Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088384.D
Acq On : 25 Jun 2016 18:41
Operator : UM/SJ
Sample : H3622-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1466(0-4)

Quant Time: Jun 26 03:30:37 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	73853m	20.00	ng		-0.05
21) Naphthalene-d8	7.85	136	297106	20.00	ng		-0.05
38) Acenaphthene-d10	9.59	164	128649	20.00	ng		-0.06
63) Phenanthrene-d10	11.06	188	200581	20.00	ng		-0.06
75) Chrysene-d12	13.70	240	144487	20.00	ng		-0.05
86) Perylene-d12	15.05	264	137077	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.14	112	471053	109.04	ng		-0.03
7) Phenol-d6	6.23	99	589796	112.65	ng		-0.03
23) Nitrobenzene-d5	7.14	82	384416	75.55	ng		-0.03
41) 2,4,6-Tribromophenol	10.39	330	119060	87.65	ng		-0.05
44) 2-Fluorobiphenyl	8.92	172	632653	76.71	ng		-0.05
78) Terphenyl-d14	12.65	244	391082	61.59	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	7.87	128	34130	2.32	ng		97
48) Acenaphthylene	9.45	152	183302	13.84	ng		99
49) Dimethylphthalate	9.32	163	118189	12.68	ng		99
70) Phenanthrene	11.08	178	169182	16.07	ng		98
71) Anthracene	11.14	178	184008	17.33	ng		98
72) Carbazole	11.31	167	45483	4.58	ng		97
74) Fluoranthene	12.27	202	838317	75.47	ng		98
77) Pyrene	12.50	202	803912	74.98	ng		99
80) Benzo(a)anthracene	13.69	228	471134m	57.22	ng		
82) Chrysene	13.73	228	483582m	62.43	ng		
85) Indeno(1,2,3-cd)pyrene	16.29	276	156440	21.74	ng	#	100
87) Benzo(b)fluoranthene	14.70	252	525761m	55.03	ng		
88) Benzo(k)fluoranthene	14.71	252	192537m	26.71	ng		
89) Benzo(a)pyrene	15.01	252	300405m	38.86	ng		
90) Dibenzo(a,h)anthracene	16.29	278	45246m	6.30	ng		
91) Benzo(g,h,i)perylene	16.65	276	127971	17.33	ng		99

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

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SC-STA-1466(0-4)

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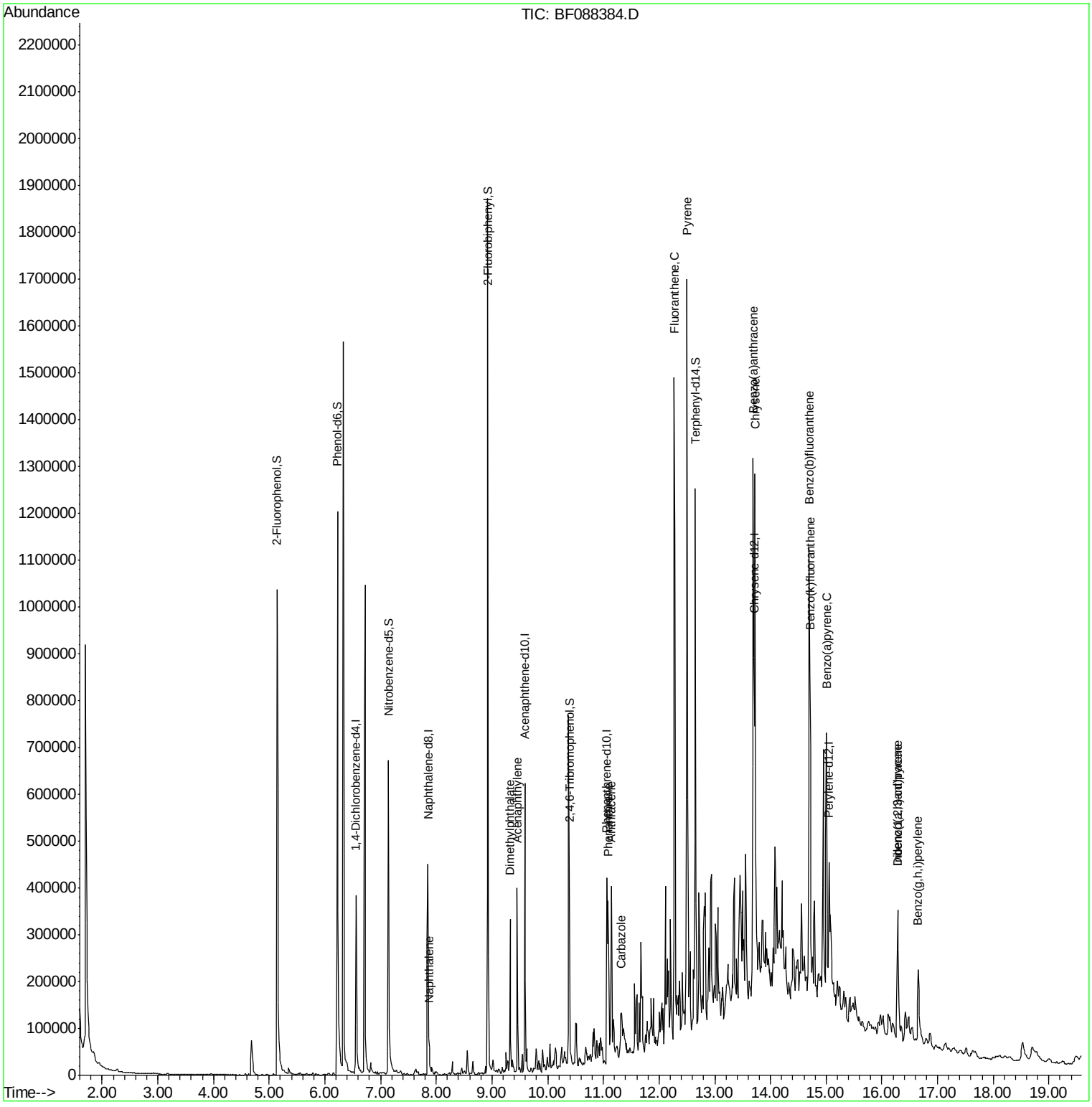
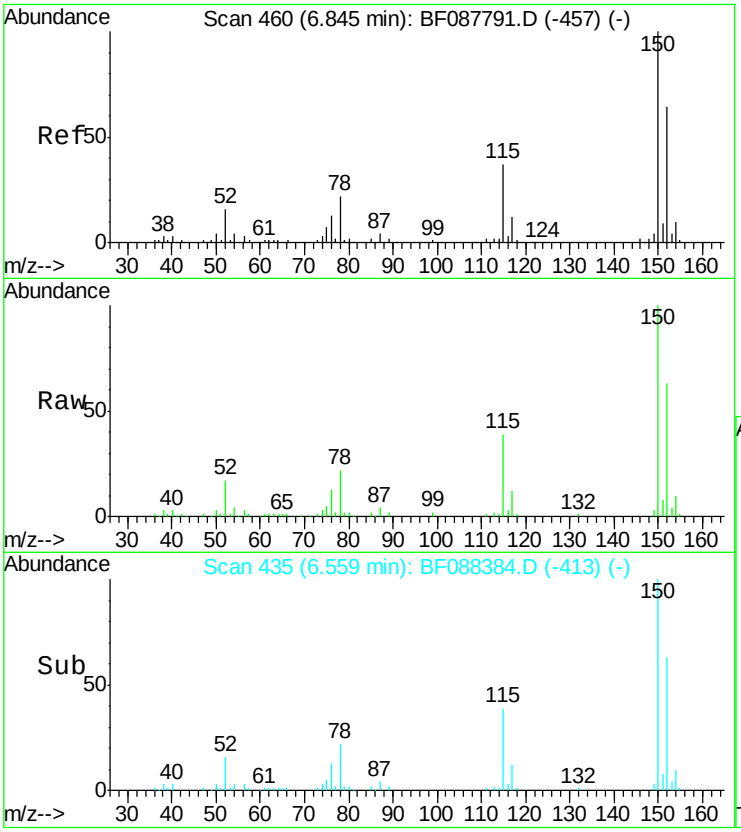


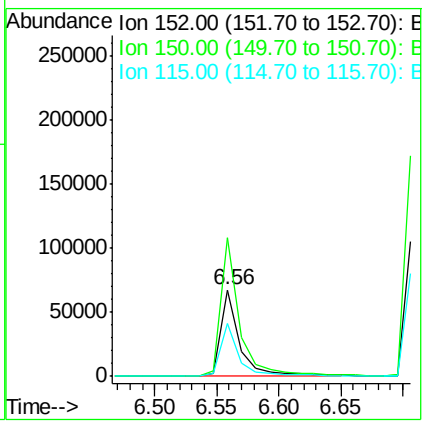


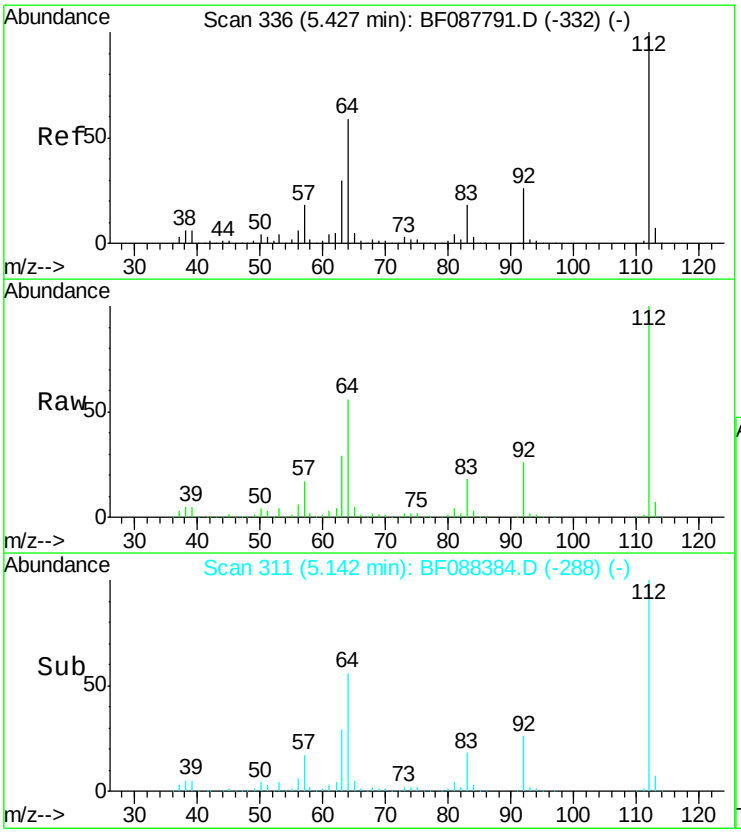
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:152 Resp: 73853

Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.8	185.6
115	61.6	39.6	59.4#

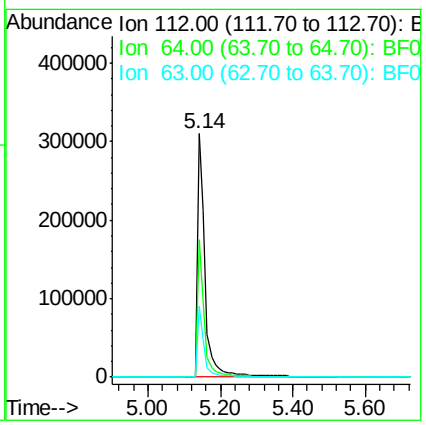


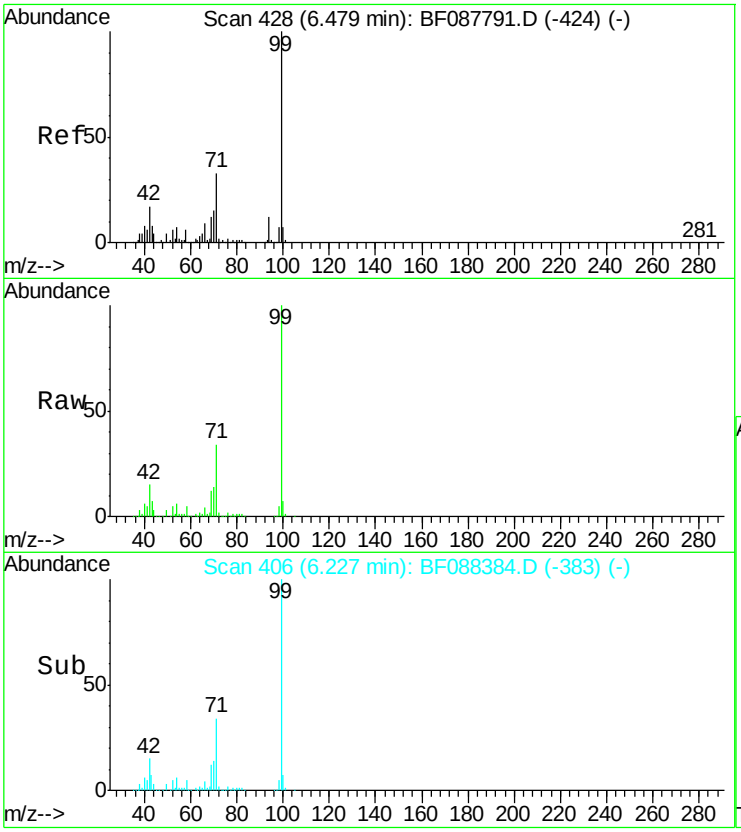


#5
2-Fluorophenol
Concen: 109.04 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:112 Resp: 471053

Ion	Ratio	Lower	Upper
112	100		
64	56.2	42.2	63.2
63	29.3	21.8	32.8



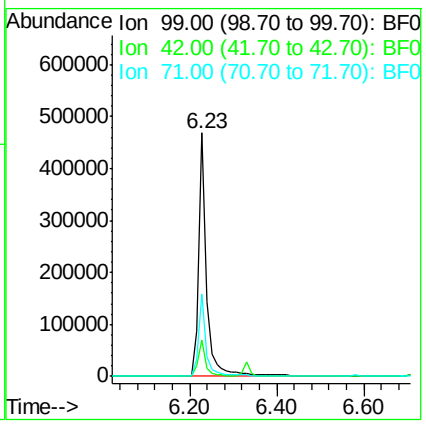


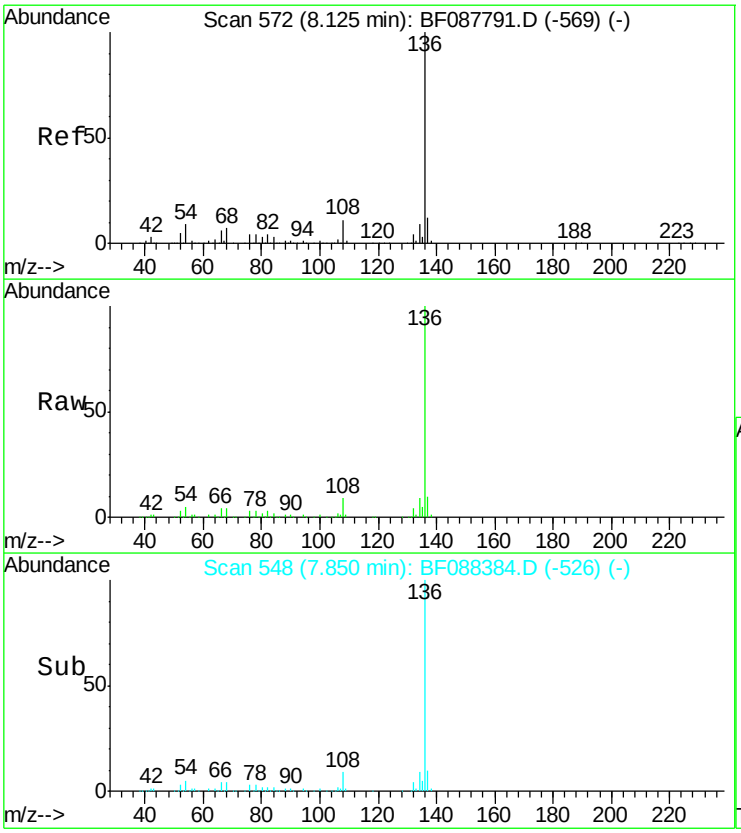
#7
Phenol-d6
Concen: 112.65 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.03 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion: 99 Resp: 589796

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.2	18.2
71	33.6	23.4	35.0

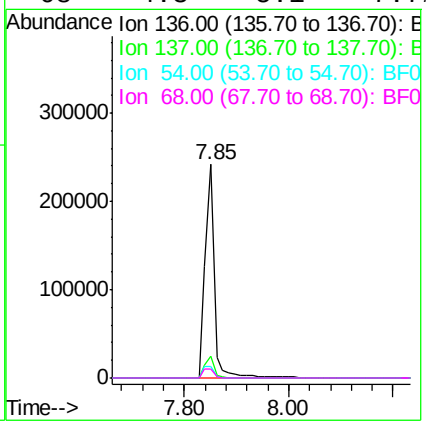




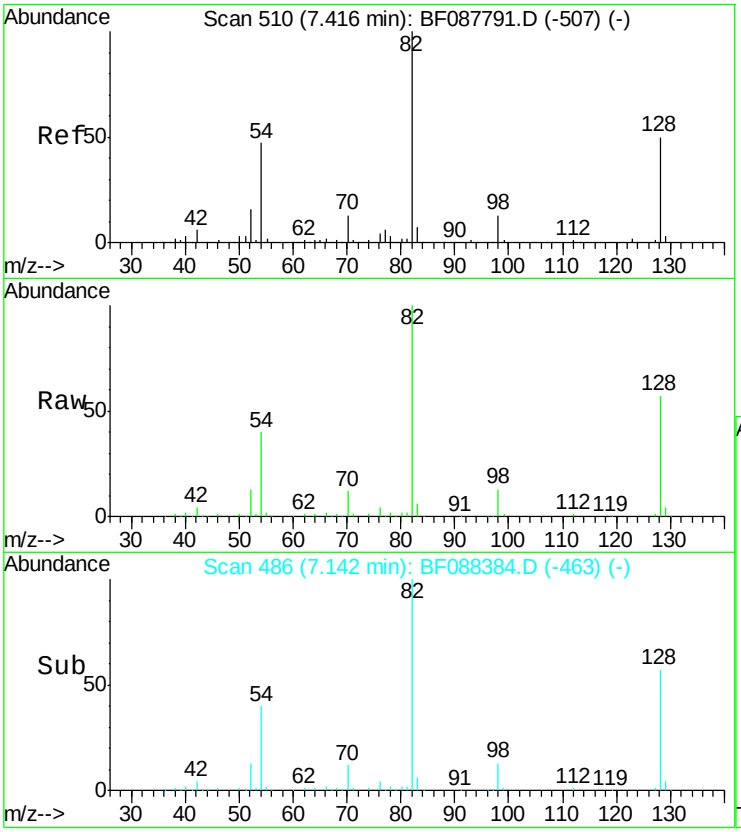
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:136 Resp: 297106

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.1	6.6	10.0#
68	4.3	5.1	7.7#



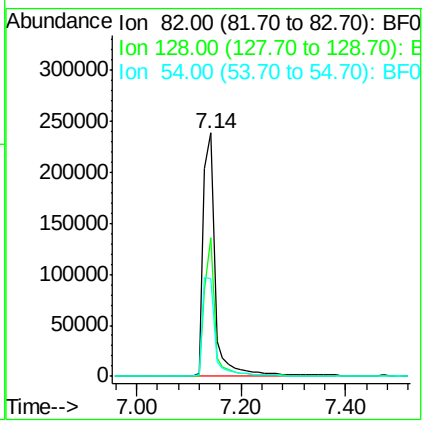
Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

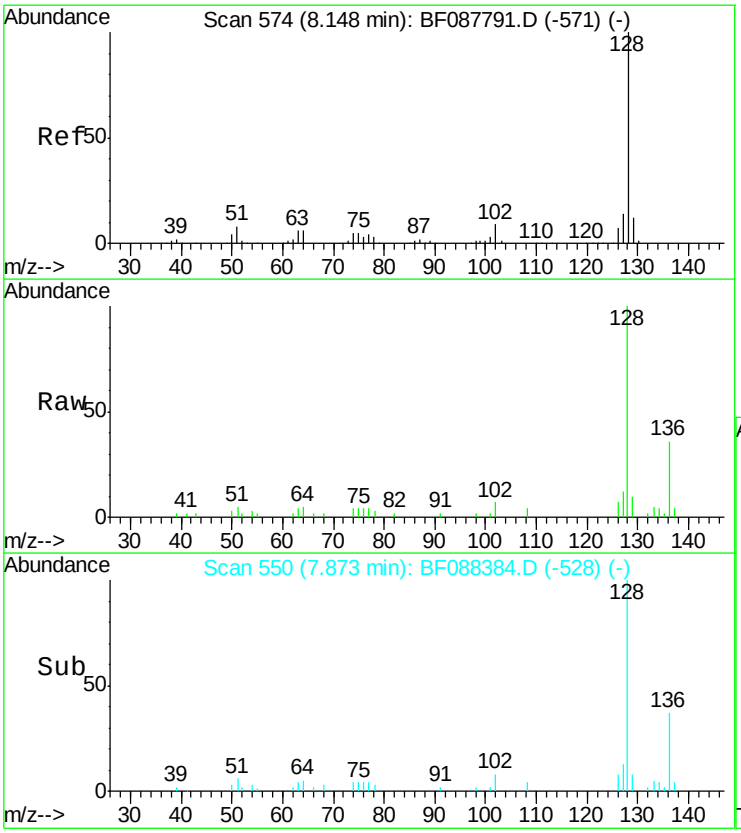


#23
Nitrobenzene-d5
Concen: 75.55 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion: 82 Resp: 384416

Ion	Ratio	Lower	Upper
82	100		
128	57.0	35.9	53.9#
54	39.9	40.9	61.3#

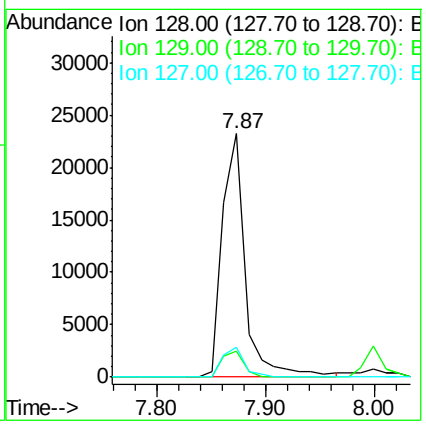


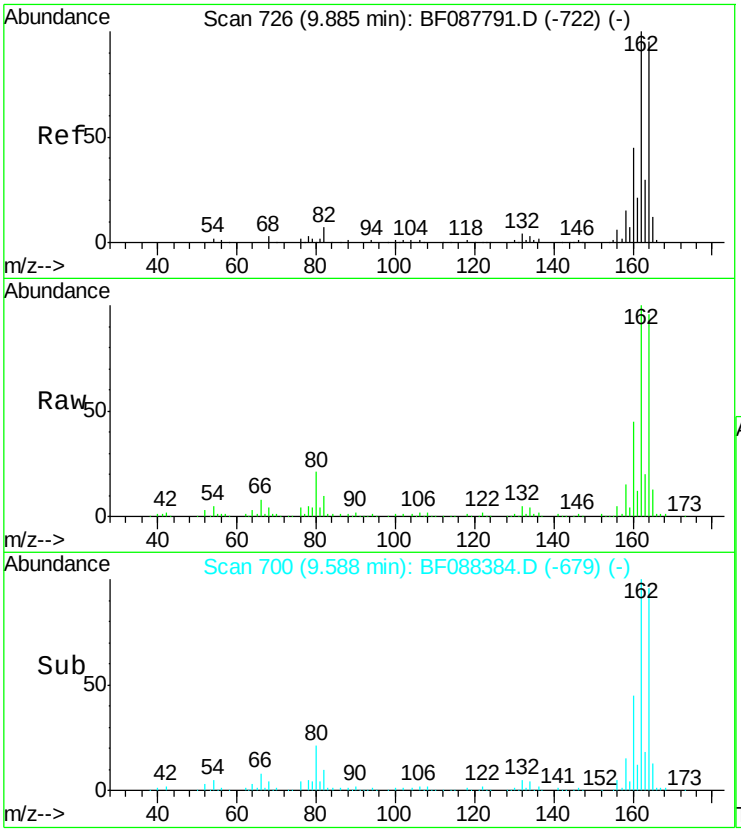


#31
Naphthalene
Concen: 2.32 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:128 Resp: 34130

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.4	14.2
127	12.4	10.9	16.3



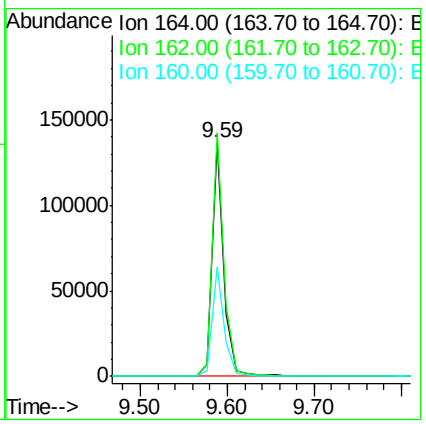


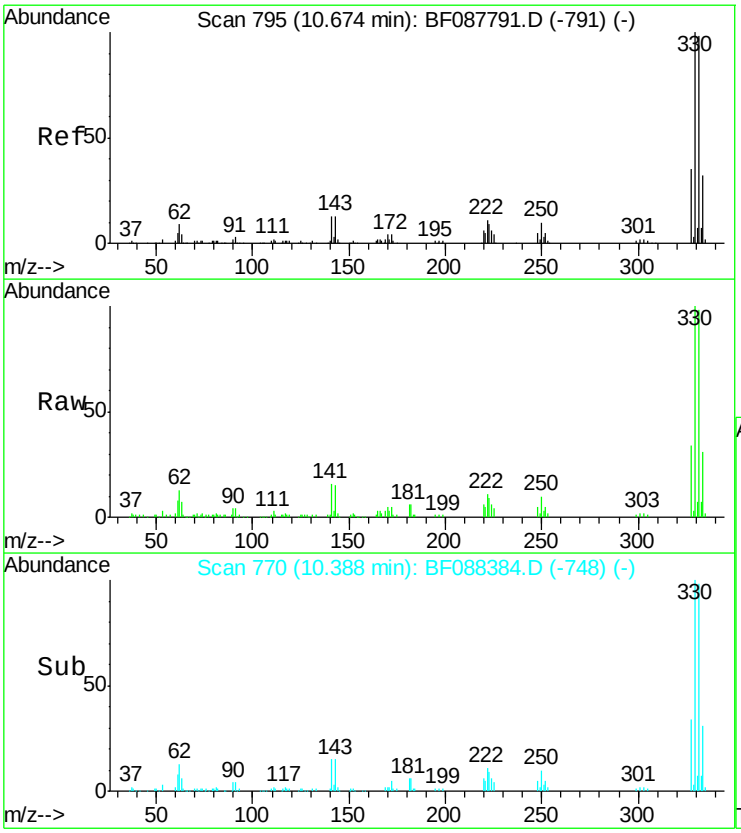
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:164 Resp: 128649

Ion	Ratio	Lower	Upper
164	100		
162	104.2	85.4	128.2
160	46.8	39.5	59.3

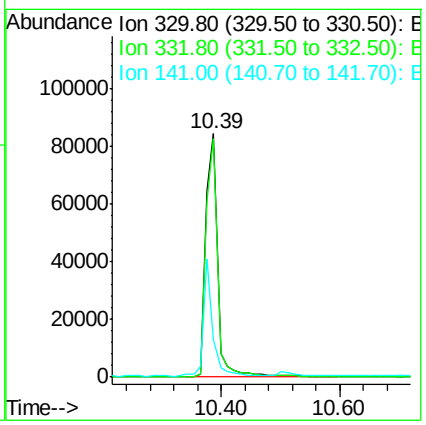


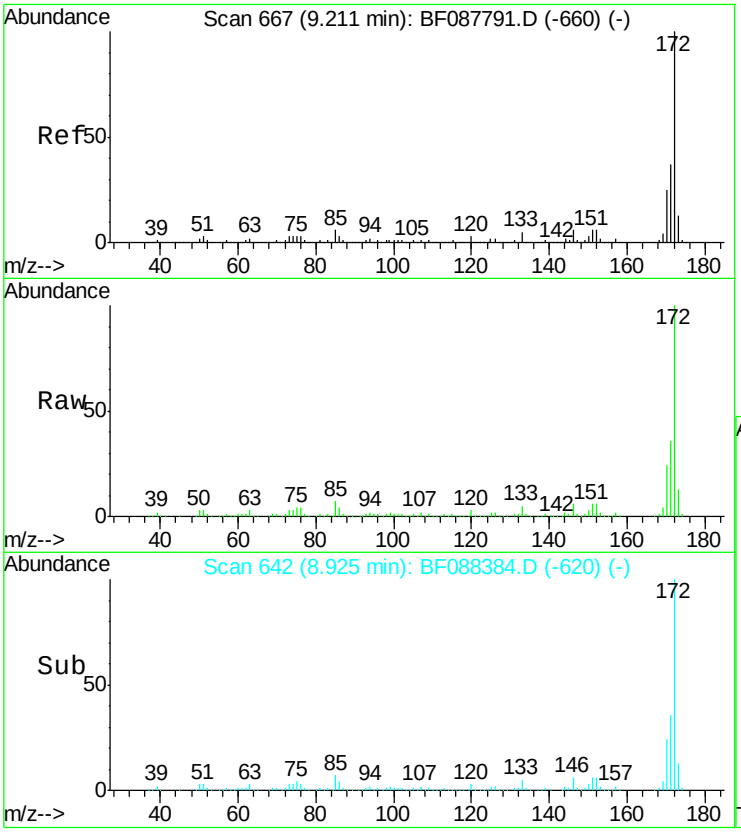


#41
2,4,6-Tribromophenol
Concen: 87.65 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:330 Resp: 119060

Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	37.8	0.0	0.0#



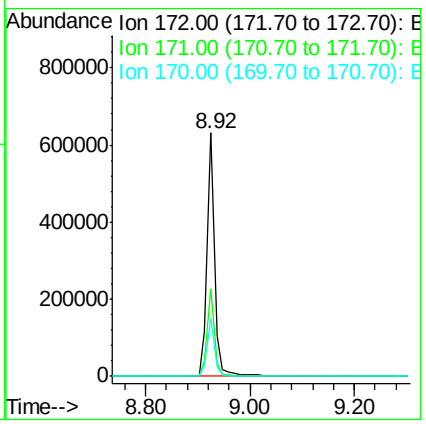


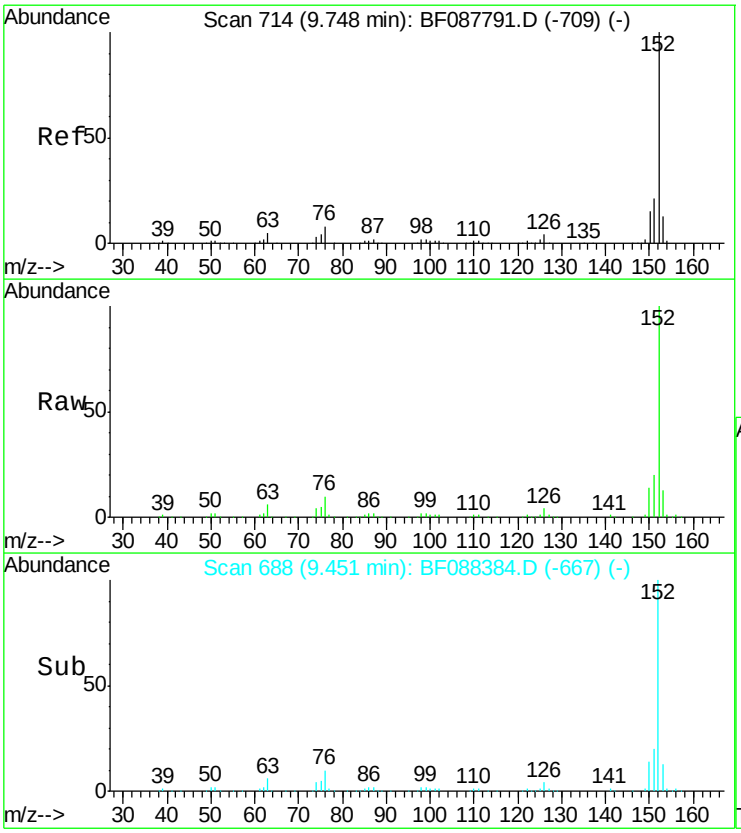
#44
2-Fluorobiphenyl
Concen: 76.71 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:172 Resp: 632653

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.1	19.2	28.8

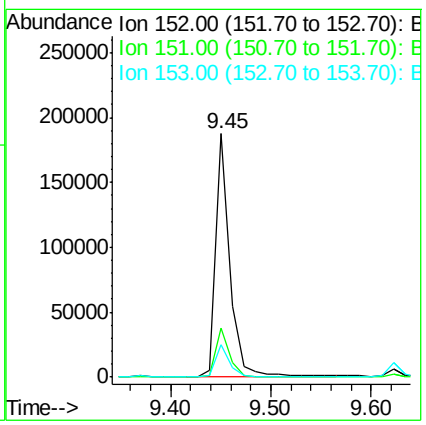


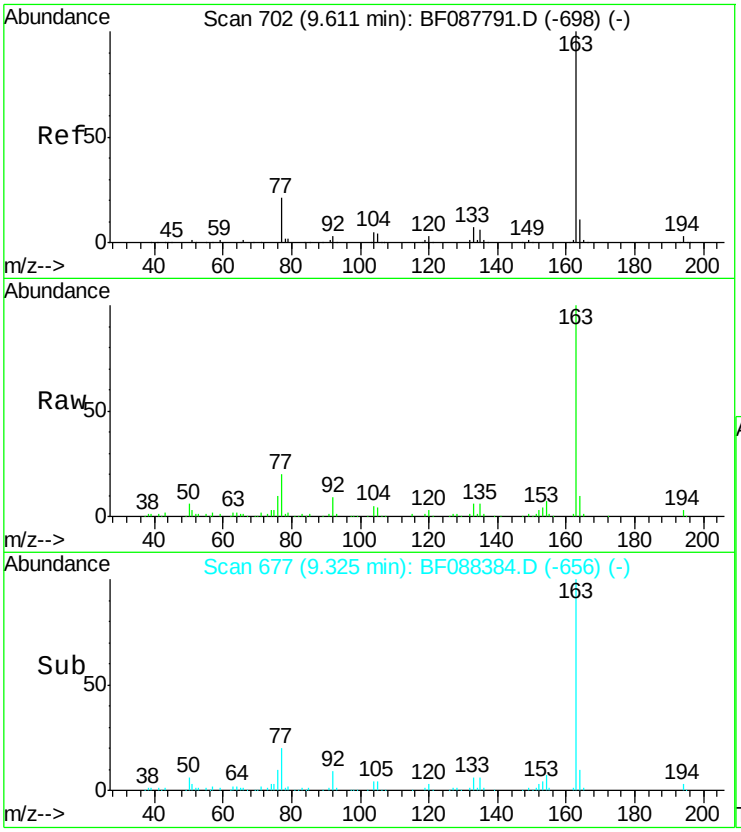


#48
Acenaphthylene
Concen: 13.84 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:152 Resp: 183302

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.4	11.0	16.6



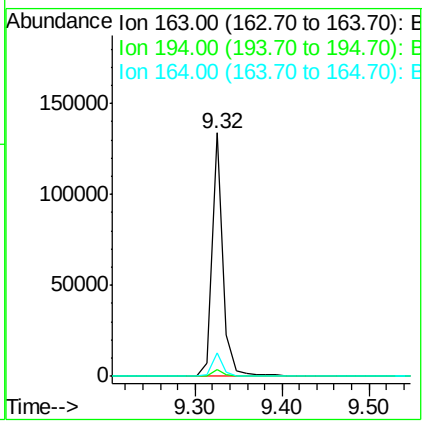


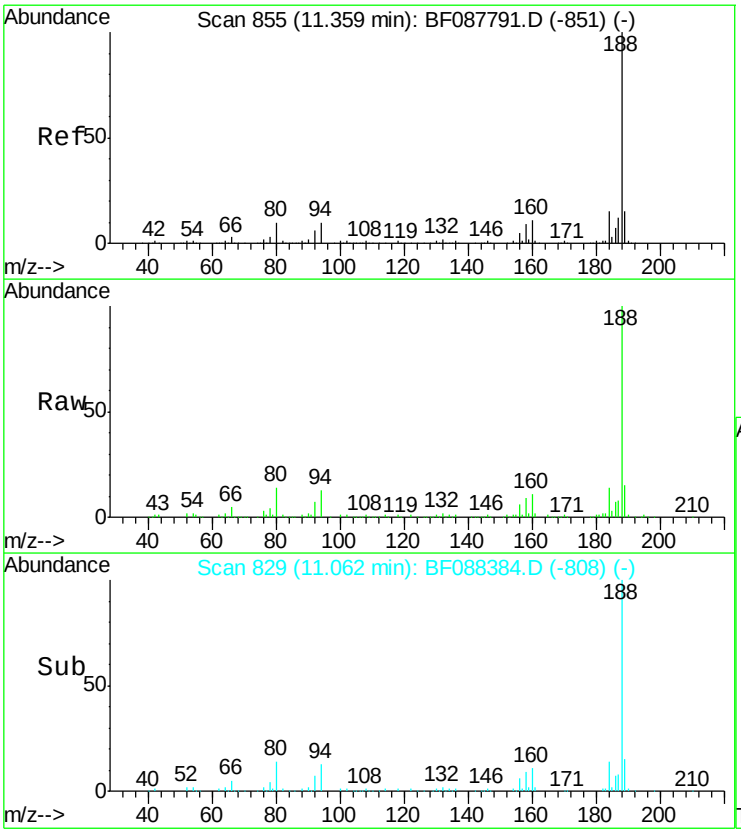
#49
Dimethylphthalate
Concen: 12.68 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:163 Resp: 118189

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	9.9	8.3	12.5

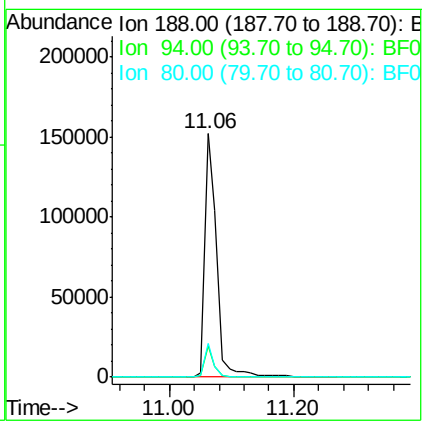


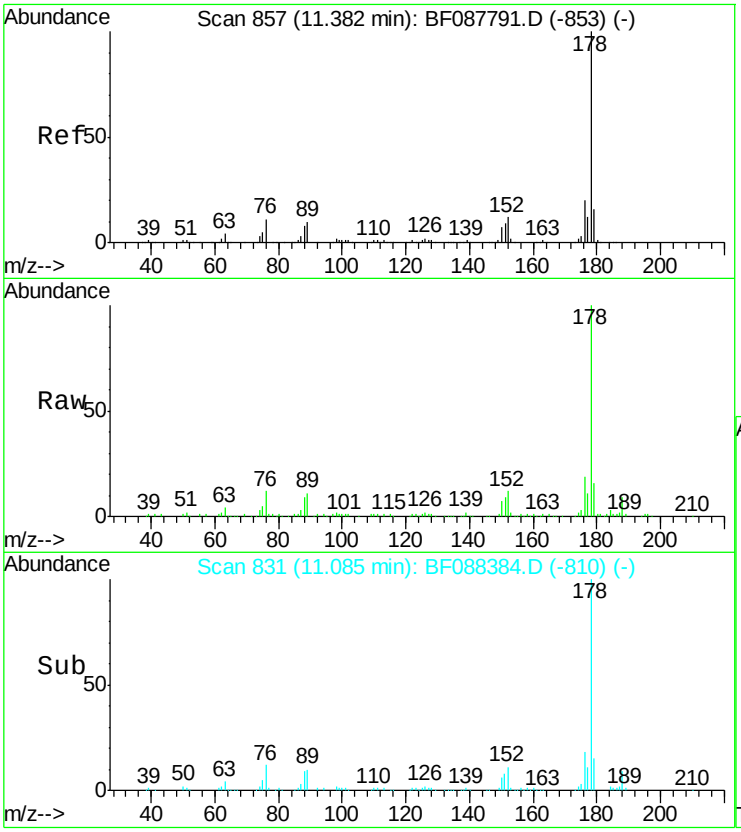


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:188 Resp: 200581

Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.0	13.6
80	13.6	10.0	15.0



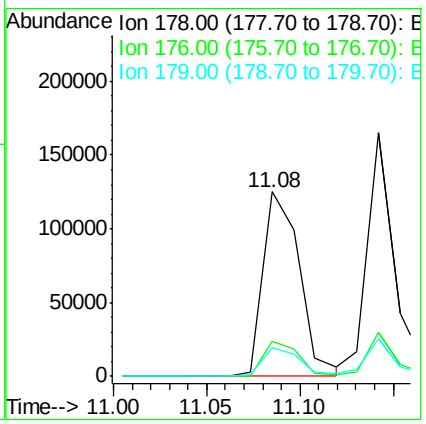


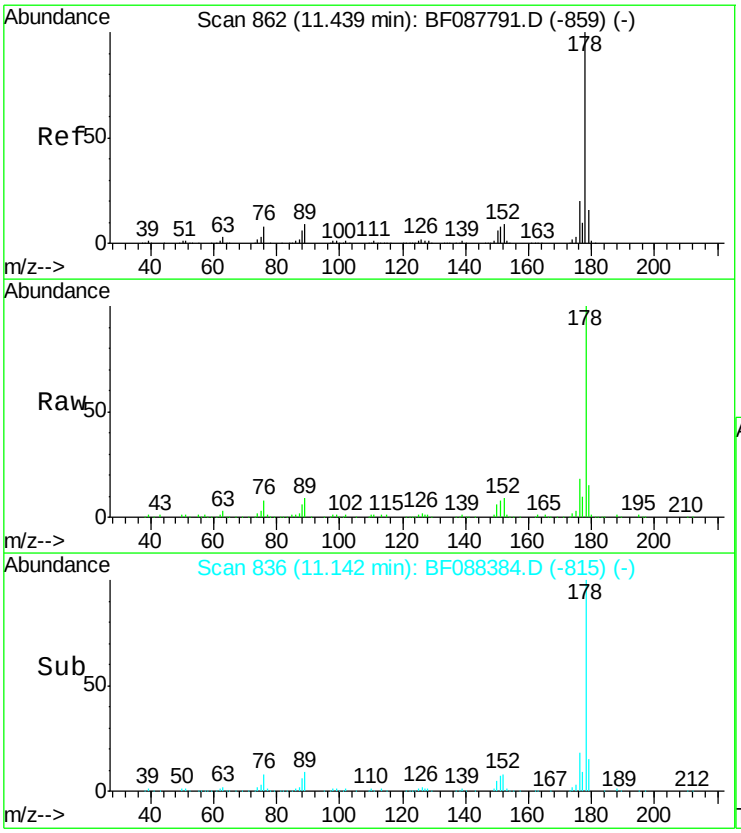
#70
Phenanthrene
Concen: 16.07 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:178 Resp: 169182

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.6	13.0	19.4

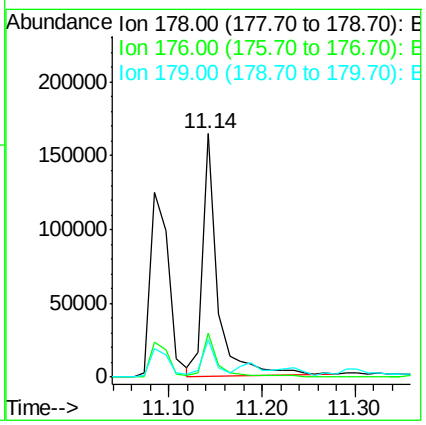


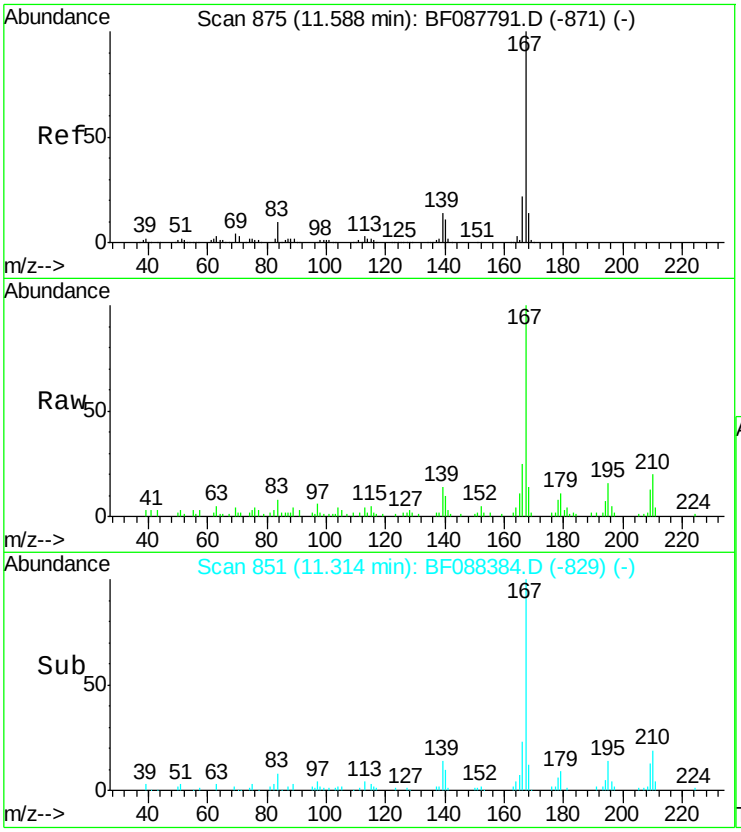


#71
Anthracene
Concen: 17.33 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:178 Resp: 184008

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.4	12.8	19.2



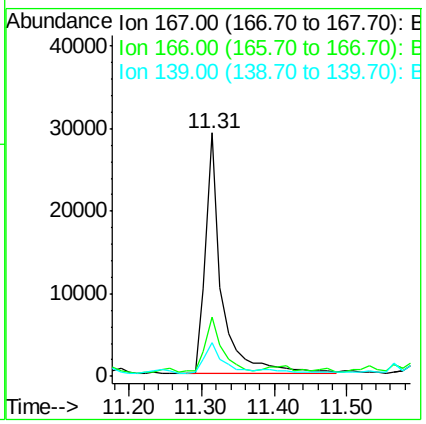


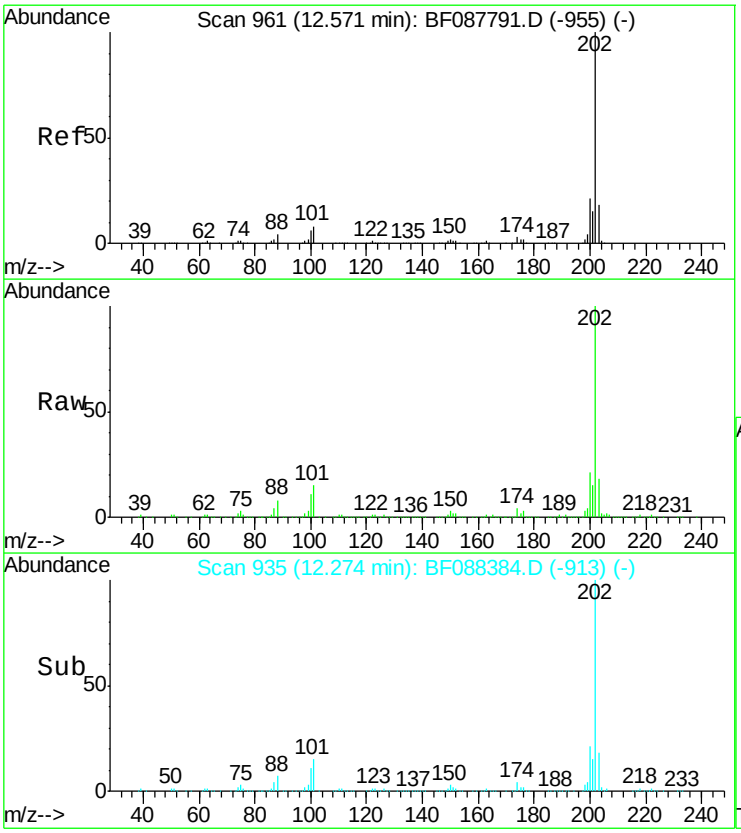
#72
Carbazole
Concen: 4.58 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:167 Resp: 45483

Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.8	26.6
139	14.0	11.2	16.8

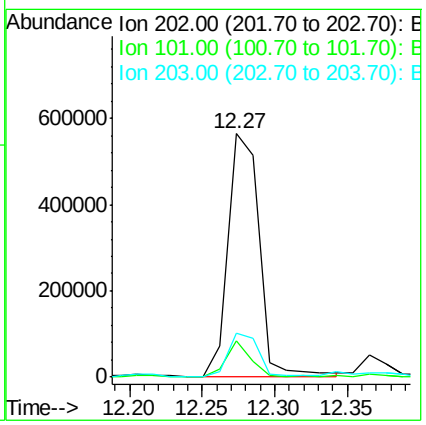


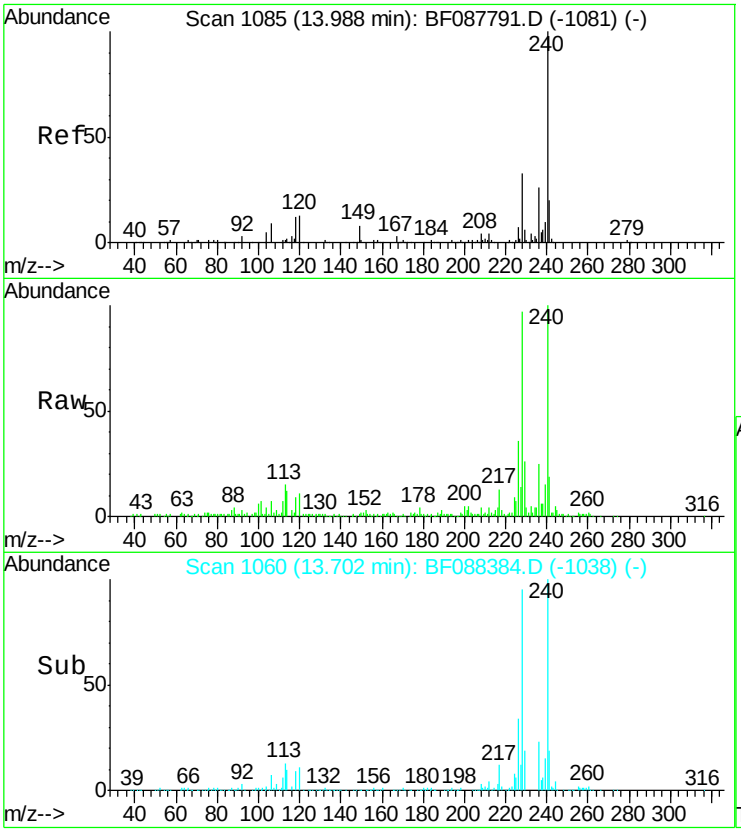


#74
Fluoranthene
Concen: 75.47 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:202 Resp: 838317

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	33.1
203	18.2	0.0	38.1



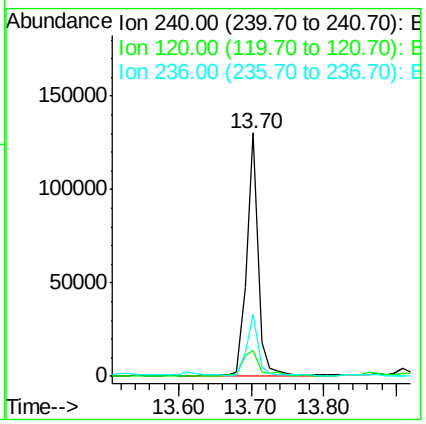


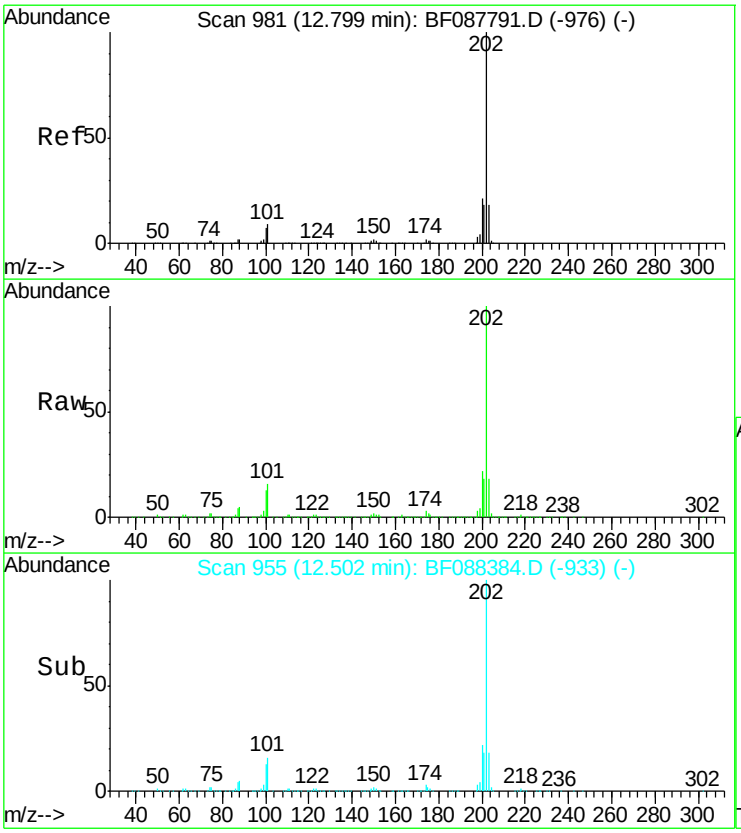
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:240 Resp: 144487

Ion	Ratio	Lower	Upper
240	100		
120	10.8	6.8	10.2#
236	25.3	20.2	30.2

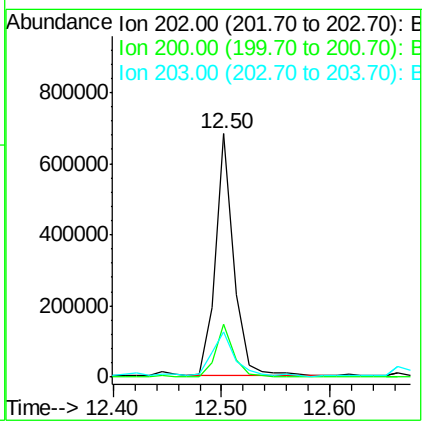


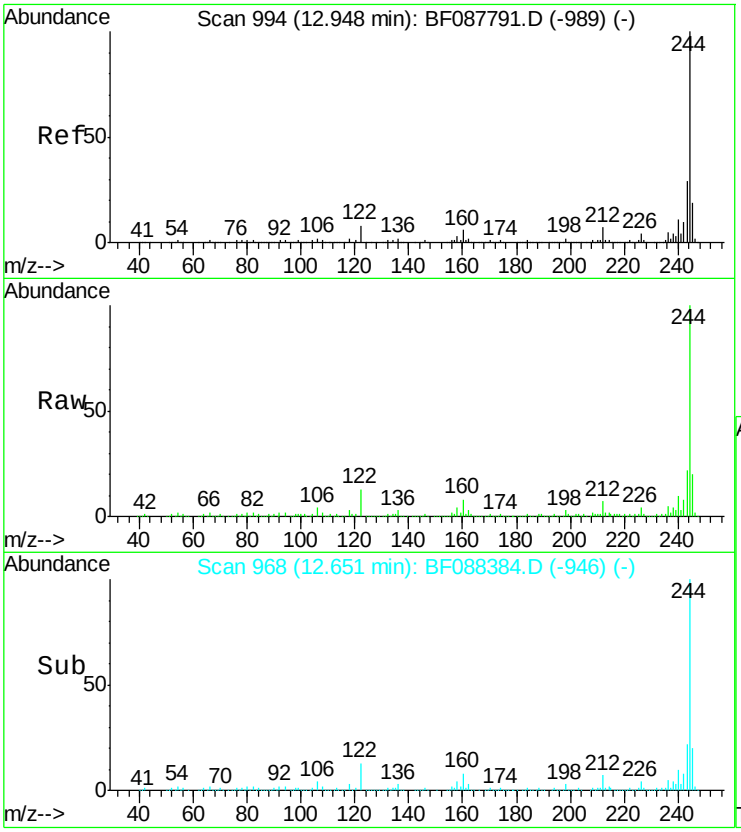


#77
Pyrene
Concen: 74.98 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:202 Resp: 803912

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.5	14.5	21.7



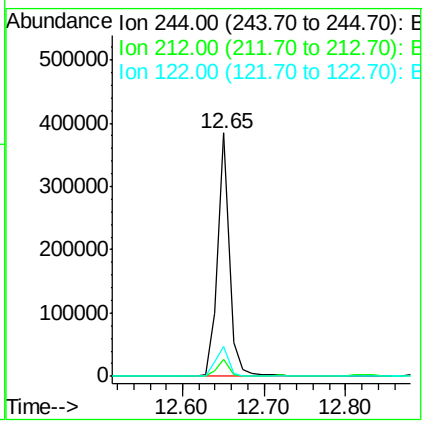


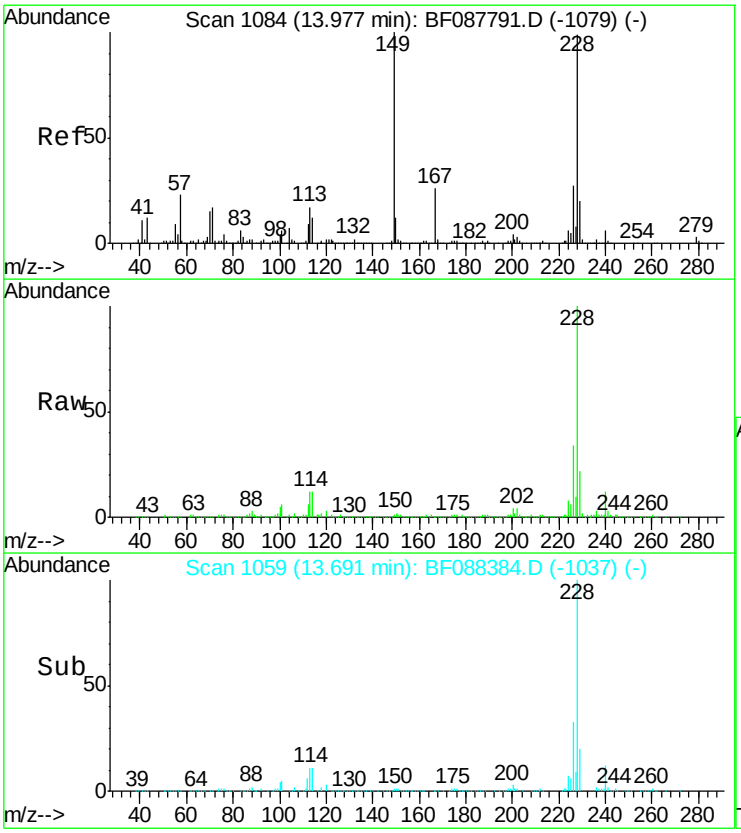
#78
Terphenyl-d14
Concen: 61.59 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:244 Resp: 391082

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.5	11.2	16.8

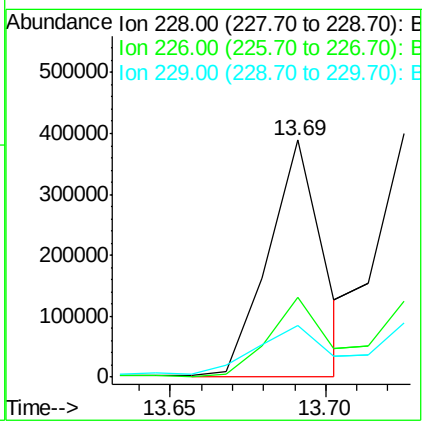


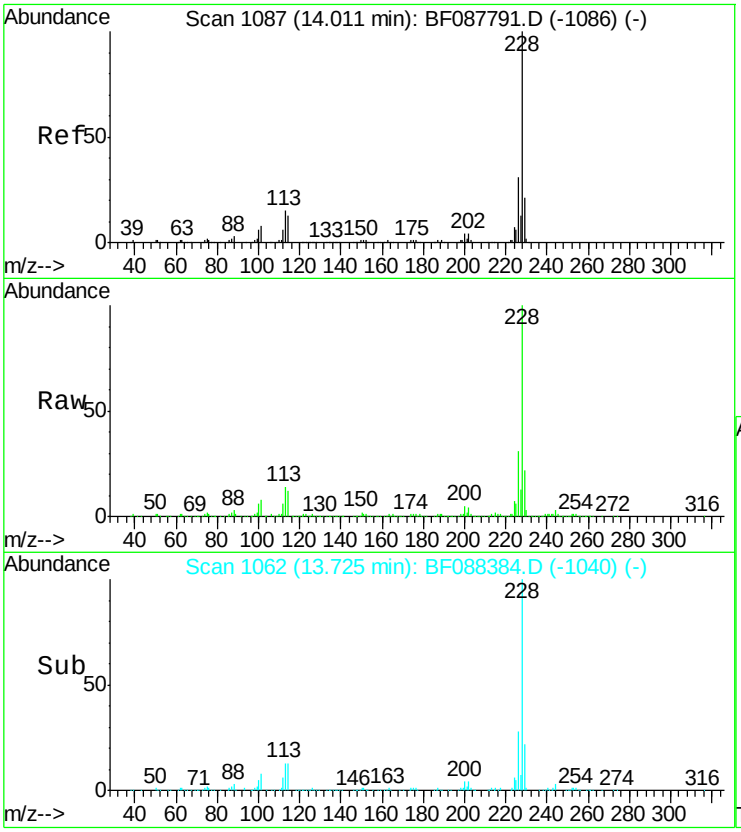


#80
Benzo(a)anthracene
Concen: 57.22 ng m
RT: 13.69 min Scan# 1059
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:228 Resp: 471134

Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.3	33.5#
229	21.7	16.0	24.0



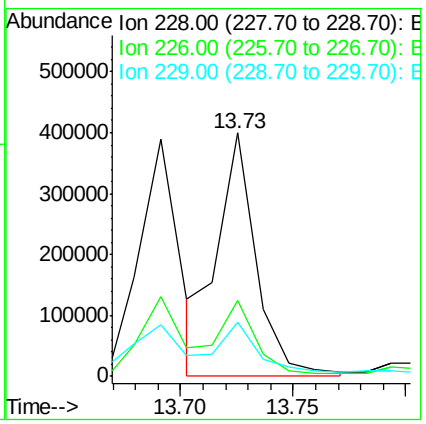


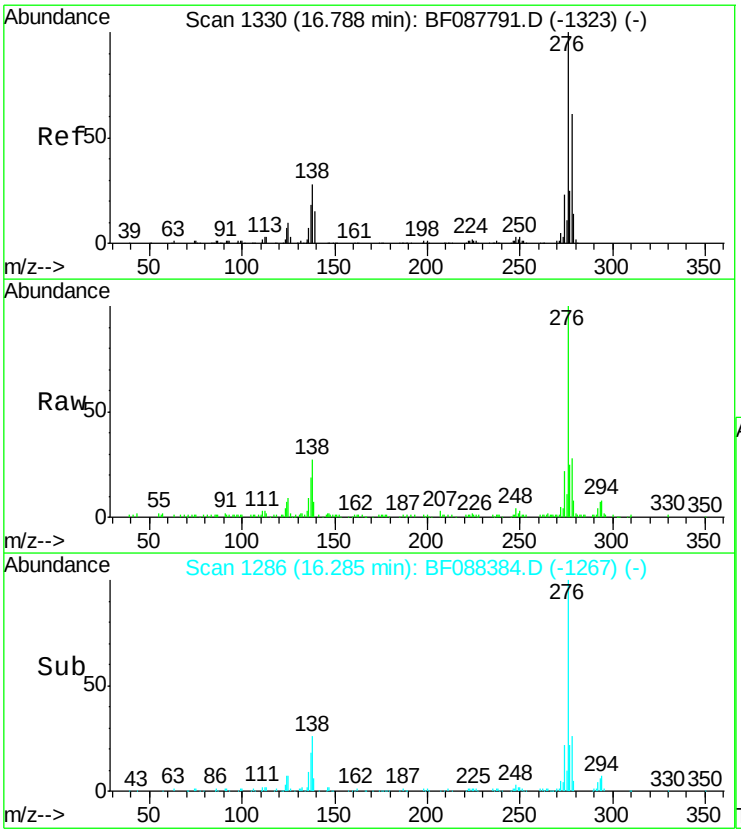
#82
Chrysene
Concen: 62.43 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:228 Resp: 483582

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.2
229	22.2	16.3	24.5

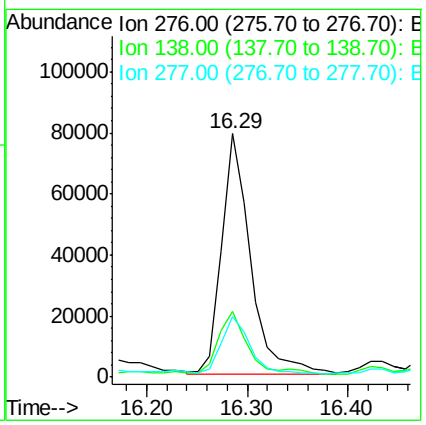


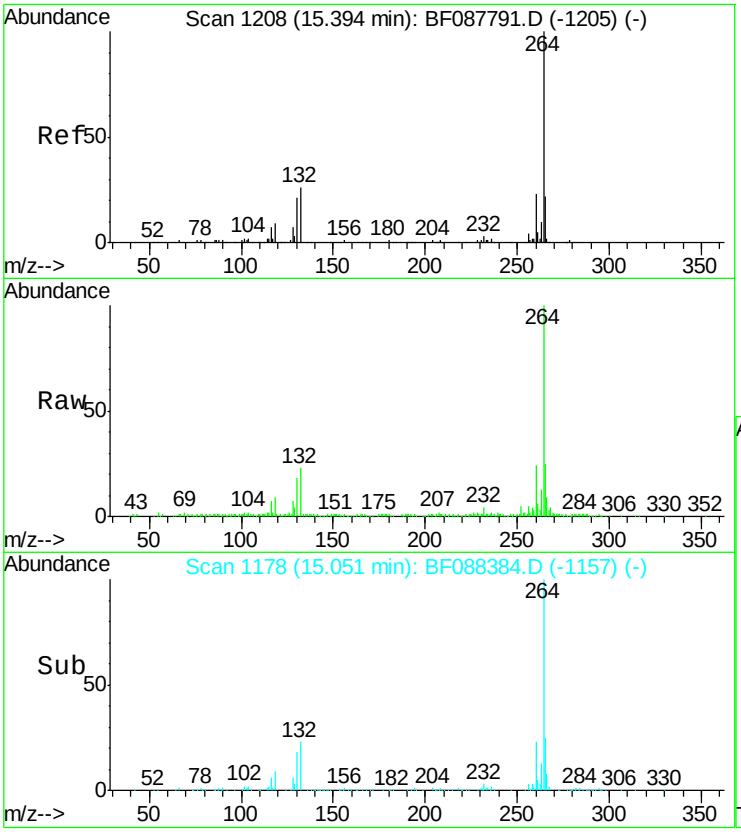


#85
Indeno(1,2,3-cd)pyrene
Concen: 21.74 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:276 Resp: 156440

Ion	Ratio	Lower	Upper
276	100		
138	27.5	0.0	0.0#
277	23.5	0.0	0.0#



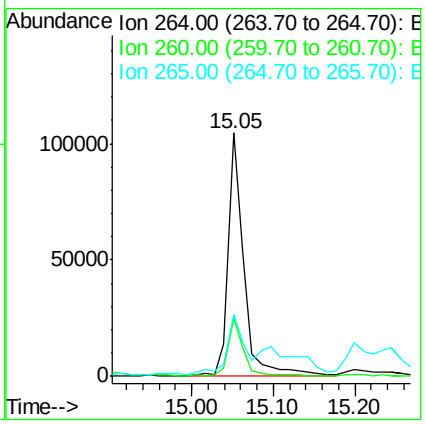


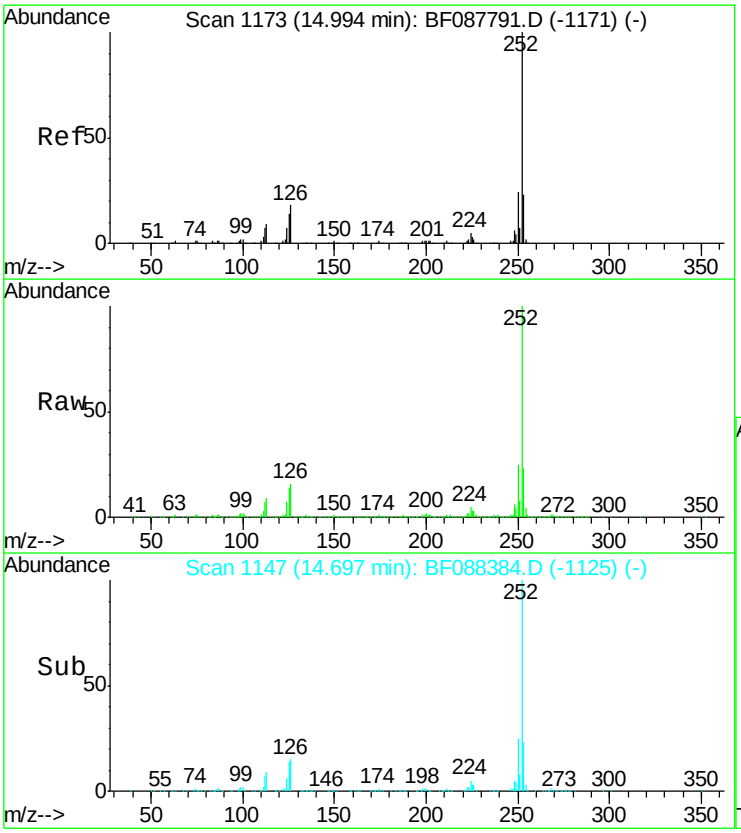
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:264 Resp: 137077

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	25.3	16.9	25.3#

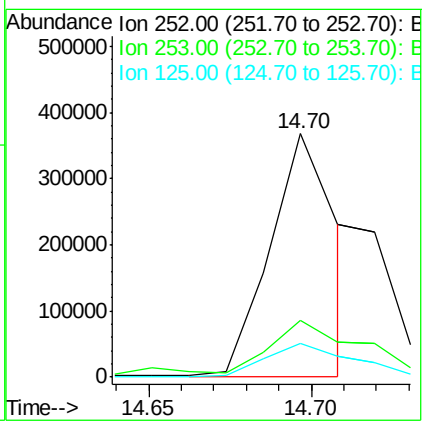


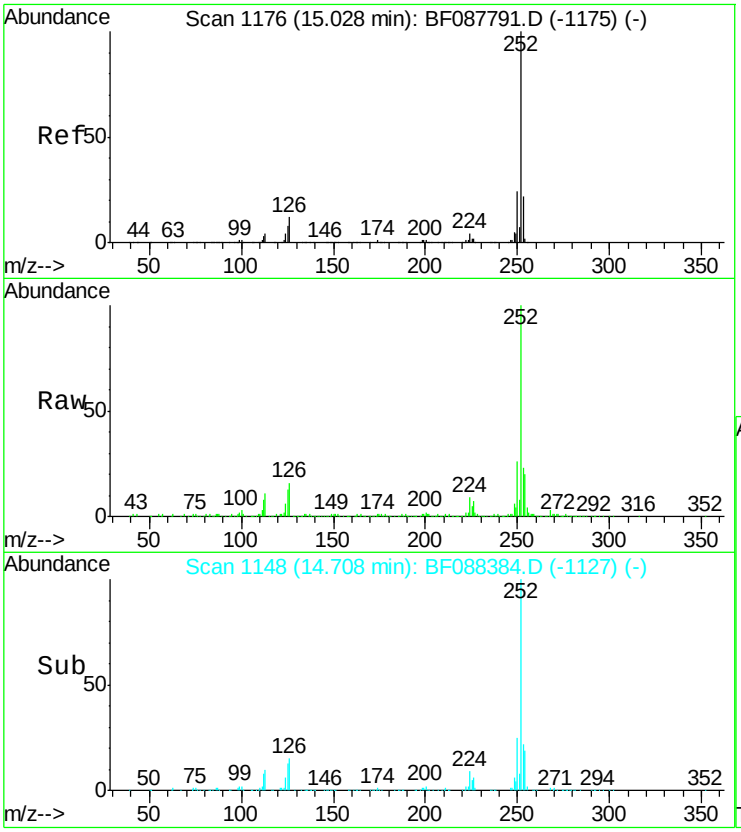


#87
Benzo(b)fluoranthene
Concen: 55.03 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:252 Resp: 525761

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.1	7.1	10.7#



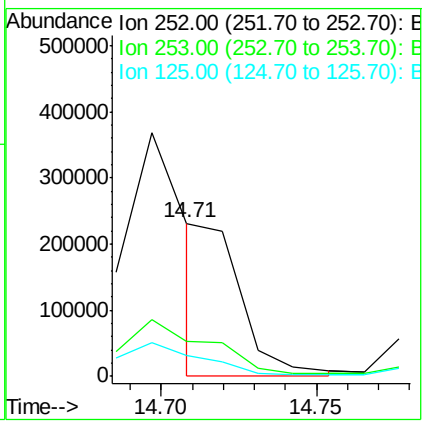


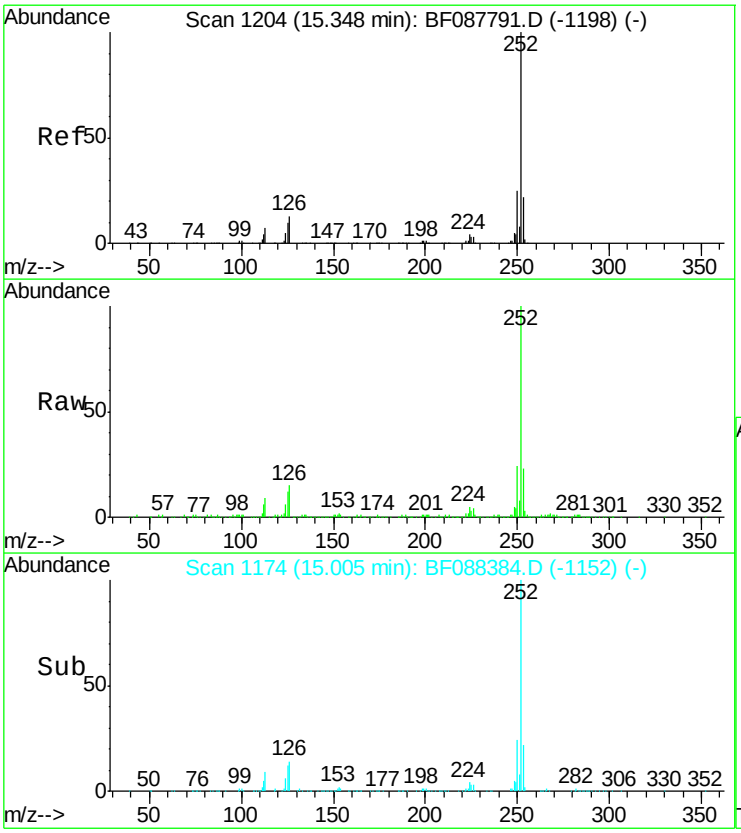
#88
Benzo(k)fluoranthene
Concen: 26.71 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:252 Resp: 192537

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	13.5	11.2	16.8

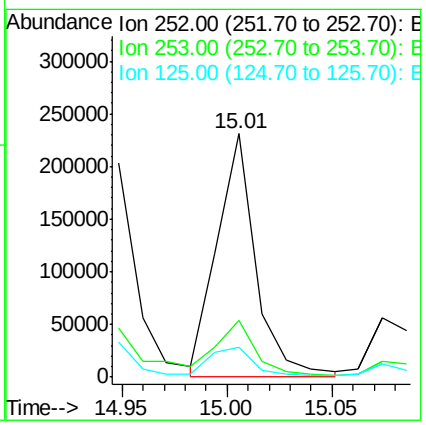


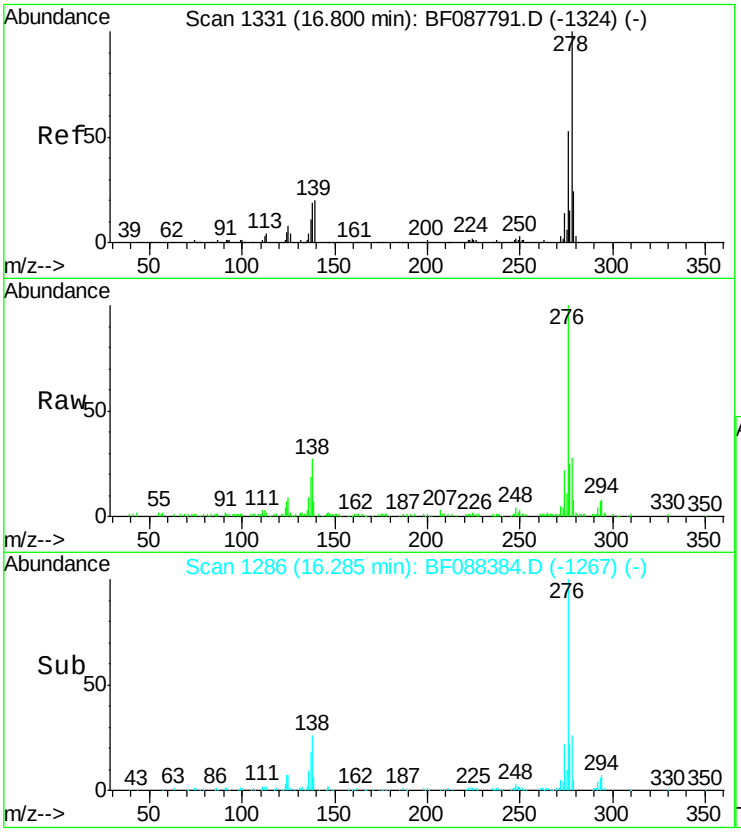


#89
Benzo(a)pyrene
Concen: 38.86 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:252 Resp: 300405

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.0	12.5	18.7#



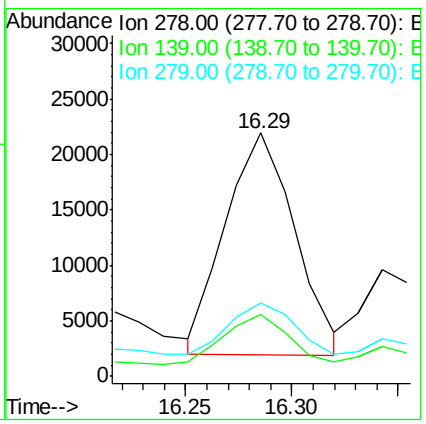


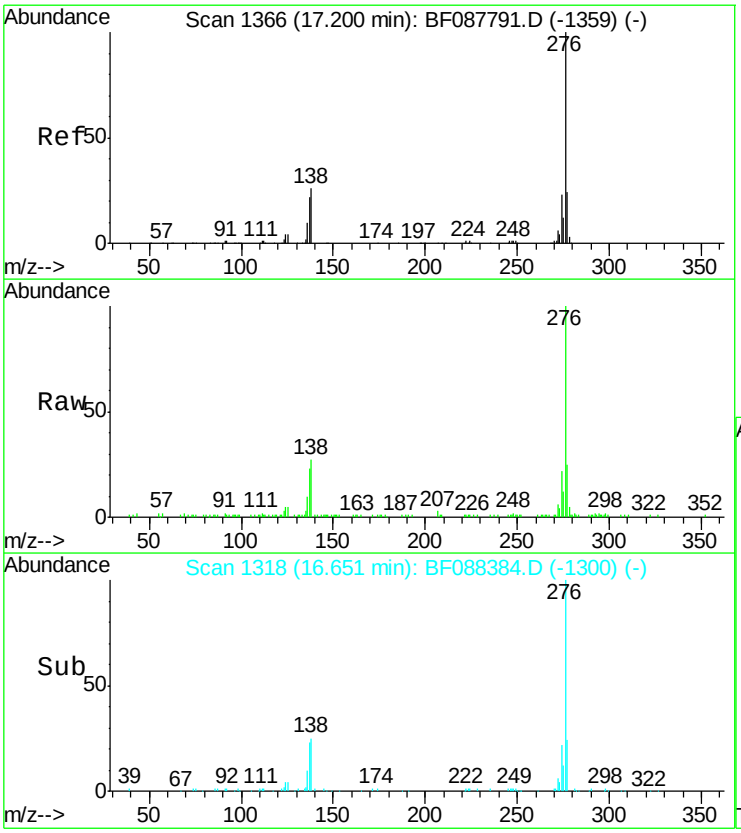
#90
Dibenzo(a,h)anthracene
Concen: 6.30 ng m
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Instrument :
BNA_F
ClientSampleId :
SC-STA-1466(0-4)

Tgt Ion:278 Resp: 45246

Ion	Ratio	Lower	Upper
278	100		
139	25.1	15.7	23.5#
279	30.2	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 17.33 ng
RT: 16.65 min Scan# 1318
Delta R.T. -0.09 min
Lab File: BF088384.D
Acq: 25 Jun 2016 18:41

Tgt Ion:276 Resp: 127971

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	26.8	21.4	32.2