Quantitation Report (QT/LSC Reviewed)

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083816.D
Acq On : 15 Dec 2015 13:49
Operator : UM/IZ
Sample : G4739-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K205-5-10

Quant Time: Dec 16 10:35:00 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	92913	20.00	ng		-0.02
21) Naphthalene-d8	8.19	136	373509	20.00	ng		-0.02
38) Acenaphthene-d10	9.94	164	218956	20.00	ng		-0.02
63) Phenanthrene-d10	11.44	188	220863	20.00	ng		-0.01
75) Chrysene-d12	14.09	240	184886	20.00	ng		0.01
86) Perylene-d12	15.53	264	185645	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	606121	105.24	ng		-0.02
7) Phenol-d6	6.53	99	764399	104.80	ng		-0.01
23) Nitrobenzene-d5	7.46	82	464967	69.65	ng		-0.02
41) 2,4,6-Tribromophenol	10.74	330	162765	72.95	ng		-0.01
44) 2-Fluorobiphenyl	9.26	172	803260	47.54	ng		-0.02
78) Terphenyl-d14	13.03	244	531936	61.89	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.54	94	17495	2.08	ng		88
31) Naphthalene	8.21	128	575528	29.56	ng	#	90
37) 2-Methylnaphthalene	8.91	142	396089	32.40	ng		95
45) 1,1'-Biphenyl	9.37	154	124610	6.42	ng		97
48) Acenaphthylene	9.81	152	1034730	42.93	ng	#	95
49) Dimethylphthalate	9.66	163	121060	7.09	ng	#	61
51) Acenaphthene	9.97	154	158291	10.86	ng		95
57) Fluorene	10.50	166	807015m	53.09	ng		
70) Phenanthrene	11.47	178	3026235	257.93	ng		95
71) Anthracene	11.52	178	1519565	124.70	ng		98
74) Fluoranthene	12.68	202	1586780	130.89	ng		96
77) Pyrene	12.91	202	2415083m	165.27	ng		
80) Benzo(a)anthracene	14.08	228	1687819	160.54	ng		95
82) Chrysene	14.11	228	1543513m	150.53	ng		
85) Indeno(1,2,3-cd)pyrene	16.95	276	271463	26.96	ng	#	100
87) Benzo(b)fluoranthene	15.12	252	746720m	63.05	ng		
88) Benzo(k)fluoranthene	15.12	252	402225m	37.48	ng		
89) Benzo(a)pyrene	15.47	252	784472	74.23	ng		97
90) Dibenzo(a,h)anthracene	16.96	278	104979	9.99	ng	#	89
91) Benzo(g,h,i)perylene	17.38	276	277299	25.67	ng		99

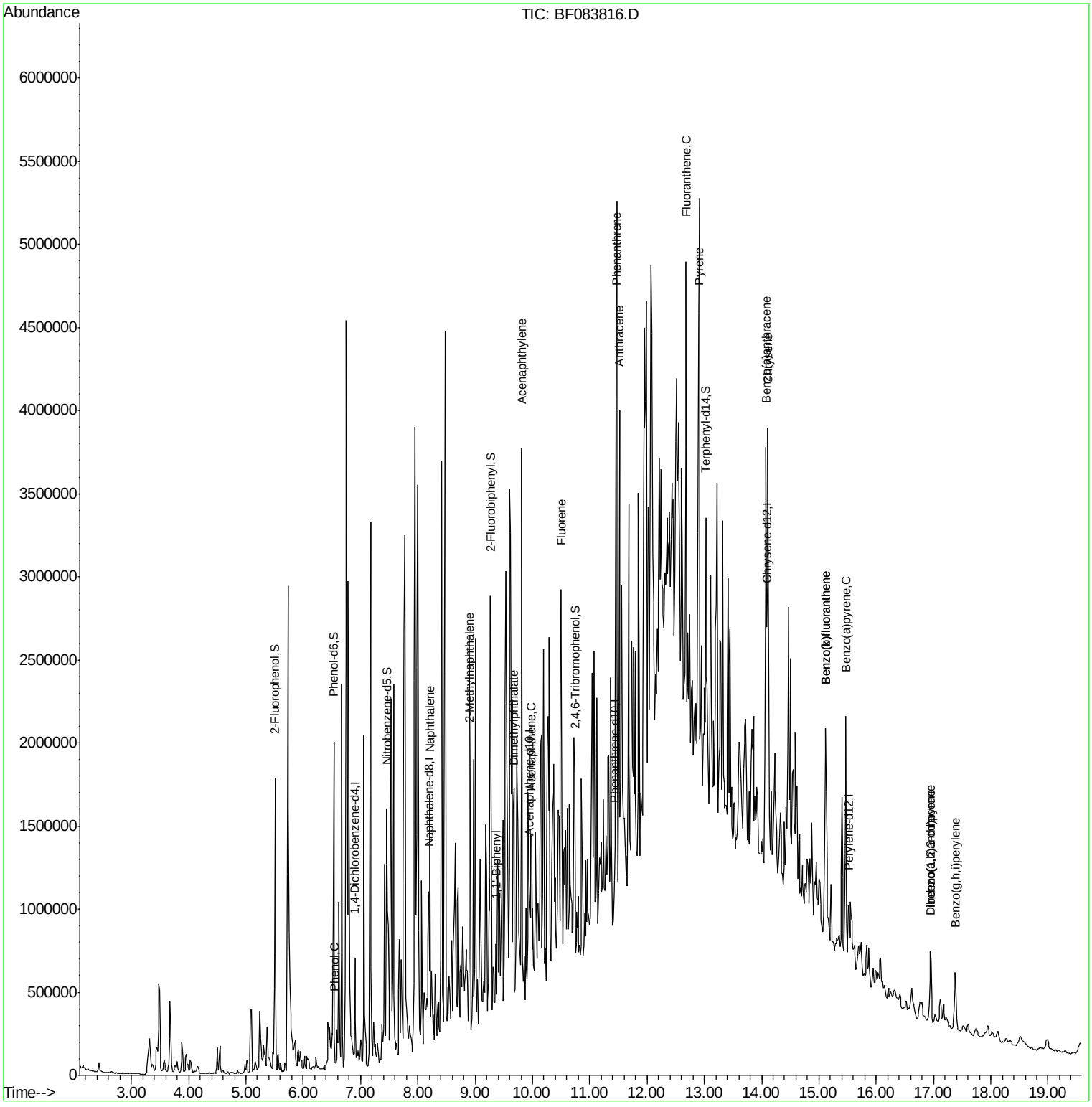
(#) = qualifier out of range (m) = manual integration (+) = signals summed

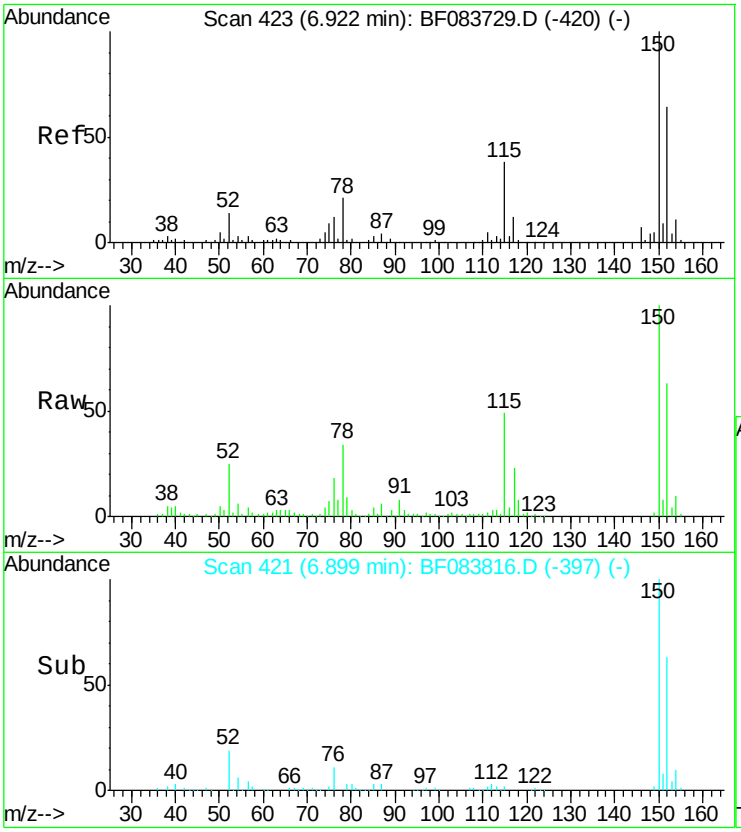
Quantitation Report (QT/LSC Reviewed)

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083816.D
Acq On : 15 Dec 2015 13:49
Operator : UM/IZ
Sample : G4739-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Quant Time: Dec 16 10:35:00 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration



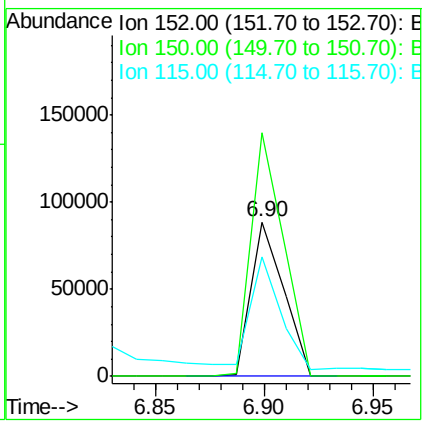


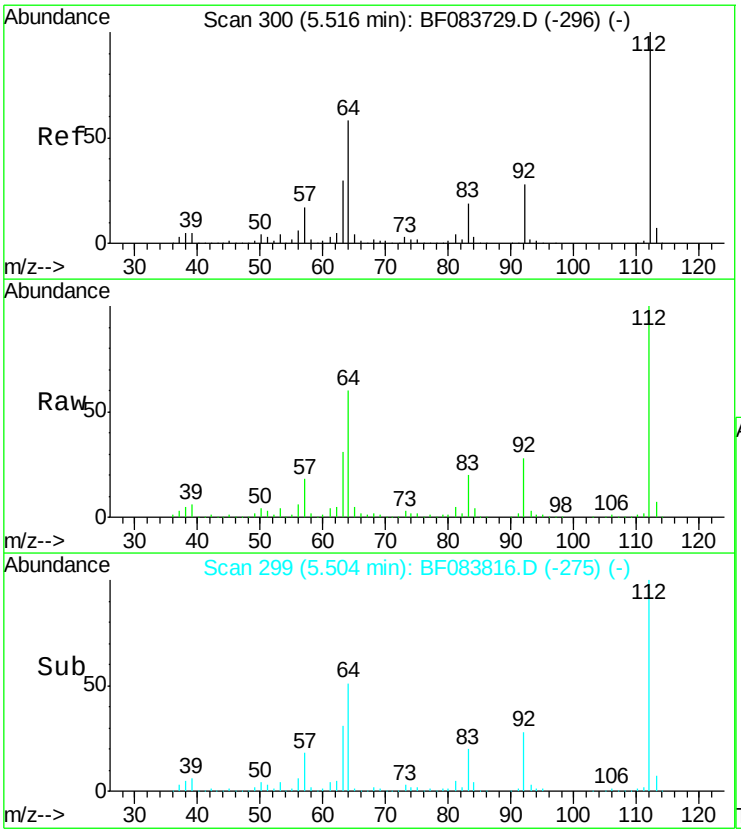
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:152 Resp: 92913

Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.5	189.7
115	77.8	52.3	78.5

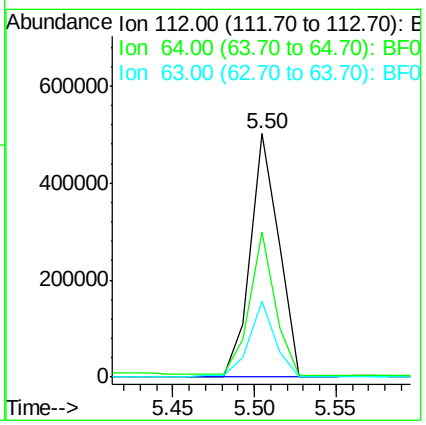


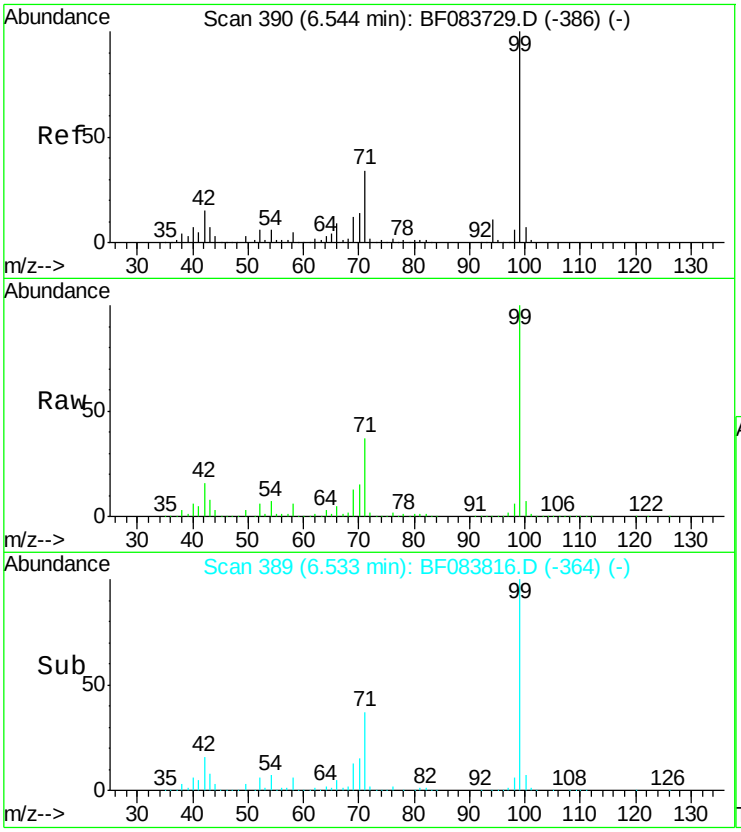


#5
2-Fluorophenol
Concen: 105.24 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:112 Resp: 606121

Ion	Ratio	Lower	Upper
112	100		
64	59.6	50.5	75.7
63	31.0	25.8	38.6



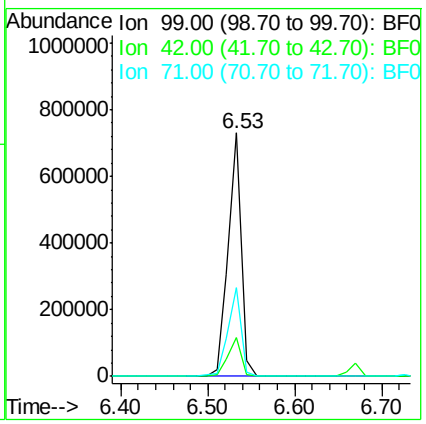


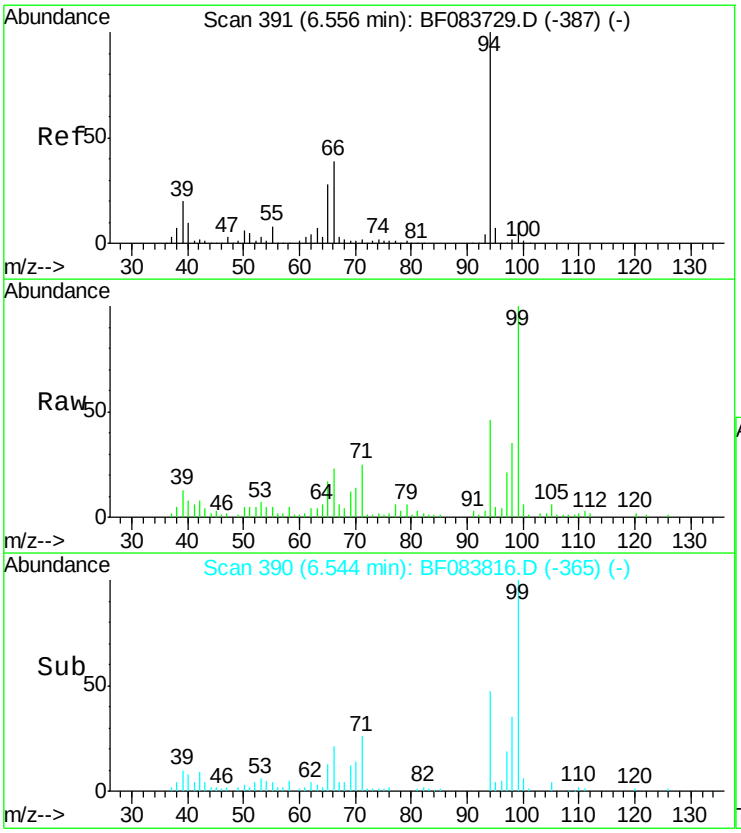
#7
Phenol-d6
Concen: 104.80 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion: 99 Resp: 764399

Ion	Ratio	Lower	Upper
99	100		
42	15.8	17.3	25.9#
71	36.6	26.6	40.0

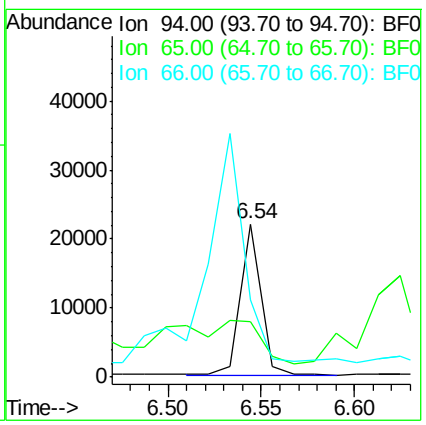


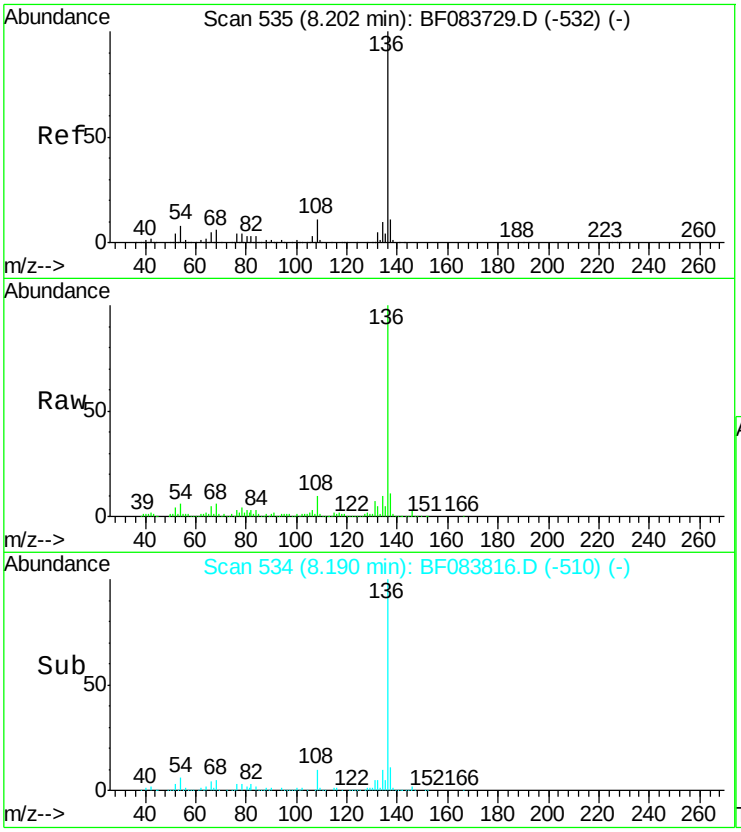


#10
Phenol
Concen: 2.08 ng
RT: 6.54 min Scan# 390
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion: 94 Resp: 17495

Ion	Ratio	Lower	Upper
94	100		
65	36.0	20.9	60.9
66	50.3	41.6	81.6



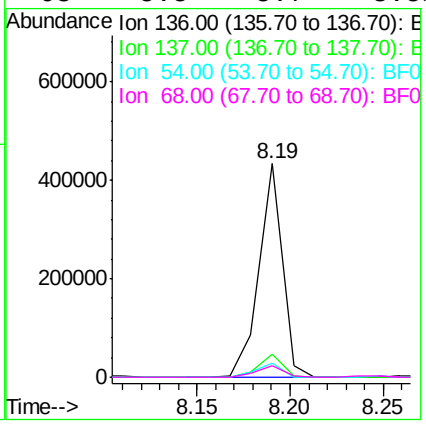


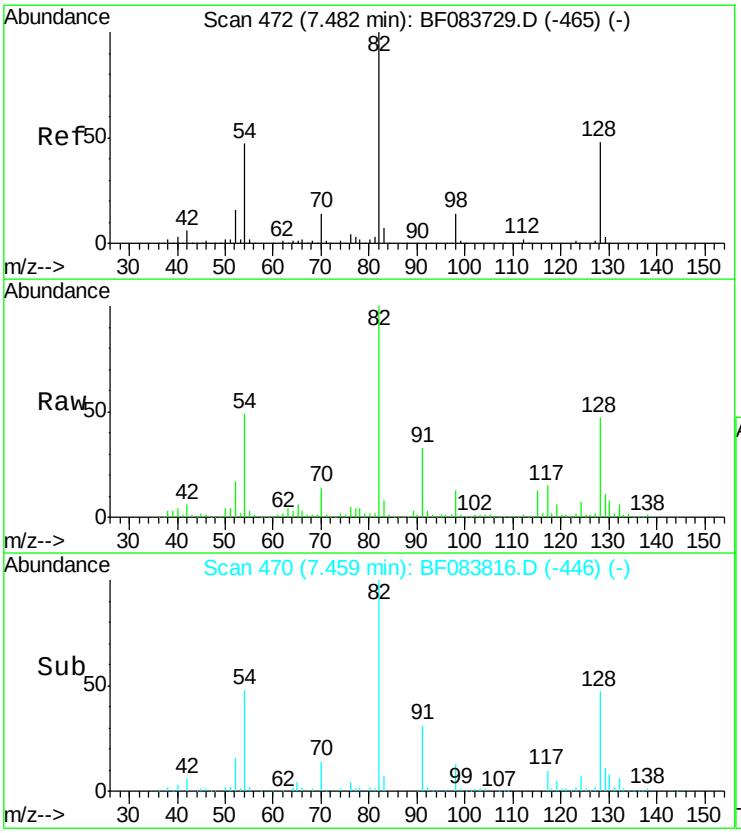
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:136 Resp: 373509

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.3	7.8	11.6#
68	5.5	5.7	8.5#

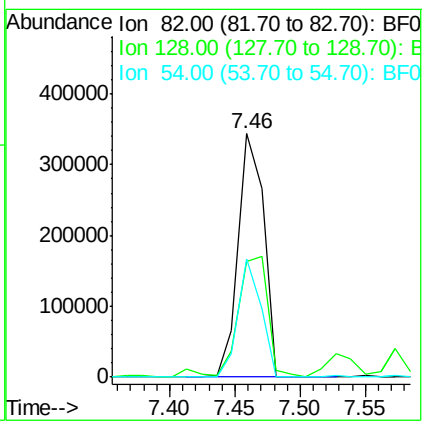


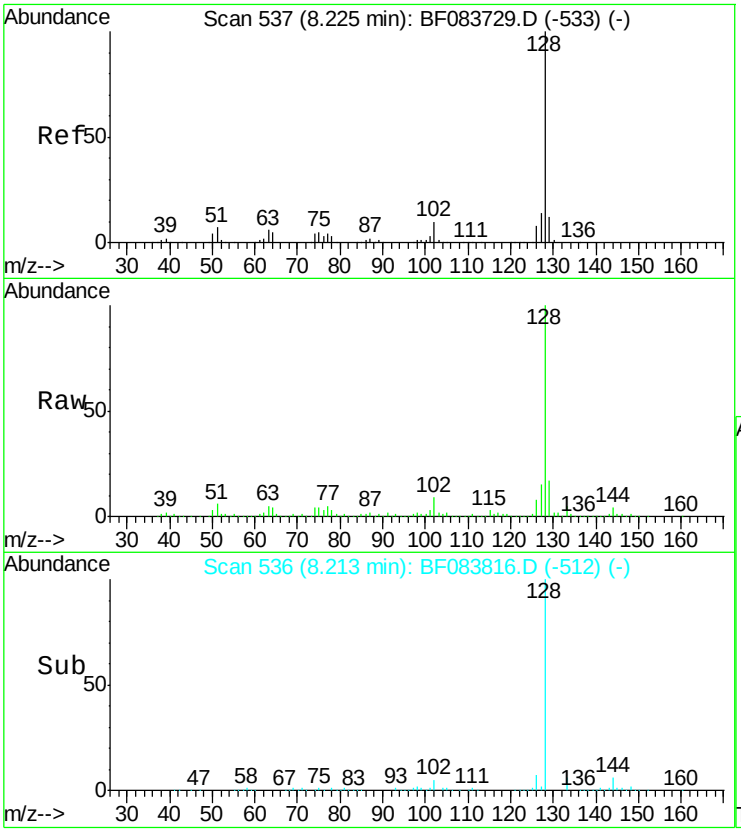


#23
Nitrobenzene-d5
Concen: 69.65 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion: 82 Resp: 464967

Ion	Ratio	Lower	Upper
82	100		
128	47.4	30.7	46.1#
54	48.6	42.5	63.7



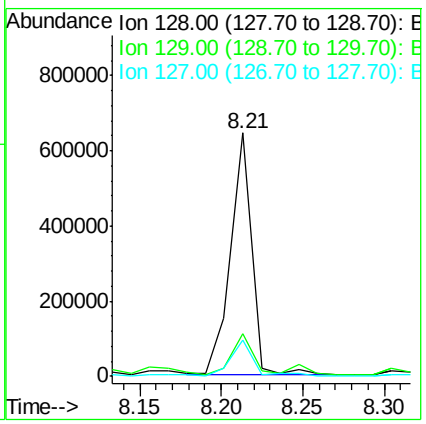


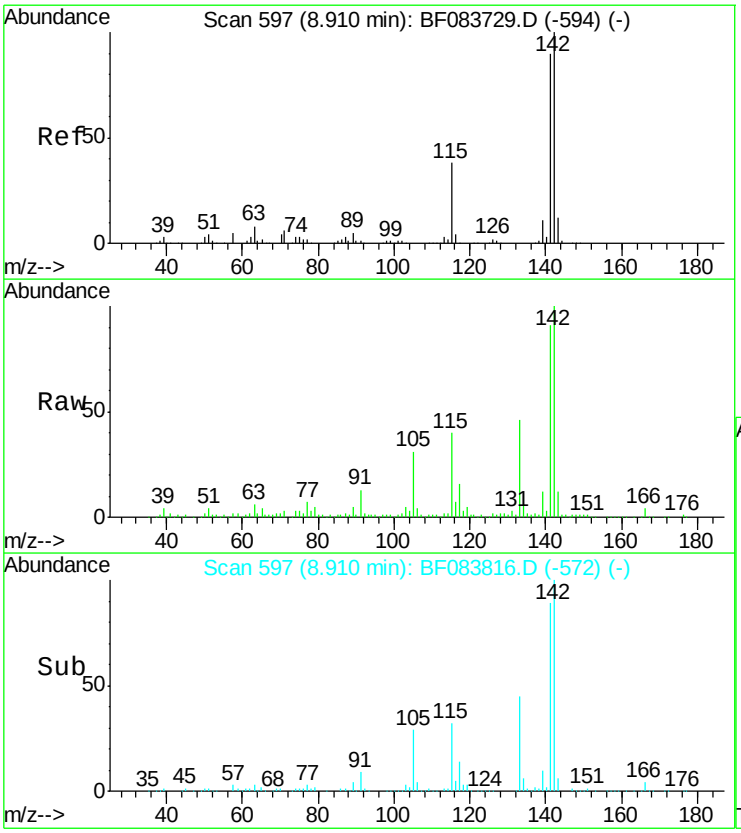
#31
Naphthalene
Concen: 29.56 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:128 Resp: 575528

Ion	Ratio	Lower	Upper
128	100		
129	17.5	8.6	13.0#
127	14.8	10.6	16.0

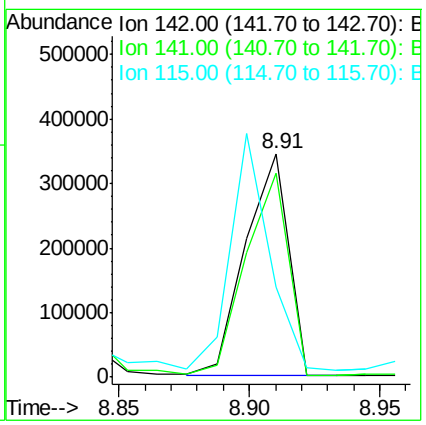


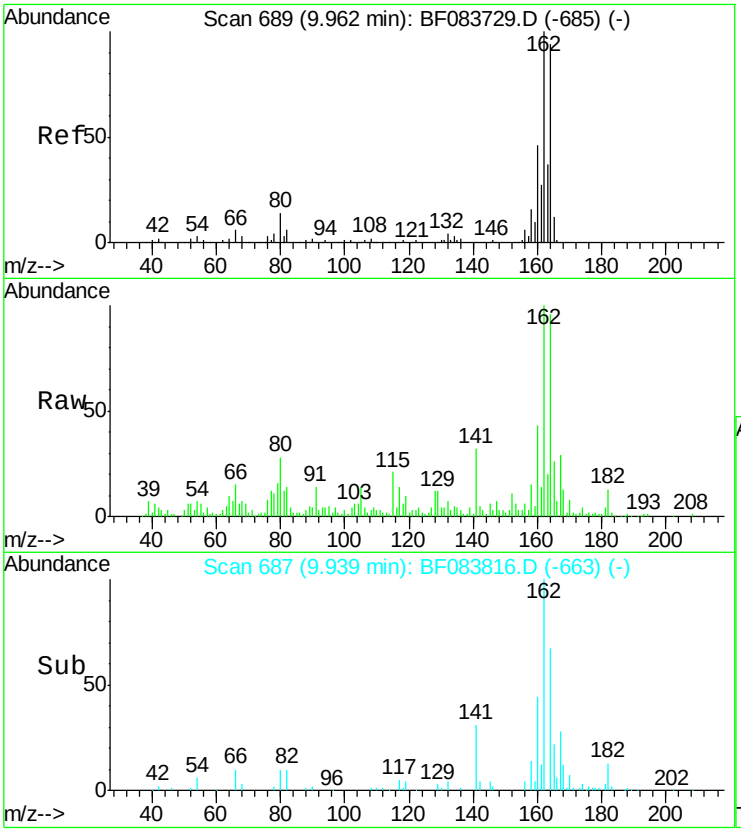


#37
2-Methylnaphthalene
Concen: 32.40 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:142 Resp: 396089

Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.3	105.5
115	40.4	29.2	43.8



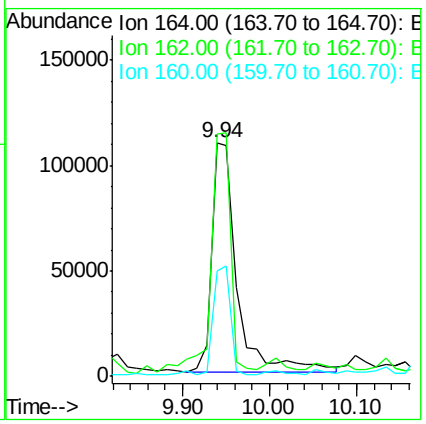


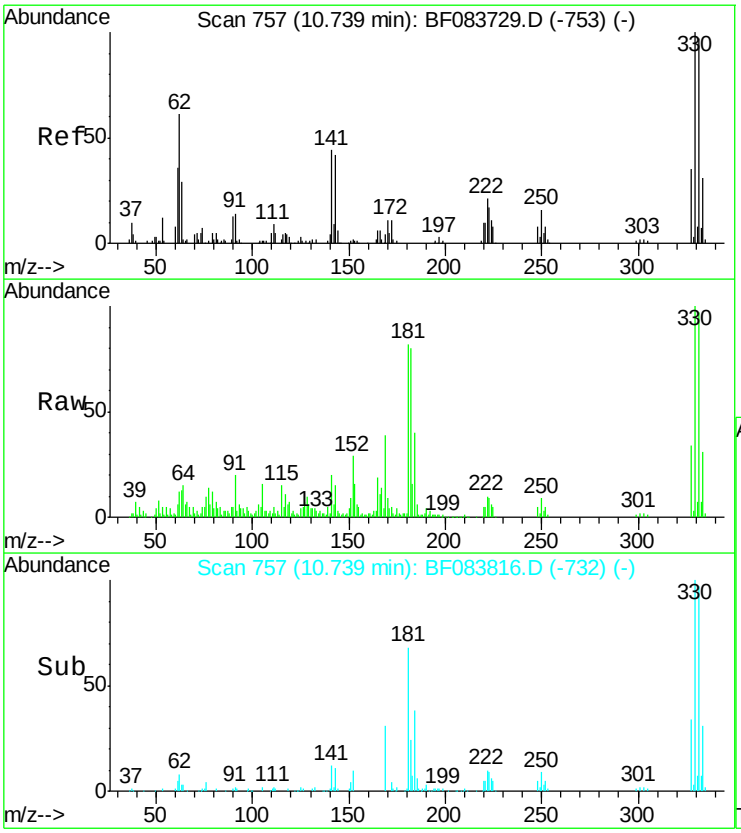
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:164 Resp: 218956

Ion	Ratio	Lower	Upper
164	100		
162	104.0	78.8	118.2
160	45.2	33.4	50.2

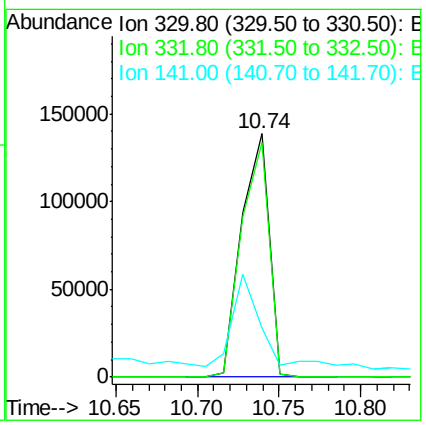


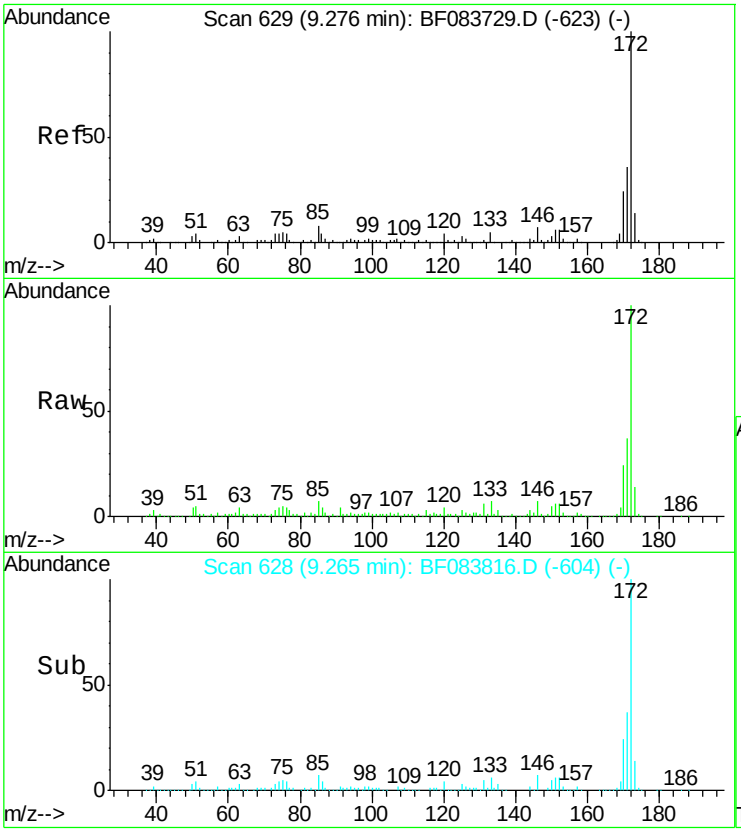


#41
2,4,6-Tribromophenol
Concen: 72.95 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:330 Resp: 162765

Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	42.0	0.0	0.0#



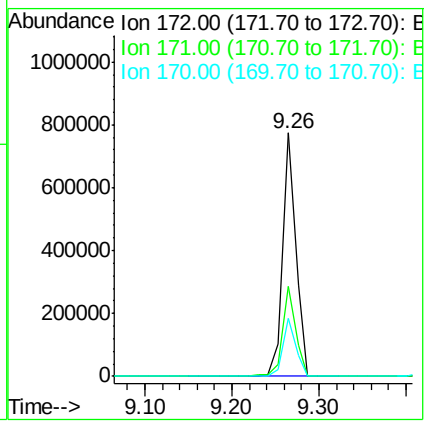


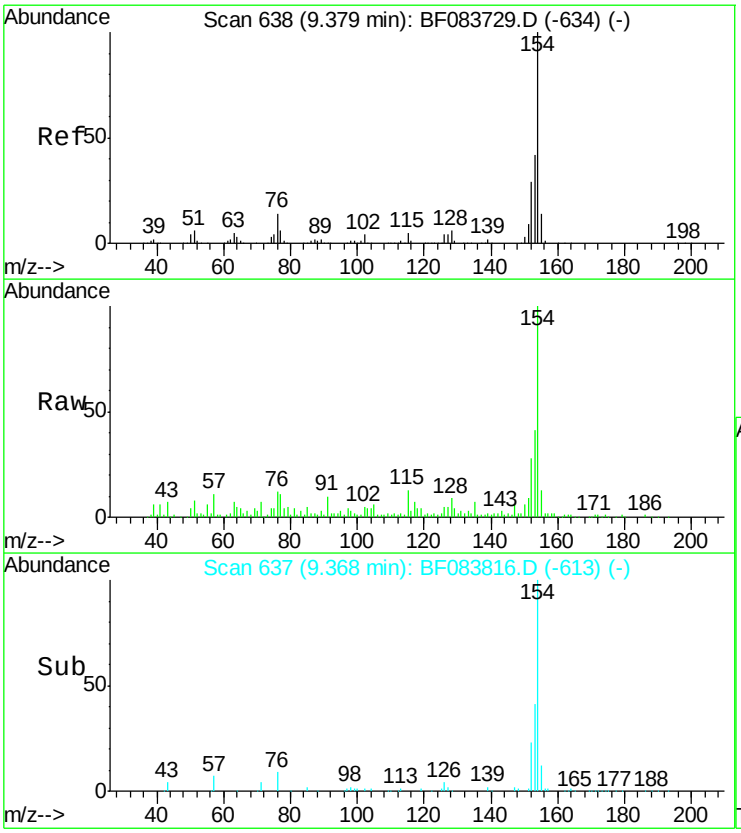
#44
2-Fluorobiphenyl
Concen: 47.54 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:172 Resp: 803260

Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.6	42.8
170	24.1	19.4	29.0

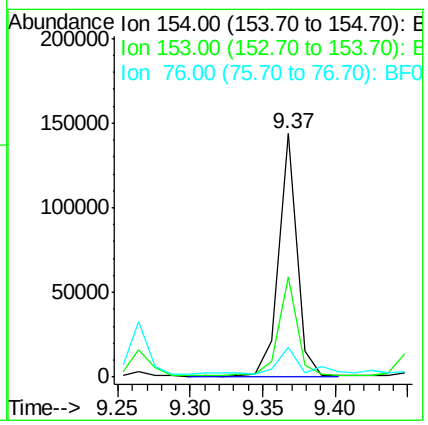


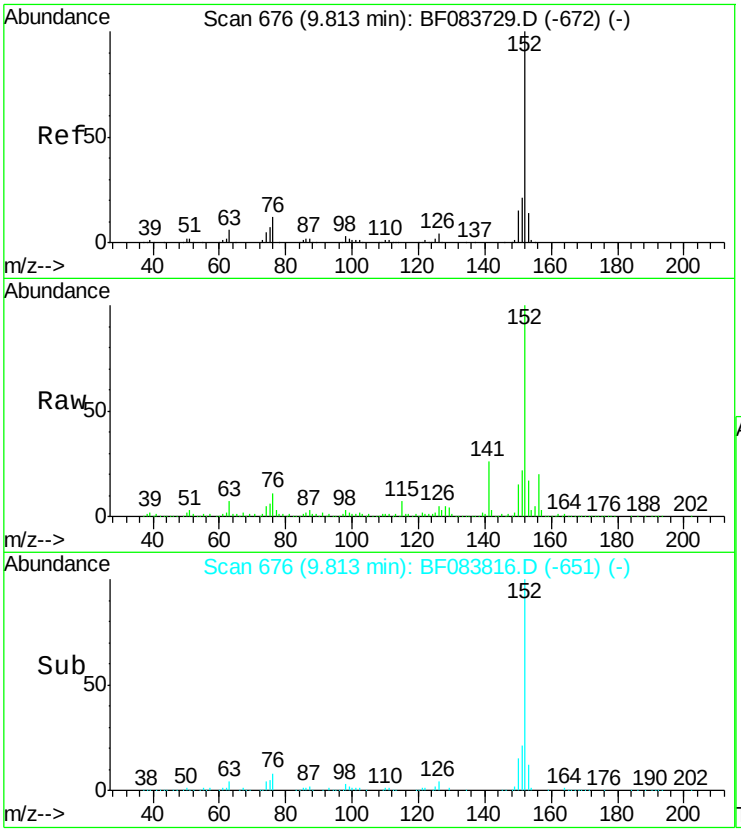


#45
1,1'-Biphenyl
Concen: 6.42 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:154 Resp: 124610

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.2	60.2
76	12.1	0.0	34.8



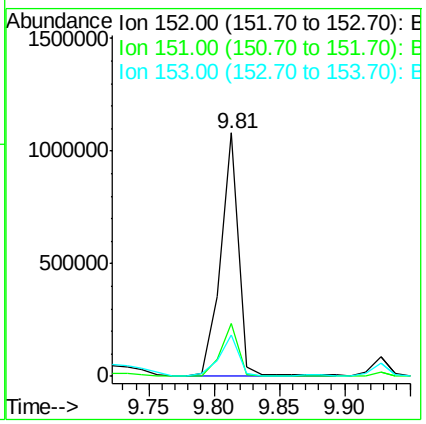


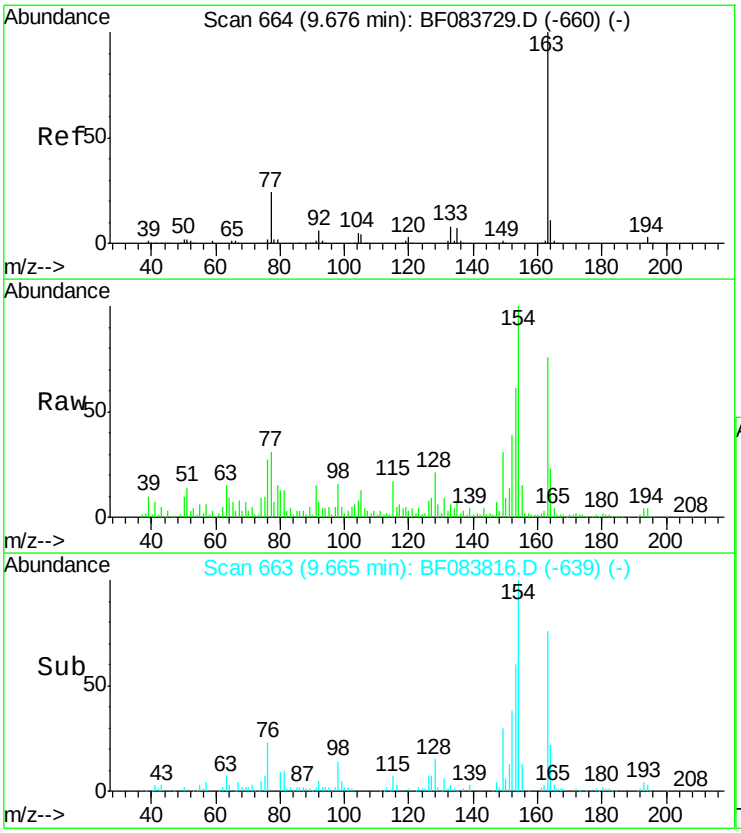
#48
Acenaphthylene
Concen: 42.93 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:152 Resp: 1034730

Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.3	24.5
153	16.8	10.8	16.2#

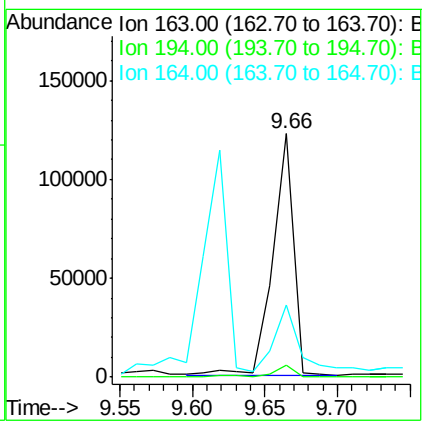


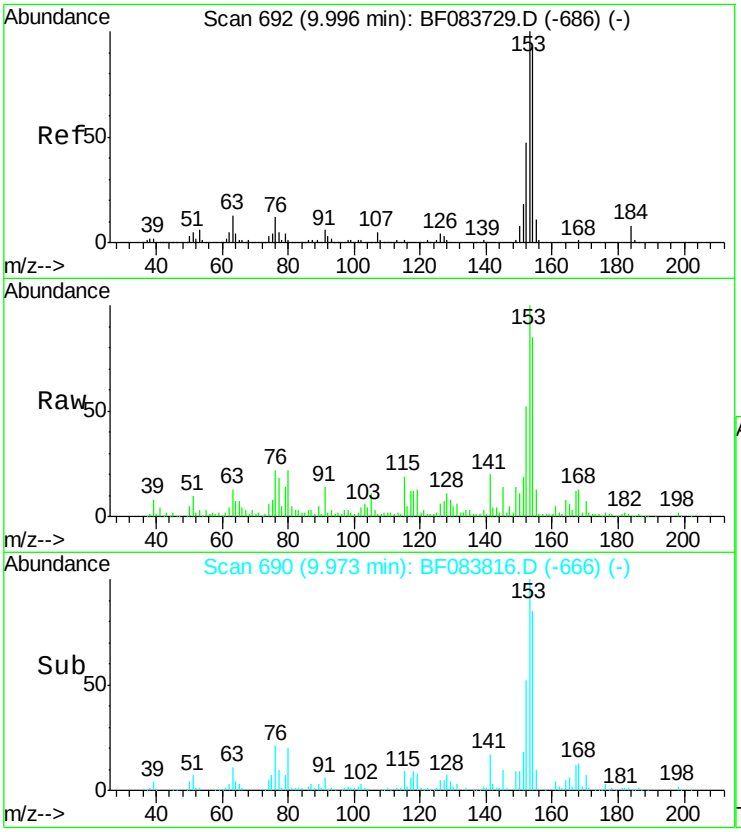


#49
Dimethylphthalate
Concen: 7.09 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:163 Resp: 121060

Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.8	4.2#
164	29.8	8.6	13.0#



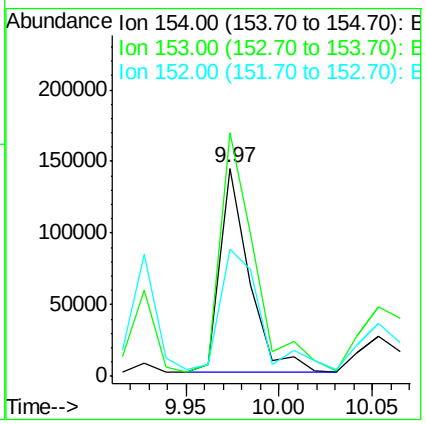


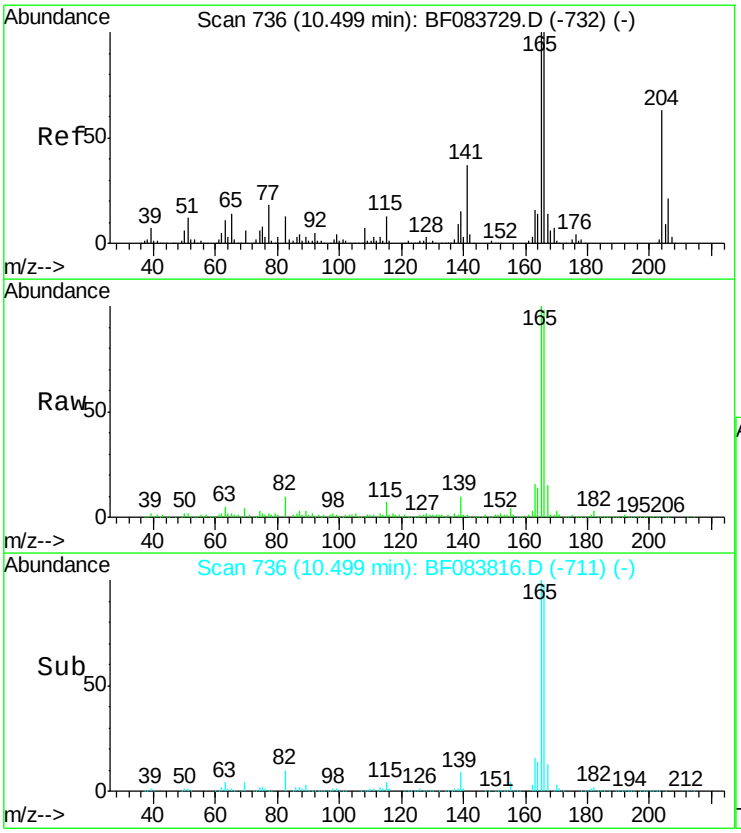
#51
Acenaphthene
Concen: 10.86 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:154 Resp: 158291

Ion	Ratio	Lower	Upper
154	100		
153	117.1	91.4	137.0
152	61.4	43.4	65.2

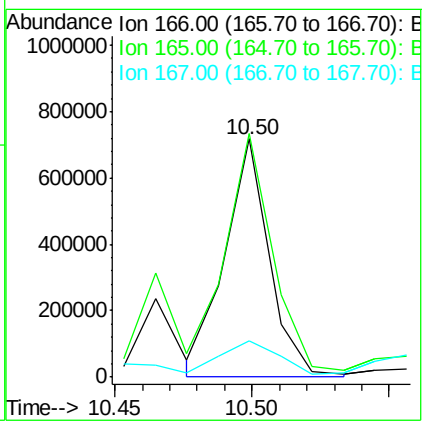


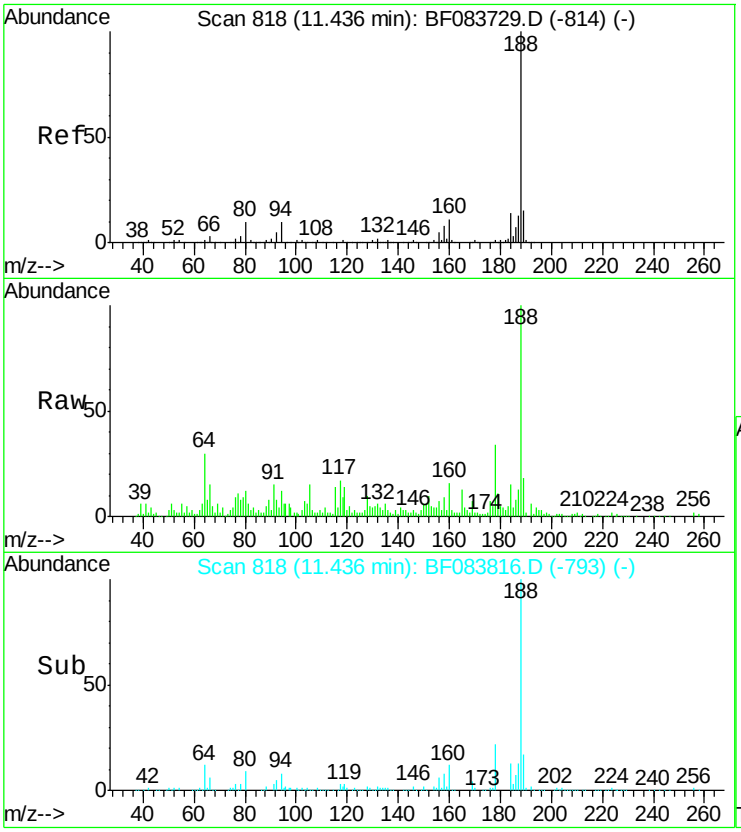


#57
Fluorene
Concen: 53.09 ng m
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:166 Resp: 807015

Ion	Ratio	Lower	Upper
166	100		
165	102.2	80.0	120.0
167	15.2	10.6	16.0



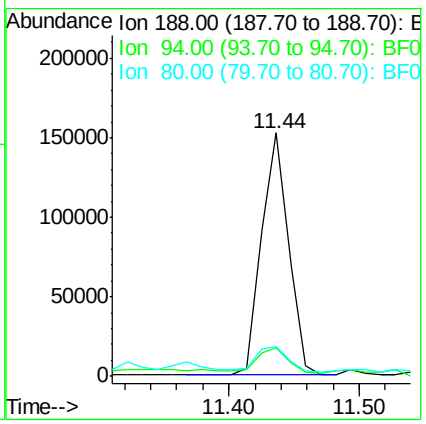


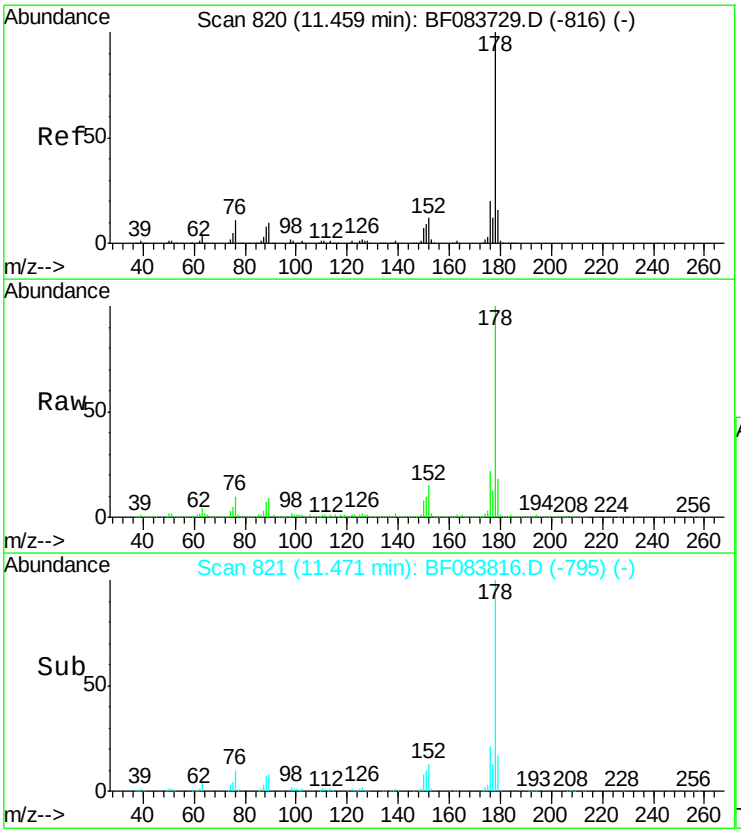
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:188 Resp: 220863

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.4	10.6	16.0

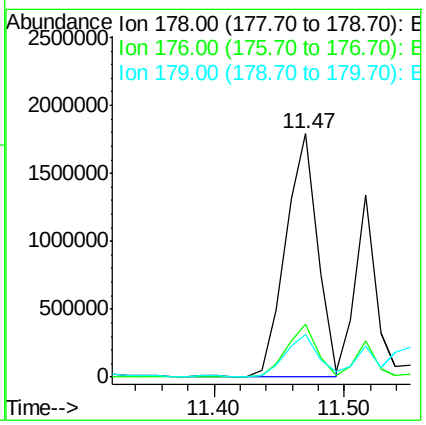


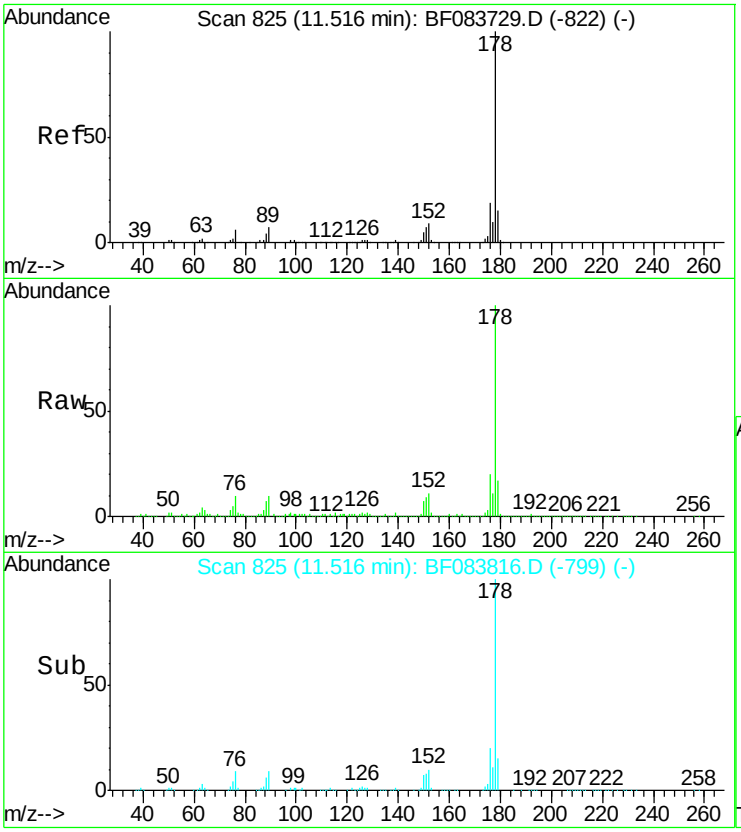


#70
Phenanthrene
Concen: 257.93 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:178 Resp: 3026235

Ion	Ratio	Lower	Upper
178	100		
176	21.6	15.7	23.5
179	17.6	12.2	18.4



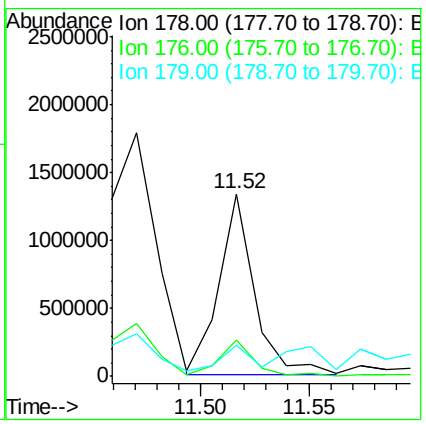


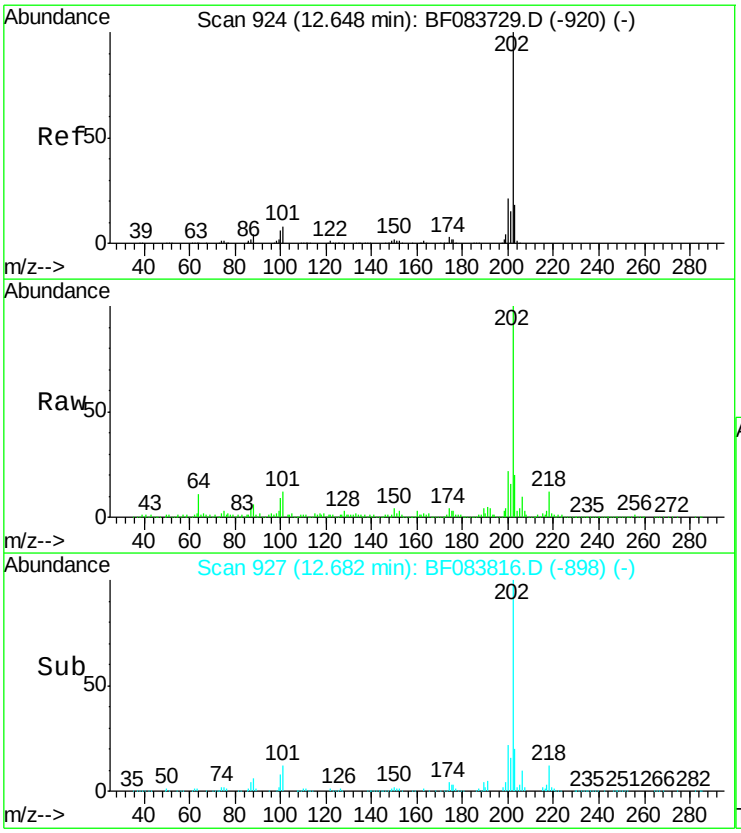
#71
Anthracene
Concen: 124.70 ng
RT: 11.52 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:178 Resp: 1519565

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.2	22.8
179	16.9	12.6	18.8

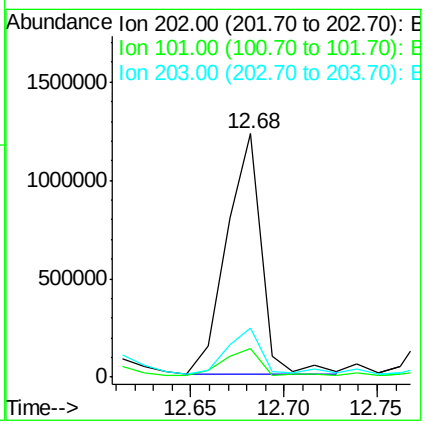


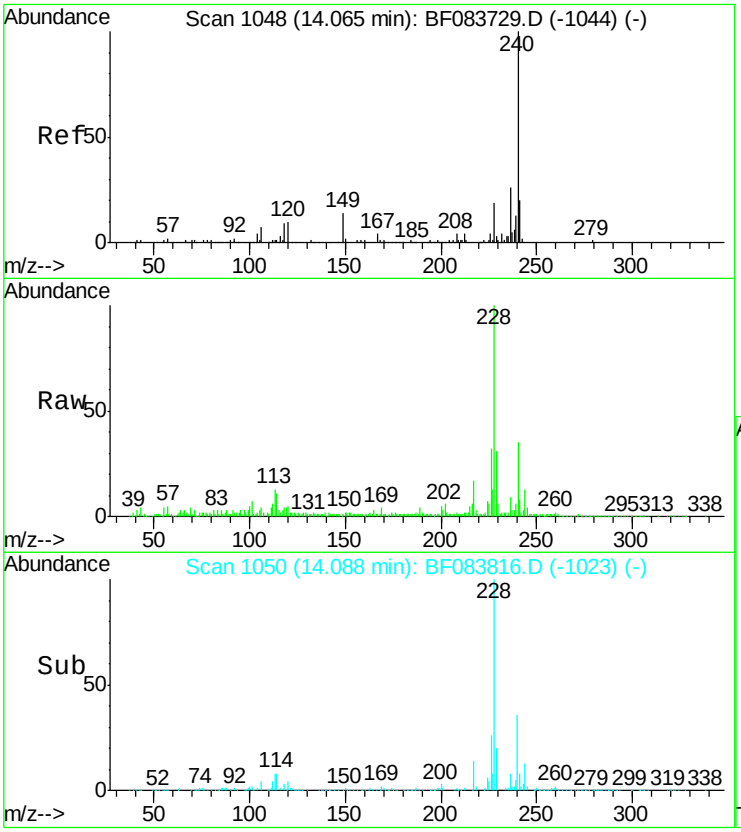


#74
Fluoranthene
Concen: 130.89 ng
RT: 12.68 min Scan# 927
Delta R.T. 0.03 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:202 Resp: 1586780

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.5
203	20.3	0.0	37.6



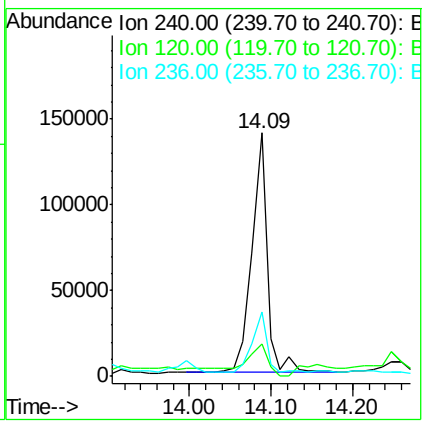


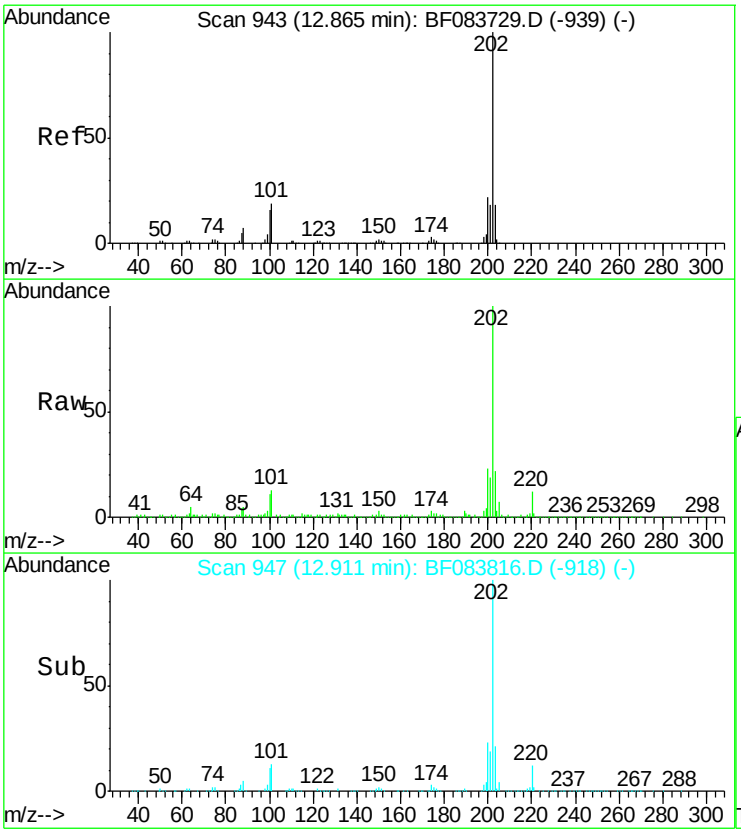
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:240 Resp: 184886

Ion	Ratio	Lower	Upper
240	100		
120	13.6	8.1	12.1#
236	26.7	20.8	31.2

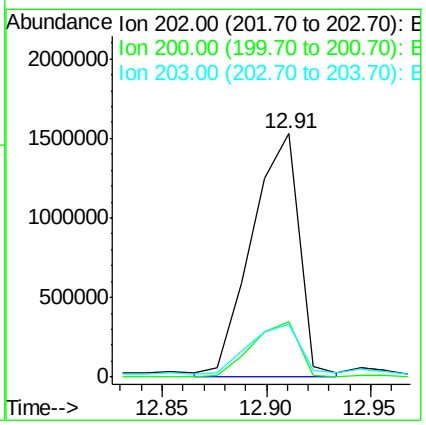


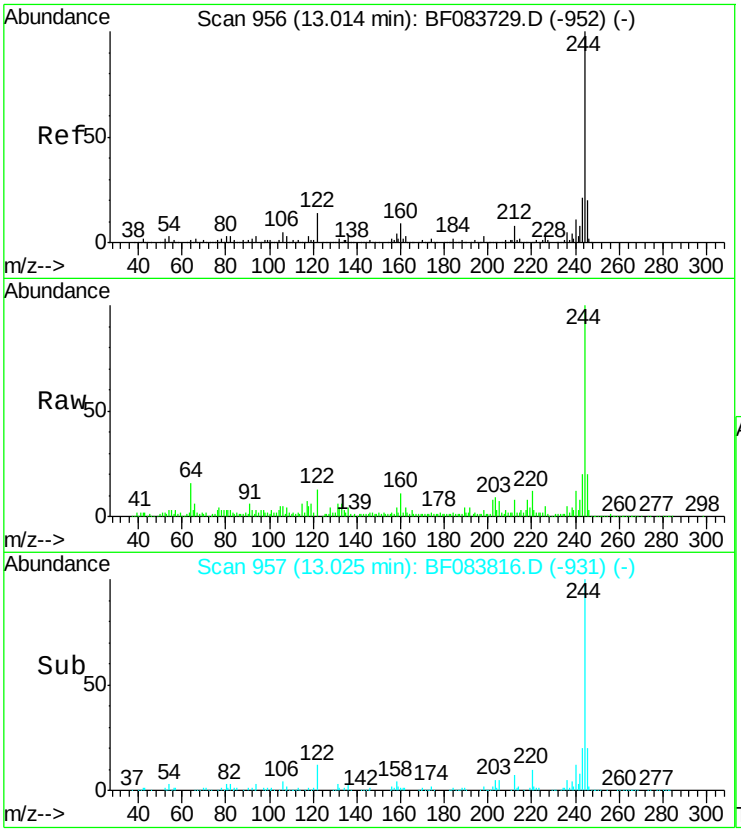


#77
Pyrene
Concen: 165.27 ng m
RT: 12.91 min Scan# 947
Delta R.T. 0.03 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:202 Resp: 2415083

Ion	Ratio	Lower	Upper
202	100		
200	22.8	16.7	25.1
203	21.5	14.3	21.5#



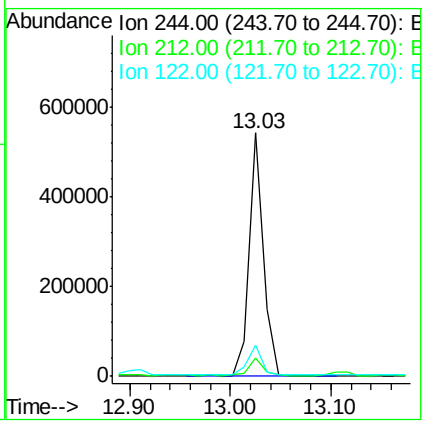


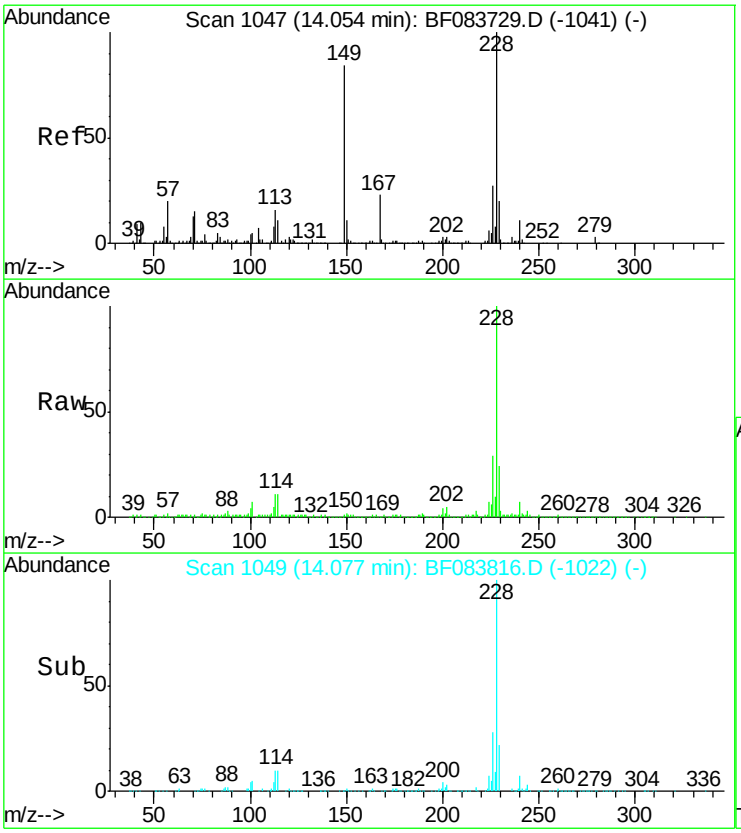
#78
Terphenyl-d14
Concen: 61.89 ng
RT: 13.03 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:244 Resp: 531936

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	12.8	11.0	16.6

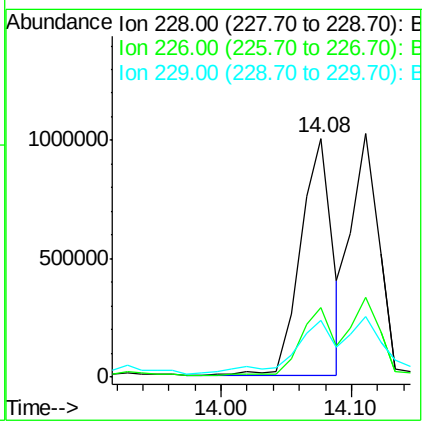


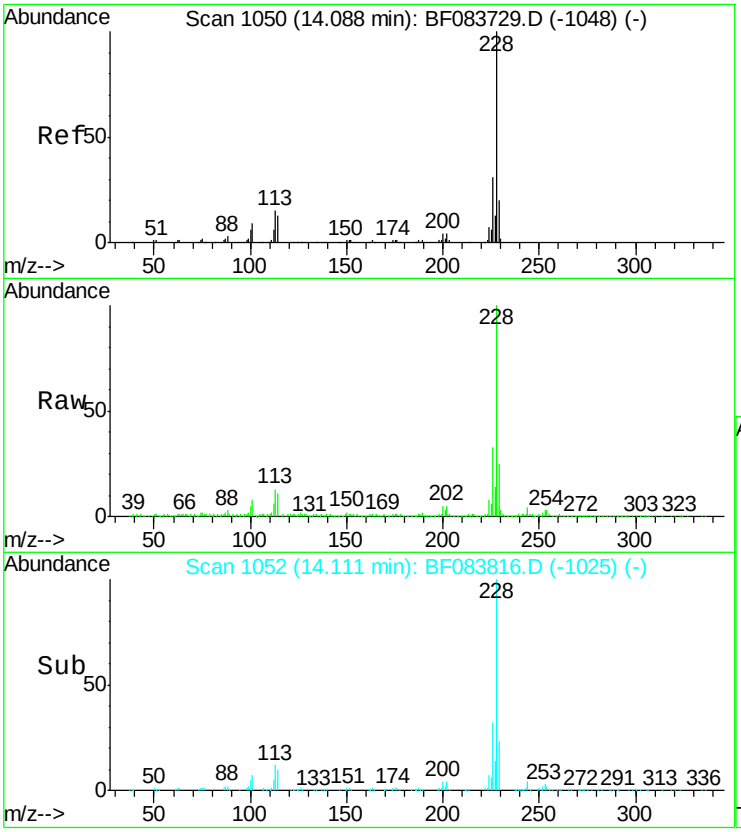


#80
Benzo(a)anthracene
Concen: 160.54 ng
RT: 14.08 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:228 Resp: 1687819

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	23.5	15.7	23.5



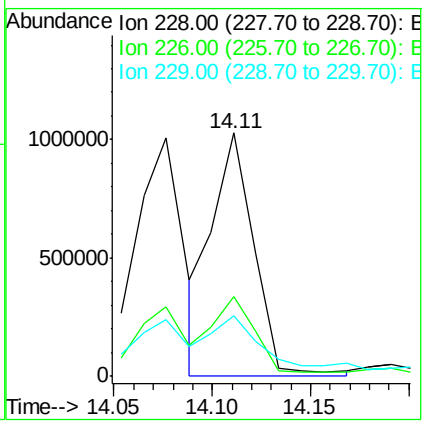


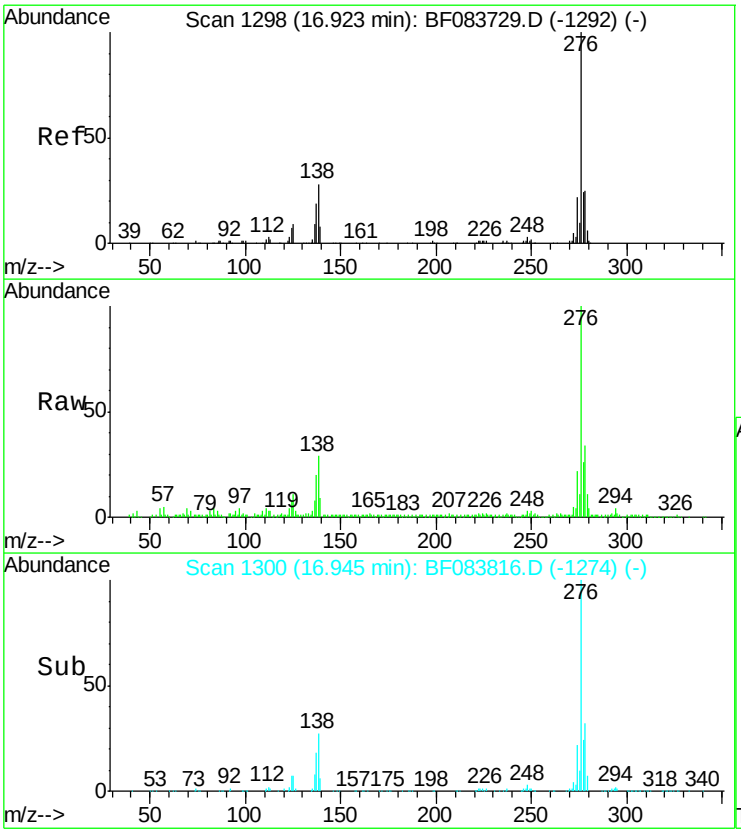
#82
Chrysene
Concen: 150.53 ng m
RT: 14.11 min Scan# 1052
Delta R.T. 0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:228 Resp: 1543513

Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.7	37.1
229	25.0	16.3	24.5#

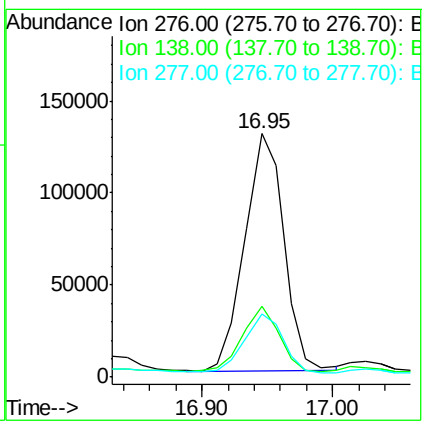


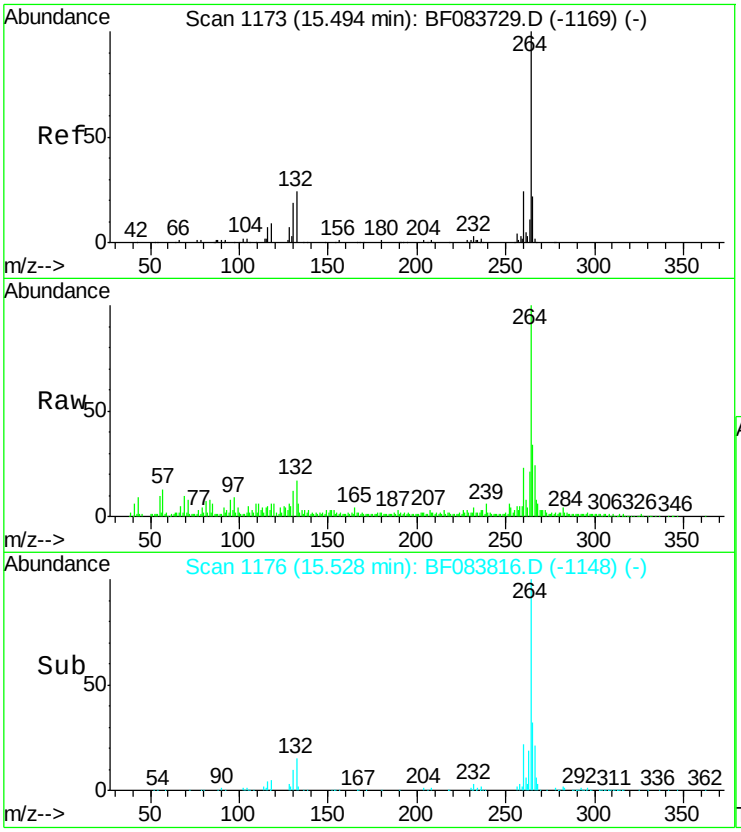


#85
Indeno(1,2,3-cd)pyrene
Concen: 26.96 ng
RT: 16.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:276 Resp: 271463

Ion	Ratio	Lower	Upper
276	100		
138	25.8	0.0	0.0#
277	24.3	0.0	0.0#



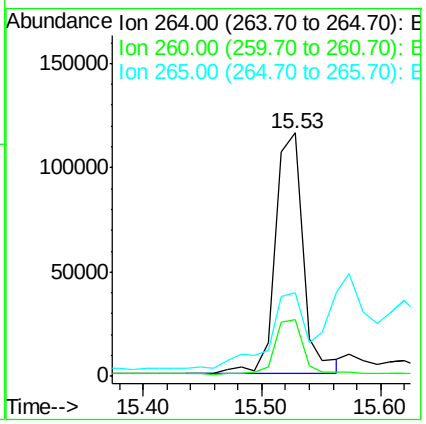


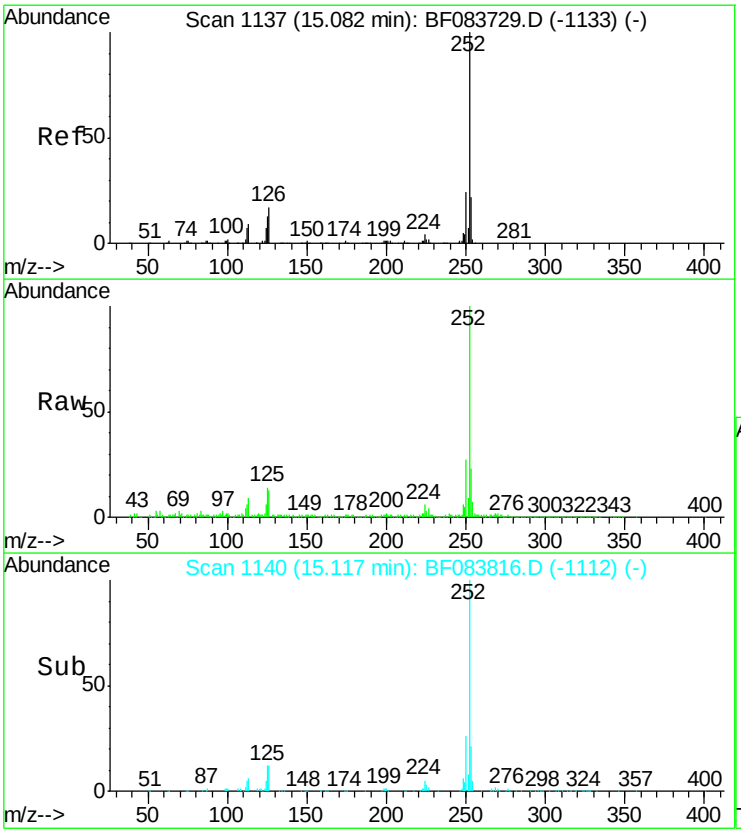
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. 0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:264 Resp: 185645

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	34.1	17.8	26.6#

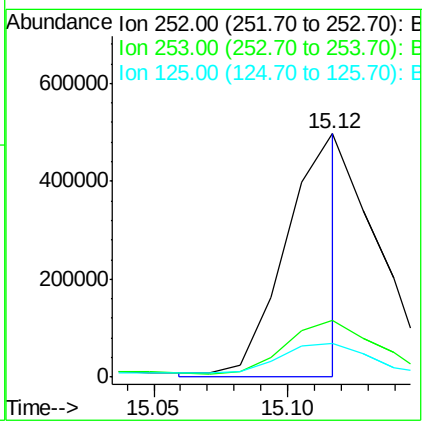


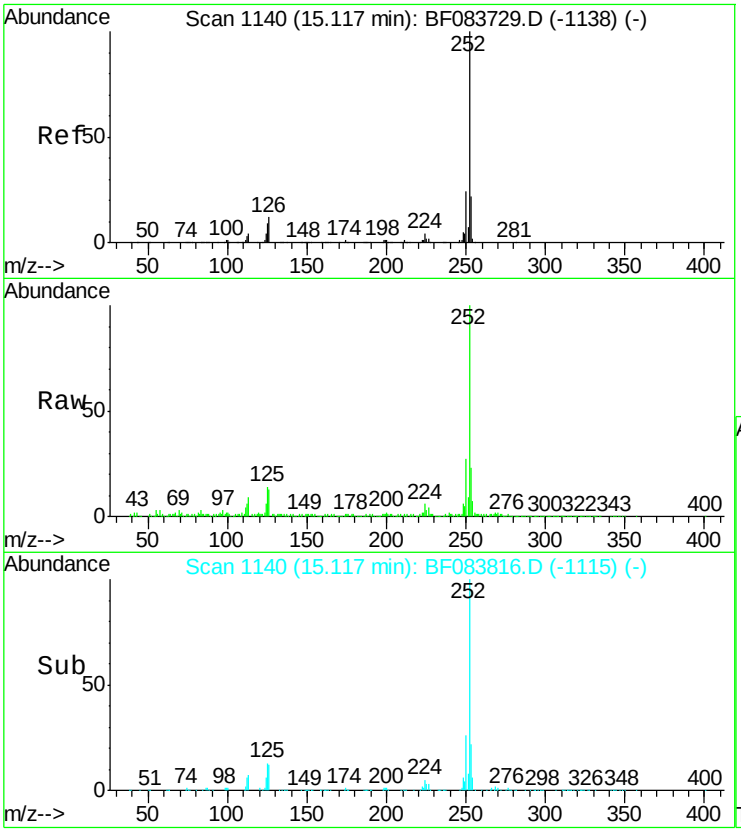


#87
Benzo(b)fluoranthene
Concen: 63.05 ng m
RT: 15.12 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:252 Resp: 746720

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	14.0	8.2	12.4#



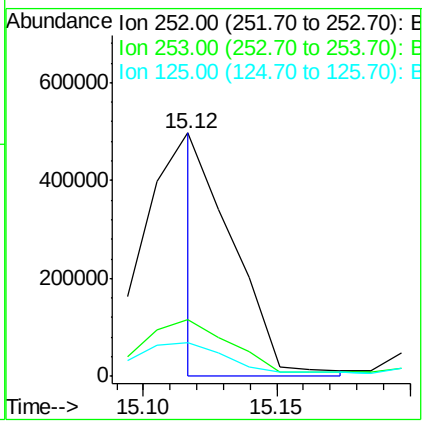


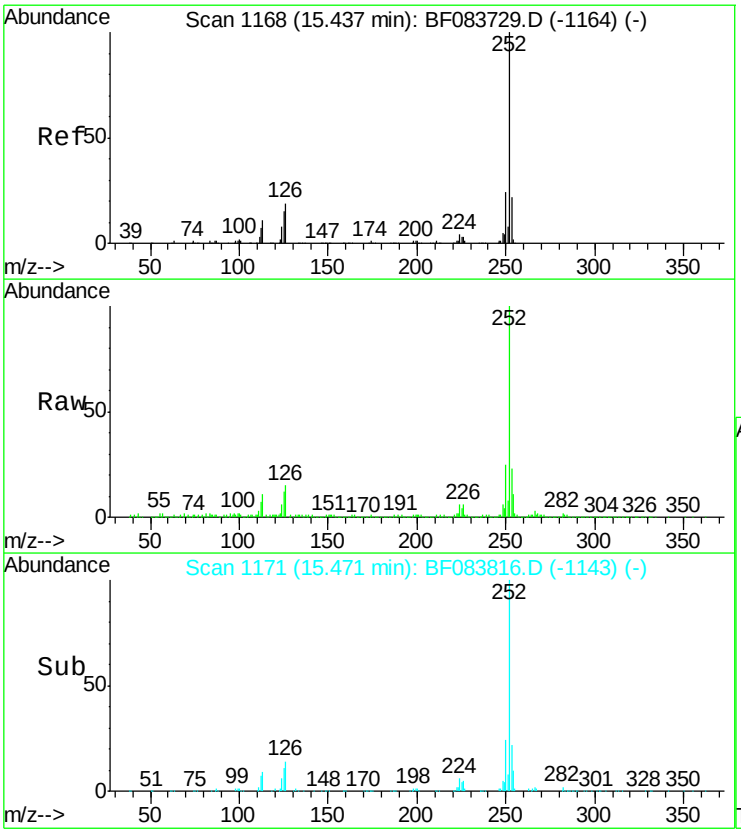
#88
Benzo(k)fluoranthene
Concen: 37.48 ng m
RT: 15.12 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:252 Resp: 402225

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	14.0	11.5	17.3

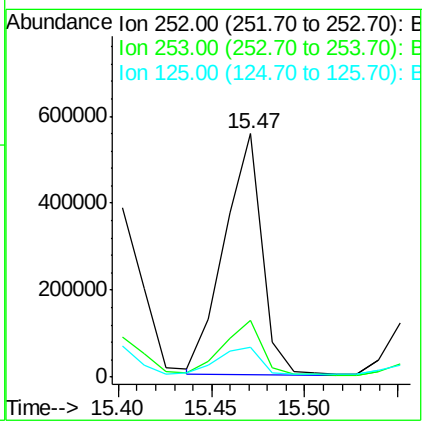


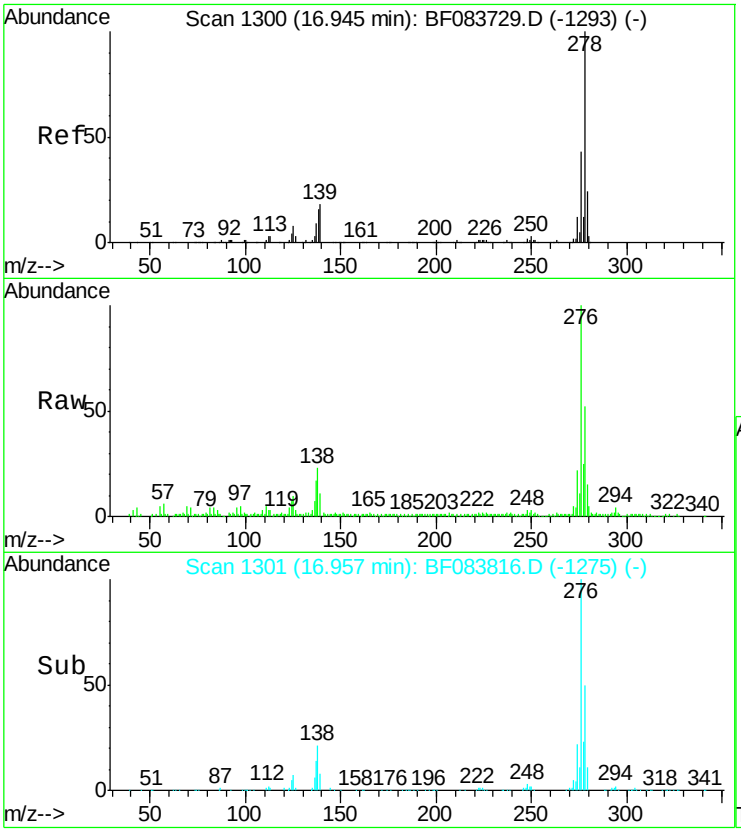


#89
Benzo(a)pyrene
Concen: 74.23 ng
RT: 15.47 min Scan# 1171
Delta R.T. 0.02 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:252 Resp: 784472

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.2	11.0	16.6



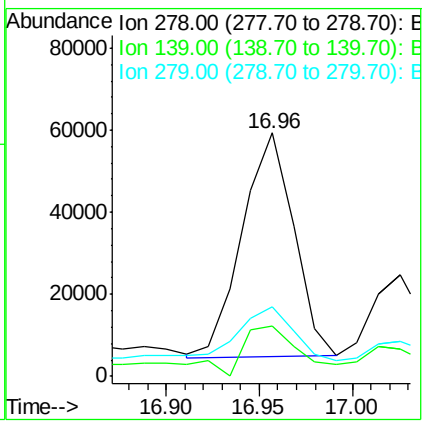


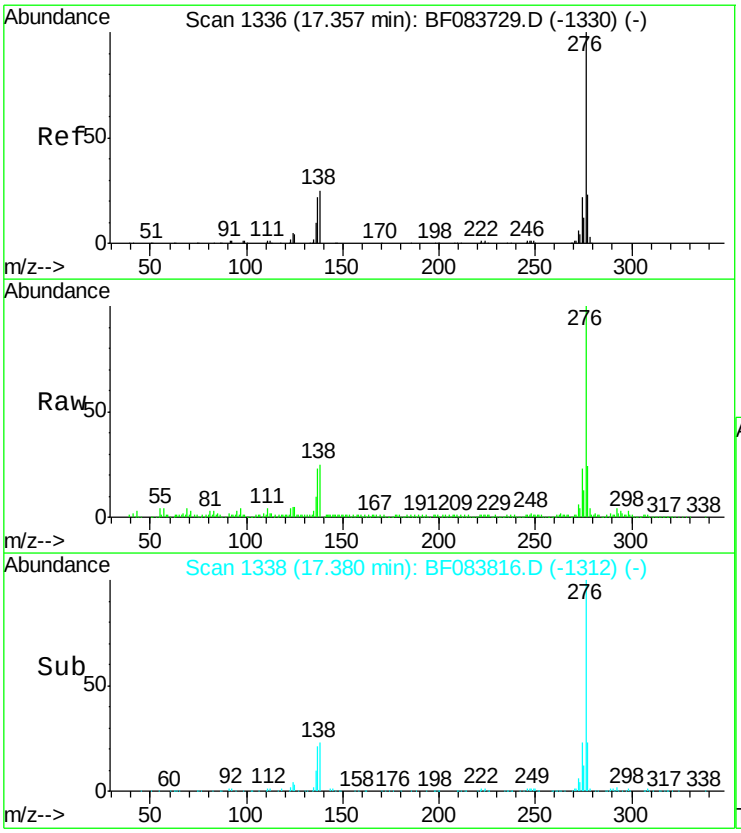
#90
Dibenzo(a,h)anthracene
Concen: 9.99 ng
RT: 16.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Instrument :
BNA_F
ClientSampleId :
K205-5-10

Tgt Ion:278 Resp: 104979

Ion	Ratio	Lower	Upper
278	100		
139	20.5	12.8	19.2#
279	28.6	18.6	28.0#





#91
Benzo(g,h,i)perylene
Concen: 25.67 ng
RT: 17.38 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083816.D
Acq: 15 Dec 2015 13:49

Tgt Ion:276 Resp: 277299

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	25.2	19.5	29.3