

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088383.D
 Acq On : 25 Jun 2016 18:12
 Operator : UM/SJ
 Sample : H3622-19
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Jun 26 03:26:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

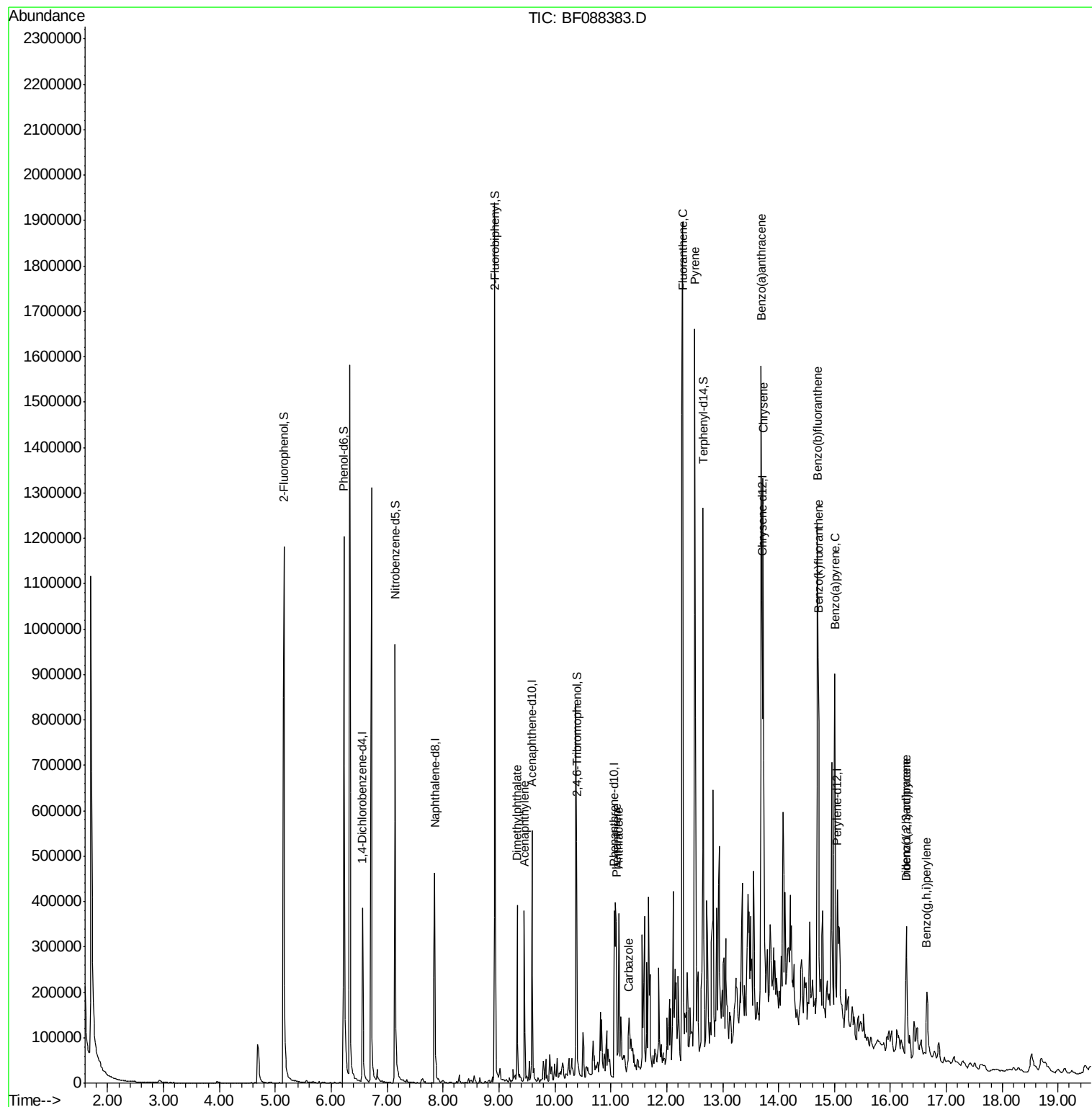
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	76469	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	292879	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	125063	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	201631	20.00	ng	-0.06
75) Chrysene-d12	13.70	240	147265	20.00	ng	-0.05
86) Perylene-d12	15.05	264	139438	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	566307	126.60	ng	-0.02
7) Phenol-d6	6.23	99	693277	127.89	ng	-0.03
23) Nitrobenzene-d5	7.14	82	473330	94.37	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	135500	102.61	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	679492	85.38	ng	-0.05
78) Terphenyl-d14	12.65	244	412139	63.68	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.45	152	181736	14.12	ng	99
49) Dimethylphthalate	9.32	163	149592	16.51	ng	100
70) Phenanthrene	11.10	178	217810	20.59	ng	98
71) Anthracene	11.14	178	182979	17.14	ng	97
72) Carbazole	11.31	167	23458	2.35	ng	# 88
74) Fluoranthene	12.29	202	1070812	95.90	ng	96
77) Pyrene	12.50	202	841615	77.01	ng	99
80) Benzo(a)anthracene	13.69	228	742031	88.42	ng	94
82) Chrysene	13.73	228	474479m	60.10	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	166379	22.68	ng	# 100
87) Benzo(b)fluoranthene	14.70	252	613812m	63.16	ng	
88) Benzo(k)fluoranthene	14.71	252	244190m	33.31	ng	
89) Benzo(a)pyrene	15.01	252	393172m	50.00	ng	
90) Dibenzo(a,h)anthracene	16.29	278	52887m	7.24	ng	
91) Benzo(a,h,i)perylene	16.65	276	119477	15.90	ng	96

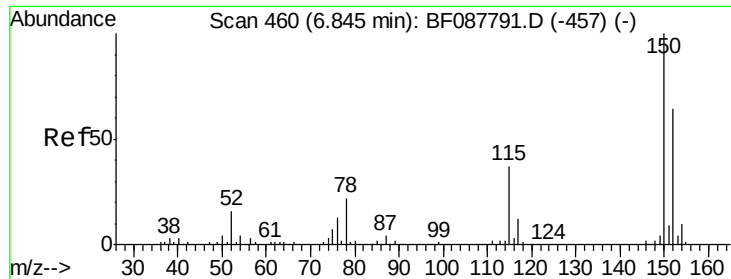
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

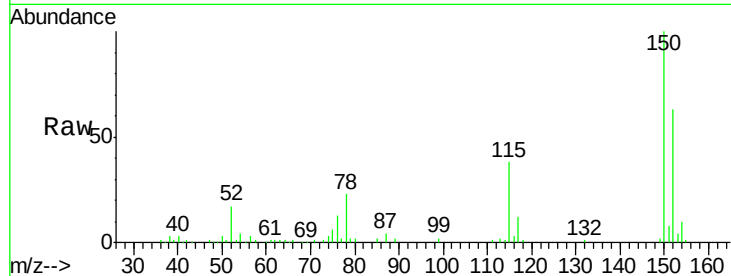
Tot Ion:152 Resp: 76469

Ion Ratio Lower Upper

152 100

150 157.8 123.8 185.6

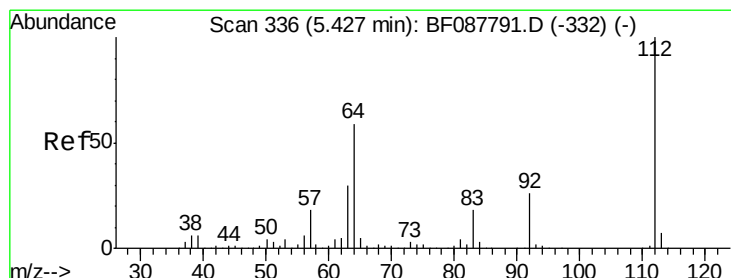
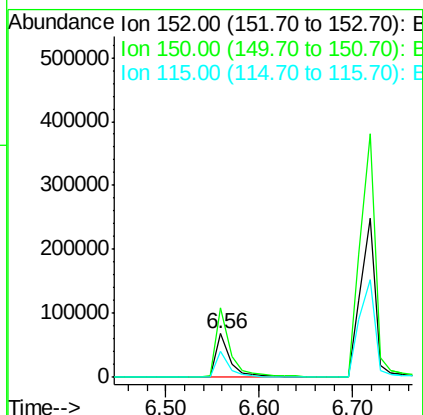
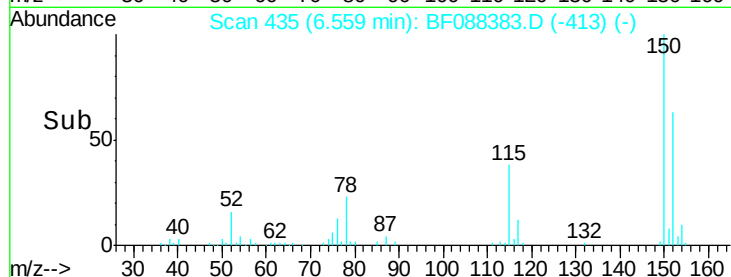
115 60.6 39.6 59.4#



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: 126.60 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

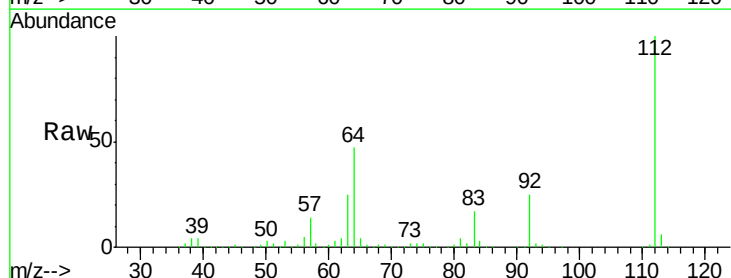
Tgt Ion:112 Resp: 566307

Ion Ratio Lower Upper

112 100

64 47.2 42.2 63.2

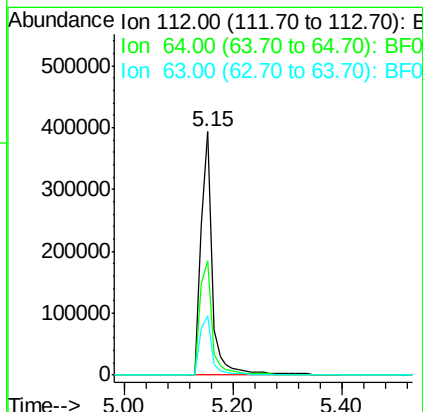
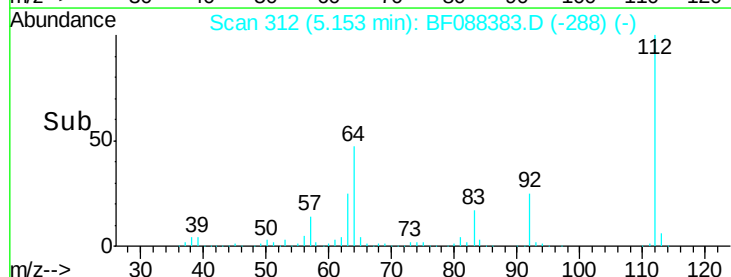
63 24.6 21.8 32.8

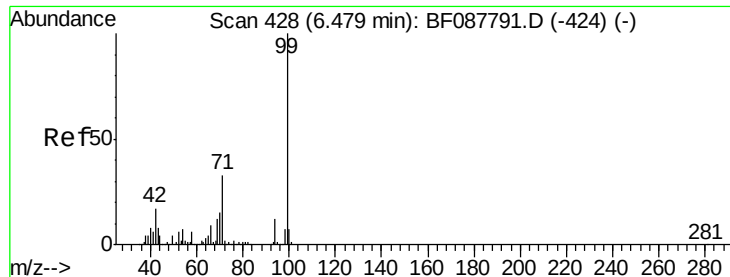


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.89 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

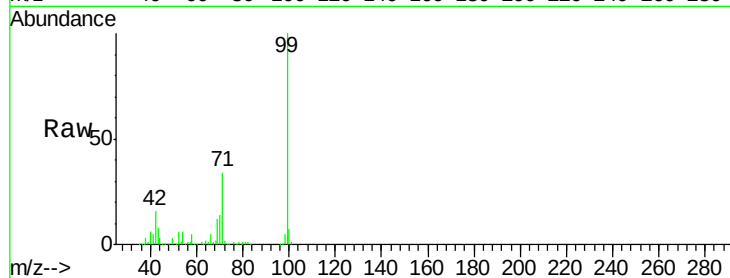
BNA_F

ClientSampleId :

SC-STA-1471(0-4)

Tot Ion: 99 Resp: 693277

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.2	18.2
71	34.1	23.4	35.0

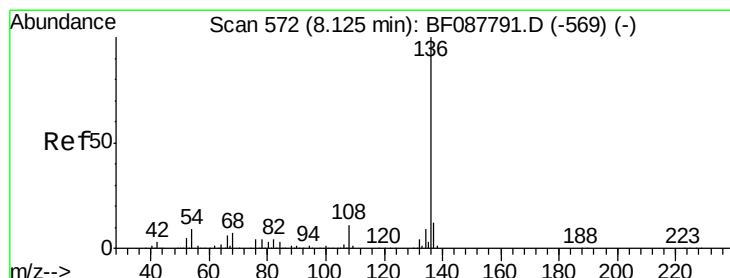
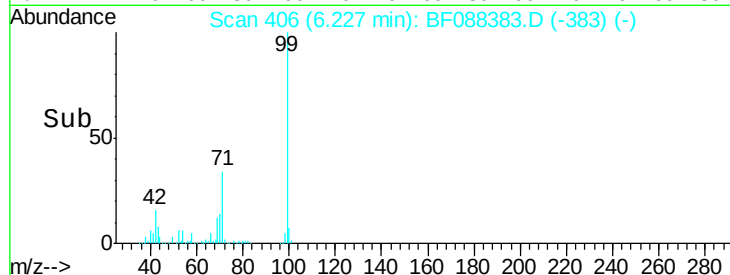
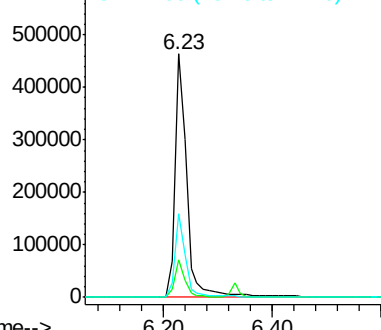


Abundance

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: 7.85 min Scan# 548

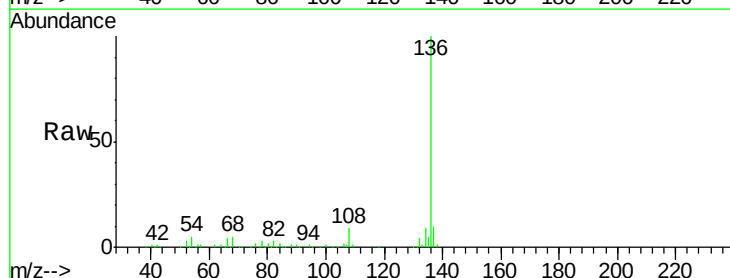
Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Tgt Ion: 136 Resp: 292879

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.1	6.6	10.0#
68	4.6	5.1	7.7#



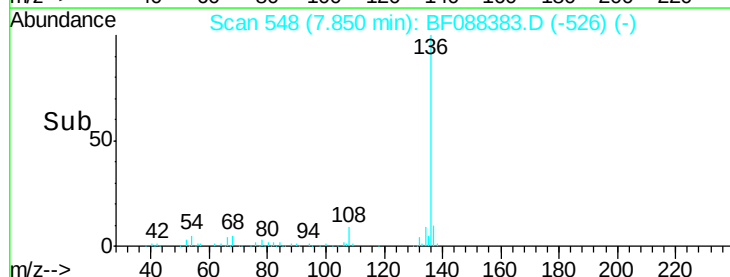
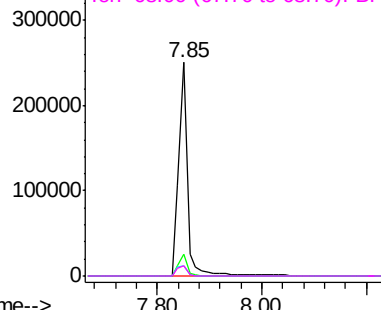
Abundance

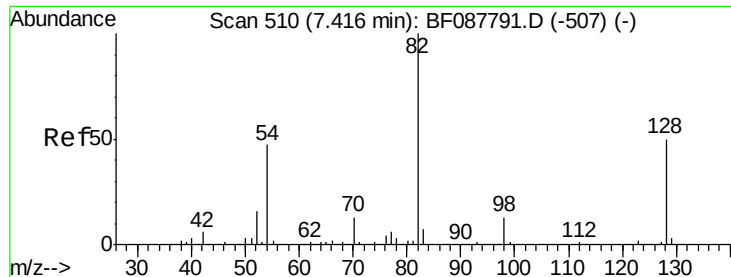
Ion 136.00 (135.70 to 136.70): E

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

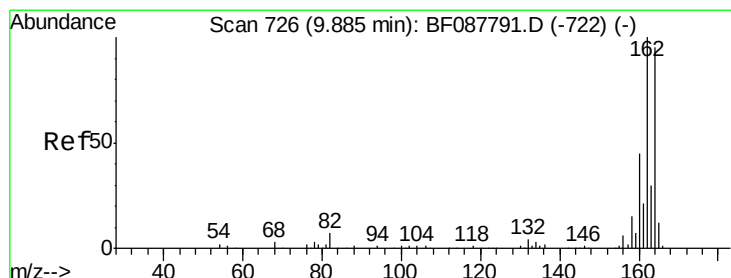
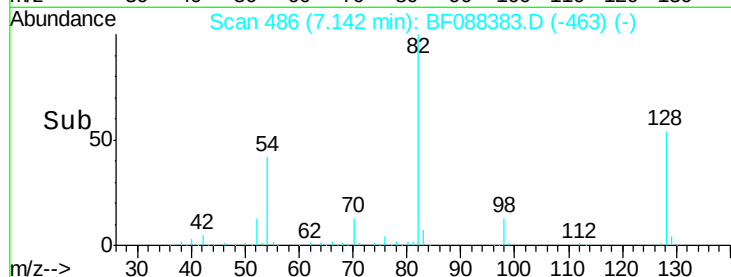
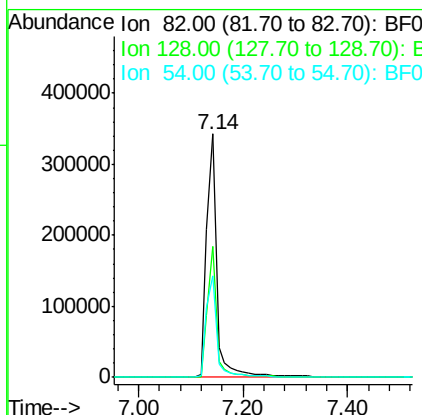
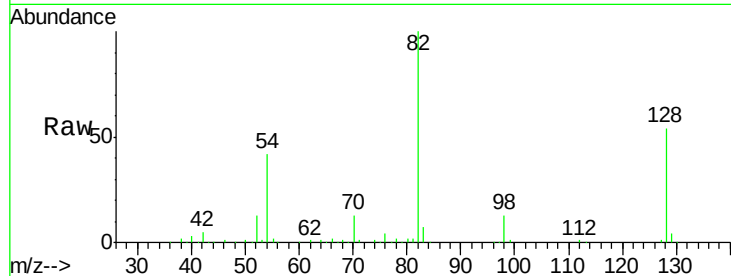




#23
 Nitrobenzene-d5
 Concen: 94.37 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088383.D
 Acq: 25 Jun 2016 18:12

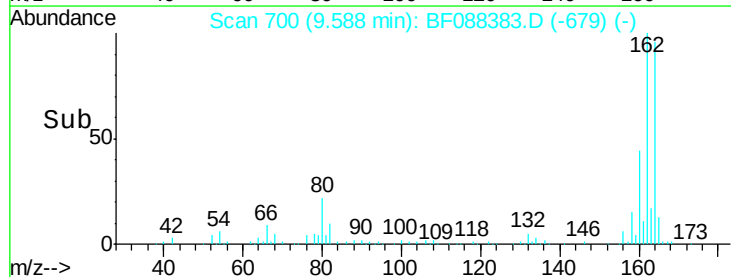
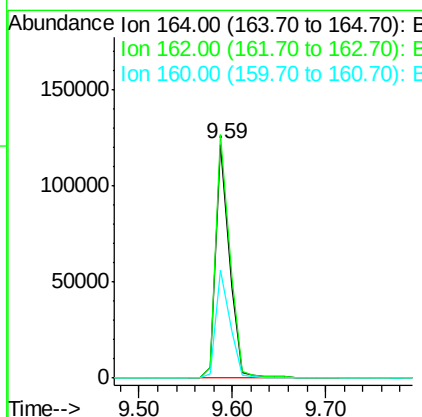
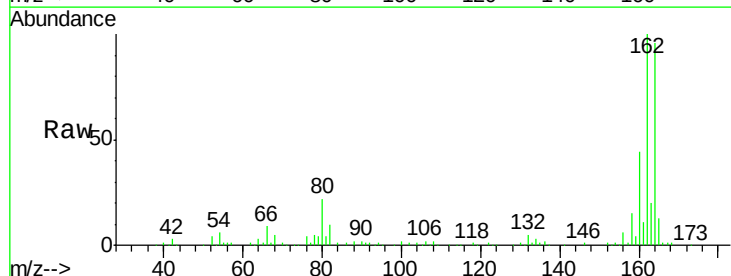
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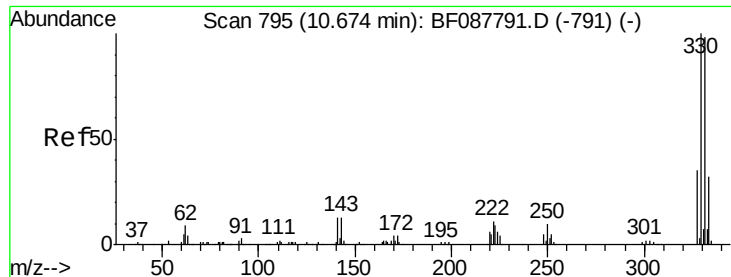
Tot Ion: 82 Resp: 473330
 Ion Ratio Lower Upper
 82 100
 128 53.6 35.9 53.9
 54 42.0 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088383.D
 Acq: 25 Jun 2016 18:12

Tgt Ion:164 Resp: 125063
 Ion Ratio Lower Upper
 164 100
 162 104.1 85.4 128.2
 160 46.3 39.5 59.3

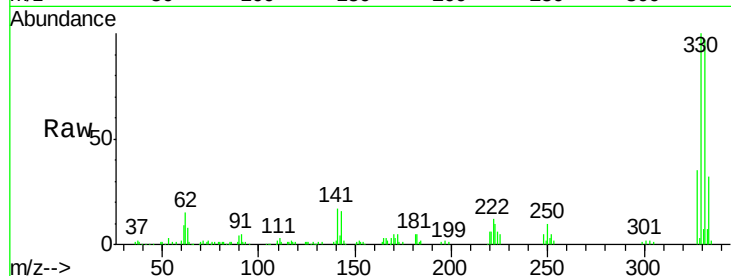




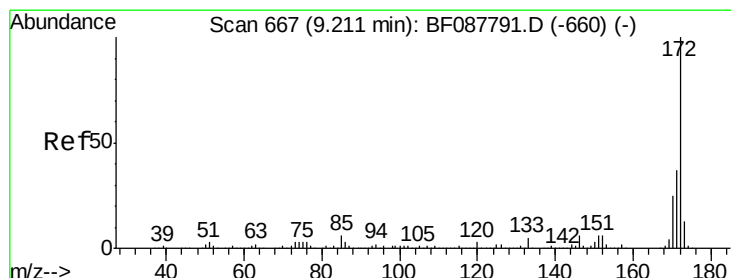
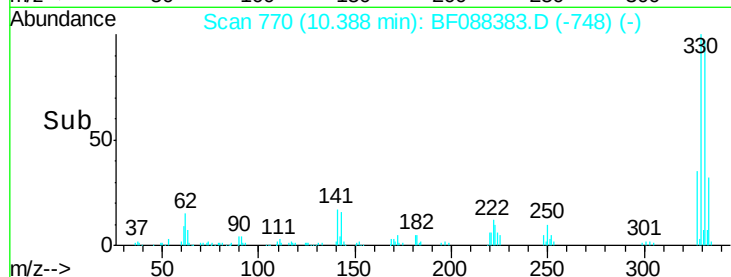
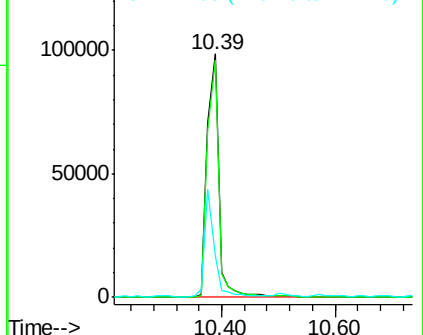
#41
 2,4,6-Tribromophenol
 Concen: 102.61 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088383.D
 Acq: 25 Jun 2016 18:12

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	37.9	0.0	0.0#

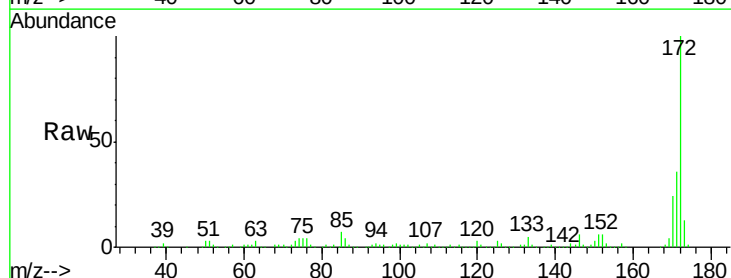


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

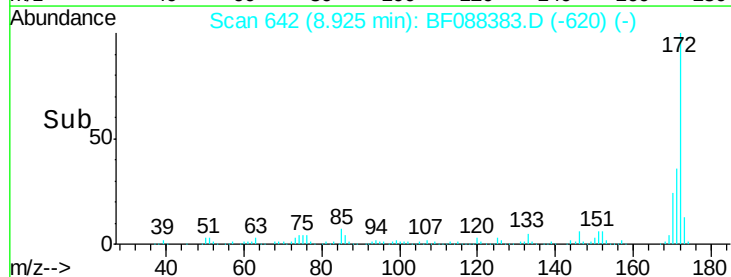
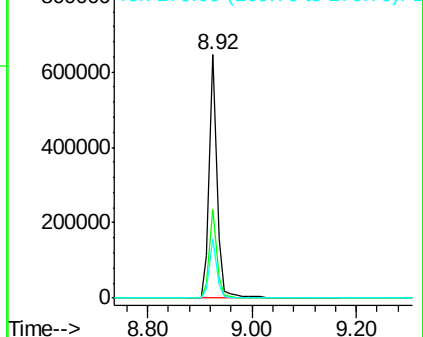


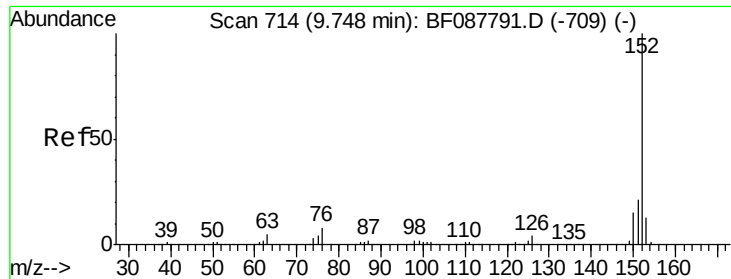
#44
 2-Fluorobiphenyl
 Concen: 85.38 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088383.D
 Acq: 25 Jun 2016 18:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.3	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: 14.12 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

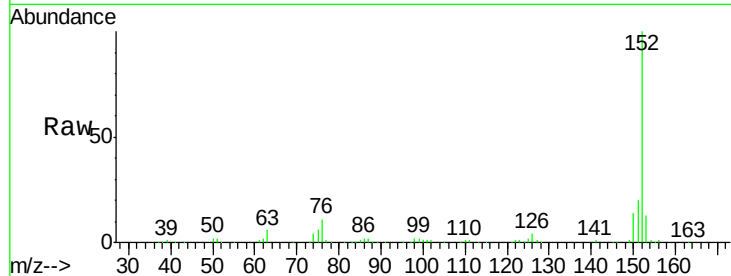
Tot Ion:152 Resp: 181736

Ion Ratio Lower Upper

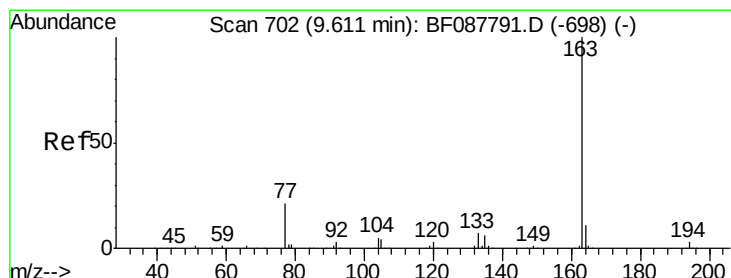
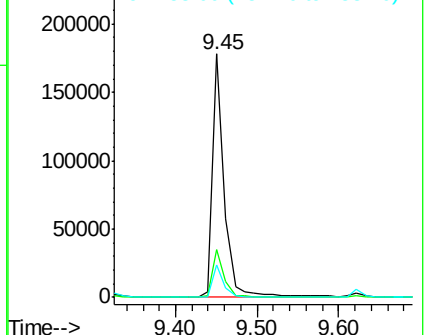
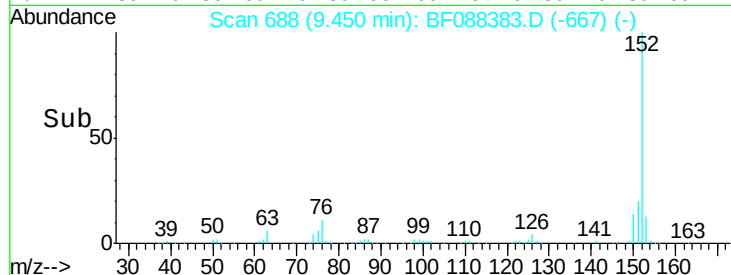
152 100

151 19.7 16.2 24.4

153 13.4 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: 16.51 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

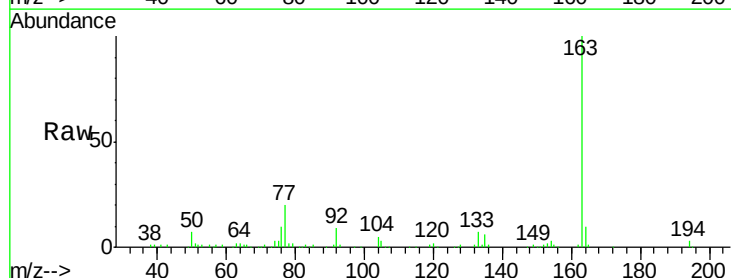
Tgt Ion:163 Resp: 149592

Ion Ratio Lower Upper

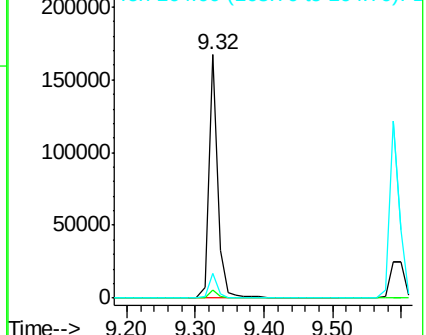
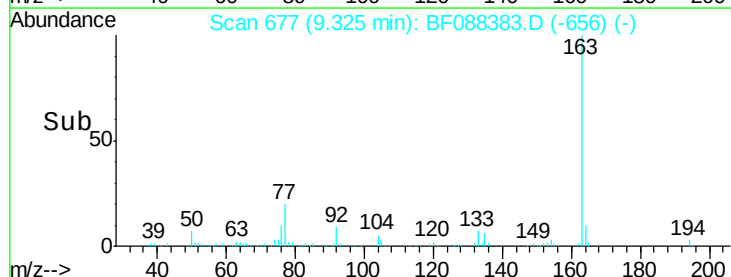
163 100

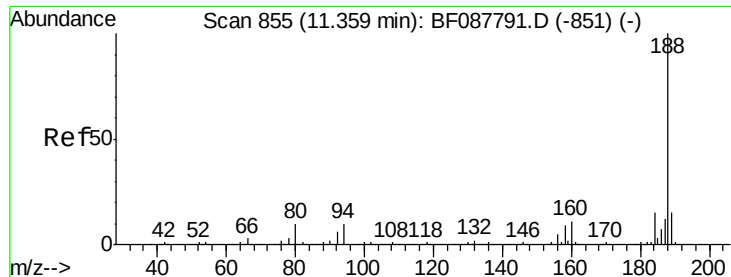
194 3.2 2.8 4.2

164 10.3 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

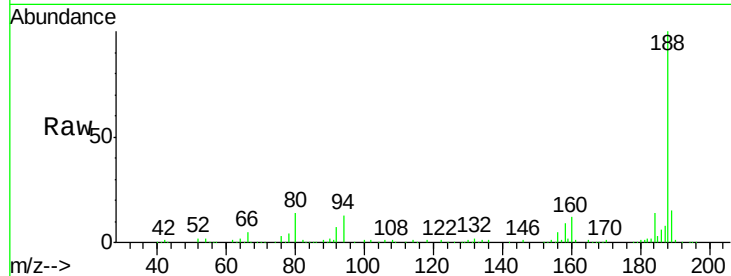




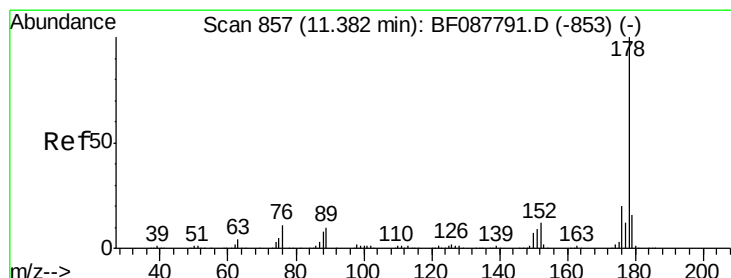
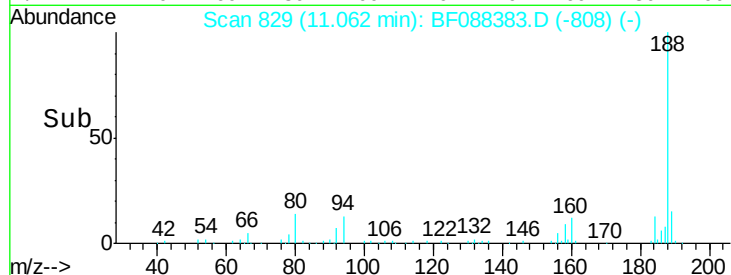
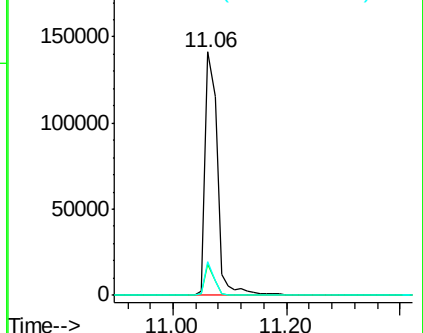
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088383.D
Acq: 25 Jun 2016 18:12

Instrument :
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SC-STA-1471(0-4)

Tot Ion:188 Resp: 201631
Ion Ratio Lower Upper
188 100
94 12.9 9.0 13.6
80 14.0 10.0 15.0

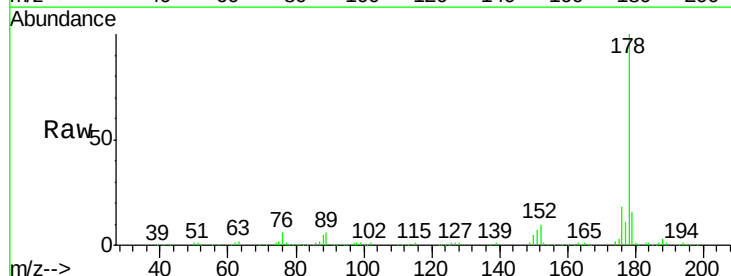


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

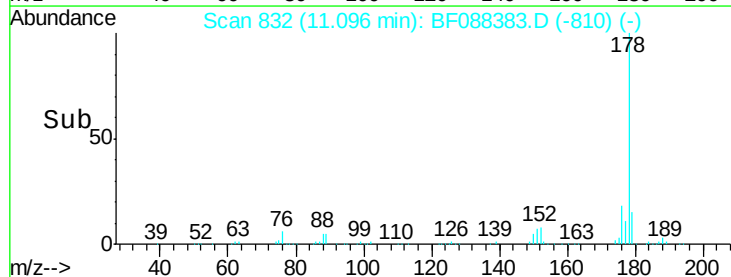
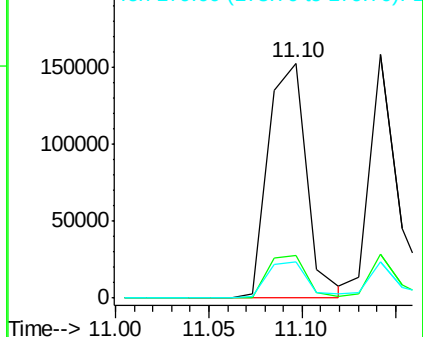


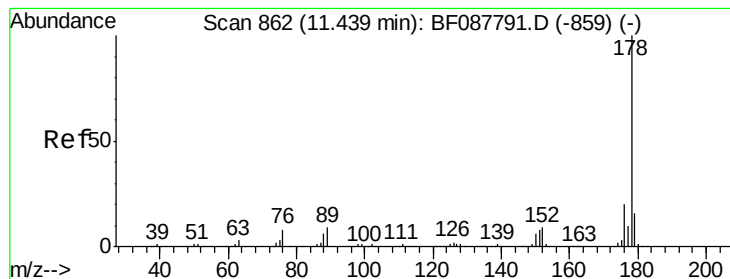
#70
Phenanthrene
Concen: 20.59 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088383.D
Acq: 25 Jun 2016 18:12

Tgt Ion:178 Resp: 217810
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 15.6 13.0 19.4



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





#71

Anthracene

Concen: 17.14 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

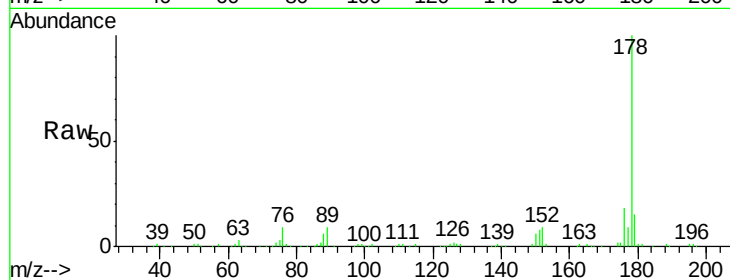
Tot Ion:178 Resp: 182979

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

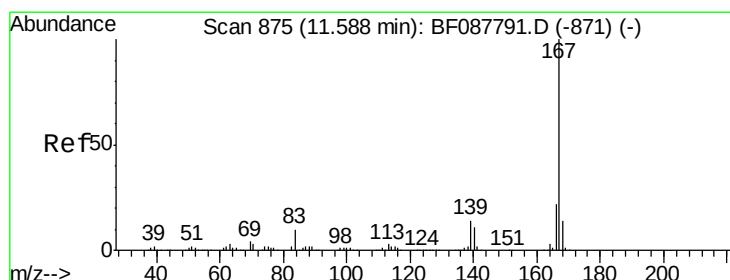
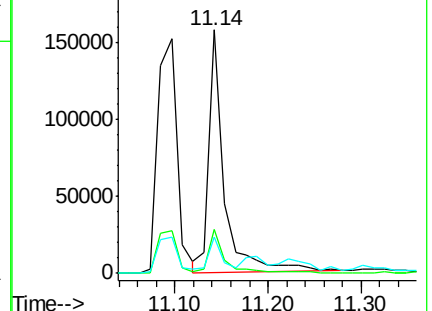
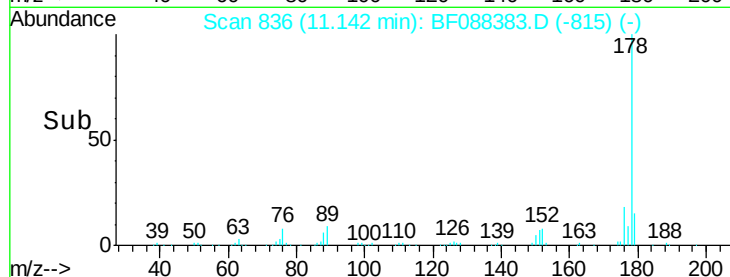
179 15.1 12.8 19.2



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



#72

Carbazole

Concen: 2.35 ng

RT: 11.31 min Scan# 851

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

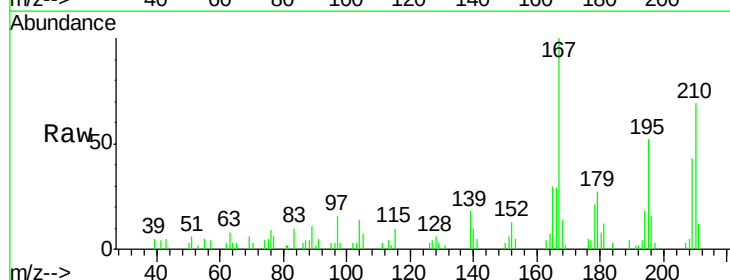
Tgt Ion:167 Resp: 23458

Ion Ratio Lower Upper

167 100

166 28.7 17.8 26.6#

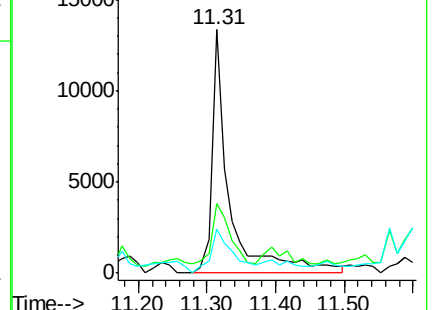
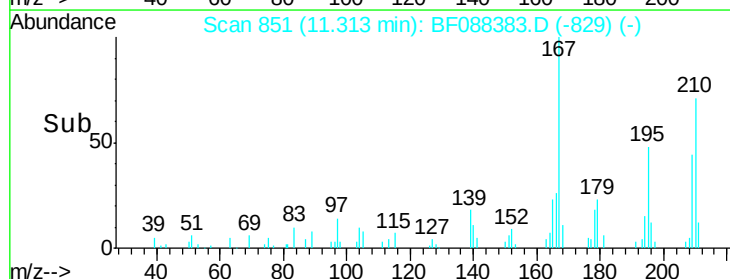
139 17.9 11.2 16.8#

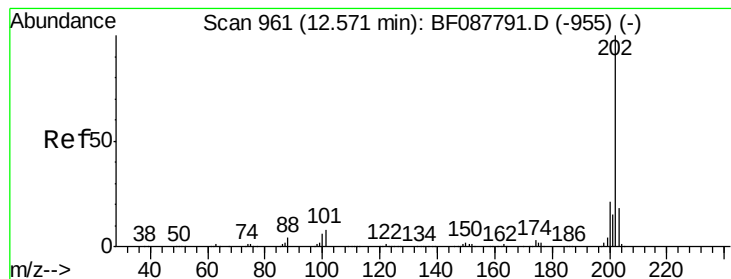


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 95.90 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

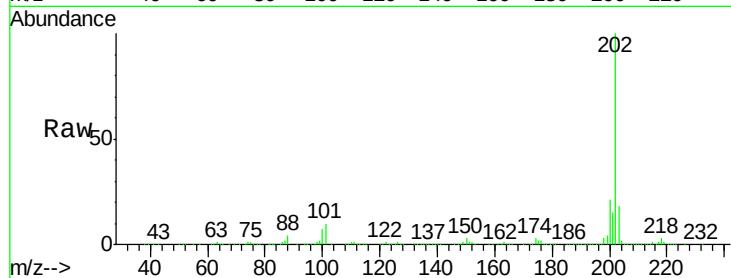
Tot Ion:202 Resp: 1070812

Ion Ratio Lower Upper

202 100

101 9.7 0.0 33.1

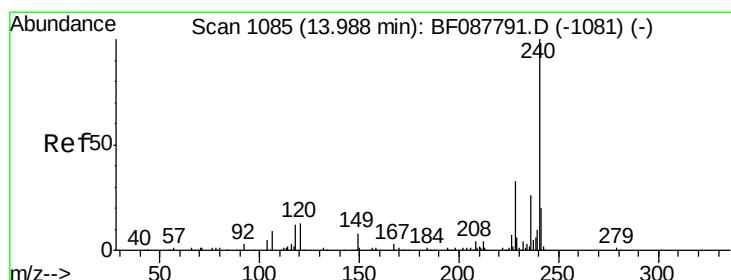
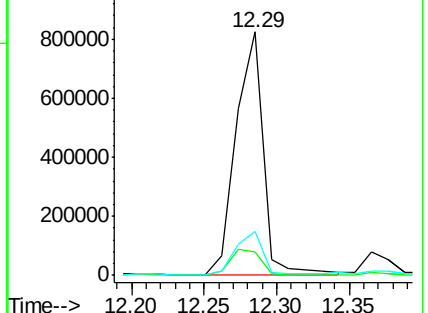
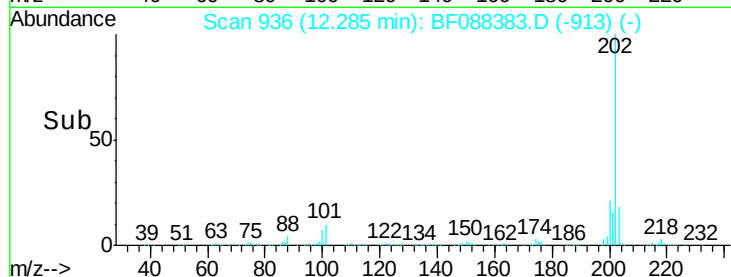
203 17.8 0.0 38.1



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: 13.70 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

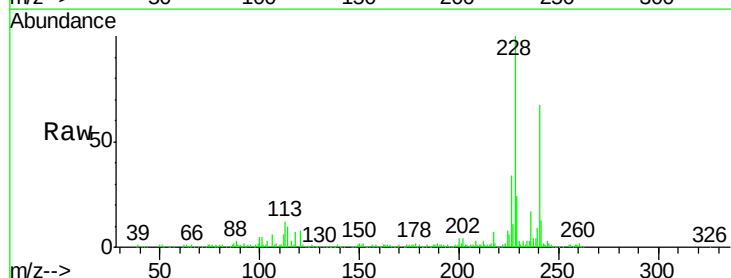
Tgt Ion:240 Resp: 147265

Ion Ratio Lower Upper

240 100

120 12.5 6.8 10.2#

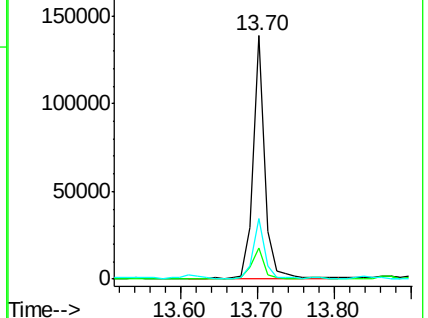
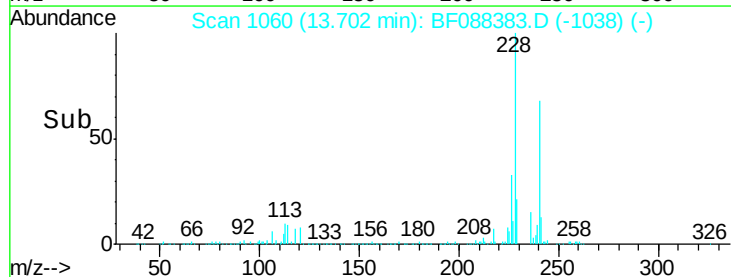
236 25.0 20.2 30.2

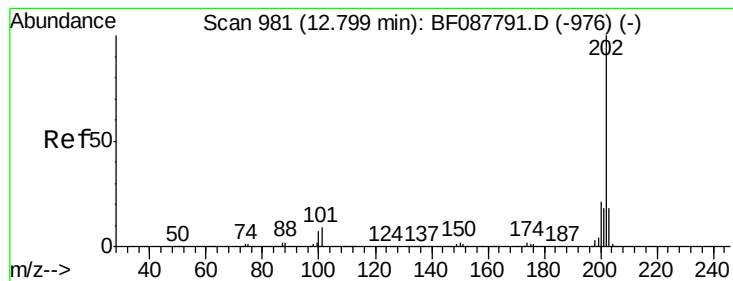


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 77.01 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

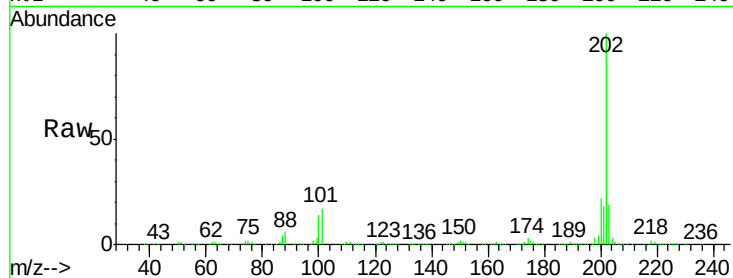
Tot Ion:202 Resp: 841615

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

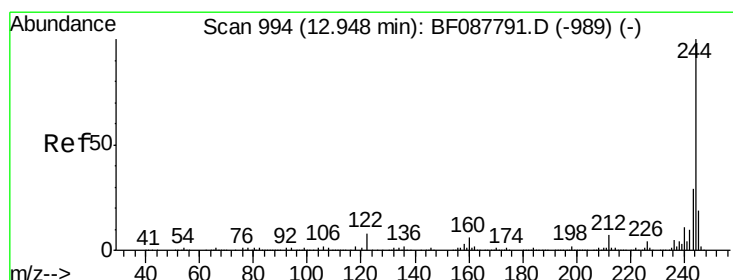
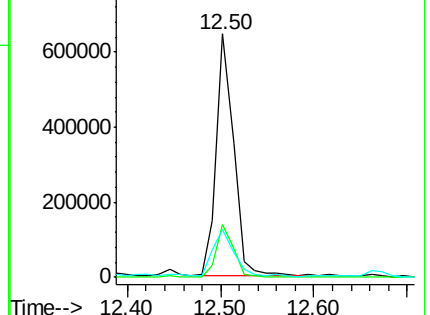
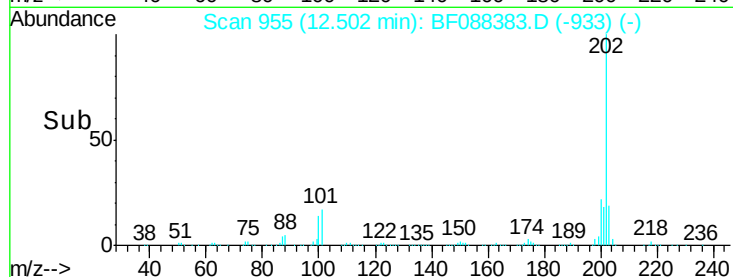
203 19.5 14.5 21.7



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: 63.68 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

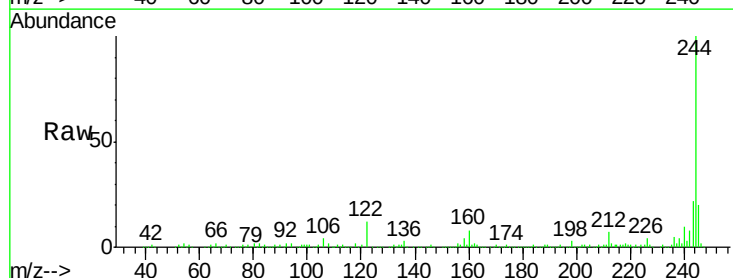
Tgt Ion:244 Resp: 412139

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

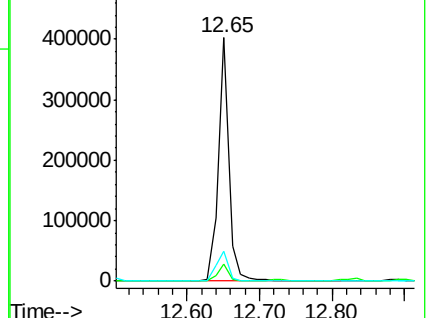
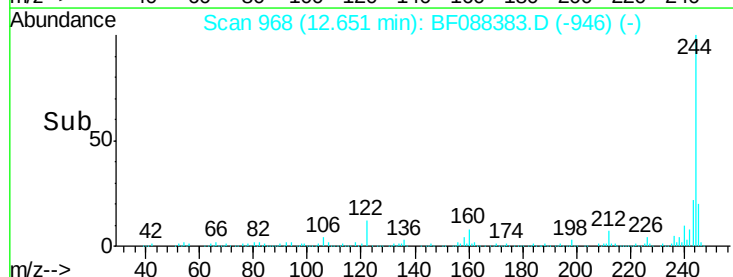
122 12.0 11.2 16.8

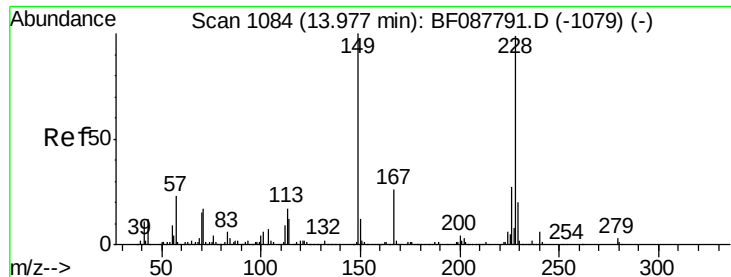


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 88.42 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

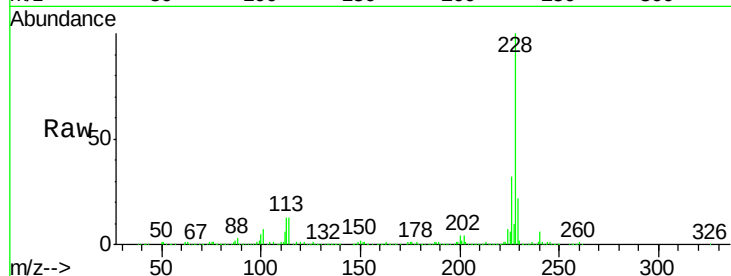
Tot Ion:228 Resp: 742031

Ion Ratio Lower Upper

228 100

226 32.2 22.3 33.5

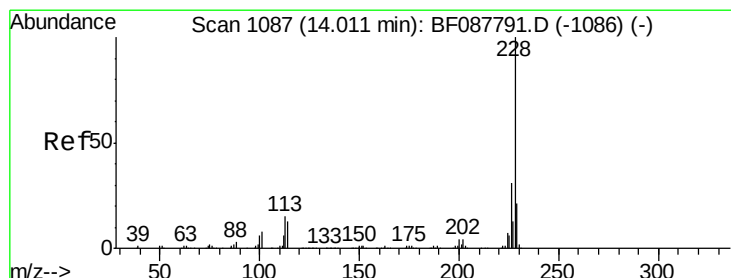
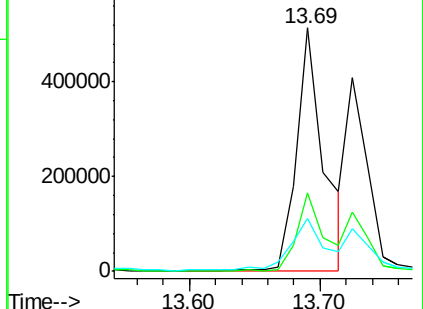
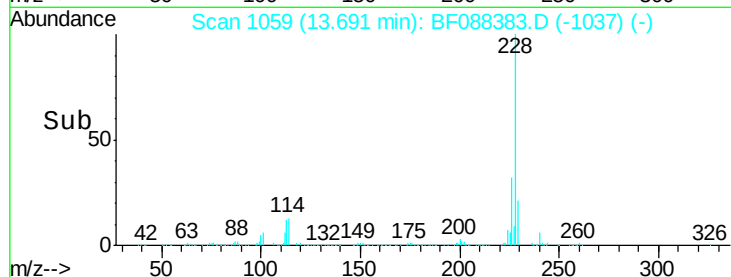
229 21.5 16.0 24.0



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: 60.10 ng m

RT: 13.73 min Scan# 1062

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

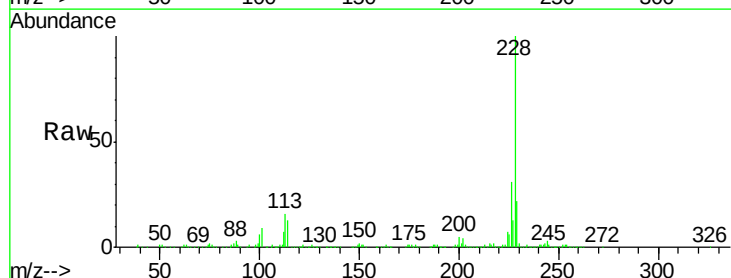
Tgt Ion:228 Resp: 474479

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.2

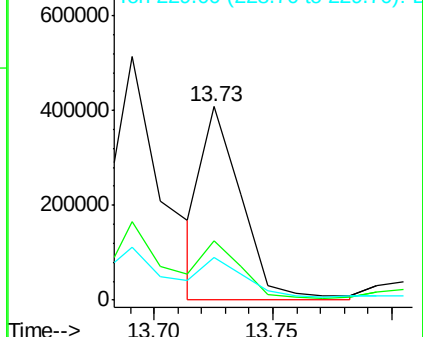
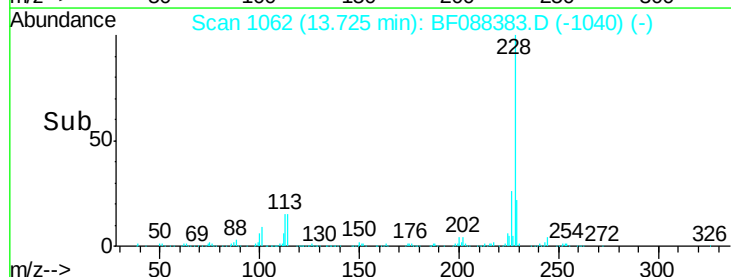
229 22.4 16.3 24.5

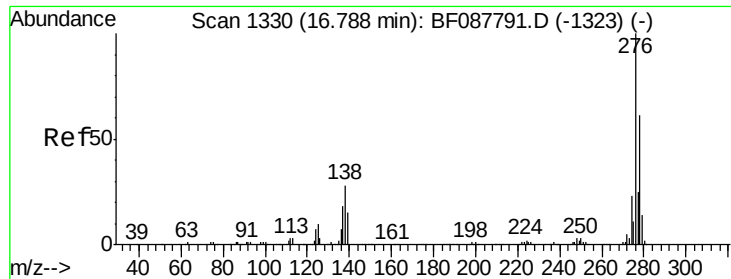


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

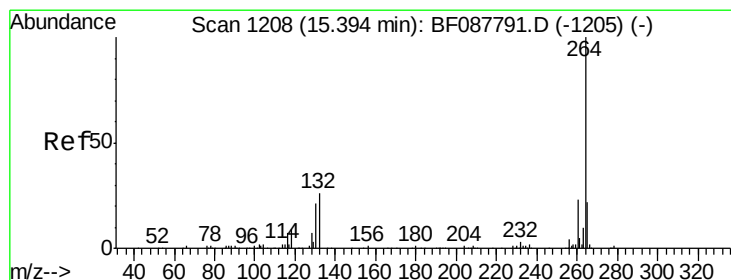
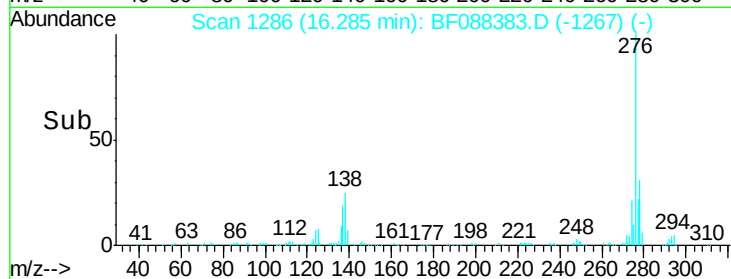
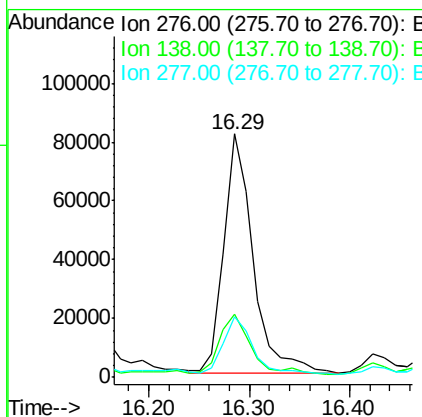
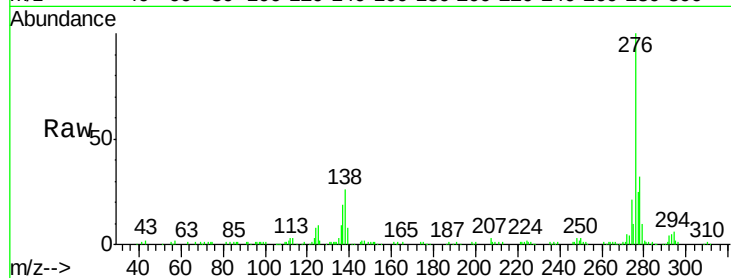




#85
Indeno(1,2,3-cd)pyrene
Concen: 22.68 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088383.D
Acq: 25 Jun 2016 18:12

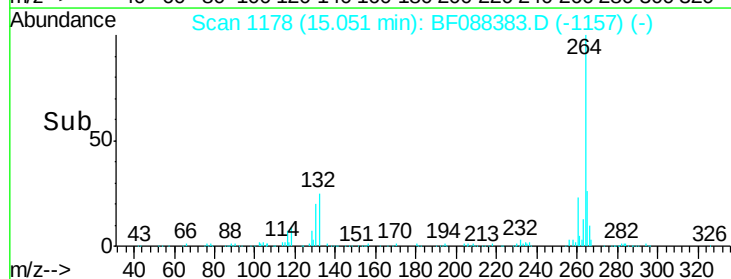
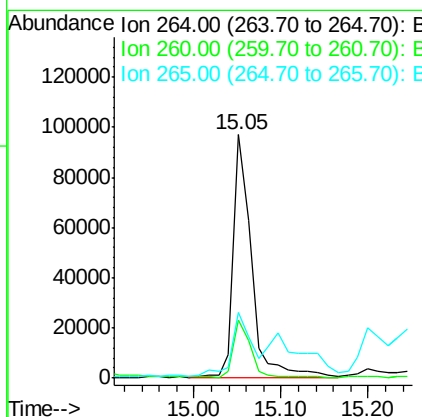
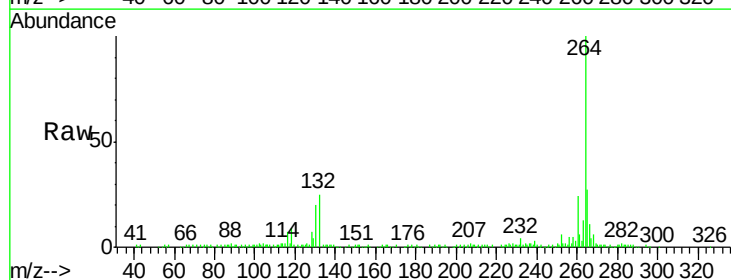
Instrument :
BNA_F
ClientSampleId :
SC-STA-1471(0-4)

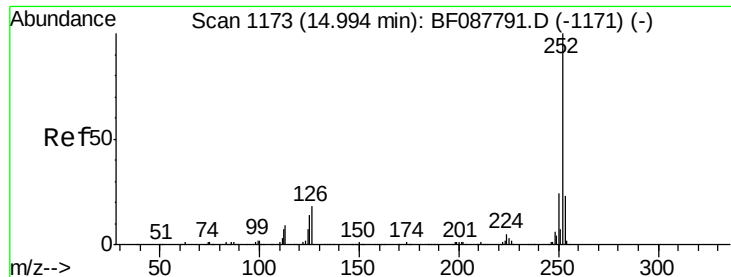
Tot Ion:276 Resp: 166379
Ion Ratio Lower Upper
276 100
138 28.5 0.0 0.0#
277 23.5 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088383.D
Acq: 25 Jun 2016 18:12

Tgt Ion:264 Resp: 139438
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 27.0 16.9 25.3#

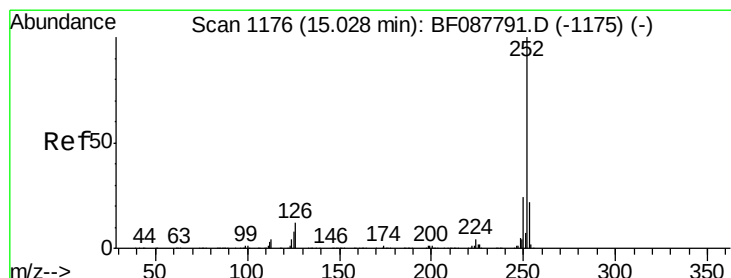
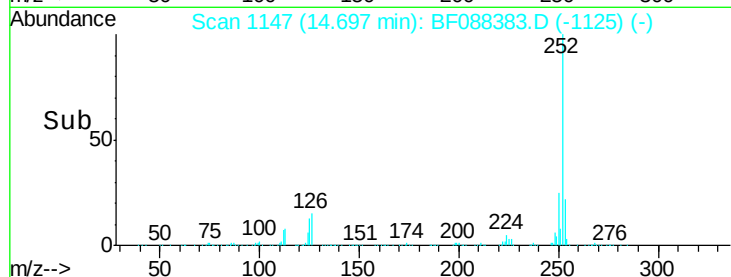
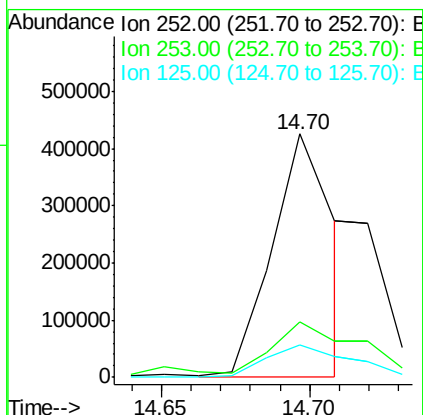
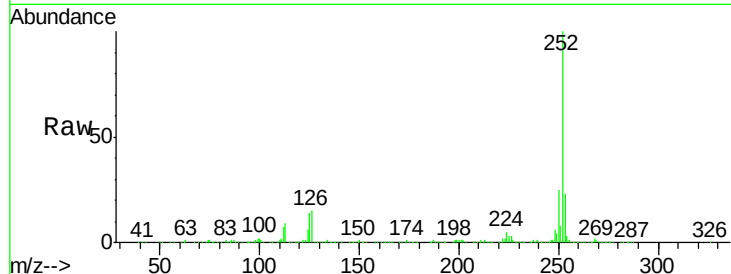




#87
Benzo(b)fluoranthene
Concen: 63.16 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088383.D
Acq: 25 Jun 2016 18:12

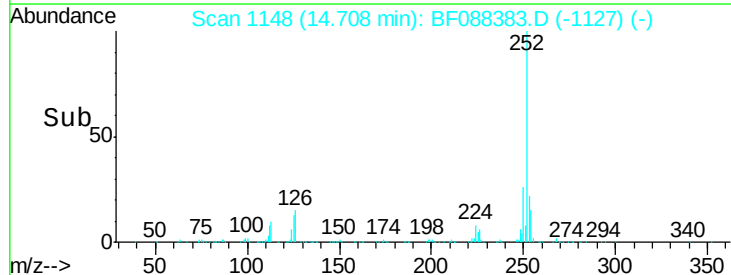
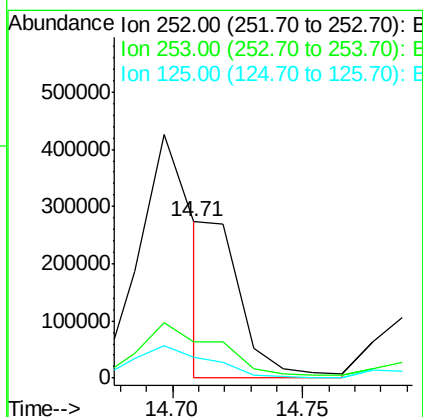
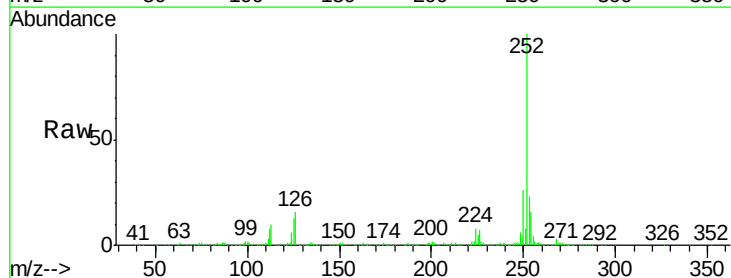
Instrument :
BNA_F
ClientSampleId :
SC-STA-1471(0-4)

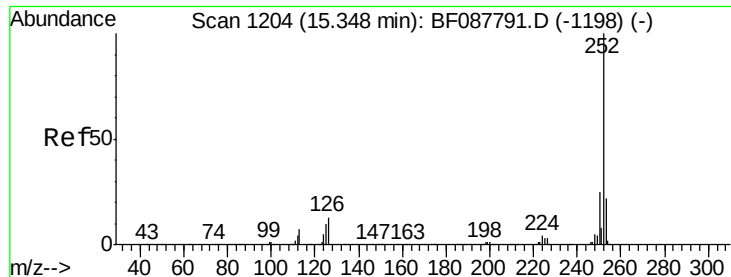
Tot Ion:252 Resp: 613812
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 13.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 33.31 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF088383.D
Acq: 25 Jun 2016 18:12

Tgt Ion:252 Resp: 244190
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 13.1 11.2 16.8





#89

Benzo(a)pyrene

Concen: 50.00 ng m

RT: 15.01 min Scan# 1174

Delta R.T. -0.05 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

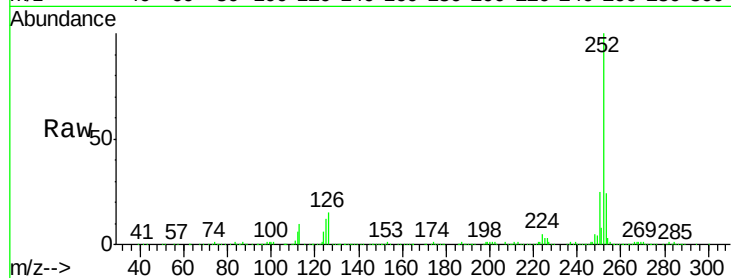
Tot Ion:252 Resp: 393172

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

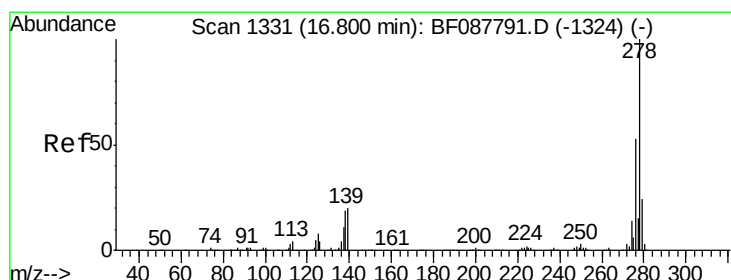
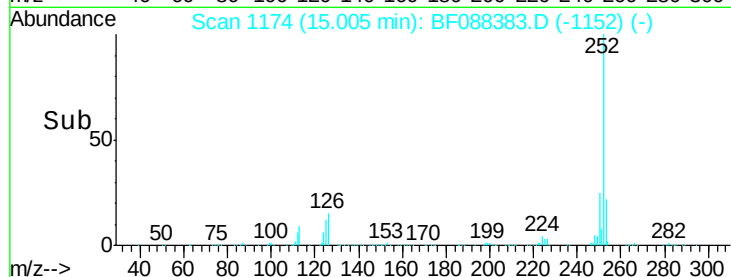
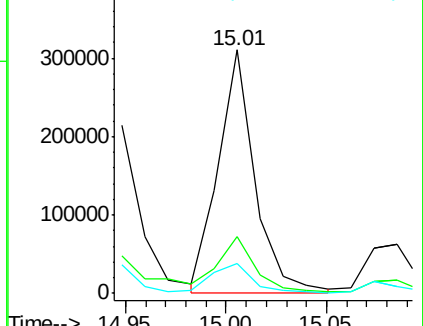
125 12.0 12.5 18.7#



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: 7.24 ng m

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

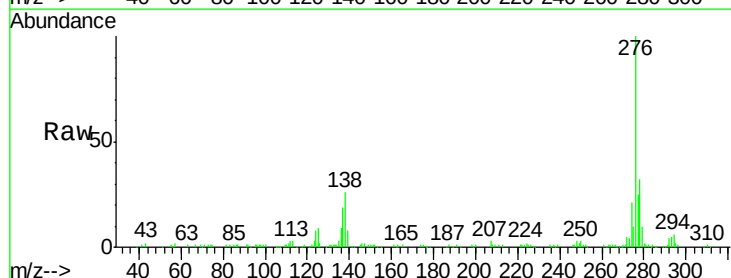
Tgt Ion:278 Resp: 52887

Ion Ratio Lower Upper

278 100

139 24.3 15.7 23.5#

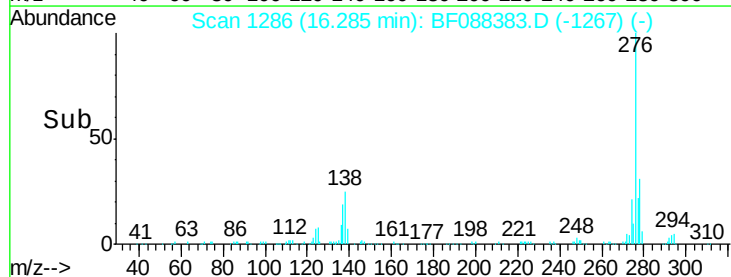
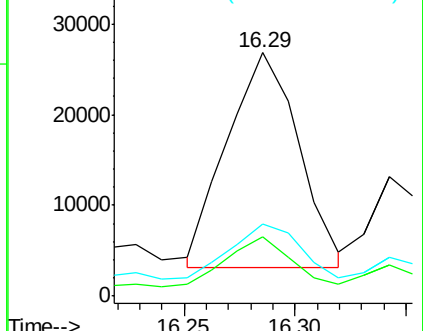
279 29.6 19.4 29.2#

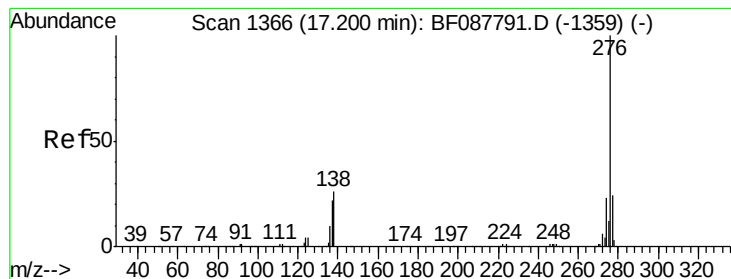


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 15.90 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088383.D

Acq: 25 Jun 2016 18:12

Instrument :

BNA_F

ClientSampleId :

SC-STA-1471(0-4)

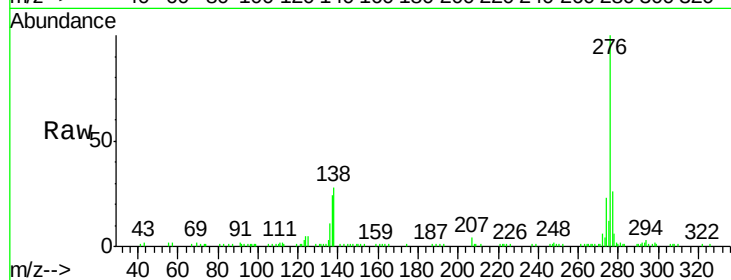
Tot Ion: 276 Resp: 119477

Ion Ratio Lower Upper

276 100

277 26.0 18.9 28.3

138 28.1 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

