Quantitation Report (LSC Reviewed)

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083822.D
Acq On : 15 Dec 2015 16:59
Operator : UM/IZ
Sample : G4739-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K206-18-19

Quant Time: Dec 16 04:44:27 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	94618	20.00	ng		-0.02
21) Naphthalene-d8	8.19	136	384226	20.00	ng		-0.02
38) Acenaphthene-d10	9.94	164	167210	20.00	ng		-0.02
63) Phenanthrene-d10	11.42	188	270829	20.00	ng		-0.02
75) Chrysene-d12	14.07	240	211967	20.00	ng		-0.01
86) Perylene-d12	15.51	264	167448	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	684390	116.69	ng		-0.01
7) Phenol-d6	6.54	99	972436	130.93	ng		0.00
23) Nitrobenzene-d5	7.46	82	560346	81.59	ng		-0.02
41) 2,4,6-Tribromophenol	10.73	330	201929	118.51	ng		-0.02
44) 2-Fluorobiphenyl	9.26	172	903816	76.96	ng		-0.02
78) Terphenyl-d14	13.01	244	748008	75.91	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.21	128	70267	3.51	ng		98
48) Acenaphthylene	9.80	152	218896	11.89	ng		99
49) Dimethylphthalate	9.65	163	156130	11.98	ng		99
51) Acenaphthene	9.97	154	73081	6.57	ng		98
54) Dibenzofuran	10.14	168	59371	4.03	ng	#	87
57) Fluorene	10.49	166	140721	12.12	ng		99
70) Phenanthrene	11.46	178	1041330	72.38	ng		99
71) Anthracene	11.51	178	481308	32.21	ng		100
72) Carbazole	11.65	167	56332	4.05	ng	#	92
74) Fluoranthene	12.65	202	1459981	98.21	ng		98
77) Pyrene	12.88	202	1532409	91.47	ng		97
80) Benzo(a)anthracene	14.05	228	650111m	53.94	ng		
82) Chrysene	14.09	228	553285m	47.06	ng		
85) Indeno(1,2,3-cd)pyrene	16.93	276	178657	15.47	ng	#	100
87) Benzo(b)fluoranthene	15.09	252	497246m	46.55	ng		
88) Benzo(k)fluoranthene	15.12	252	149915m	15.49	ng		
89) Benzo(a)pyrene	15.45	252	410847	43.10	ng		98
90) Dibenzo(a,h)anthracene	16.93	278	41449	4.37	ng	#	79
91) Benzo(g,h,i)perylene	17.37	276	179792	18.45	ng		99

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

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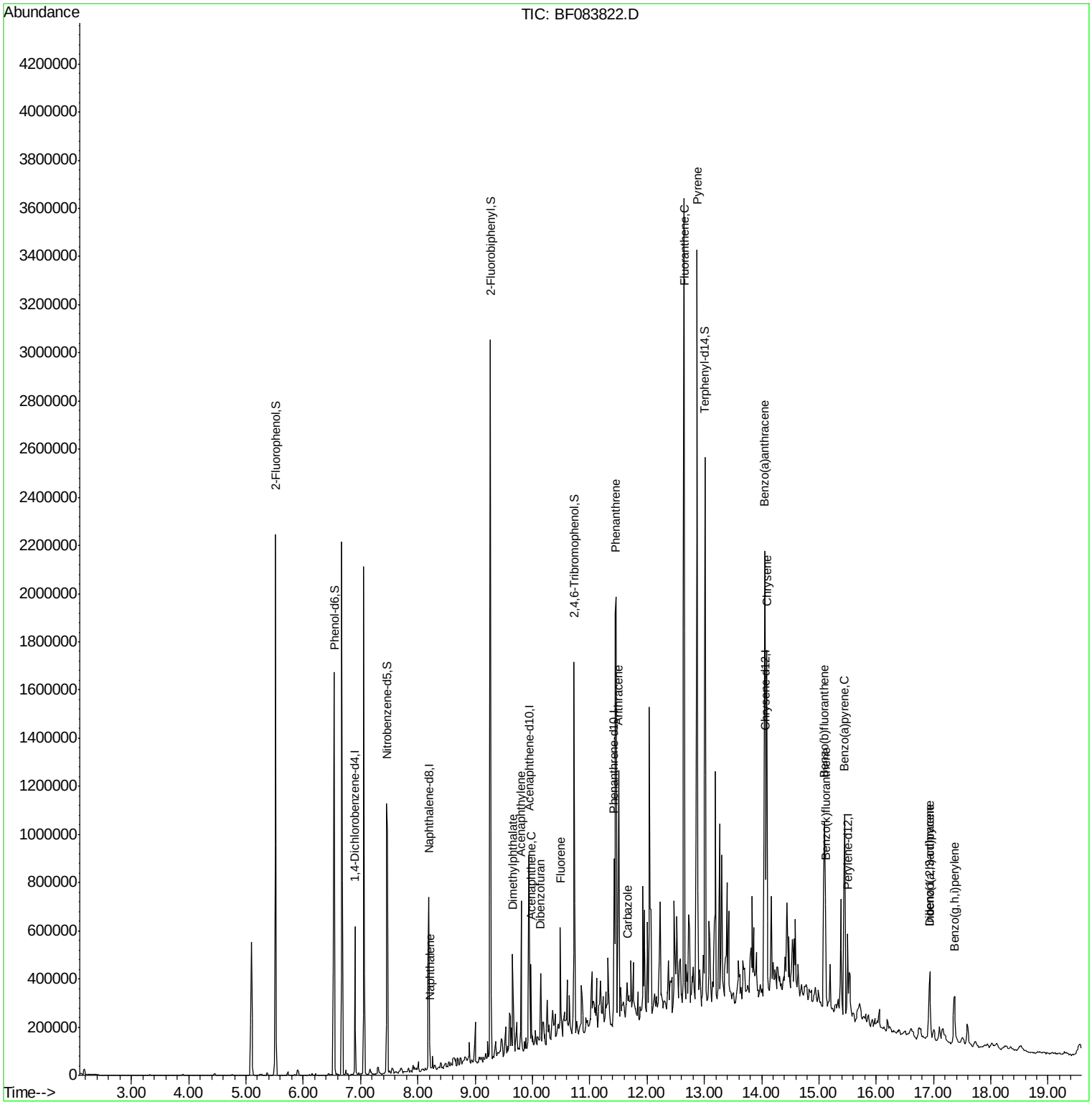
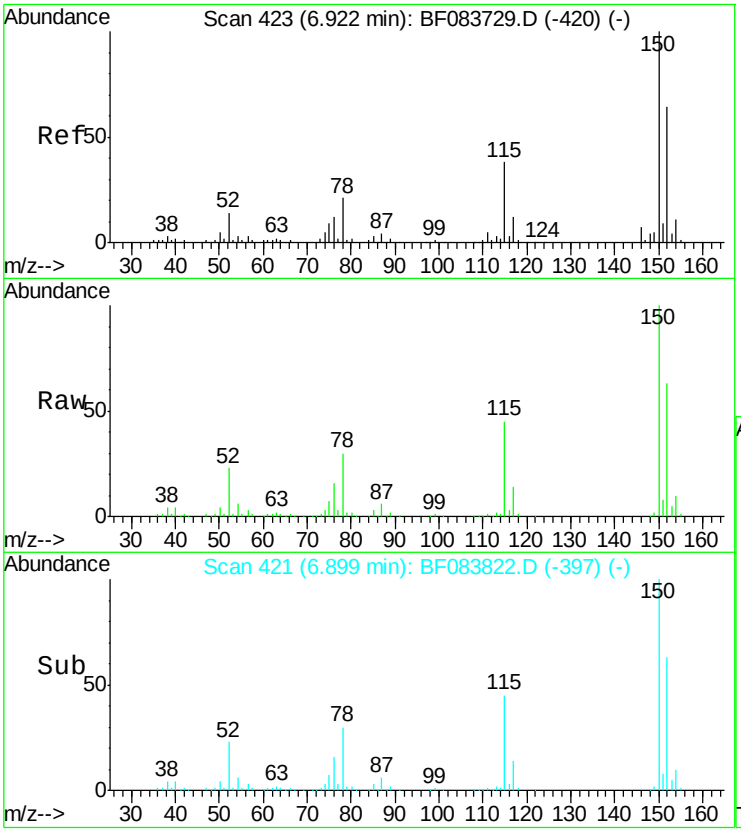


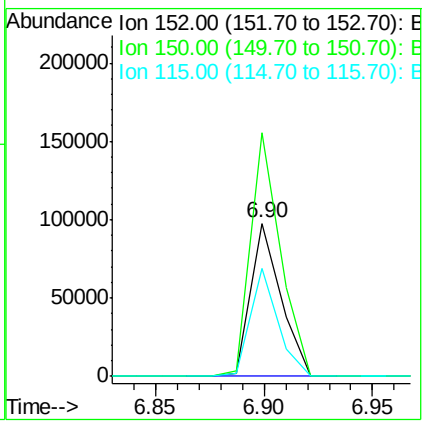


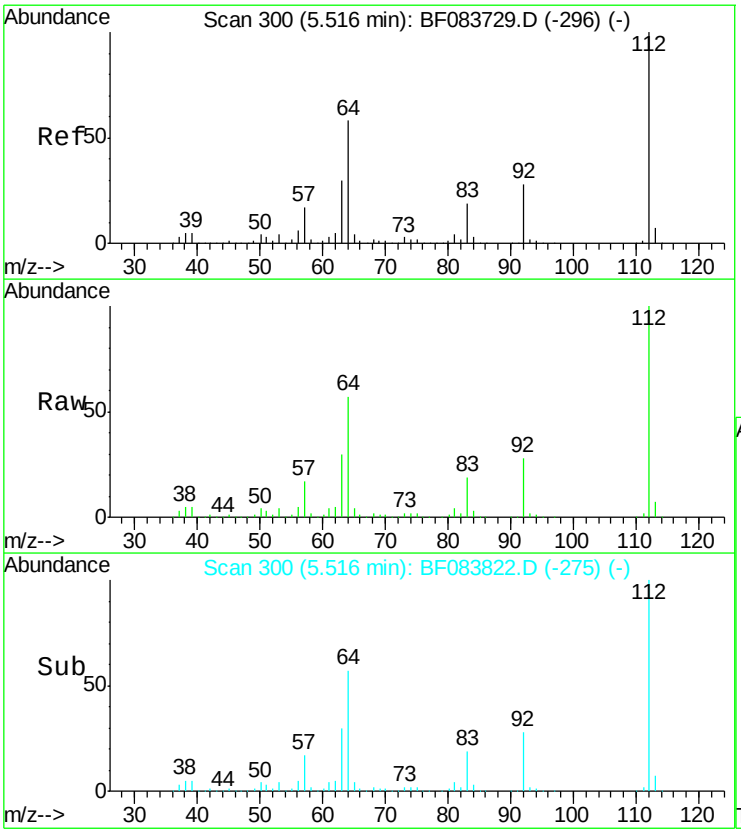
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:152 Resp: 94618

Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.5	189.7
115	70.9	52.3	78.5

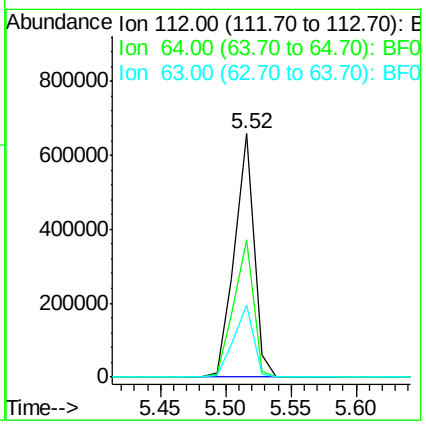


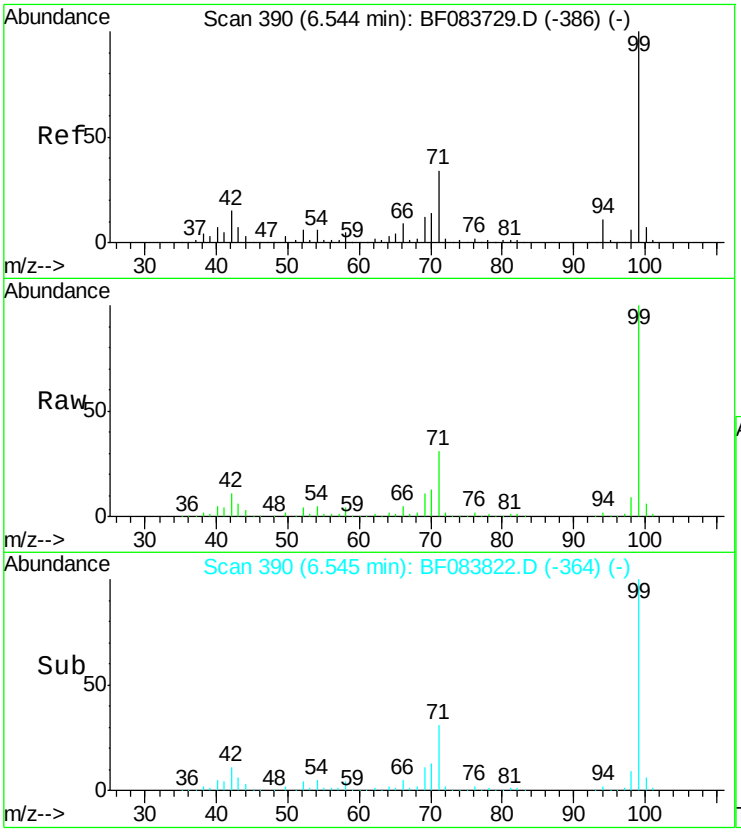


#5
2-Fluorophenol
Concen: 116.69 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:112 Resp: 684390

Ion	Ratio	Lower	Upper
112	100		
64	56.6	50.5	75.7
63	29.8	25.8	38.6



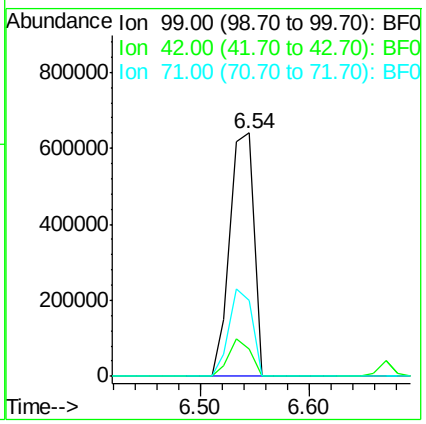


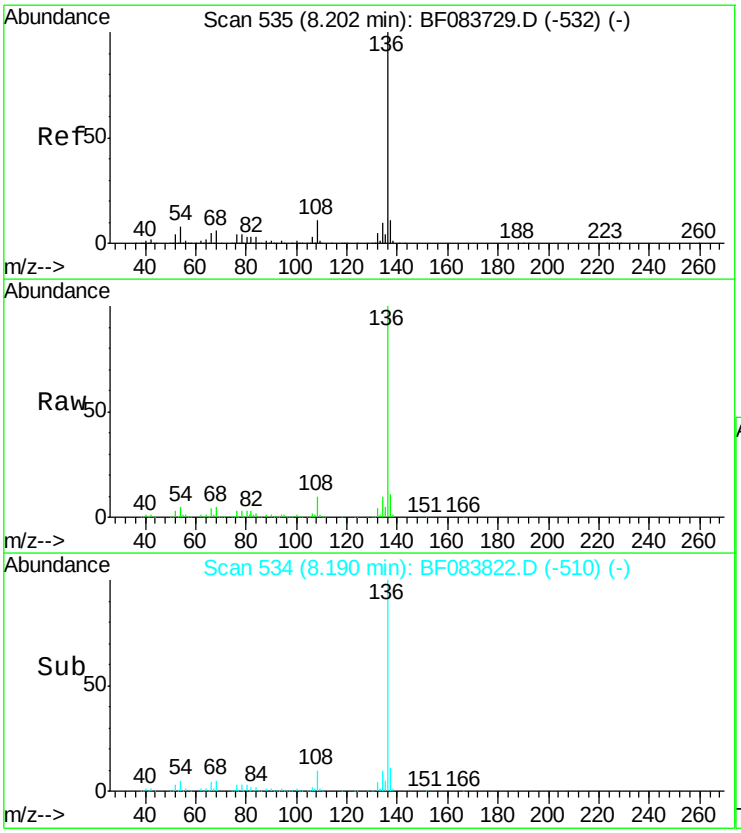
#7
Phenol-d6
Concen: 130.93 ng
RT: 6.54 min Scan# 390
Delta R.T. 0.00 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion: 99 Resp: 972436

Ion	Ratio	Lower	Upper
99	100		
42	11.2	17.3	25.9#
71	31.1	26.6	40.0

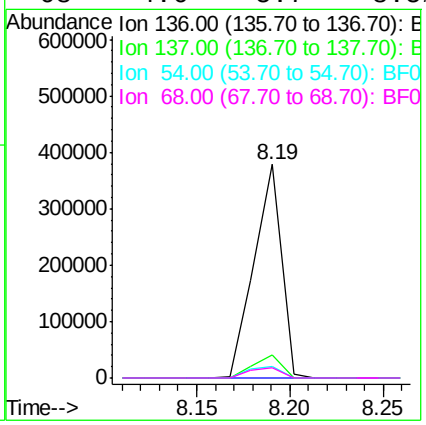


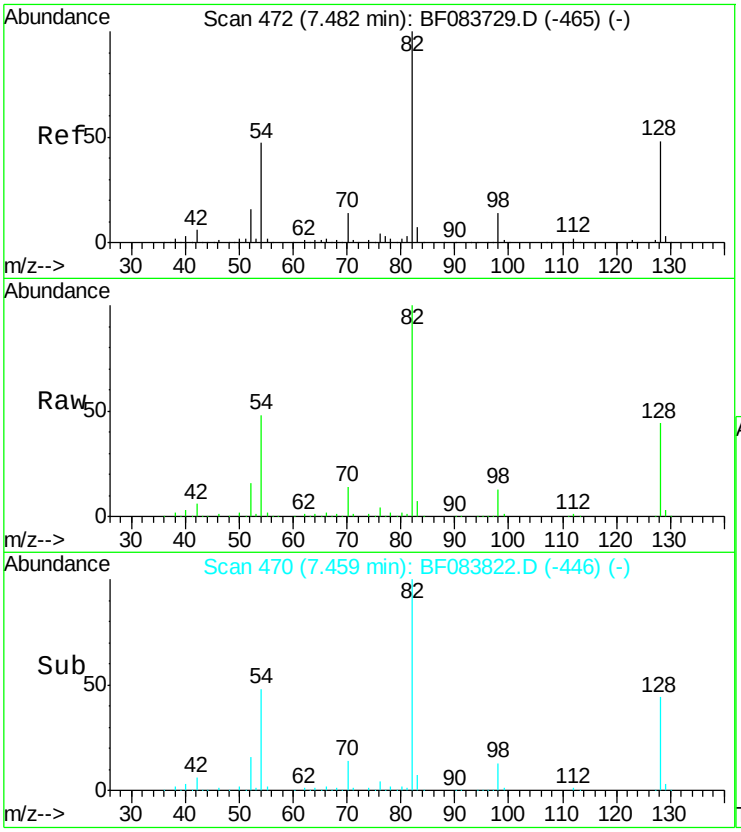


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:136 Resp: 384226

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	5.4	7.8	11.6#
68	4.6	5.7	8.5#



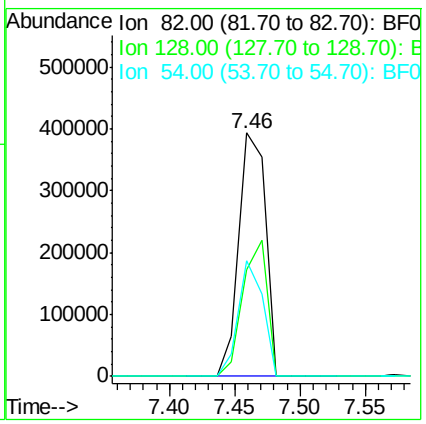


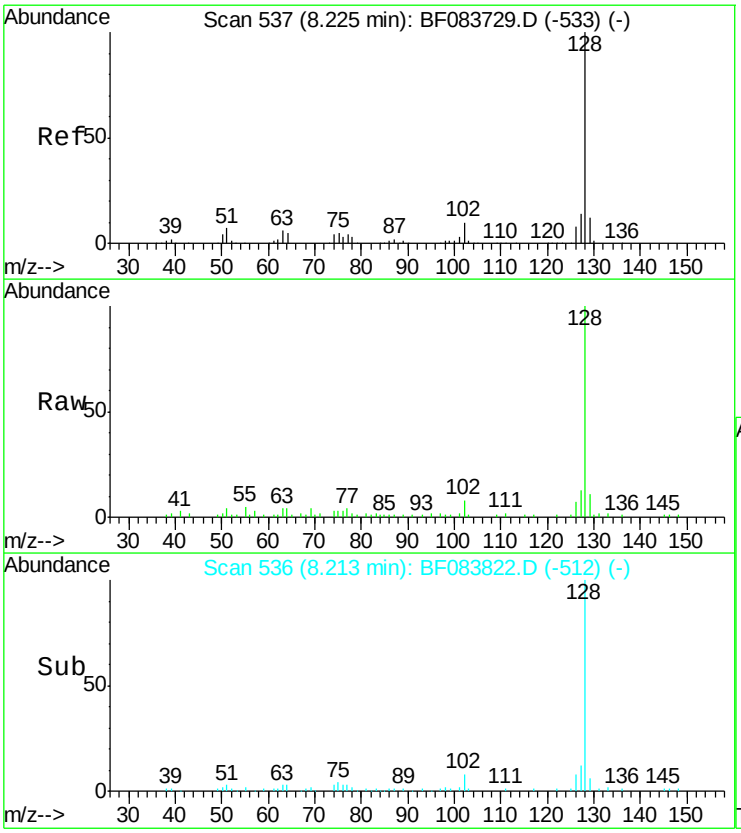
#23
Nitrobenzene-d5
Concen: 81.59 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion: 82 Resp: 560346

Ion	Ratio	Lower	Upper
82	100		
128	43.9	30.7	46.1
54	47.5	42.5	63.7

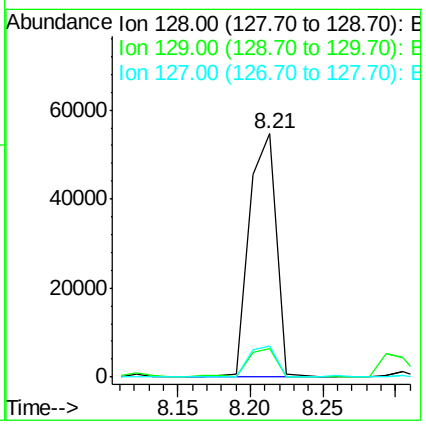


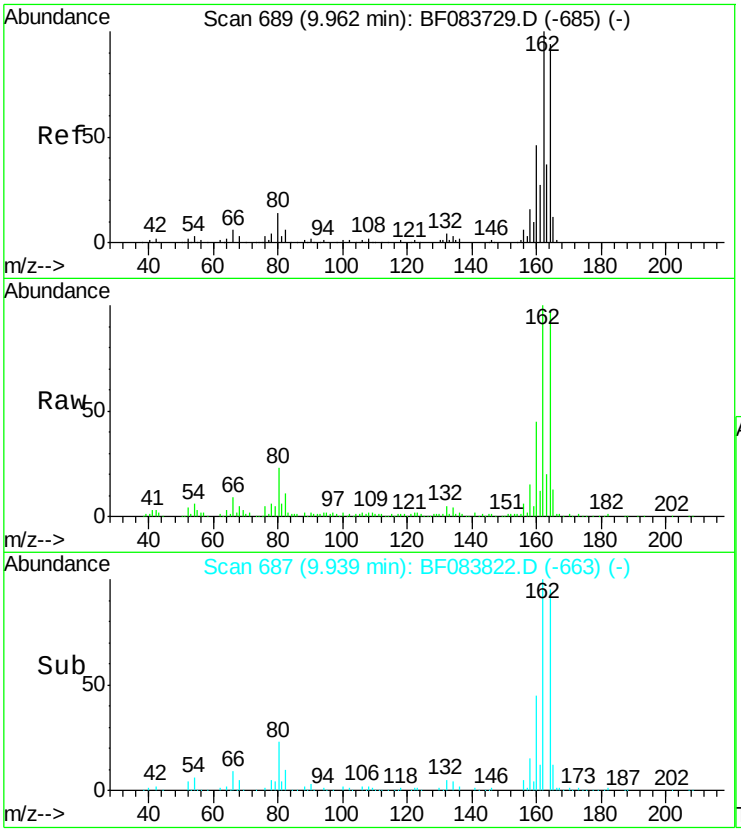


#31
Naphthalene
Concen: 3.51 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:128 Resp: 70267

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	12.7	10.6	16.0



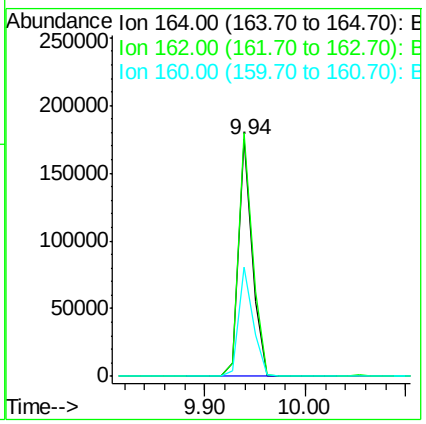


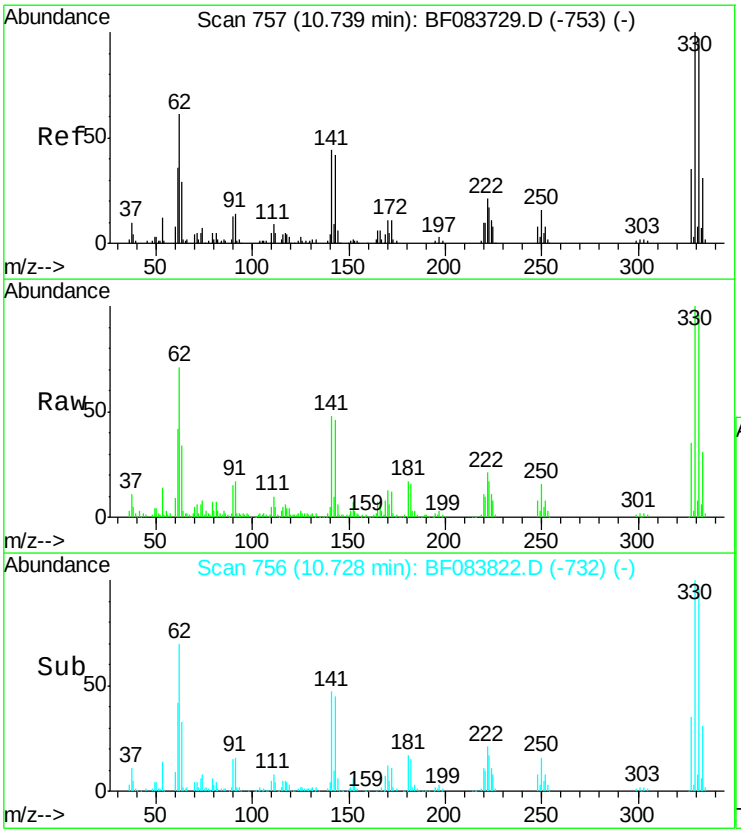
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:164 Resp: 167210

Ion	Ratio	Lower	Upper
164	100		
162	102.8	78.8	118.2
160	46.3	33.4	50.2

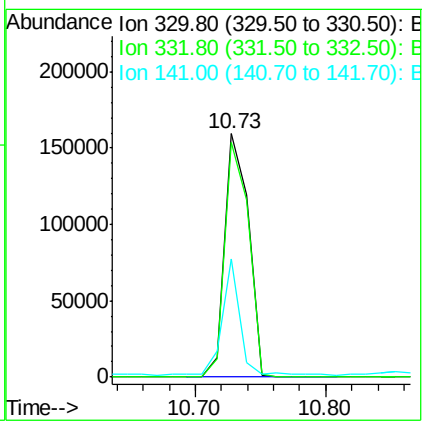


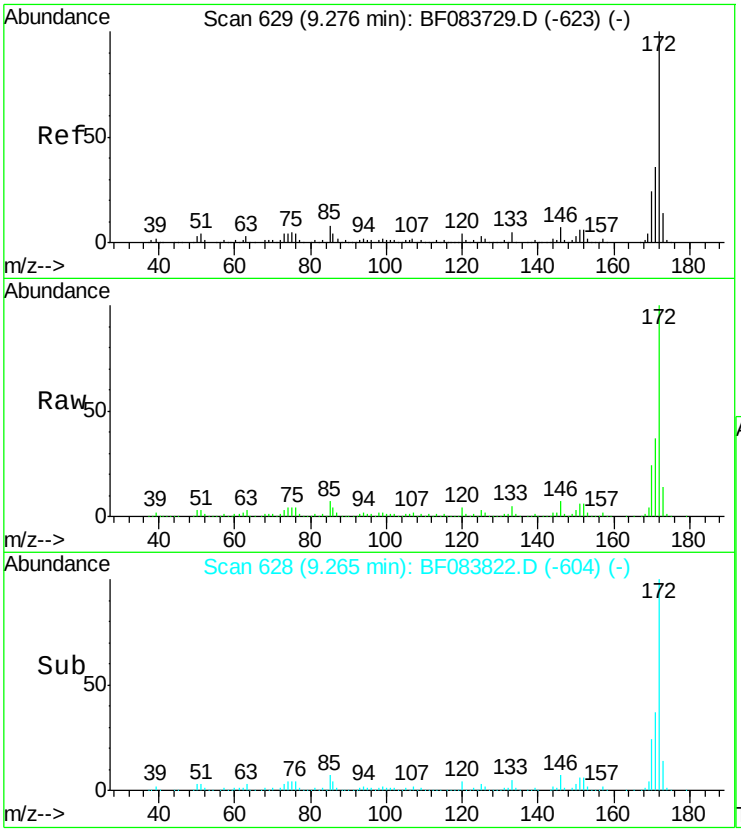


#41
2,4,6-Tribromophenol
Concen: 118.51 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:330 Resp: 201929

Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	34.7	0.0	0.0#



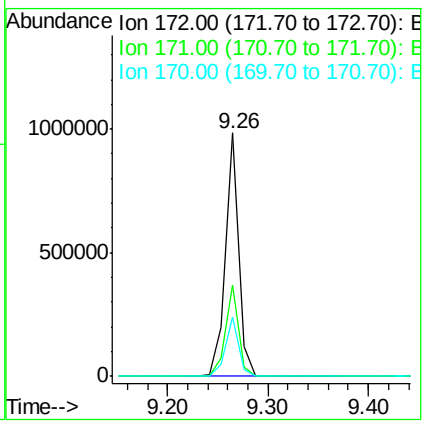


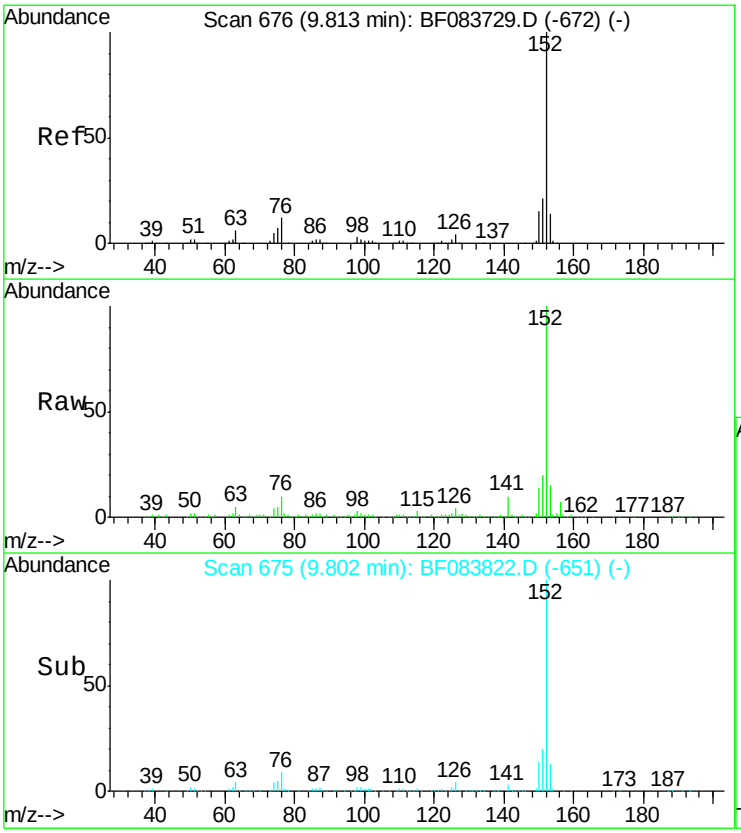
#44
2-Fluorobiphenyl
Concen: 76.96 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:172 Resp: 903816

Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.6	42.8
170	24.3	19.4	29.0

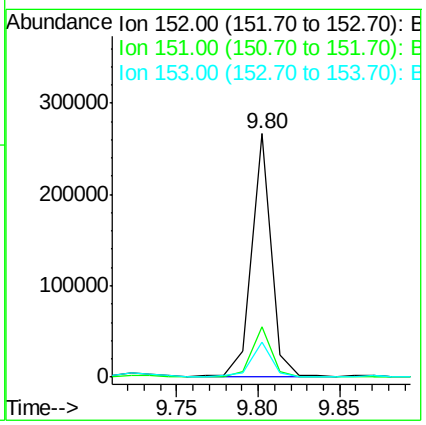


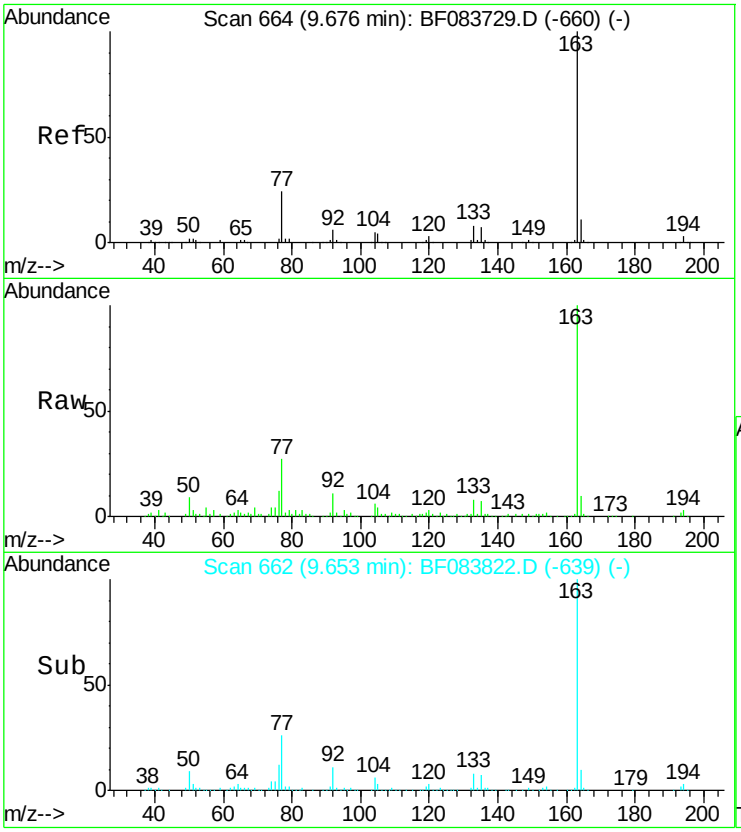


#48
Acenaphthylene
Concen: 11.89 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:152 Resp: 218896

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.6	10.8	16.2



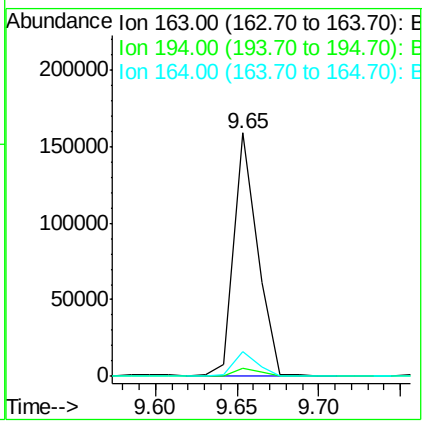


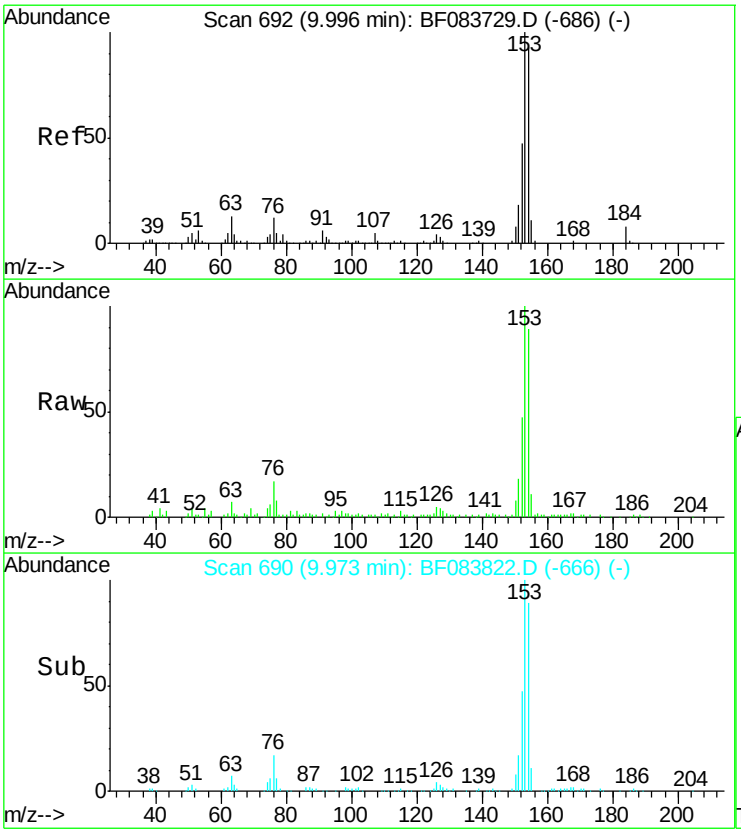
#49
Dimethylphthalate
Concen: 11.98 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.03 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:163 Resp: 156130

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.3	8.6	13.0

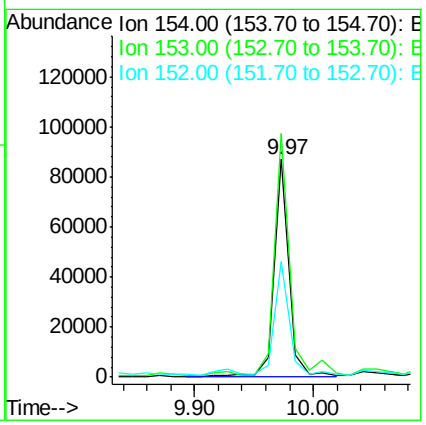


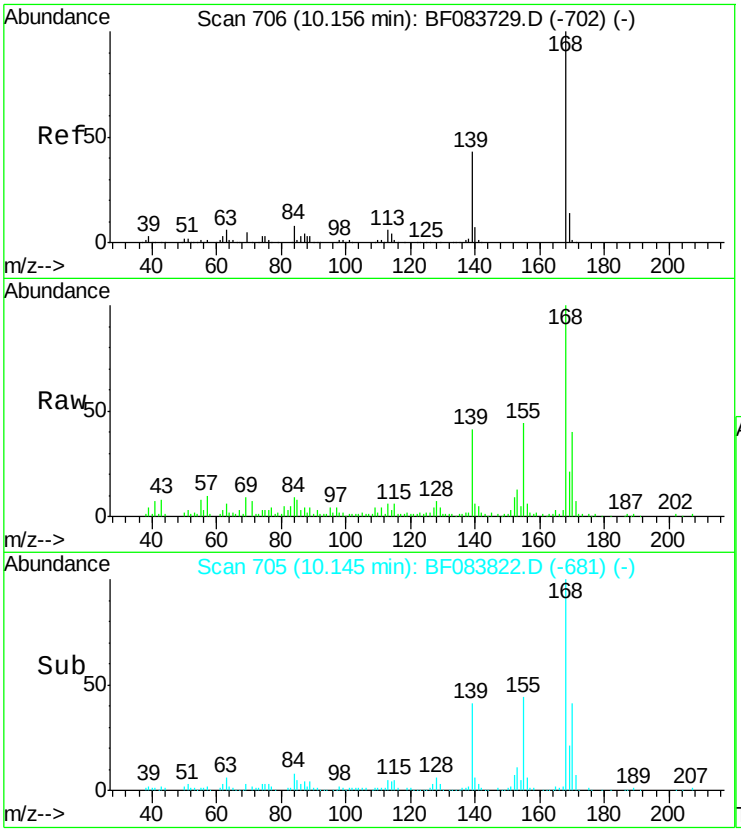


#51
Acenaphthene
Concen: 6.57 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:154 Resp: 73081

Ion	Ratio	Lower	Upper
154	100		
153	111.9	91.4	137.0
152	52.9	43.4	65.2



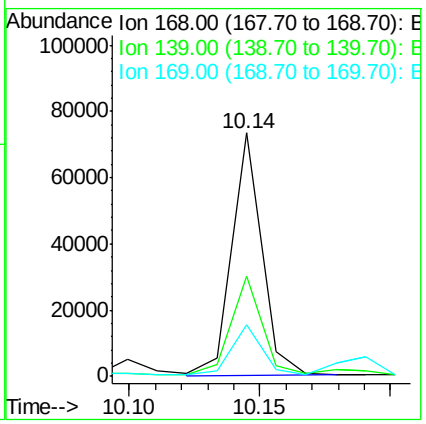


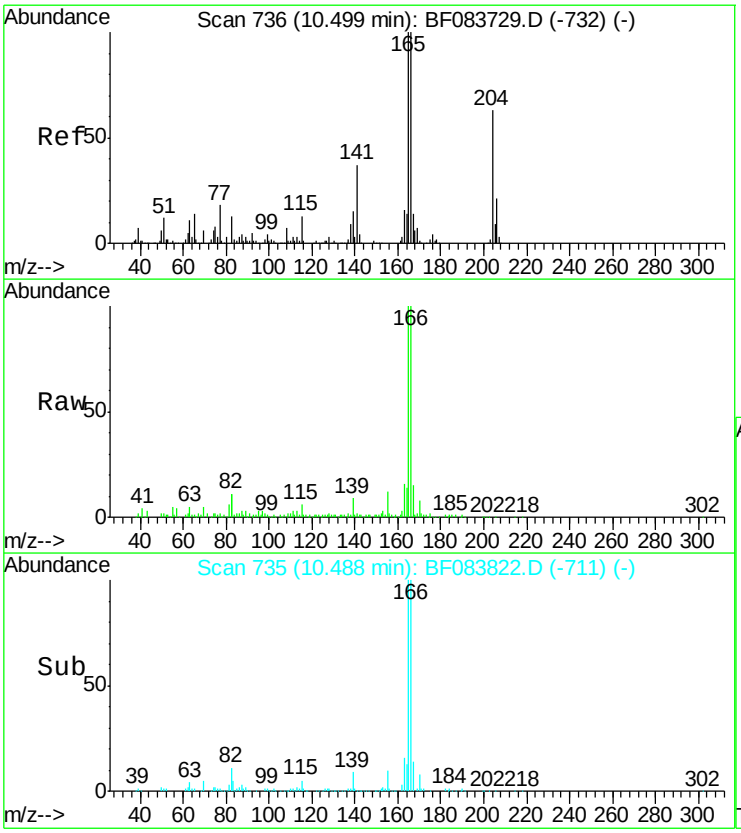
#54
Dibenzofuran
Concen: 4.03 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:168 Resp: 59371

Ion	Ratio	Lower	Upper
168	100		
139	41.4	28.0	42.0
169	21.2	10.8	16.2#

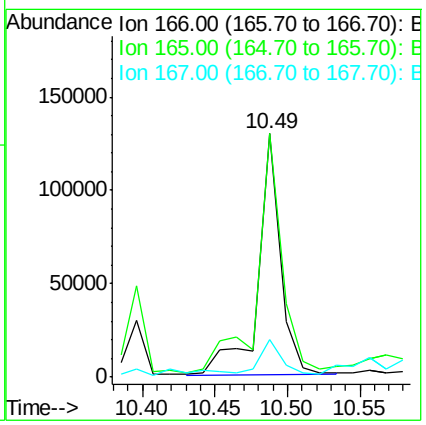


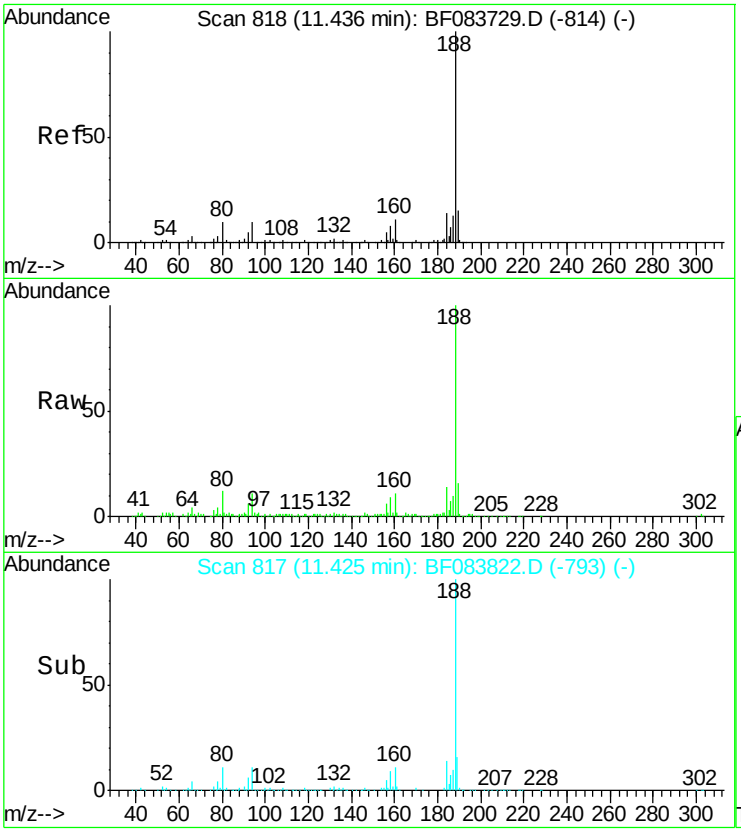


#57
Fluorene
Concen: 12.12 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:166 Resp: 140721

Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.0	120.0
167	15.3	10.6	16.0



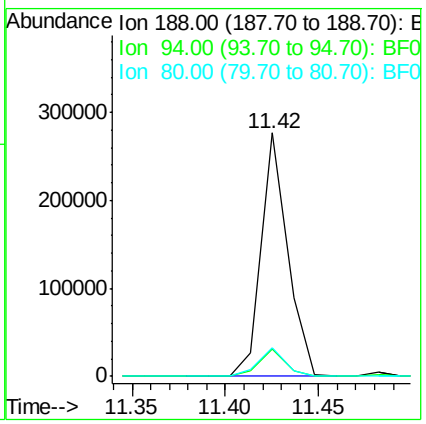


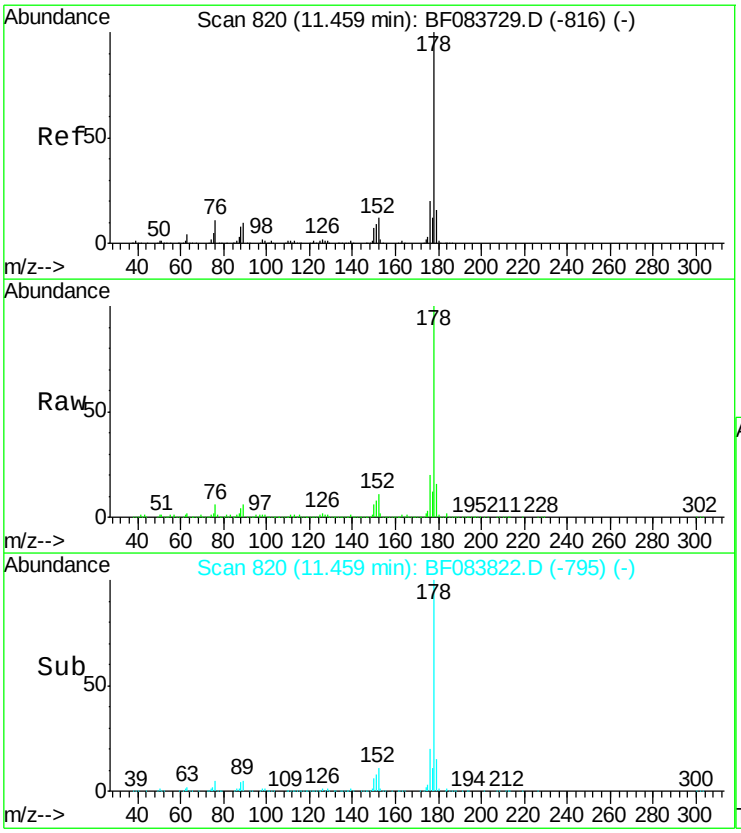
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:188 Resp: 270829

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.7	10.6	16.0

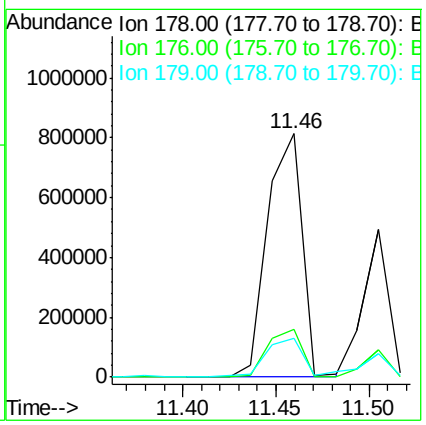


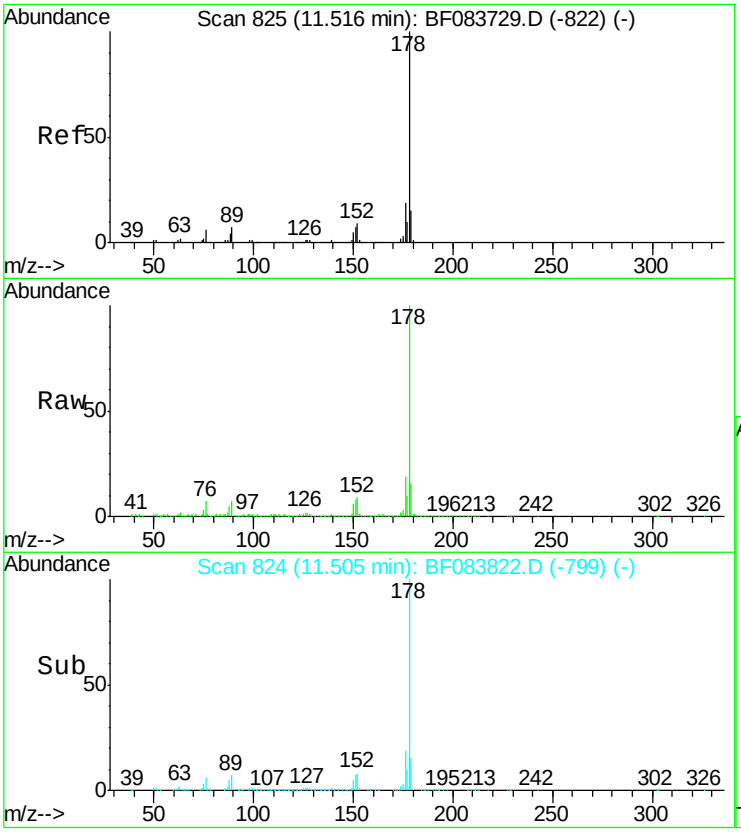


#70
Phenanthrene
Concen: 72.38 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:178 Resp: 1041330

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.8	12.2	18.4



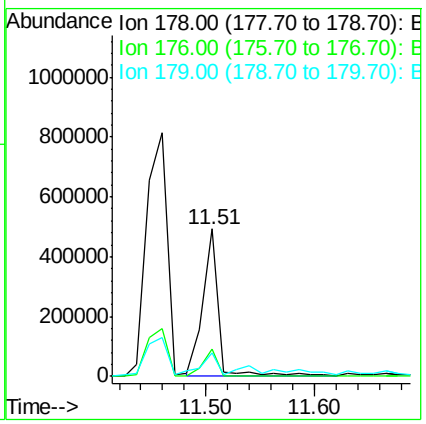


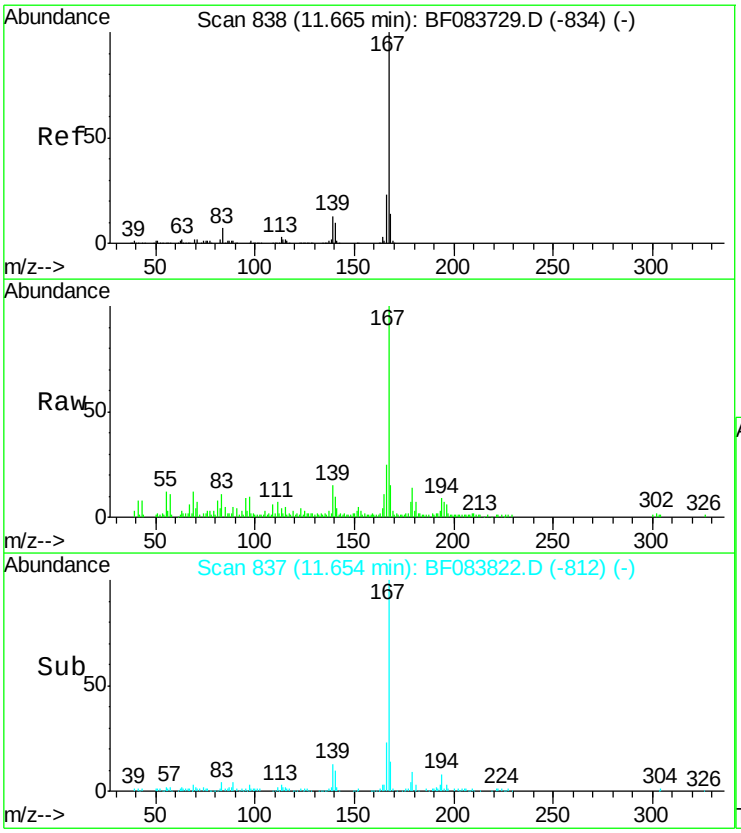
#71
Anthracene
Concen: 32.21 ng
RT: 11.51 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:178 Resp: 481308

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.5	12.6	18.8

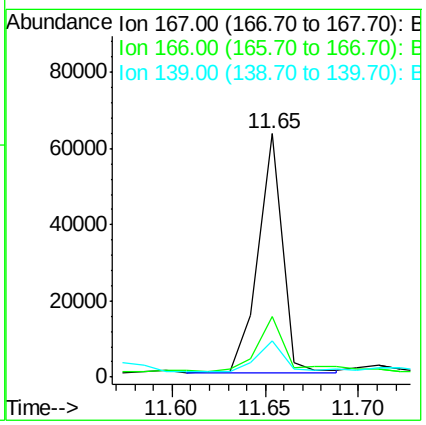


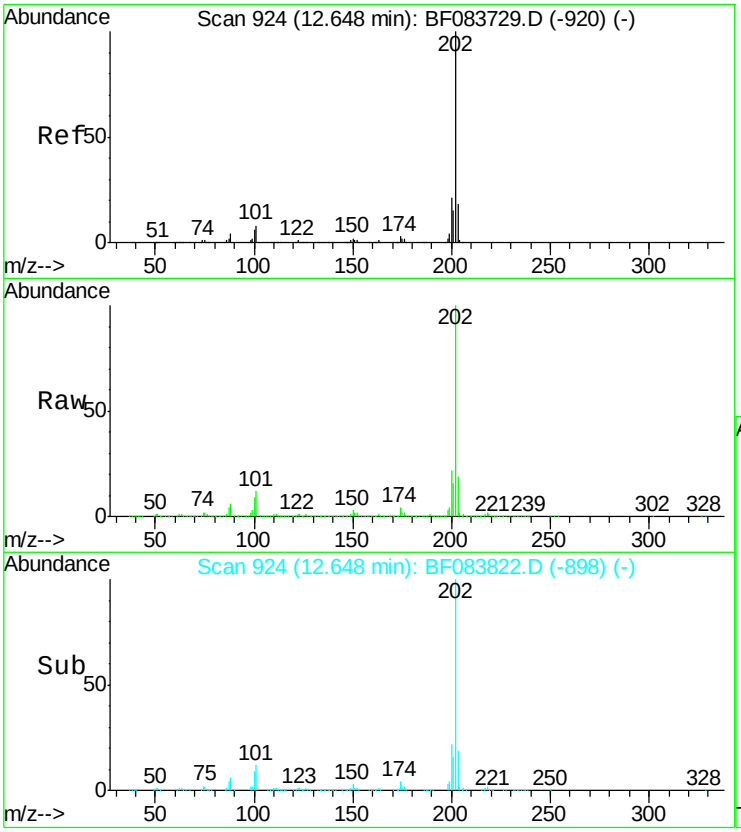


#72
Carbazole
Concen: 4.05 ng
RT: 11.65 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:167 Resp: 56332

Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.2	25.8
139	14.9	9.3	13.9#



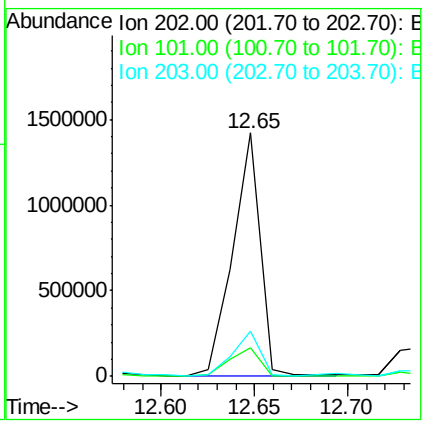


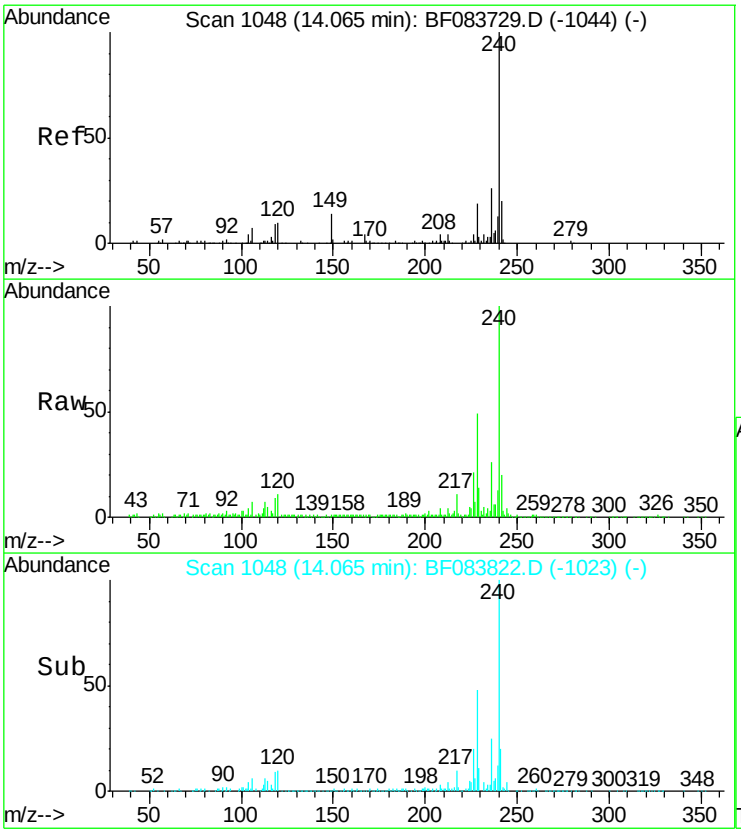
#74
Fluoranthene
Concen: 98.21 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:202 Resp: 1459981

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	18.7	0.0	37.6

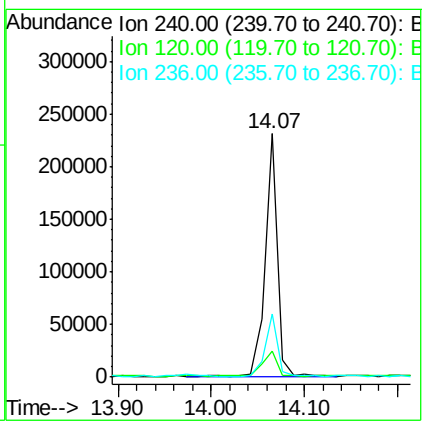


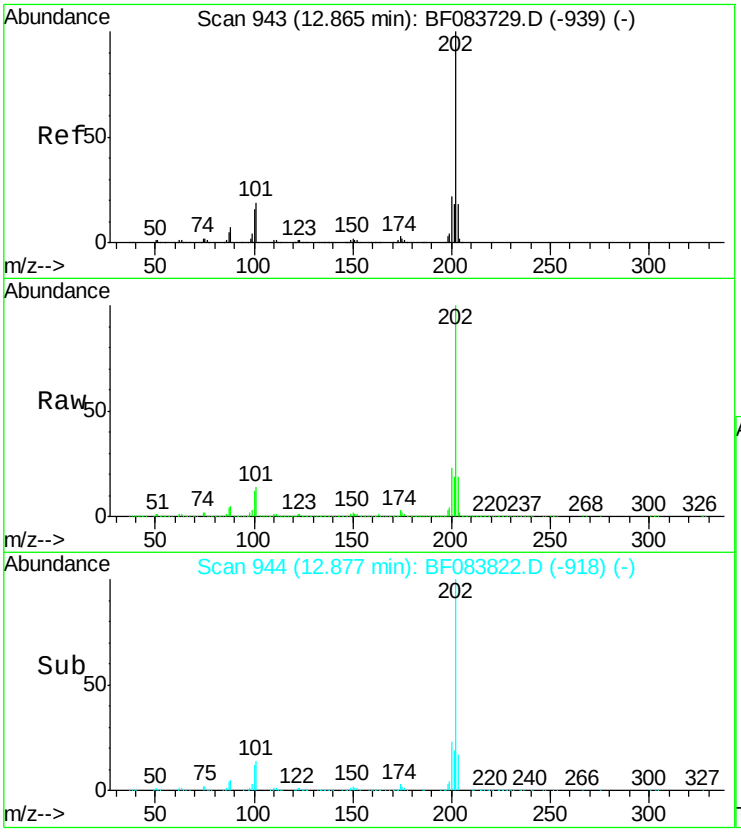


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:240 Resp: 211967

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.1	12.1
236	25.7	20.8	31.2



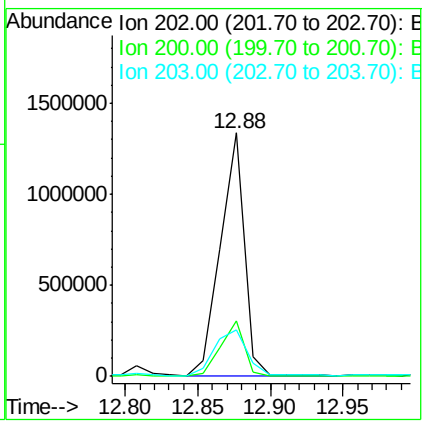


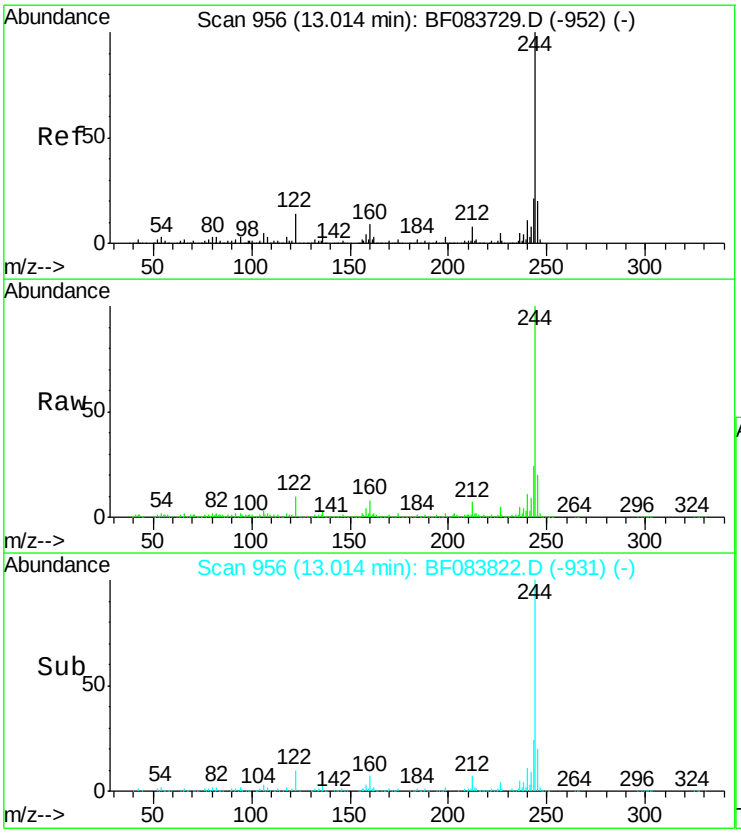
#77
Pyrene
Concen: 91.47 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:202 Resp: 1532409

Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.7	25.1
203	19.0	14.3	21.5

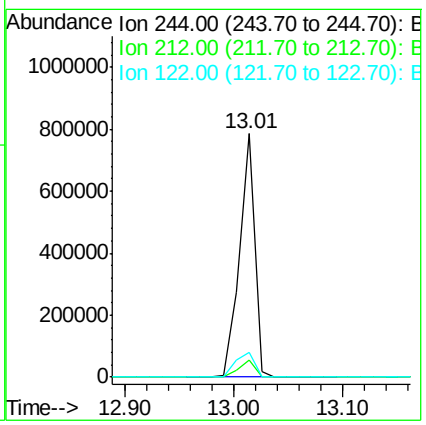


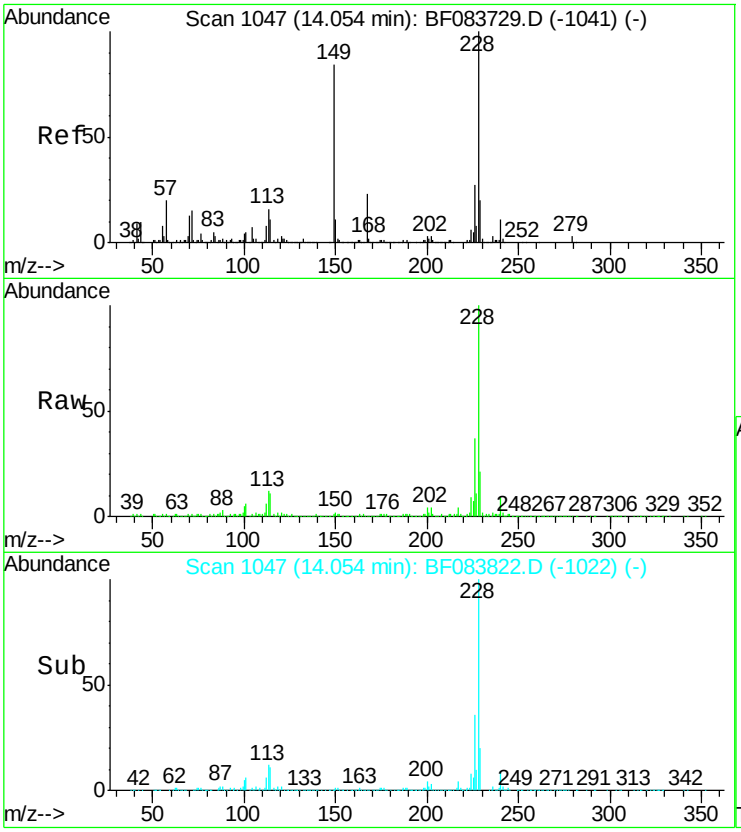


#78
Terphenyl-d14
Concen: 75.91 ng
RT: 13.01 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:244 Resp: 748008

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	10.4	11.0	16.6#



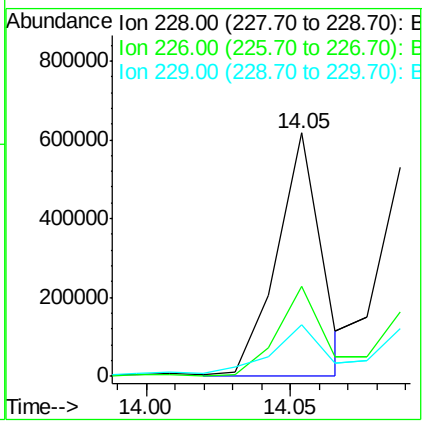


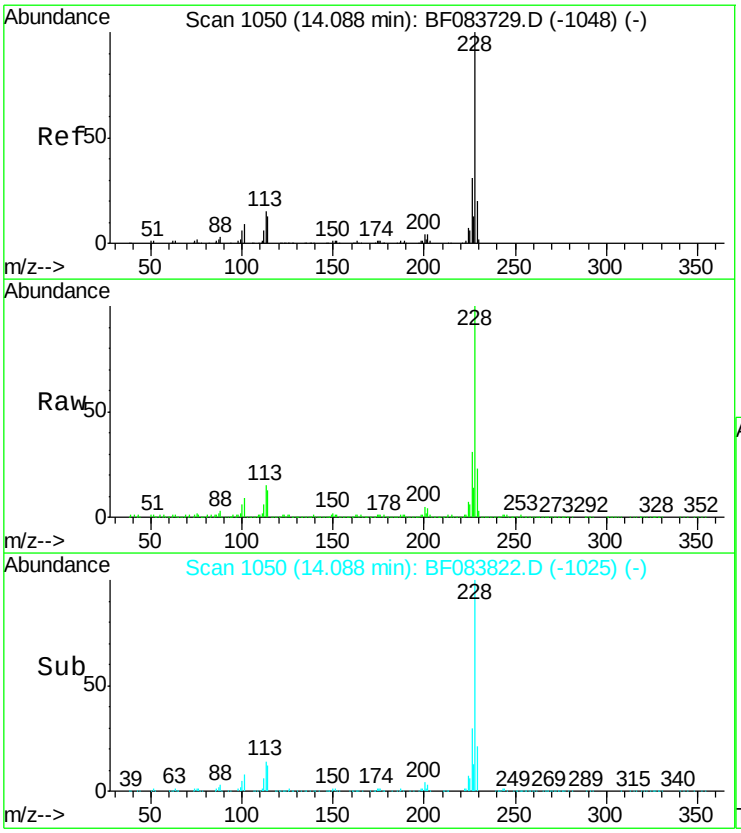
#80
Benzo(a)anthracene
Concen: 53.94 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:228 Resp: 650111

Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.3	33.5#
229	21.1	15.7	23.5

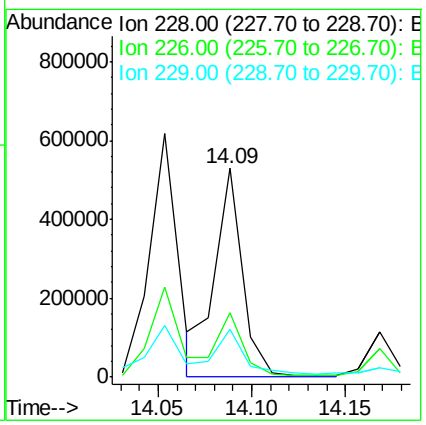


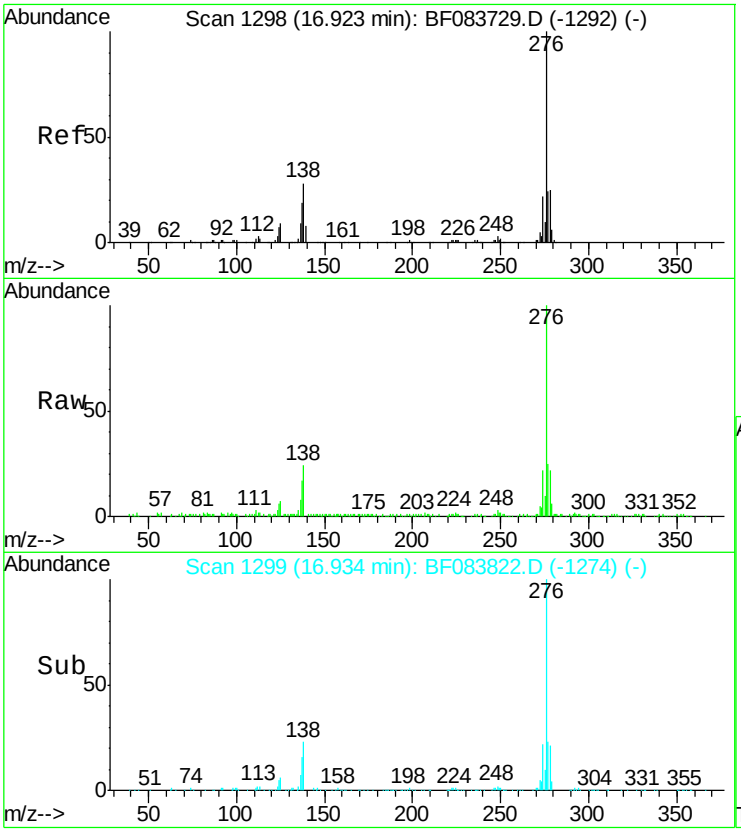


#82
Chrysene
Concen: 47.06 ng m
RT: 14.09 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:228 Resp: 553285

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	22.7	16.3	24.5



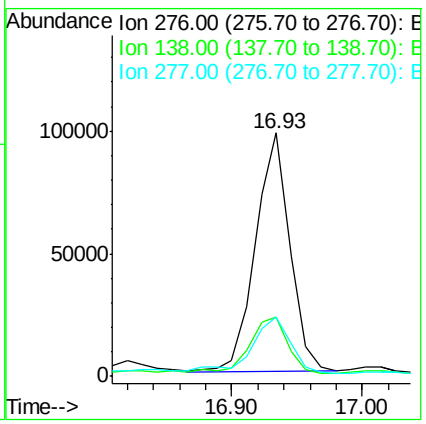


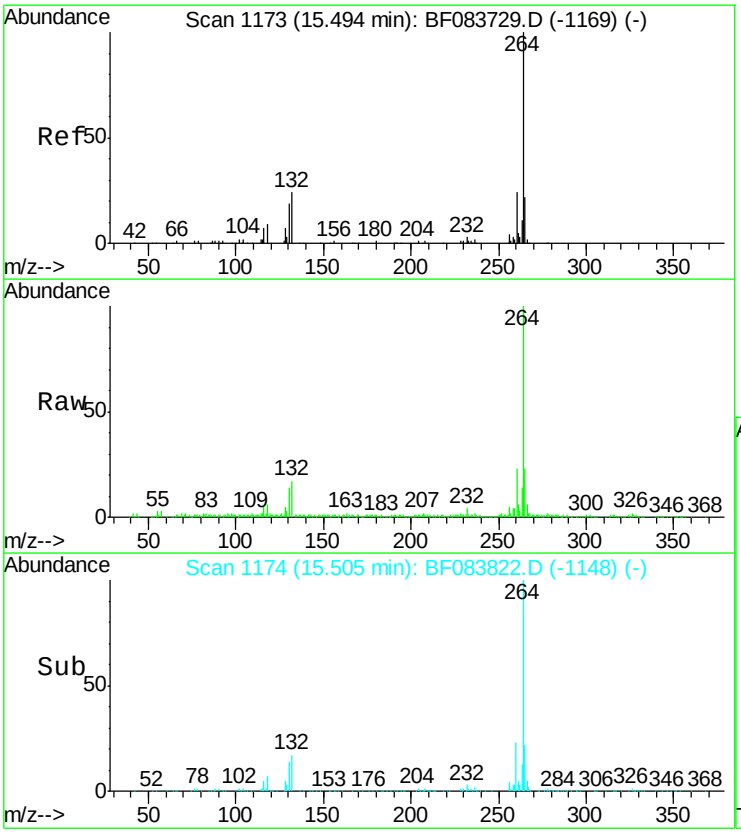
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.47 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:276 Resp: 178657

Ion	Ratio	Lower	Upper
276	100		
138	25.9	0.0	0.0#
277	27.9	0.0	0.0#

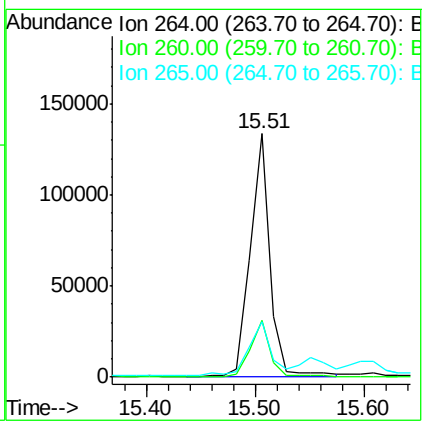


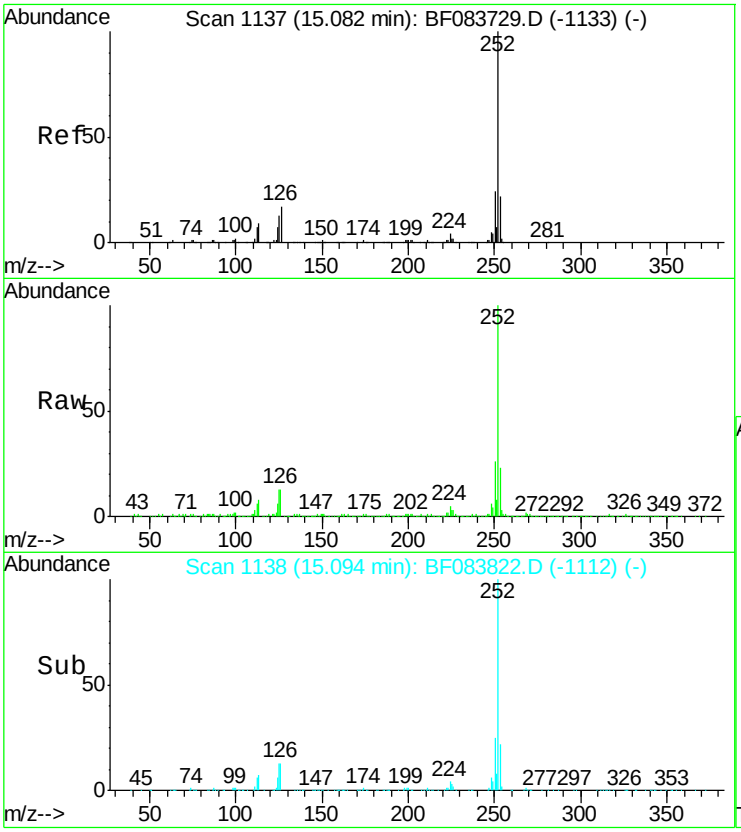


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:264 Resp: 167448

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.8	17.8	26.6



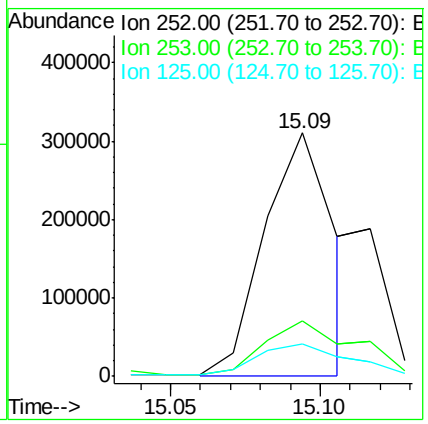


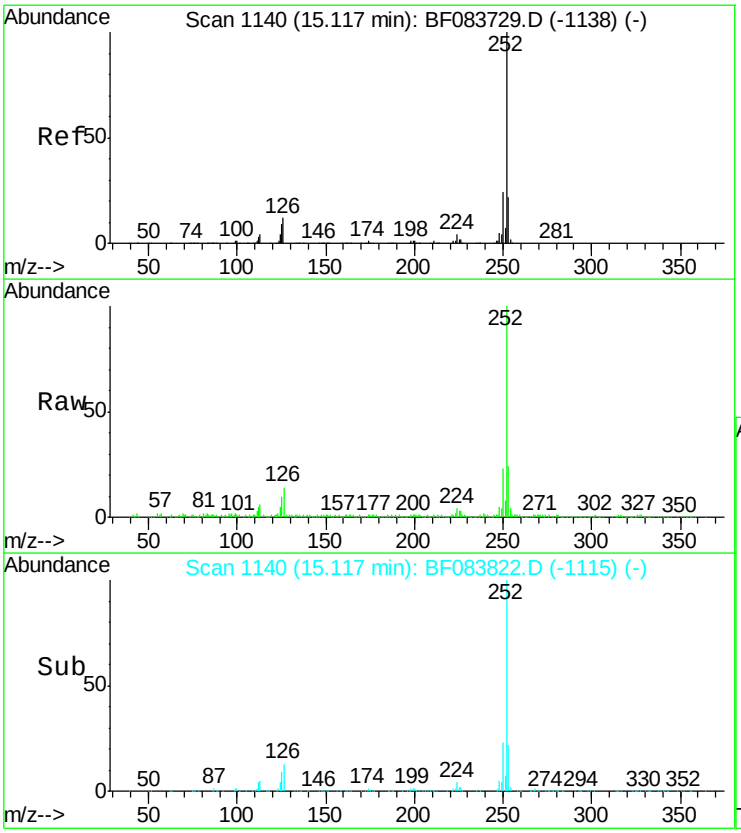
#87
Benzo(b)fluoranthene
Concen: 46.55 ng m
RT: 15.09 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:252 Resp: 497246

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	13.1	8.2	12.4#

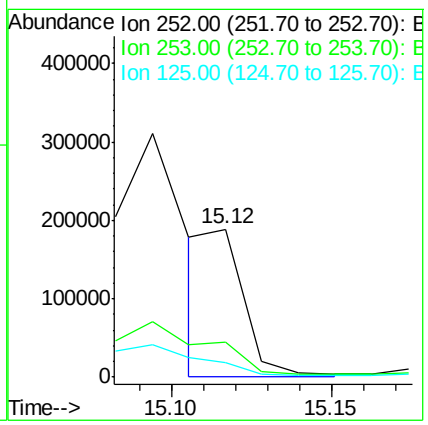


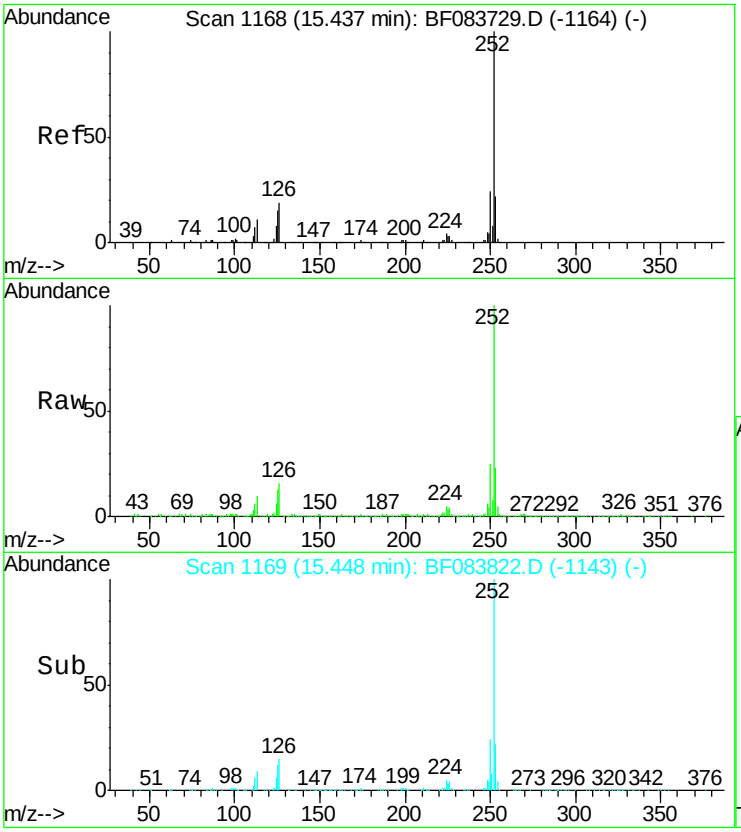


#88
Benzo(k)fluoranthene
Concen: 15.49 ng m
RT: 15.12 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:252 Resp: 149915

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.6	27.8
125	9.8	11.5	17.3#



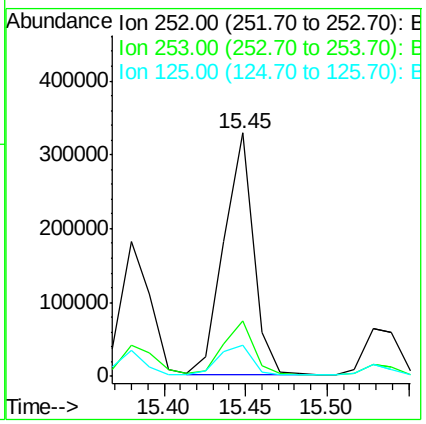


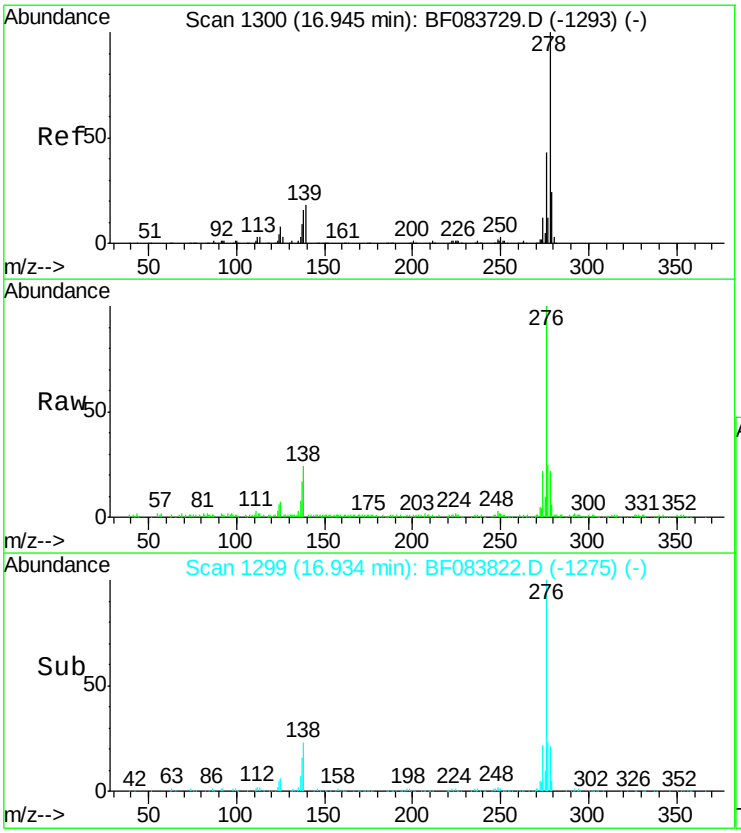
#89
Benzo(a)pyrene
Concen: 43.10 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:252 Resp: 410847

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	12.6	11.0	16.6

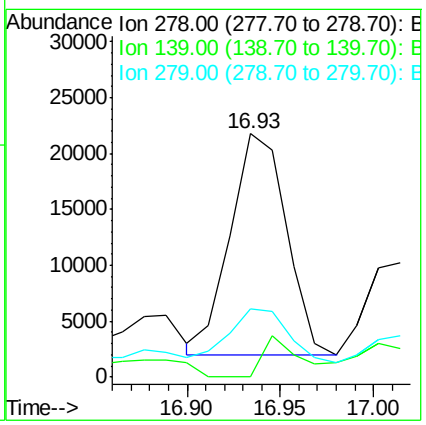


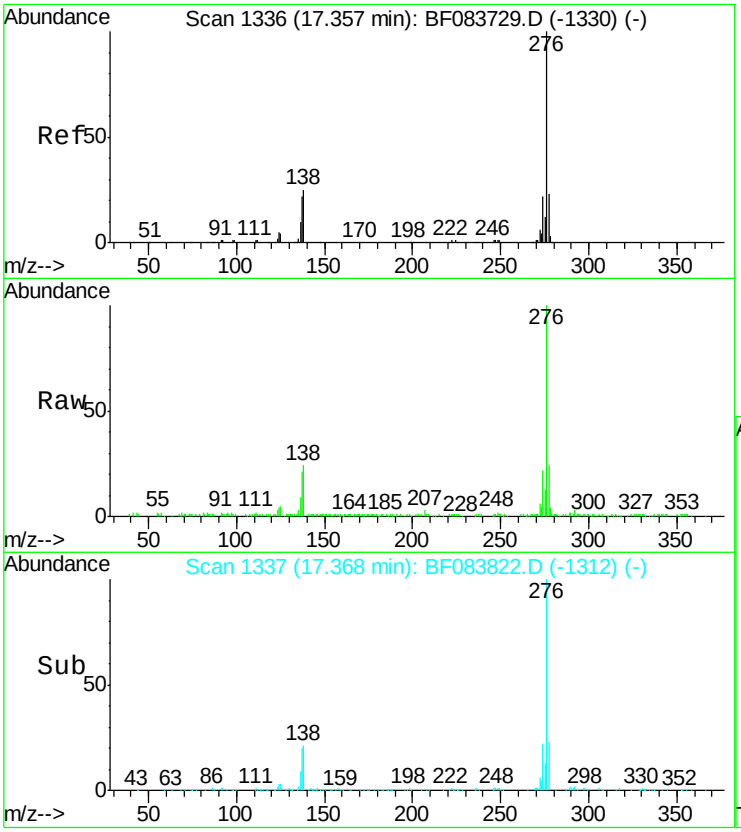


#90
Dibenzo(a,h)anthracene
Concen: 4.37 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:278 Resp: 41449

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	28.3	18.6	28.0#





#91
Benzo(g,h,i)perylene
Concen: 18.45 ng
RT: 17.37 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:276 Resp: 179792

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	23.7	19.5	29.3