Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088380.D
Acq On : 25 Jun 2016 16:45
Operator : UM/SJ
Sample : H3624-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1486(0-4)

Quant Time: Jun 26 03:18:22 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	85063	20.00	ng		-0.05
21) Naphthalene-d8	7.85	136	337787	20.00	ng		-0.05
38) Acenaphthene-d10	9.59	164	141046	20.00	ng		-0.06
63) Phenanthrene-d10	11.06	188	241064	20.00	ng		-0.06
75) Chrysene-d12	13.70	240	151885	20.00	ng		-0.05
86) Perylene-d12	15.05	264	153963	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.14	112	522780	105.07	ng		-0.03
7) Phenol-d6	6.23	99	658224	109.15	ng		-0.03
23) Nitrobenzene-d5	7.14	82	508422	87.89	ng		-0.03
41) 2,4,6-Tribromophenol	10.39	330	130145	87.39	ng		-0.05
44) 2-Fluorobiphenyl	8.92	172	747968	83.19	ng		-0.05
78) Terphenyl-d14	12.65	244	444942	66.66	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	7.87	128	53258	3.19	ng		99
37) 2-Methylnaphthalene	8.56	142	31832	2.89	ng		99
48) Acenaphthylene	9.45	152	210715	14.51	ng		99
49) Dimethylphthalate	9.32	163	133658	13.08	ng		99
70) Phenanthrene	11.10	178	279103	22.06	ng		97
71) Anthracene	11.14	178	220859	17.31	ng		98
72) Carbazole	11.31	167	43291	3.63	ng		97
74) Fluoranthene	12.29	202	1139582	85.37	ng		99
77) Pyrene	12.51	202	1045127	92.73	ng		100
80) Benzo(a)anthracene	13.69	228	703952	81.33	ng		92
82) Chrysene	13.73	228	489633m	60.13	ng		
85) Indeno(1,2,3-cd)pyrene	16.29	276	220573	29.16	ng	#	100
87) Benzo(b)fluoranthene	14.70	252	642711m	59.89	ng		
88) Benzo(k)fluoranthene	14.71	252	284082m	35.09	ng		
89) Benzo(a)pyrene	15.01	252	413527	47.63	ng		96
90) Dibenzo(a,h)anthracene	16.29	278	60196m	7.47	ng		
91) Benzo(g,h,i)perylene	16.66	276	178376	21.50	ng		97

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

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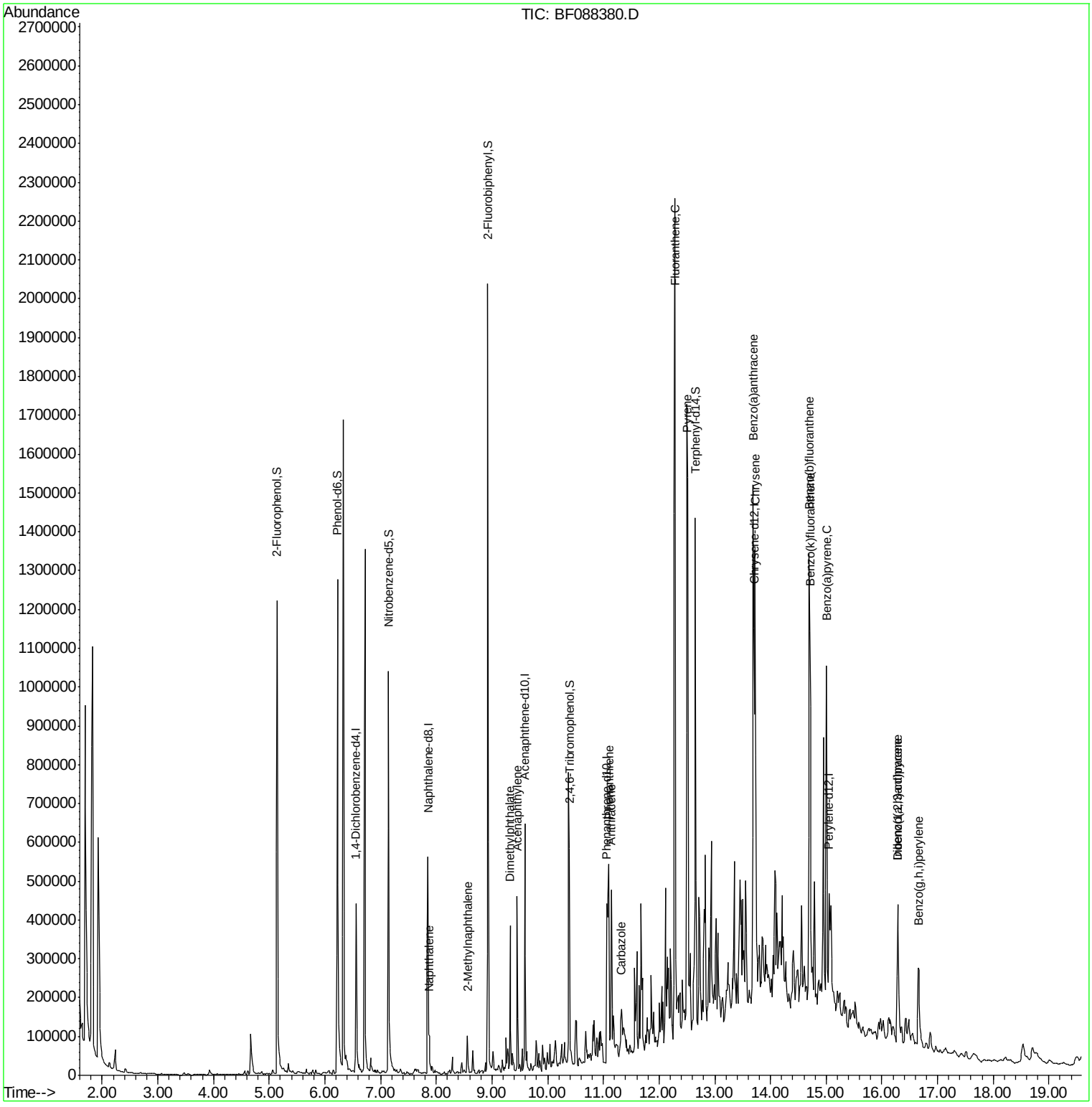
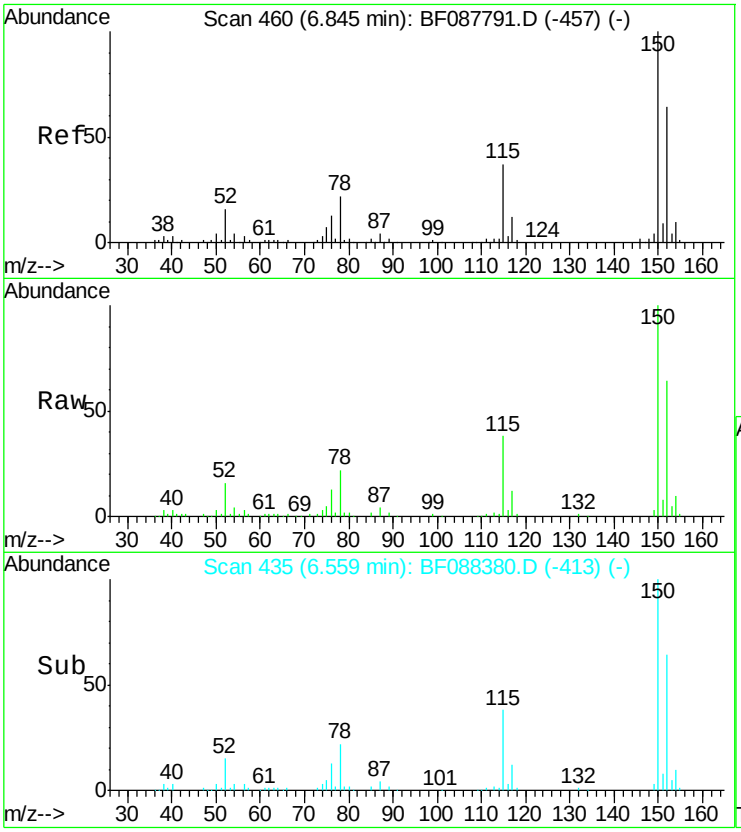


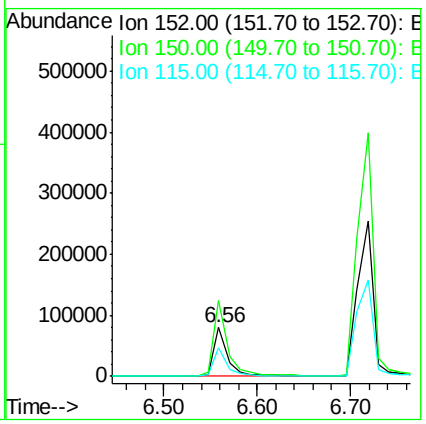


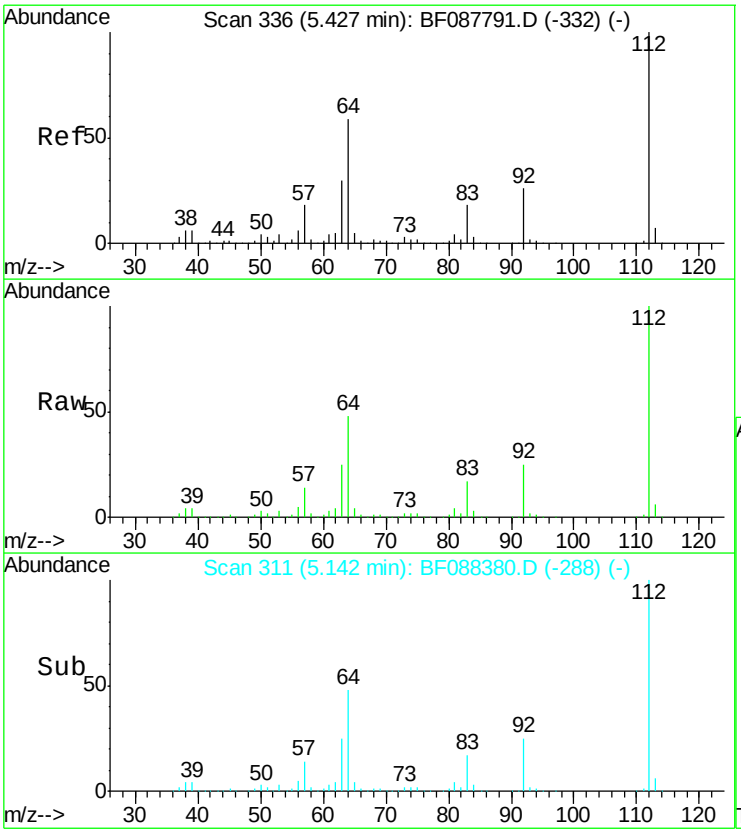
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:152 Resp: 85063

Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.8	185.6
115	59.7	39.6	59.4#

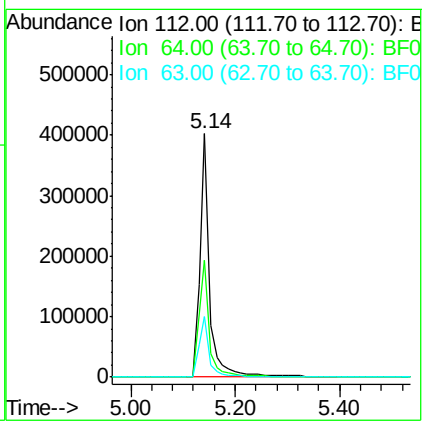


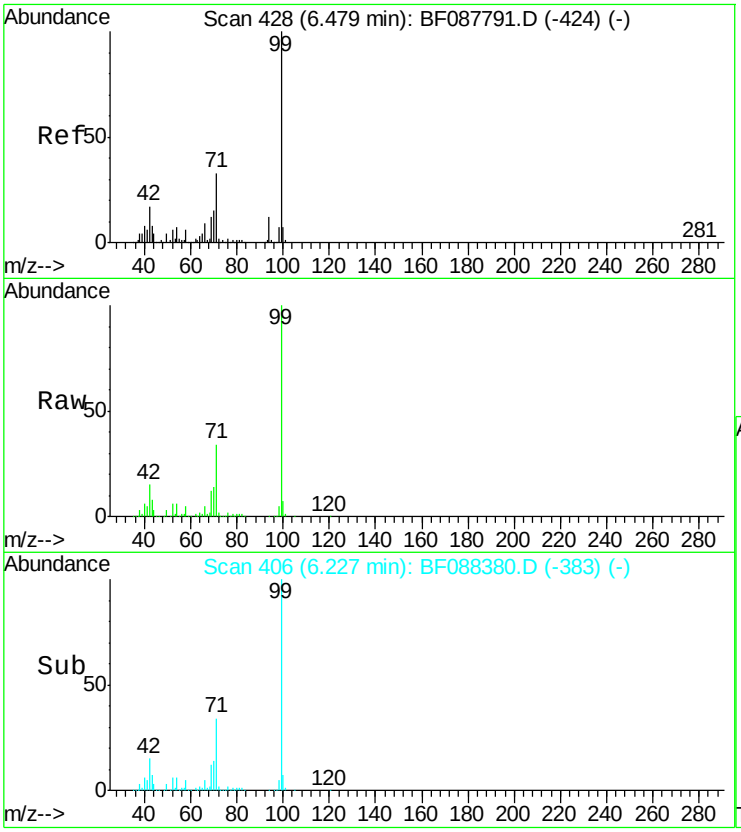


#5
2-Fluorophenol
Concen: 105.07 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:112 Resp: 522780

Ion	Ratio	Lower	Upper
112	100		
64	48.2	42.2	63.2
63	25.0	21.8	32.8



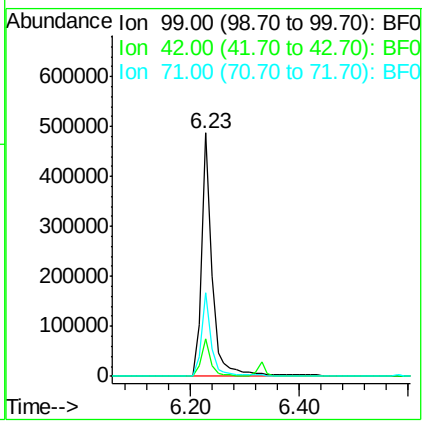


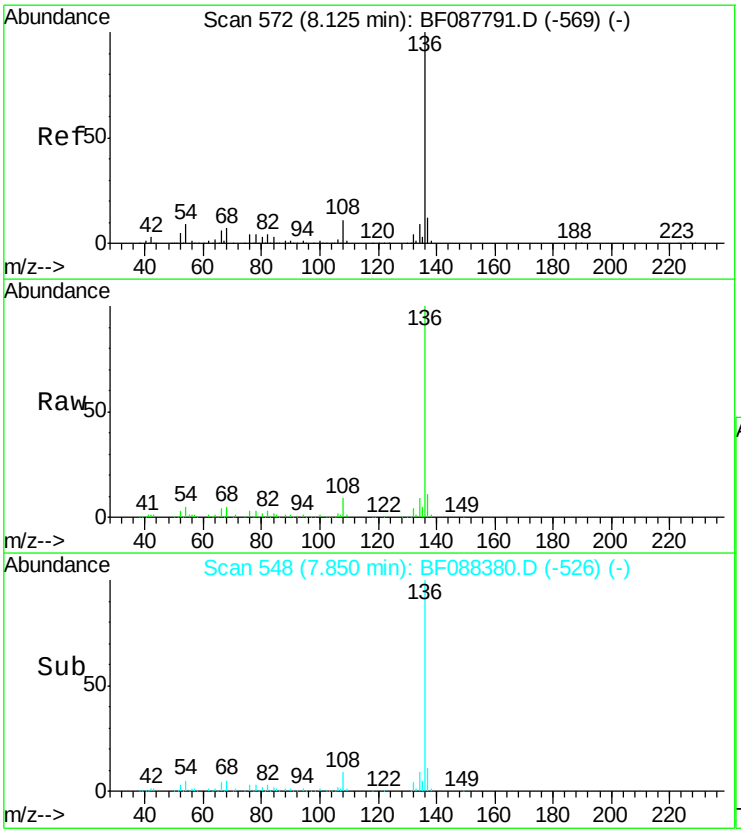
#7
Phenol-d6
Concen: 109.15 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.03 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion: 99 Resp: 658224

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.2	18.2
71	34.4	23.4	35.0

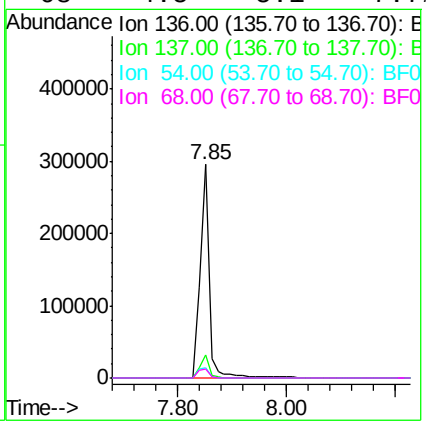


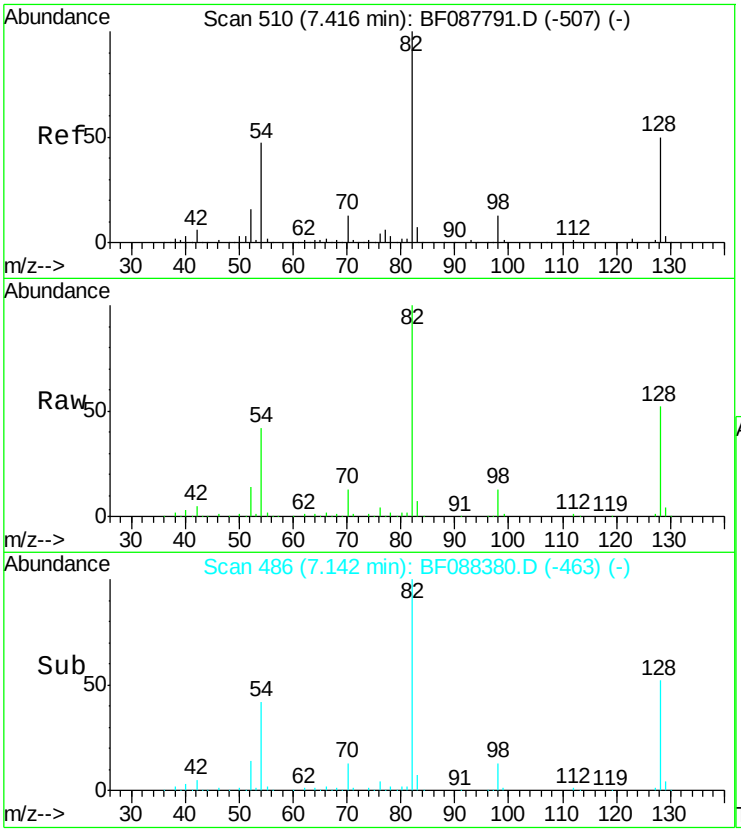


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:136 Resp: 337787

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.0	6.6	10.0#
68	4.5	5.1	7.7#



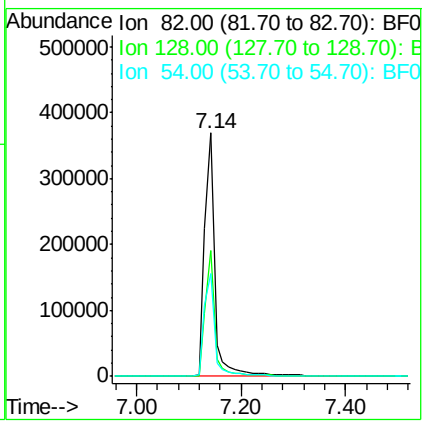


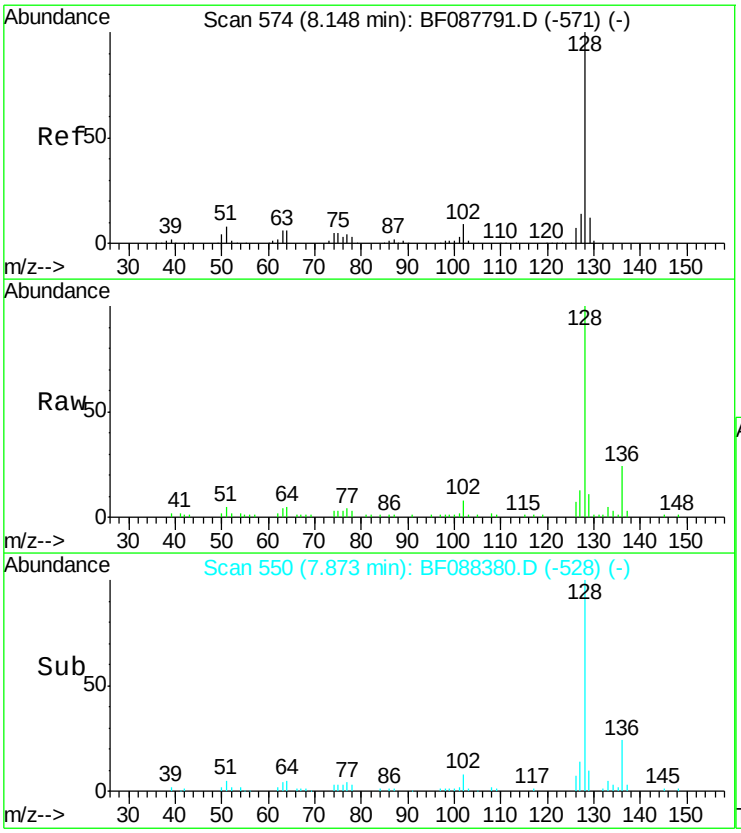
#23
Nitrobenzene-d5
Concen: 87.89 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion: 82 Resp: 508422

Ion	Ratio	Lower	Upper
82	100		
128	51.9	35.9	53.9
54	42.1	40.9	61.3

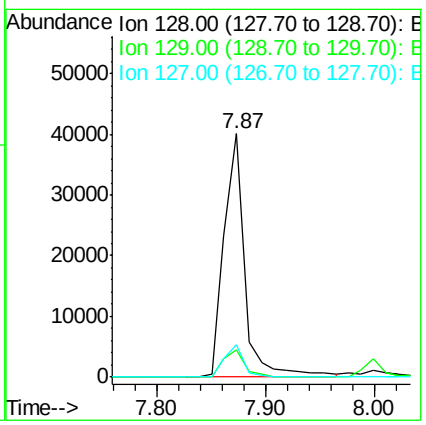


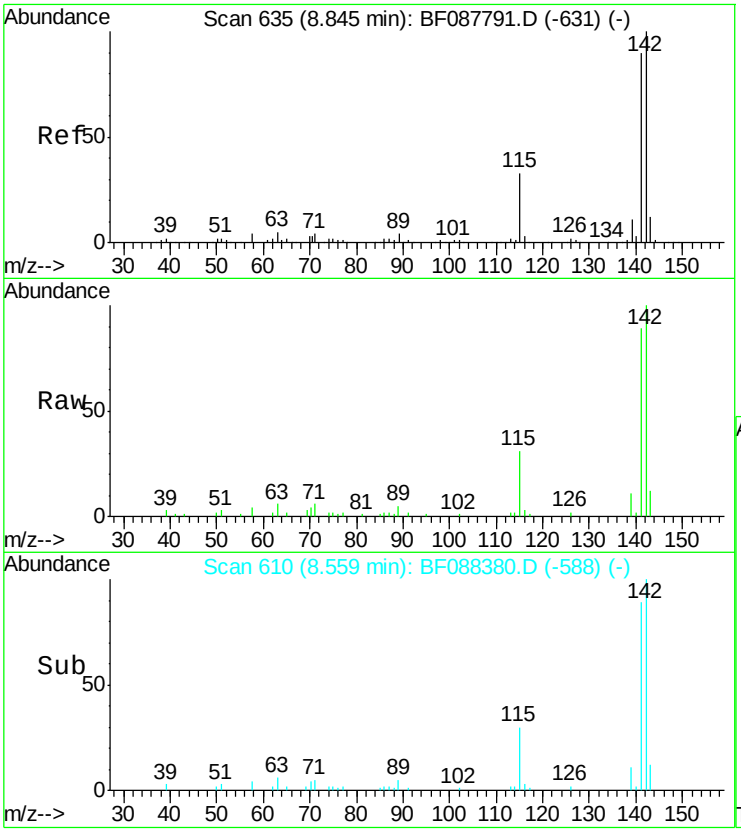


#31
Naphthalene
Concen: 3.19 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:128 Resp: 53258

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.5	10.9	16.3



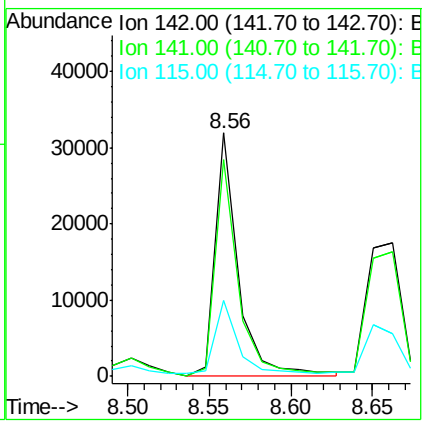


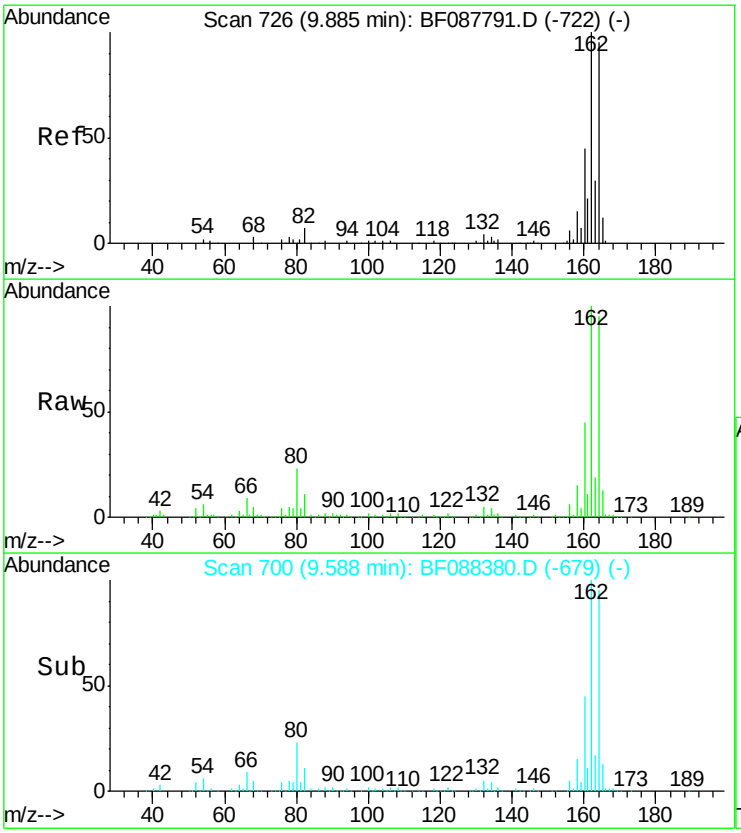
#37
2-Methylnaphthalene
Concen: 2.89 ng
RT: 8.56 min Scan# 610
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:142 Resp: 31832

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	31.0	22.6	33.8

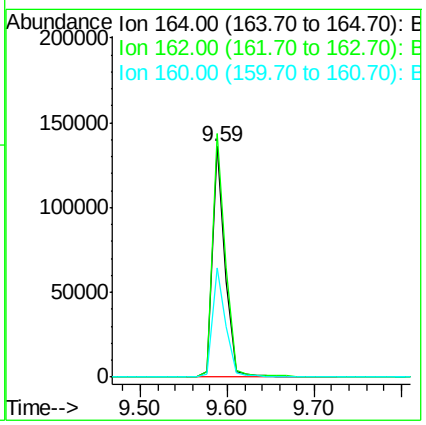


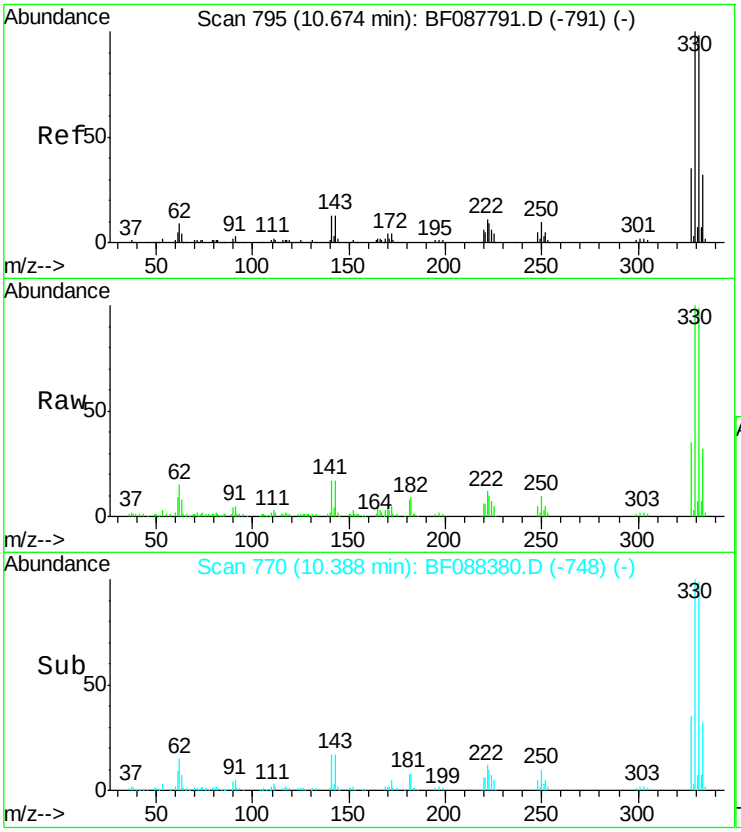


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:164 Resp: 141046

Ion	Ratio	Lower	Upper
164	100		
162	105.6	85.4	128.2
160	47.2	39.5	59.3



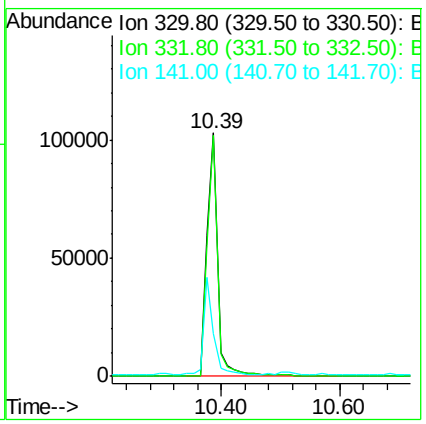


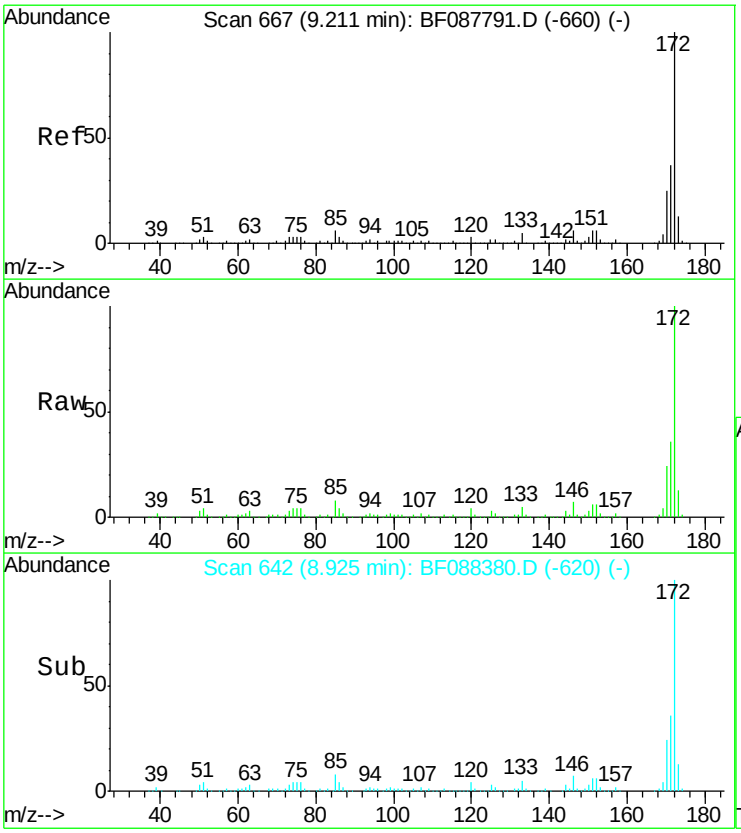
#41
2,4,6-Tribromophenol
Concen: 87.39 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:330 Resp: 130145

Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	37.4	0.0	0.0#

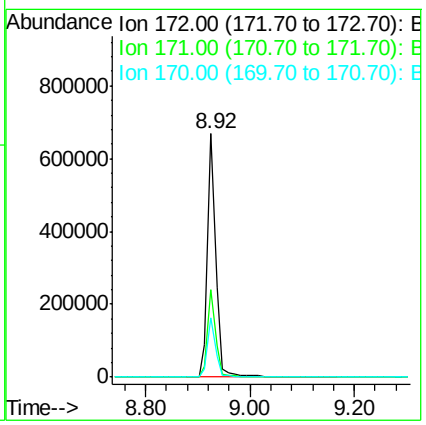


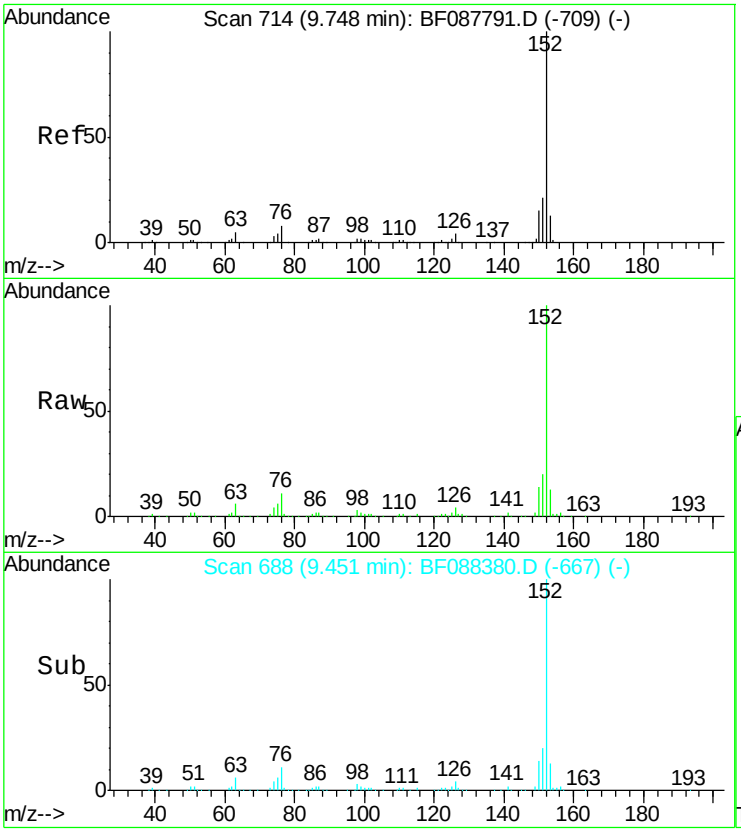


#44
2-Fluorobiphenyl
Concen: 83.19 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:172 Resp: 747968

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.3	19.2	28.8



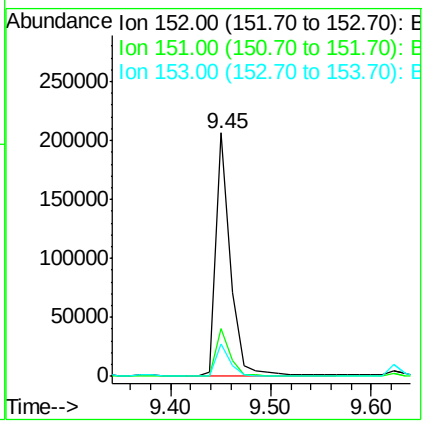


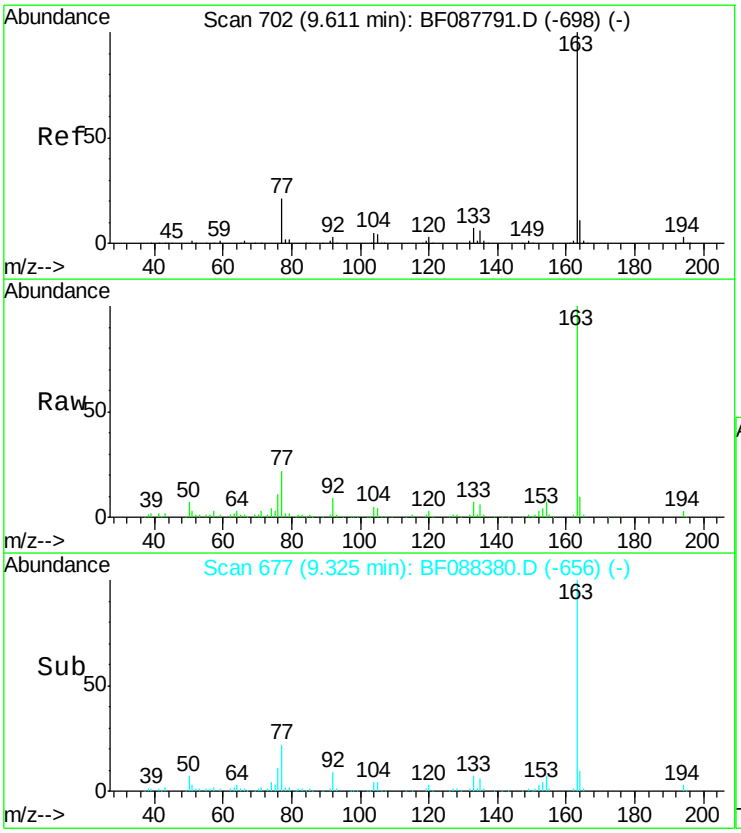
#48
Acenaphthylene
Concen: 14.51 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:152 Resp: 210715

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	13.5	11.0	16.6

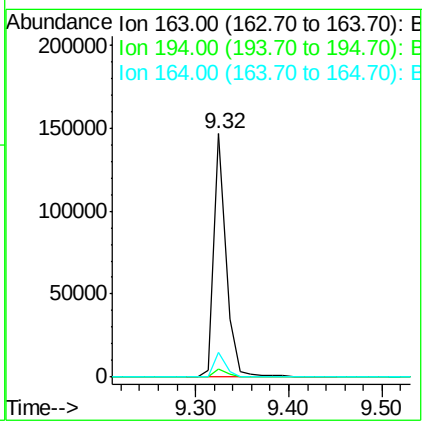


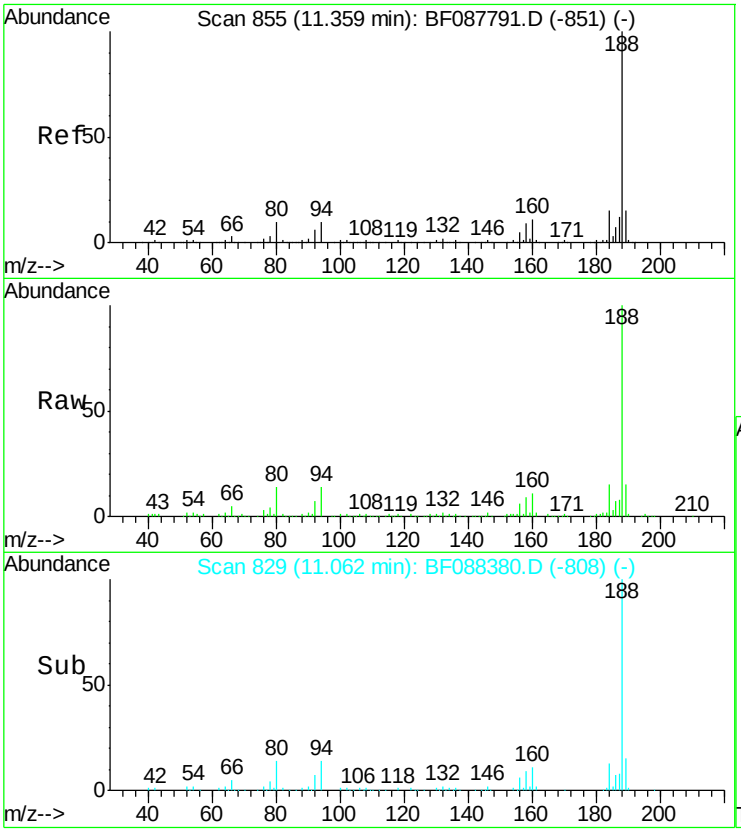


#49
Dimethylphthalate
Concen: 13.08 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:163 Resp: 133658

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.2	8.3	12.5



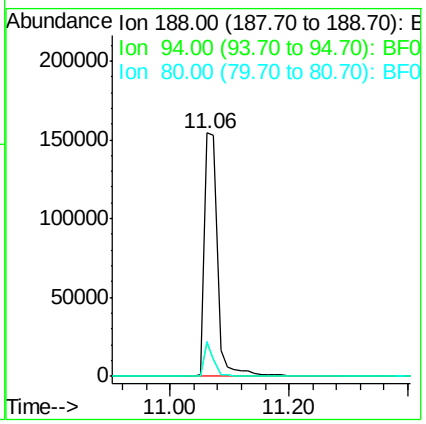


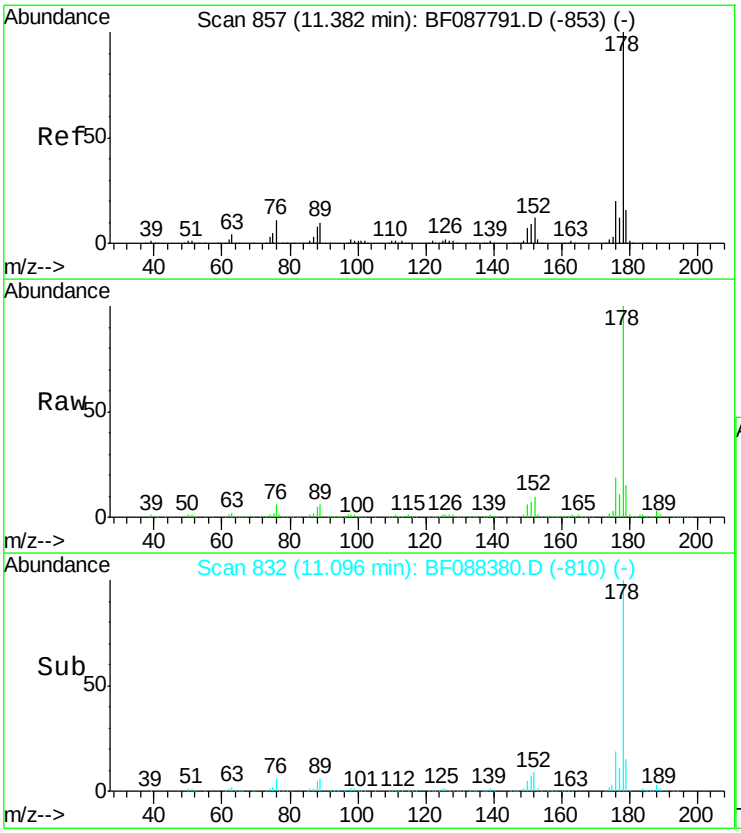
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:188 Resp: 241064

Ion	Ratio	Lower	Upper
188	100		
94	13.7	9.0	13.6#
80	14.3	10.0	15.0

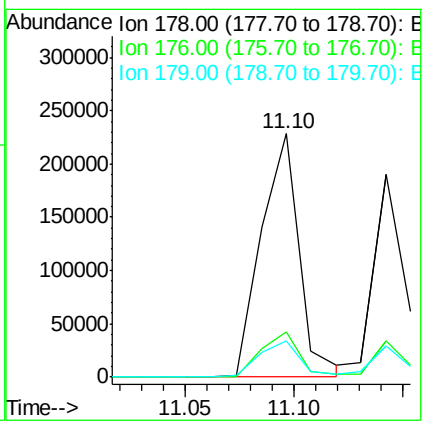


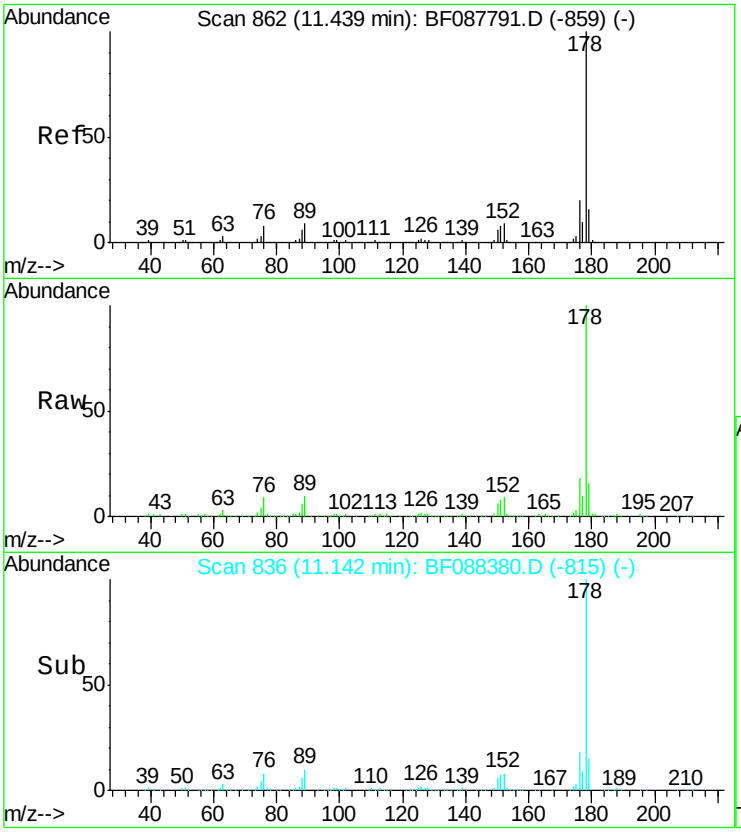


#70
Phenanthrene
Concen: 22.06 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:178 Resp: 279103

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.0	13.0	19.4



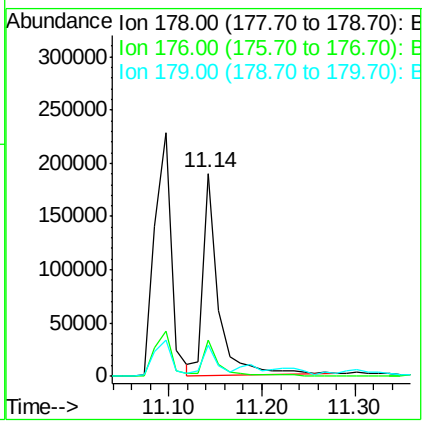


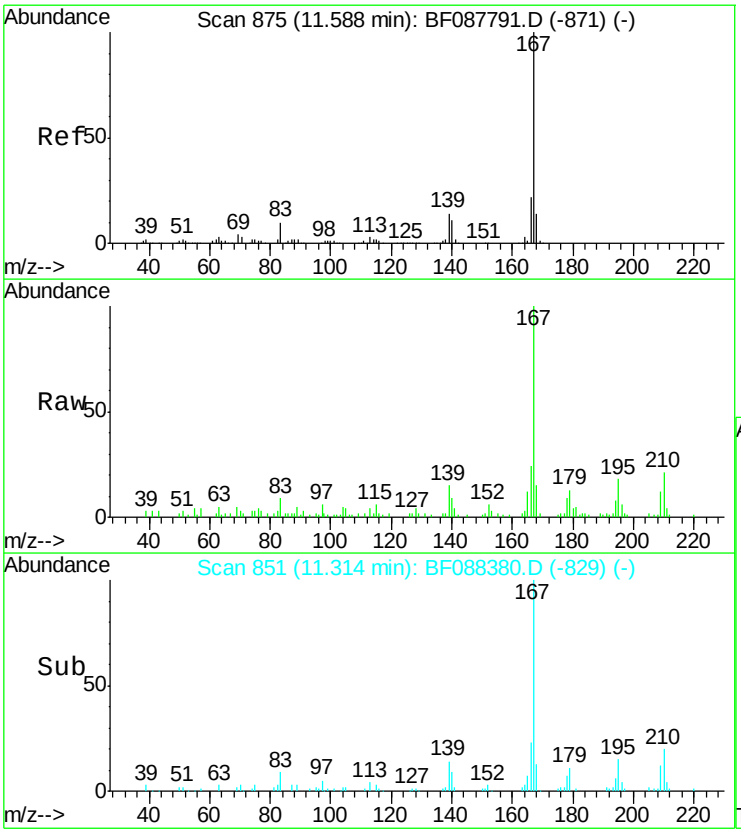
#71
Anthracene
Concen: 17.31 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:178 Resp: 220859

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.5	12.8	19.2

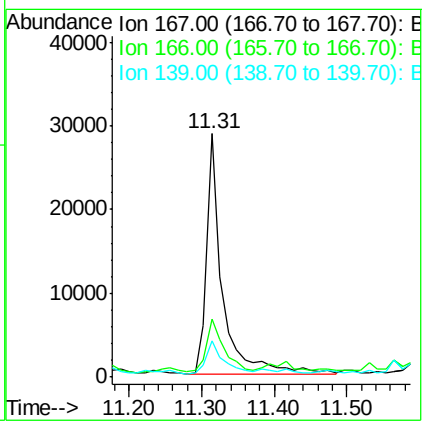


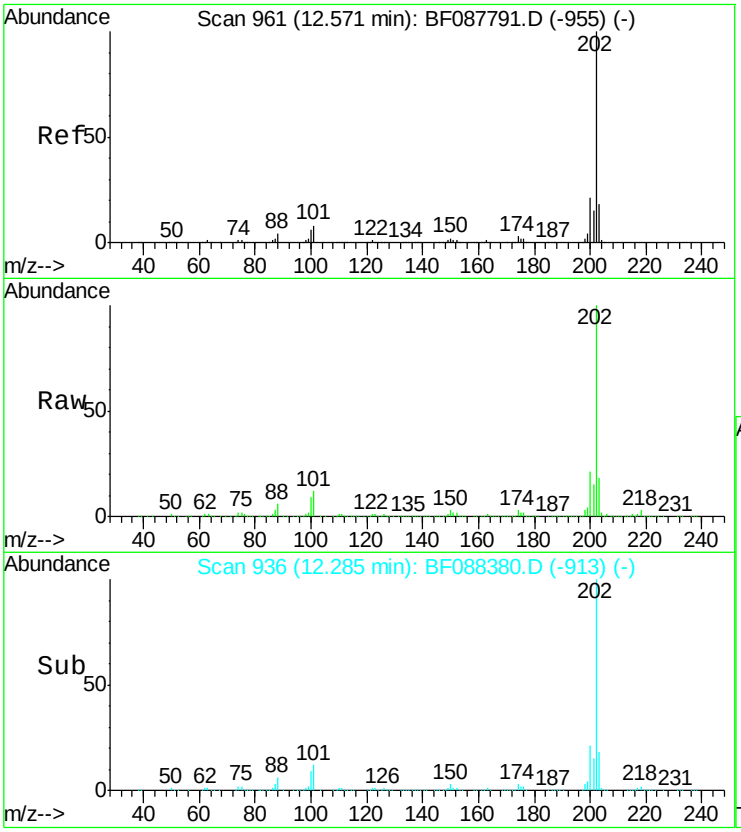


#72
Carbazole
Concen: 3.63 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:167 Resp: 43291

Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.8	26.6
139	15.0	11.2	16.8



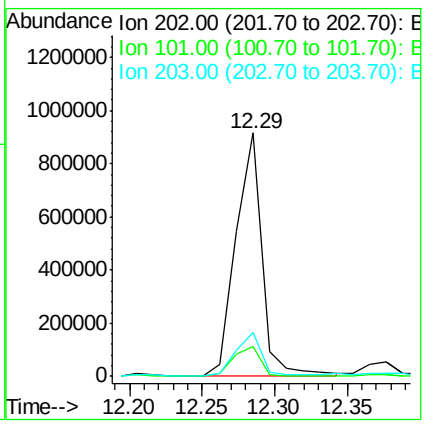


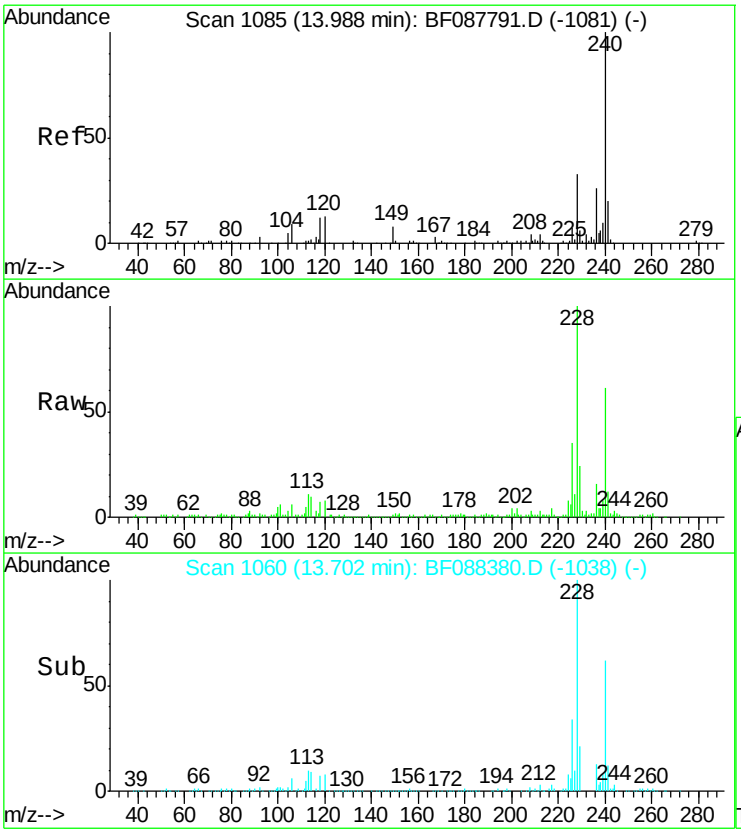
#74
Fluoranthene
Concen: 85.37 ng
RT: 12.29 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:202 Resp: 1139582

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.1
203	18.0	0.0	38.1

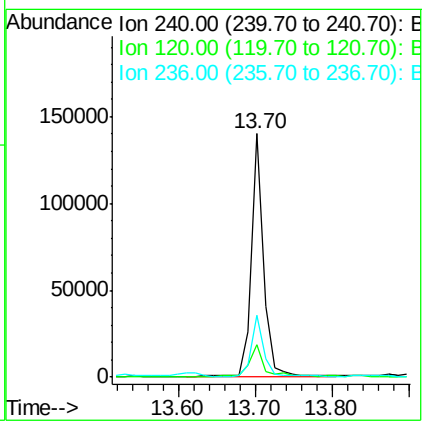


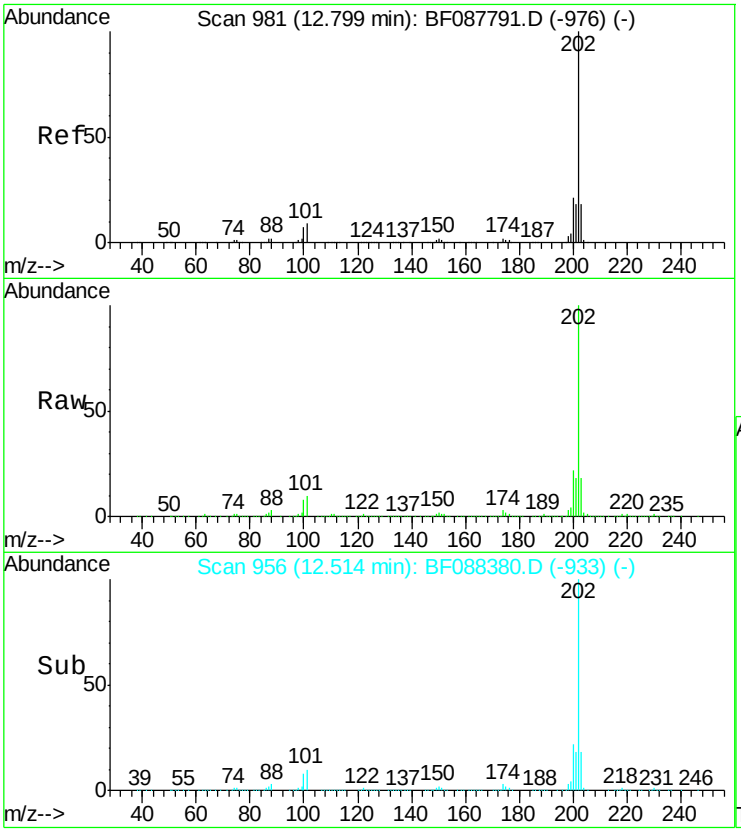


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:240 Resp: 151885

Ion	Ratio	Lower	Upper
240	100		
120	13.5	6.8	10.2#
236	25.6	20.2	30.2



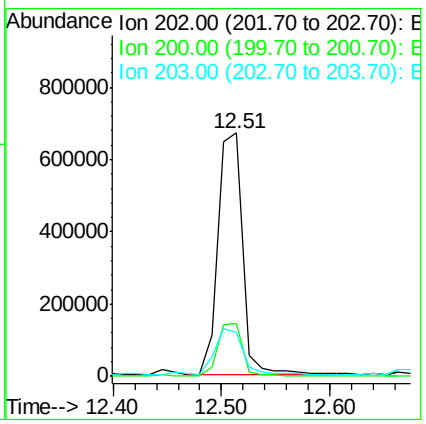


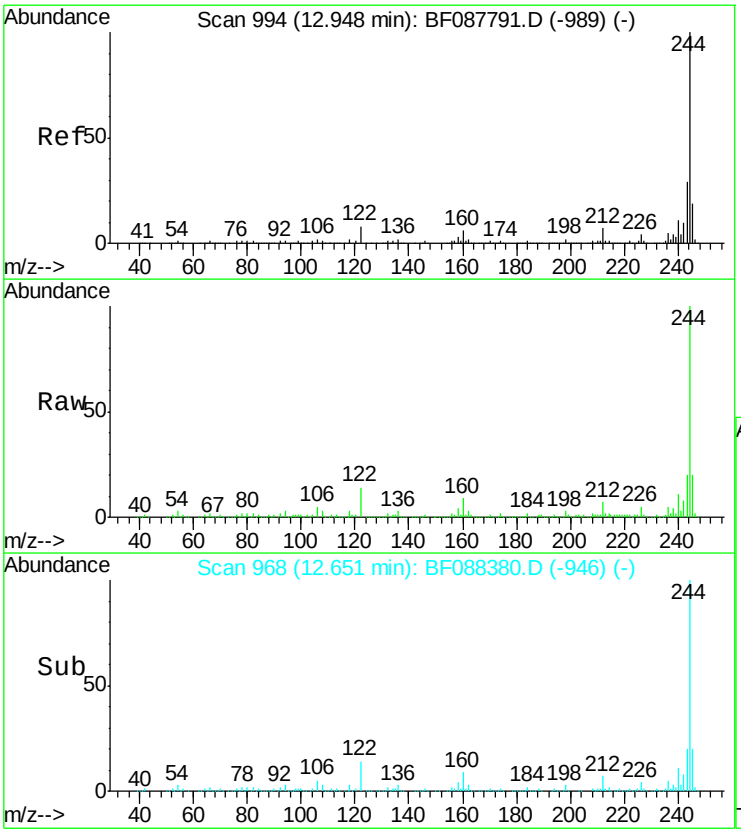
#77
Pyrene
Concen: 92.73 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.03 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:202 Resp: 1045127

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.3	14.5	21.7

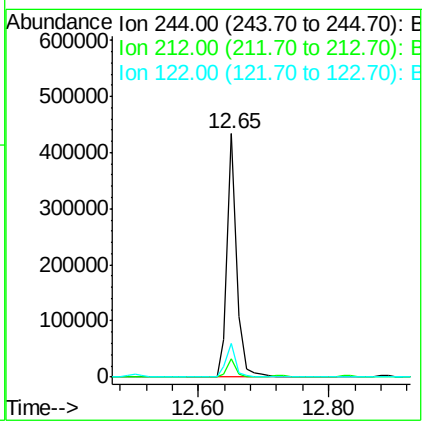


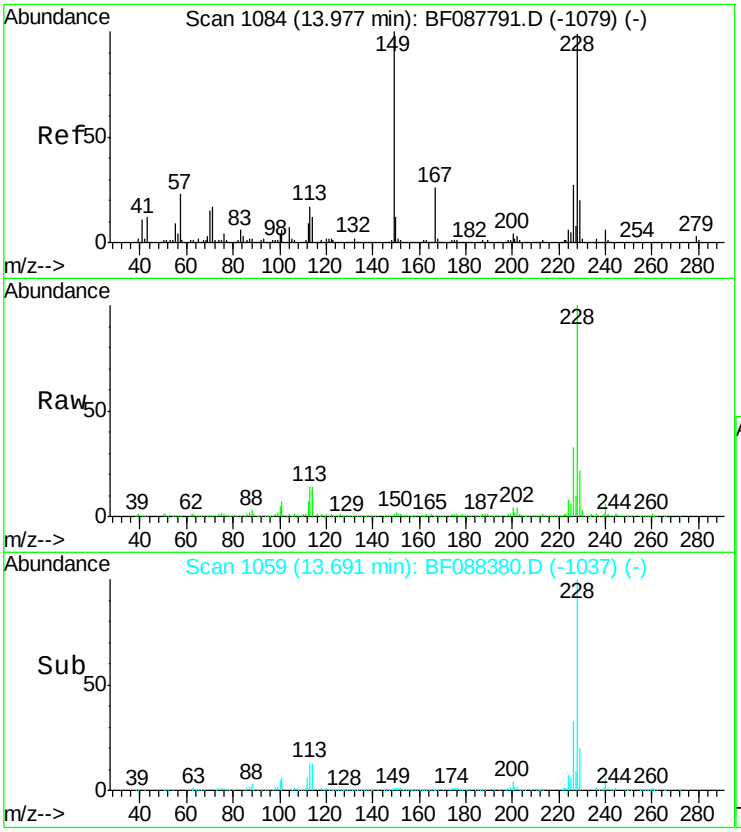


#78
Terphenyl-d14
Concen: 66.66 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:244 Resp: 444942

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.7	11.2	16.8



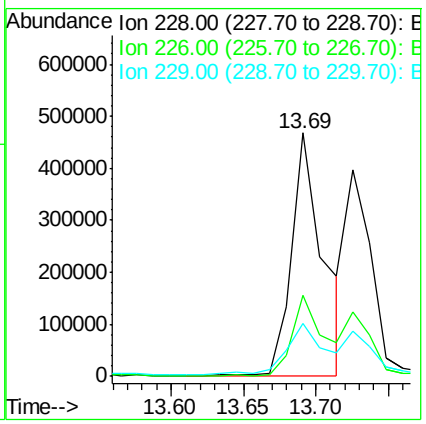


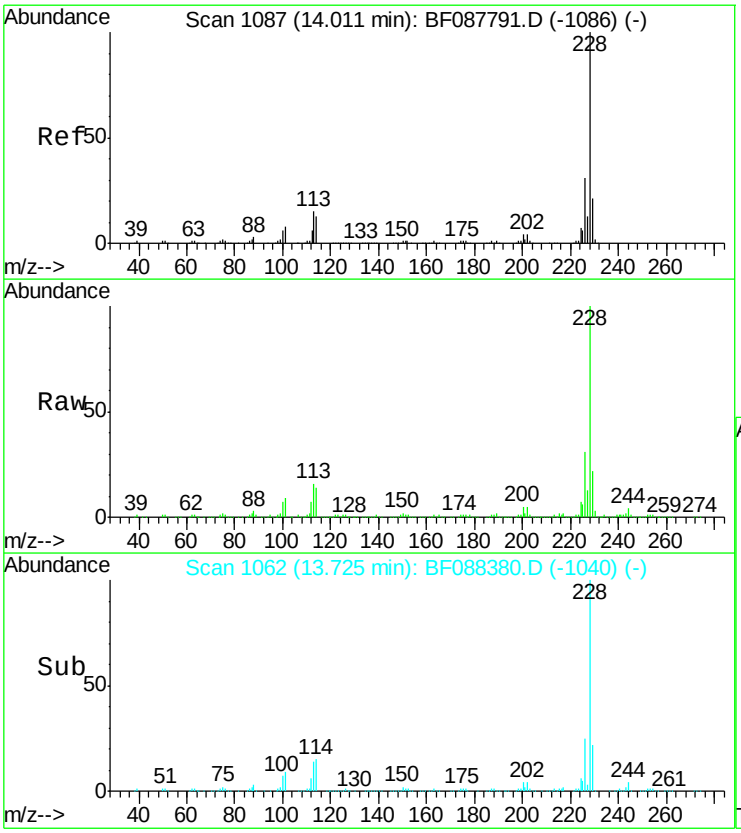
#80
Benzo(a)anthracene
Concen: 81.33 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:228 Resp: 703952

Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.3	33.5
229	21.9	16.0	24.0

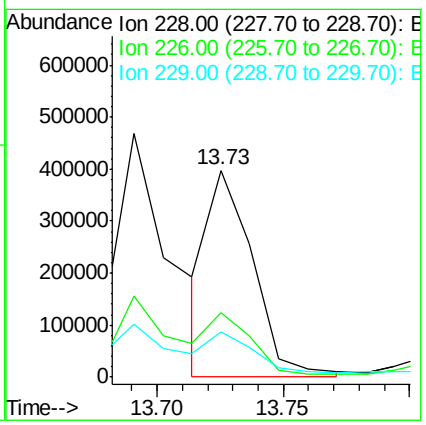


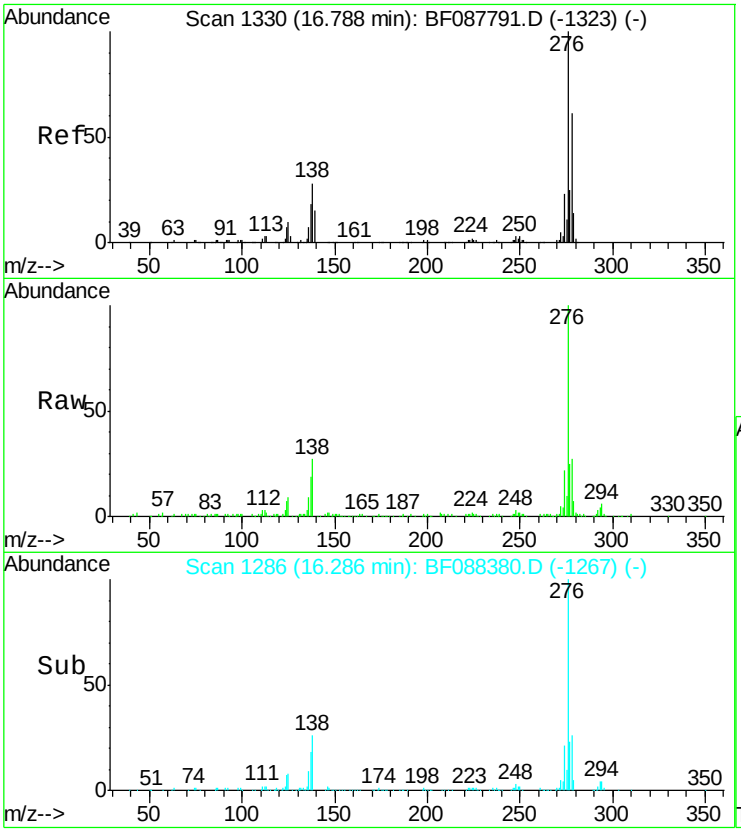


#82
Chrysene
Concen: 60.13 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:228 Resp: 489633

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.2
229	21.9	16.3	24.5



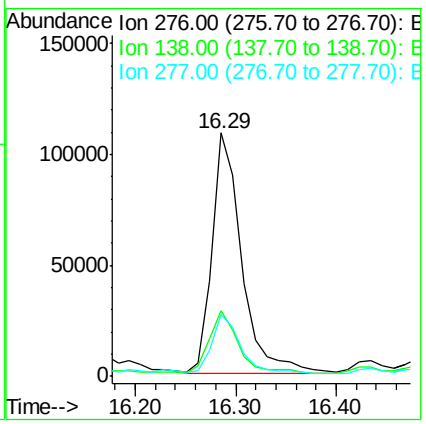


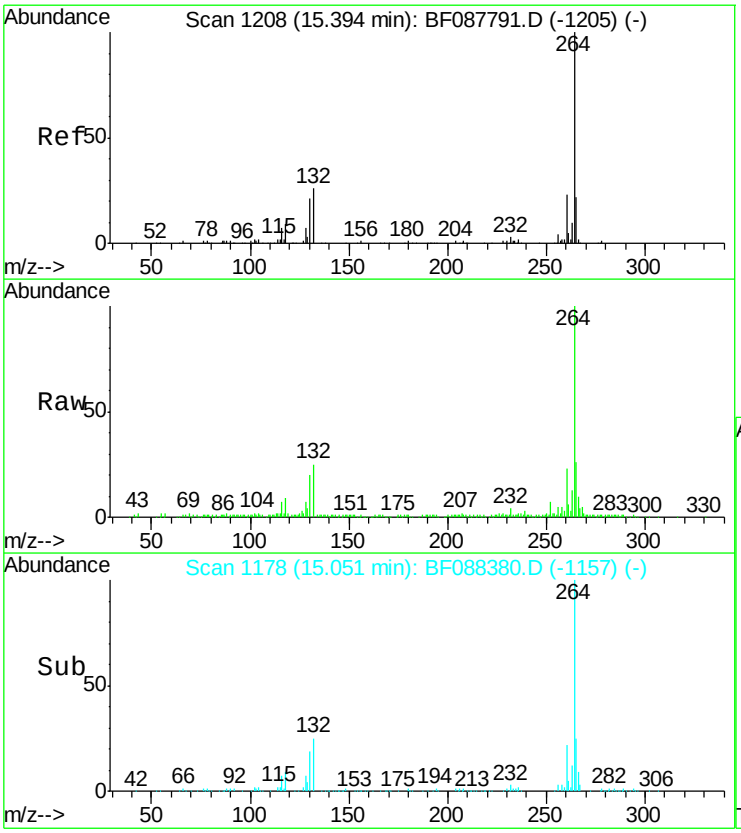
#85
Indeno(1,2,3-cd)pyrene
Concen: 29.16 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:276 Resp: 220573

Ion	Ratio	Lower	Upper
276	100		
138	26.9	0.0	0.0#
277	23.3	0.0	0.0#

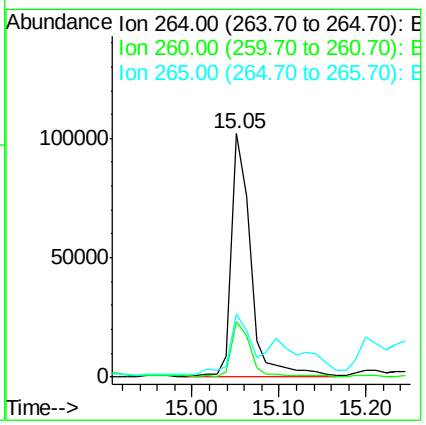


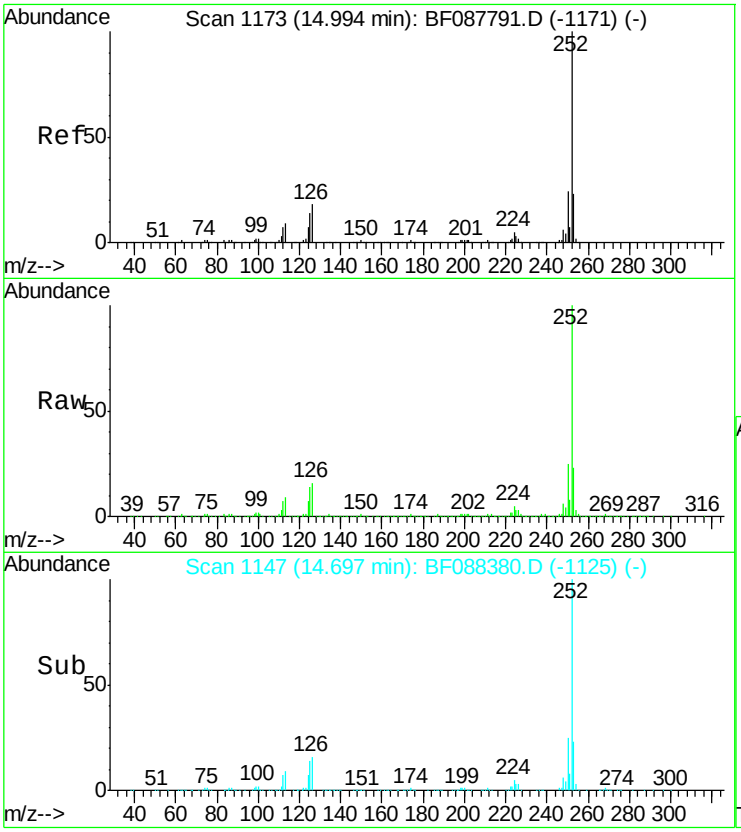


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:264 Resp: 153963

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	25.9	16.9	25.3#



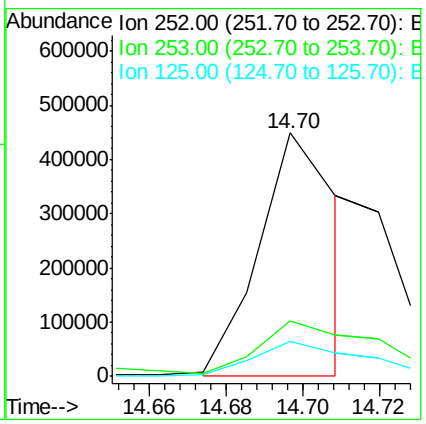


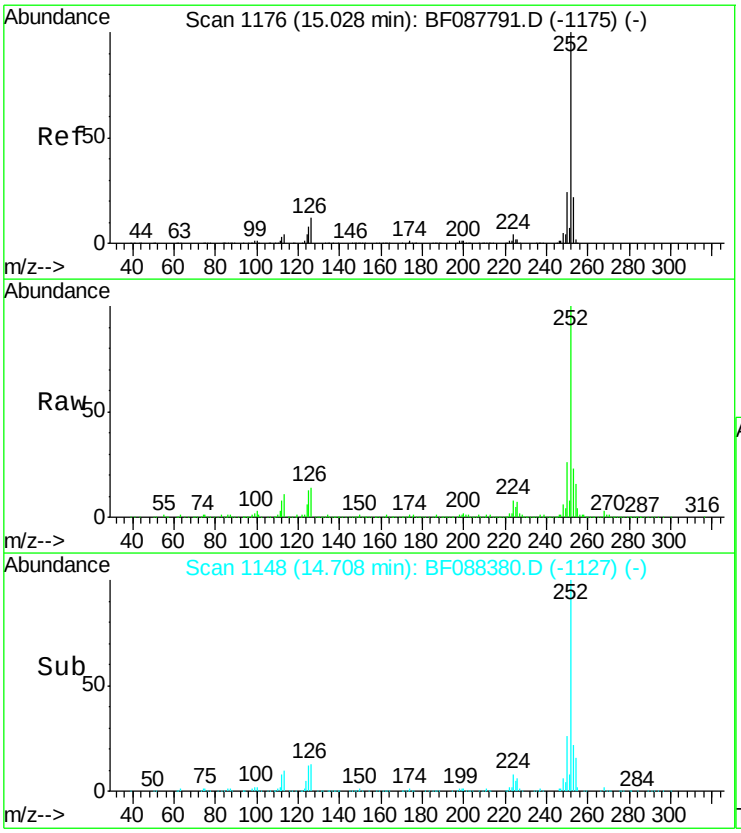
#87
Benzo(b)fluoranthene
Concen: 59.89 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:252 Resp: 642711

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.1	7.1	10.7#

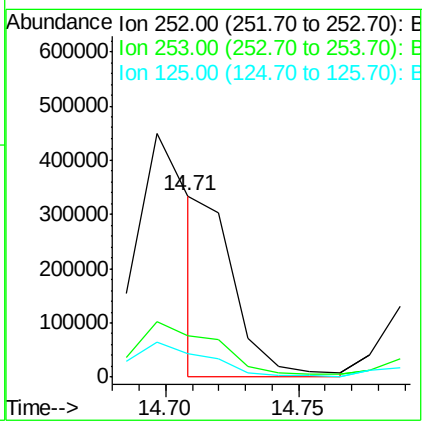


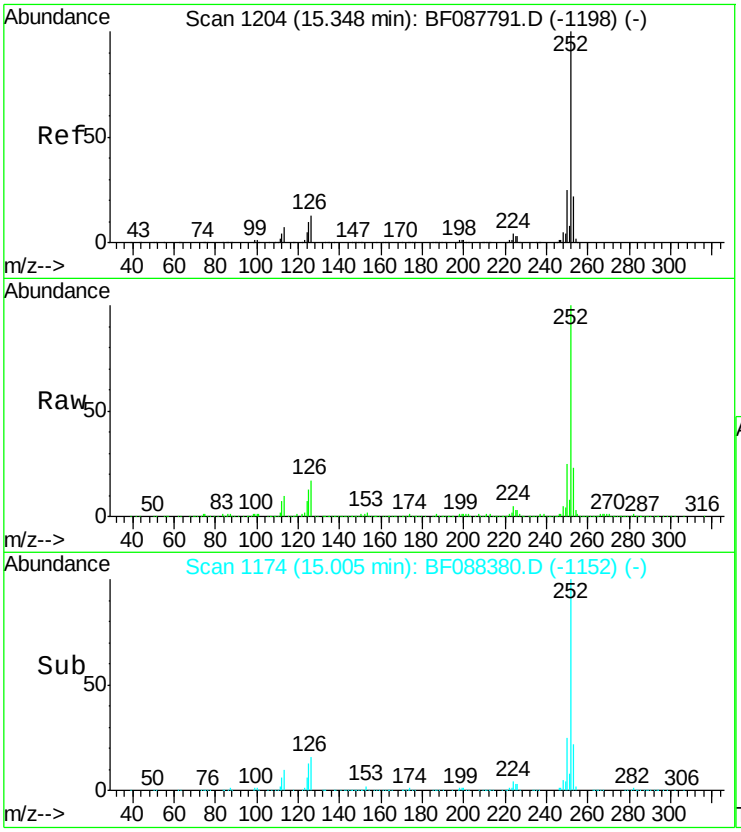


#88
Benzo(k)fluoranthene
Concen: 35.09 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:252 Resp: 284082

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.6	11.2	16.8



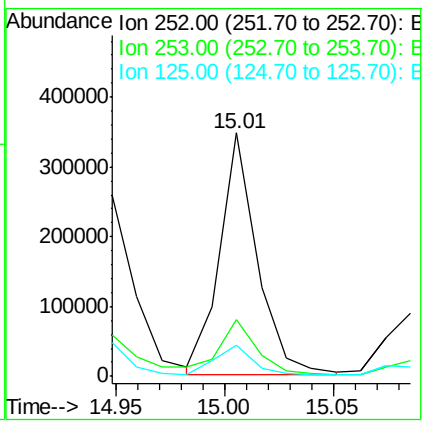


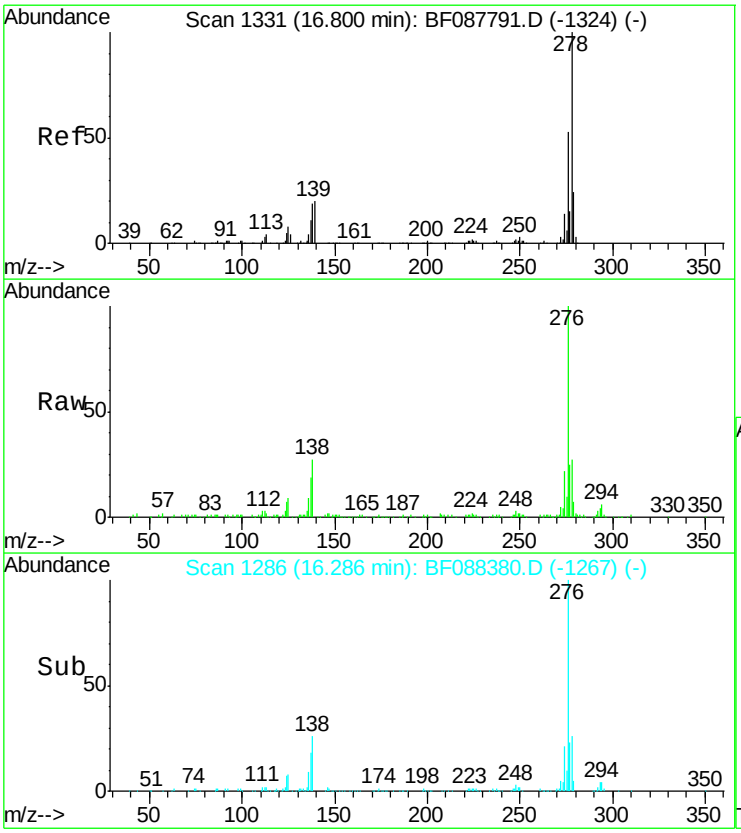
#89
Benzo(a)pyrene
Concen: 47.63 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:252 Resp: 413527

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.9	12.5	18.7

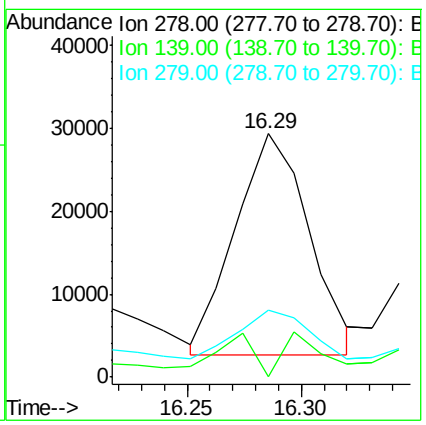


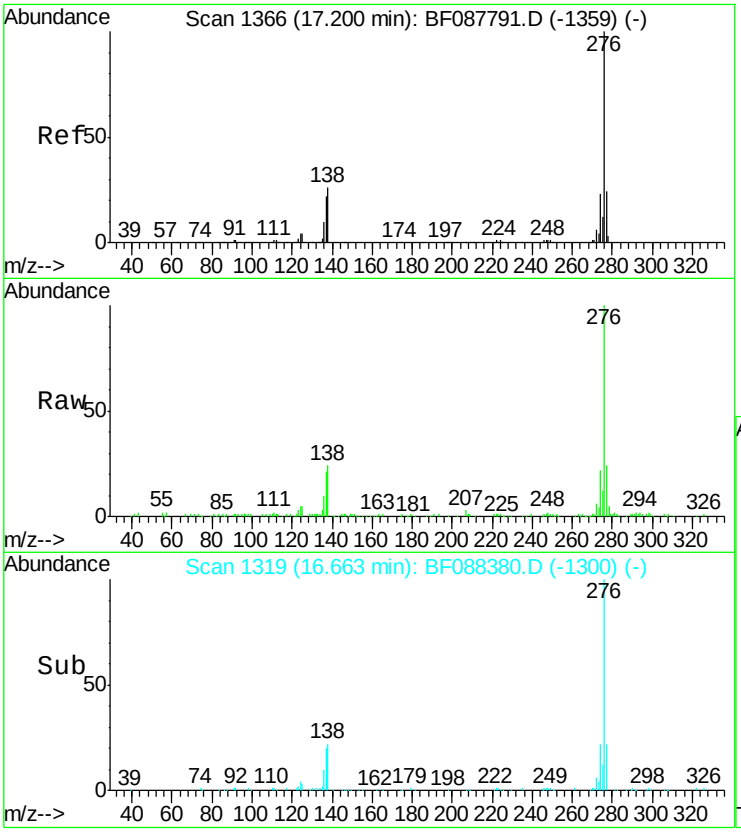


#90
Dibenzo(a,h)anthracene
Concen: 7.47 ng m
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Tgt Ion:278 Resp: 60196

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	27.4	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 21.50 ng
RT: 16.66 min Scan# 1319
Delta R.T. -0.08 min
Lab File: BF088380.D
Acq: 25 Jun 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)

Tgt Ion:276 Resp: 178376

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	24.4	21.4	32.2