Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084479.D
Acq On : 14 Jan 2016 9:40
Operator : SJ/UM
Sample : H1077-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POST-EX-2-20160108

Quant Time: Jan 14 11:20:39 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	339350	20.00	ng		-0.07
21) Naphthalene-d8	8.12	136	1398863	20.00	ng		-0.07
38) Acenaphthene-d10	9.87	164	572856	20.00	ng		-0.08
63) Phenanthrene-d10	11.36	188	917714	20.00	ng		-0.07
75) Chrysene-d12	13.98	240	638233	20.00	ng		-0.08
86) Perylene-d12	15.41	264	627975	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	332664	15.86	ng		-0.07
7) Phenol-d6	6.46	99	592134	22.47	ng		-0.07
23) Nitrobenzene-d5	7.39	82	359807	14.32	ng		-0.08
41) 2,4,6-Tribromophenol	10.66	330	45189	7.81	ng		-0.08
44) 2-Fluorobiphenyl	9.20	172	658806	15.02	ng		-0.07
78) Terphenyl-d14	12.93	244	378454	13.24	ng		-0.08
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	47136	2.64	ng	#	71
32) Benzoic acid	8.11	122	433	6.27	ng	#	1
49) Dimethylphthalate	9.60	163	135036	3.30	ng	#	90
50) 2,6-Dinitrotoluene	9.87	165	72253	8.04	ng	#	37
54) Dibenzofuran	10.08	168	5523	Below Cal		#	96
56) 2,4-Dinitrotoluene	9.87	165	72545	6.38	ng	#	21
57) Fluorene	10.42	166	9606	Below Cal			93
70) Phenanthrene	11.38	178	227296	4.73	ng		98
73) Di-n-butylphthalate	11.92	149	5807	Below Cal		#	78
74) Fluoranthene	12.57	202	455848	9.09	ng		94
77) Pyrene	12.80	202	457930	9.14	ng		98
80) Benzo(a)anthracene	13.98	228	252830	6.75	ng		96
82) Chrysene	13.98	228	252830	7.02	ng		100
85) Indeno(1,2,3-cd)pyrene	16.79	276	119162	4.17	ng		94
87) Benzo(b)fluoranthene	15.00	252	378396	9.21	ng	#	92
88) Benzo(k)fluoranthene	15.00	252	378396	11.26	ng	#	95
89) Benzo(a)pyrene	15.35	252	213156	6.12	ng	#	88
91) Benzo(g,h,i)perylene	17.21	276	107557	3.46	ng		97

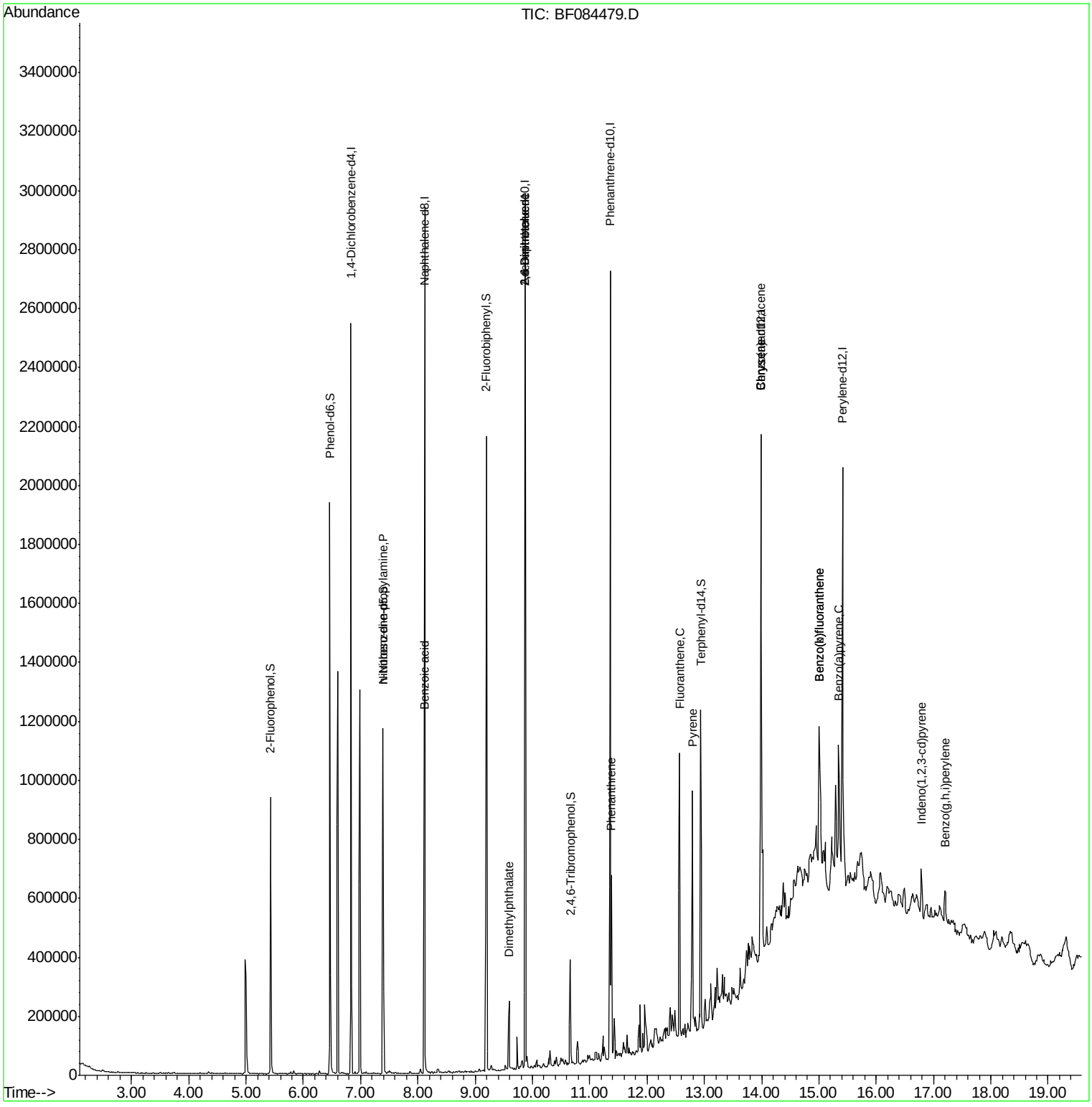
(#) = qualifier out of range (m) = manual integration (+) = signals summed

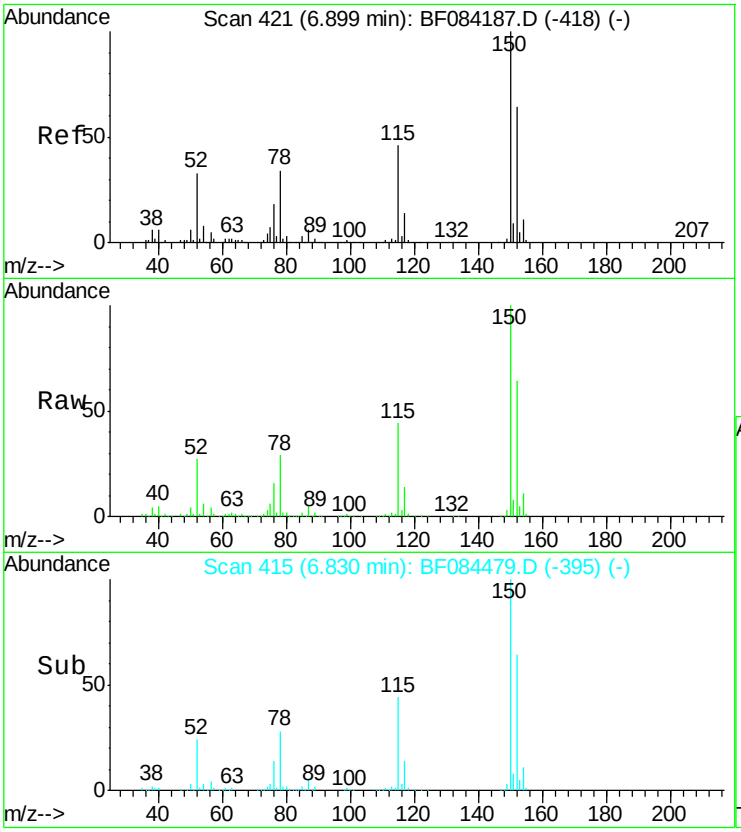
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084479.D
Acq On : 14 Jan 2016 9:40
Operator : SJ/UM
Sample : H1077-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Quant Time: Jan 14 11:20:39 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



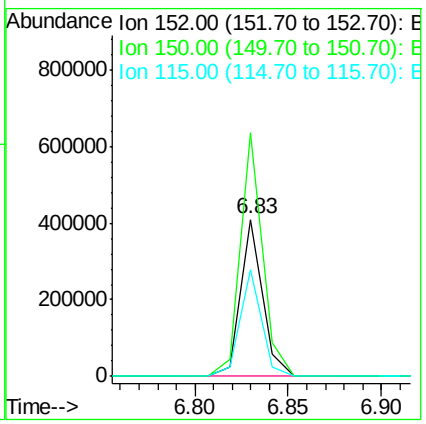


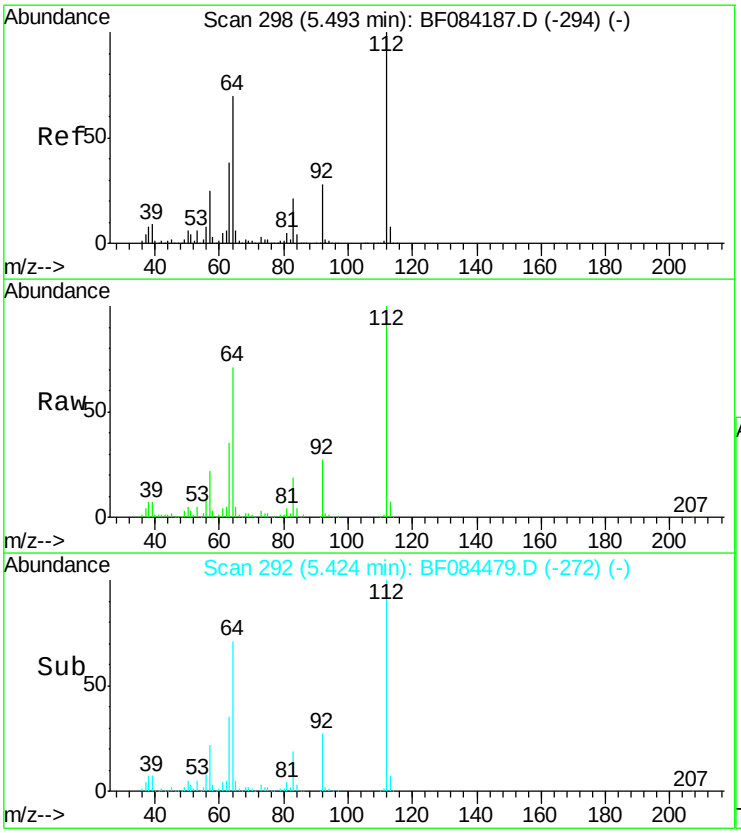
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:152 Resp: 339350

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.0	184.4
115	68.0	51.4	77.2

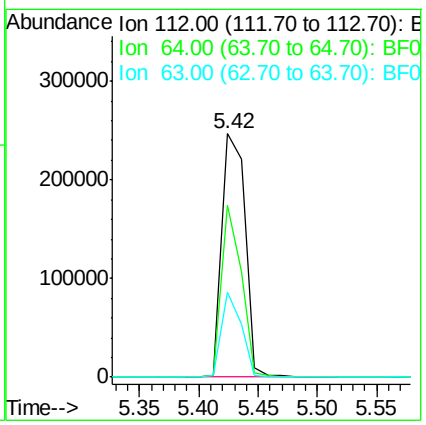


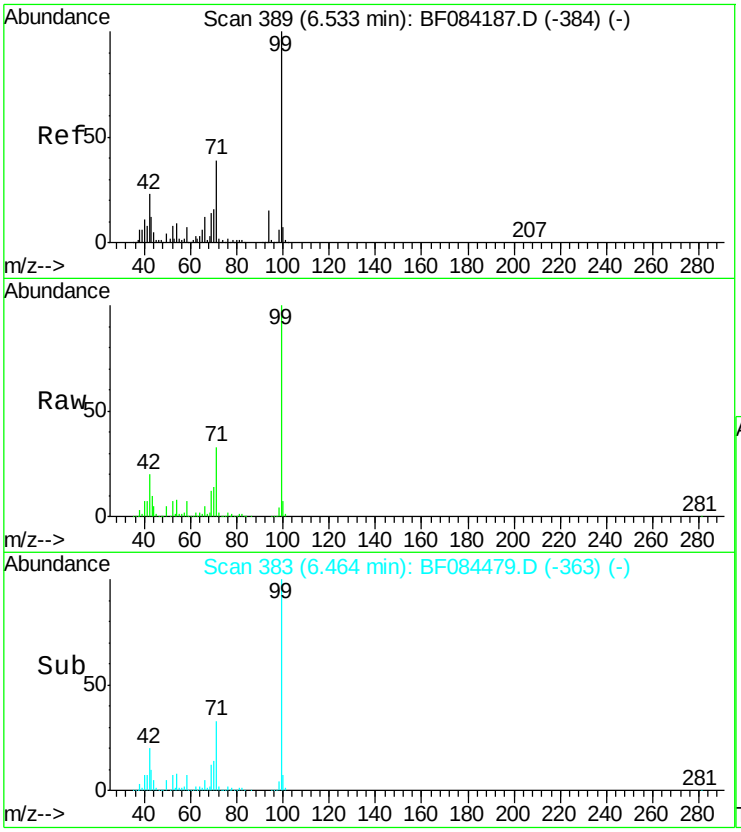


#5
2-Fluorophenol
Concen: 15.86 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:112 Resp: 332664

Ion	Ratio	Lower	Upper
112	100		
64	70.9	36.6	55.0#
63	34.7	19.4	29.0#



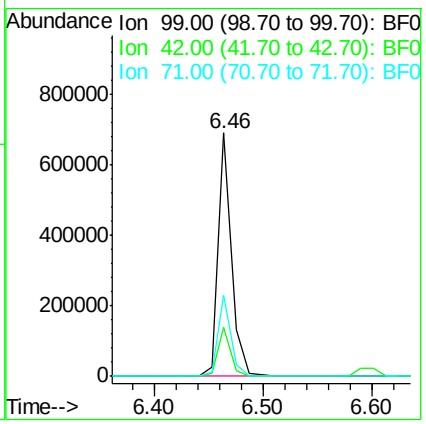


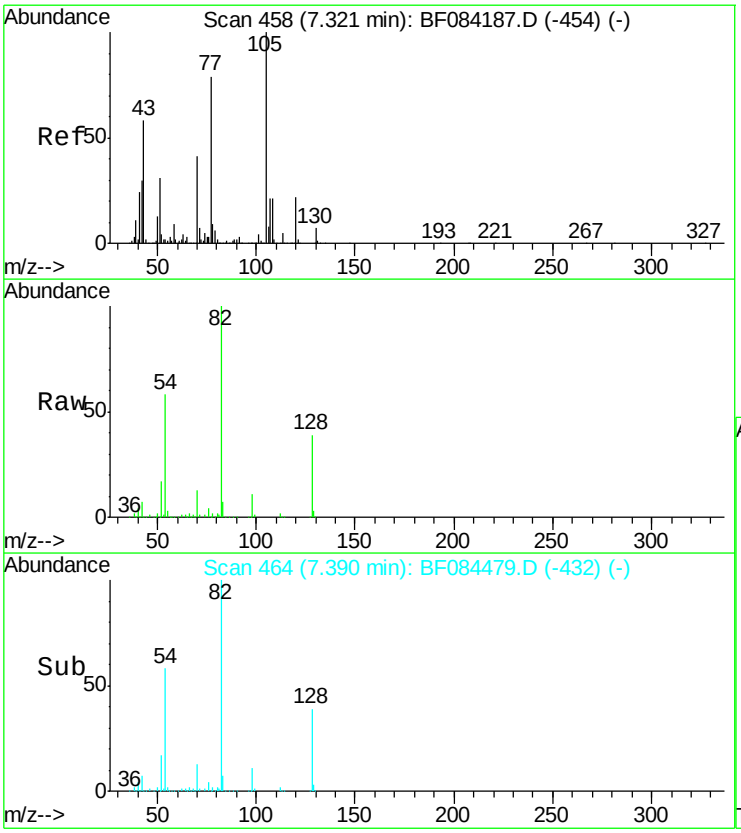
#7
Phenol-d6
Concen: 22.47 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion: 99 Resp: 592134

Ion	Ratio	Lower	Upper
99	100		
42	20.1	12.8	19.2#
71	33.4	30.9	46.3

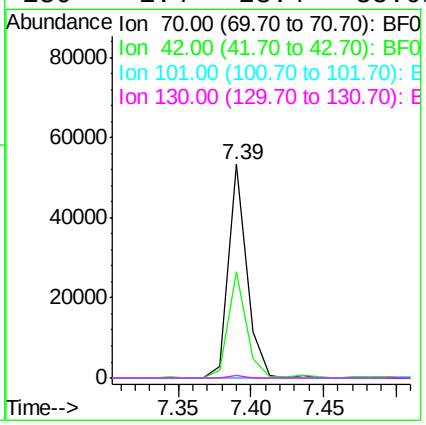


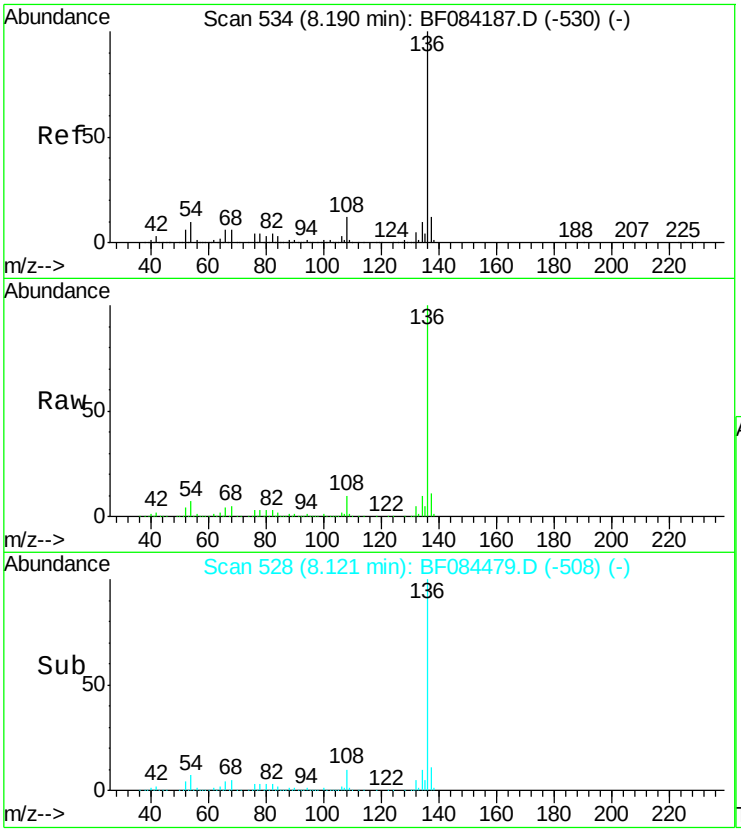


#19
n-Nitroso-di-n-propylamine
Concen: 2.64 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion: 70 Resp: 47136

Ion	Ratio	Lower	Upper
70	100		
42	49.8	33.3	49.9
101	0.0	9.3	13.9#
130	1.4	23.4	35.0#



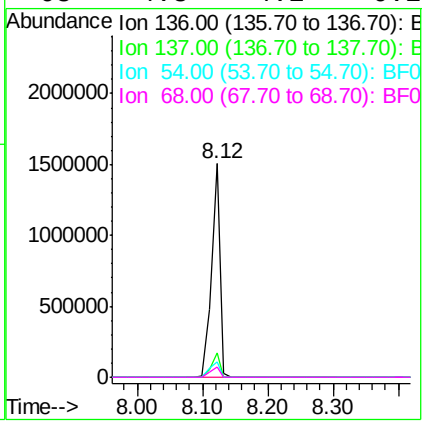


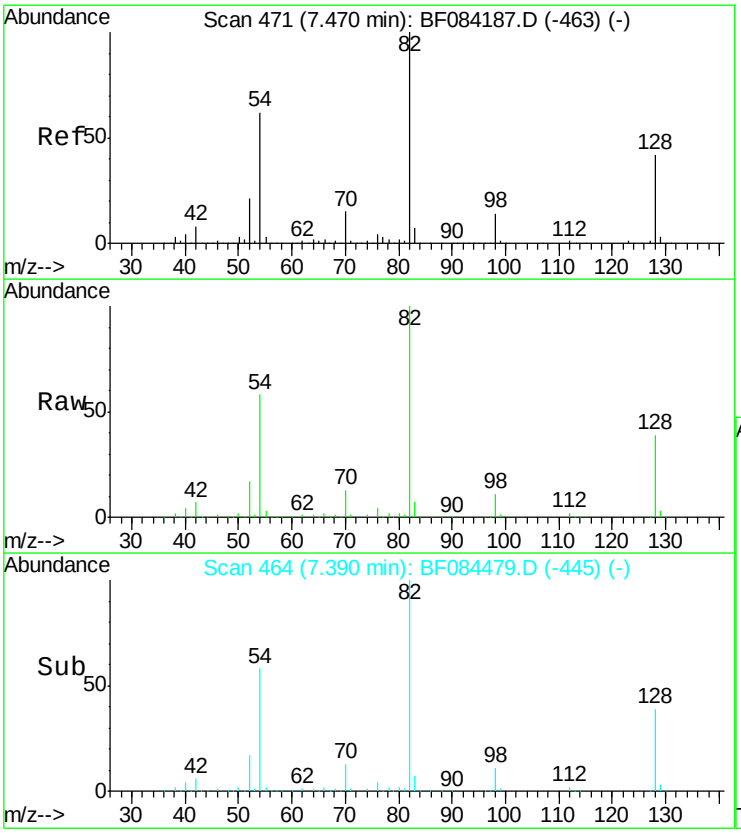
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:136 Resp: 1398863

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.2	5.8	8.8
68	4.8	4.2	6.2

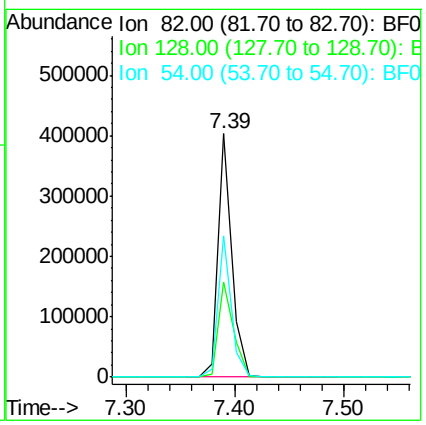


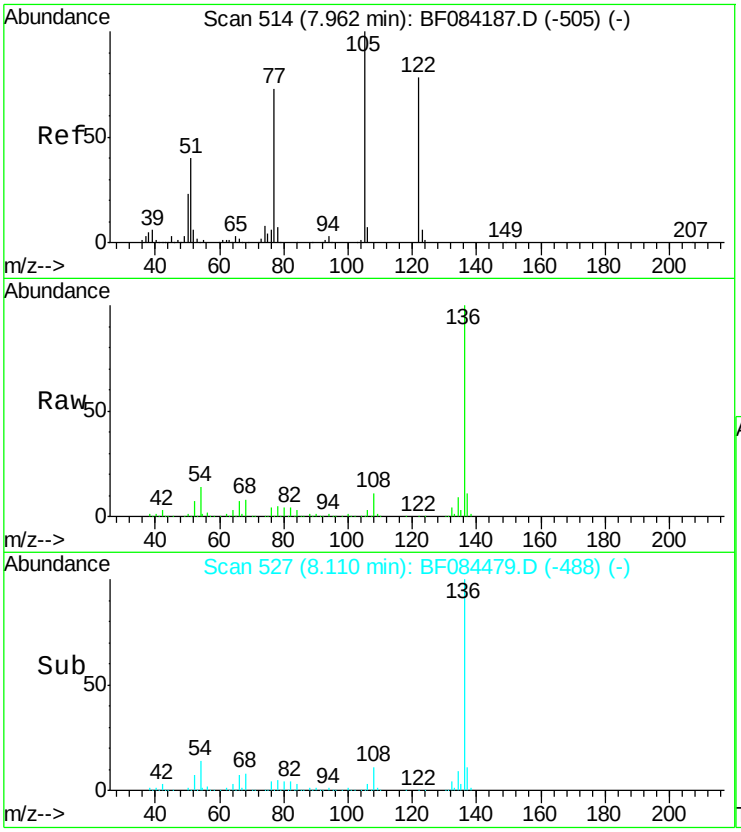


#23
Nitrobenzene-d5
Concen: 14.32 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion: 82 Resp: 359807

Ion	Ratio	Lower	Upper
82	100		
128	38.9	34.6	51.8
54	58.0	38.4	57.6#



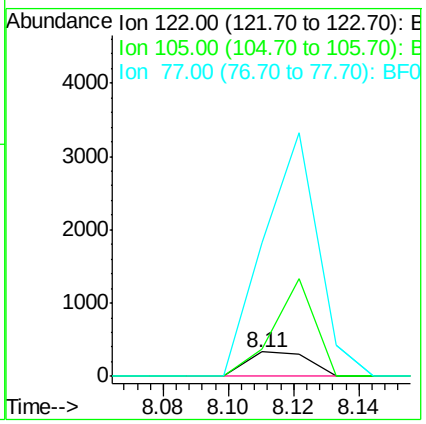


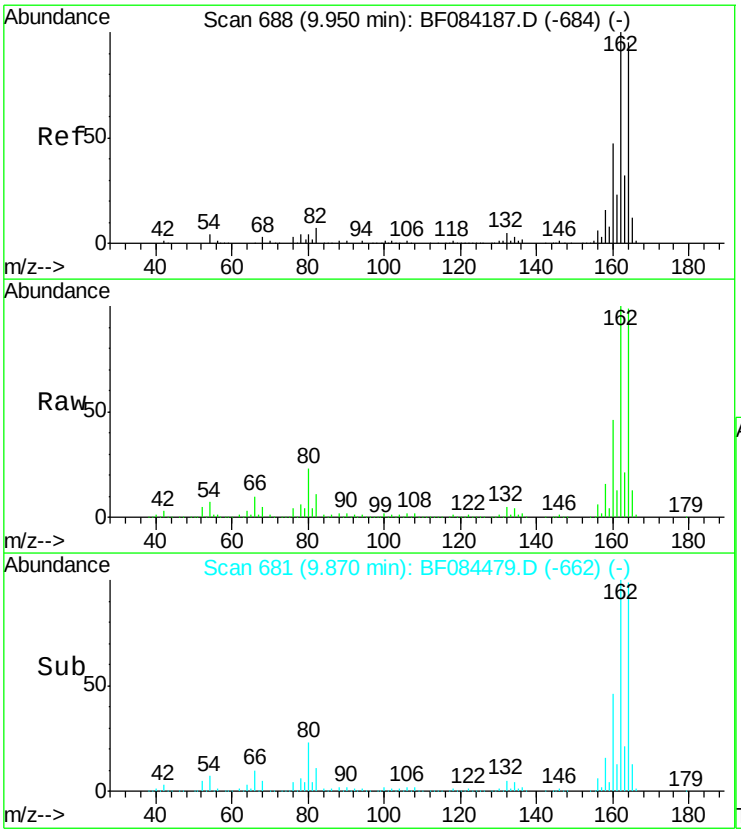
#32
Benzoic acid
Concen: 6.27 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.15 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:122 Resp: 433

Ion	Ratio	Lower	Upper
122	100		
105	115.2	100.3	140.3
77	553.8	63.5	103.5#

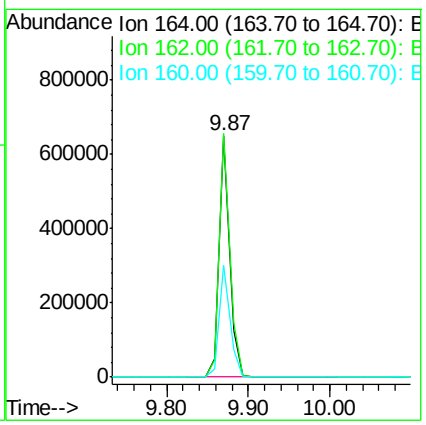


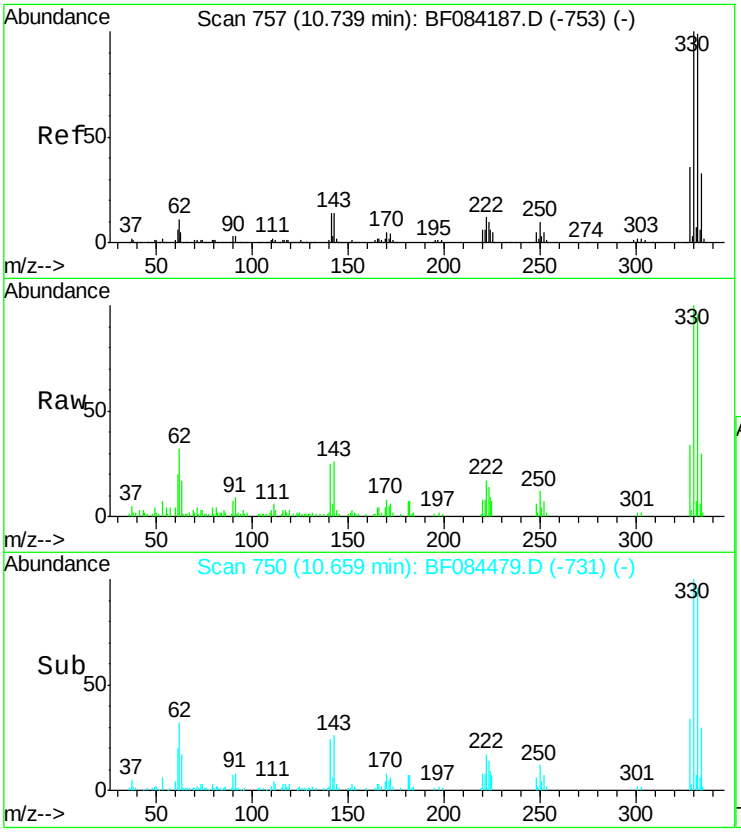


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:164 Resp: 572856

Ion	Ratio	Lower	Upper
164	100		
162	100.8	85.1	127.7
160	46.0	37.5	56.3



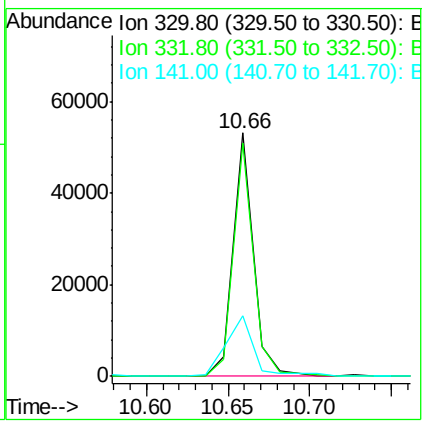


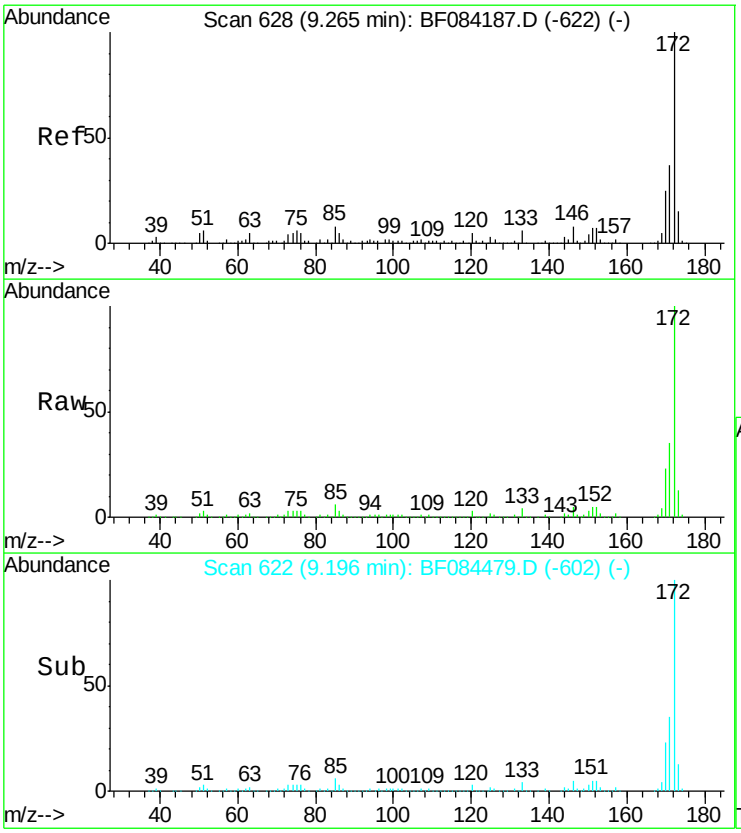
#41
2,4,6-Tribromophenol
Concen: 7.81 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:330 Resp: 45189

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	34.3	27.8	41.6

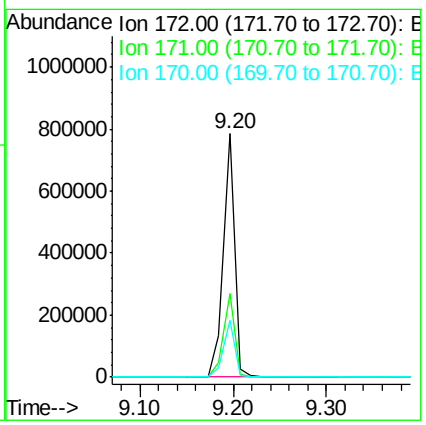


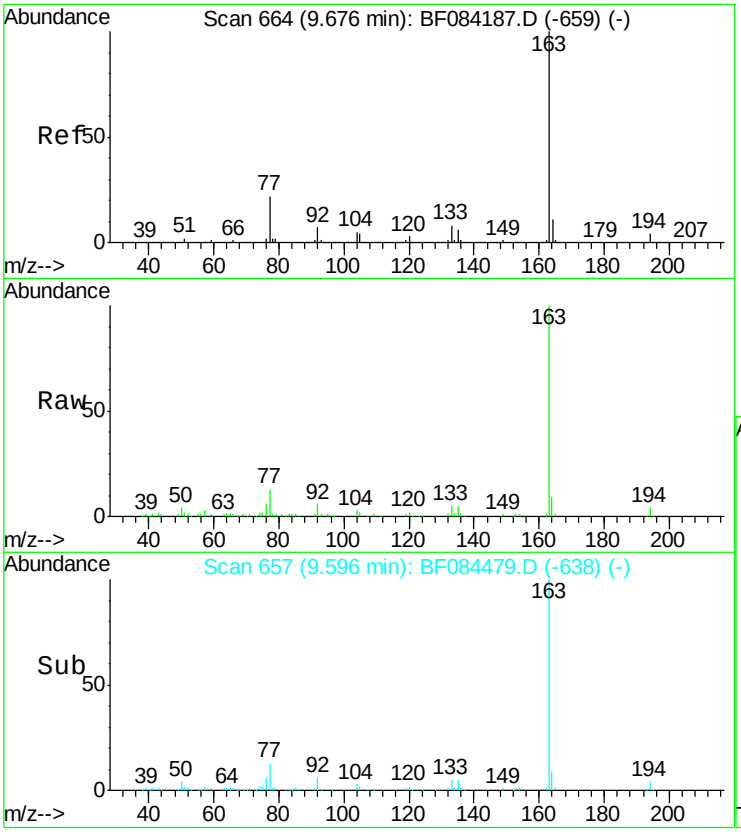


#44
2-Fluorobiphenyl
Concen: 15.02 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:172 Resp: 658806

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.9	43.3
170	23.3	18.6	27.8



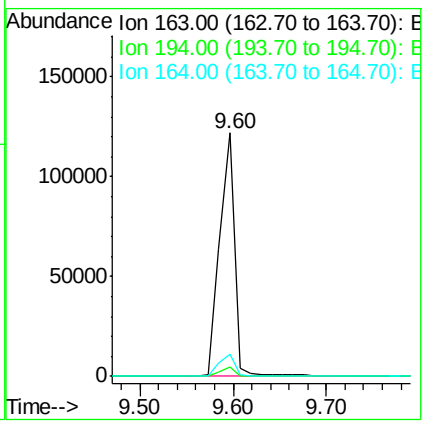


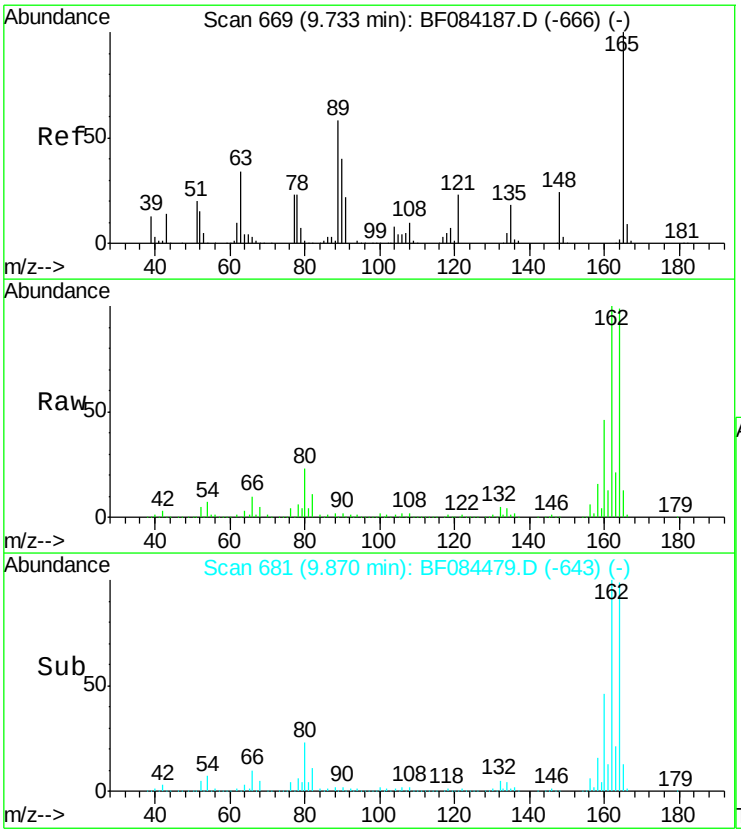
#49
Dimethylphthalate
Concen: 3.30 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:163 Resp: 135036

Ion	Ratio	Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	9.2	8.0	12.0

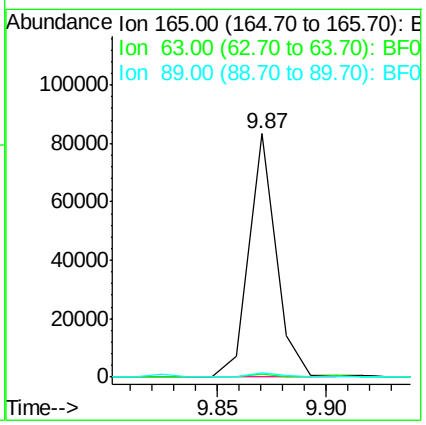


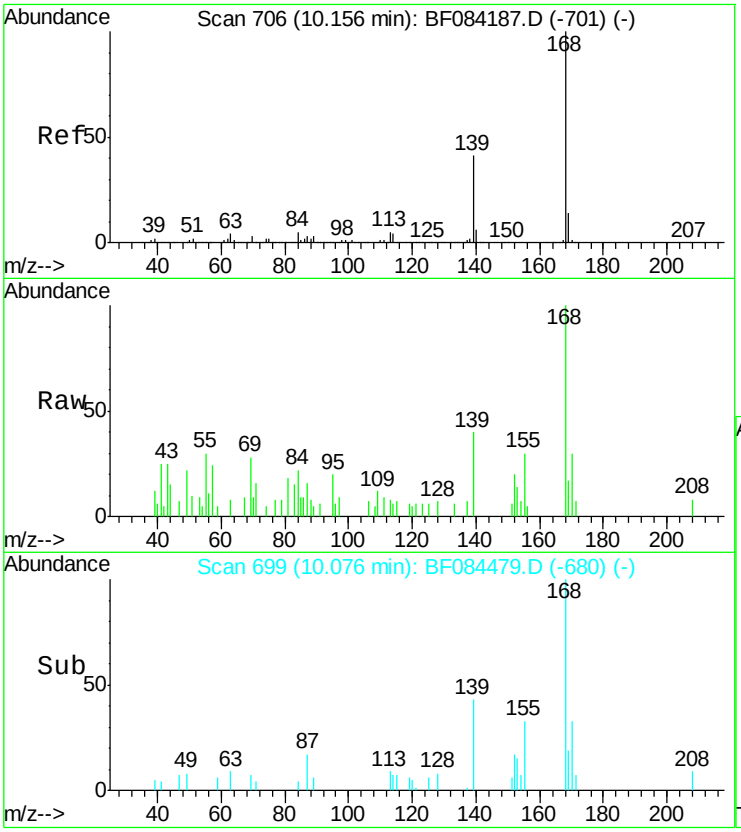


#50
2,6-Dinitrotoluene
Concen: 8.04 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.14 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:165 Resp: 72253

Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.8	43.2#
89	1.5	35.1	52.7#



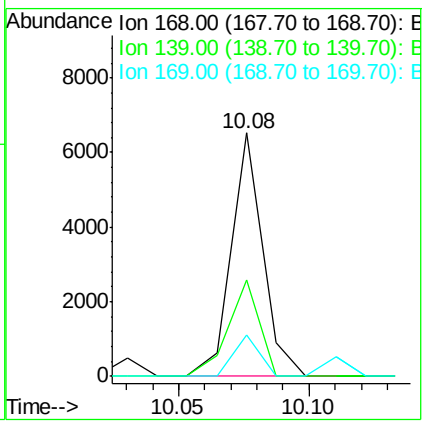


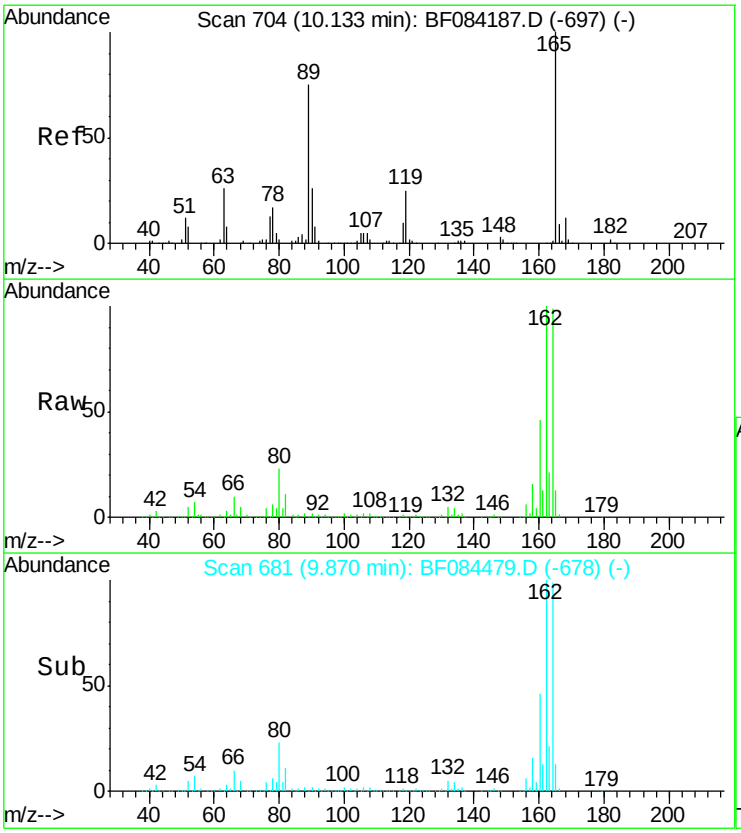
#54
Dibenzofuran
Concen: Below Cal
RT: 10.08 min Scan# 699
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:168 Resp: 5523

Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.5	45.7
169	17.2	10.4	15.6#

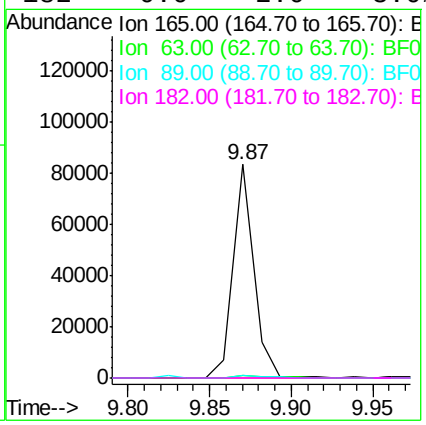


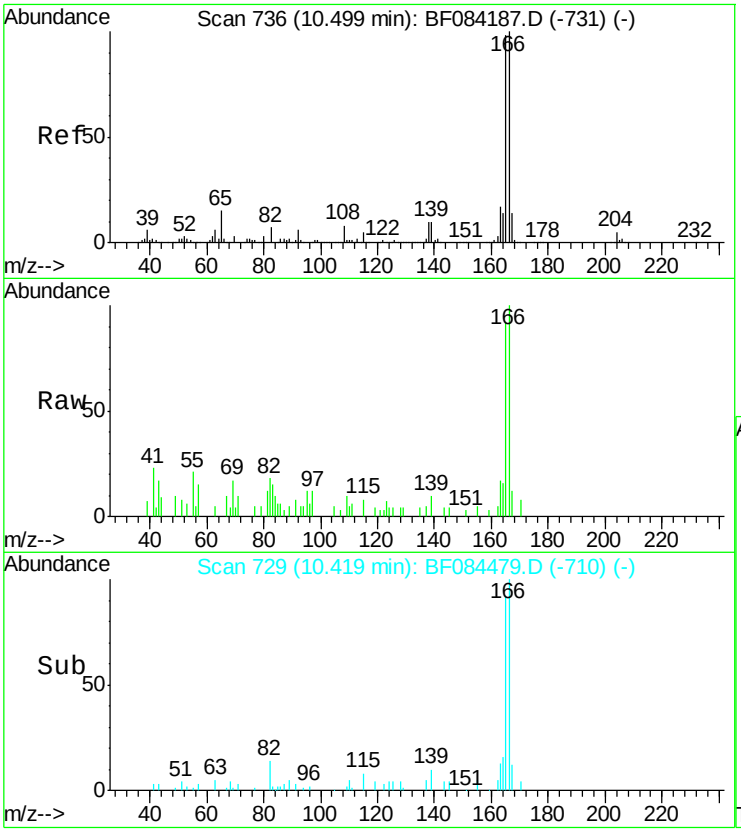


#56
2,4-Dinitrotoluene
Concen: 6.38 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.26 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:165 Resp: 72545

Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.7	55.1#
89	1.5	61.9	92.9#
182	0.0	2.0	3.0#



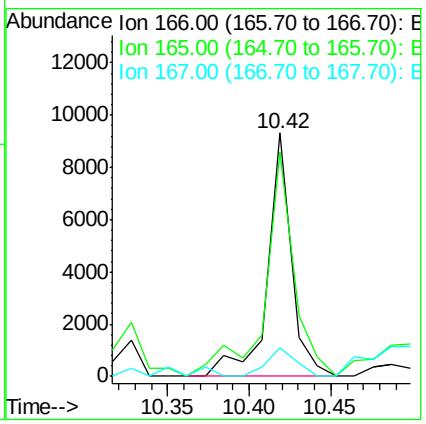


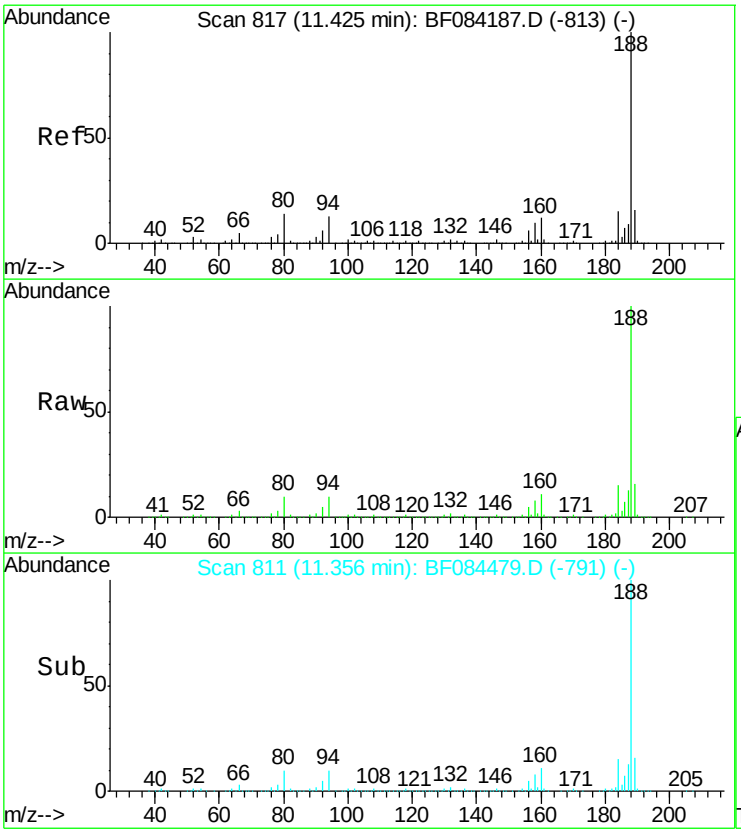
#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 729
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:166 Resp: 9606

Ion	Ratio	Lower	Upper
166	100		
165	92.0	79.1	118.7
167	11.5	10.4	15.6

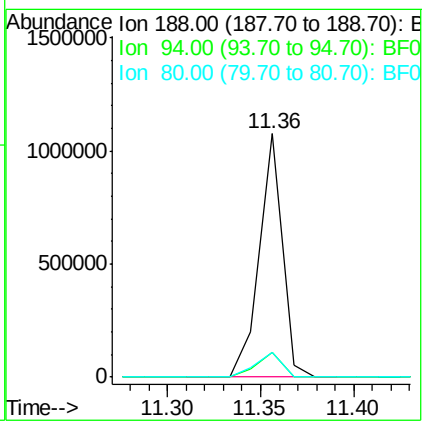


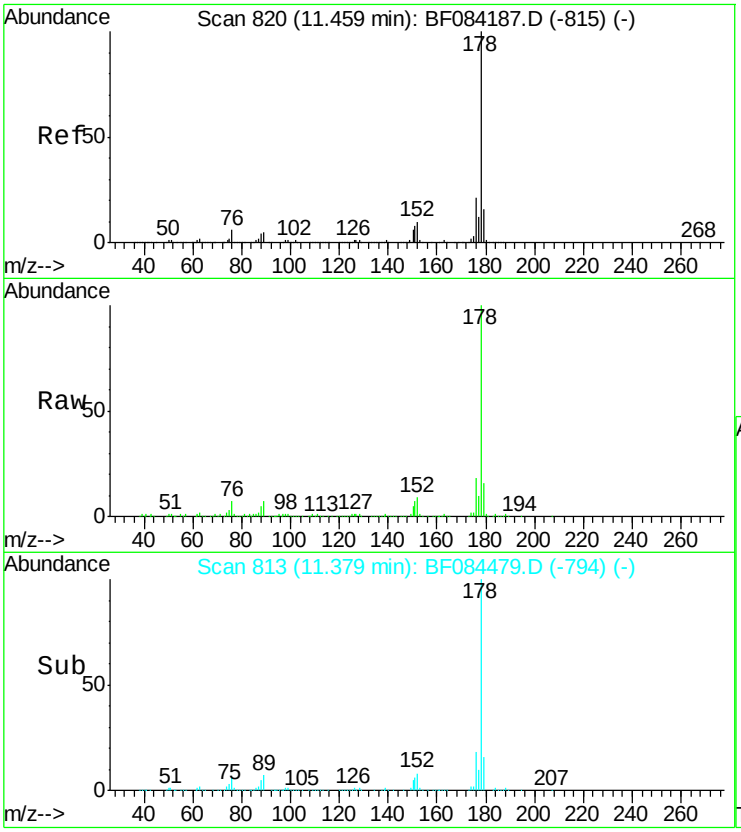


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:188 Resp: 917714

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.4
80	10.0	9.6	14.4



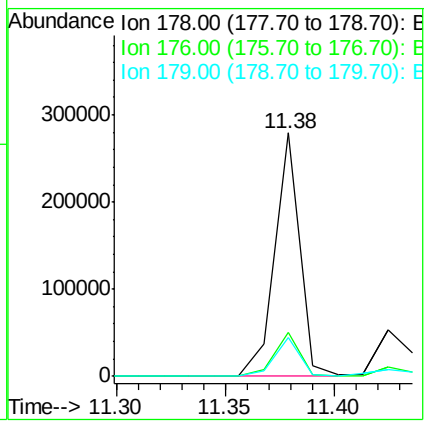


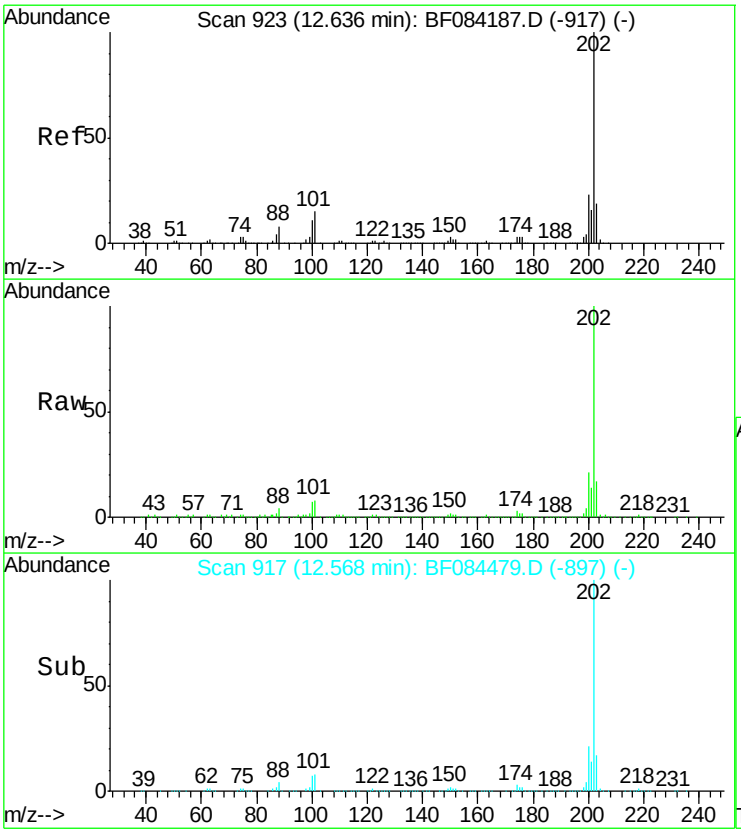
#70
Phenanthrene
Concen: 4.73 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:178 Resp: 227296

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.7	12.0	18.0

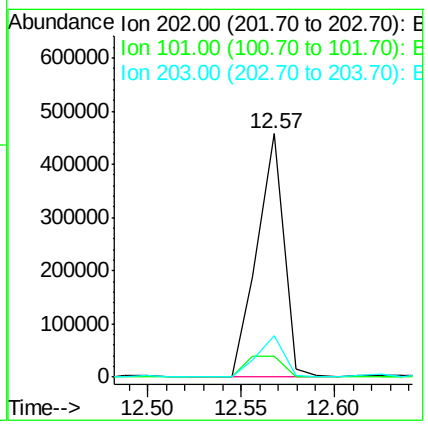


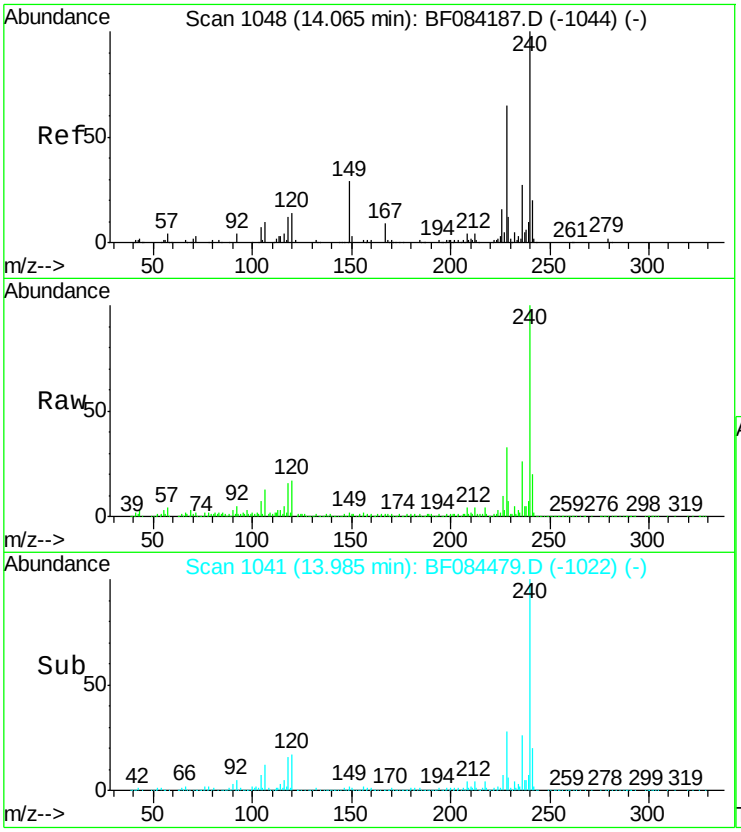


#74
Fluoranthene
Concen: 9.09 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:202 Resp: 455848

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	32.8
203	17.2	0.0	37.9



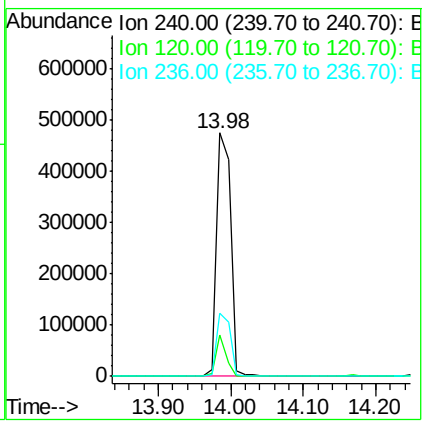


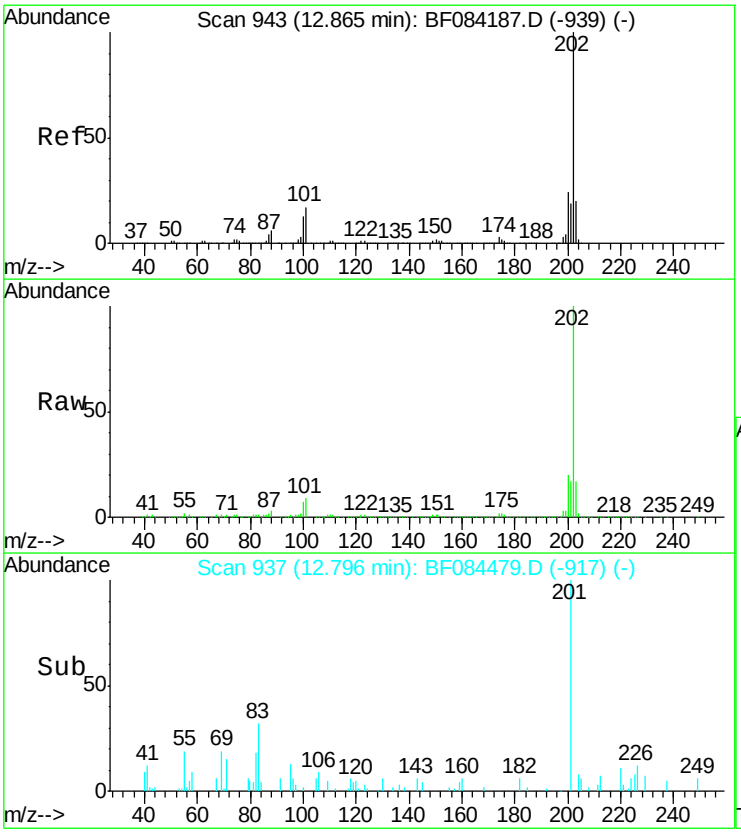
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1041
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:240 Resp: 638233

Ion	Ratio	Lower	Upper
240	100		
120	17.0	9.5	14.3#
236	26.0	20.6	31.0

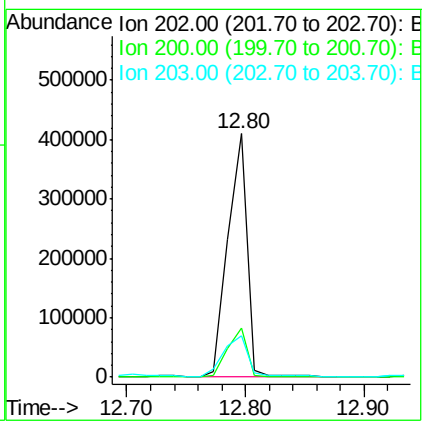


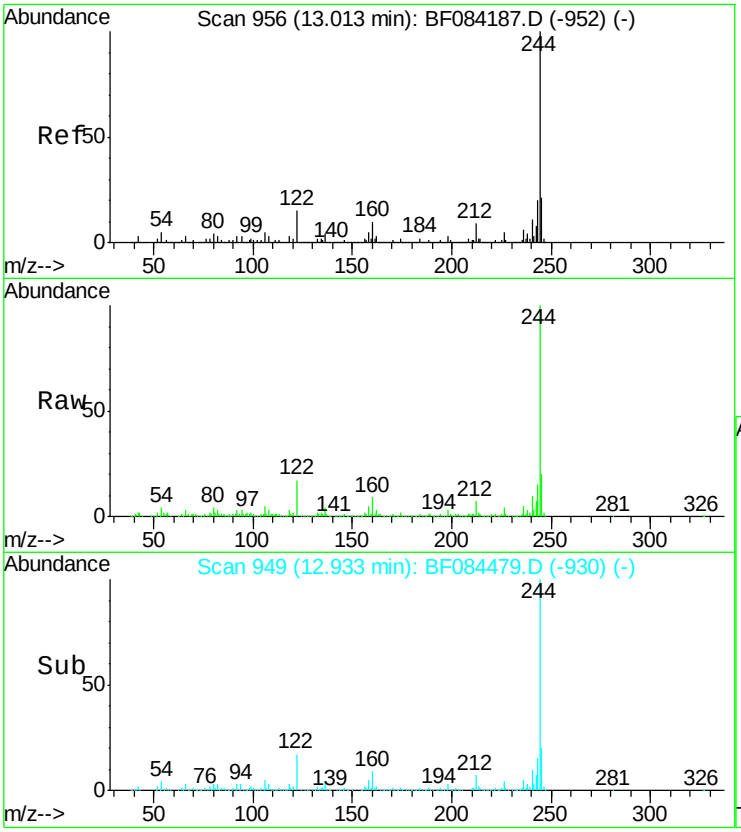


#77
Pyrene
Concen: 9.14 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:202 Resp: 457930

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.2	25.8
203	17.2	14.3	21.5



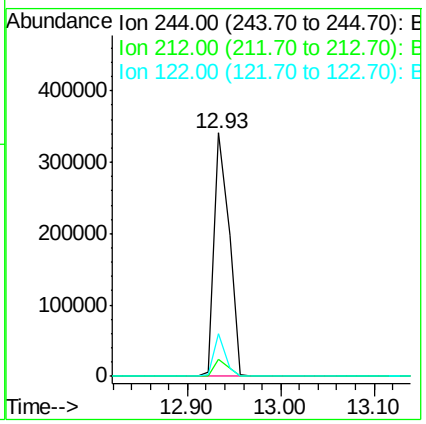


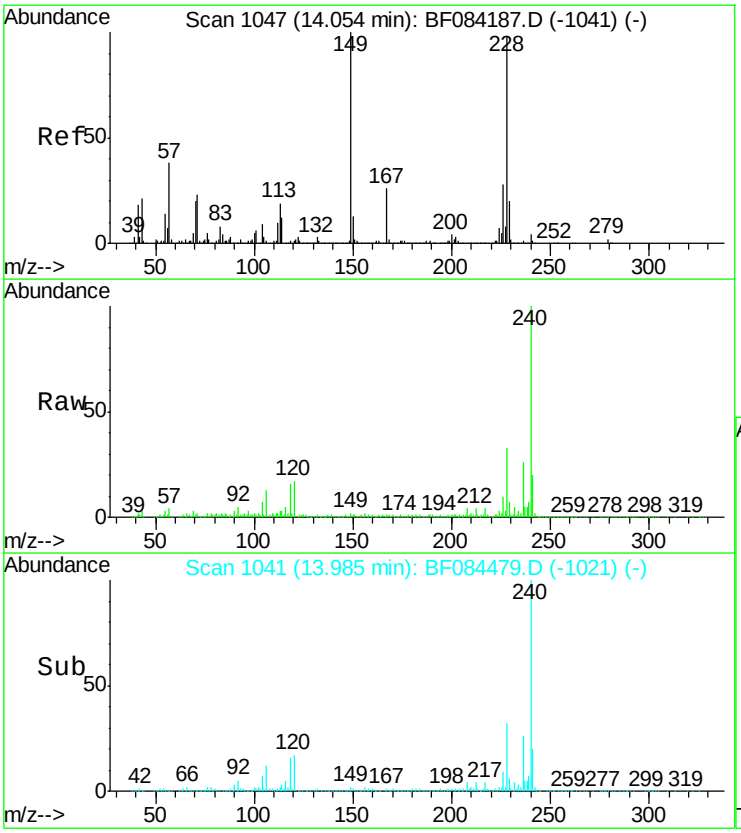
#78
Terphenyl-d14
Concen: 13.24 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:244 Resp: 378454

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	17.5	7.4	11.0#

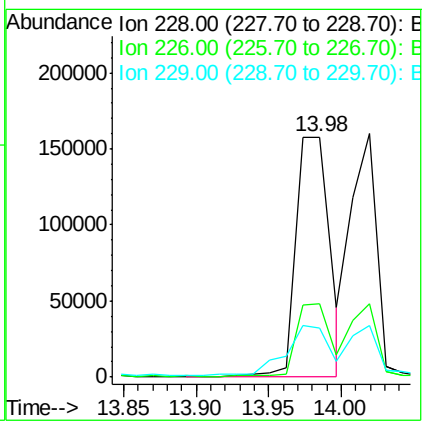


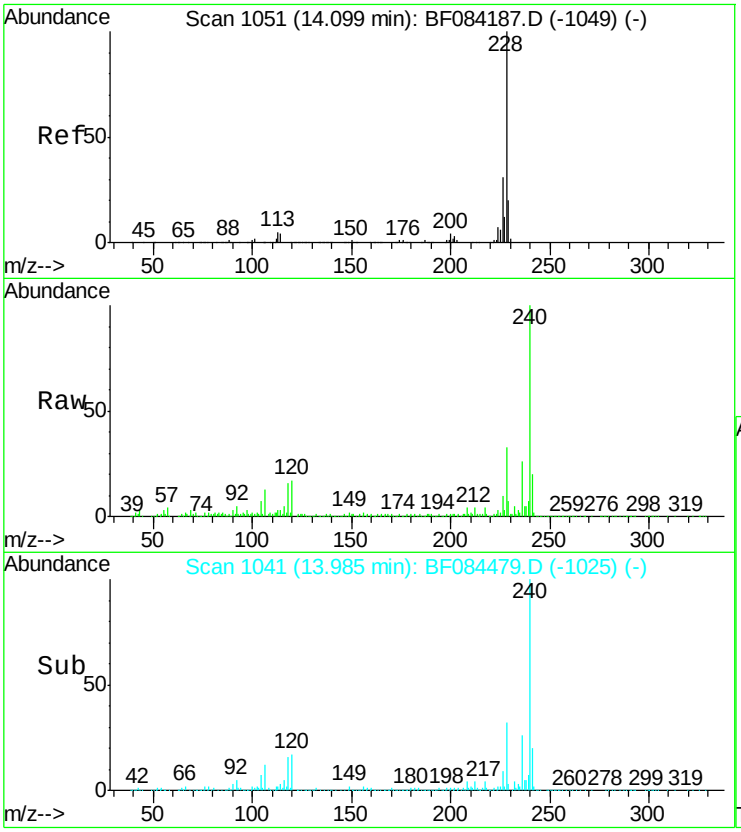


#80
Benzo(a)anthracene
Concen: 6.75 ng
RT: 13.98 min Scan# 1041
Delta R.T. -0.07 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:228 Resp: 252830

Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.8	32.6
229	20.6	15.8	23.8



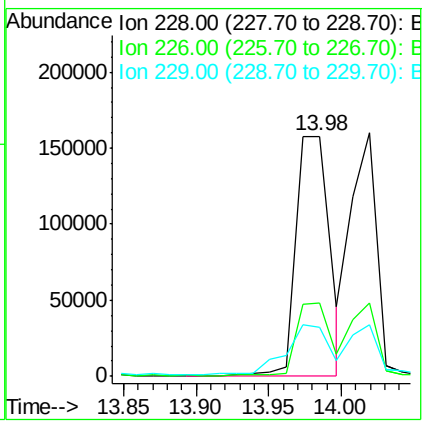


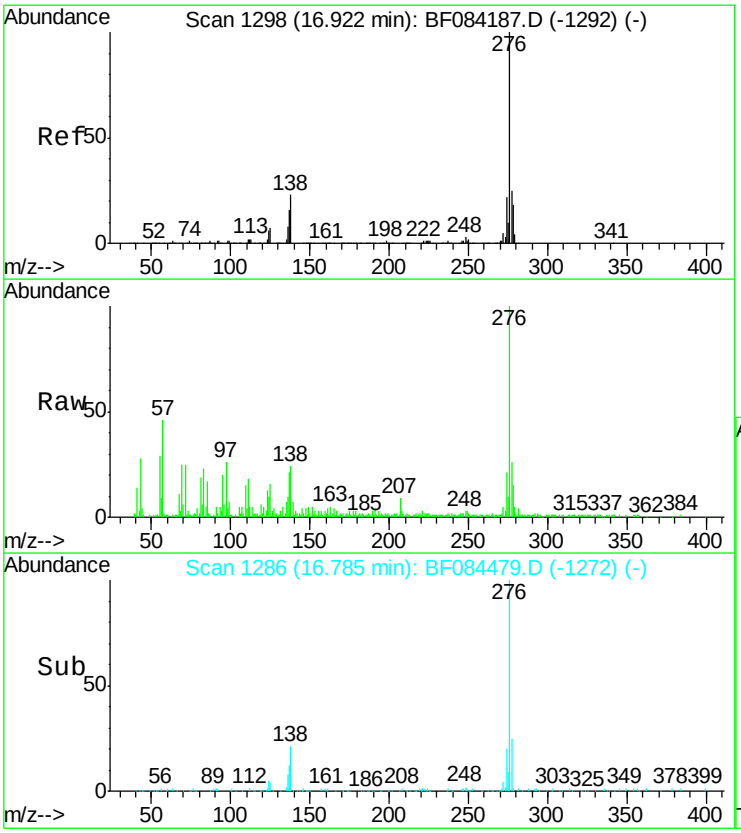
#82
Chrysene
Concen: 7.02 ng
RT: 13.98 min Scan# 1041
Delta R.T. -0.11 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:228 Resp: 252830

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.6	16.1	24.1

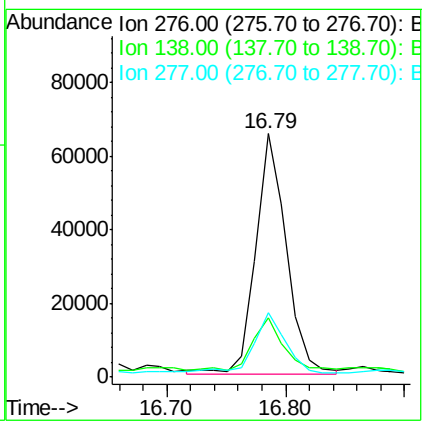


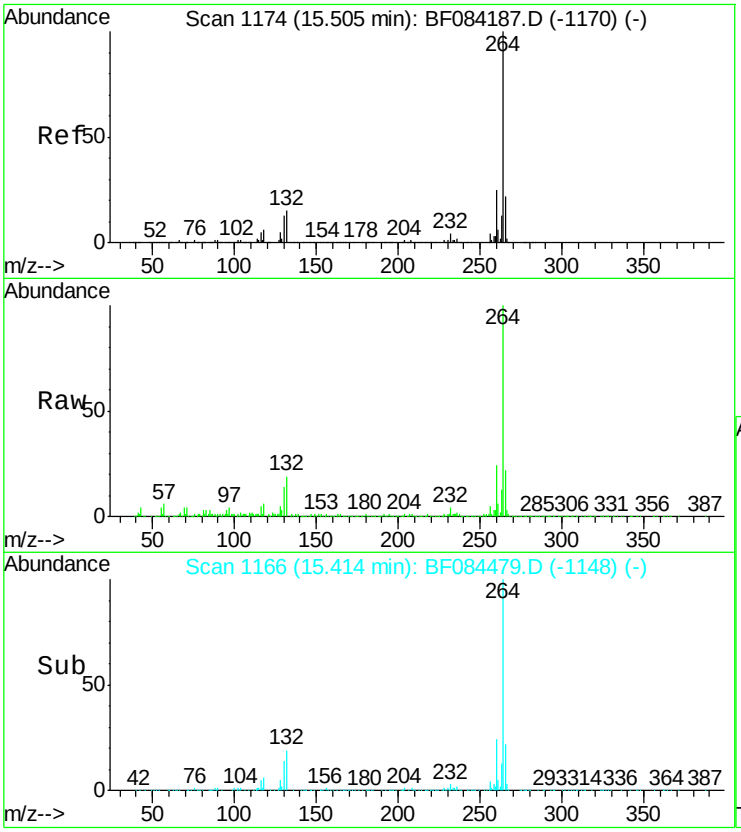


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.17 ng
RT: 16.79 min Scan# 1286
Delta R.T. -0.14 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:276 Resp: 119162

Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.6	30.8
277	29.3	20.1	30.1



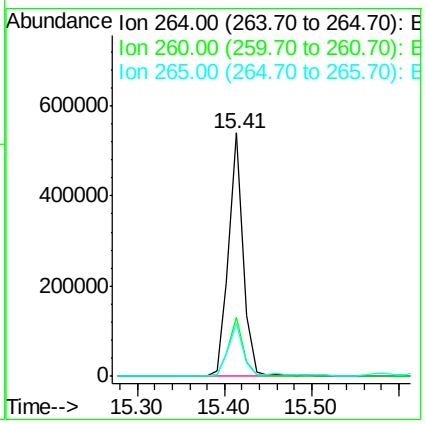


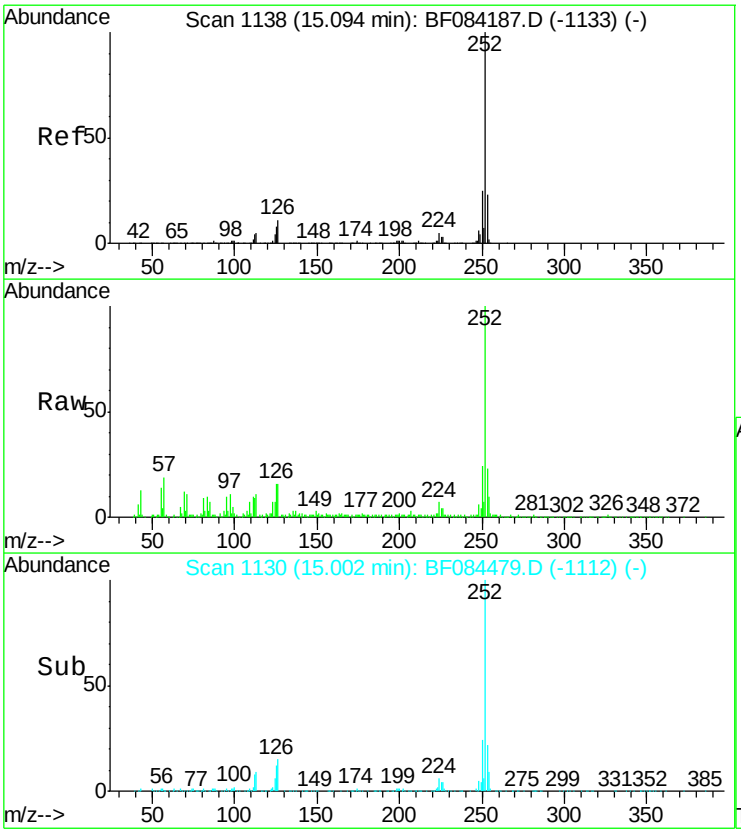
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:264 Resp: 627975

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.8	17.8	26.6

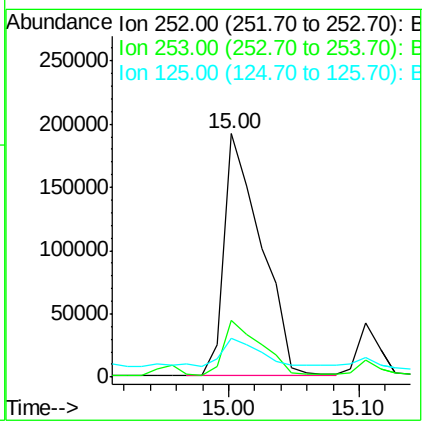


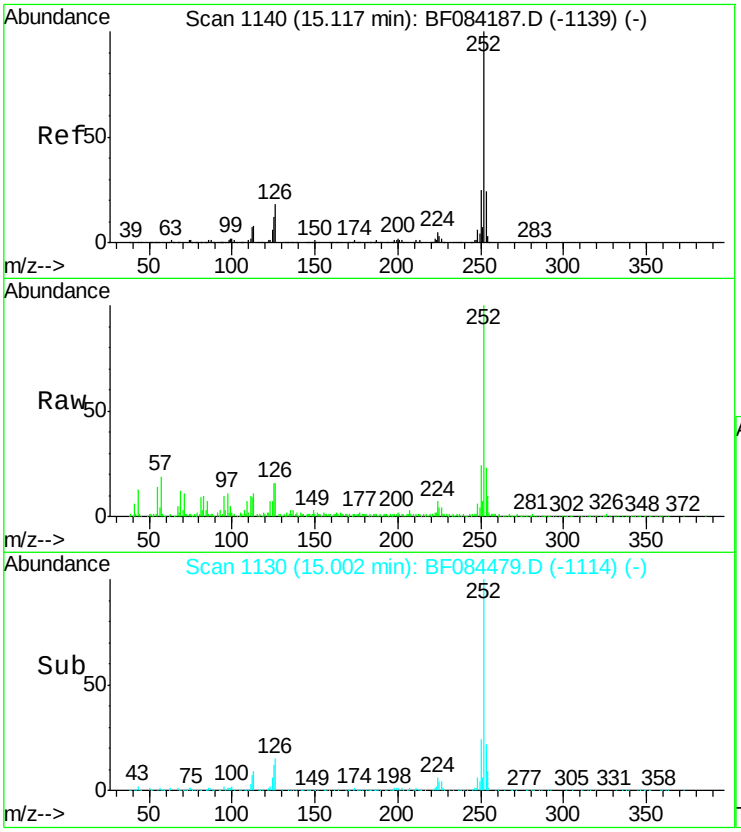


#87
Benzo(b)fluoranthene
Concen: 9.21 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.09 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:252 Resp: 378396

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	15.7	6.5	9.7#



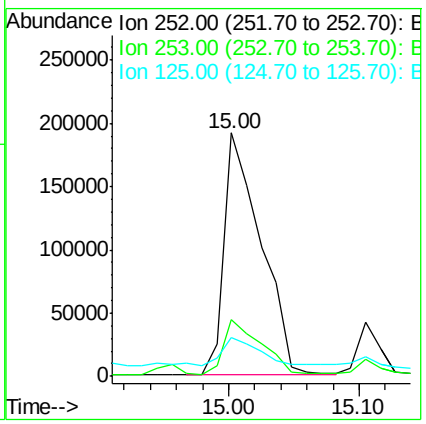


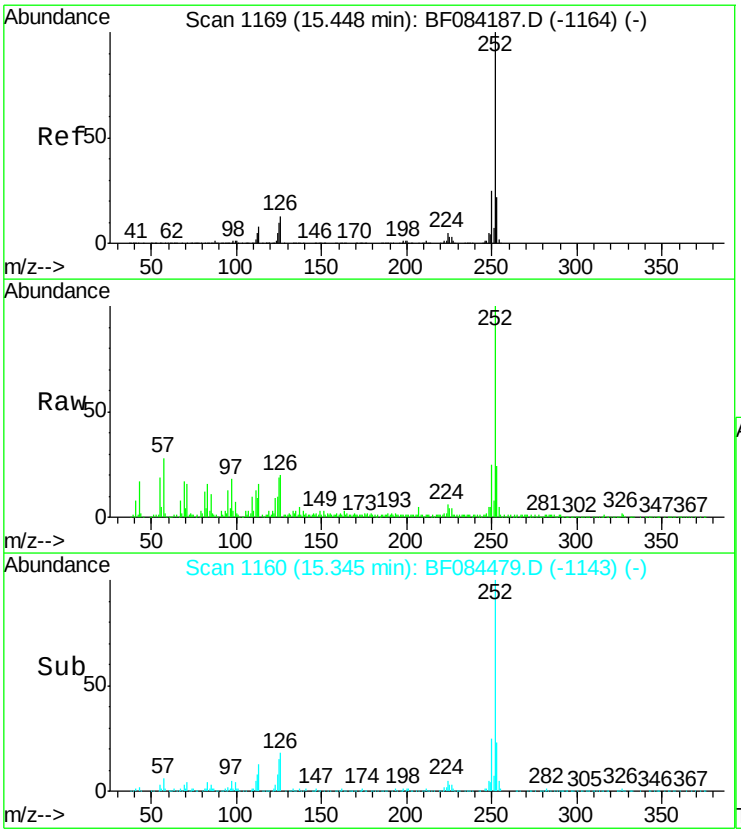
#88
Benzo(k)fluoranthene
Concen: 11.26 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.11 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:252 Resp: 378396

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.7	9.0	13.6#

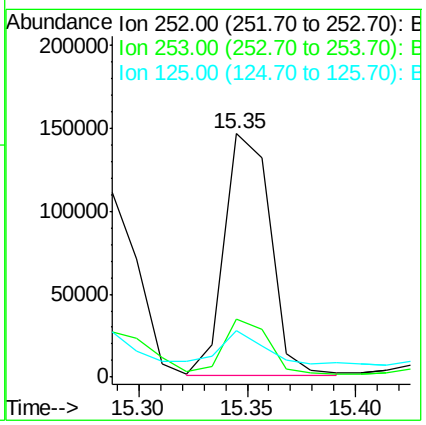


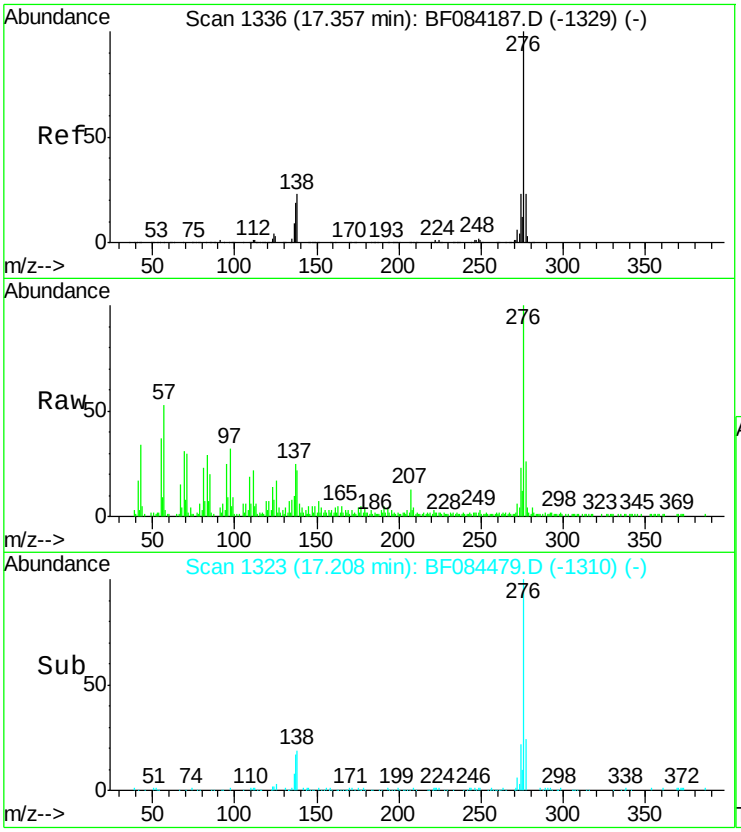


#89
Benzo(a)pyrene
Concen: 6.12 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.10 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:252 Resp: 213156

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	19.2	7.0	10.4#





#91
Benzo(g,h,i)perylene
Concen: 3.46 ng
RT: 17.21 min Scan# 1323
Delta R.T. -0.15 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tgt Ion:276 Resp: 107557

Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.8	28.2
138	22.2	17.8	26.6