Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1481(0-4)

Quant Time: Jun 26 03:21:32 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	81581m	20.00	ng		-0.05
21) Naphthalene-d8	7.85	136	322838	20.00	ng		-0.05
38) Acenaphthene-d10	9.59	164	138531	20.00	ng		-0.06
63) Phenanthrene-d10	11.07	188	228187	20.00	ng		-0.05
75) Chrysene-d12	13.70	240	141897	20.00	ng		-0.05
86) Perylene-d12	15.06	264	149410	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.14	112	436910	91.56	ng		-0.03
7) Phenol-d6	6.23	99	537364	92.91	ng		-0.03
23) Nitrobenzene-d5	7.14	82	363414	65.73	ng		-0.03
41) 2,4,6-Tribromophenol	10.39	330	113927	77.89	ng		-0.05
44) 2-Fluorobiphenyl	8.92	172	619306	69.20	ng		-0.05
78) Terphenyl-d14	12.65	244	396104	63.52	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	7.87	128	36346	2.28	ng		98
48) Acenaphthylene	9.45	152	271419	19.03	ng		99
49) Dimethylphthalate	9.32	163	103062	10.27	ng		100
70) Phenanthrene	11.10	178	379205	31.67	ng		98
71) Anthracene	11.14	178	286107	23.69	ng		99
72) Carbazole	11.31	167	54089	4.79	ng		97
74) Fluoranthene	12.28	202	1165598	92.24	ng		100
77) Pyrene	12.51	202	1284799	122.02	ng		99
80) Benzo(a)anthracene	13.69	228	914086	113.04	ng	#	91
82) Chrysene	13.74	228	729165m	95.85	ng		
85) Indeno(1,2,3-cd)pyrene	16.30	276	350962	49.66	ng	#	100
87) Benzo(b)fluoranthene	14.71	252	1052062m	101.03	ng		
88) Benzo(k)fluoranthene	14.72	252	306344m	39.00	ng		
89) Benzo(a)pyrene	15.02	252	638990m	75.84	ng		
90) Dibenzo(a,h)anthracene	16.30	278	89589m	11.45	ng		
91) Benzo(g,h,i)perylene	16.66	276	286173	35.55	ng		100

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

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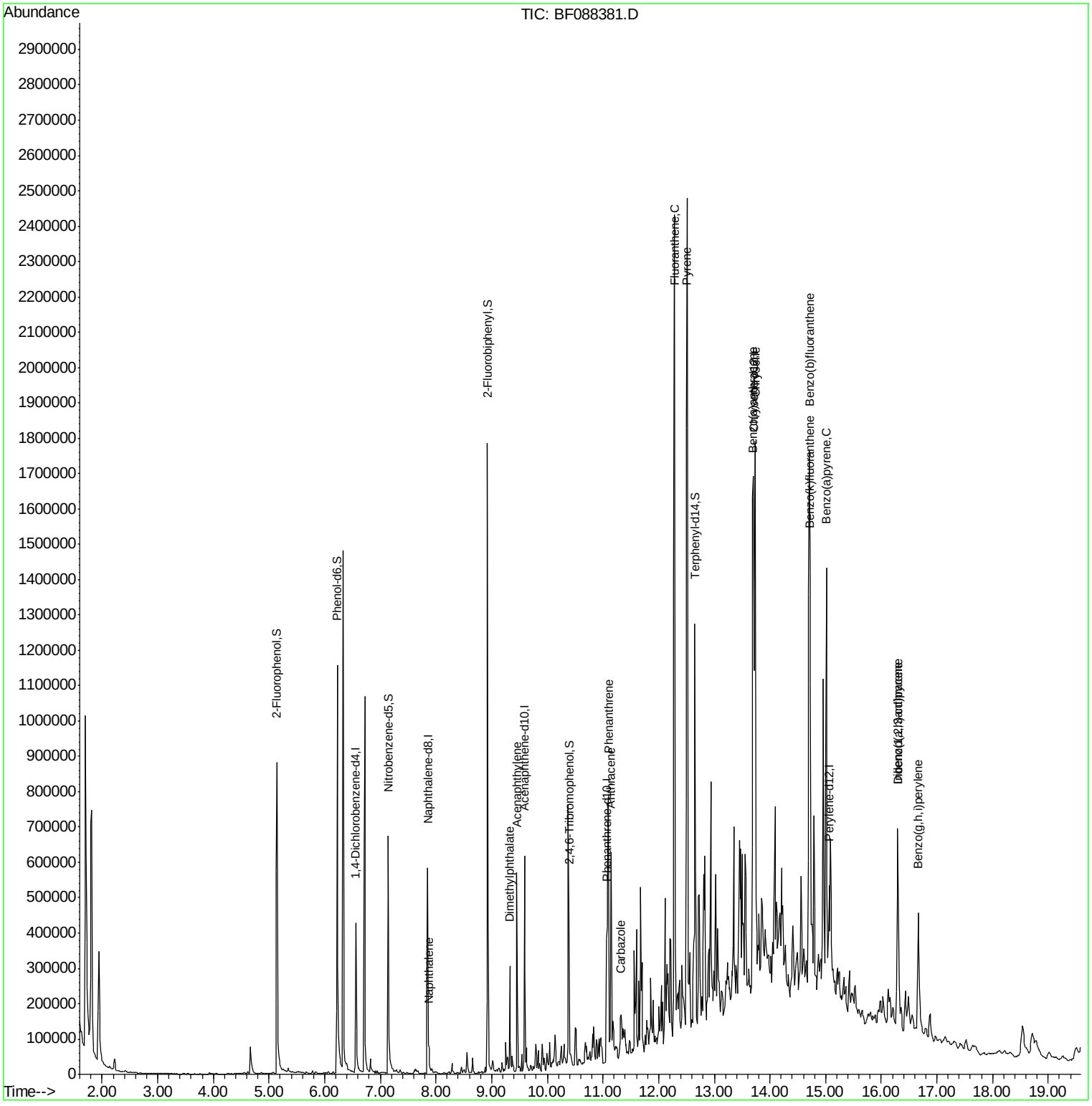
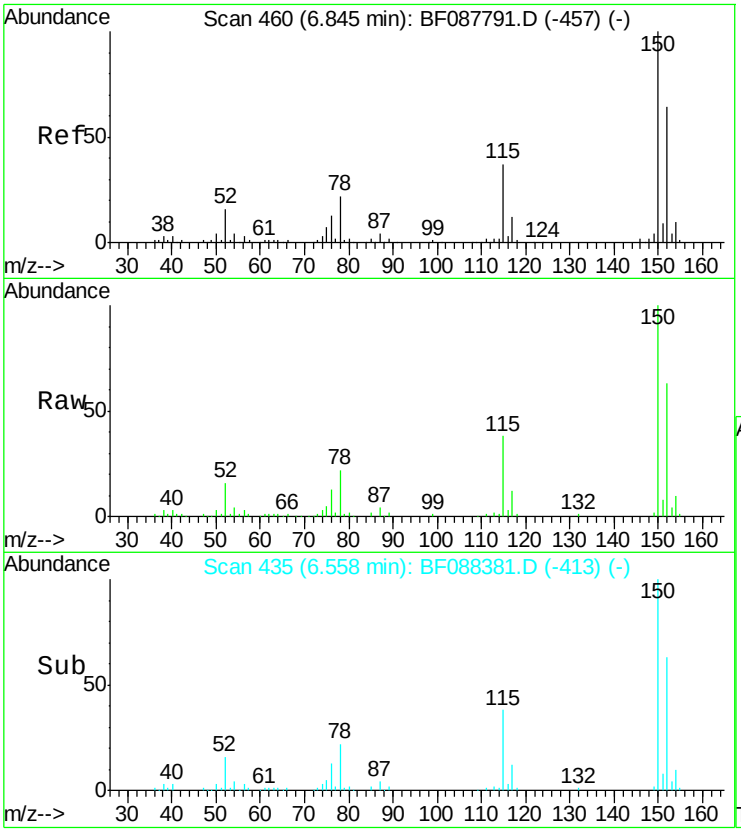


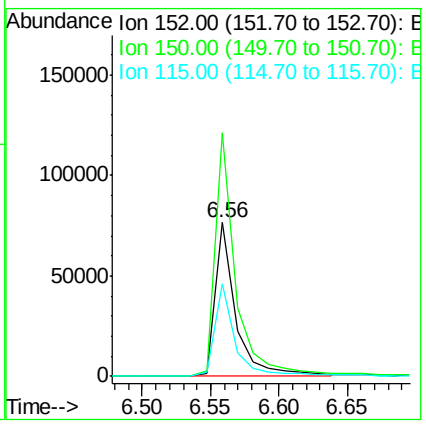


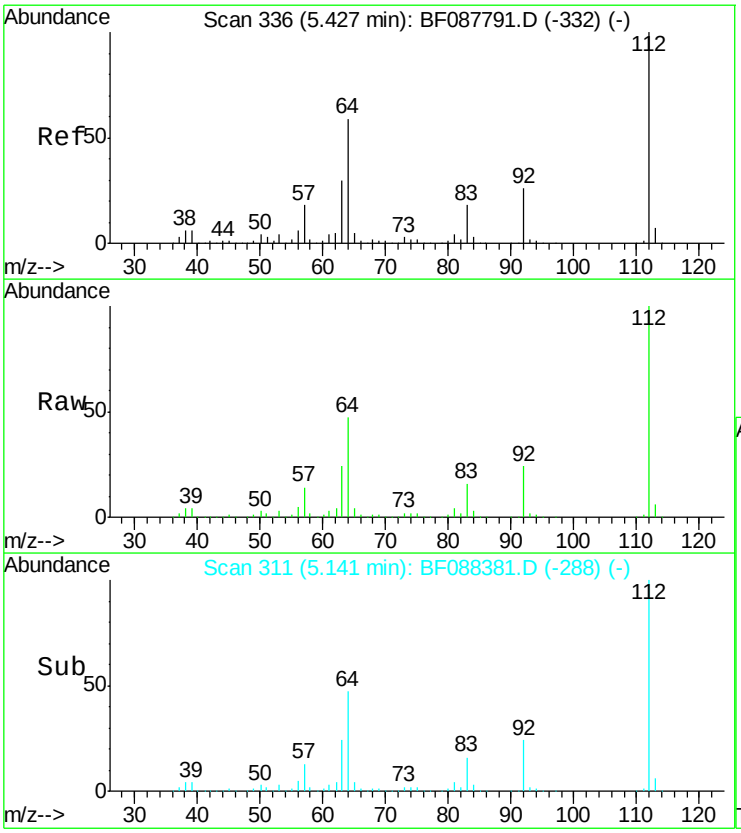
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:152 Resp: 81581

Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.8	185.6
115	59.8	39.6	59.4#

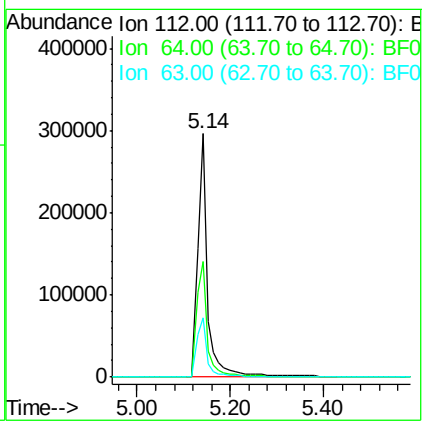


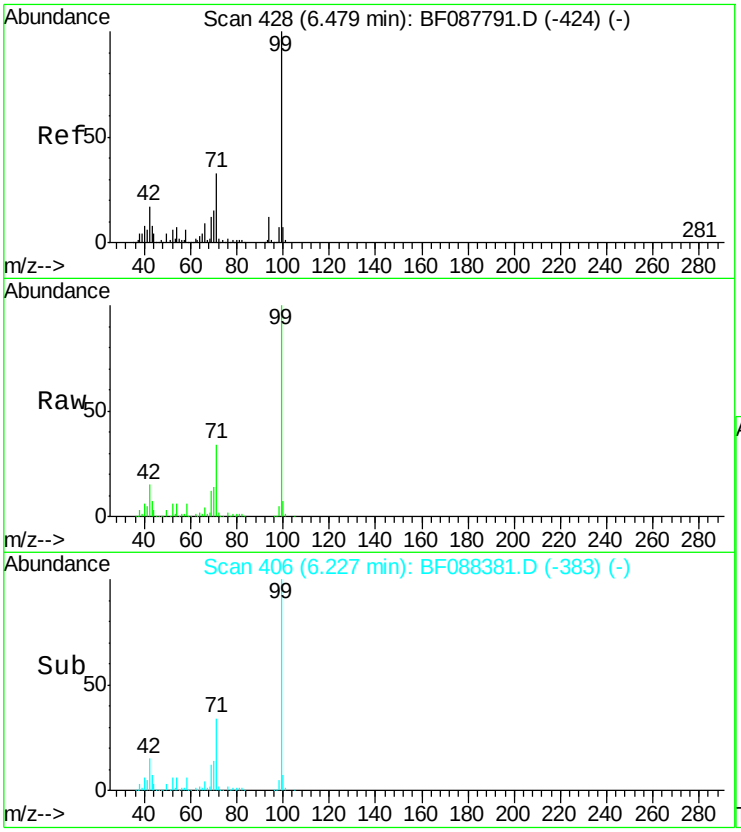


#5
2-Fluorophenol
Concen: 91.56 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:112 Resp: 436910

Ion	Ratio	Lower	Upper
112	100		
64	47.2	42.2	63.2
63	24.1	21.8	32.8



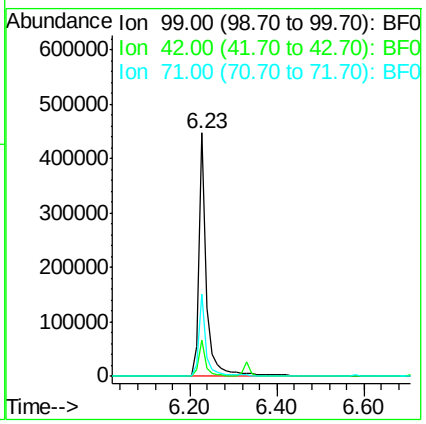


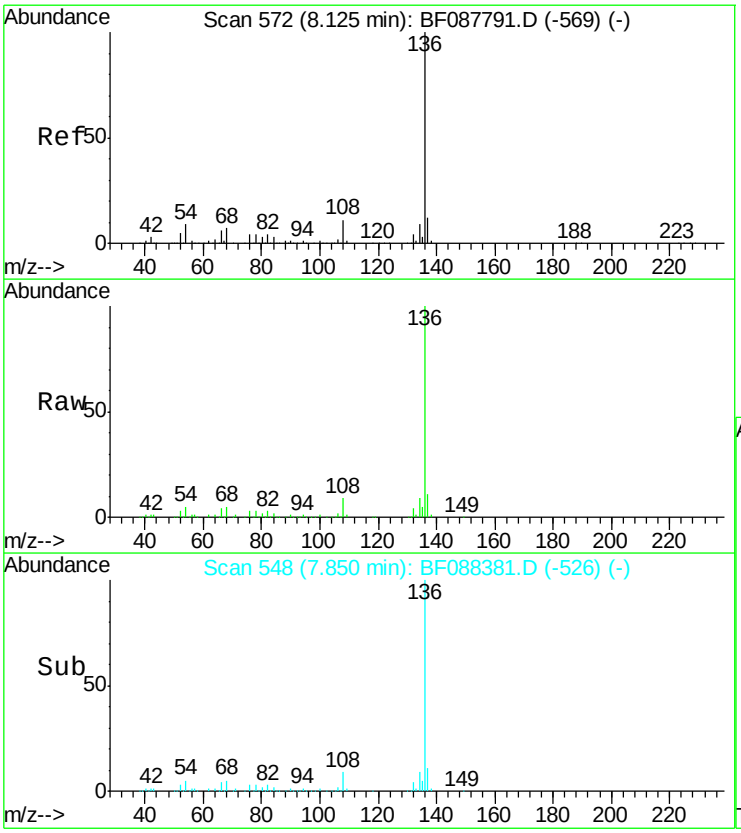
#7
Phenol-d6
Concen: 92.91 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion: 99 Resp: 537364

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.2	18.2
71	33.7	23.4	35.0

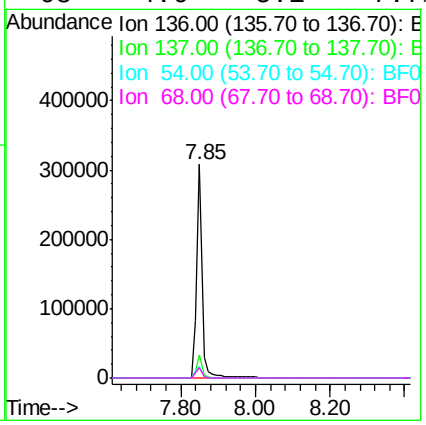


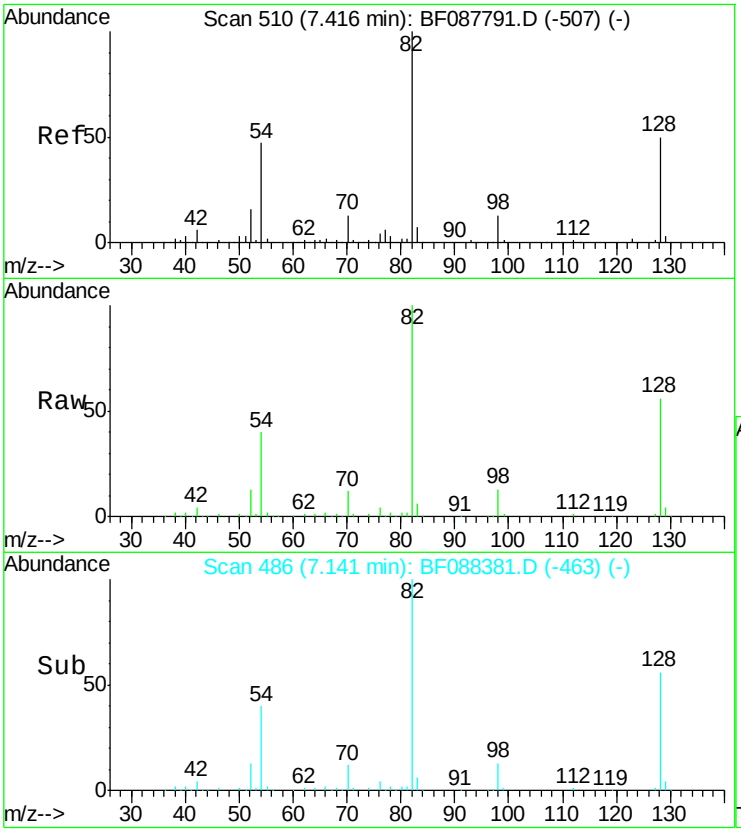


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:136 Resp: 322838

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.2	6.6	10.0#
68	4.6	5.1	7.7#



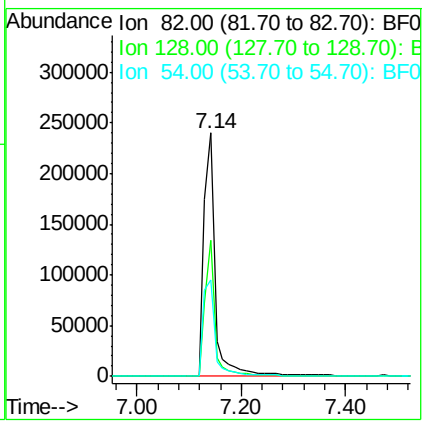


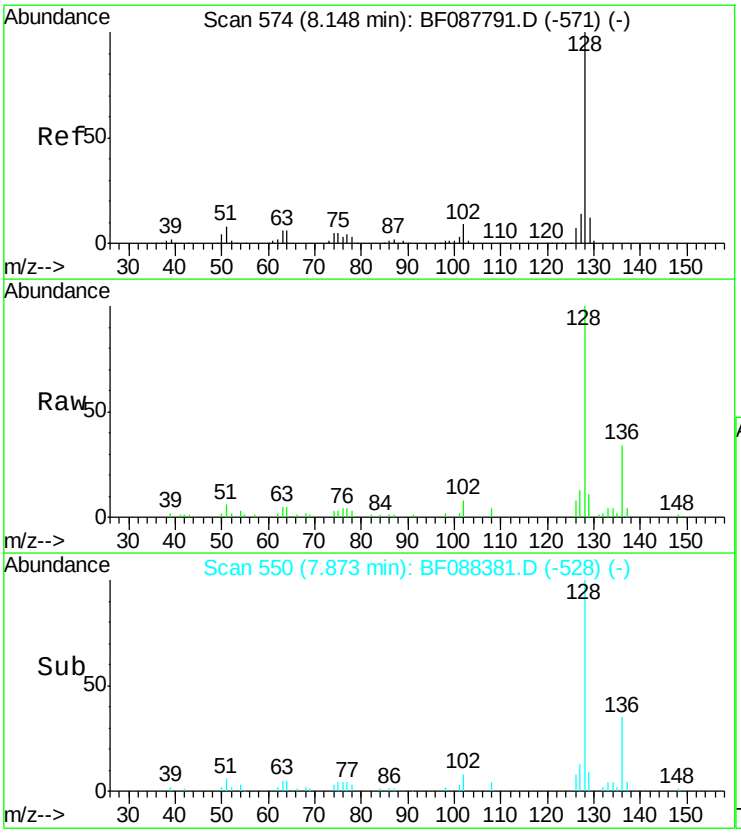
#23
Nitrobenzene-d5
Concen: 65.73 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion: 82 Resp: 363414

Ion	Ratio	Lower	Upper
82	100		
128	56.1	35.9	53.9#
54	39.8	40.9	61.3#

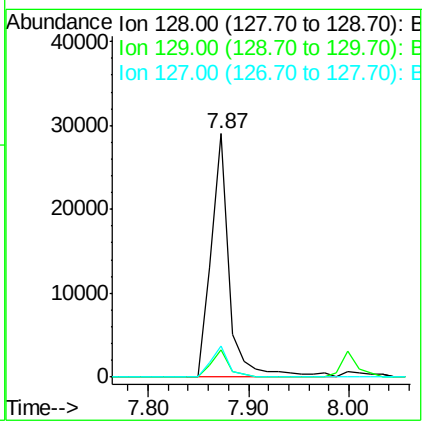


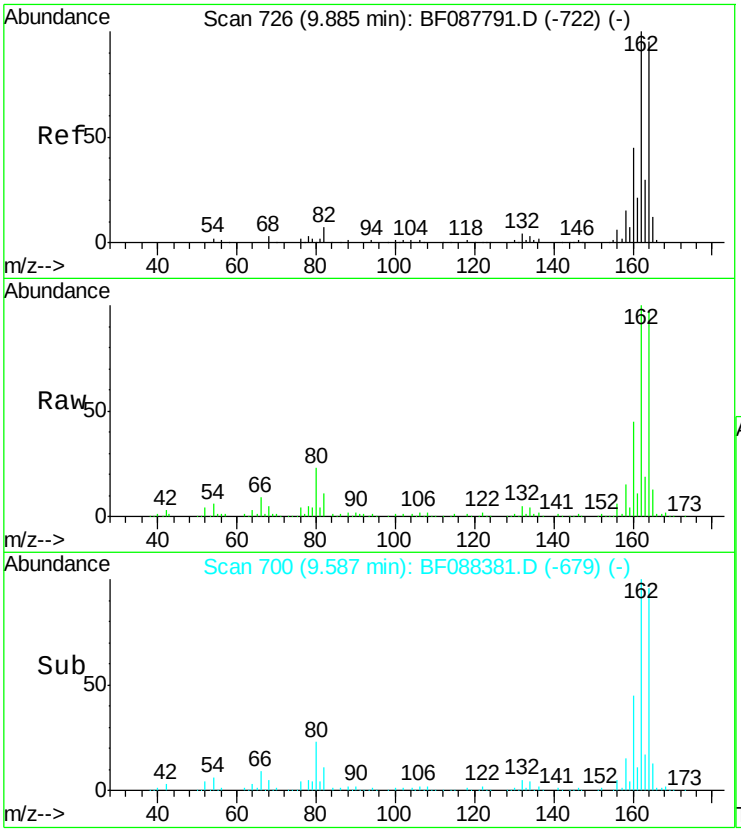


#31
Naphthalene
Concen: 2.28 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:128 Resp: 36346

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	12.8	10.9	16.3



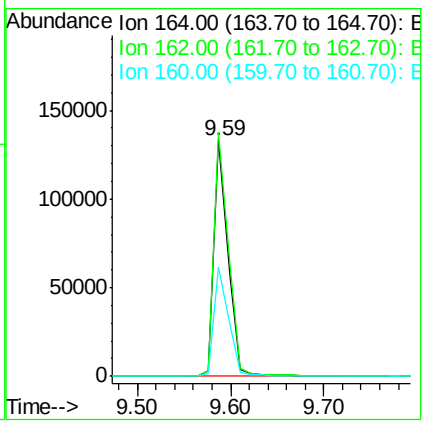


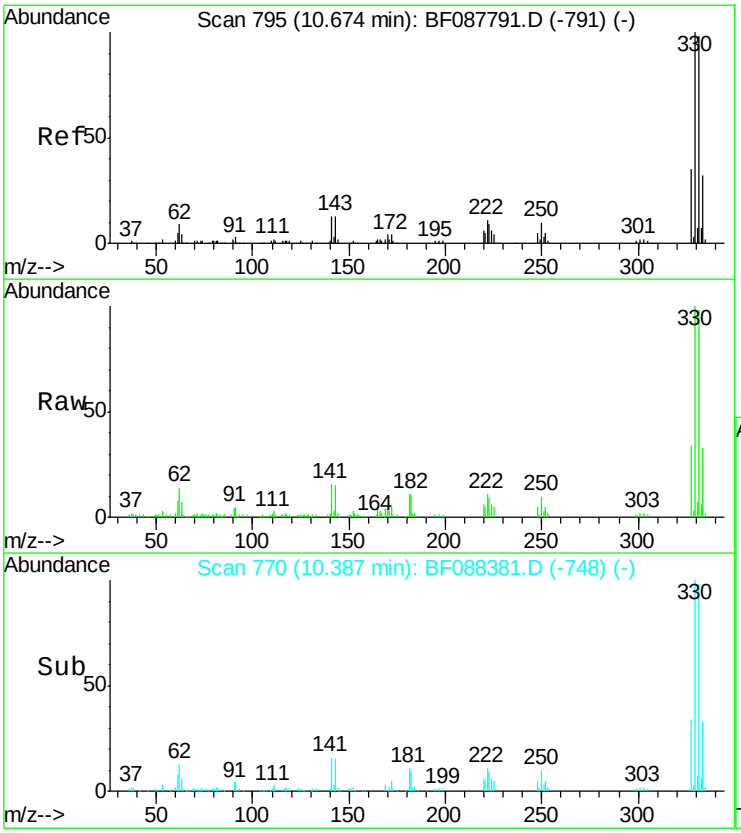
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:164 Resp: 138531

Ion	Ratio	Lower	Upper
164	100		
162	103.3	85.4	128.2
160	46.5	39.5	59.3

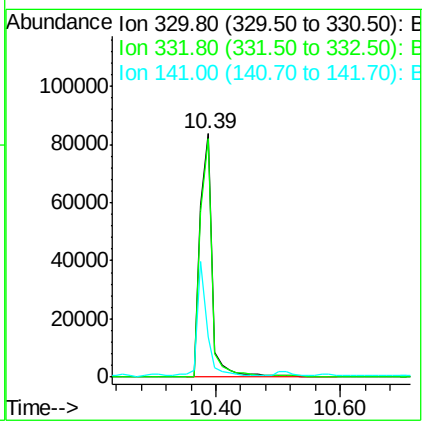


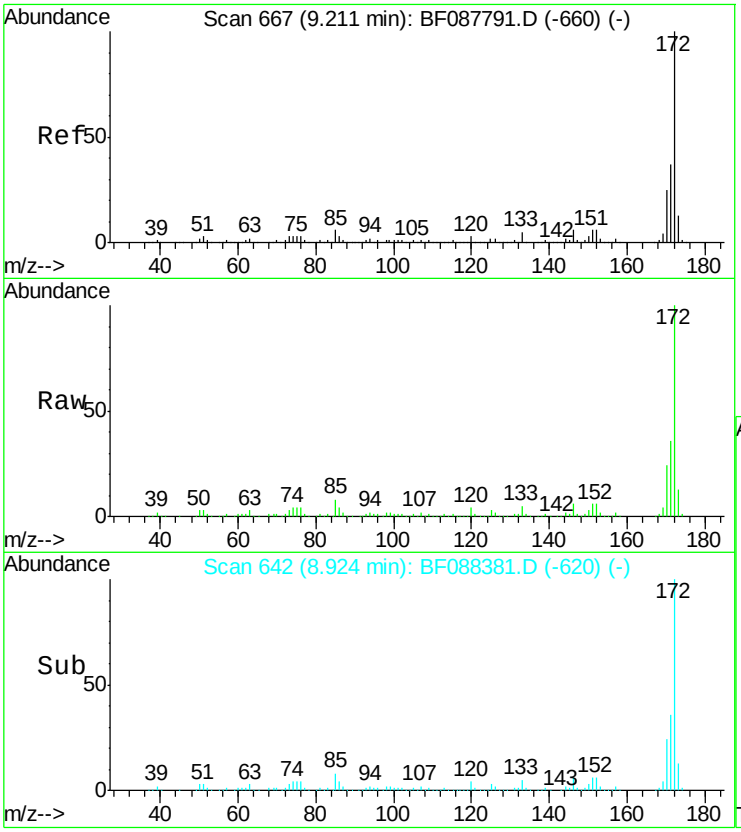


#41
2,4,6-Tribromophenol
Concen: 77.89 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:330 Resp: 113927

Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	38.2	0.0	0.0#



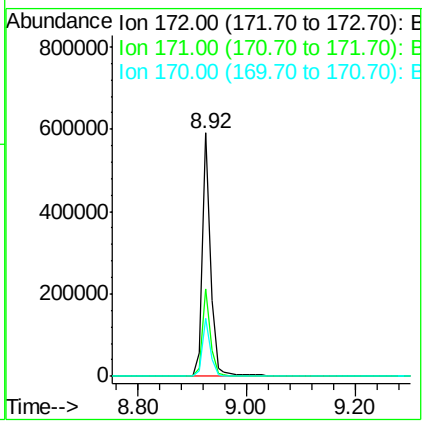


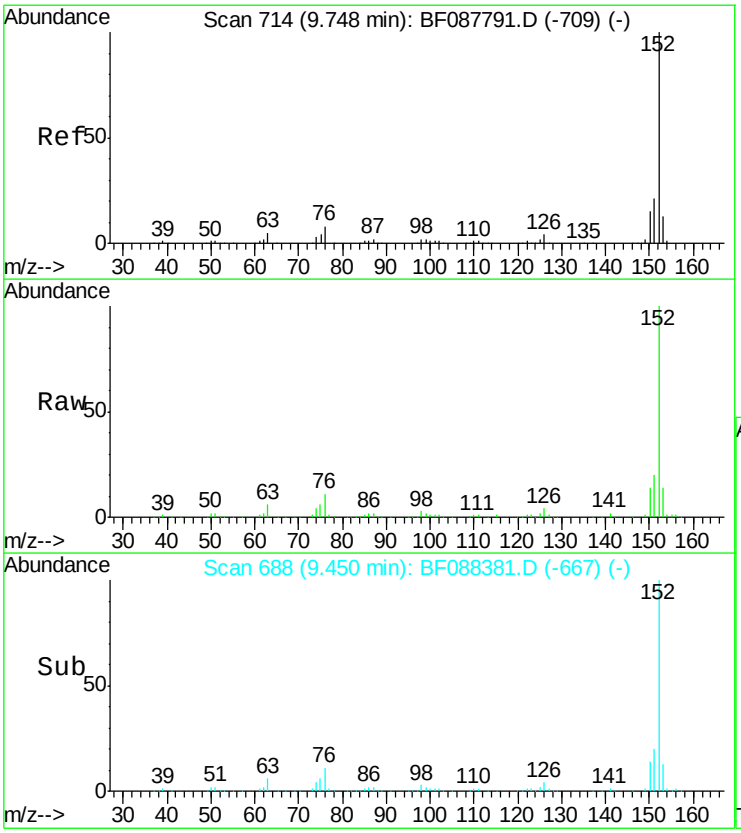
#44
2-Fluorobiphenyl
Concen: 69.20 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:172 Resp: 619306

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.2	28.8

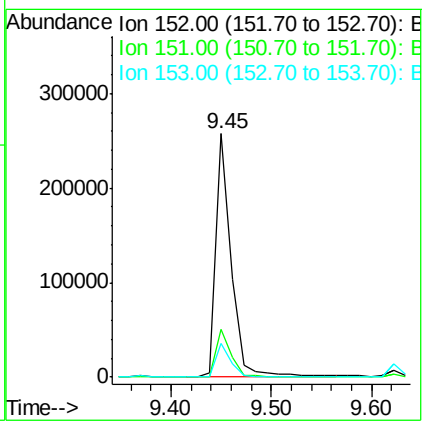


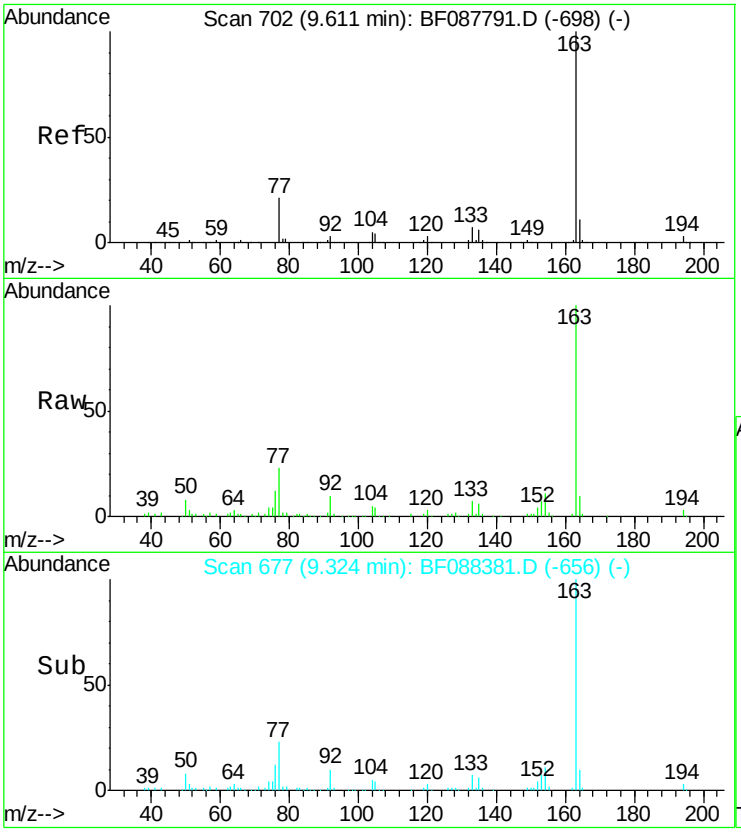


#48
Acenaphthylene
Concen: 19.03 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:152 Resp: 271419

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.6	11.0	16.6



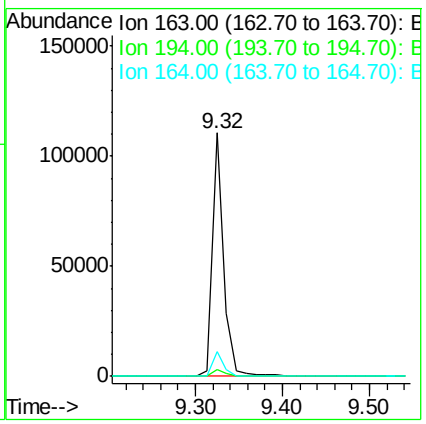


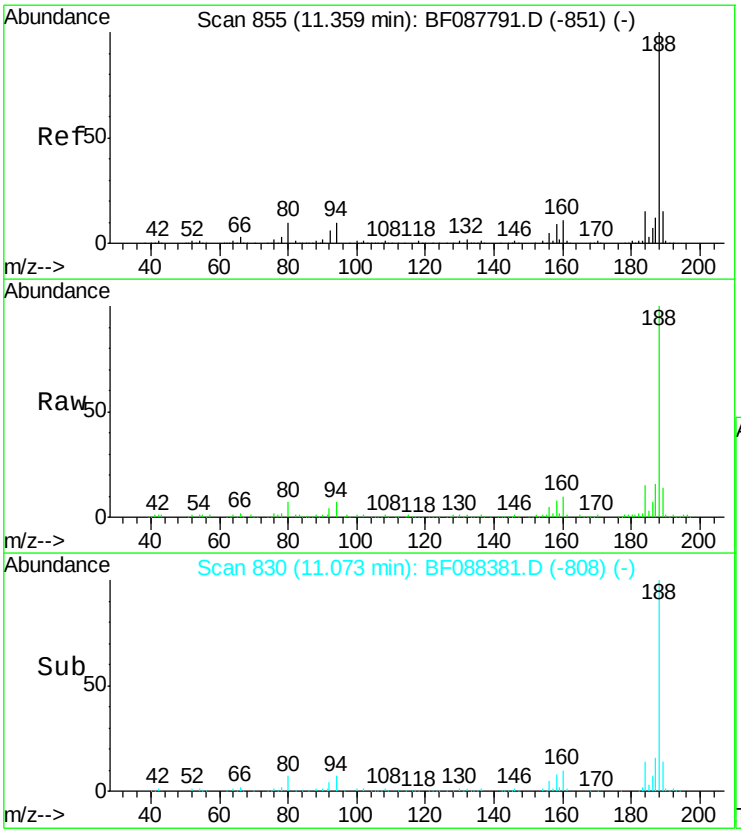
#49
Dimethylphthalate
Concen: 10.27 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:163 Resp: 103062

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.3	8.3	12.5

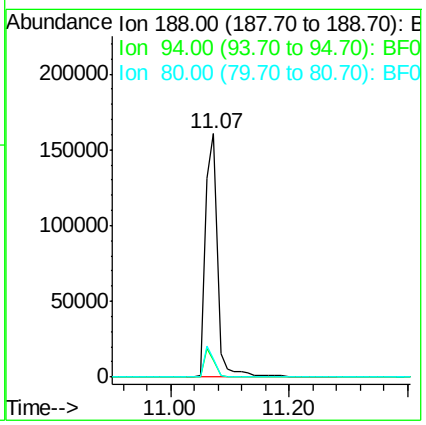


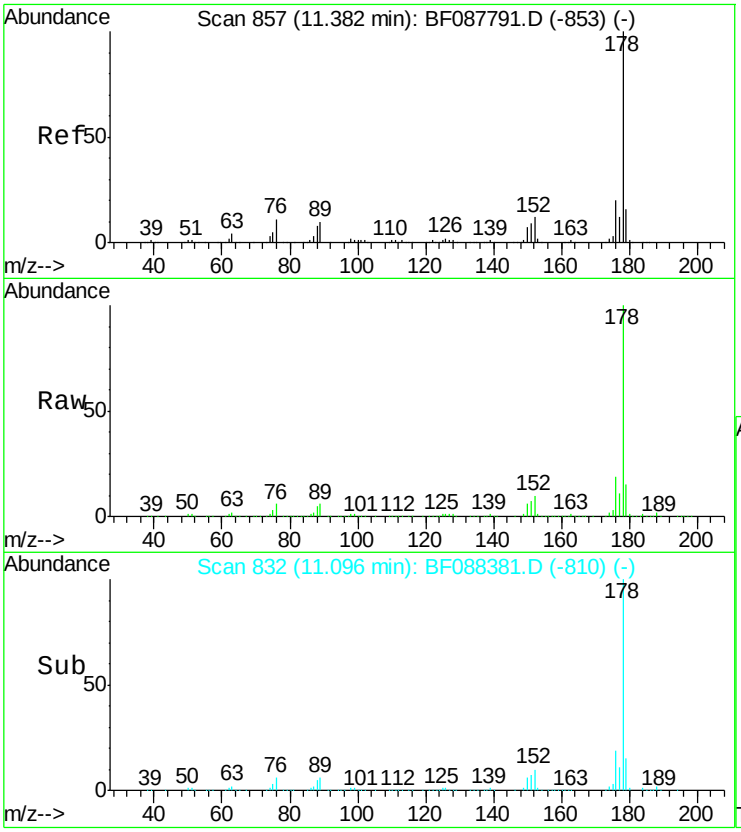


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:188 Resp: 228187

Ion	Ratio	Lower	Upper
188	100		
94	7.2	9.0	13.6#
80	7.4	10.0	15.0#



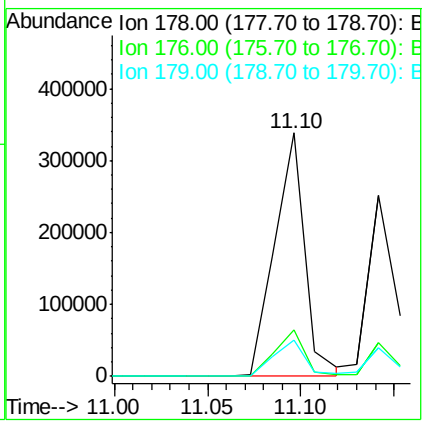


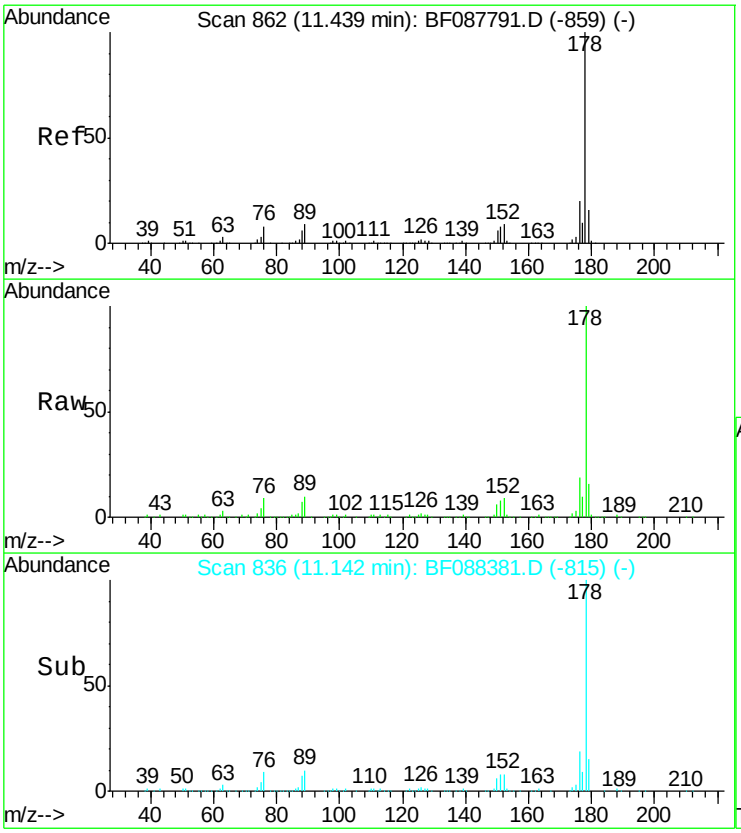
#70
Phenanthrene
Concen: 31.67 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:178 Resp: 379205

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.1	13.0	19.4

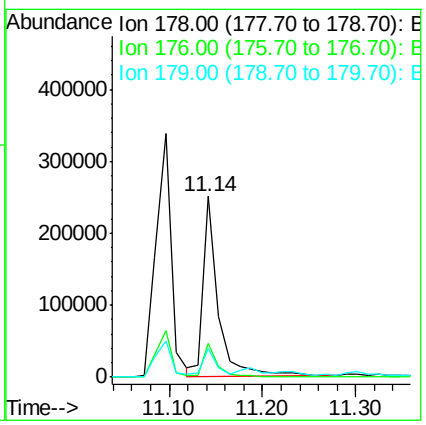


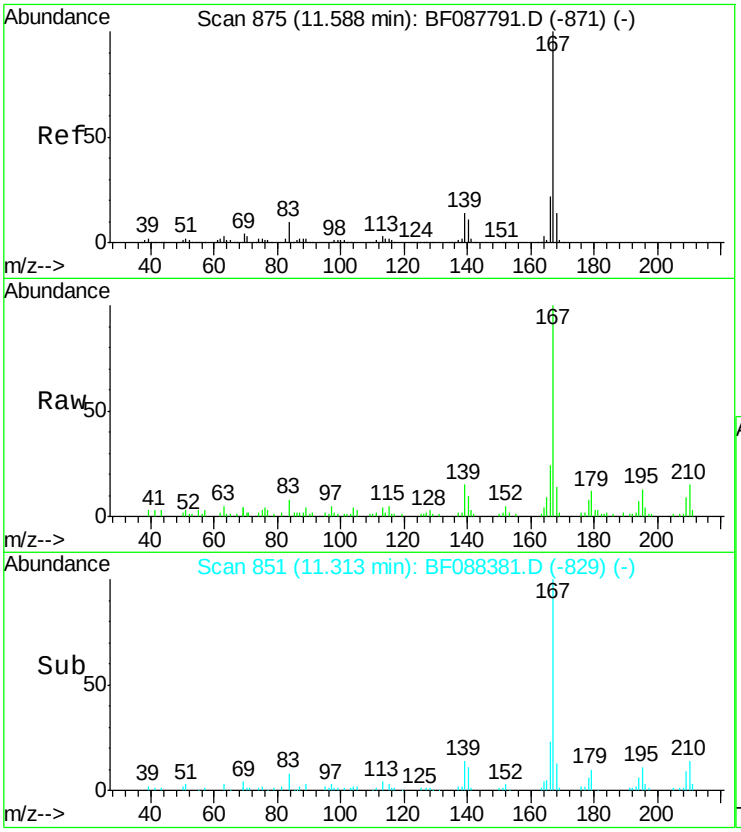


#71
Anthracene
Concen: 23.69 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.06 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:178 Resp: 286107

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.6	12.8	19.2



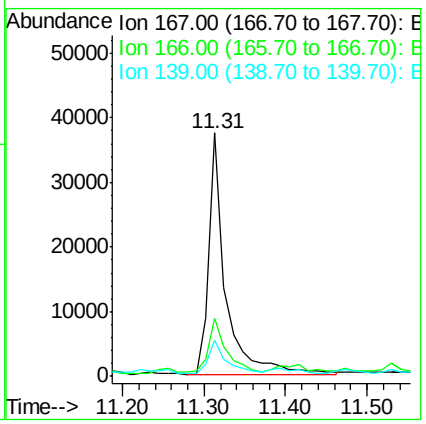


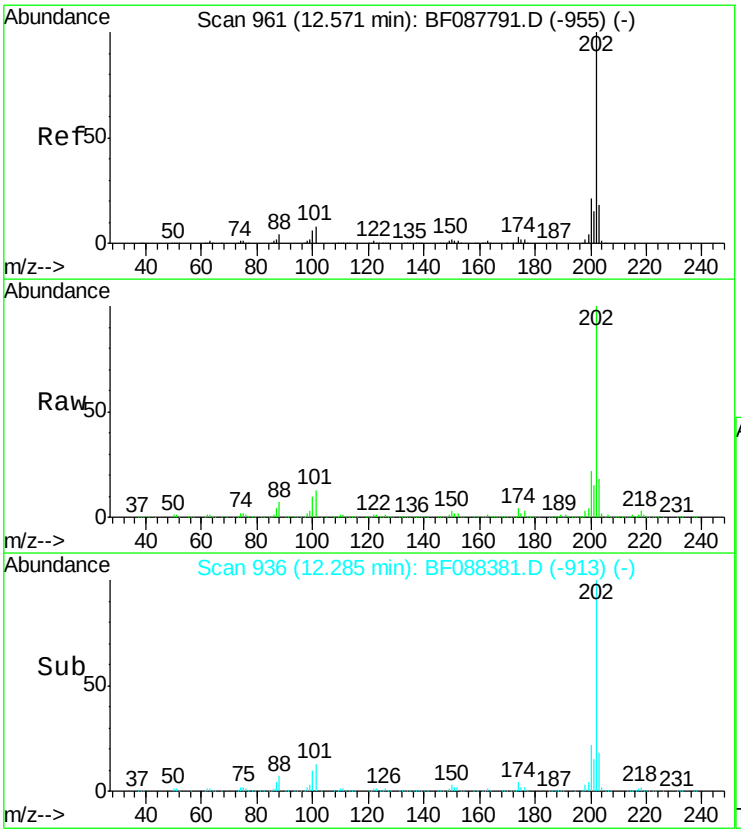
#72
Carbazole
Concen: 4.79 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:167 Resp: 54089

Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.8	26.6
139	14.8	11.2	16.8

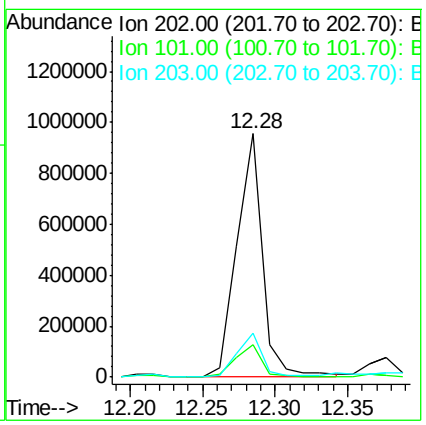


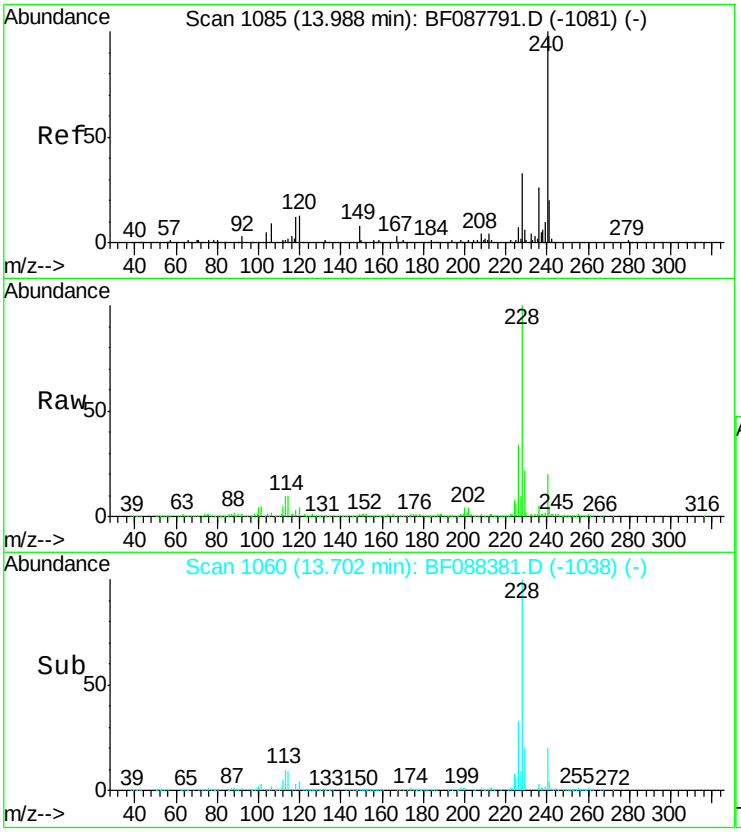


#74
Fluoranthene
Concen: 92.24 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:202 Resp: 1165598

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.1
203	18.1	0.0	38.1



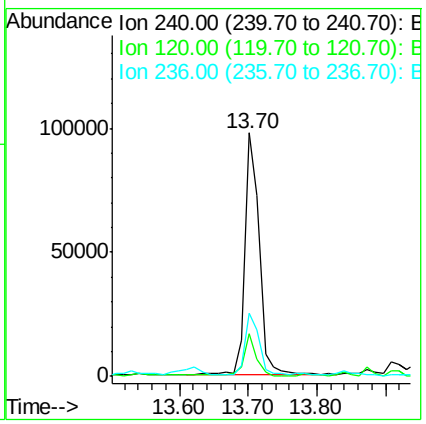


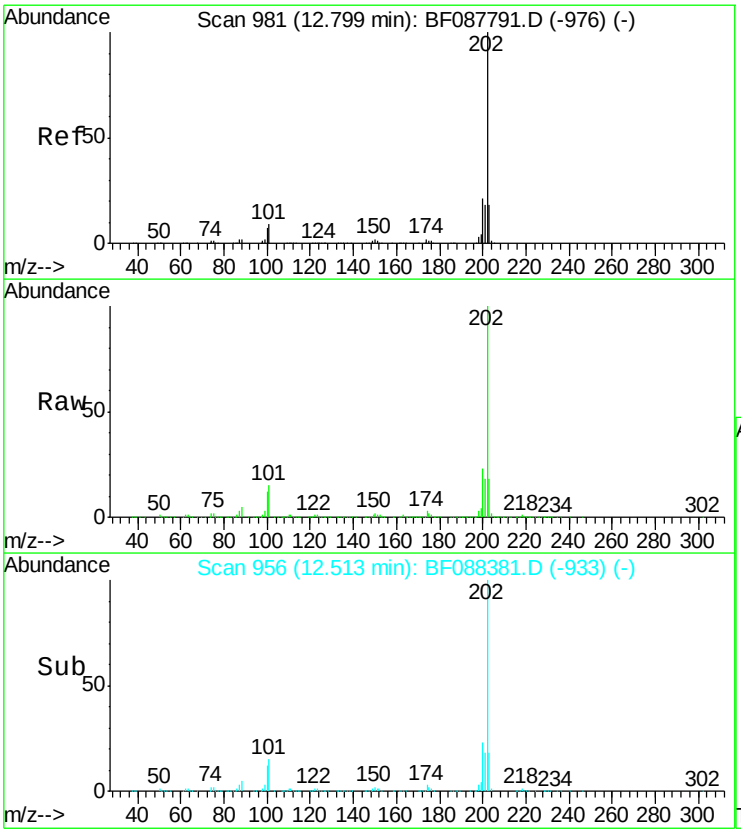
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:240 Resp: 141897

Ion	Ratio	Lower	Upper
240	100		
120	17.7	6.8	10.2#
236	25.7	20.2	30.2

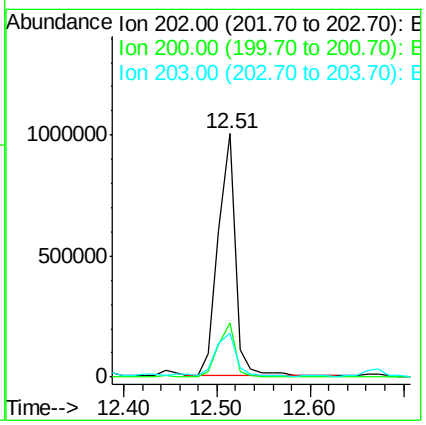


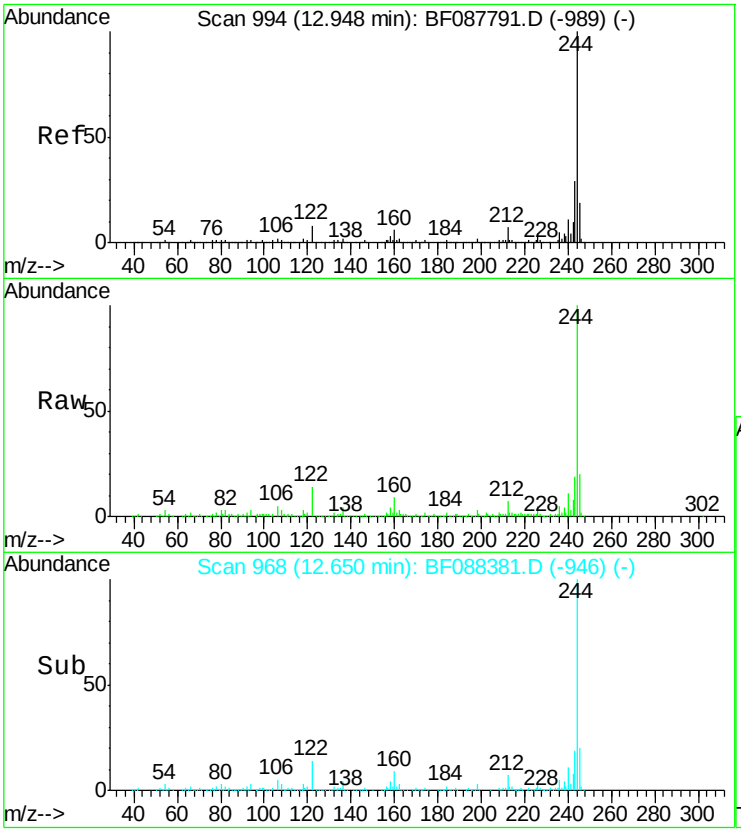


#77
Pyrene
Concen: 122.02 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:202 Resp: 1284799

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	18.2	14.5	21.7



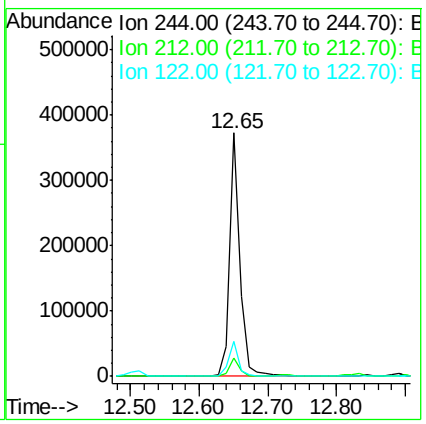


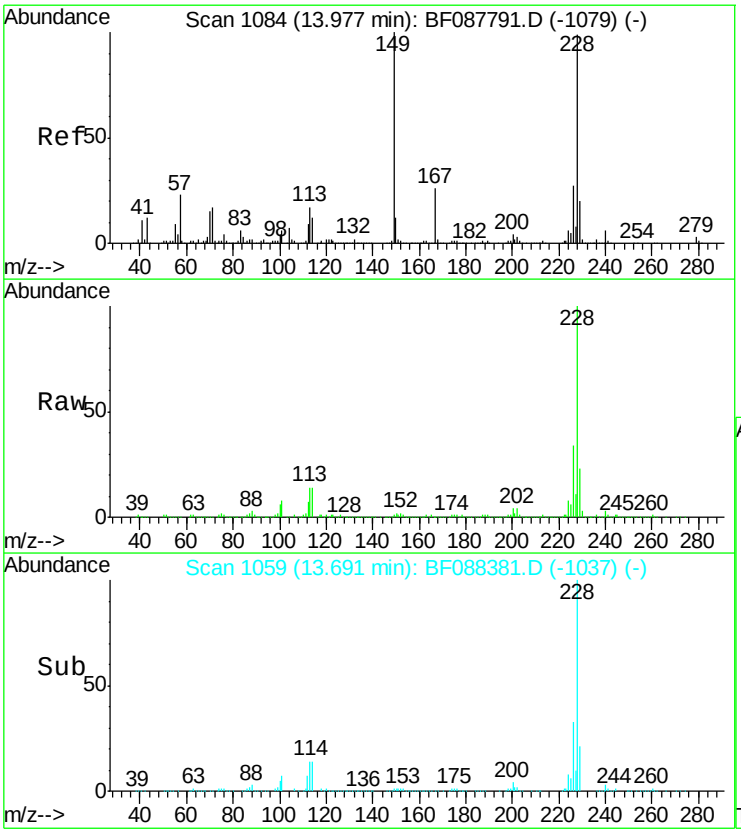
#78
Terphenyl-d14
Concen: 63.52 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:244 Resp: 396104

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.4	11.2	16.8

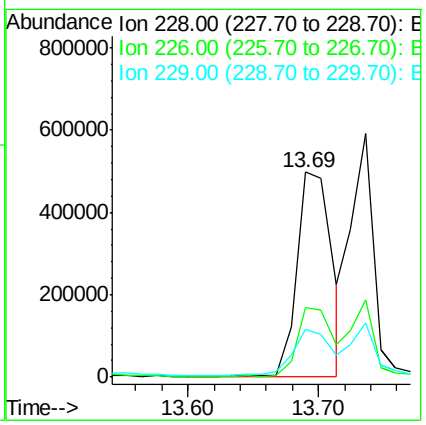


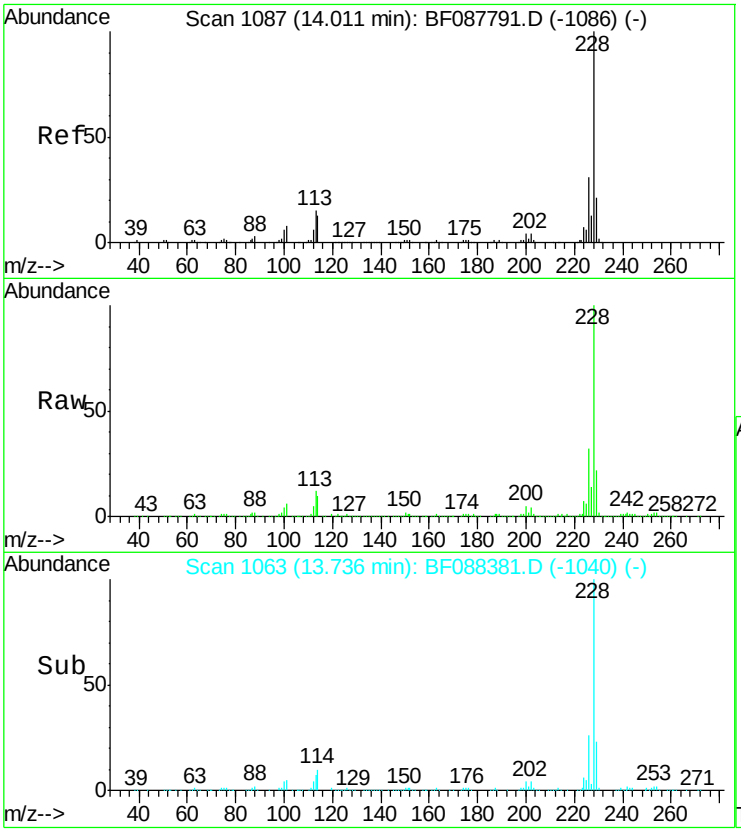


#80
Benzo(a)anthracene
Concen: 113.04 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:228 Resp: 914086

Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.3	33.5#
229	23.2	16.0	24.0



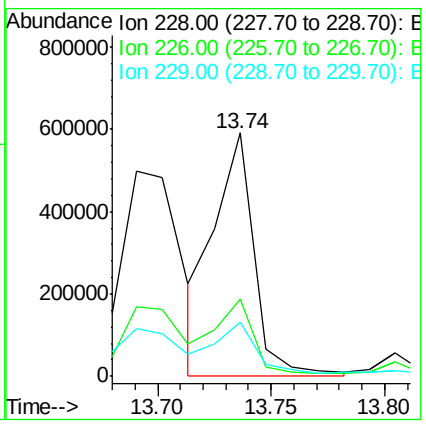


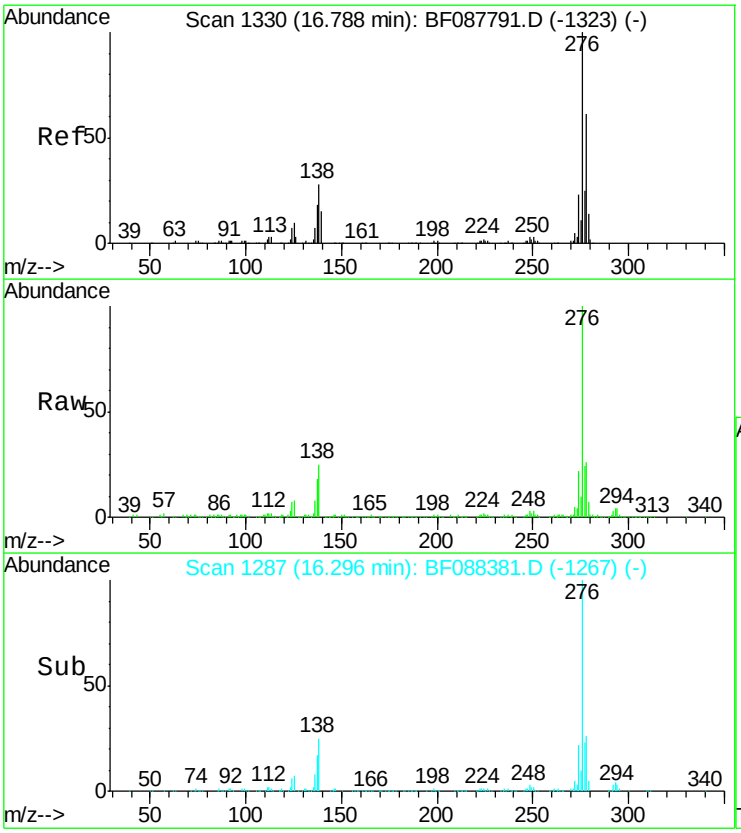
#82
Chrysene
Concen: 95.85 ng m
RT: 13.74 min Scan# 1063
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:228 Resp: 729165

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.2
229	22.5	16.3	24.5

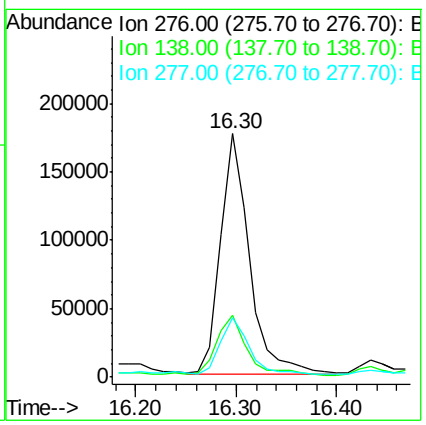


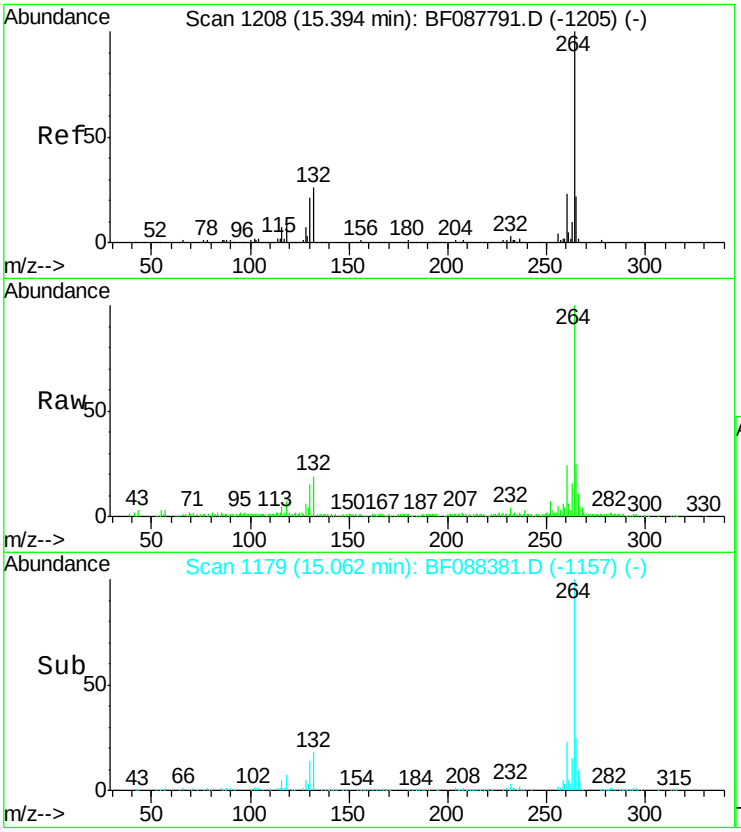


#85
Indeno(1,2,3-cd)pyrene
Concen: 49.66 ng
RT: 16.30 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:276 Resp: 350962

Ion	Ratio	Lower	Upper
276	100		
138	26.2	0.0	0.0#
277	23.1	0.0	0.0#



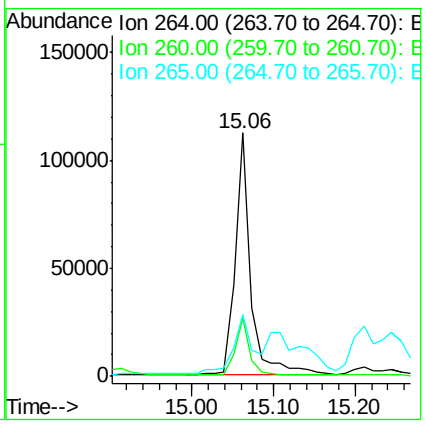


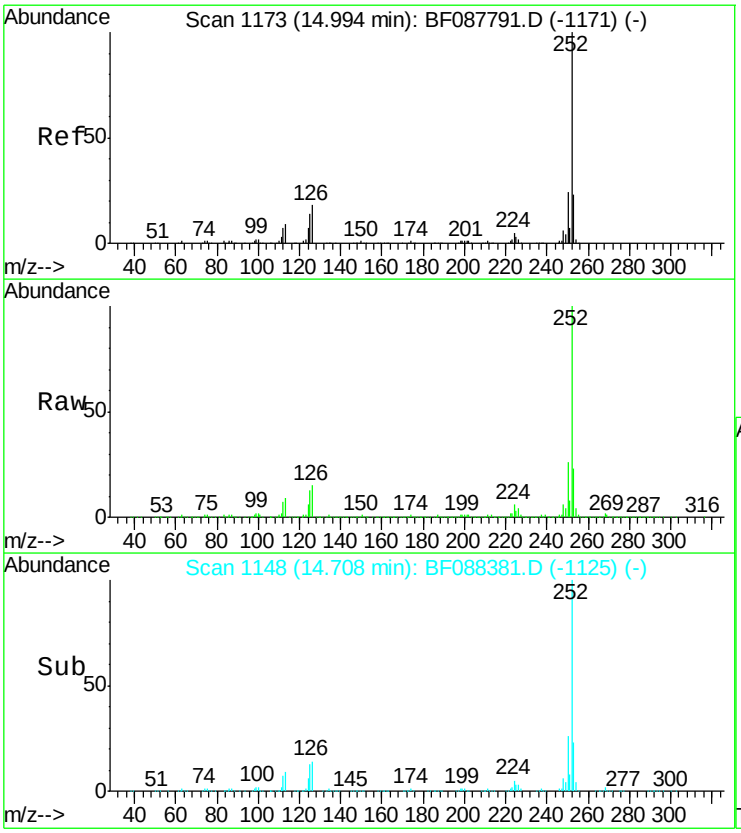
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:264 Resp: 149410

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	25.3	16.9	25.3#

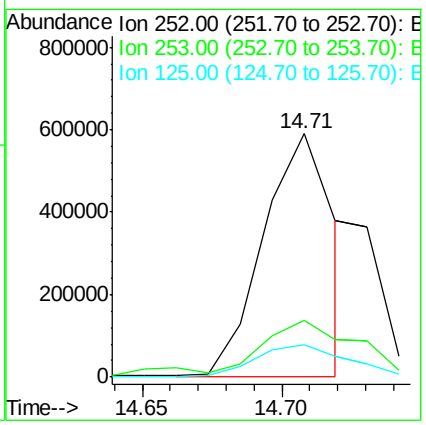


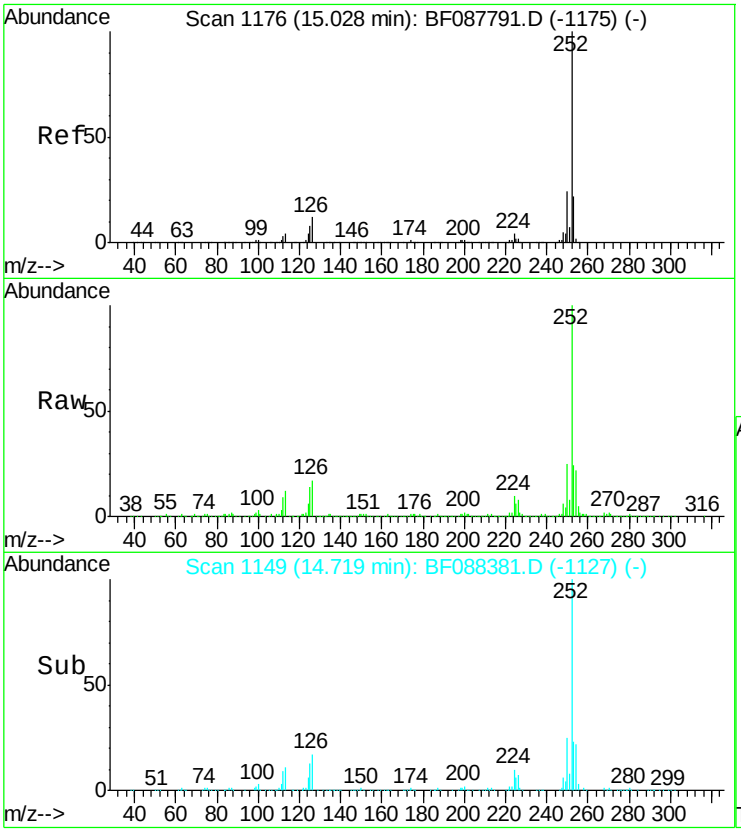


#87
Benzo(b)fluoranthene
Concen: 101.03 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:252 Resp: 1052062

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	13.1	7.1	10.7#



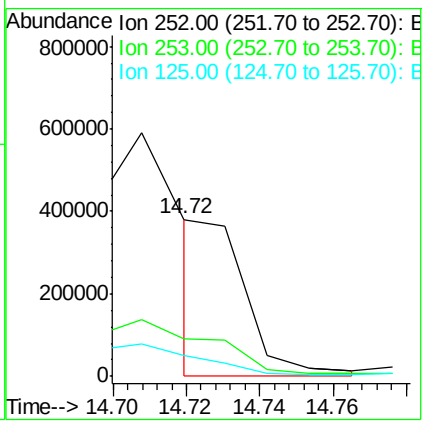


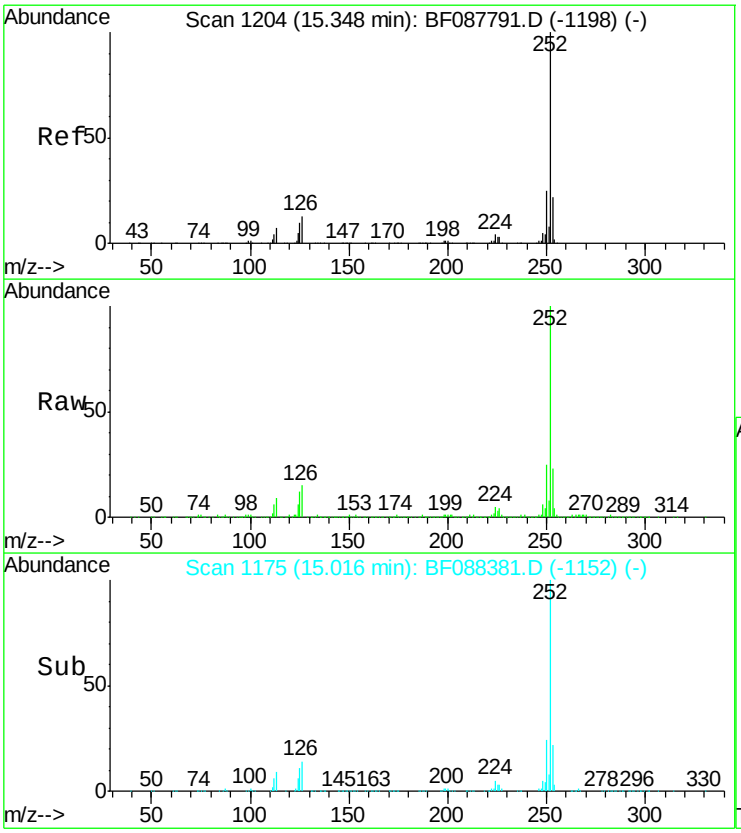
#88
Benzo(k)fluoranthene
Concen: 39.00 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

Tgt Ion:252 Resp: 306344

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.6	11.2	16.8

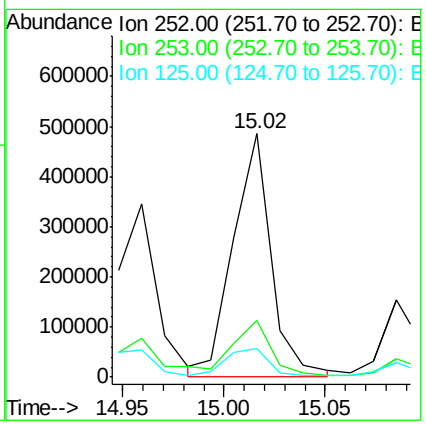


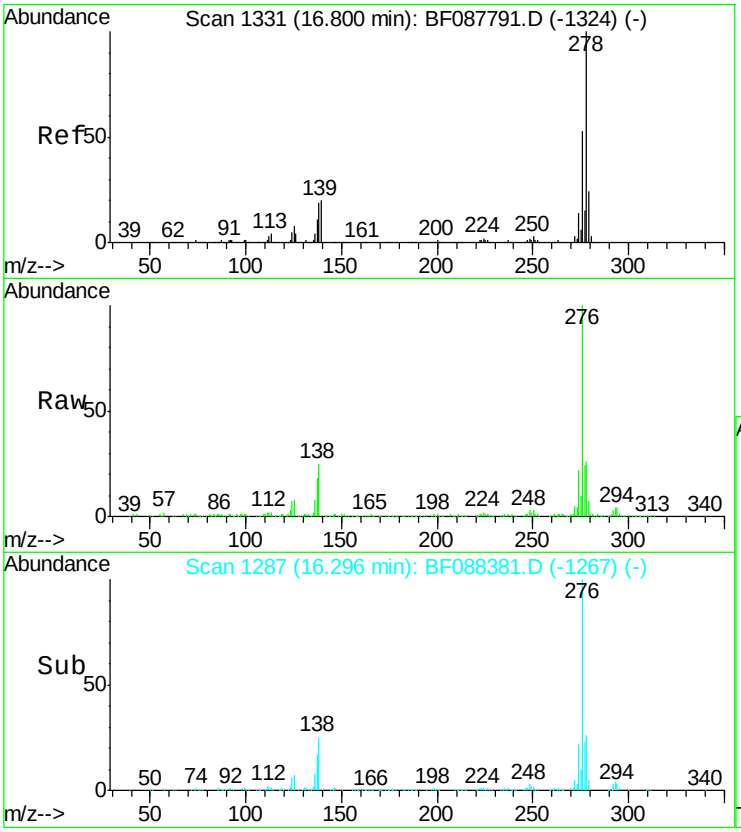


#89
Benzo(a)pyrene
Concen: 75.84 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.03 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:252 Resp: 638990

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	11.6	12.5	18.7#



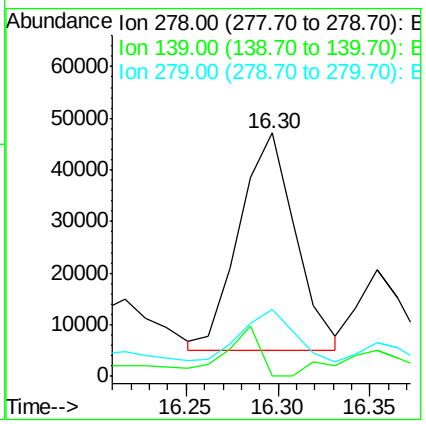


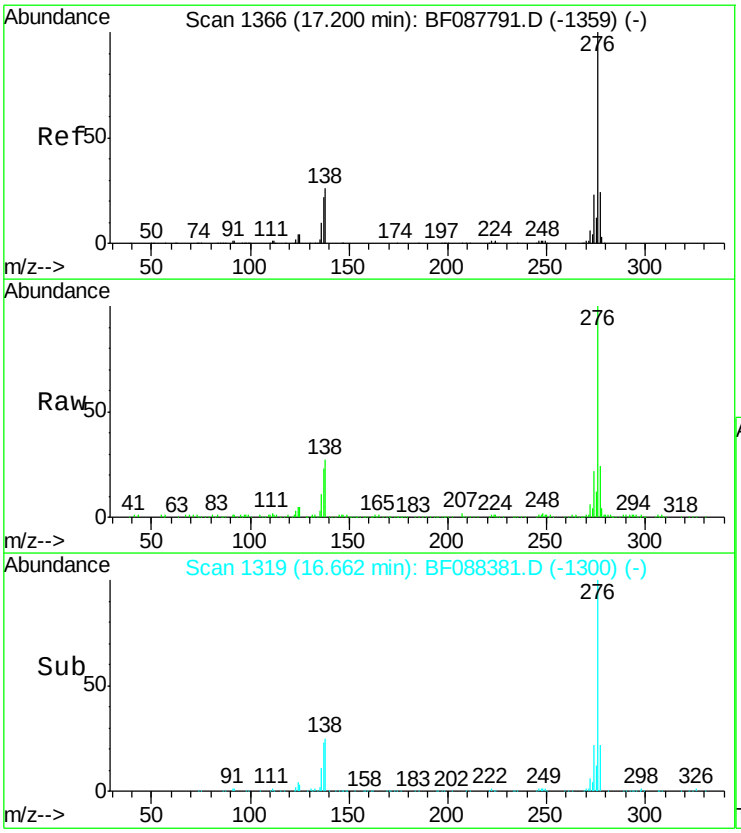
#90
Dibenzo(a,h)anthracene
Concen: 11.45 ng m
RT: 16.30 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

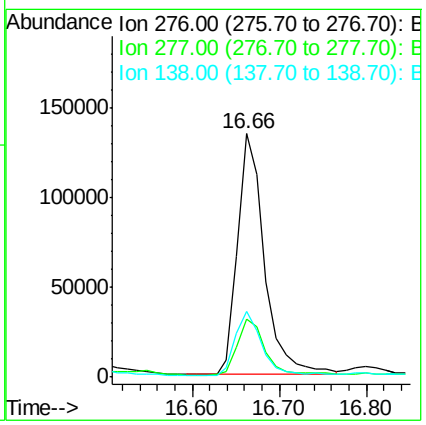
Tgt Ion:278 Resp: 89589

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	27.7	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 35.55 ng
RT: 16.66 min Scan# 1319
Delta R.T. -0.08 min
Lab File: BF088381.D
Acq: 25 Jun 2016 17:14

Tgt Ion:276 Resp: 286173

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	27.0	21.4	32.2