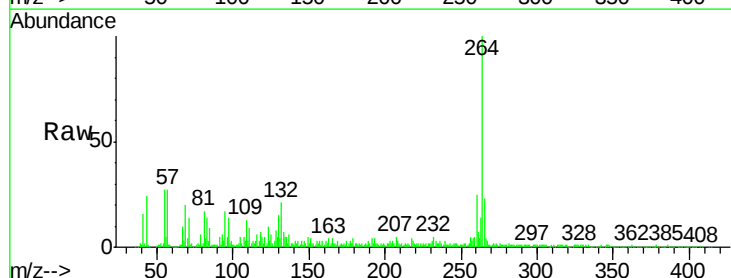


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

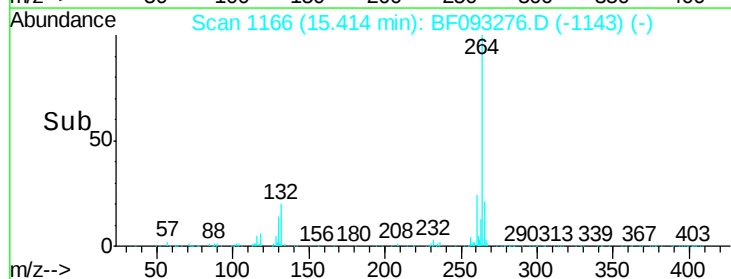
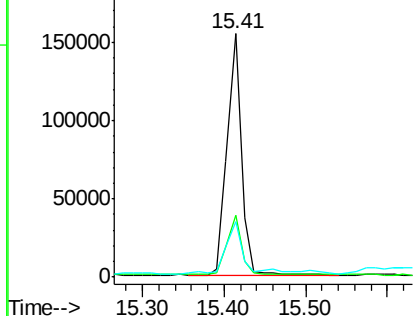


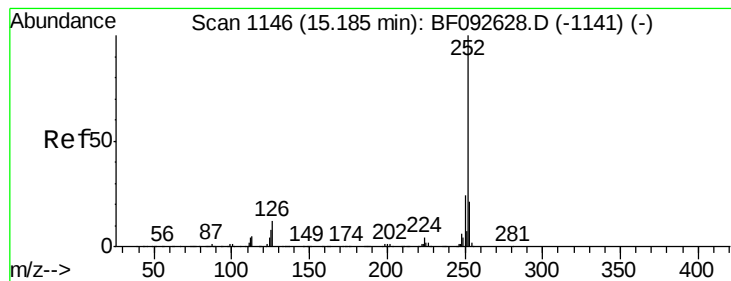
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: BF093276.D
 Acq: 1 Mar 2017 6:25

Tgt Ion:264 Resp: 189952
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 22.9 17.4 26.0



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: 18.89 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

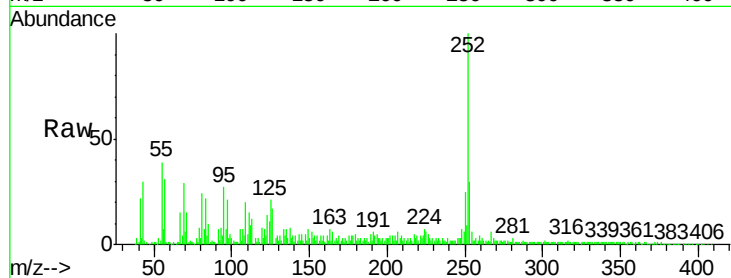
Tgt Ion:252 Resp: 236135

Ion Ratio Lower Upper

252 100

253 30.3 18.2 27.4#

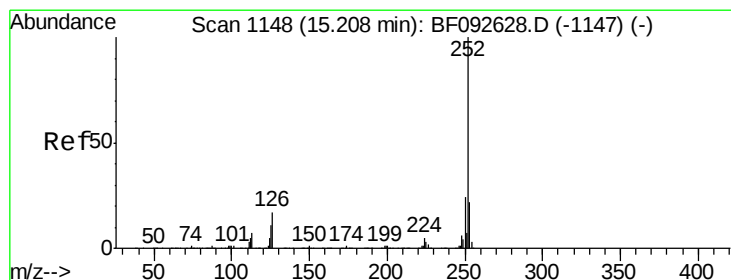
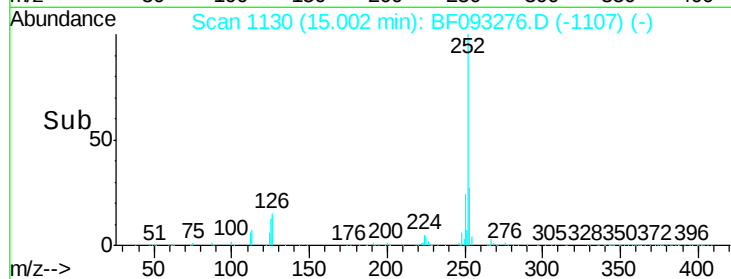
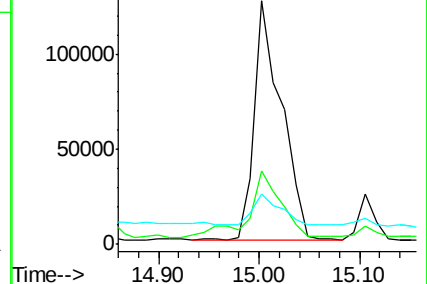
125 20.9 9.8 14.6#



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



#88

Benzo(k)fluoranthene

Concen: 21.87 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

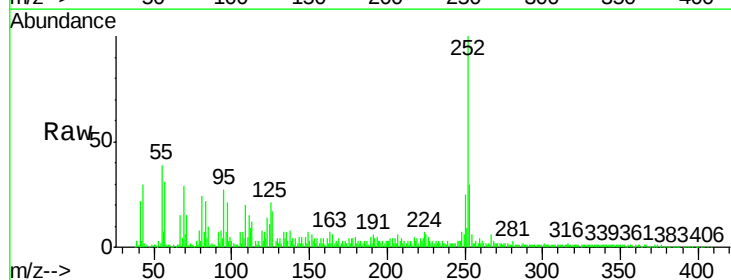
Tgt Ion:252 Resp: 236135

Ion Ratio Lower Upper

252 100

253 30.3 18.5 27.7#

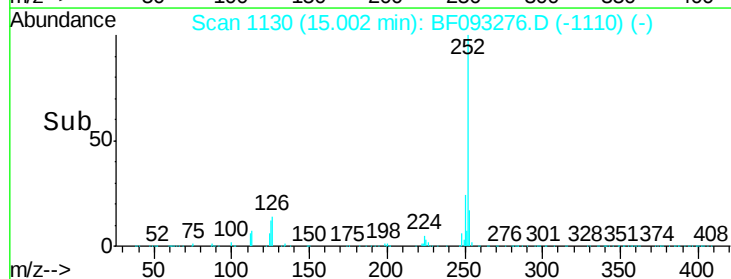
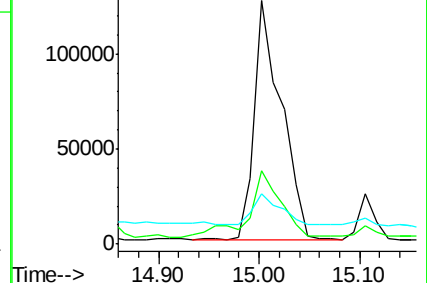
125 20.9 8.9 13.3#

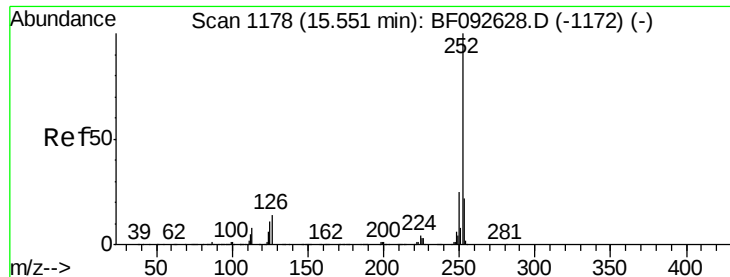


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.98 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2

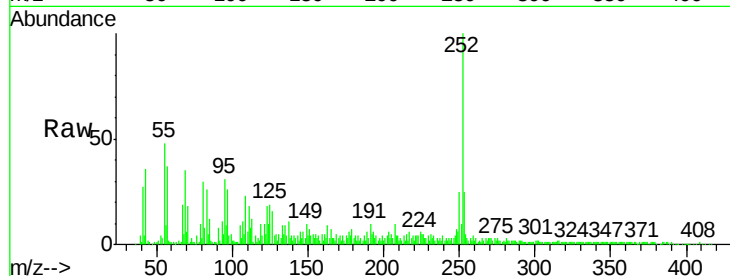
Tgt Ion: 252 Resp: 118727

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

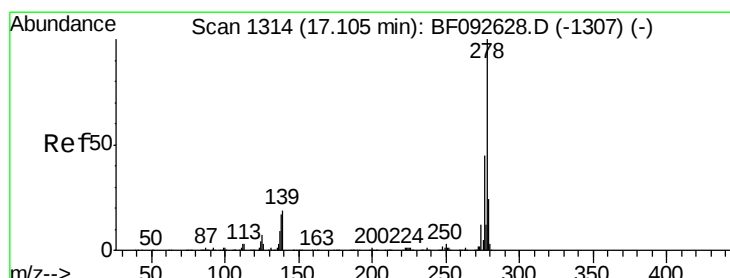
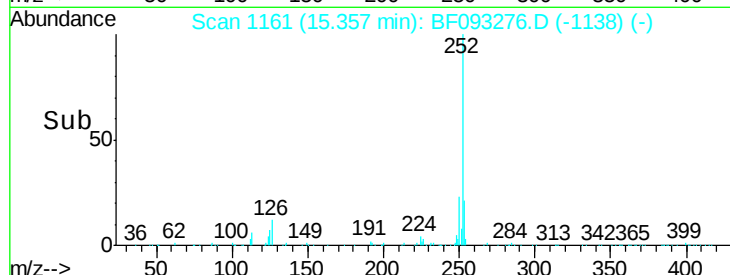
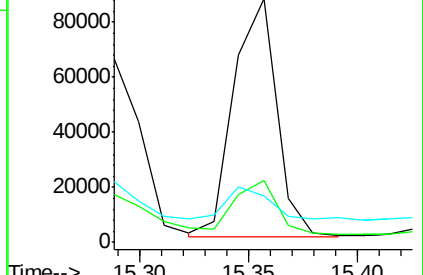
125 19.2 10.0 15.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.07 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.06 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

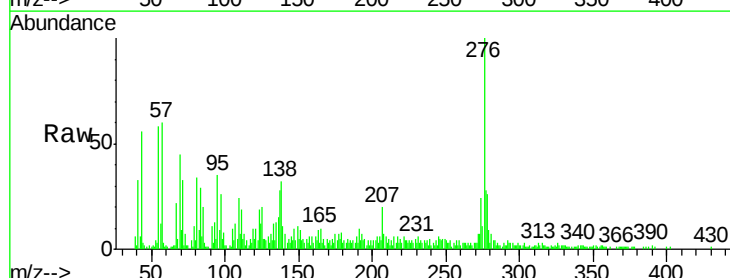
Tgt Ion: 278 Resp: 18092

Ion Ratio Lower Upper

278 100

139 43.1 14.8 22.2#

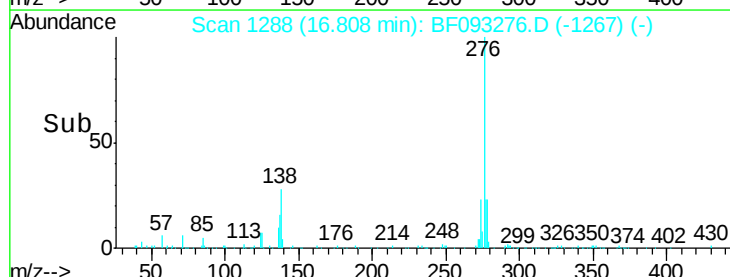
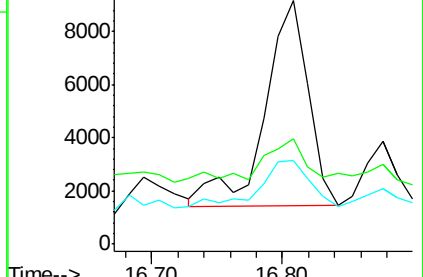
279 34.5 19.8 29.6#

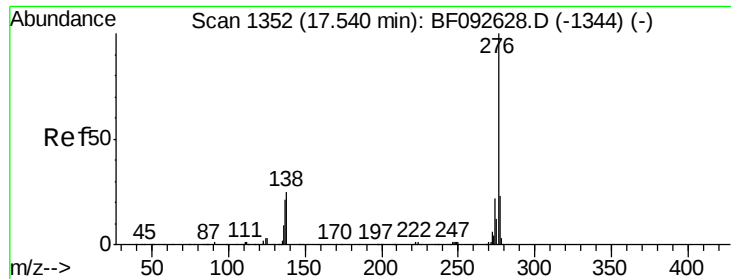


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 7.67 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF093276.D

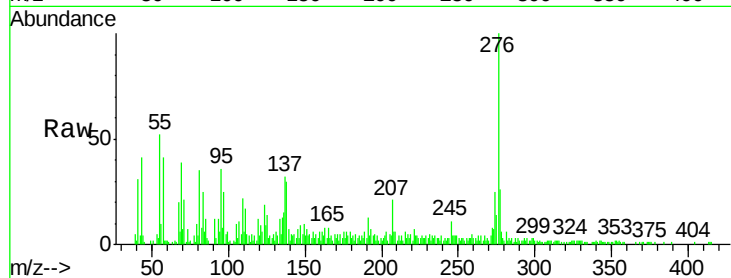
Acq: 1 Mar 2017 6:25

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-2



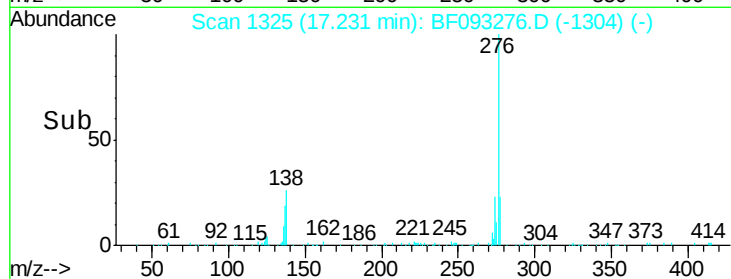
Tgt Ion: 276 Resp: 67682

Ion Ratio Lower Upper

276 100

277 25.8 19.2 28.8

138 30.3 16.0 24.0#



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

