

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
 Data File : BF088480.D
 Acq On : 28 Jun 2016 6:33
 Operator : UM/SJ
 Sample : H3622-19DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1471(0-4)DL

Quant Time: Jun 28 07:37:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

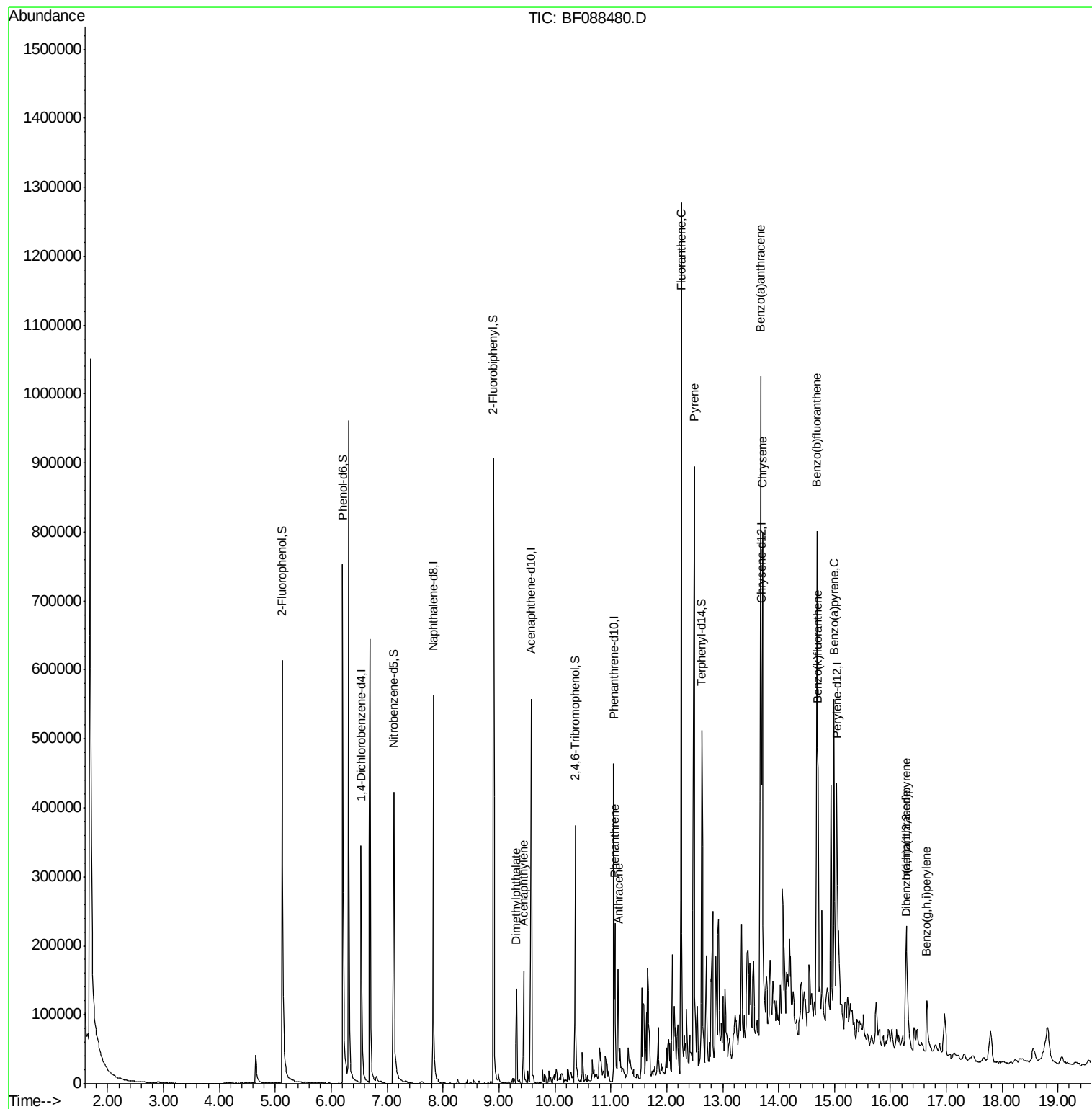
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	72370m	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	292464	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	120640	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	183537	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	144444	20.00	ng	0.00
86) Perylene-d12	15.04	264	162984	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	303389	71.67	ng	-0.01
7) Phenol-d6	6.20	99	381870	74.43	ng	-0.02
23) Nitrobenzene-d5	7.12	82	219745	43.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	53193	41.76	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	364235	44.81	ng	-0.02
78) Terphenyl-d14	12.63	244	193103	30.42	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.44	152	86522	6.97	ng	98
49) Dimethylphthalate	9.31	163	64670	7.40	ng	98
70) Phenanthrene	11.07	178	96486	10.02	ng	98
71) Anthracene	11.13	178	90371	9.30	ng	98
74) Fluoranthene	12.26	202	509958	50.17	ng	99
77) Pyrene	12.49	202	448483	41.84	ng	99
80) Benzo(a)anthracene	13.68	228	408951	49.68	ng	95
82) Chrysene	13.71	228	240208m	31.02	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	88768	12.34	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	346673m	30.52	ng	
88) Benzo(k)fluoranthene	14.70	252	136296m	15.91	ng	
89) Benzo(a)pyrene	14.99	252	225555	24.54	ng	97
90) Dibenzo(a,h)anthracene	16.27	278	36612	4.29	ng	# 91
91) Benzo(g,h,i)perylene	16.65	276	63401	7.22	ng	95

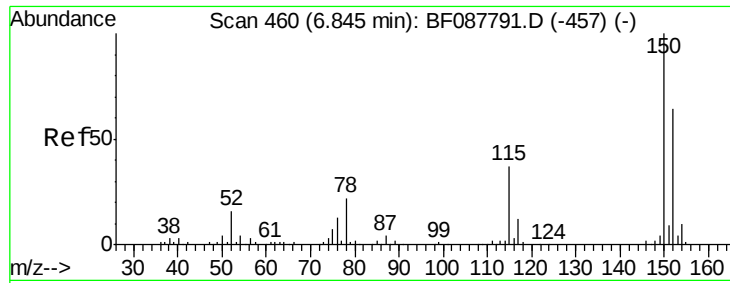
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

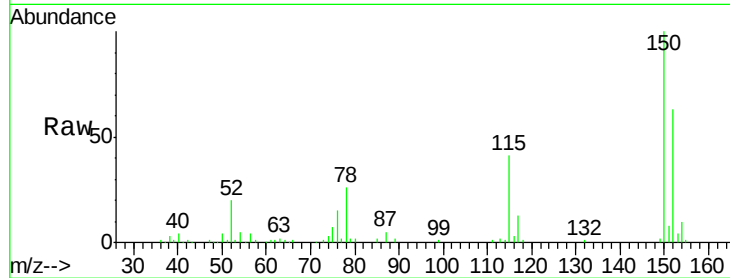
Tot Ion:152 Resp: 72370

Ion Ratio Lower Upper

152 100

150 158.7 123.8 185.6

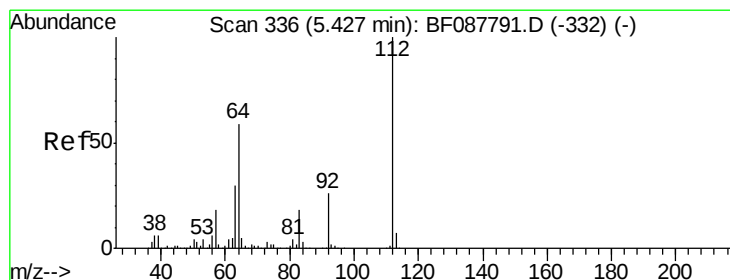
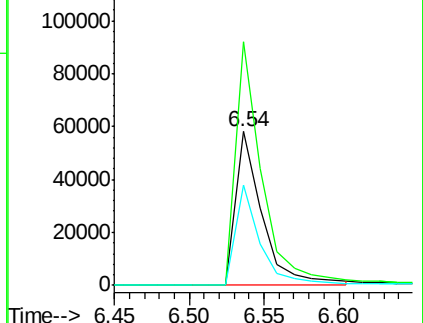
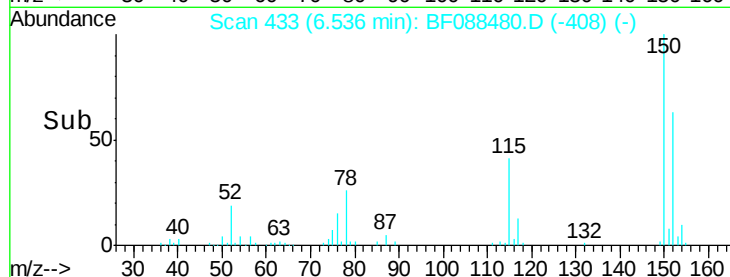
115 65.2 39.6 59.4#



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: 71.67 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

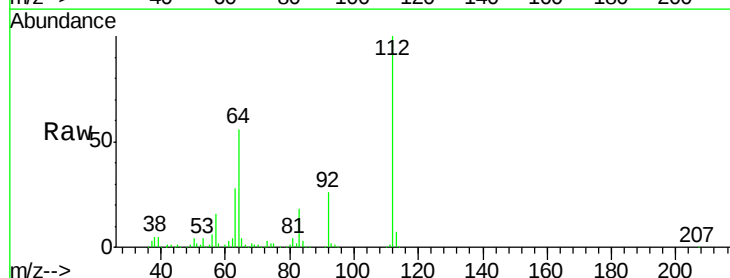
Tgt Ion:112 Resp: 303389

Ion Ratio Lower Upper

112 100

64 55.7 42.2 63.2

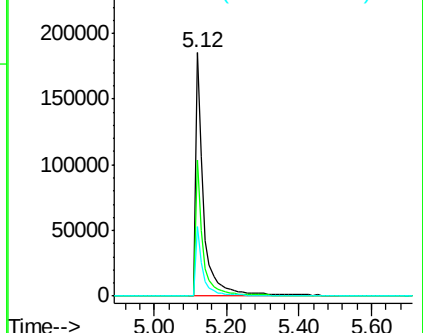
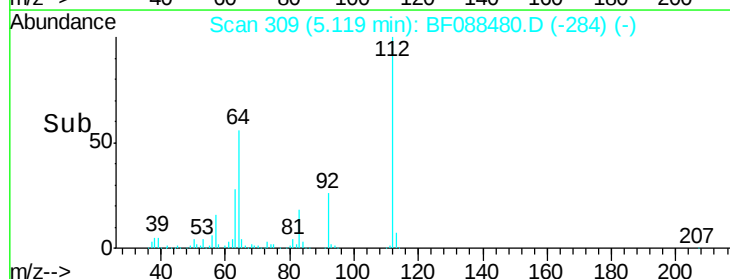
63 28.4 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.43 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

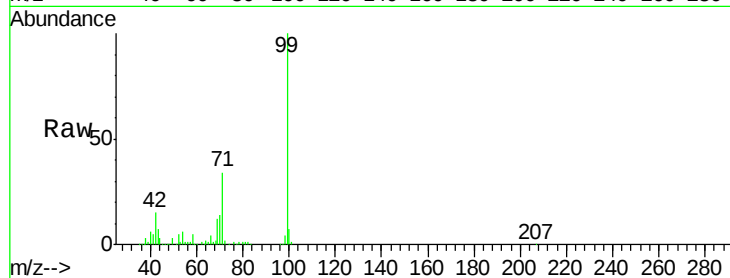
Tot Ion: 99 Resp: 381870

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

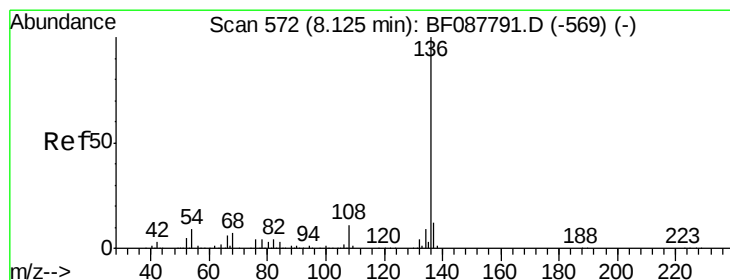
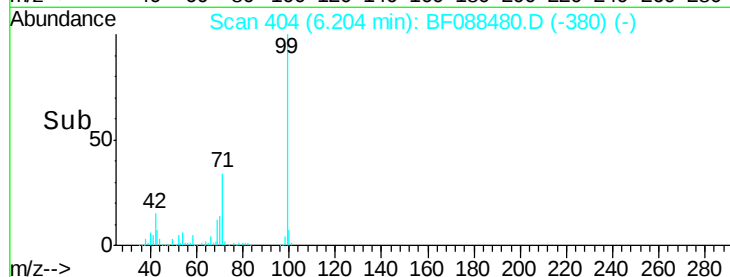
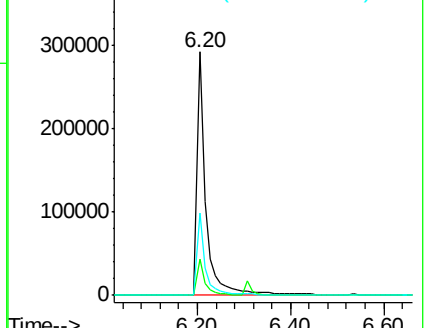
71 33.9 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Tgt Ion: 136 Resp: 292464

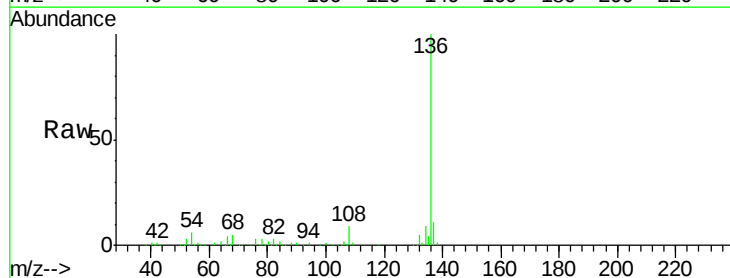
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.9 6.6 10.0#

68 4.9 5.1 7.7#

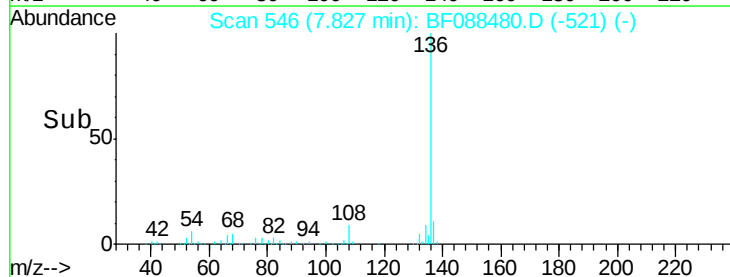
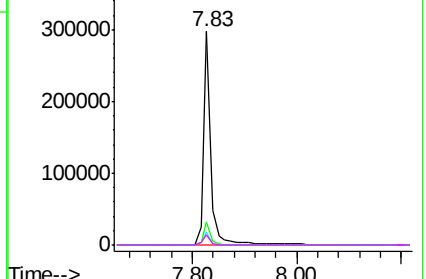


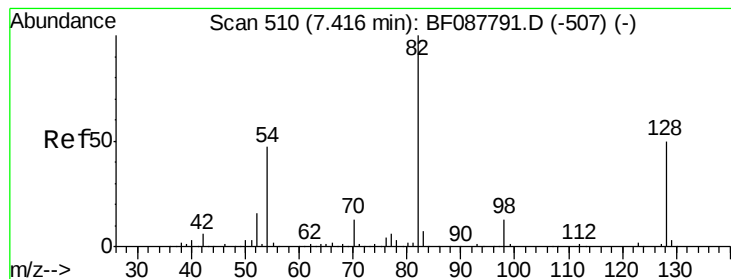
Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.87 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

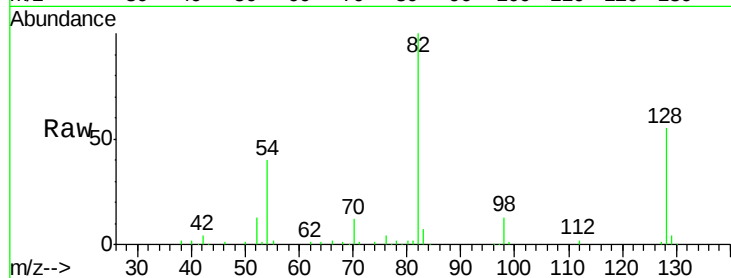
Tot Ion: 82 Resp: 219745

Ion Ratio Lower Upper

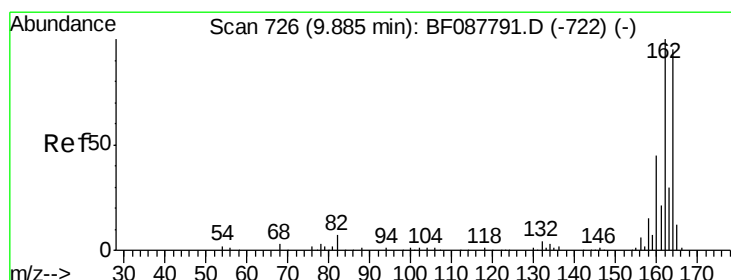
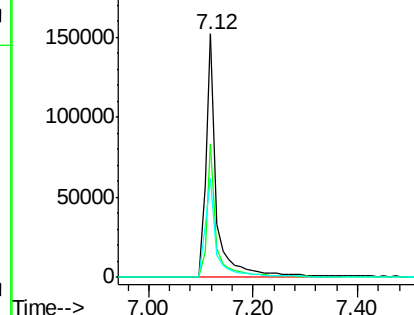
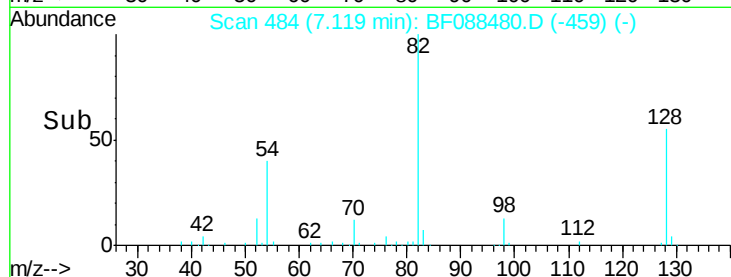
82 100

128 54.8 35.9 53.9#

54 40.4 40.9 61.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

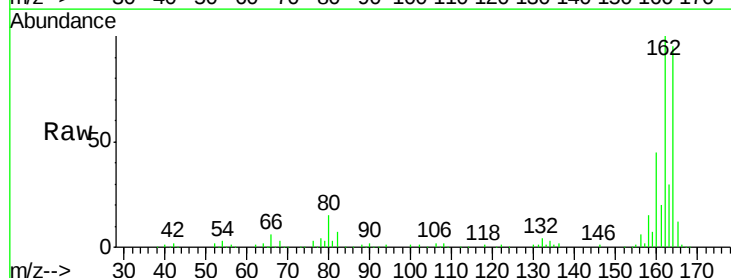
Tgt Ion:164 Resp: 120640

Ion Ratio Lower Upper

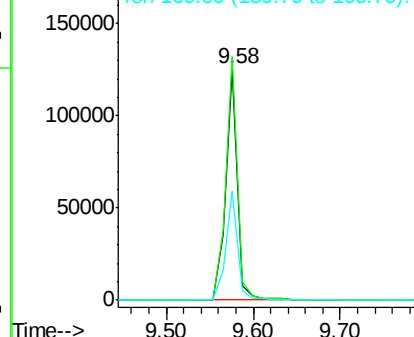
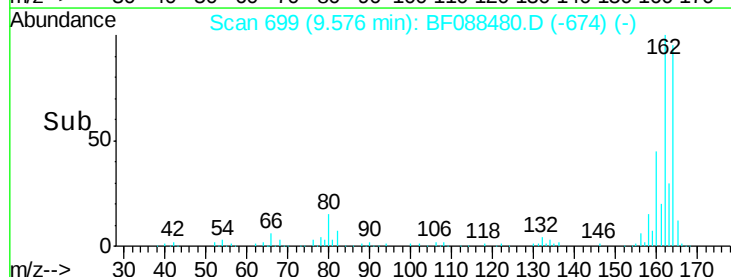
164 100

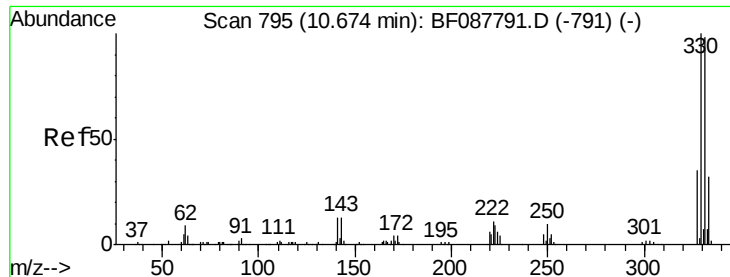
162 105.2 85.4 128.2

160 47.1 39.5 59.3



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

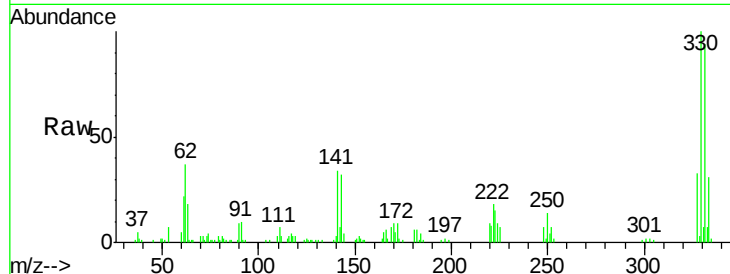




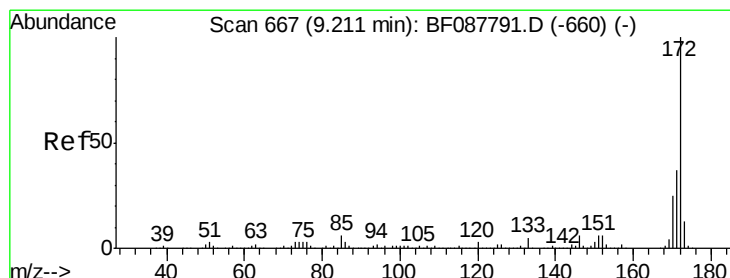
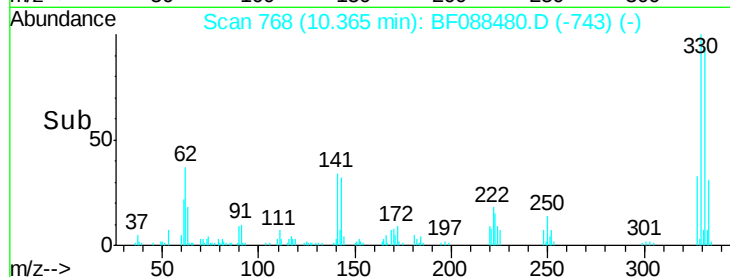
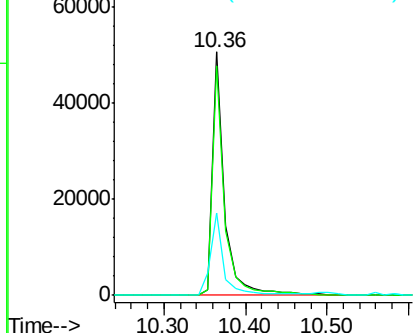
#41
 2,4,6-Tribromophenol
 Concen: 41.76 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088480.D
 Acq: 28 Jun 2016 6:33

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1471(0-4)DL

Tot Ion:330 Resp: 53193
 Ion Ratio Lower Upper
 330 100
 332 93.8 0.0 0.0#
 141 37.8 0.0 0.0#

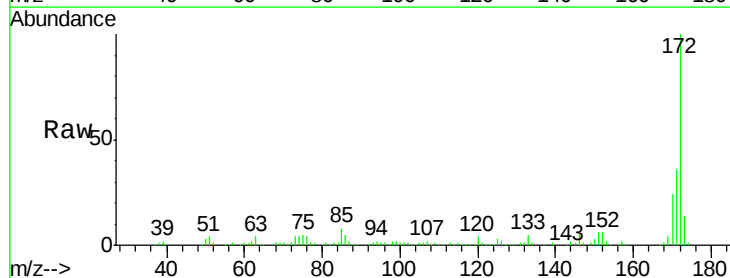


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

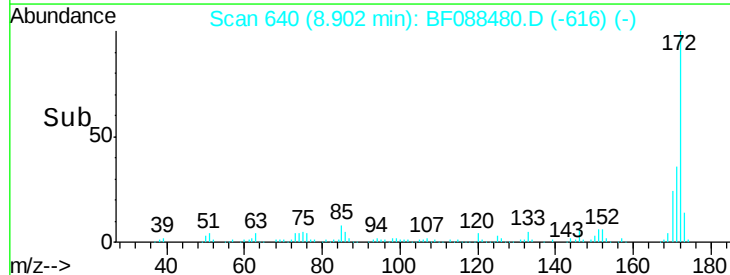
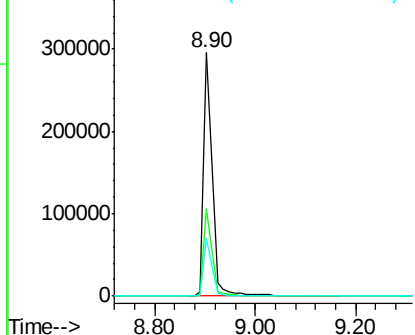


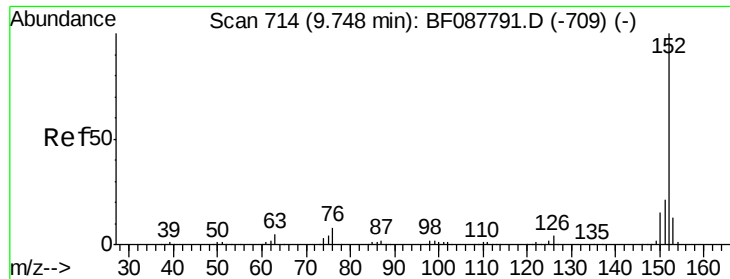
#44
 2-Fluorobiphenyl
 Concen: 44.81 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088480.D
 Acq: 28 Jun 2016 6:33

Tgt Ion:172 Resp: 364235
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.8 19.2 28.8



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





#48

Acenaphthylene

Concen: 6.97 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

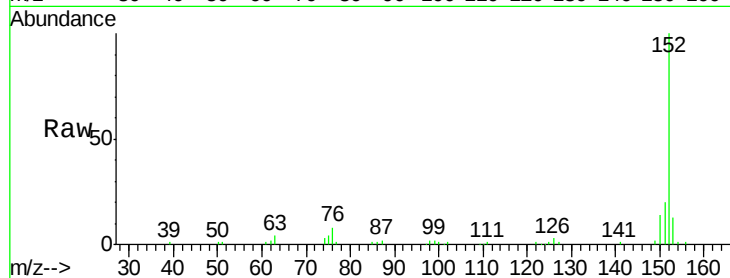
Tot Ion:152 Resp: 86522

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.4

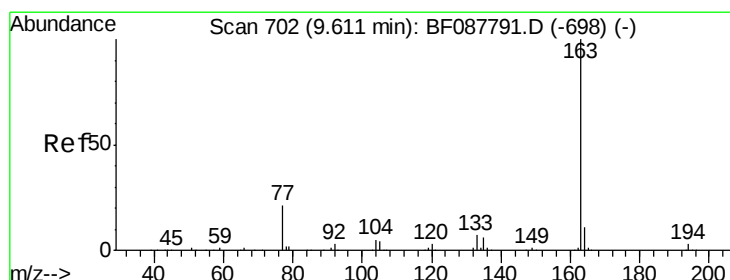
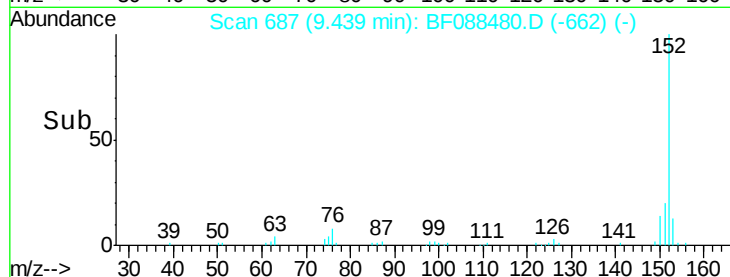
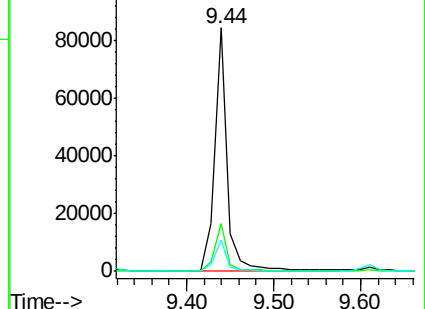
153 12.7 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.40 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

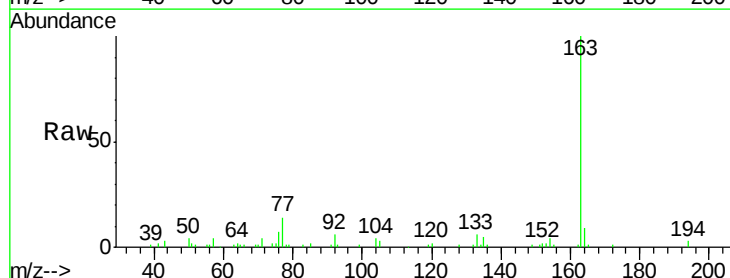
Tgt Ion:163 Resp: 64670

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

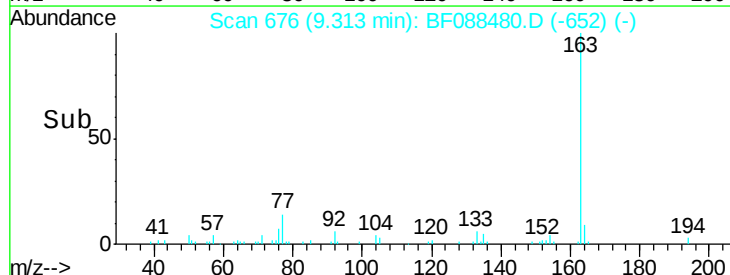
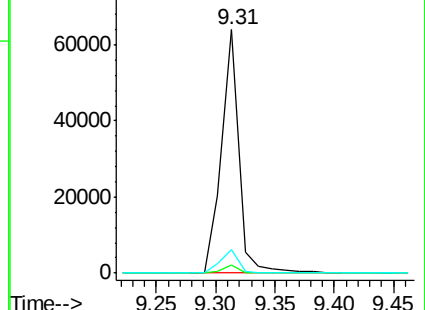
164 9.5 8.3 12.5

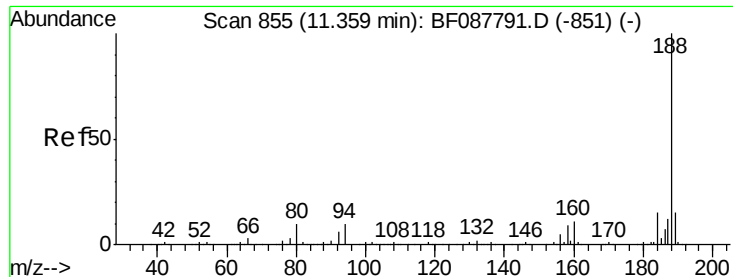


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

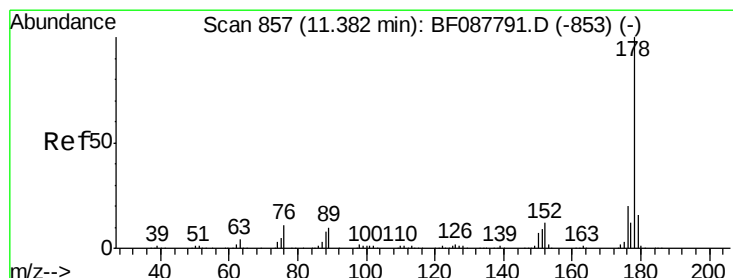
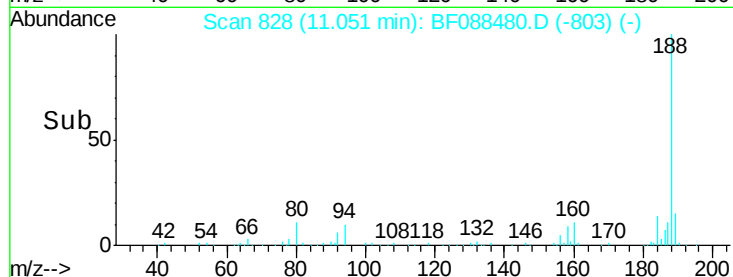
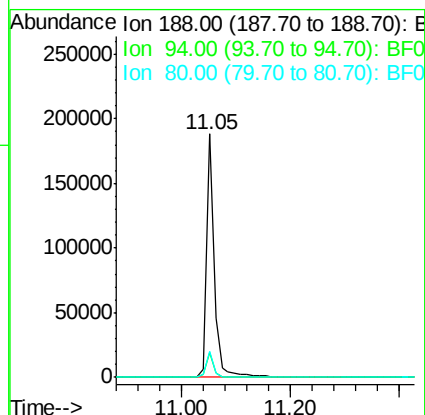
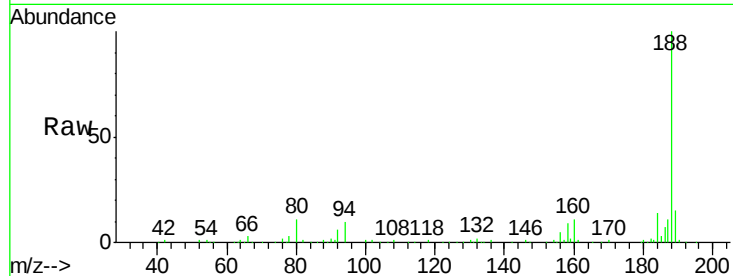




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088480.D
Acq: 28 Jun 2016 6:33

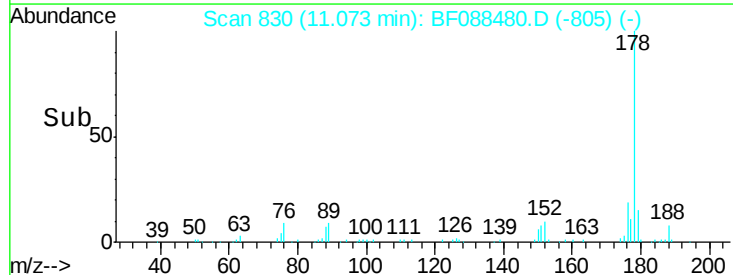
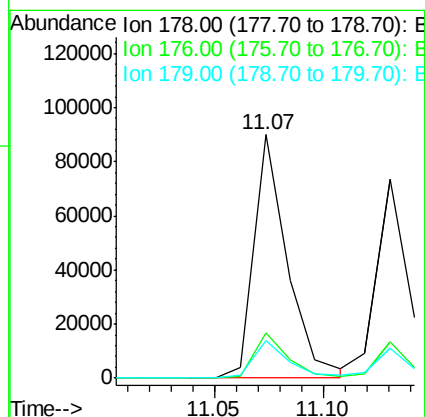
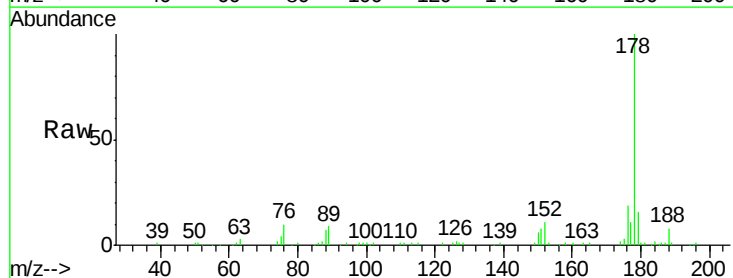
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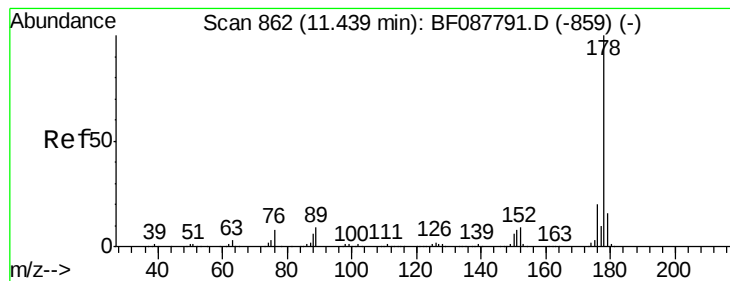
Tot Ion:188 Resp: 183537
Ion Ratio Lower Upper
188 100
94 10.1 9.0 13.6
80 10.6 10.0 15.0



#70
Phenanthrene
Concen: 10.02 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF088480.D
Acq: 28 Jun 2016 6:33

Tgt Ion:178 Resp: 96486
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.5 13.0 19.4





#71

Anthracene

Concen: 9.30 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

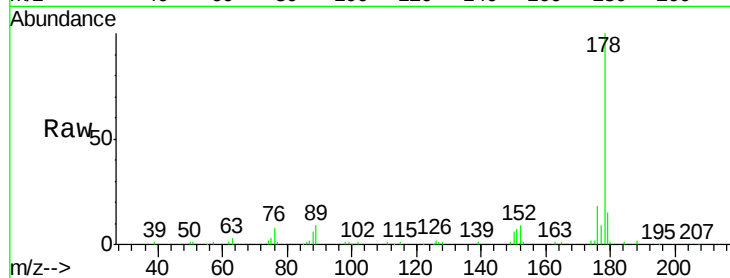
Tot Ion:178 Resp: 90371

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

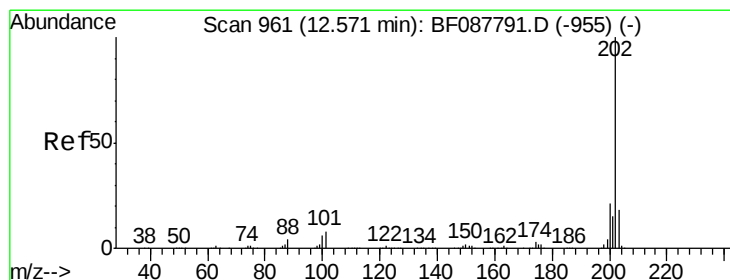
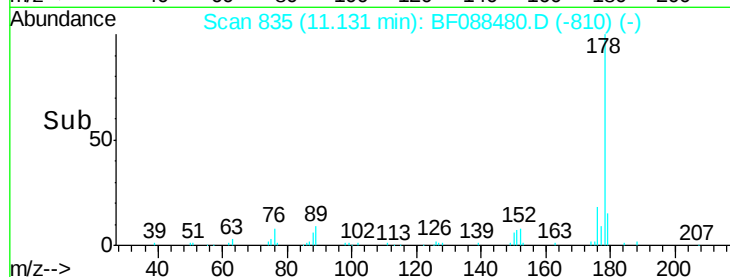
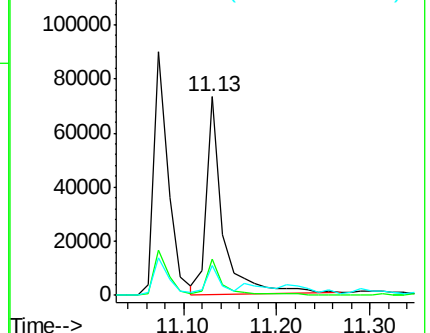
179 15.1 12.8 19.2



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: 50.17 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

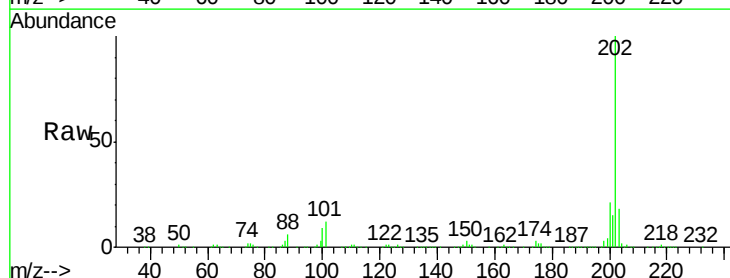
Tgt Ion:202 Resp: 509958

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.1

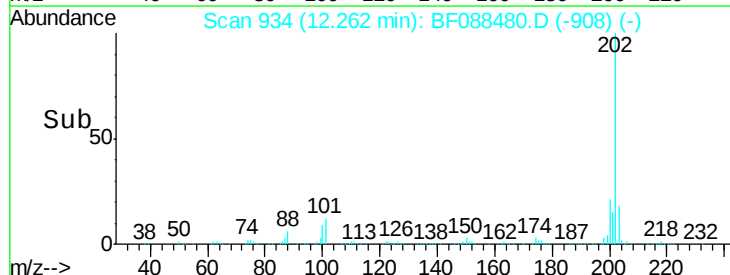
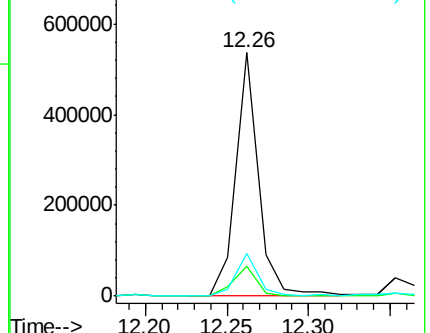
203 17.8 0.0 38.1

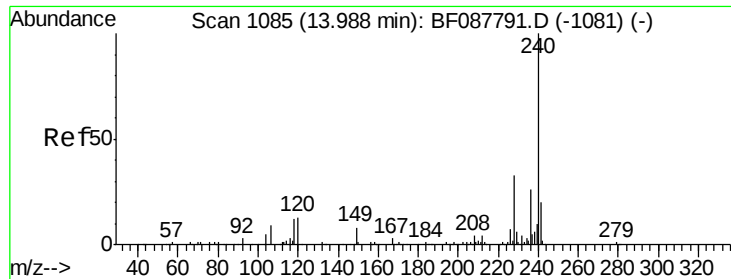


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.69 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

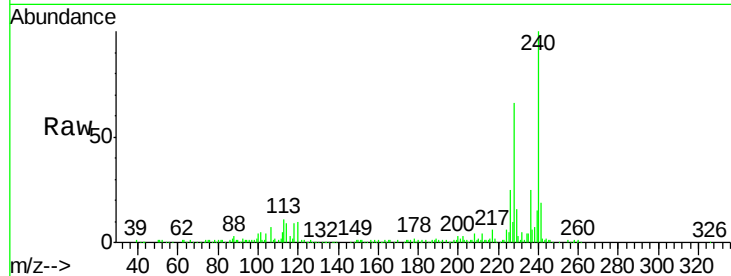
Tot Ion:240 Resp: 144444

Ion Ratio Lower Upper

240 100

120 10.0 6.8 10.2

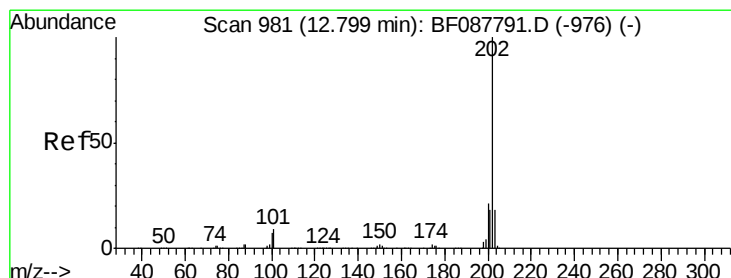
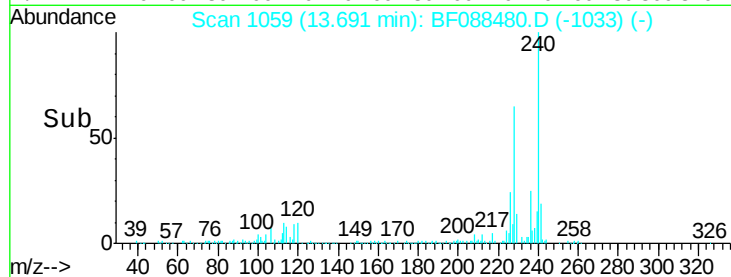
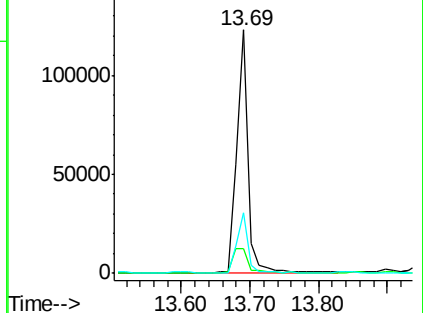
236 25.0 20.2 30.2



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: 41.84 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

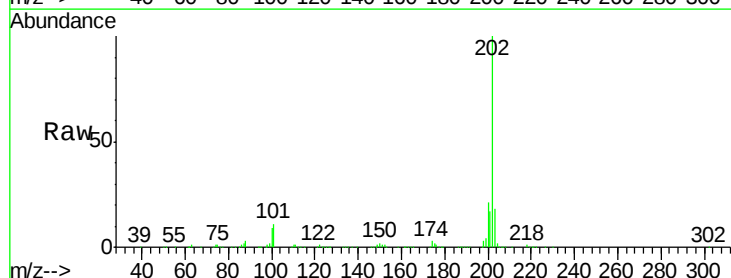
Tgt Ion:202 Resp: 448483

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

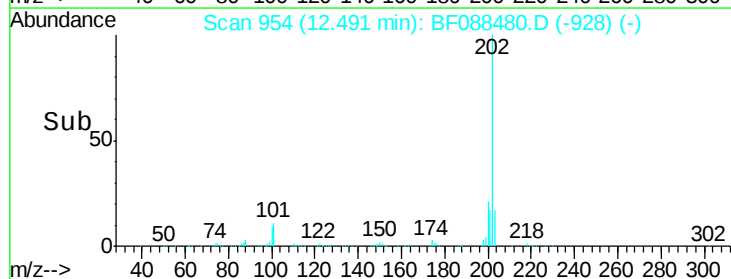
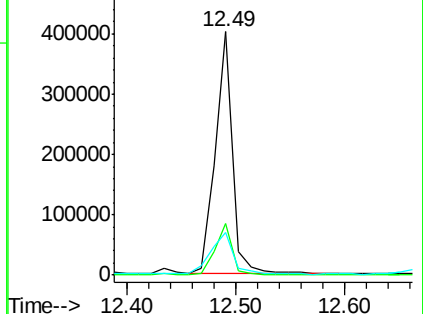
203 17.7 14.5 21.7

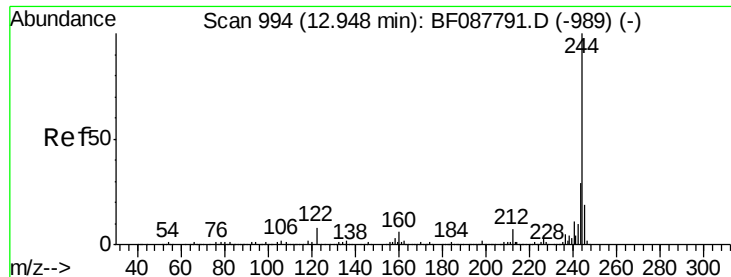


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.42 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

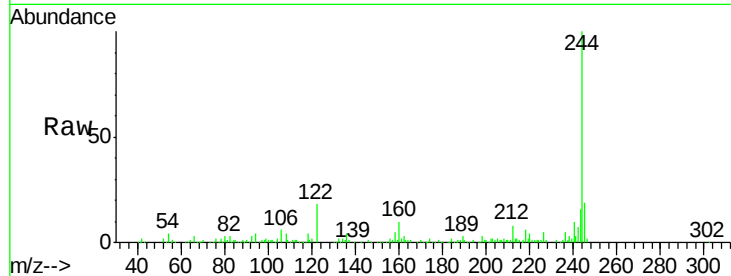
Tot Ion:244 Resp: 193103

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

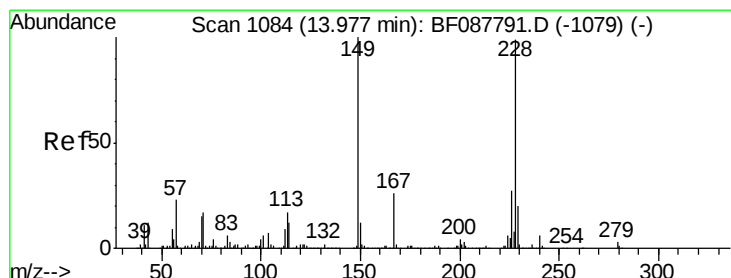
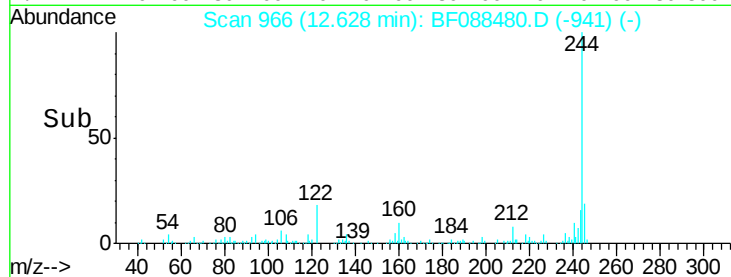
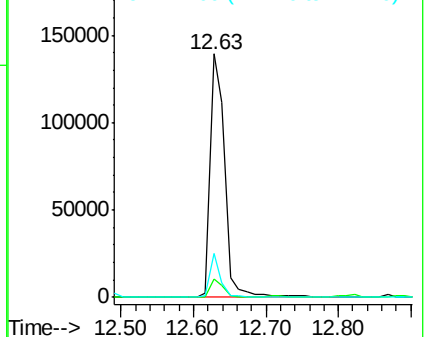
122 18.2 11.2 16.8#



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: 49.68 ng

RT: 13.68 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

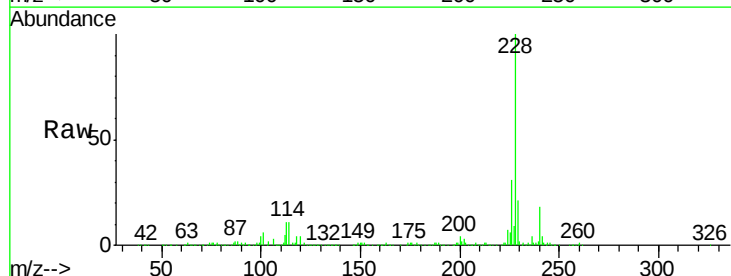
Tgt Ion:228 Resp: 408951

Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

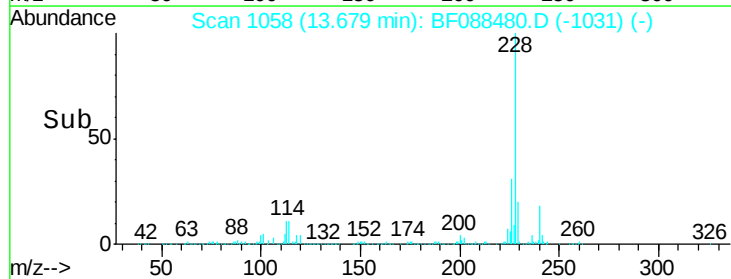
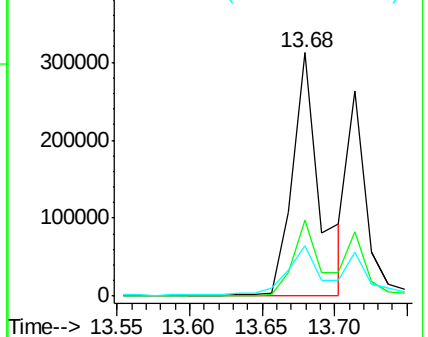
229 20.8 16.0 24.0

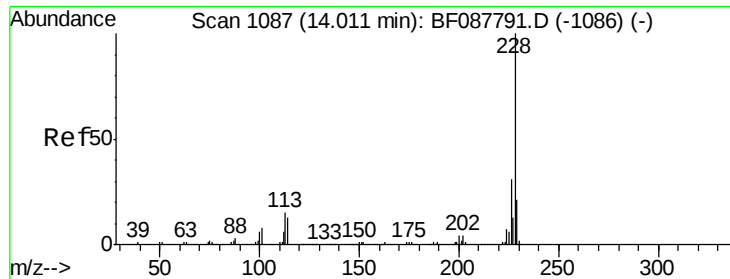


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 31.02 ng/mL

RT: 13.71 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

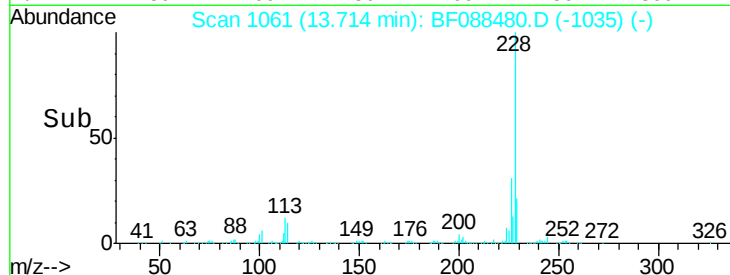
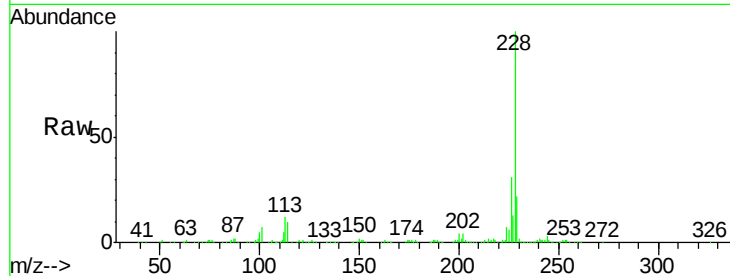
BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

Tot Ion:228 Resp: 240208

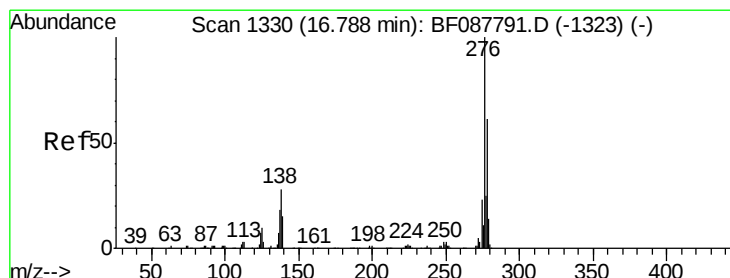
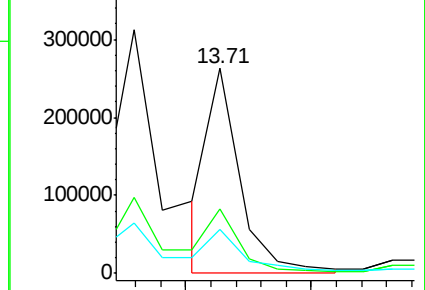
Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.2
229	21.7	16.3	24.5



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: 12.34 ng/mL

RT: 16.29 min Scan# 1286

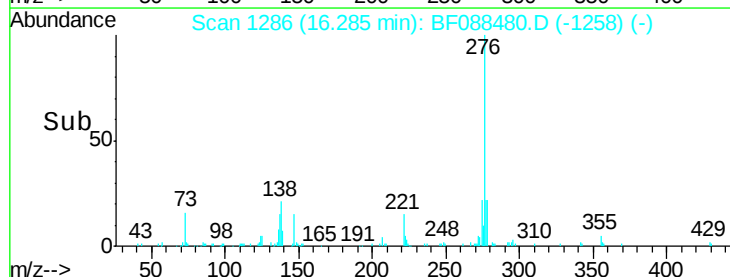
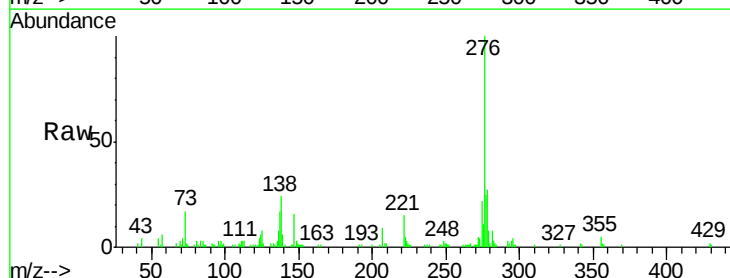
Delta R.T. 0.02 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Tgt Ion:276 Resp: 88768

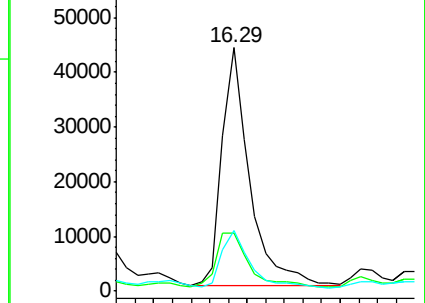
Ion	Ratio	Lower	Upper
276	100		
138	27.5	0.0	0.0#
277	24.7	0.0	0.0#

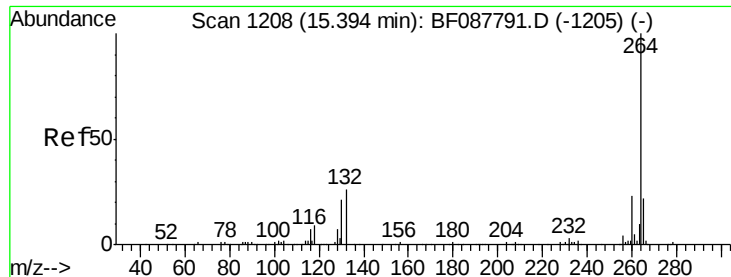


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

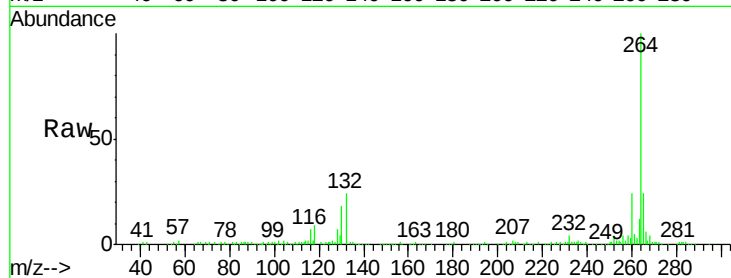
Tot Ion:264 Resp: 162984

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

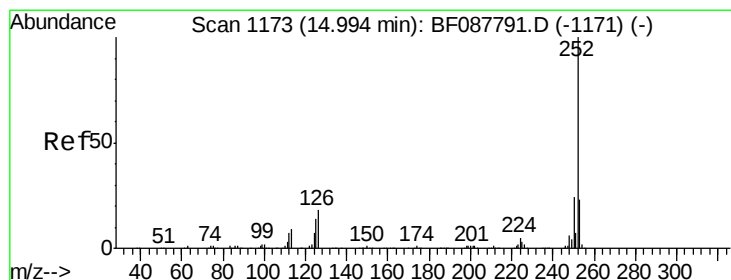
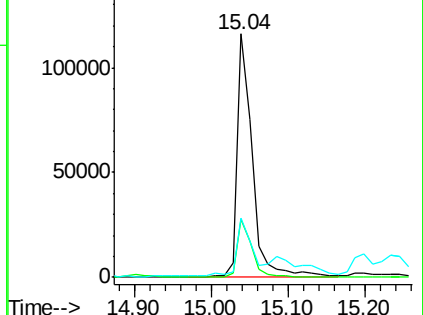
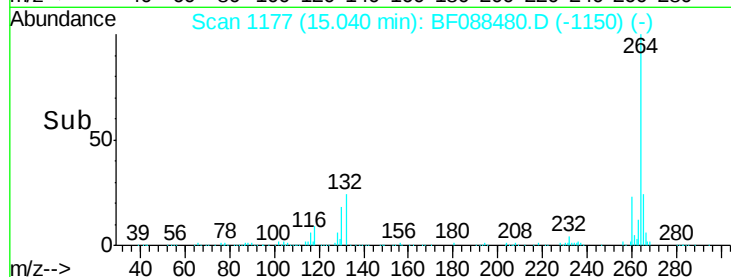
265 24.1 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 30.52 ng m

RT: 14.69 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

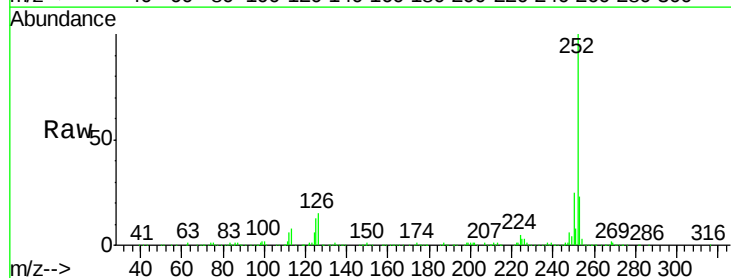
Tgt Ion:252 Resp: 346673

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

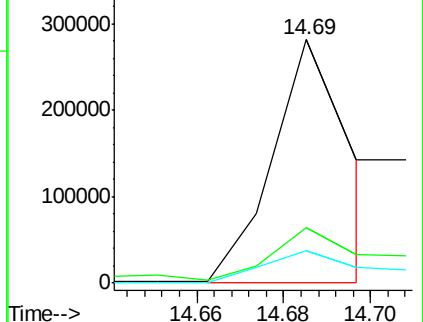
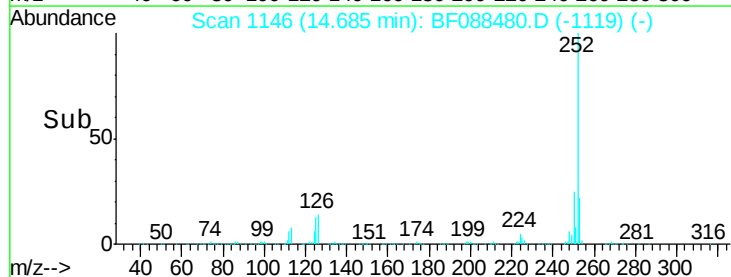
125 13.1 7.1 10.7#

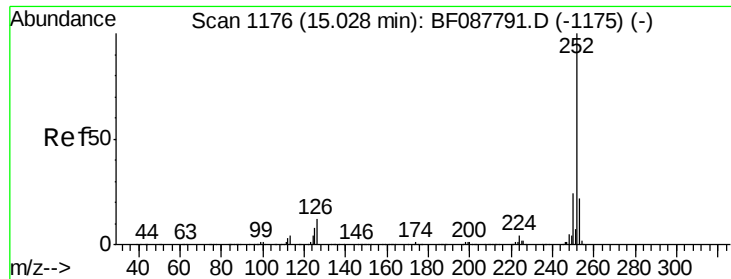


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 15.91 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

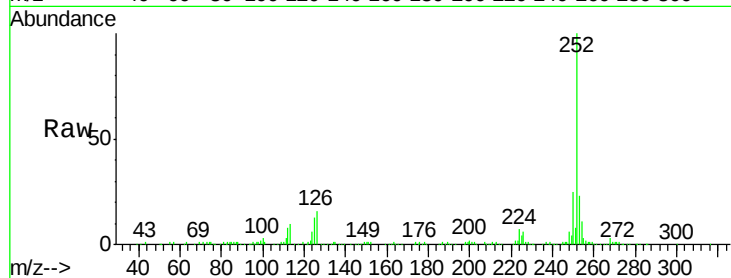
Tot Ion:252 Resp: 136296

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

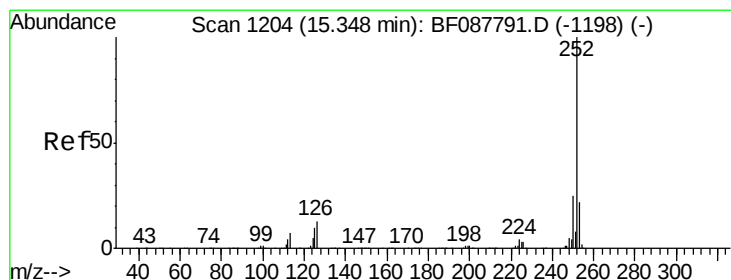
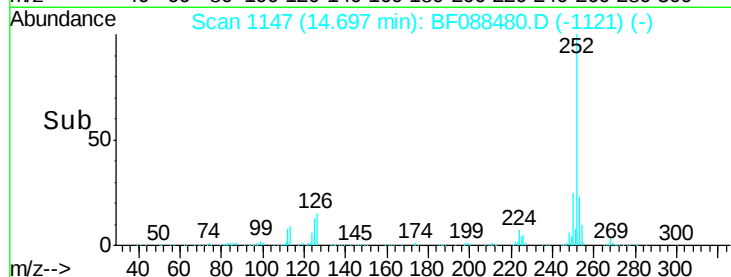
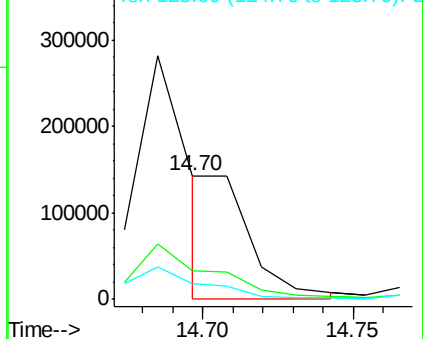
125 13.1 11.2 16.8



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: 24.54 ng

RT: 14.99 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

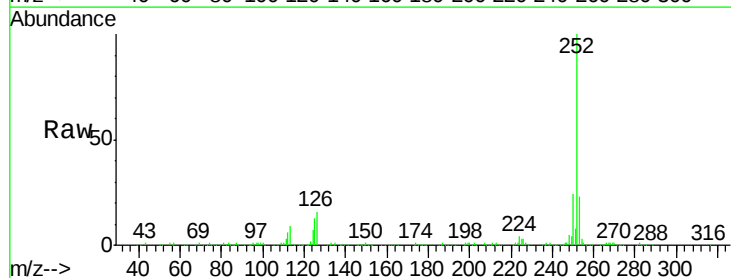
Tgt Ion:252 Resp: 225555

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

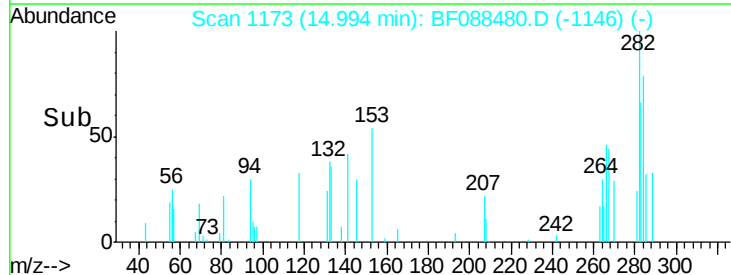
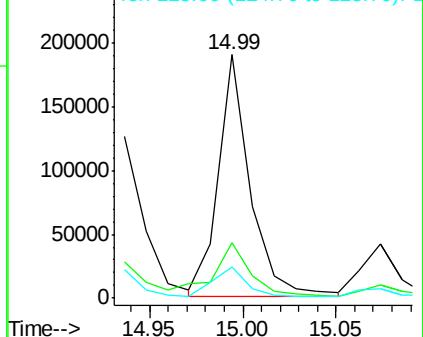
125 12.8 12.5 18.7

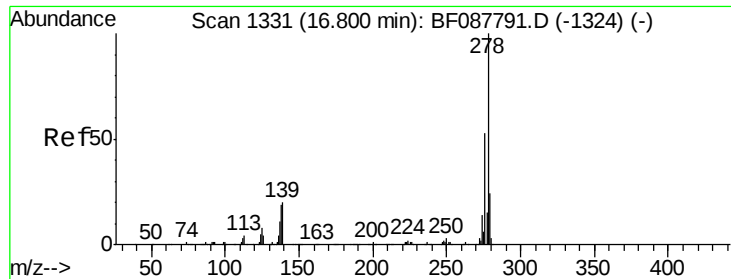


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.29 ng

RT: 16.27 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)DL

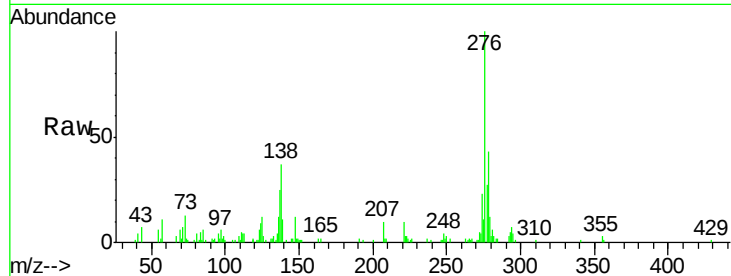
Tot Ion:278 Resp: 36612

Ion Ratio Lower Upper

278 100

139 24.5 15.7 23.5#

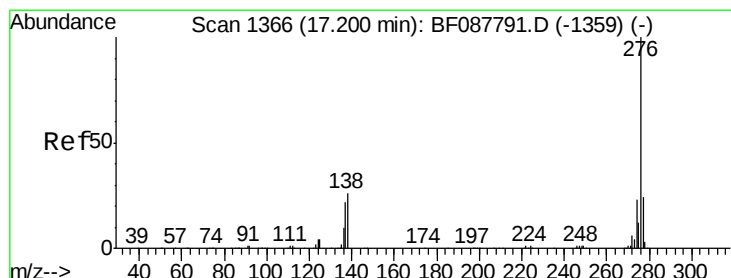
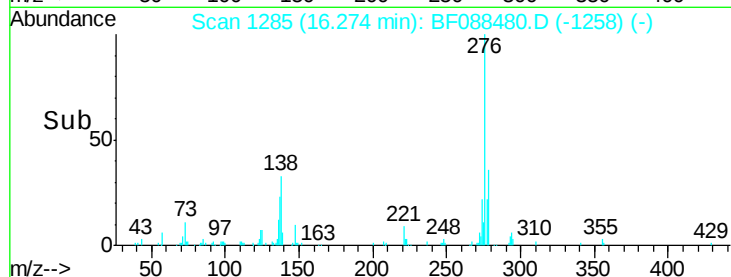
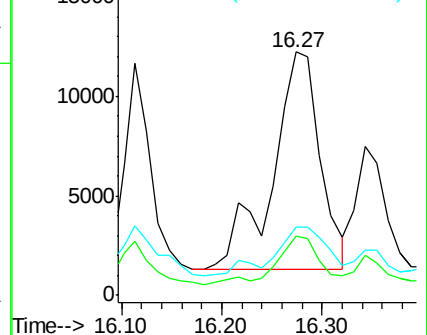
279 27.8 19.4 29.2



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: 7.22 ng

RT: 16.65 min Scan# 1318

Delta R.T. 0.02 min

Lab File: BF088480.D

Acq: 28 Jun 2016 6:33

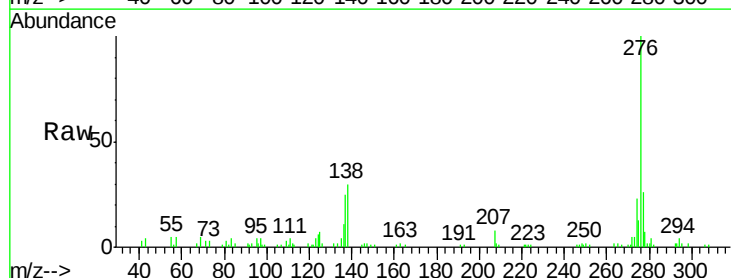
Tgt Ion:276 Resp: 63401

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 29.8 21.4 32.2



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

