Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088347.D
Acq On : 24 Jun 2016 22:46
Operator : UM/SJ
Sample : H3598-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1422(0-4)

Quant Time: Jun 25 03:42:03 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	6.74	152	124631	20.00	ng		0.14
21) Naphthalene-d8	7.87	136	306509	20.00	ng		-0.02
38) Acenaphthene-d10	9.61	164	133919	20.00	ng		-0.03
63) Phenanthrene-d10	11.10	188	216962	20.00	ng		-0.02
75) Chrysene-d12	13.73	240	177475	20.00	ng		-0.02
86) Perylene-d12	15.07	264	152113	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.16	112	311913	42.78	ng		-0.01
7) Phenol-d6	6.25	99	387713	43.88	ng		-0.01
23) Nitrobenzene-d5	7.15	82	228829	43.60	ng		-0.02
41) 2,4,6-Tribromophenol	10.41	330	65431	46.27	ng		-0.02
44) 2-Fluorobiphenyl	8.95	172	315809	33.70	ng		-0.02
78) Terphenyl-d14	12.67	244	149061	19.11	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.35	94	501	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.15	70	27861	4.93	ng	#	72
25) Isophorone	7.15	82	223521	22.99	ng	#	65
45) 1,1'-Biphenyl	9.05	154	1853	Below Cal			89
48) Acenaphthylene	9.47	152	37908	2.75	ng		99
49) Dimethylphthalate	9.35	163	66153	6.82	ng		99
55) 4-Nitrophenol	9.83	139	5006	2.52	ng	#	5
56) 2,4-Dinitrotoluene	9.61	165	18028	6.31	ng	#	37
57) Fluorene	10.16	166	22930	Below Cal			98
70) Phenanthrene	11.12	178	245385	21.55	ng		98
71) Anthracene	11.16	178	70474	6.14	ng		97
72) Carbazole	11.34	167	26974	2.51	ng		98
74) Fluoranthene	12.30	202	397992	33.13	ng		99
77) Pyrene	12.53	202	372921	28.32	ng		99
80) Benzo(a)anthracene	13.71	228	187725	18.56	ng	#	92
82) Chrysene	13.71	228	187725	19.73	ng		97
85) Indeno(1,2,3-cd)pyrene	16.33	276	52849	5.98	ng	#	100
87) Benzo(b)fluoranthene	14.72	252	252880	23.85	ng	#	96
88) Benzo(k)fluoranthene	14.72	252	252880	31.62	ng		98
89) Benzo(a)pyrene	14.97	252	78882	9.20	ng		99
91) Benzo(g,h,i)perylene	16.70	276	43687	5.33	ng		94

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

Quantitation Report (Not Reviewed)

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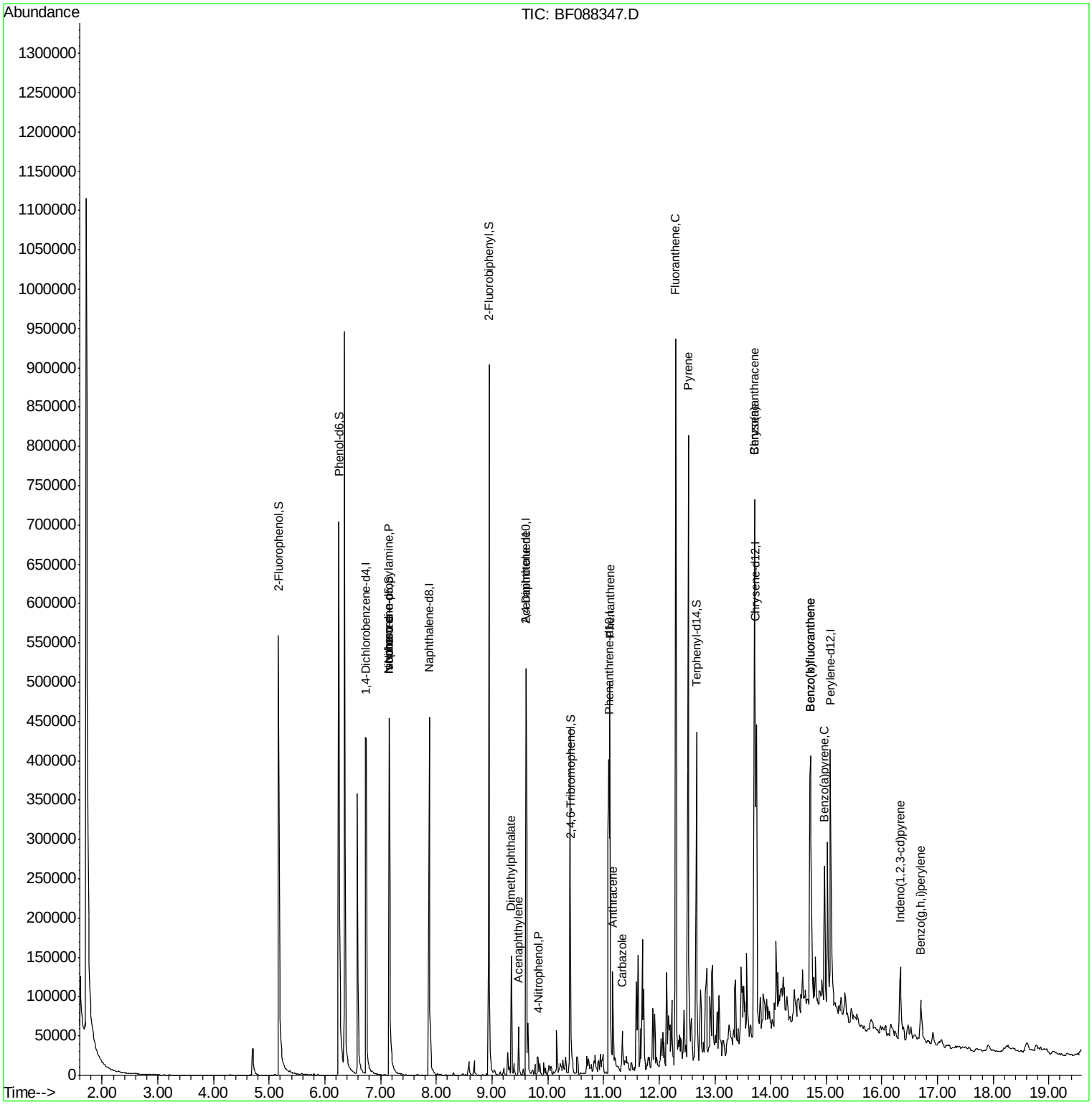
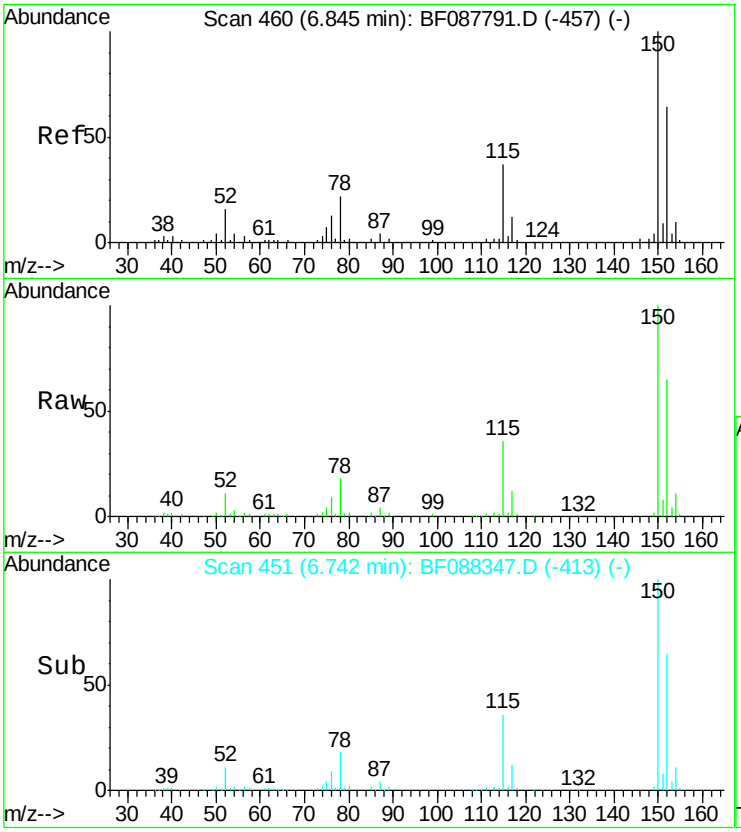


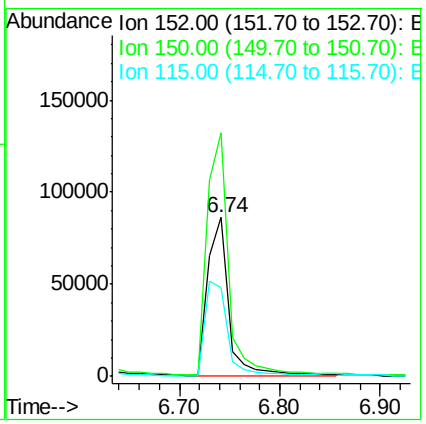


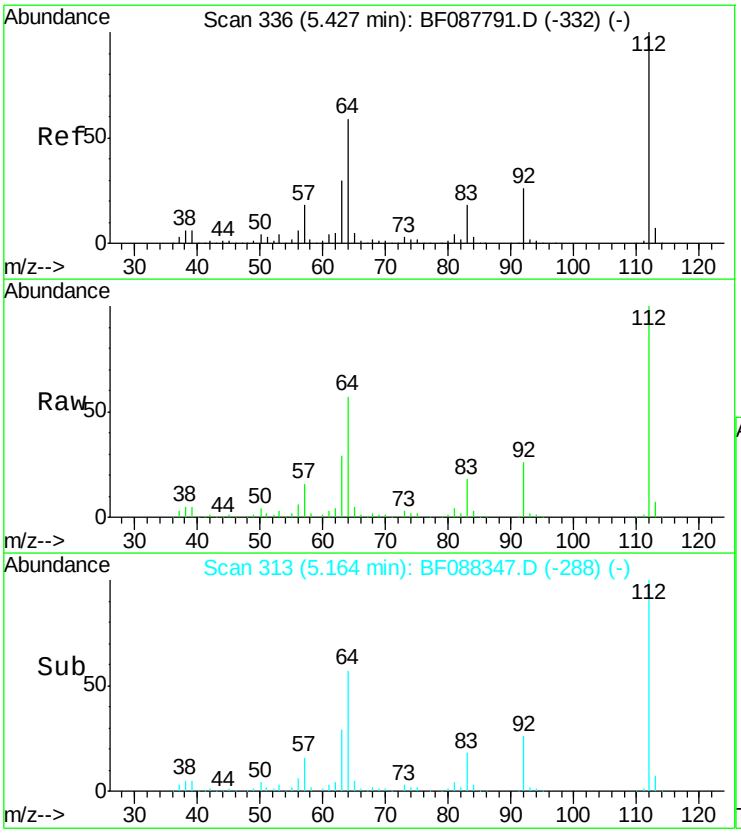
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 451
Delta R.T. 0.14 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:152 Resp: 124631

Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.8	185.6
115	55.6	39.6	59.4

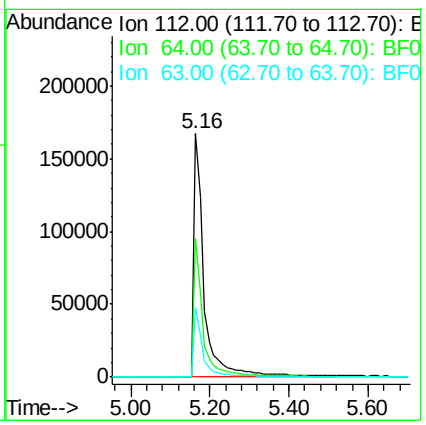


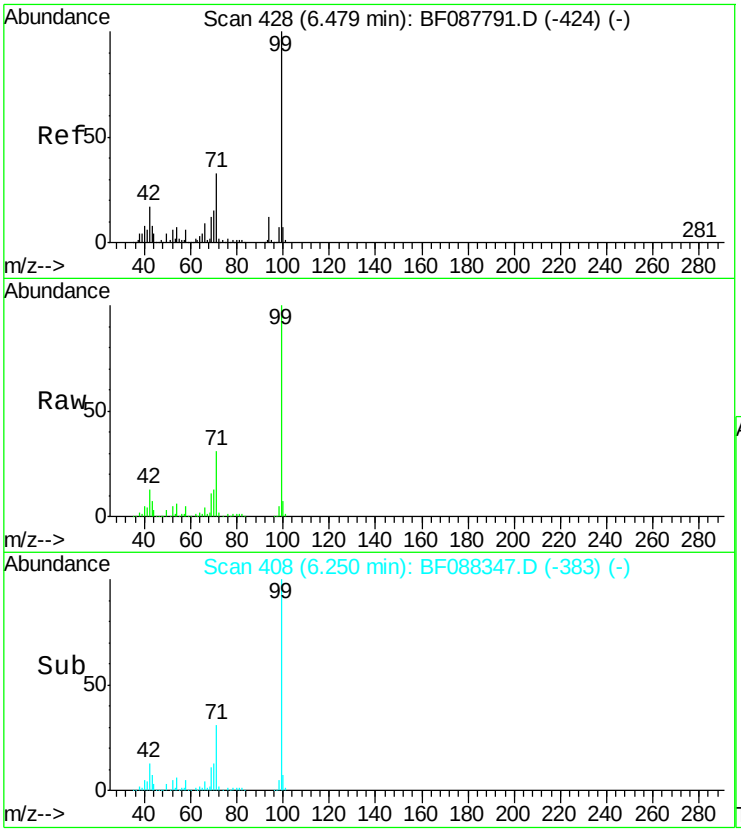


#5
2-Fluorophenol
Concen: 42.78 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.01 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:112 Resp: 311913

Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.2	63.2
63	28.8	21.8	32.8



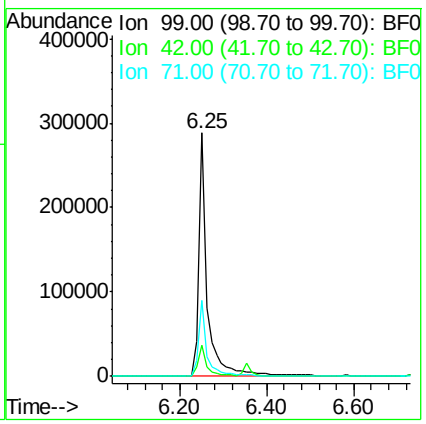


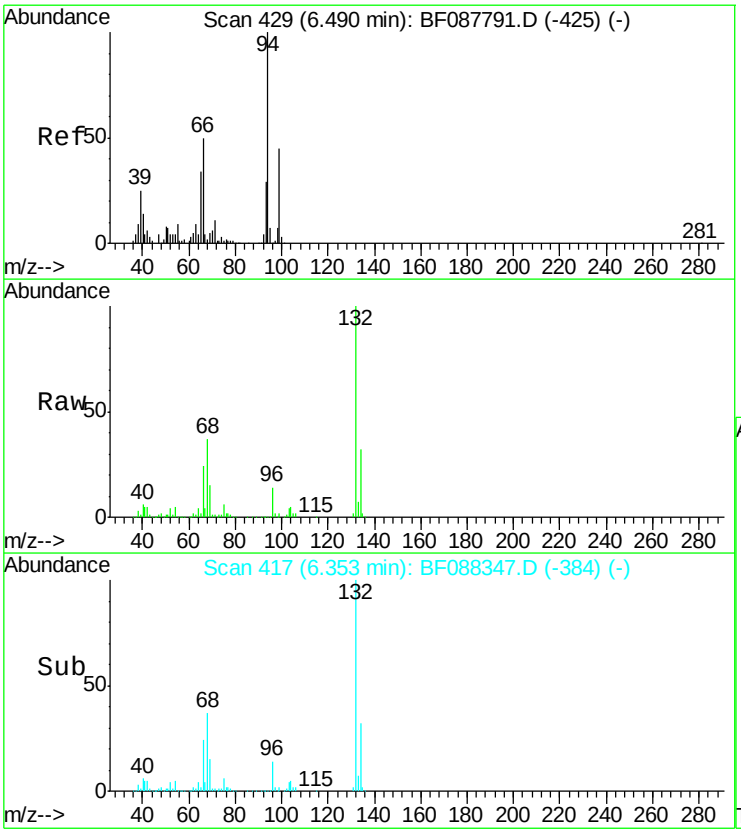
#7
Phenol-d6
Concen: 43.88 ng
RT: 6.25 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion: 99 Resp: 387713

Ion	Ratio	Lower	Upper
99	100		
42	12.9	12.2	18.2
71	31.1	23.4	35.0

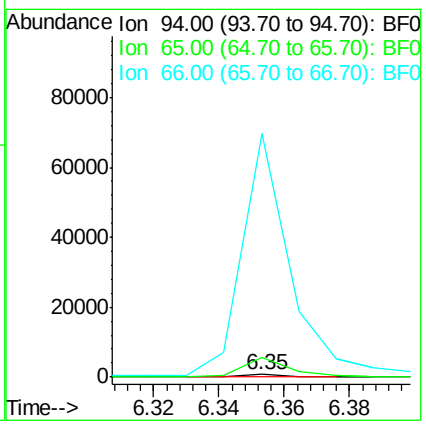


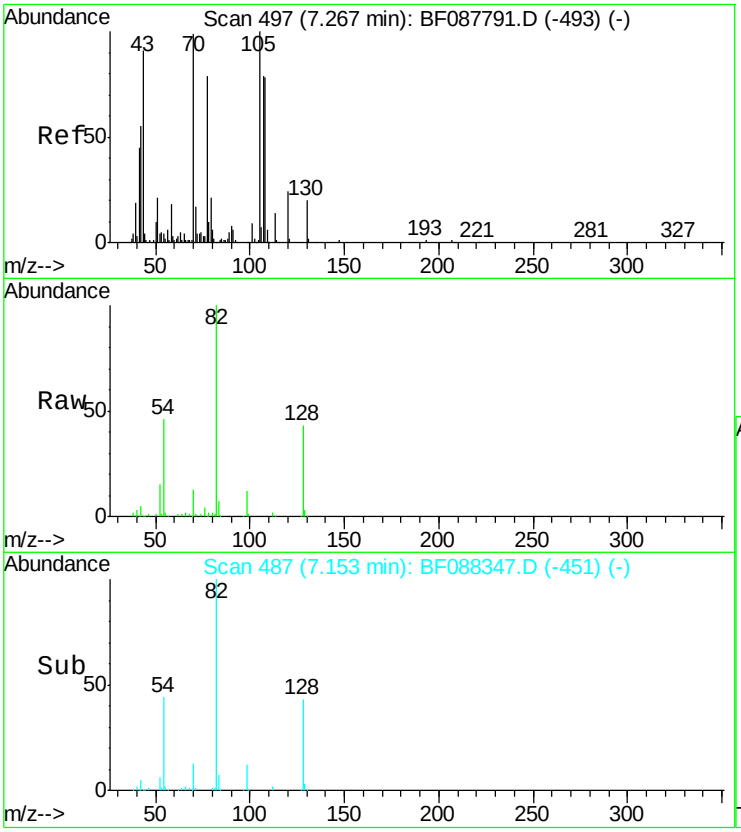


#10
Phenol
Concen: Below Cal
RT: 6.35 min Scan# 417
Delta R.T. 0.08 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion: 94 Resp: 501

Ion	Ratio	Lower	Upper
94	100		
65	758.9	5.9	45.9#
66	9547.4	14.0	54.0#



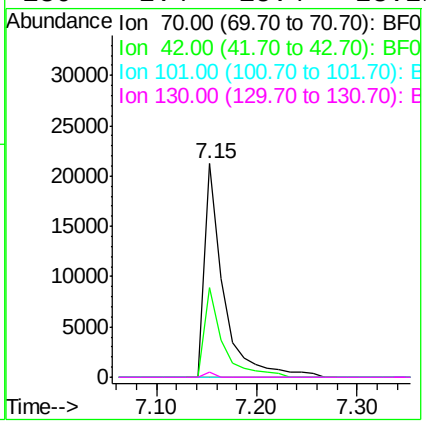


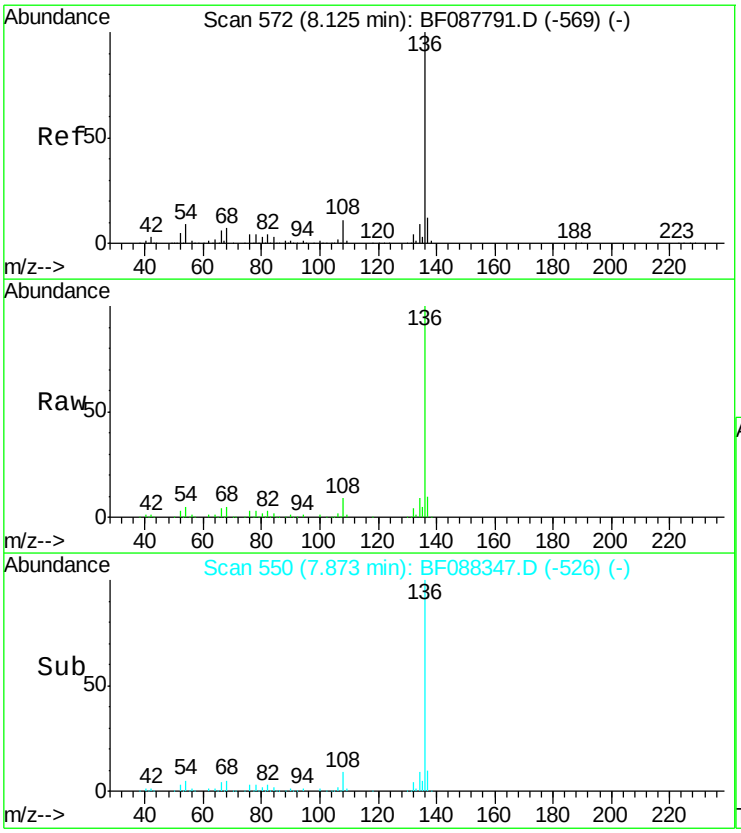
#19
n-Nitroso-di-n-propylamine
Concen: 4.93 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion: 70 Resp: 27861

Ion	Ratio	Lower	Upper
70	100		
42	41.9	49.6	74.4#
101	0.0	7.1	10.7#
130	2.4	15.4	23.2#

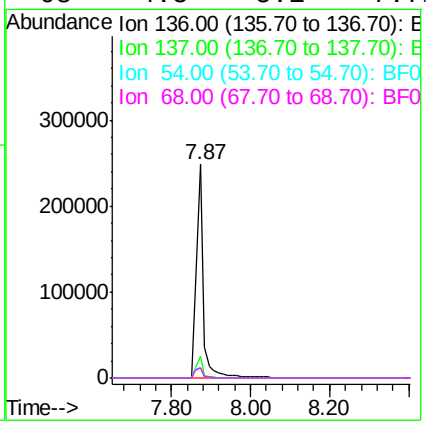


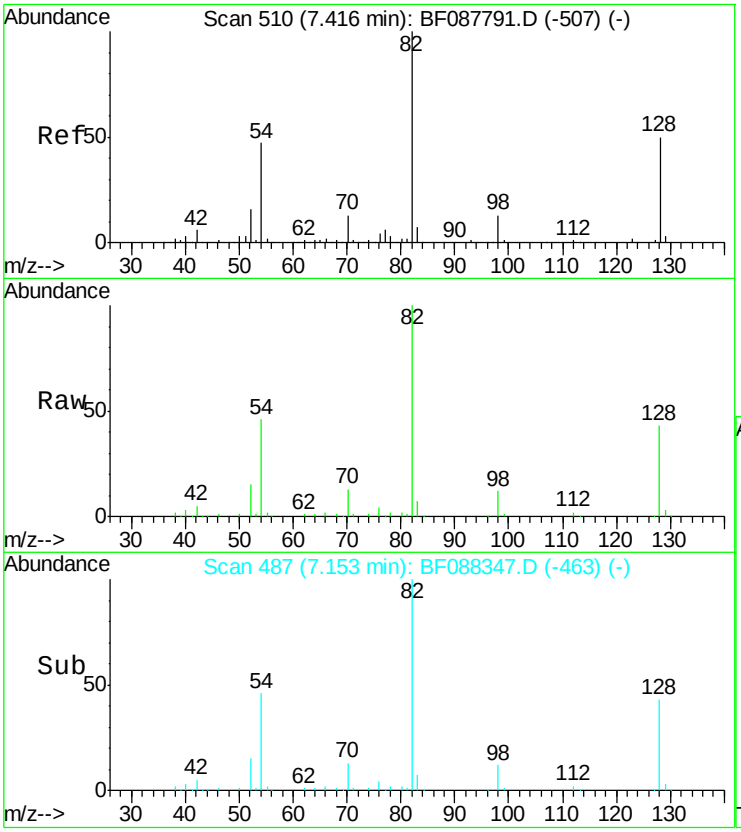


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:136 Resp: 306509

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.1	6.6	10.0#
68	4.5	5.1	7.7#



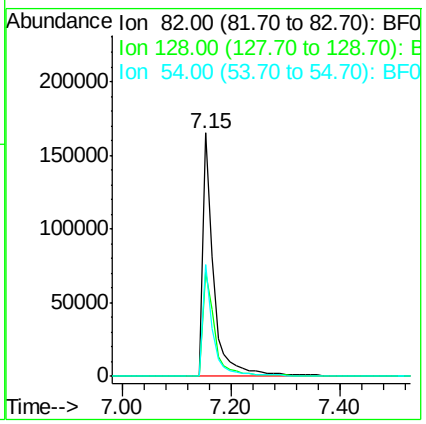


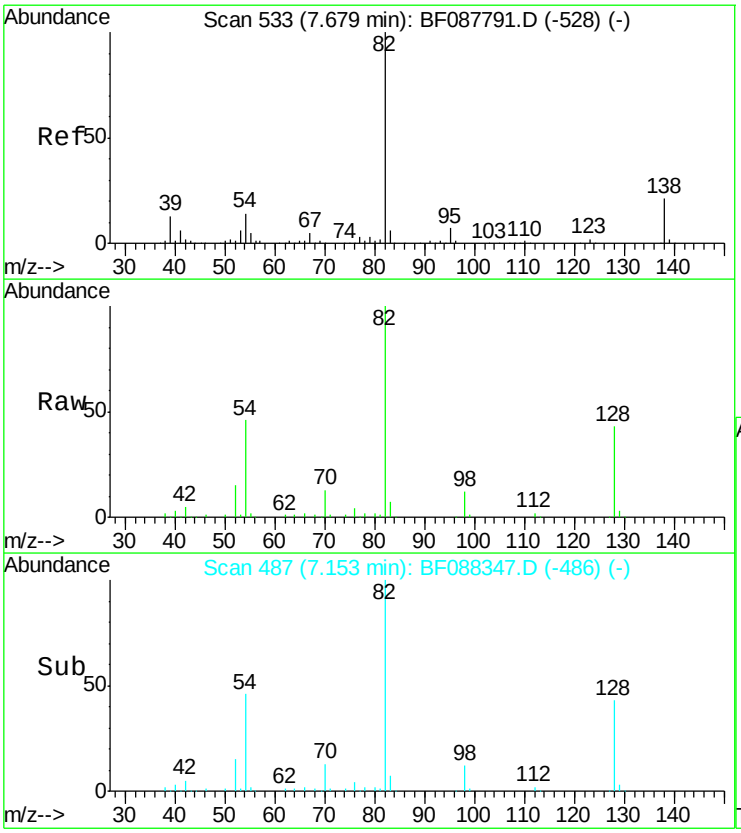
#23
Nitrobenzene-d5
Concen: 43.60 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion: 82 Resp: 228829

Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.9	53.9
54	45.8	40.9	61.3

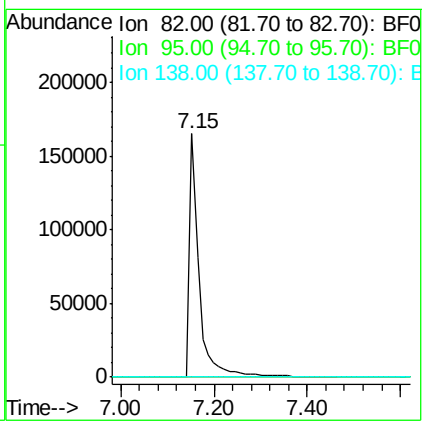


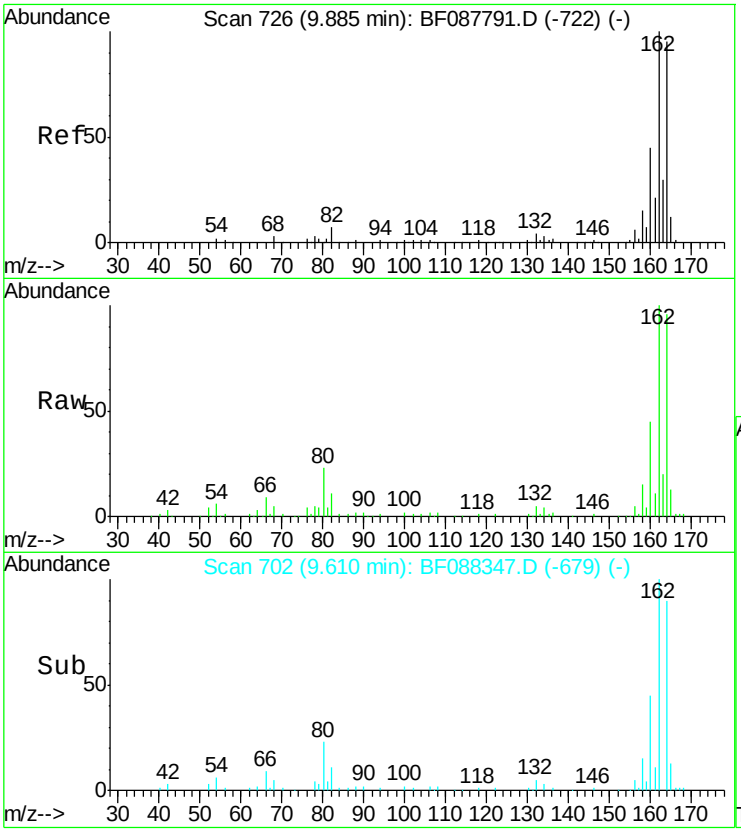


#25
Isophorone
Concen: 22.99 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.29 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion: 82 Resp: 223521

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



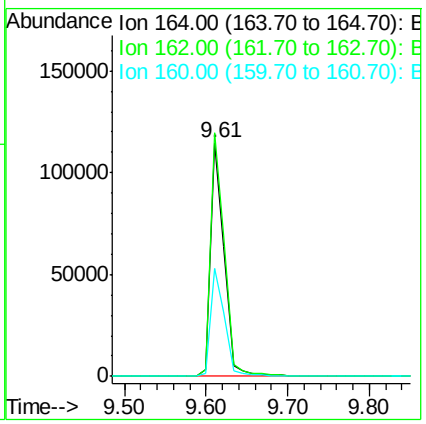


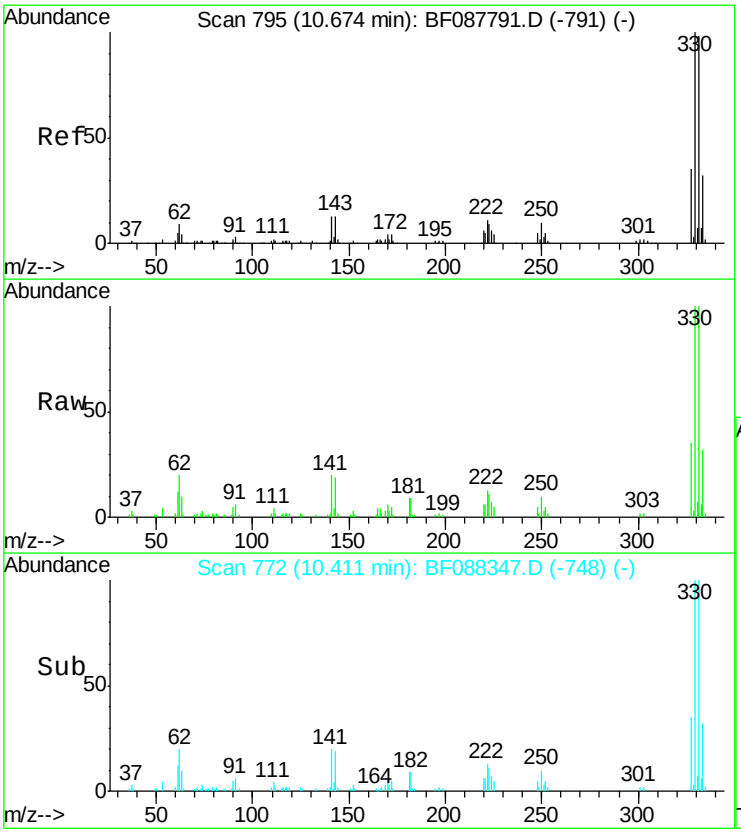
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:164 Resp: 133919

Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.4	128.2
160	46.4	39.5	59.3

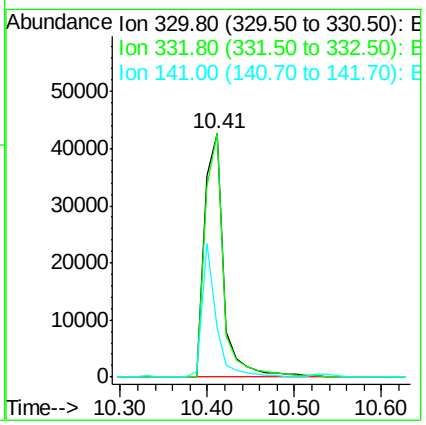


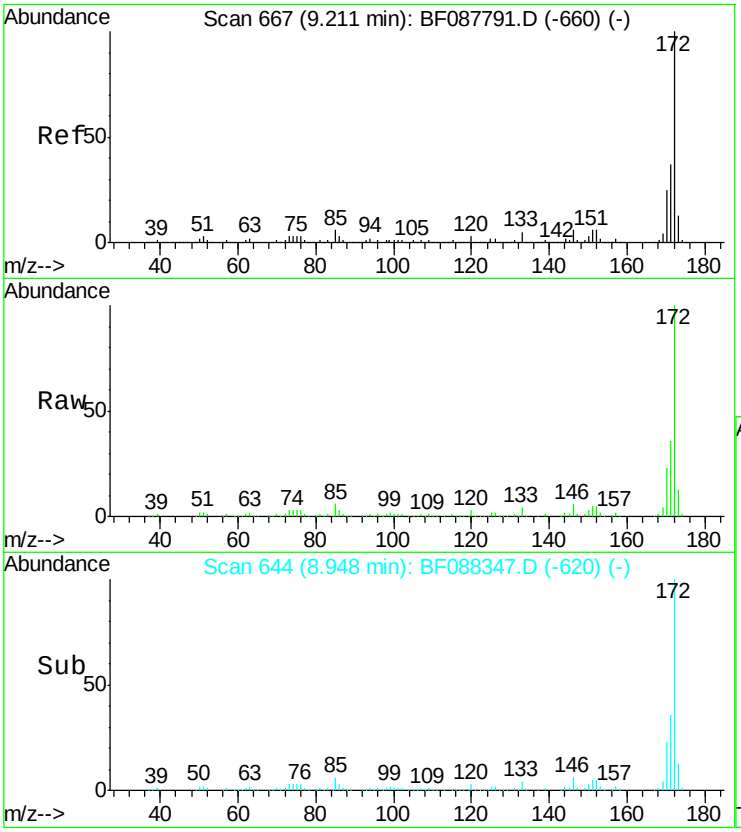


#41
2,4,6-Tribromophenol
Concen: 46.27 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:330 Resp: 65431

Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	40.3	0.0	0.0#



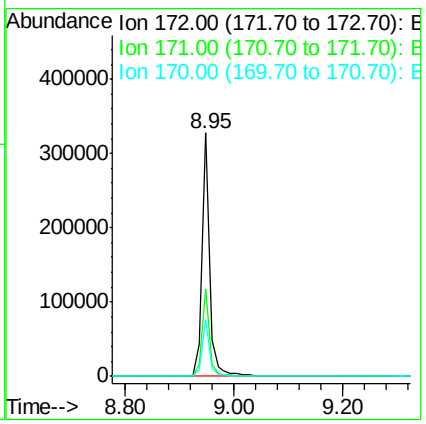


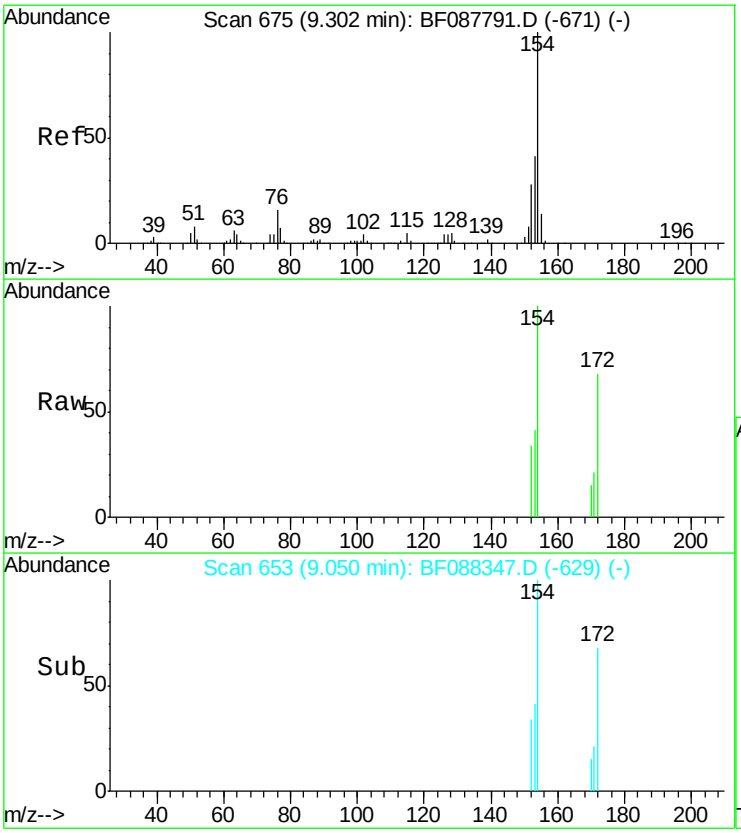
#44
2-Fluorobiphenyl
Concen: 33.70 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:172 Resp: 315809

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.4	19.2	28.8

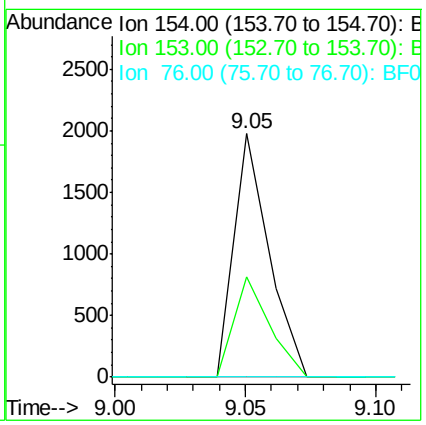


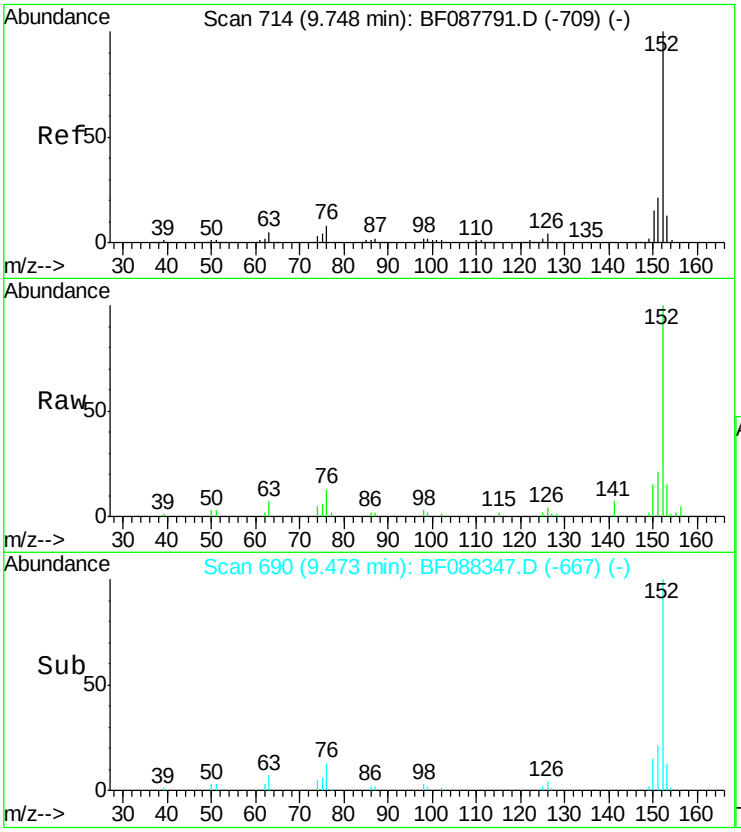


#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:154 Resp: 1853

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.6	60.6
76	0.0	0.0	35.1



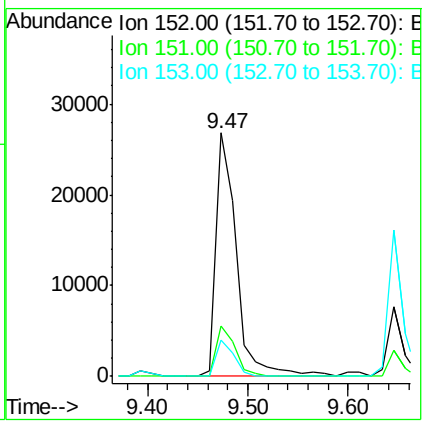


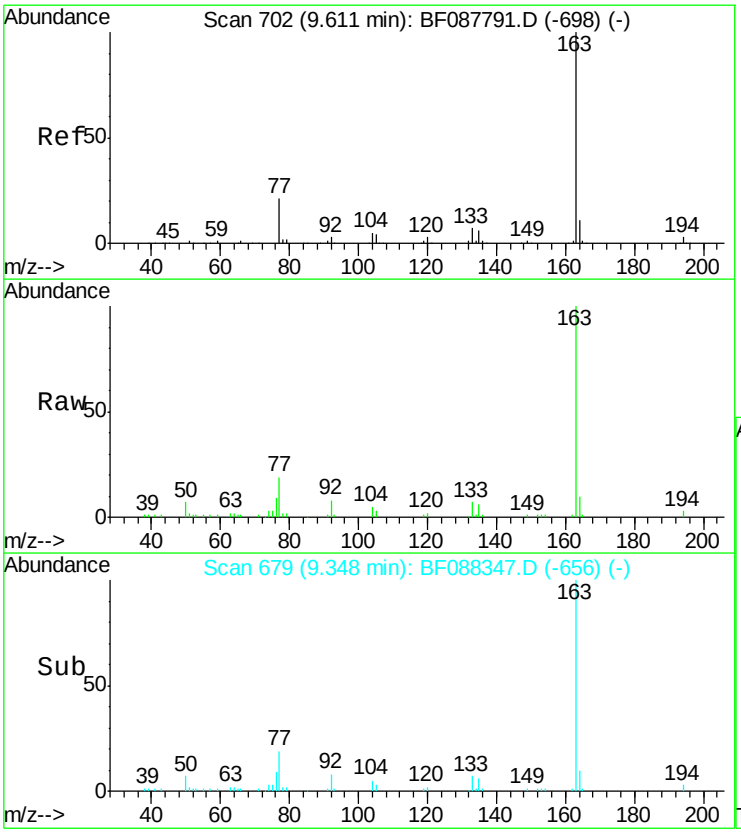
#48
Acenaphthylene
Concen: 2.75 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:152 Resp: 37908

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4
153	14.8	11.0	16.6

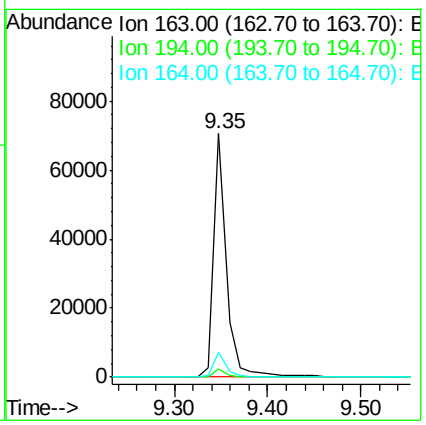


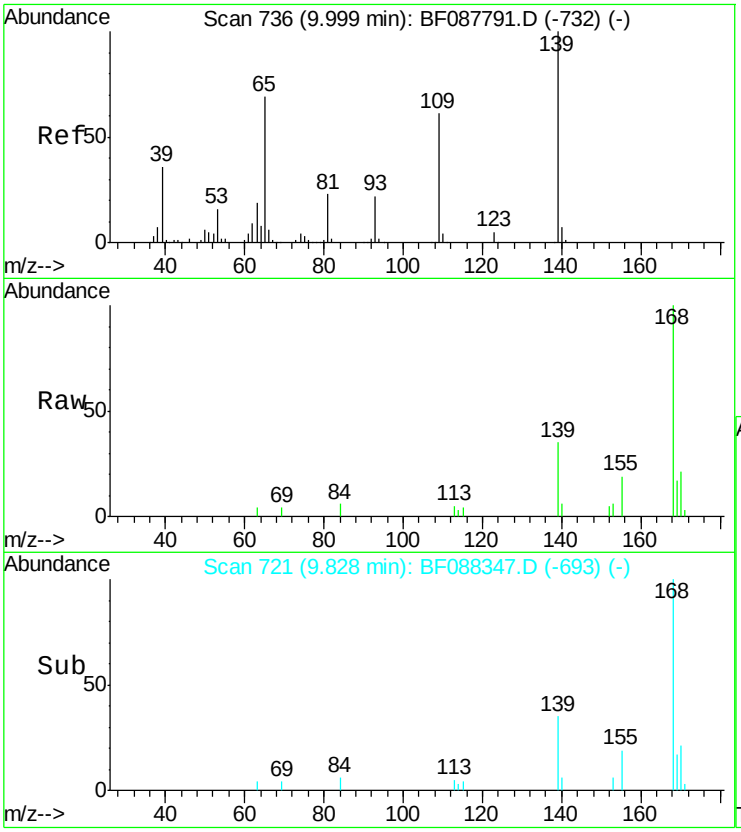


#49
Dimethylphthalate
Concen: 6.82 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:163 Resp: 66153

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.9	8.3	12.5



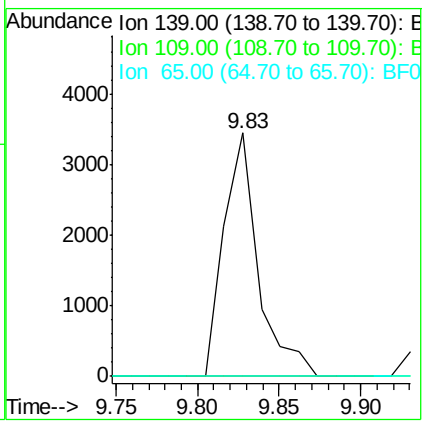


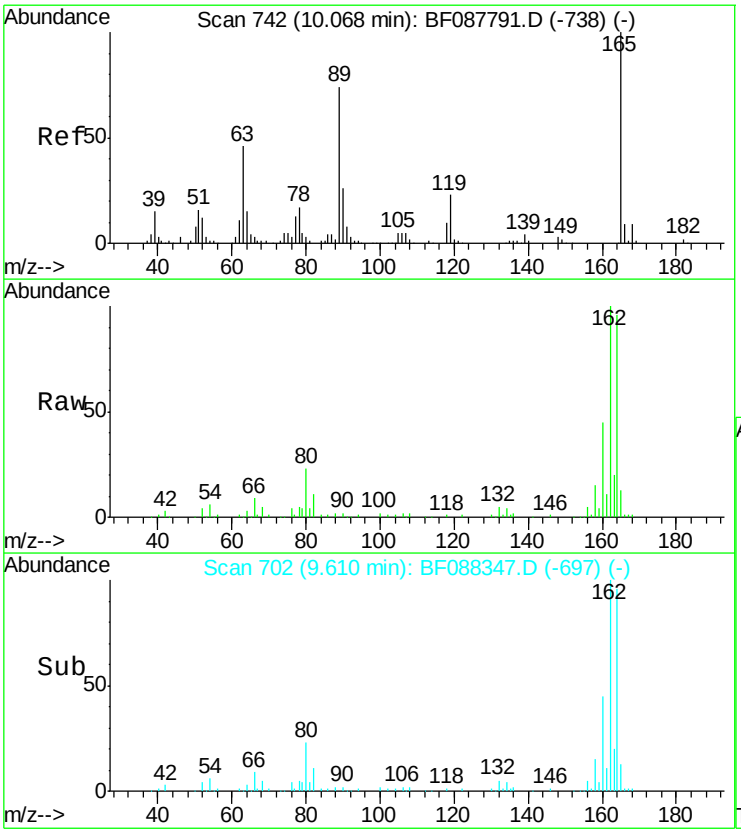
#55
4-Nitrophenol
Concen: 2.52 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:139 Resp: 5006

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.9	88.9#
65	0.0	84.9	124.9#

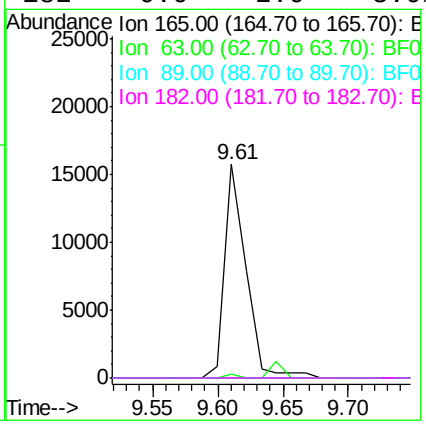


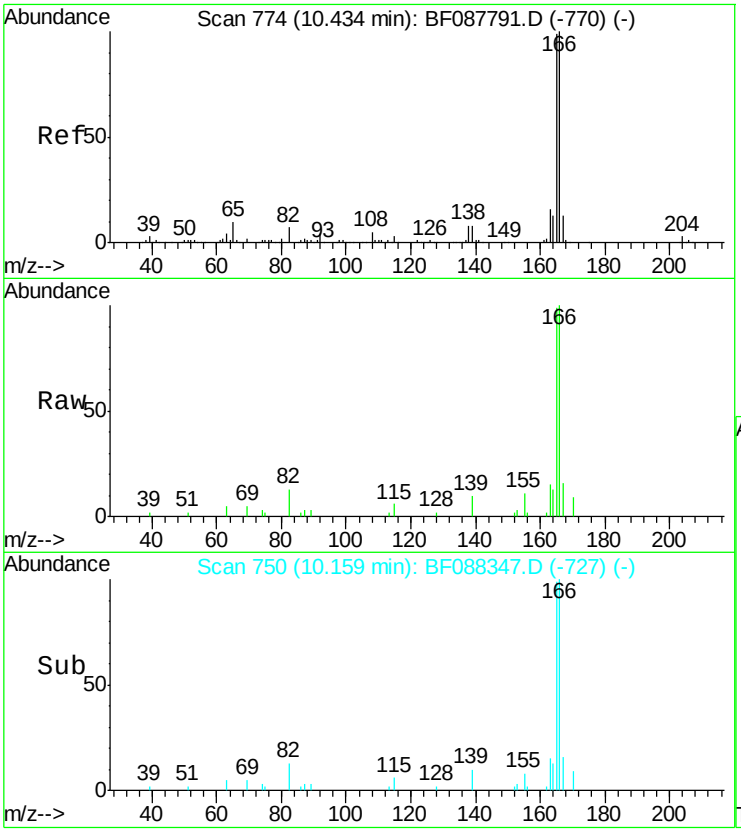


#56
2,4-Dinitrotoluene
Concen: 6.31 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.24 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:165 Resp: 18028

Ion	Ratio	Lower	Upper
165	100		
63	1.9	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



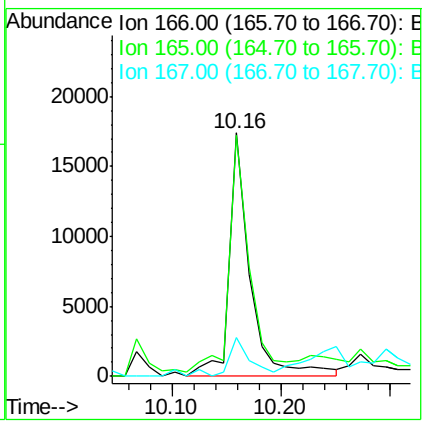


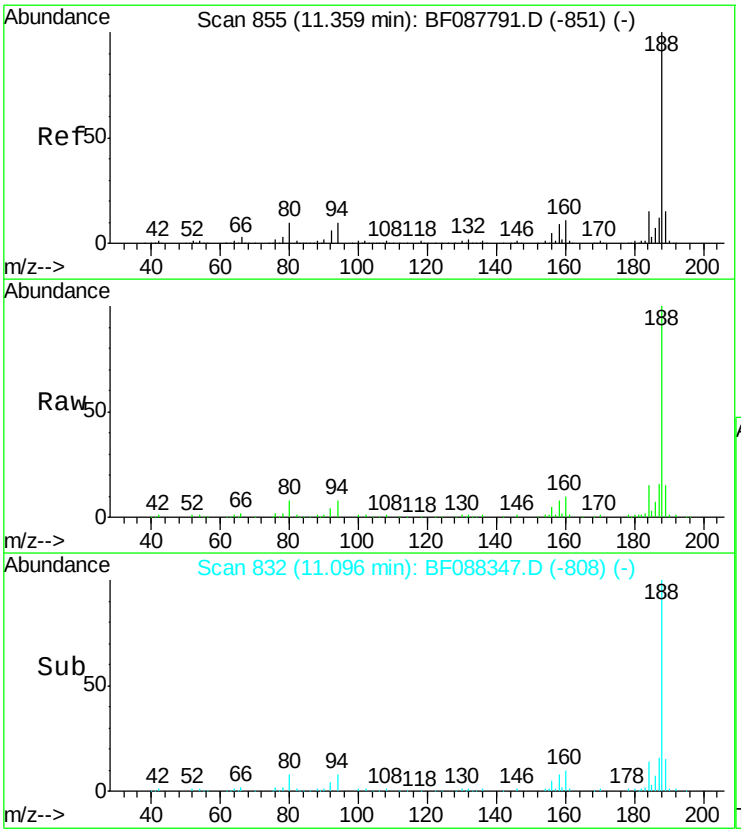
#57
Fluorene
Concen: Below Cal
RT: 10.16 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:166 Resp: 22930

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.8
167	16.0	11.2	16.8

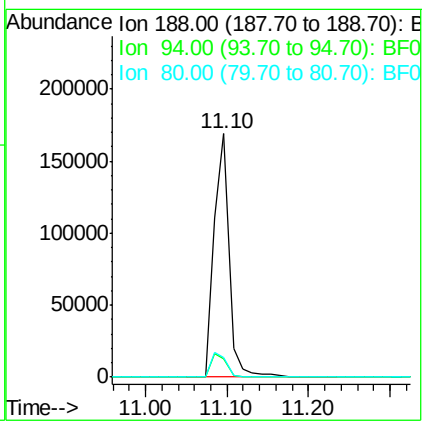


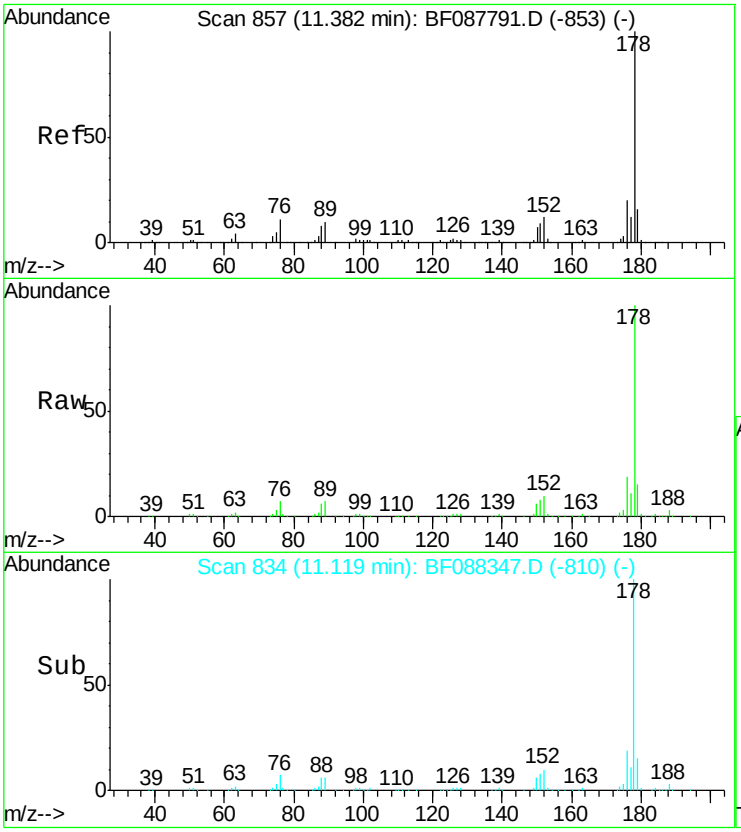


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:188 Resp: 216962

Ion	Ratio	Lower	Upper
188	100		
94	7.6	9.0	13.6#
80	8.0	10.0	15.0#



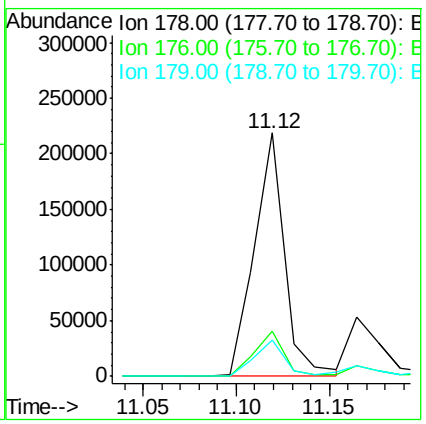


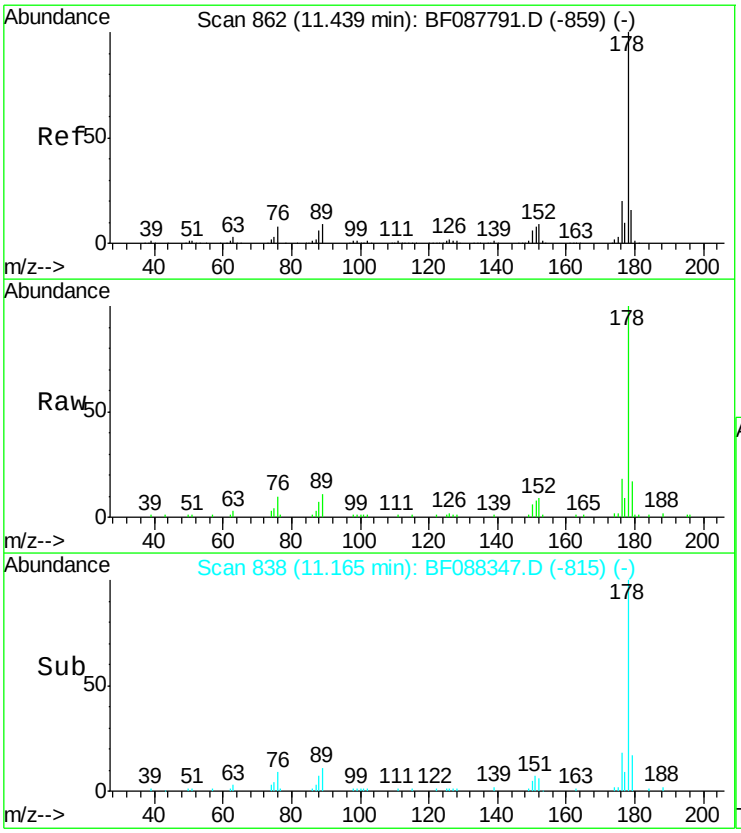
#70
Phenanthrene
Concen: 21.55 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:178 Resp: 245385

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.1	13.0	19.4

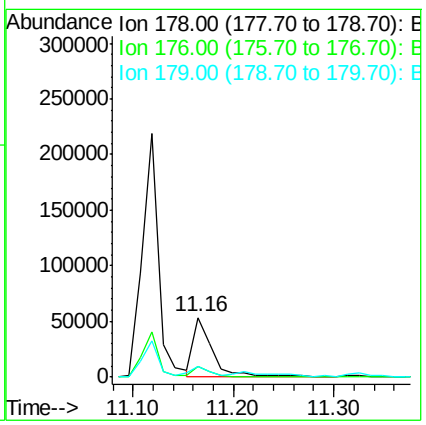


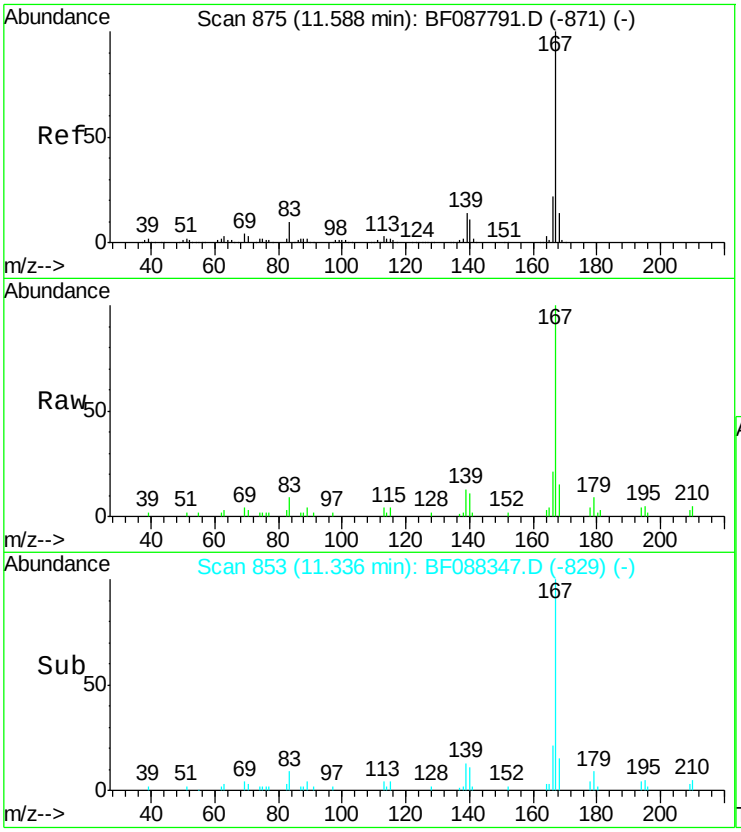


#71
Anthracene
Concen: 6.14 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:178 Resp: 70474

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	17.2	12.8	19.2



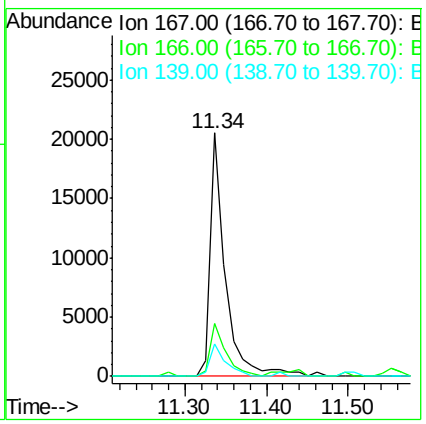


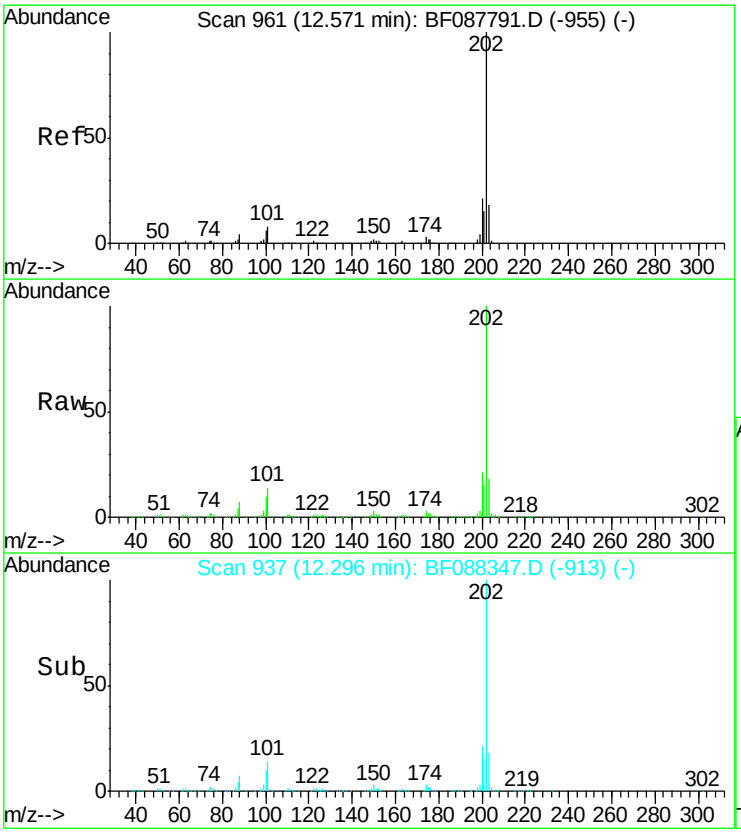
#72
Carbazole
Concen: 2.51 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:167 Resp: 26974

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	13.3	11.2	16.8

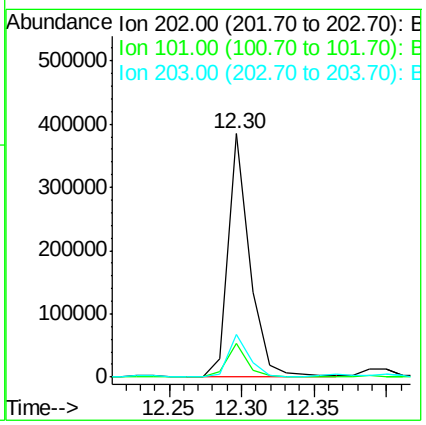


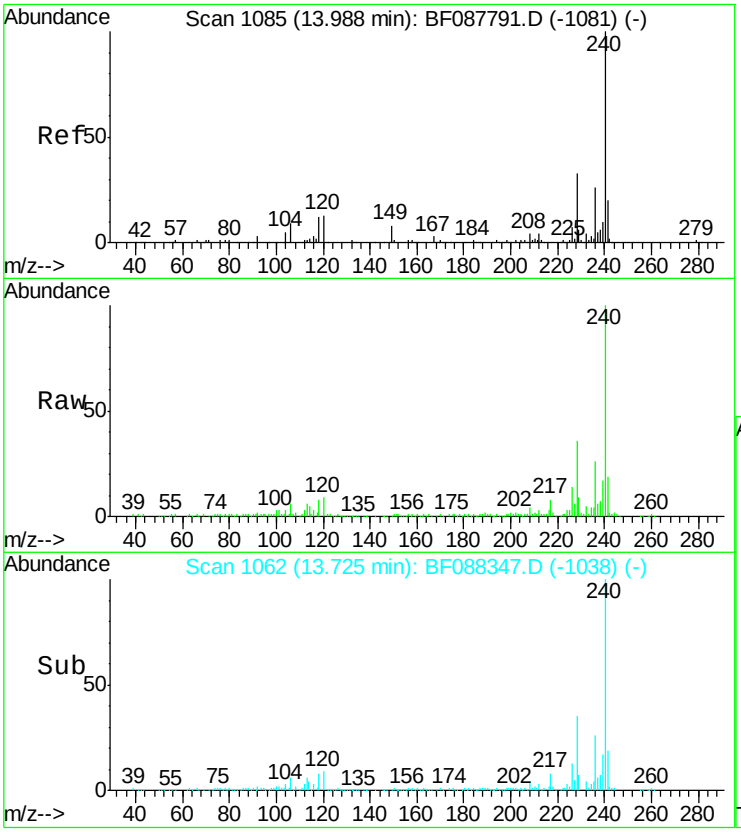


#74
Fluoranthene
Concen: 33.13 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:202 Resp: 397992

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.1
203	17.7	0.0	38.1



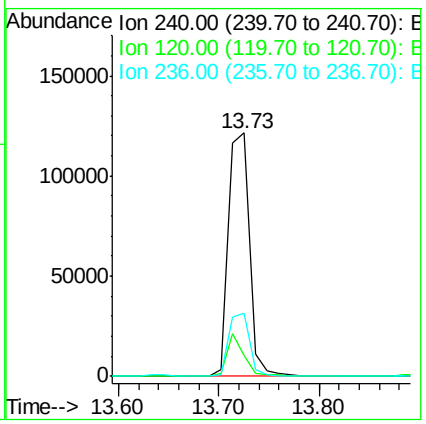


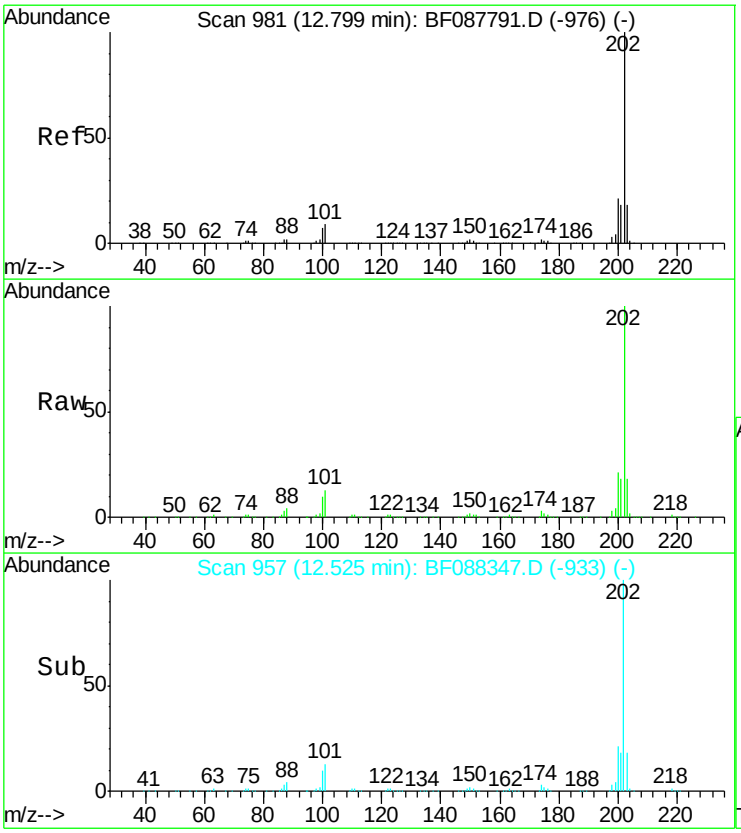
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:240 Resp: 177475

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.8	10.2
236	25.9	20.2	30.2

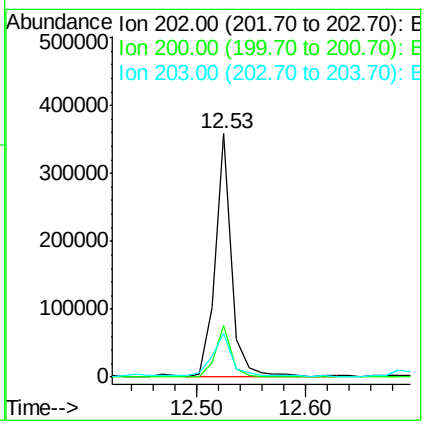


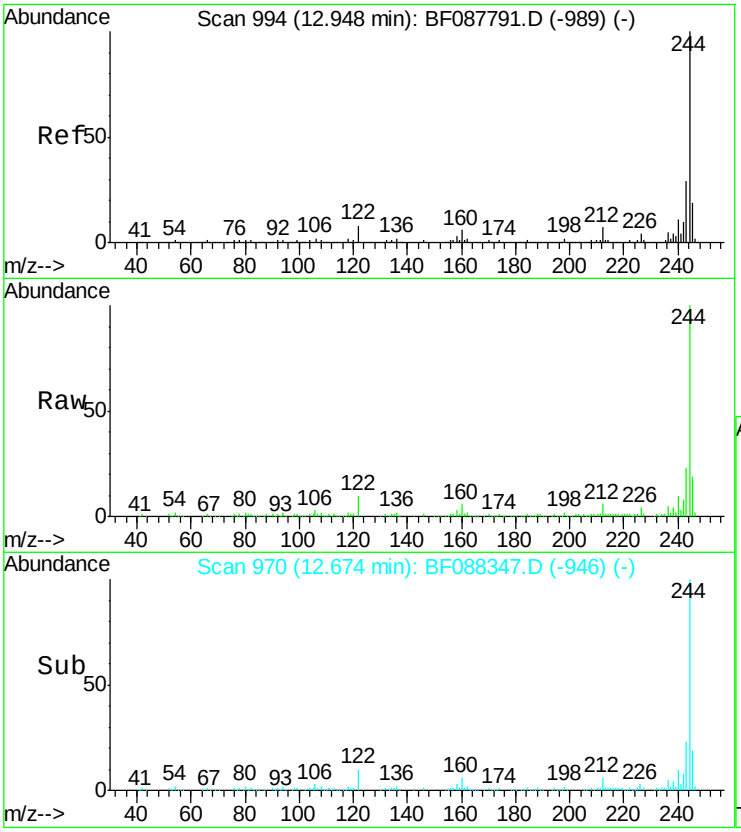


#77
Pyrene
Concen: 28.32 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:202 Resp: 372921

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.9	14.5	21.7



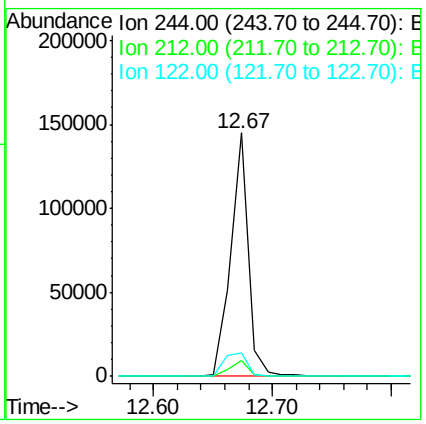


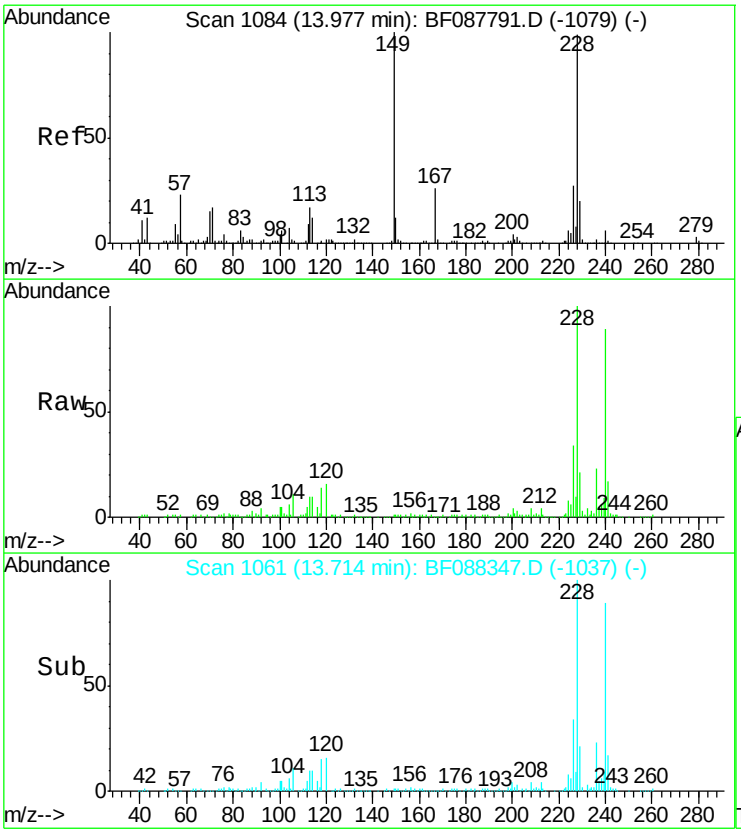
#78
Terphenyl-d14
Concen: 19.11 ng
RT: 12.67 min Scan# 970
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:244 Resp: 149061

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	9.8	11.2	16.8#

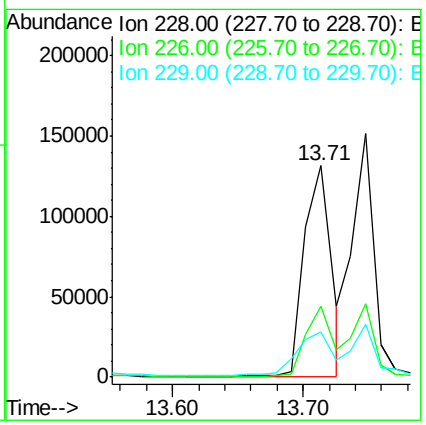


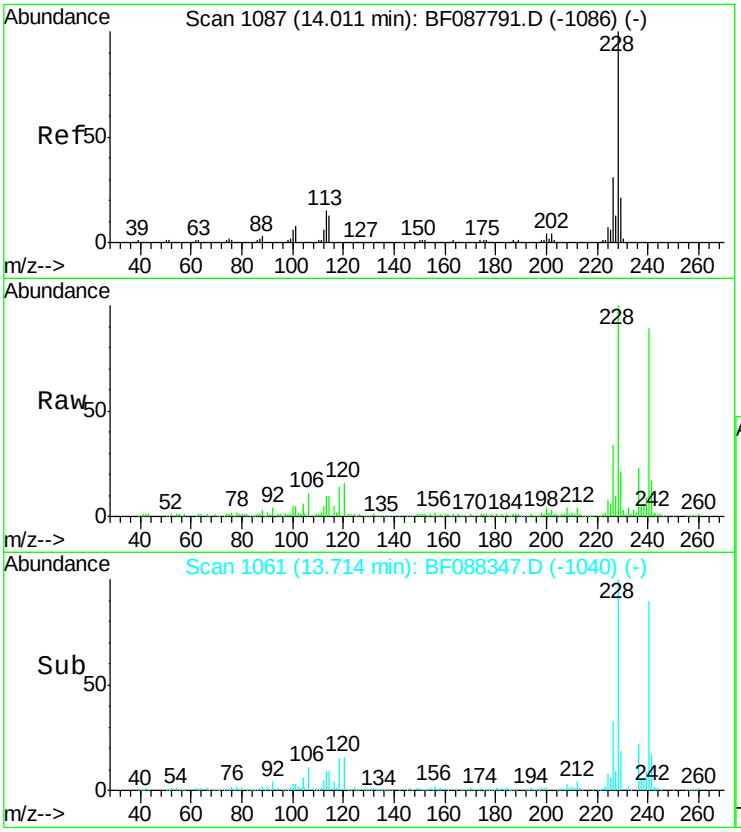


#80
Benzo(a)anthracene
Concen: 18.56 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:228 Resp: 187725

Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.3	33.5#
229	21.3	16.0	24.0



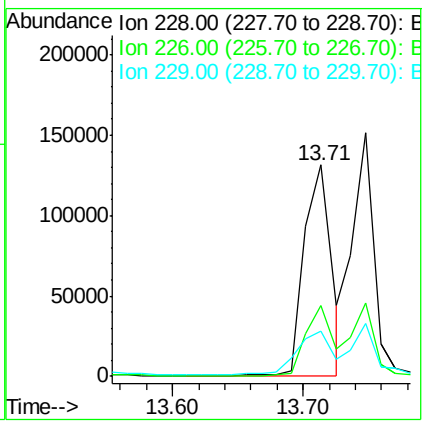


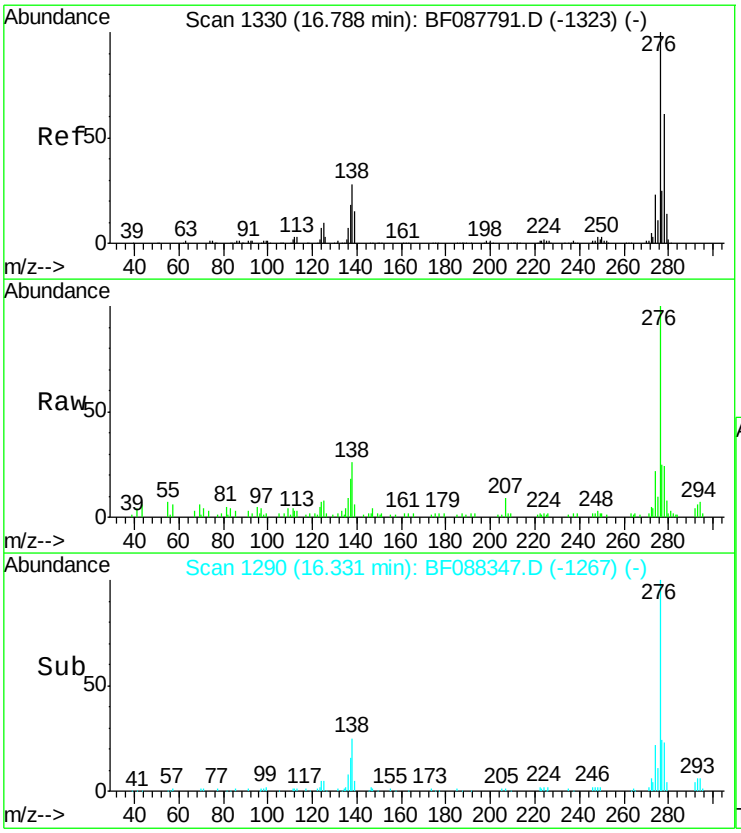
#82
Chrysene
Concen: 19.73 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.06 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:228 Resp: 187725

Ion	Ratio	Lower	Upper
228	100		
226	33.8	25.4	38.2
229	21.3	16.3	24.5

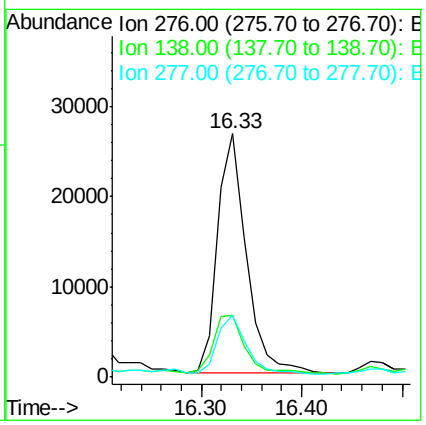


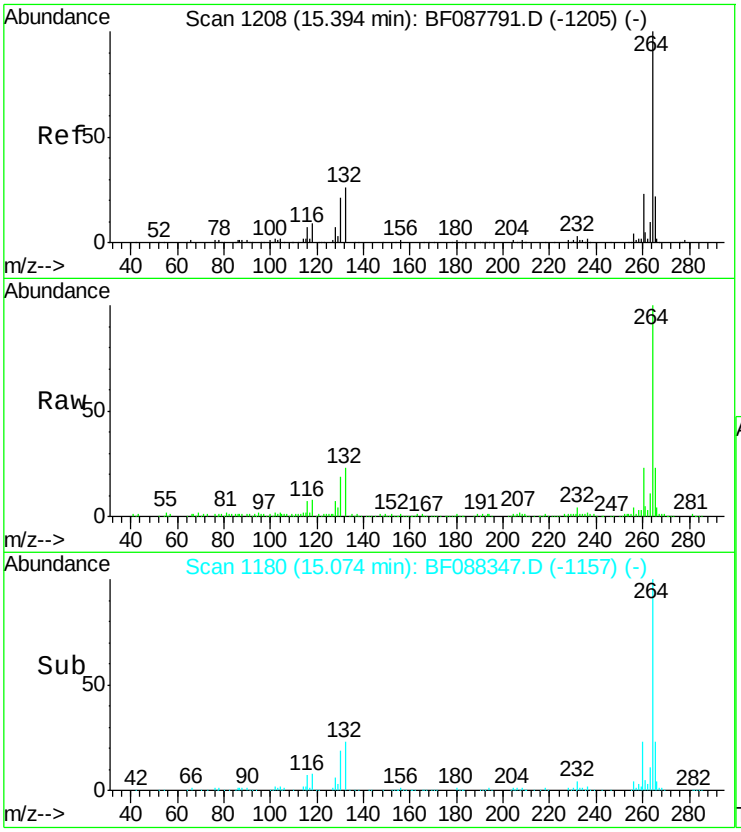


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.98 ng
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:276 Resp: 52849

Ion	Ratio	Lower	Upper
276	100		
138	30.6	0.0	0.0#
277	24.0	0.0	0.0#



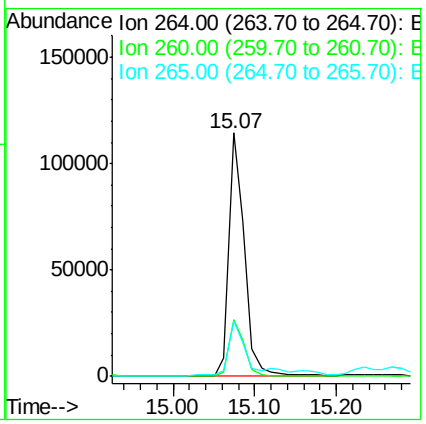


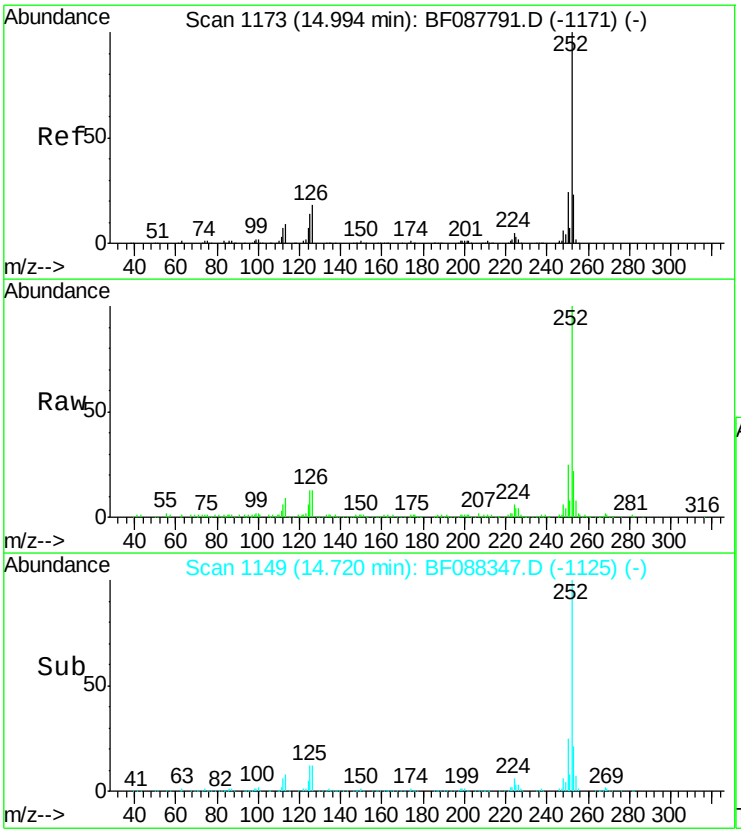
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.03 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:264 Resp: 152113

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.9	16.9	25.3

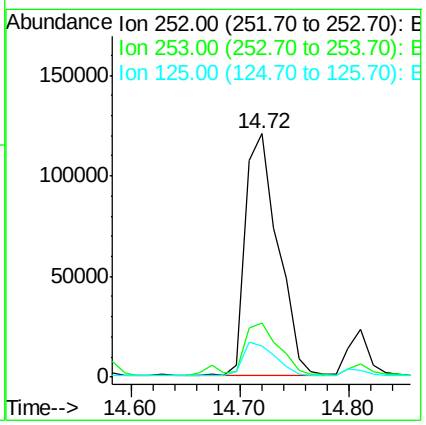


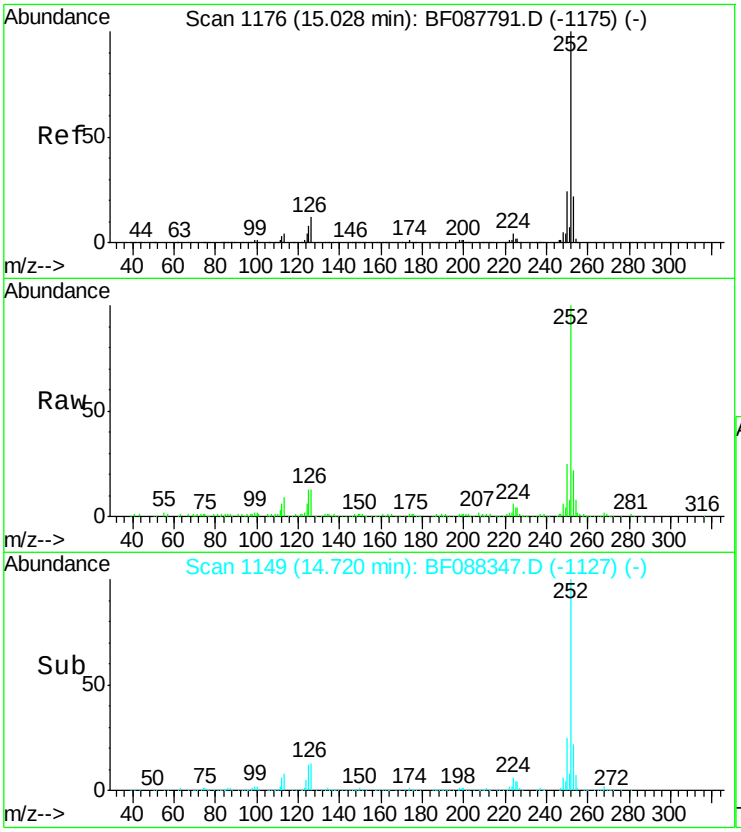


#87
Benzo(b)fluoranthene
Concen: 23.85 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:252 Resp: 252880

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.8	7.1	10.7#



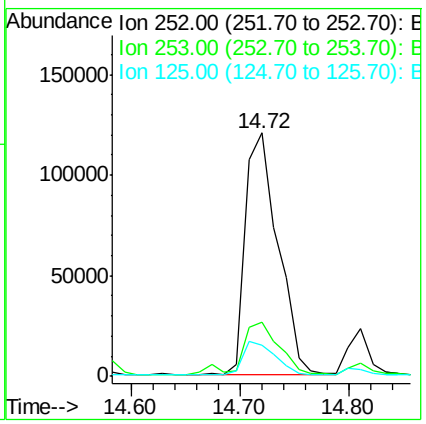


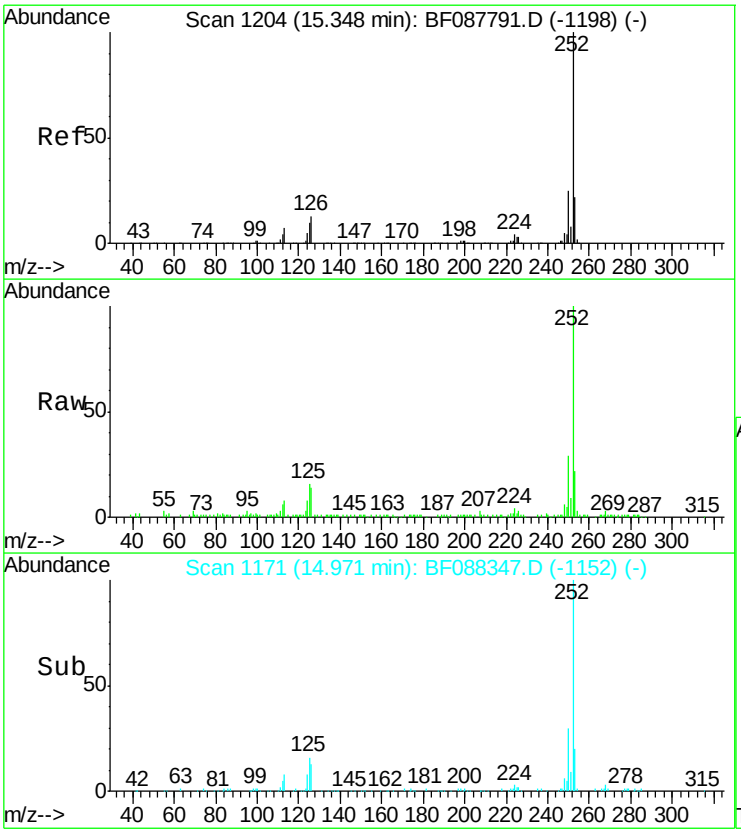
#88
Benzo(k)fluoranthene
Concen: 31.62 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:252 Resp: 252880

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.8	11.2	16.8

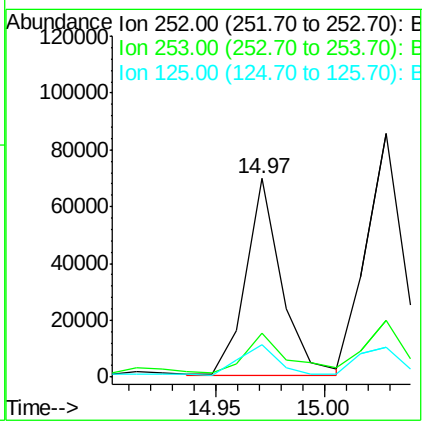


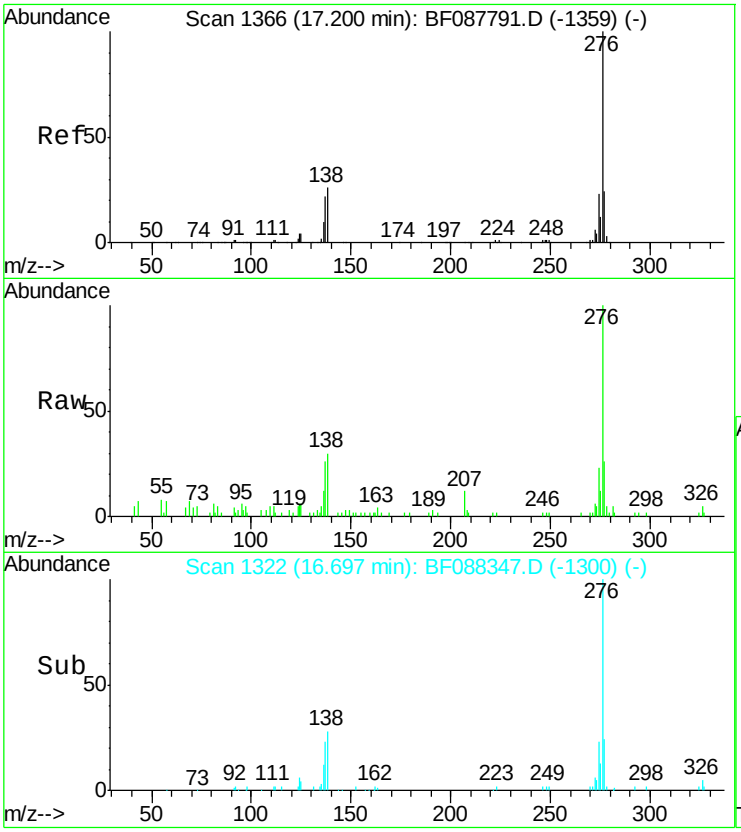


#89
Benzo(a)pyrene
Concen: 9.20 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.08 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion:252 Resp: 78882

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	16.3	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 5.33 ng
RT: 16.70 min Scan# 1322
Delta R.T. -0.05 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion:276 Resp: 43687

Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.9	28.3
138	29.6	21.4	32.2