

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083899.D
 Acq On : 18 Dec 2015 6:12
 Operator : UM/SJ
 Sample : G4739-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

Quant Time: Dec 18 06:47:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	66394	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	238819	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	108687	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	167014	20.00	ng	0.01
75) Chrysene-d12	14.04	240	121274	20.00	ng	0.01
86) Perylene-d12	15.48	264	110160	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	395238	93.16	ng	0.01
7) Phenol-d6	6.52	99	559555	107.75	ng	0.01
23) Nitrobenzene-d5	7.44	82	297734	71.15	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	115412	96.39	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	547703	68.64	ng	0.00
78) Terphenyl-d14	12.99	244	317508	59.32	ng	0.01

Target Compounds

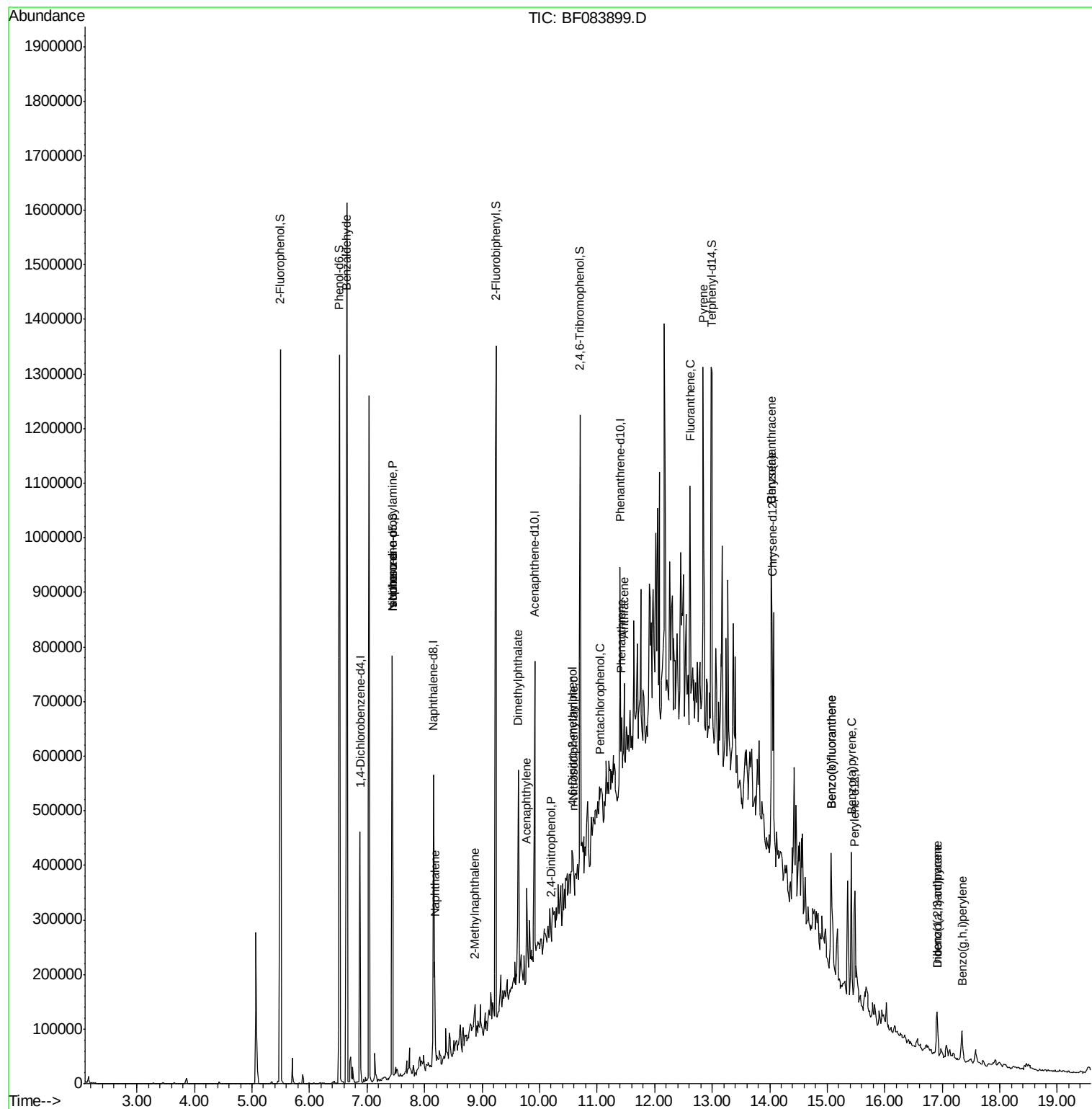
						Qvalue
9) Benzaldehyde	6.65	77	10995	3.51	ng	85
19) n-Nitroso-di-n-propylamine	7.44	70	42207	13.94	ng	# 76
25) Isophorone	7.44	82	260757	33.12	ng	# 66
31) Naphthalene	8.18	128	73952	4.15	ng	100
36) 4-Chloro-3-methylphenol	8.70	107	1322	Below	Cal	# 20
37) 2-Methylnaphthalene	8.88	142	19739	2.38	ng	98
45) 1,1'-Biphenyl	9.33	154	5161	Below	Cal	95
46) 2-Chloronaphthalene	9.40	162	234	Below	Cal	# 1
48) Acenaphthylene	9.77	152	96828	7.64	ng	98
49) Dimethylphthalate	9.63	163	125708	13.78	ng	# 99
53) 2,4-Dinitrophenol	10.20	184	306	10.67	ng	# 73
57) Fluorene	10.46	166	14238	Below	Cal	# 69
64) 4,6-Dinitro-2-methylphenol	10.57	198	461	4.34	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	19788	3.26	ng	# 62
69) Pentachlorophenol	11.05	266	266	4.99	ng	# 18
70) Phenanthrene	11.43	178	46651	4.62	ng	# 92
71) Anthracene	11.47	178	69968	7.17	ng	# 94
74) Fluoranthene	12.61	202	136540	13.56	ng	96
77) Pyrene	12.84	202	334242	43.44	ng	98
80) Benzo(a)anthracene	14.03	228	173121	23.22	ng	# 77
82) Chrysene	14.03	228	173121	24.04	ng	# 82
85) Indeno(1,2,3-cd)pyrene	16.91	276	44997	8.35	ng	97
87) Benzo(b)fluoranthene	15.07	252	183471	22.84	ng	# 95
88) Benzo(k)fluoranthene	15.07	252	183471	27.69	ng	98
89) Benzo(a)pyrene	15.43	252	153085	23.08	ng	99
90) Dibenzo(a,h)anthracene	16.91	278	15062	2.92	ng	# 82
91) Benzo(g,h,i)perylene	17.35	276	49999	9.89	ng	97

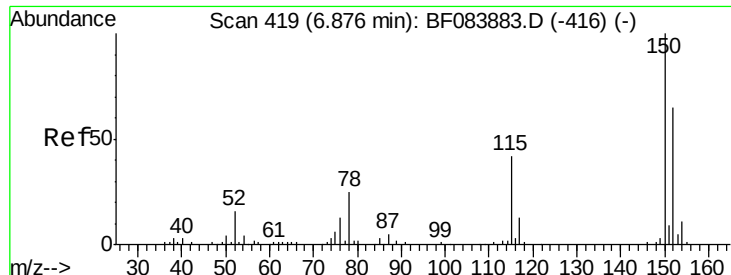
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

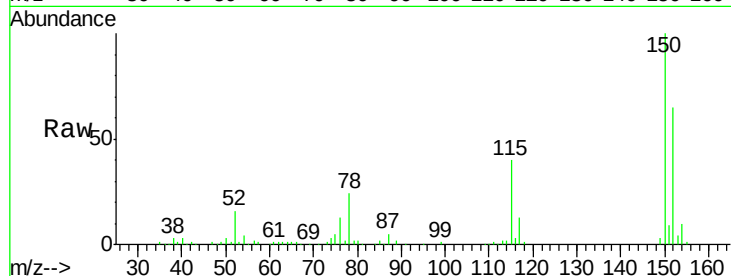
Tgt Ion:152 Resp: 66394

Ion Ratio Lower Upper

152 100

150 153.7 123.0 184.4

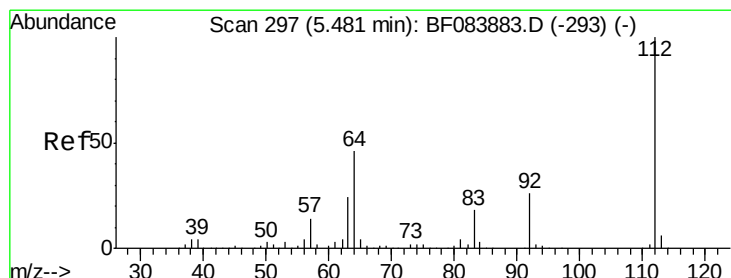
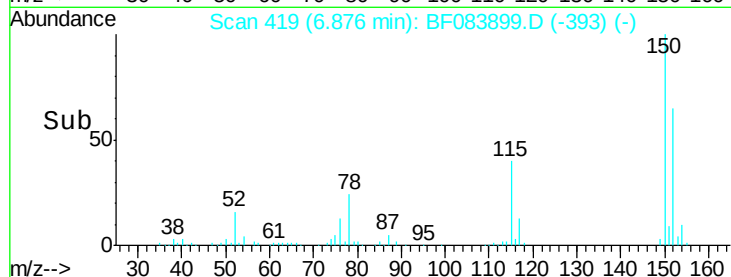
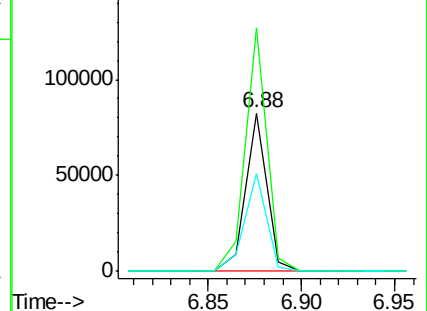
115 61.3 51.4 77.2



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: 93.16 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

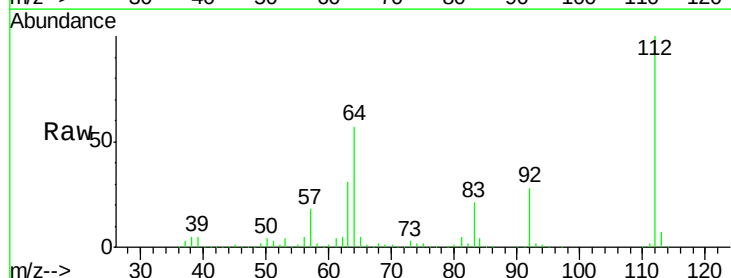
Tgt Ion:112 Resp: 395238

Ion Ratio Lower Upper

112 100

64 56.9 36.6 55.0#

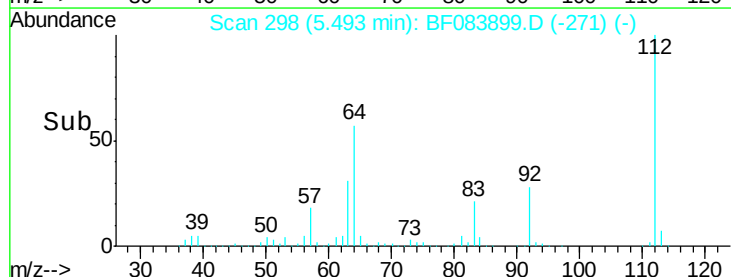
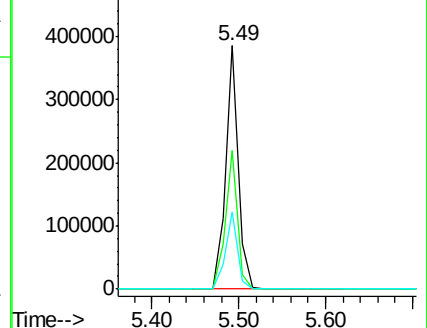
63 31.5 19.4 29.0#

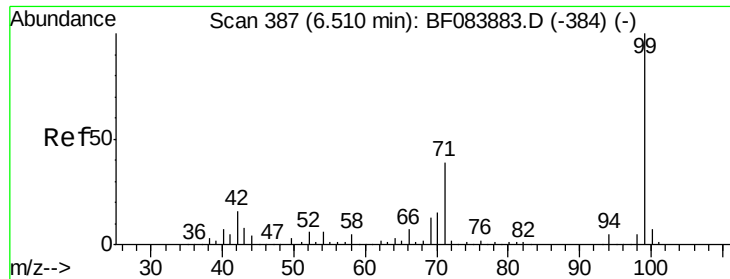


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.75 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

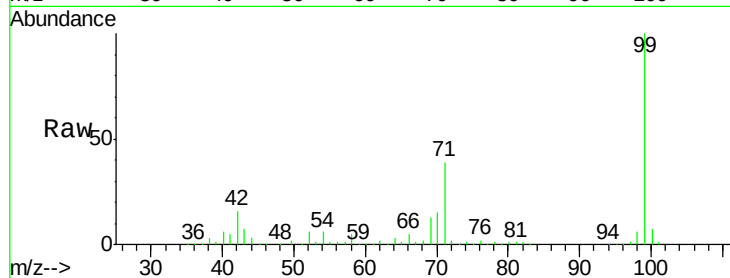
Tgt Ion: 99 Resp: 559555

Ion Ratio Lower Upper

99 100

42 15.5 12.8 19.2

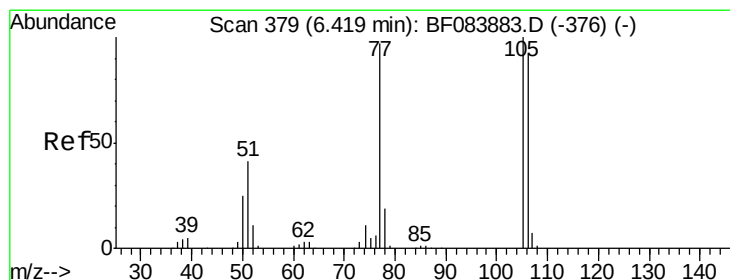
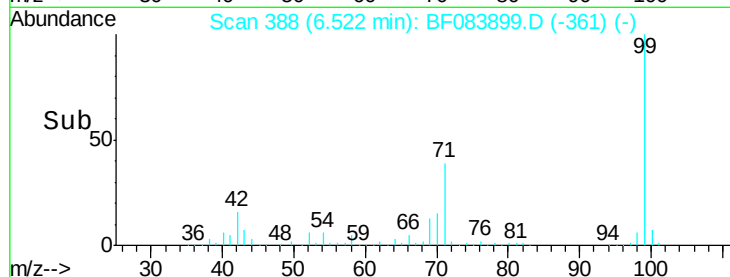
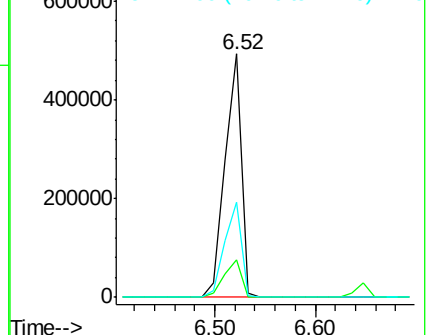
71 39.0 30.9 46.3



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



#9

Benzaldehyde

Concen: 3.51 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

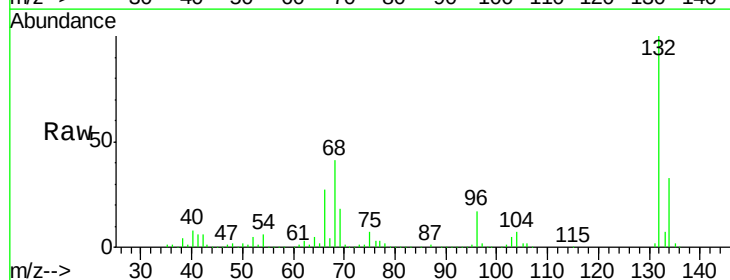
Tgt Ion: 77 Resp: 10995

Ion Ratio Lower Upper

77 100

105 86.0 83.0 123.0

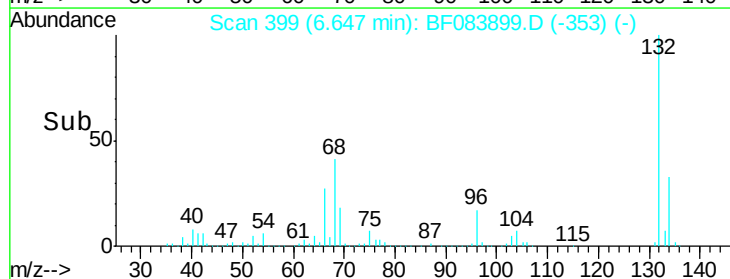
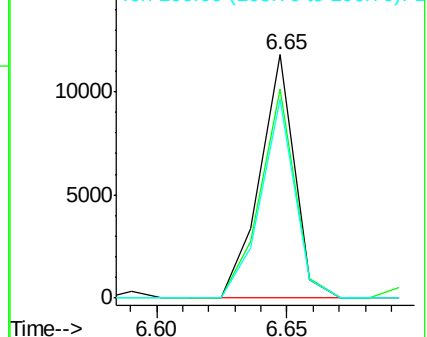
106 81.7 74.6 114.6

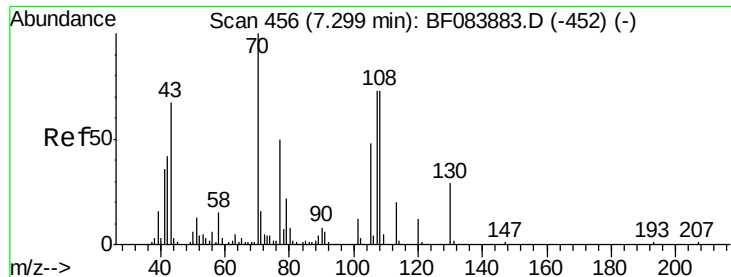


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.94 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

Tgt Ion: 70 Resp: 42207

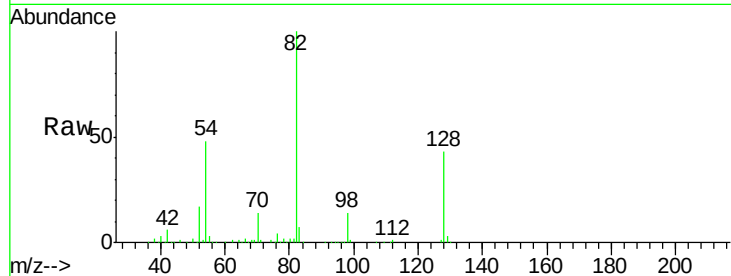
Ion Ratio Lower Upper

70 100

42 44.3 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

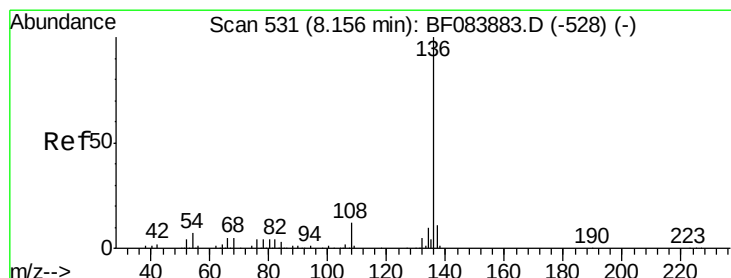
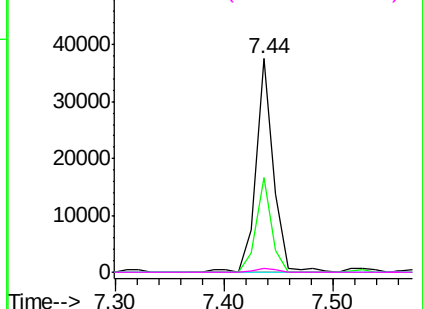
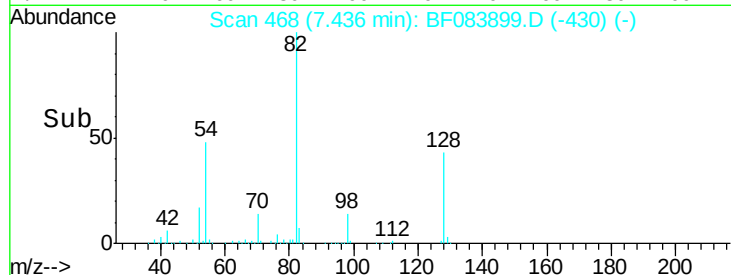


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion: 136 Resp: 238819

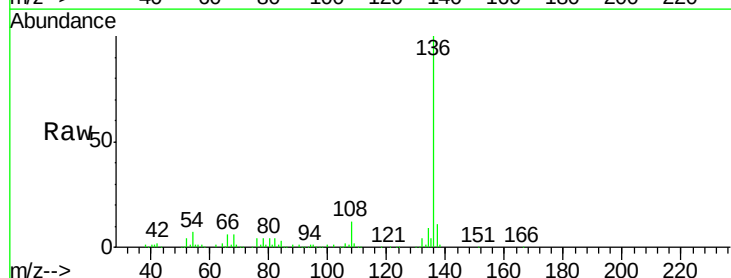
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.0 5.8 8.8

68 5.5 4.2 6.2

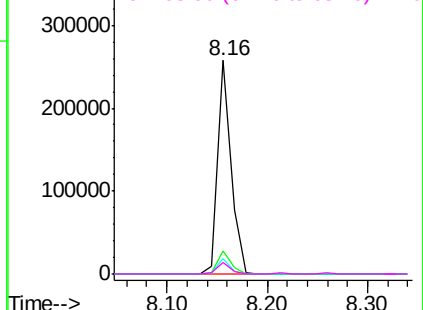
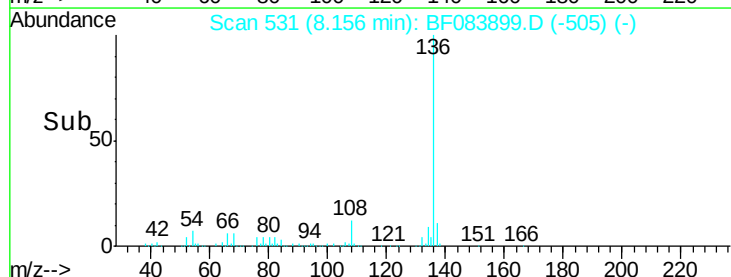


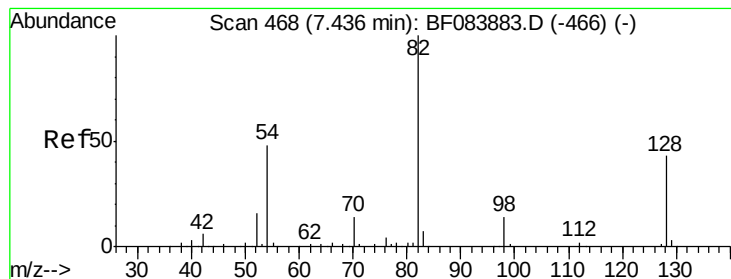
Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.15 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

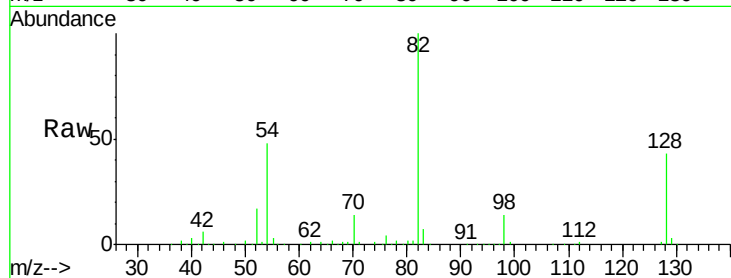
Tgt Ion: 82 Resp: 297734

Ion Ratio Lower Upper

82 100

128 42.8 34.6 51.8

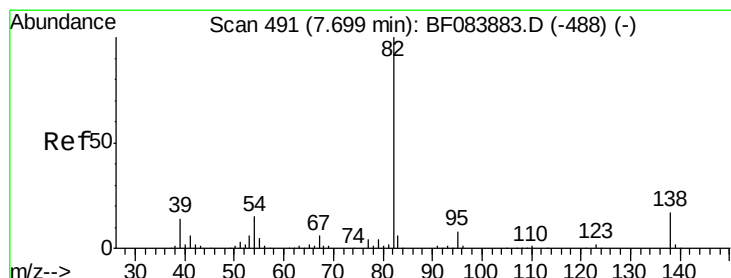
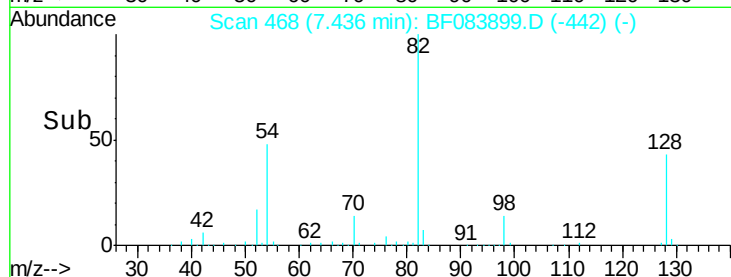
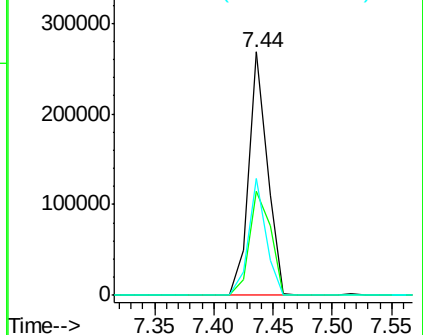
54 48.2 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 33.12 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.26 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

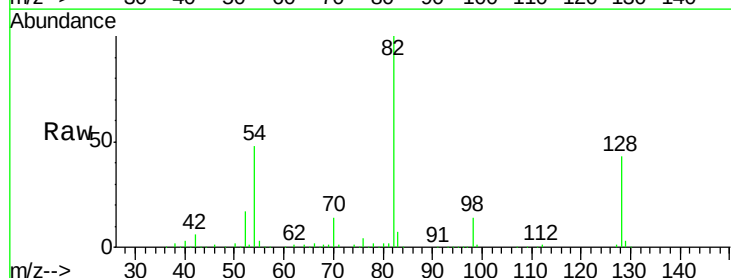
Tgt Ion: 82 Resp: 260757

Ion Ratio Lower Upper

82 100

95 0.3 6.6 10.0#

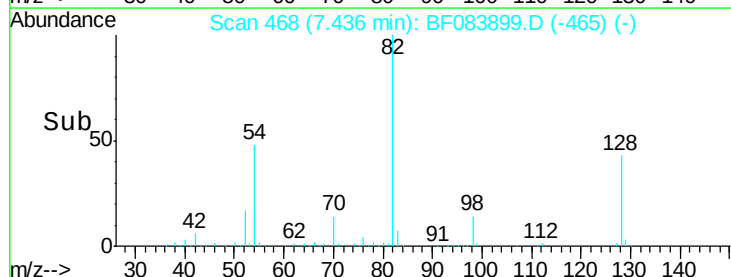
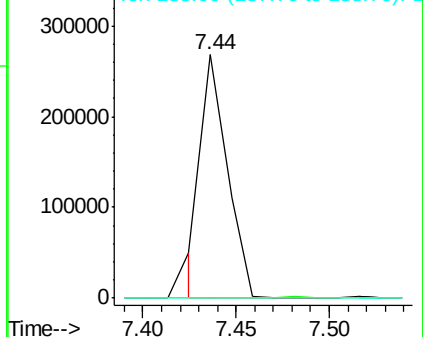
138 0.0 13.6 20.4#

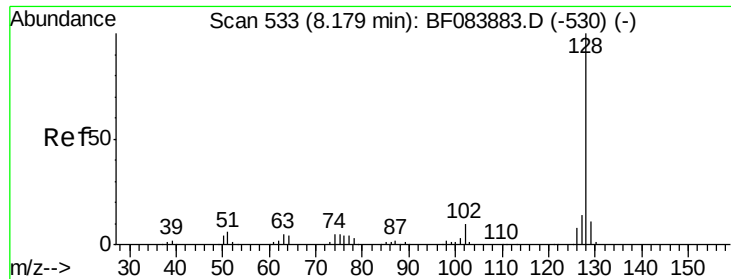


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

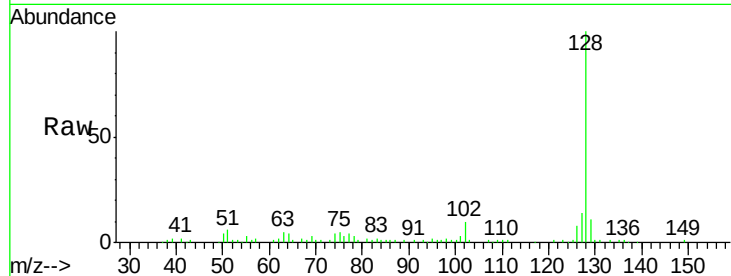




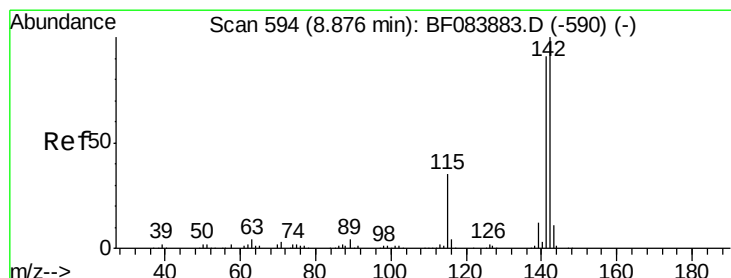
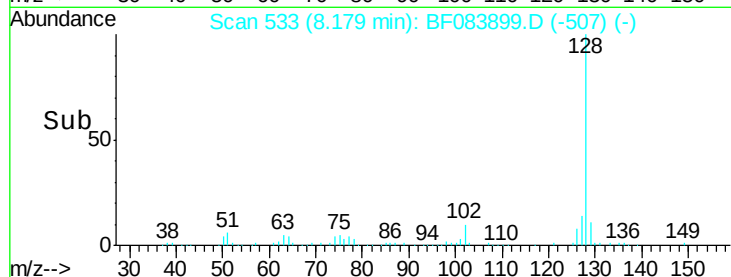
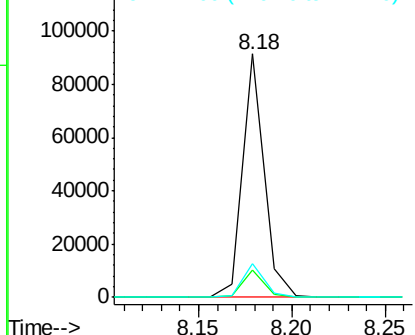
#31
Naphthalene
Concen: 4.15 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Instrument :
BNA_F
ClientSampleId :
K201-27-28

Tgt Ion:128 Resp: 73952
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.9 11.1 16.7

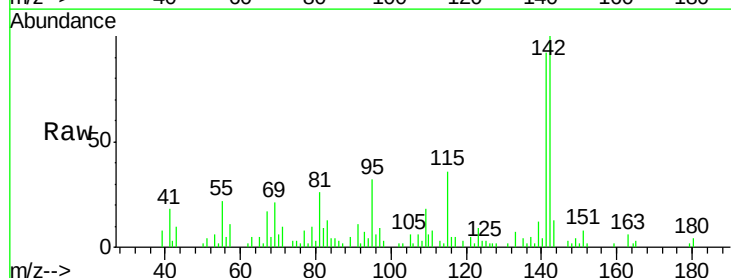


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

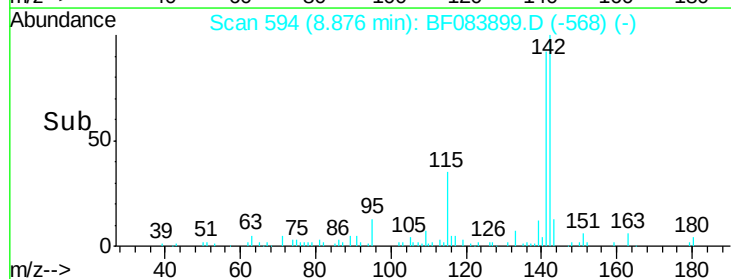
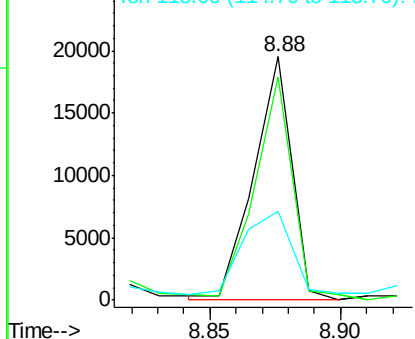


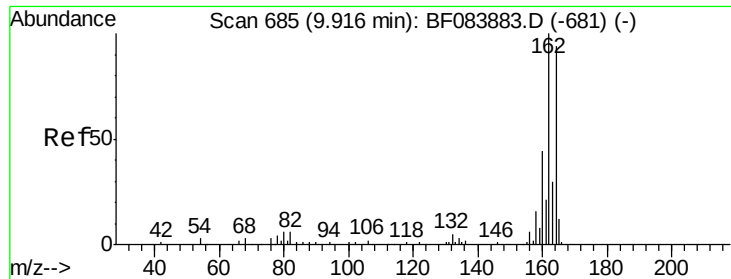
#37
2-Methylnaphthalene
Concen: 2.38 ng
RT: 8.88 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Tgt Ion:142 Resp: 19739
Ion Ratio Lower Upper
142 100
141 91.7 72.4 108.6
115 36.3 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

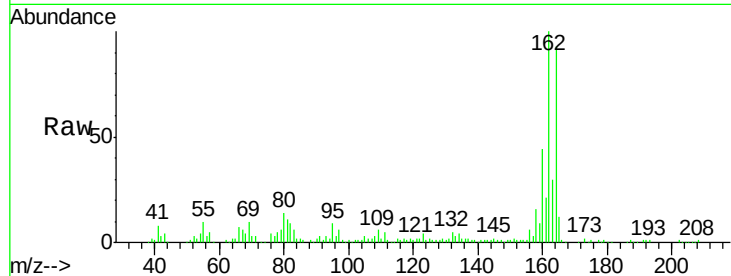
Tgt Ion:164 Resp: 108687

Ion Ratio Lower Upper

164 100

162 107.7 85.1 127.7

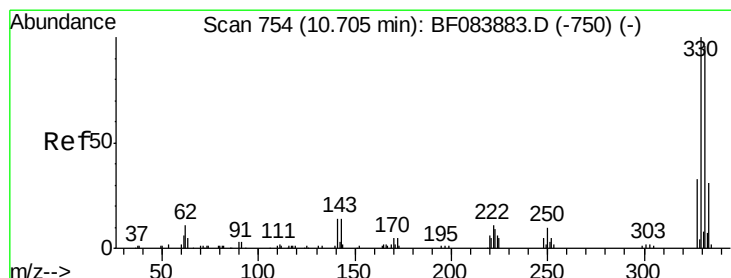
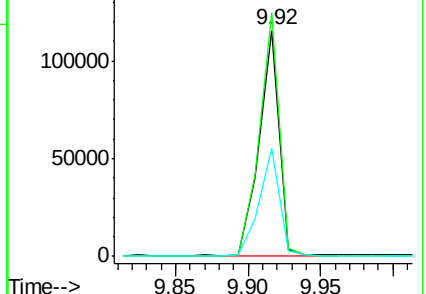
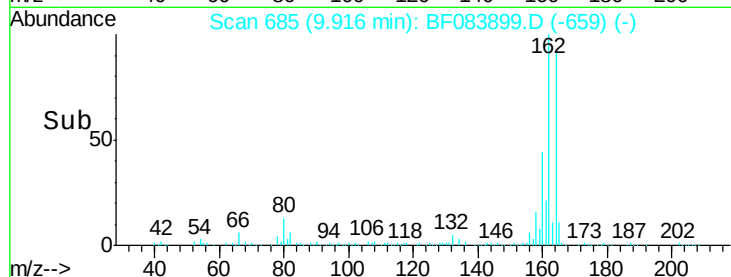
160 47.7 37.5 56.3



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: 96.39 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

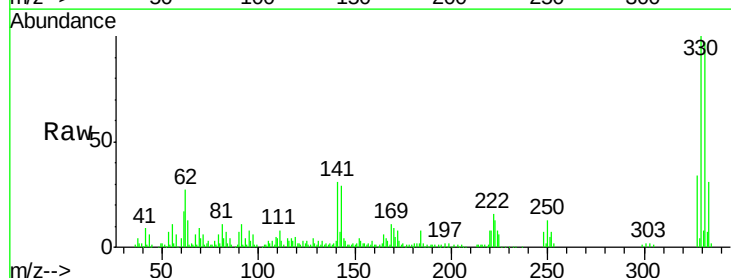
Tgt Ion:330 Resp: 115412

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

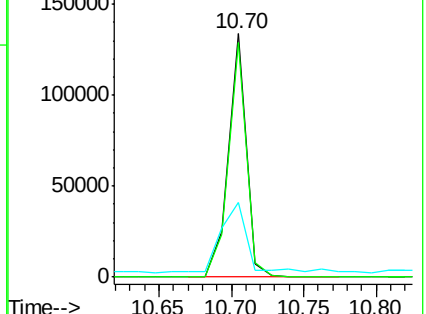
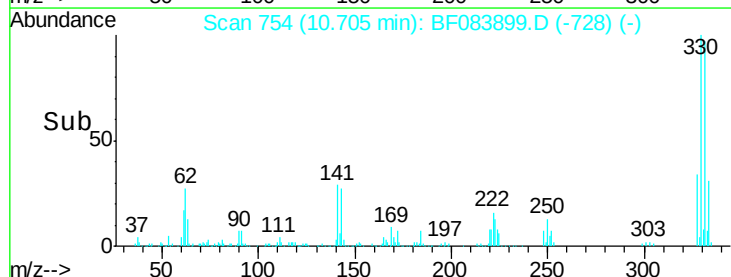
141 39.6 27.8 41.6

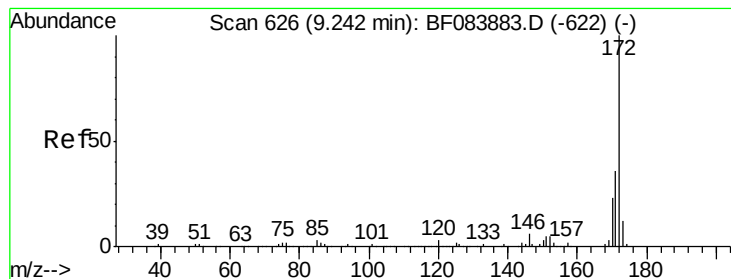


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

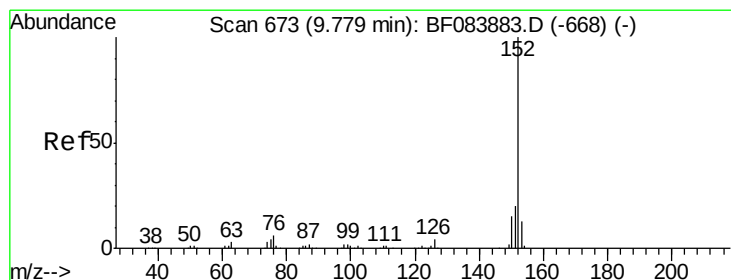
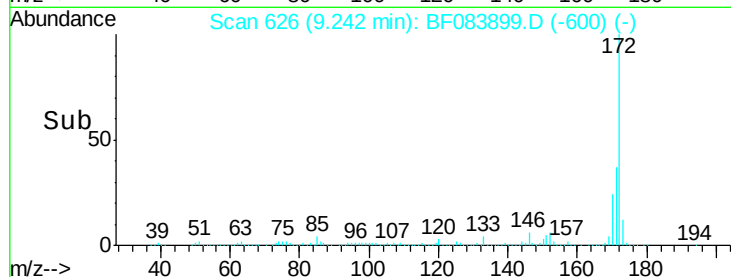
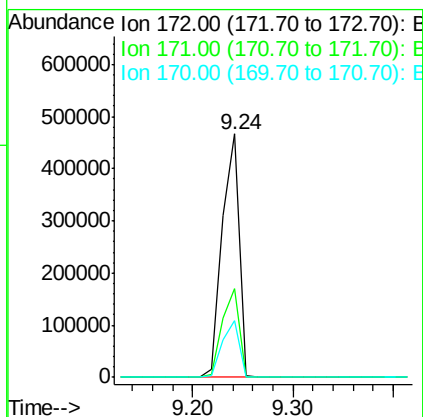
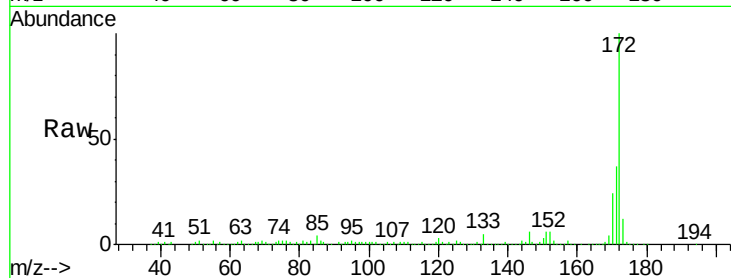




#44
 2-Fluorobiphenyl
 Concen: 68.64 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

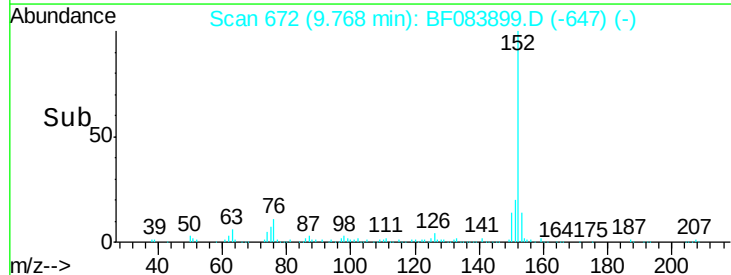
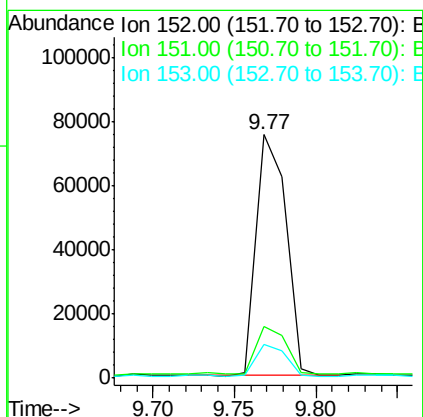
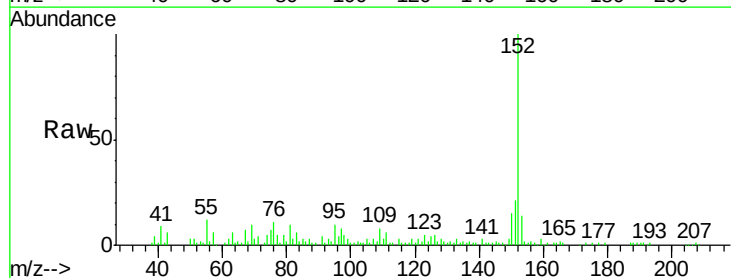
Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

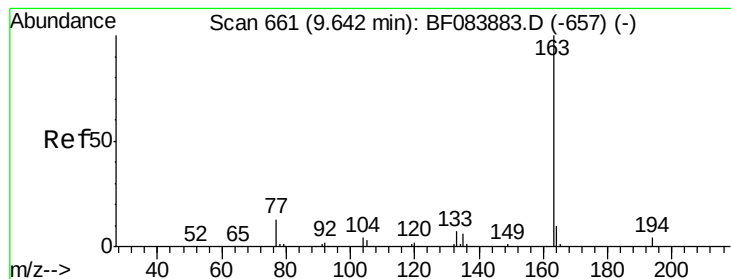
Tgt Ion:172 Resp: 547703
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.9 43.3
 170 23.6 18.6 27.8



#48
 Acenaphthylene
 Concen: 7.64 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Tgt Ion:152 Resp: 96828
 Ion Ratio Lower Upper
 152 100
 151 21.3 16.3 24.5
 153 14.0 10.4 15.6





#49

Dimethylphthalate

Concen: 13.78 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

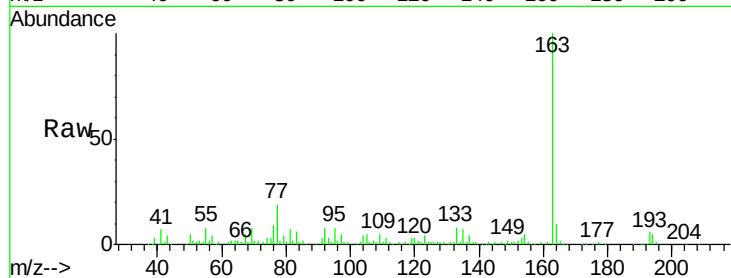
Tgt Ion:163 Resp: 125708

Ion Ratio Lower Upper

163 100

194 4.8 3.0 4.6#

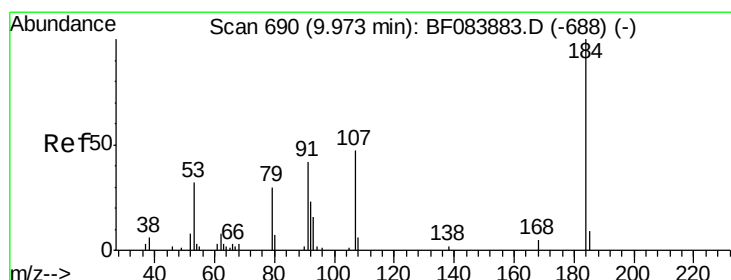
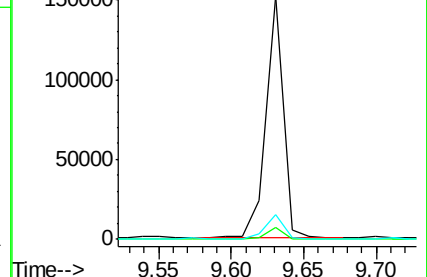
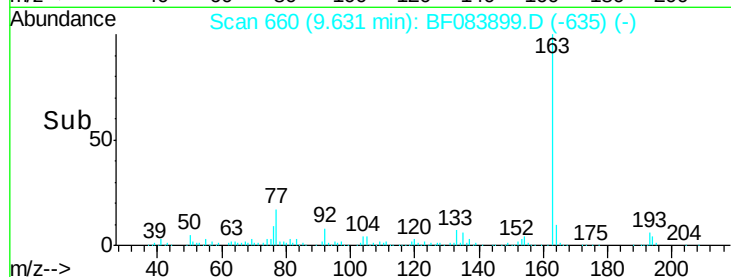
164 10.1 7.9 11.9



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



#53

2,4-Dinitrophenol

Concen: 10.67 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.23 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

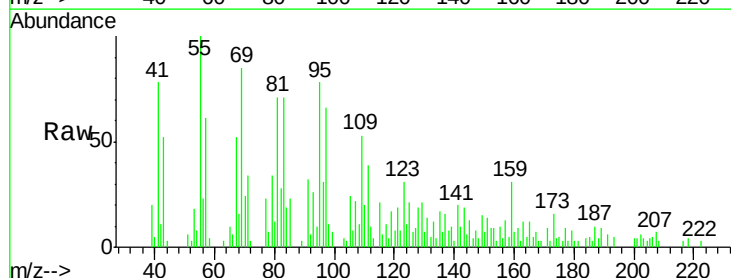
Tgt Ion:184 Resp: 306

Ion Ratio Lower Upper

184 100

63 93.7 43.1 64.7#

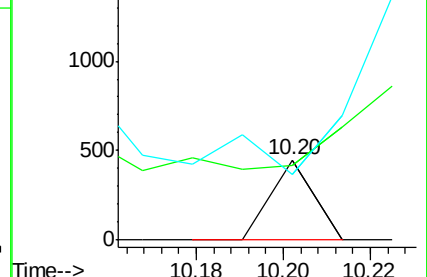
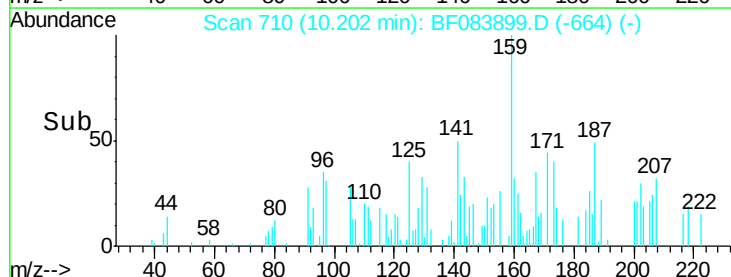
154 81.9 60.5 90.7

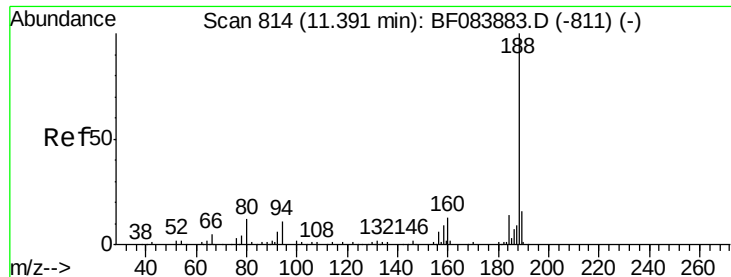


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

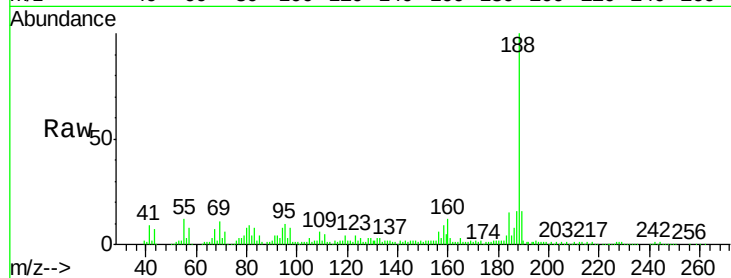




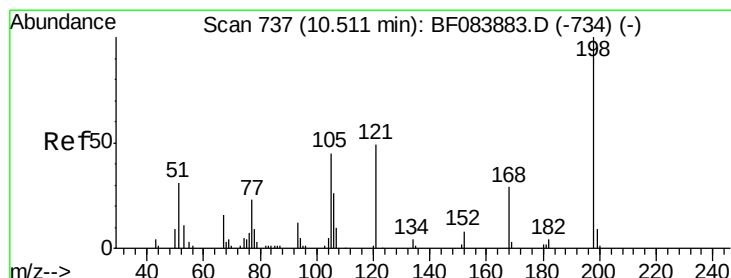
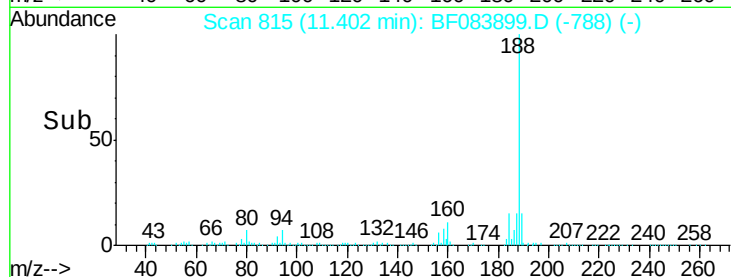
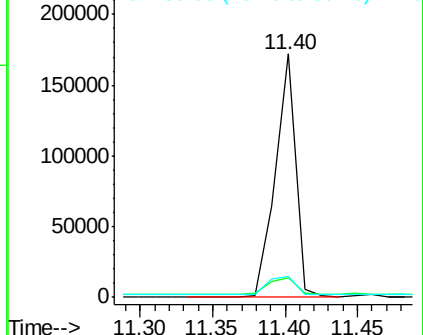
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Instrument :
BNA_F
ClientSampleId :
K201-27-28

Tgt Ion:188 Resp: 167014
Ion Ratio Lower Upper
188 100
94 8.0 9.0 13.4#
80 8.3 9.6 14.4#

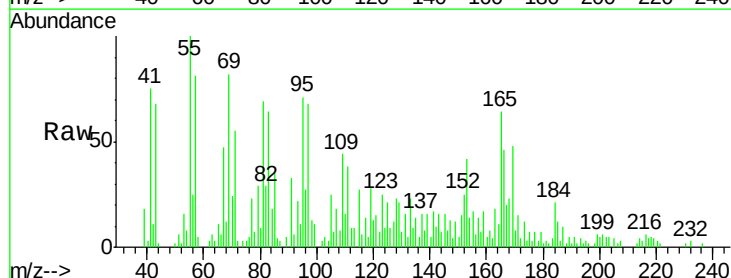


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

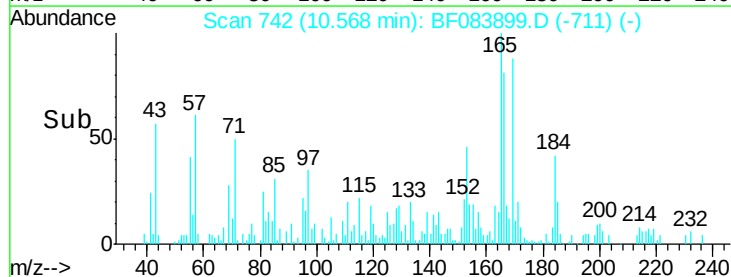
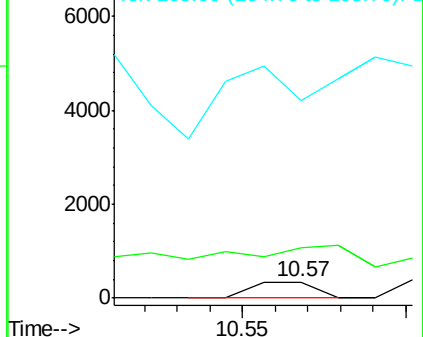


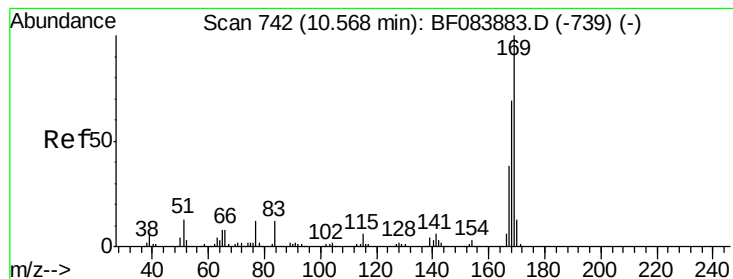
#64
4,6-Dinitro-2-methylphenol
Concen: 4.34 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.06 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Tgt Ion:198 Resp: 461
Ion Ratio Lower Upper
198 100
51 313.9 18.9 58.9#
105 1240.7 26.4 66.4#



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





#65

n-Nitrosodiphenylamine

Concen: 3.26 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

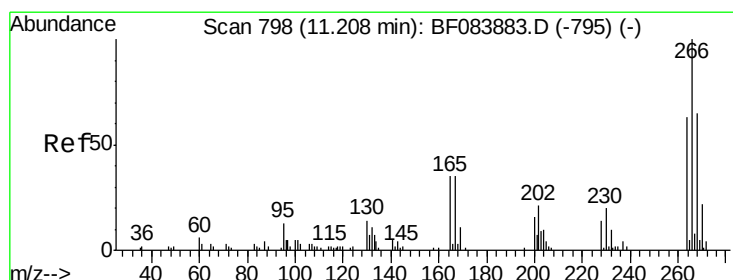
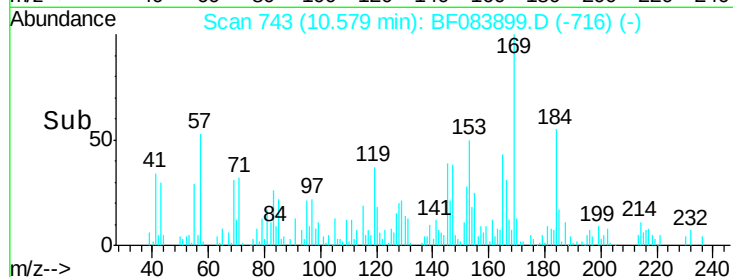
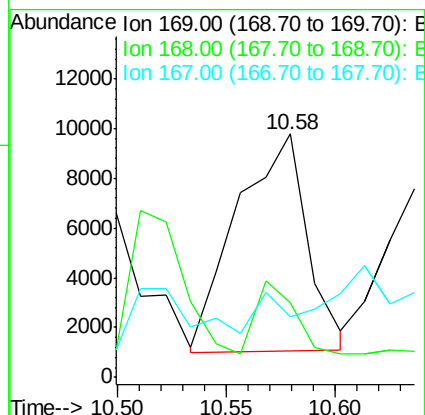
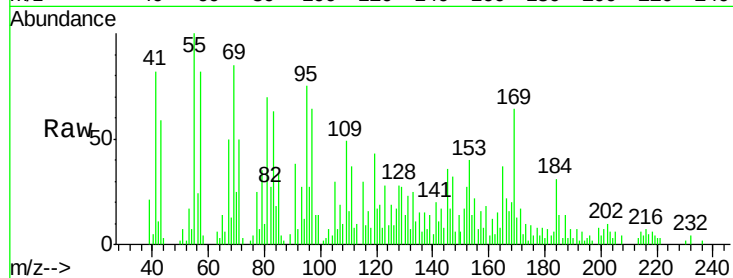
Tgt Ion:169 Resp: 19788

Ion Ratio Lower Upper

169 100

168 30.9 55.1 82.7#

167 24.8 30.0 45.0#



#69

Pentachlorophenol

Concen: 4.99 ng

RT: 11.05 min Scan# 784

Delta R.T. -0.16 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

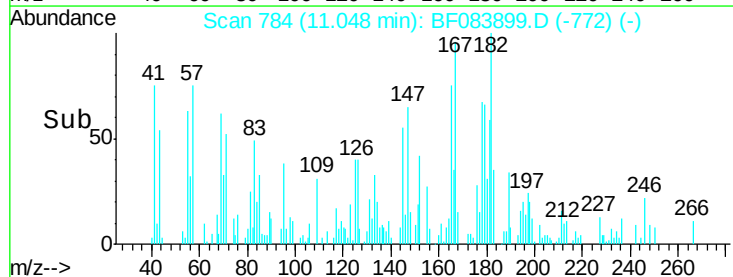
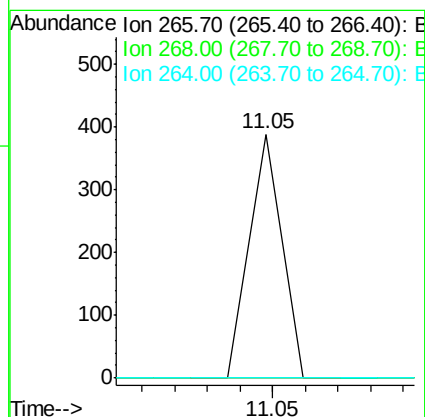
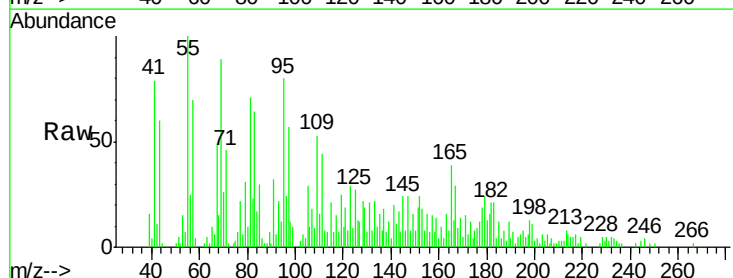
Tgt Ion:266 Resp: 266

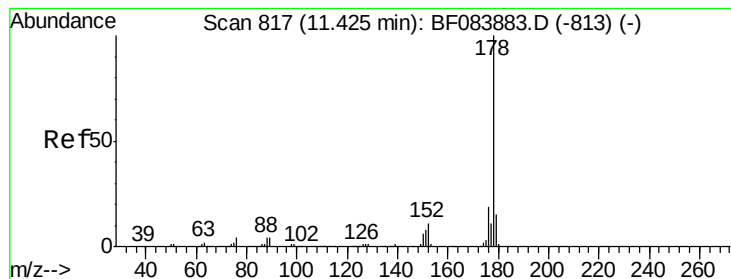
Ion Ratio Lower Upper

266 100

268 0.0 52.4 78.6#

264 0.0 50.2 75.2#





#70

Phenanthrene

Concen: 4.62 ng

RT: 11.43 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

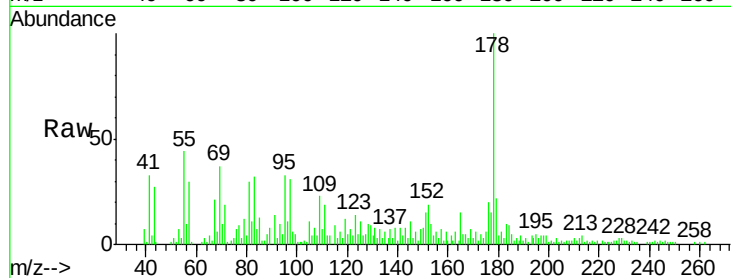
Tgt Ion:178 Resp: 46651

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

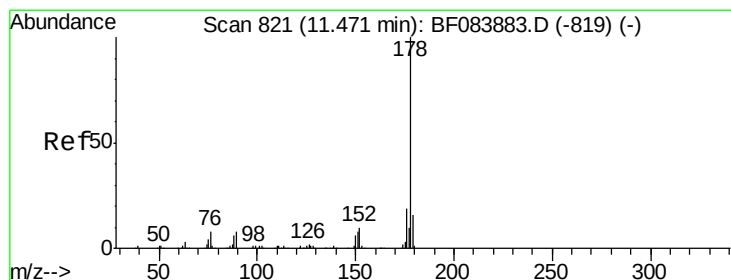
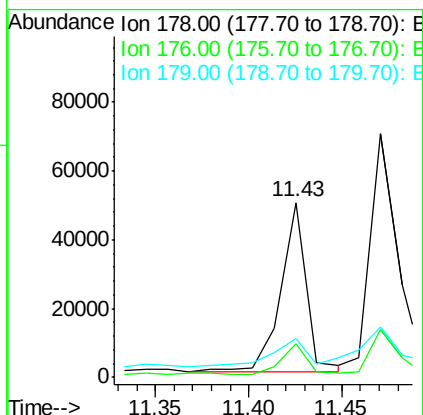
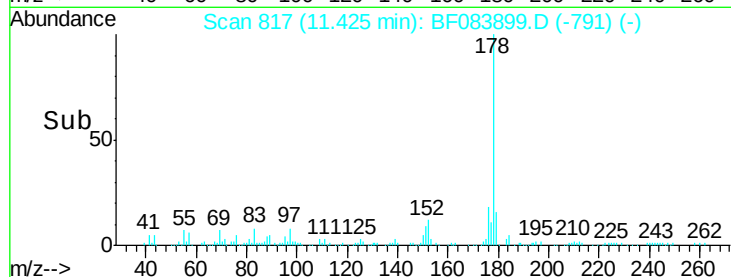
179 22.4 12.0 18.0#



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



#71

Anthracene

Concen: 7.17 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

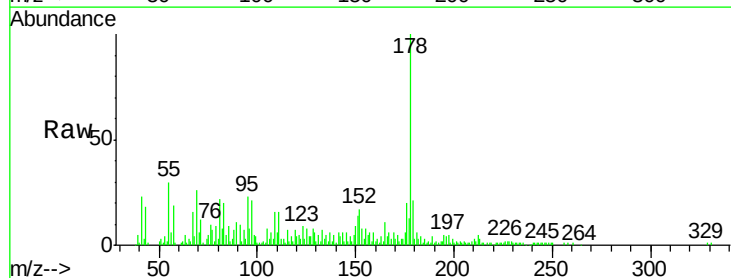
Tgt Ion:178 Resp: 69968

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

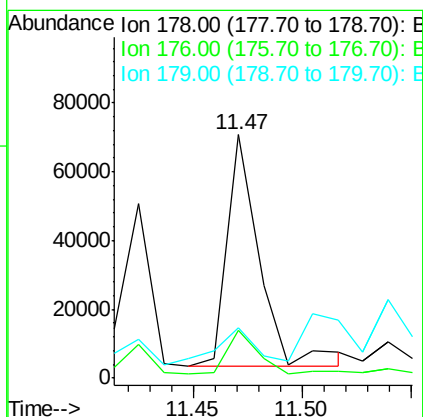
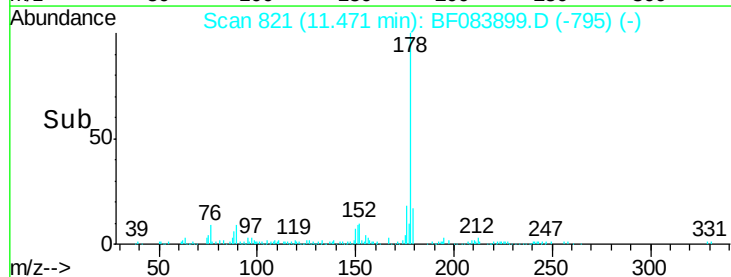
179 20.5 12.5 18.7#

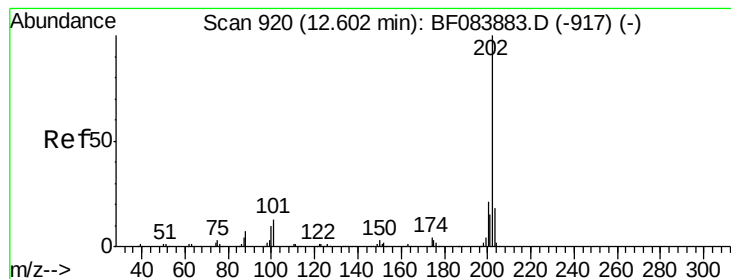


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.56 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

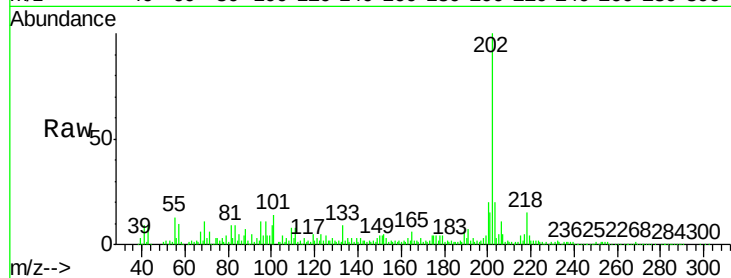
Tgt Ion:202 Resp: 136540

Ion Ratio Lower Upper

202 100

101 13.5 0.0 32.8

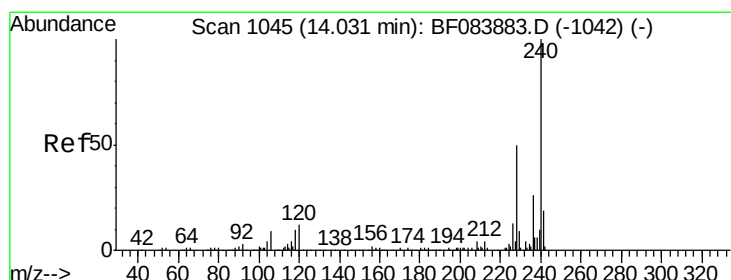
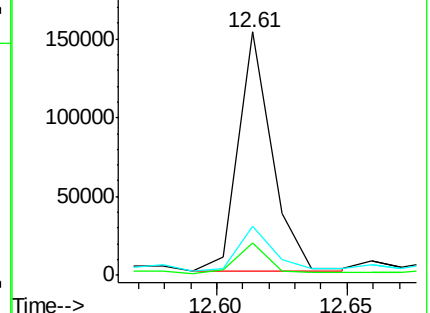
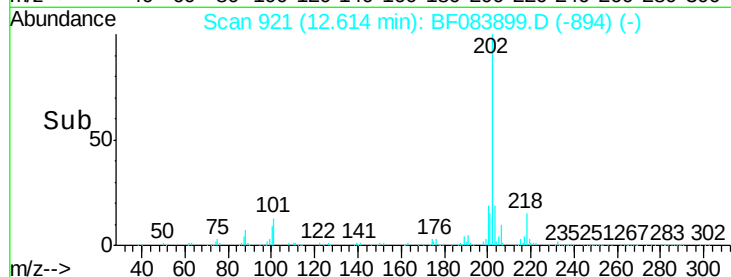
203 20.4 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

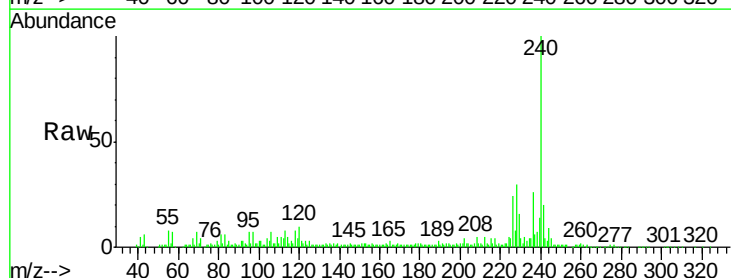
Tgt Ion:240 Resp: 121274

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

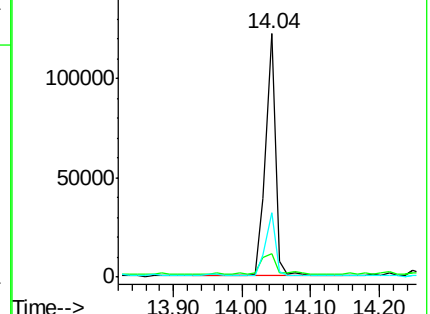
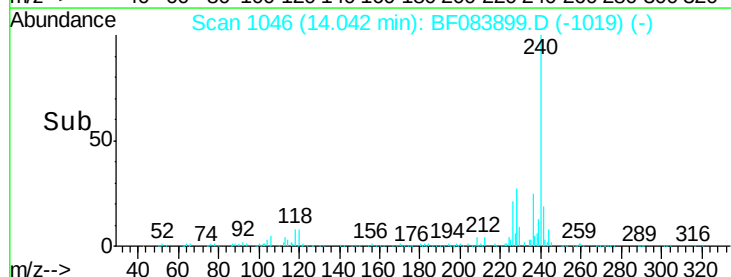
236 26.3 20.6 31.0

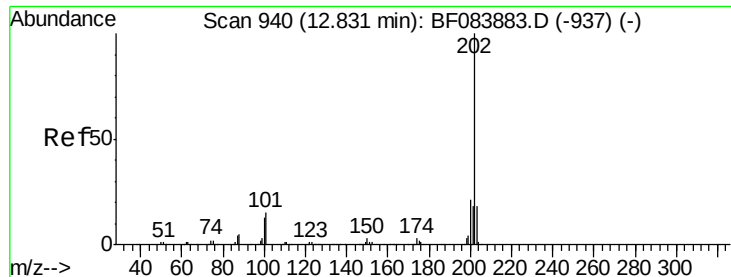


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

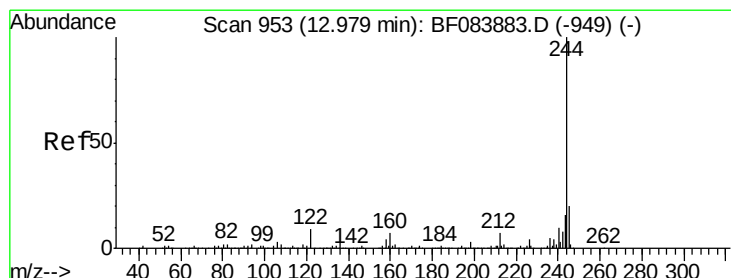
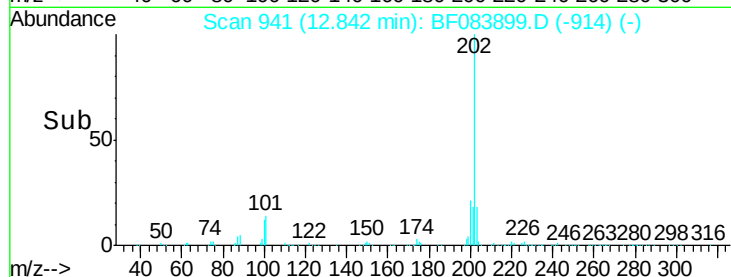
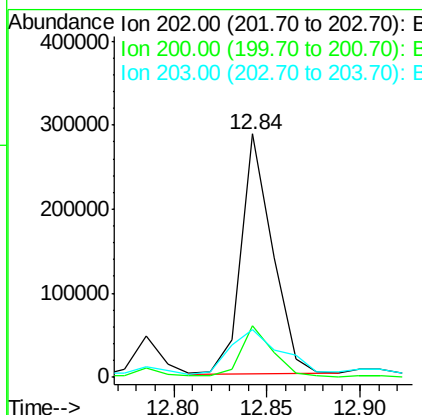
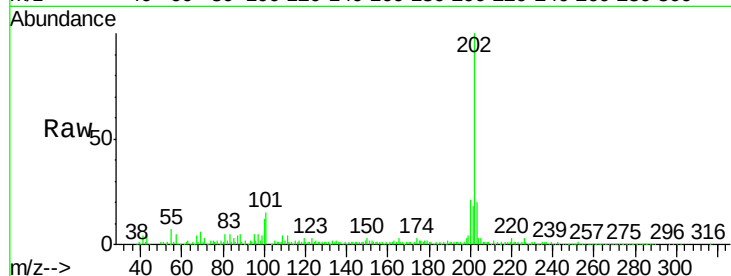




#77
 Pyrene
 Concen: 43.44 ng
 RT: 12.84 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

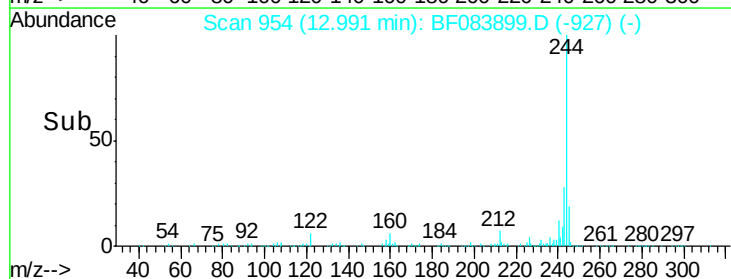
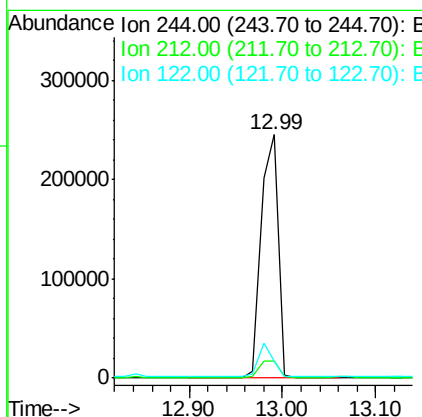
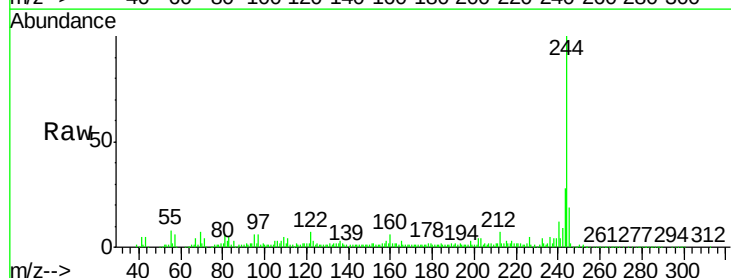
Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

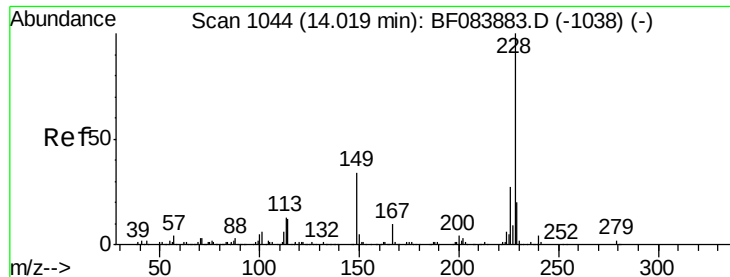
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	19.7	14.3	21.5



#78
 Terphenyl-d14
 Concen: 59.32 ng
 RT: 12.99 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	6.9	7.4	11.0





#80

Benzo(a)anthracene

Concen: 23.22 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

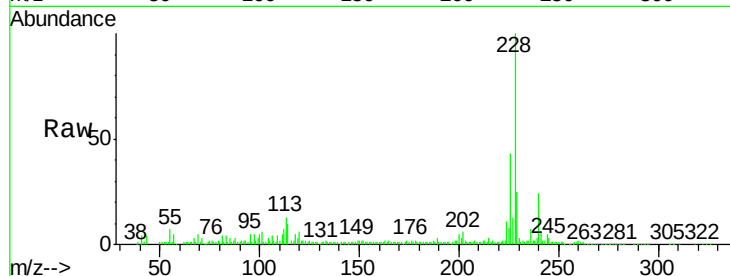
Tgt Ion:228 Resp: 173121

Ion Ratio Lower Upper

228 100

226 43.3 21.8 32.6#

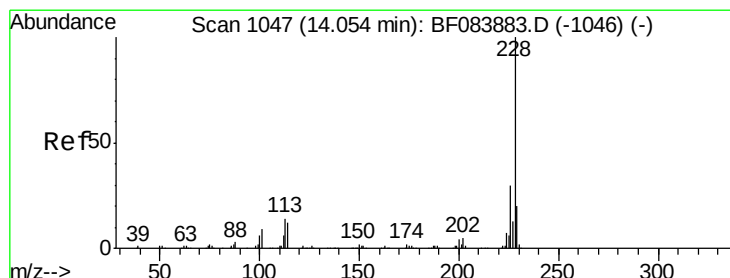
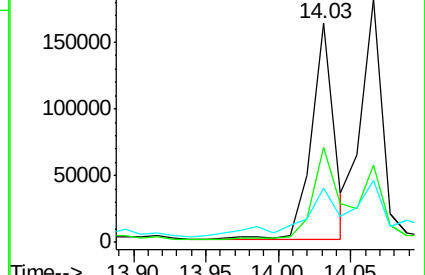
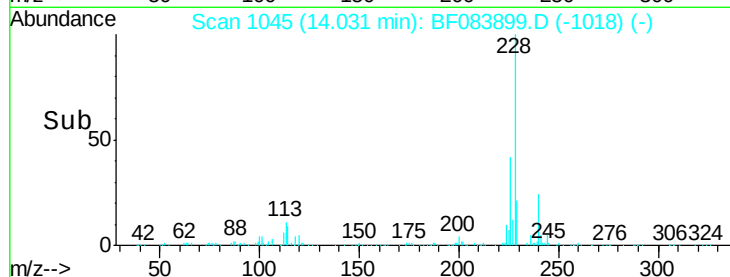
229 24.8 15.8 23.8#



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: 24.04 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

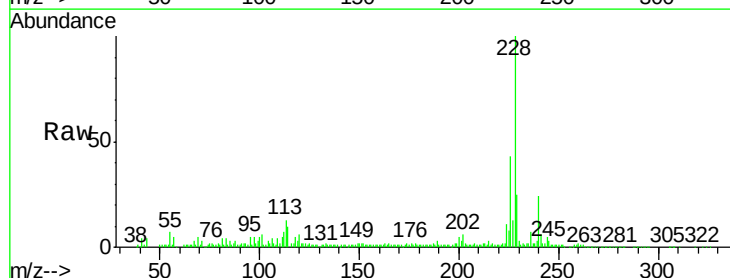
Tgt Ion:228 Resp: 173121

Ion Ratio Lower Upper

228 100

226 43.3 24.3 36.5#

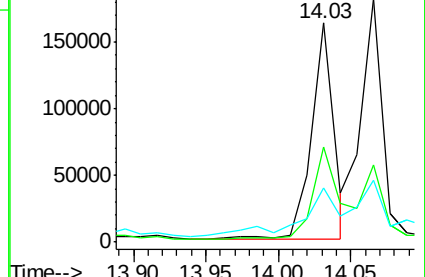
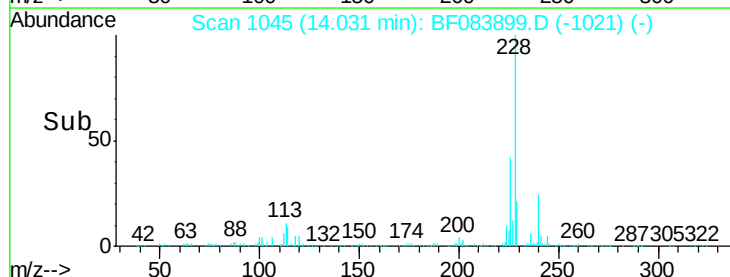
229 24.8 16.1 24.1#

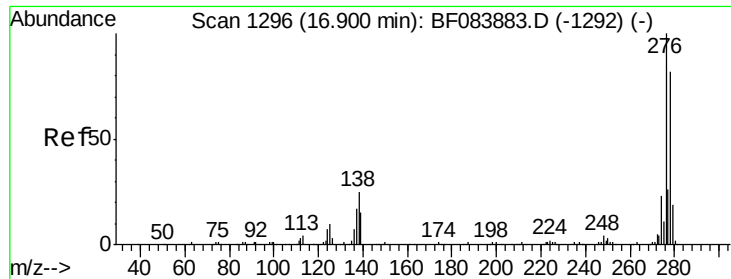


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

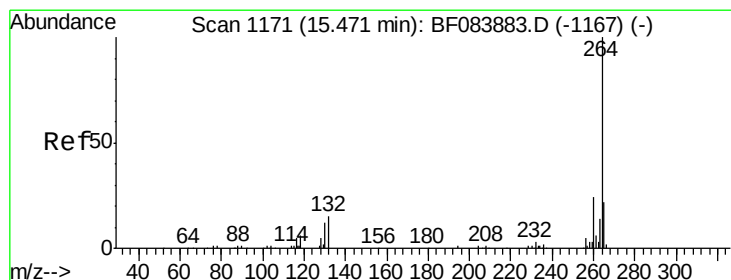
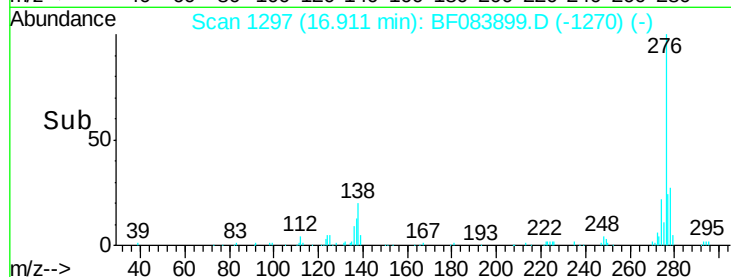
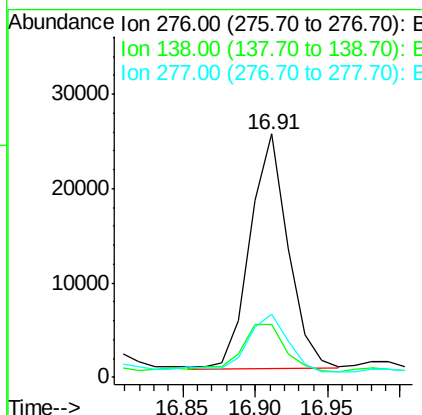
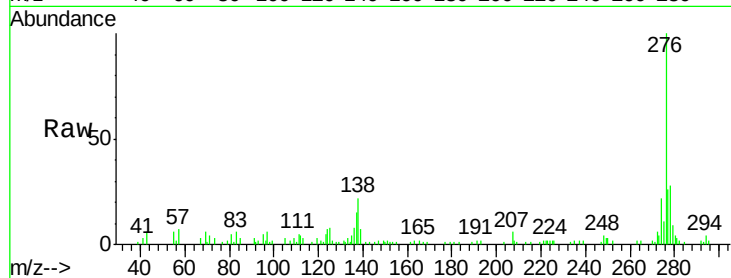




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.35 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

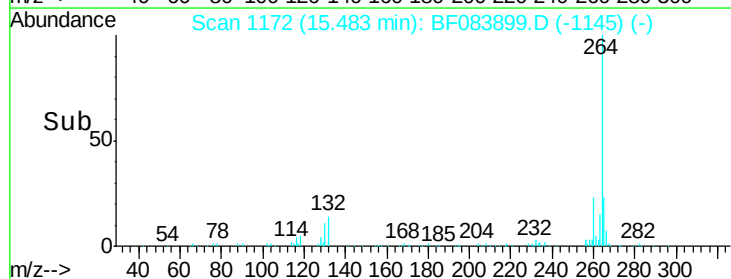
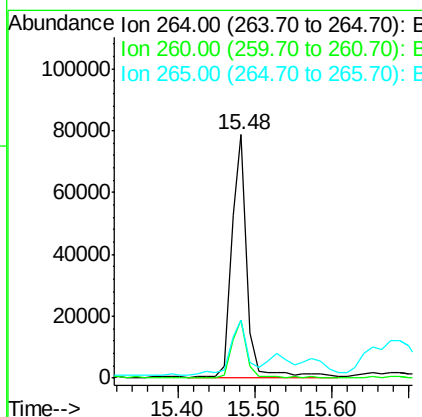
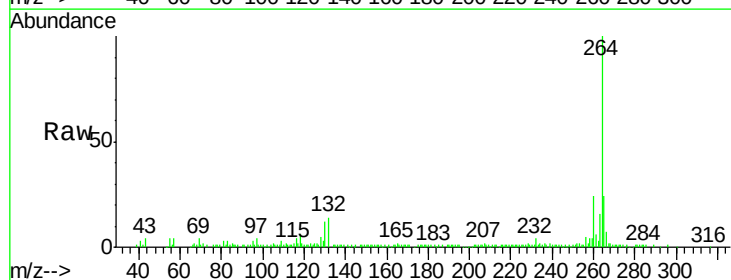
Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

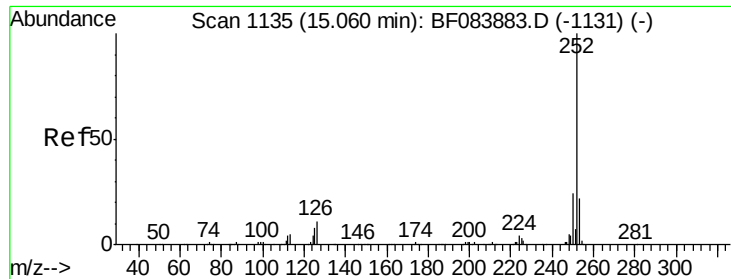
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.6	30.8
277	27.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	24.0	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 22.84 ng

RT: 15.07 min Scan# 1136

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

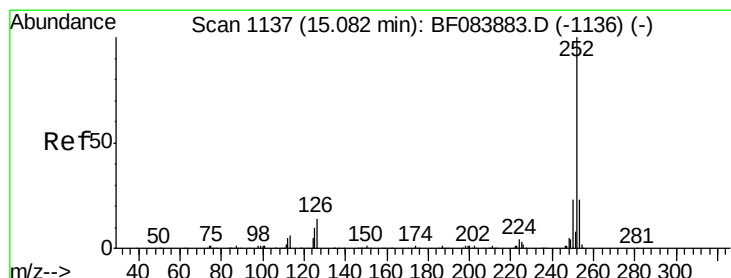
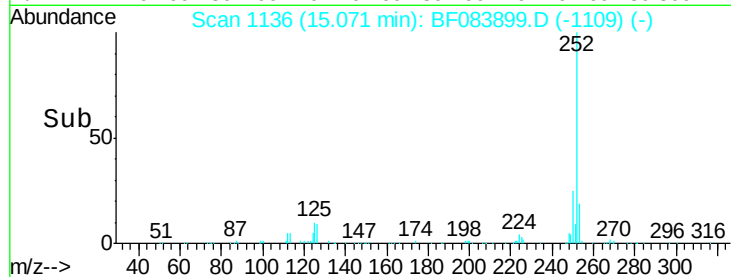
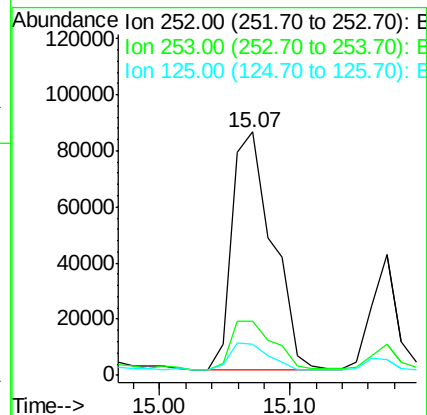
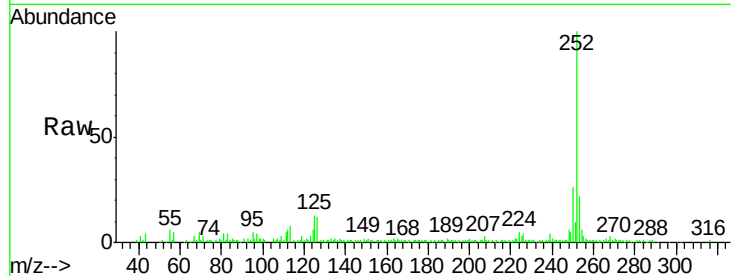
Tgt Ion:252 Resp: 183471

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 12.8 6.5 9.7#



#88

Benzo(k)fluoranthene

Concen: 27.69 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

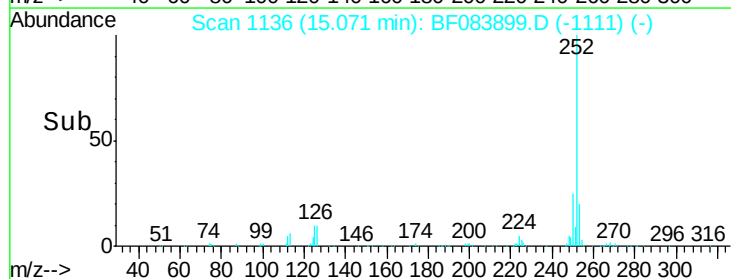
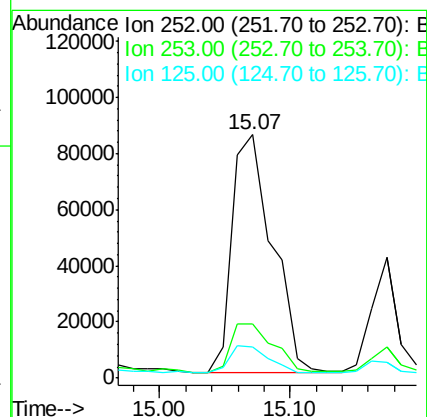
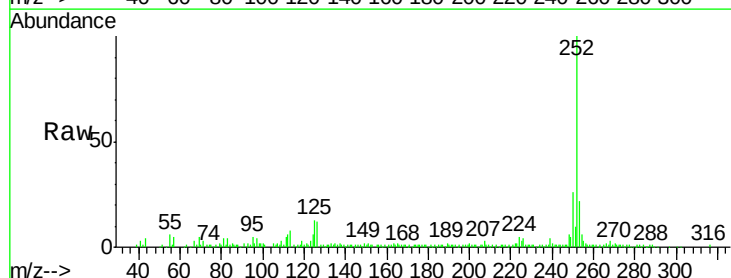
Tgt Ion:252 Resp: 183471

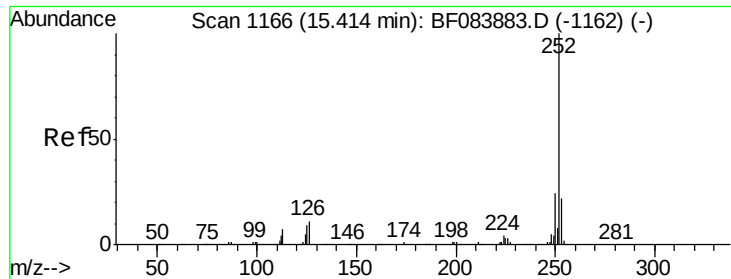
Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 12.8 9.0 13.6





#89

Benzo(a)pyrene

Concen: 23.08 ng

RT: 15.43 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampled :

K201-27-28

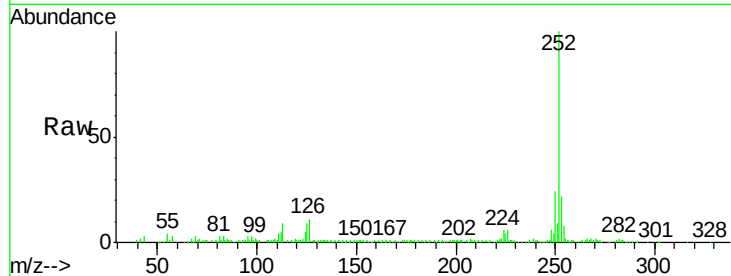
Tgt Ion:252 Resp: 153085

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

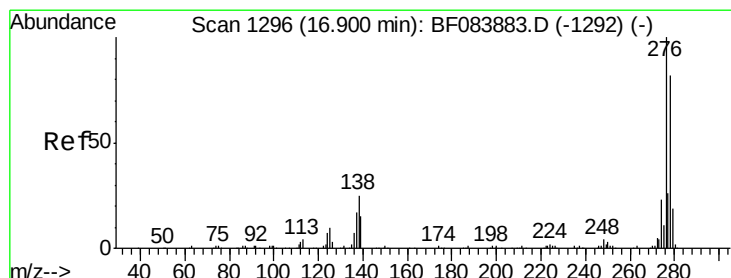
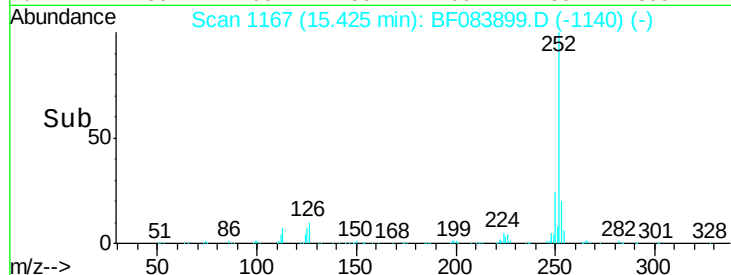
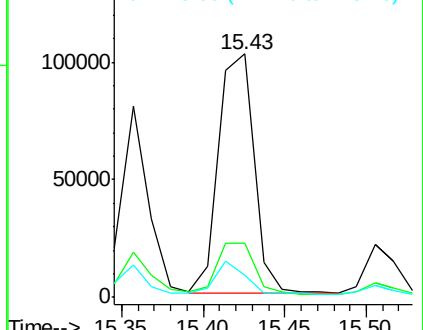
125 9.1 7.0 10.4



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: 2.92 ng

RT: 16.91 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

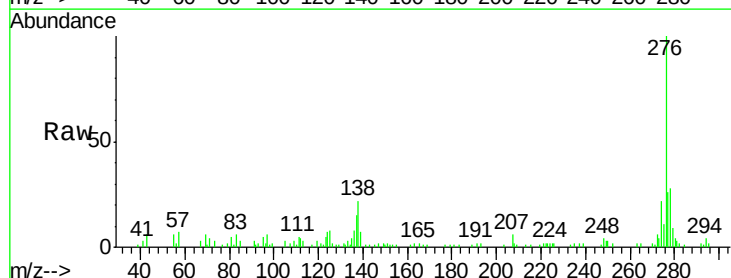
Tgt Ion:278 Resp: 15062

Ion Ratio Lower Upper

278 100

139 25.8 15.0 22.4#

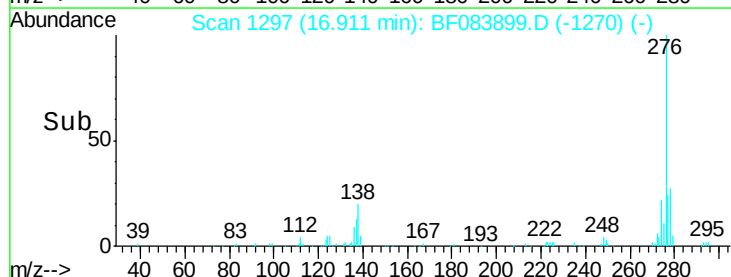
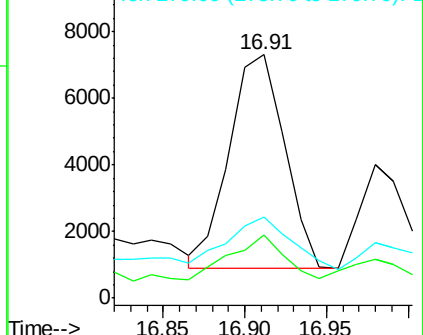
279 33.3 18.9 28.3#

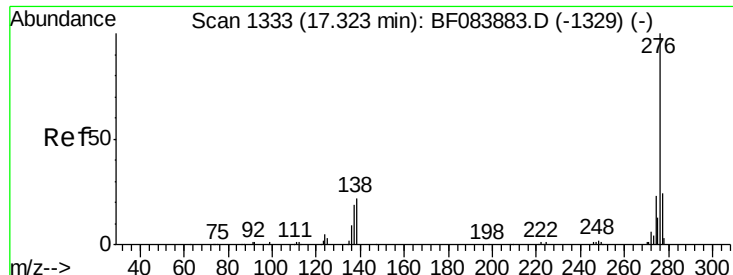


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.89 ng

RT: 17.35 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

K201-27-28

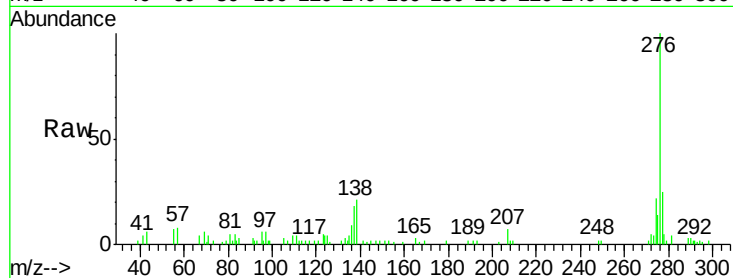
Tgt Ion: 276 Resp: 49999

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 20.7 17.8 26.6



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

