Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\
Data File : BF082539.D
Acq On : 27 Oct 2015 8:57
Operator : UM/IZ
Sample : G4119-17RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-08-15.5-16RE

Quant Time: Oct 27 10:51:23 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 27 02:43:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	92825	20.00	ng		0.00
21) Naphthalene-d8	8.02	136	328228	20.00	ng		0.00
38) Acenaphthene-d10	9.78	164	127091	20.00	ng		0.01
63) Phenanthrene-d10	11.28	188	212331	20.00	ng		0.02
75) Chrysene-d12	13.97	240	198552	20.00	ng		0.06
86) Perylene-d12	15.46	264	144188	20.00	ng		0.13
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	425100	90.41	ng		0.01
7) Phenol-d6	6.39	99	519906	84.83	ng		0.01
23) Nitrobenzene-d5	7.30	82	271426	53.35	ng		0.00
41) 2,4,6-Tribromophenol	10.58	330	71806	75.45	ng		0.01
44) 2-Fluorobiphenyl	9.10	172	436986	54.68	ng		0.00
78) Terphenyl-d14	12.88	244	329849	47.86	ng		0.03
Target Compounds							Qvalue
9) Benzaldehyde	6.24	77	490	Below Cal		#	1
18) Hexachloroethane	7.29	117	10023	4.35	ng	#	1
25) Isophorone	7.65	82	21862	2.16	ng	#	1
35) Caprolactam	8.48	113	7856	6.35	ng	#	1
37) 2-Methylnaphthalene	8.73	142	21003	2.07	ng	#	89
49) Dimethylphthalate	9.50	163	128060	14.48	ng	#	98
50) 2,6-Dinitrotoluene	9.62	165	4723	2.44	ng	#	75
51) Acenaphthene	9.82	154	17371	2.54	ng	#	31
52) 3-Nitroaniline	9.75	138	7412	3.52	ng	#	39
53) 2,4-Dinitrophenol	9.87	184	464	5.32	ng	#	1
55) 4-Nitrophenol	9.90	139	13507	23.23	ng	#	1
56) 2,4-Dinitrotoluene	9.99	165	21121	8.98	ng	#	45
64) 4,6-Dinitro-2-methylphenol	10.42	198	3379	2.71	ng	#	1
65) n-Nitrosodiphenylamine	10.45	169	157917	24.58	ng	#	43
68) Atrazine	10.94	200	5205	2.62	ng	#	1
69) Pentachlorophenol	11.11	266	2490	9.93	ng	#	27
70) Phenanthrene	11.30	178	78861	7.22	ng	#	32
71) Anthracene	11.36	178	64730	5.88	ng	#	53
74) Fluoranthene	12.50	202	154429	13.77	ng		71
77) Pyrene	12.74	202	501168	41.04	ng	#	92
80) Benzo(a)anthracene	13.99	228	304833	28.64	ng	#	38
81) 3,3'-Dichlorobenzidine	13.89	252	11416	3.09	ng	#	68
82) Chrysene	13.99	228	304833	30.32	ng	#	46
85) Indeno(1,2,3-cd)pyrene	16.87	276	23130	2.50	ng	#	80
87) Benzo(b)fluoranthene	15.05	252	58082	6.78	ng	#	1
88) Benzo(k)fluoranthene	15.05	252	58082	8.32	ng	#	1
89) Benzo(a)pyrene	15.41	252	52319	7.05	ng	#	20
91) Benzo(g,h,i)perylene	17.29	276	41230	6.71	ng	#	59

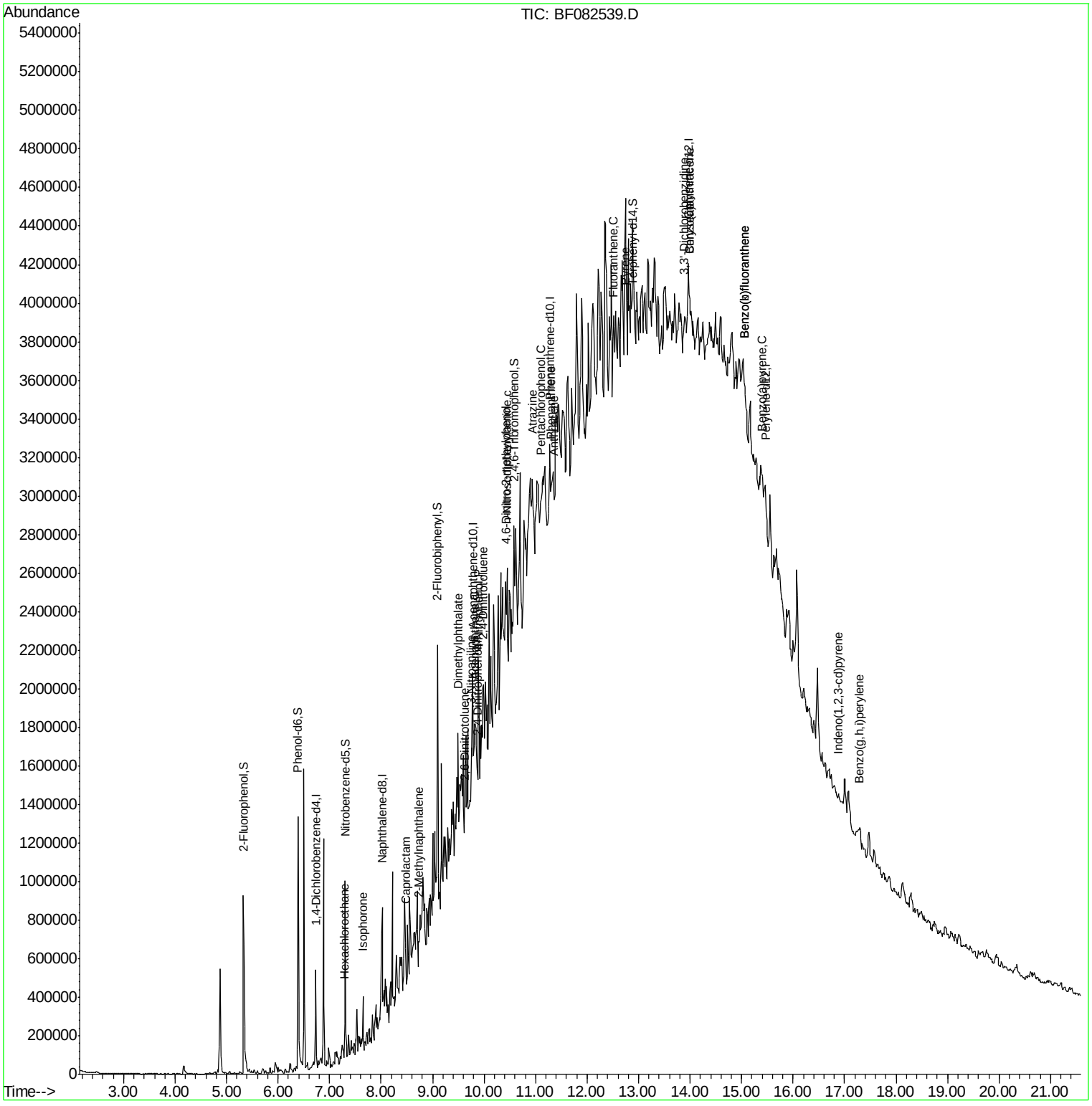
(#) = qualifier out of range (m) = manual integration (+) = signals summed

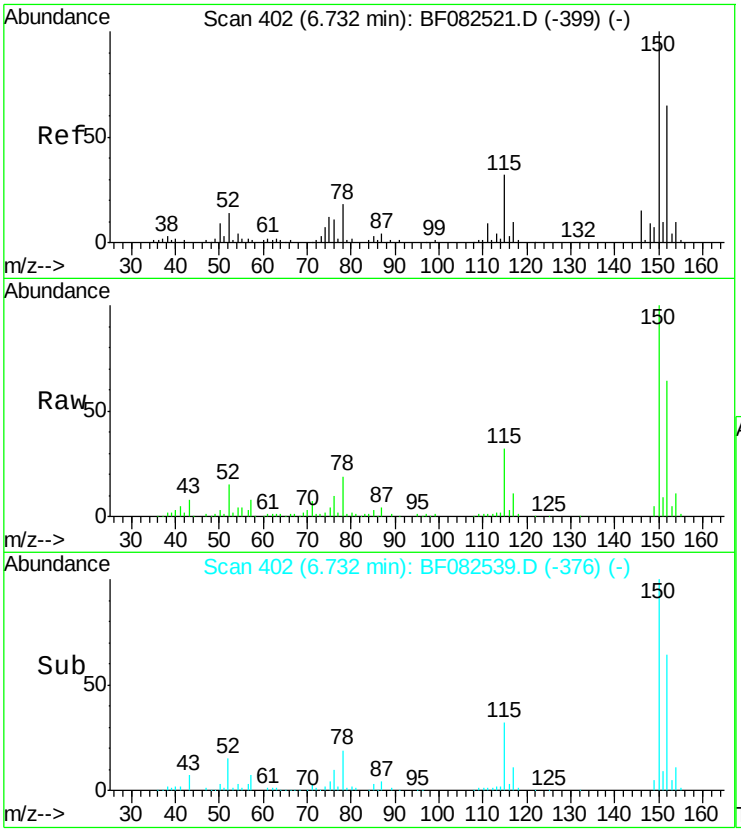
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\
Data File : BF082539.D
Acq On : 27 Oct 2015 8:57
Operator : UM/IZ
Sample : G4119-17RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-08-15.5-16RE

Quant Time: Oct 27 10:51:23 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 27 02:43:58 2015
Response via : Initial Calibration



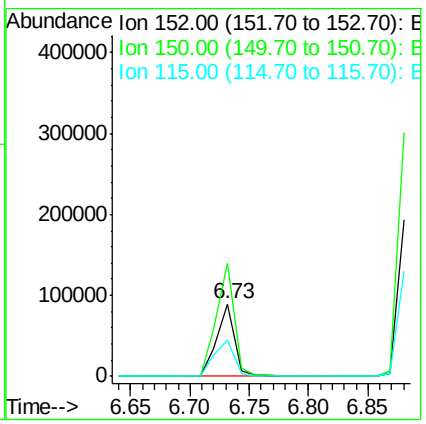


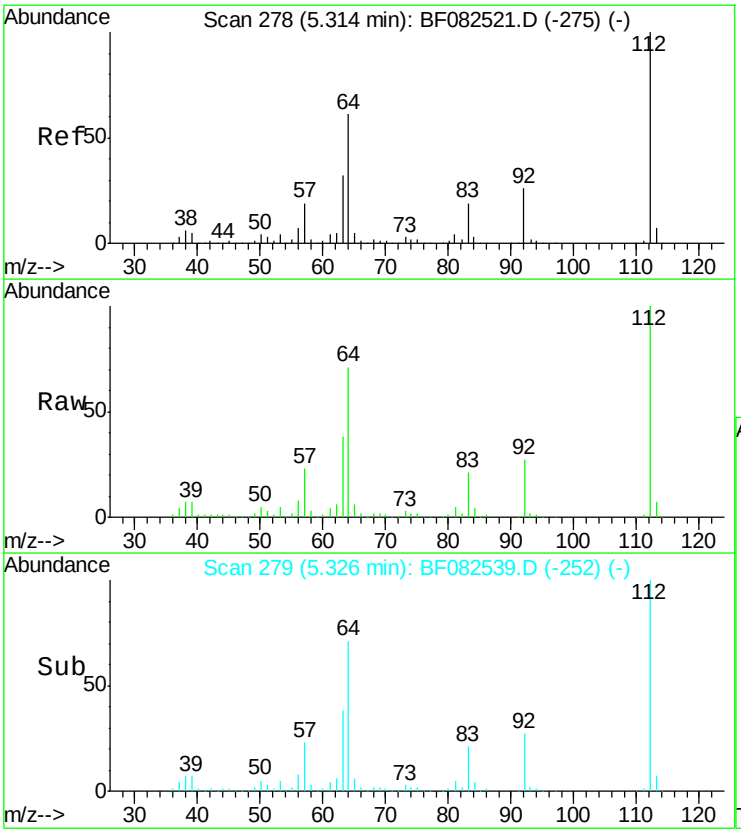
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 402
Delta R.T. 0.00 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:152 Resp: 92825

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.4	185.0
115	50.2	39.0	58.4

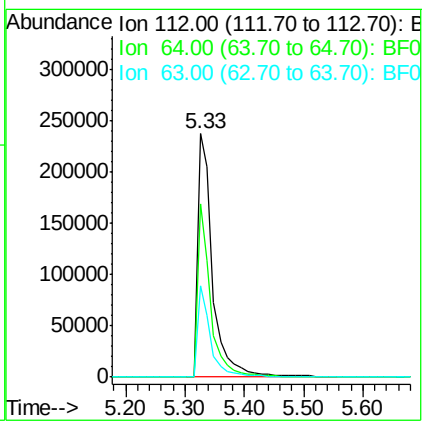


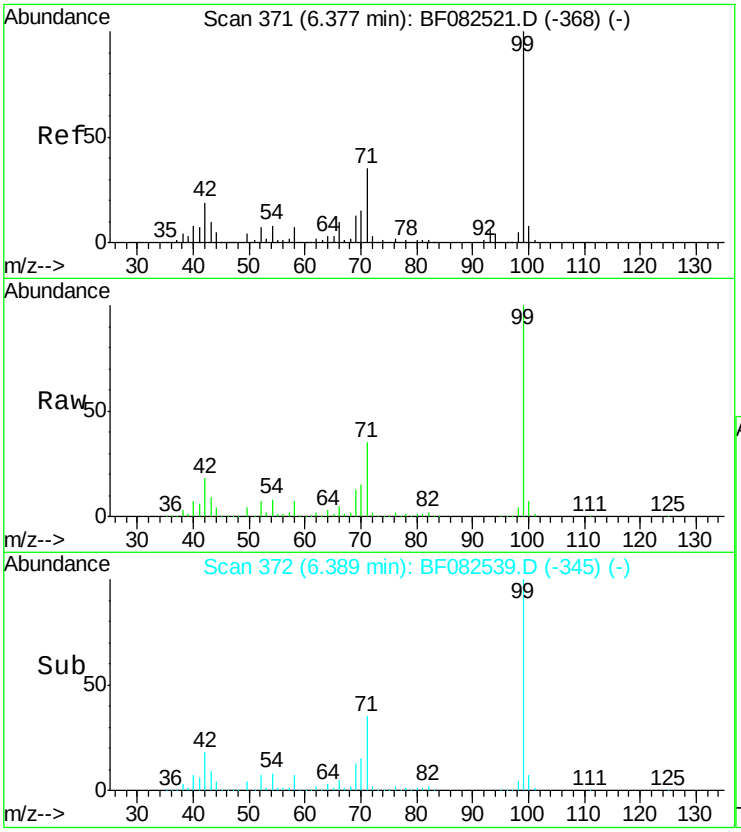


#5
2-Fluorophenol
Concen: 90.41 ng
RT: 5.33 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:112 Resp: 425100

Ion	Ratio	Lower	Upper
112	100		
64	71.3	49.0	73.4
63	37.7	25.8	38.6



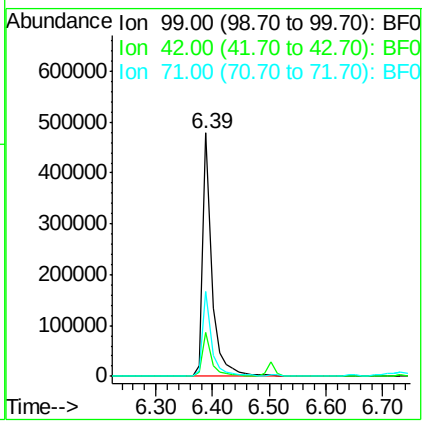


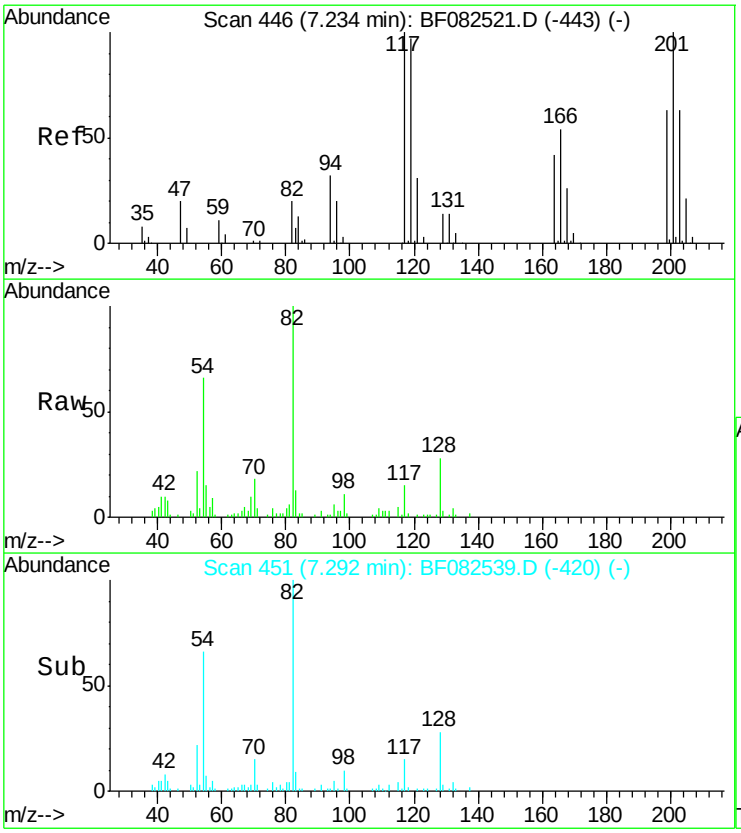
#7
Phenol-d6
Concen: 84.83 ng
RT: 6.39 min Scan# 372
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion: 99 Resp: 519906

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.1	22.7
71	35.1	28.2	42.2

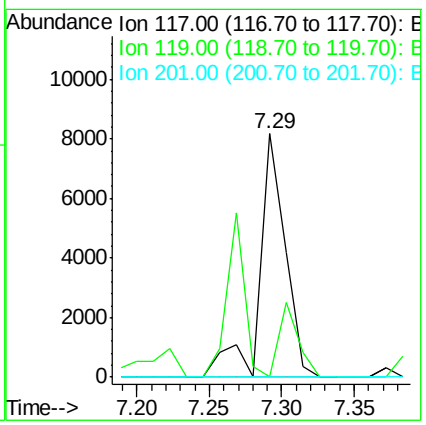


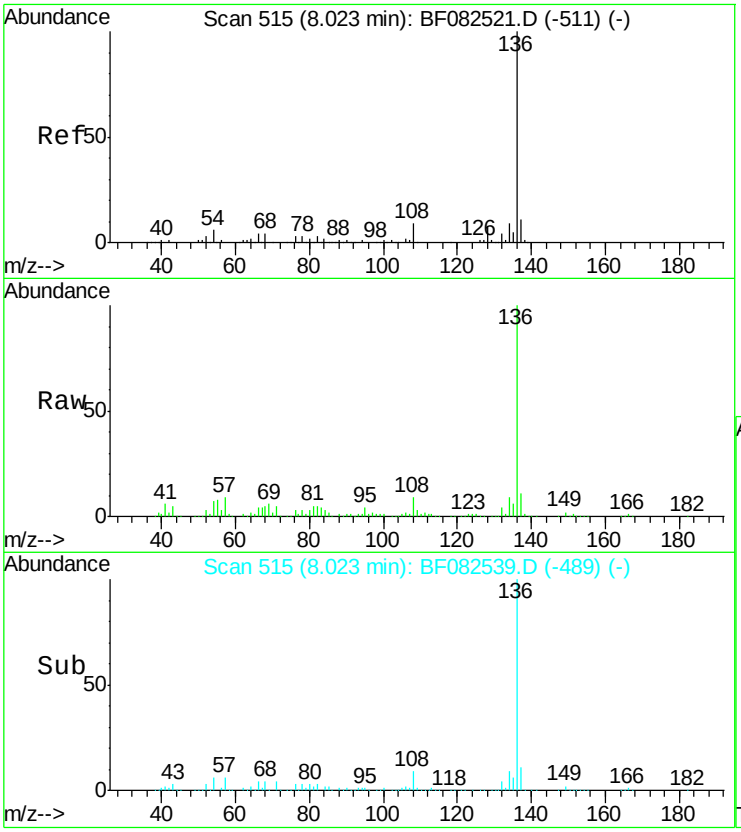


#18
Hexachloroethane
Concen: 4.35 ng
RT: 7.29 min Scan# 451
Delta R.T. 0.06 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:117 Resp: 10023

Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.5	116.3#
201	0.0	80.1	120.1#



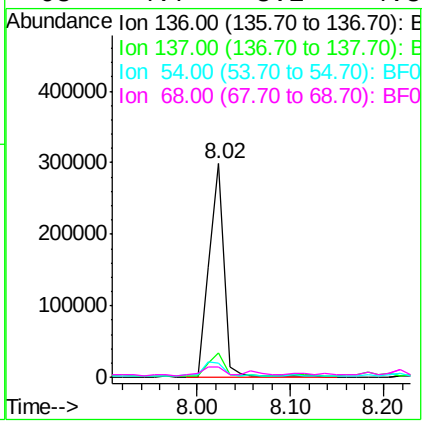


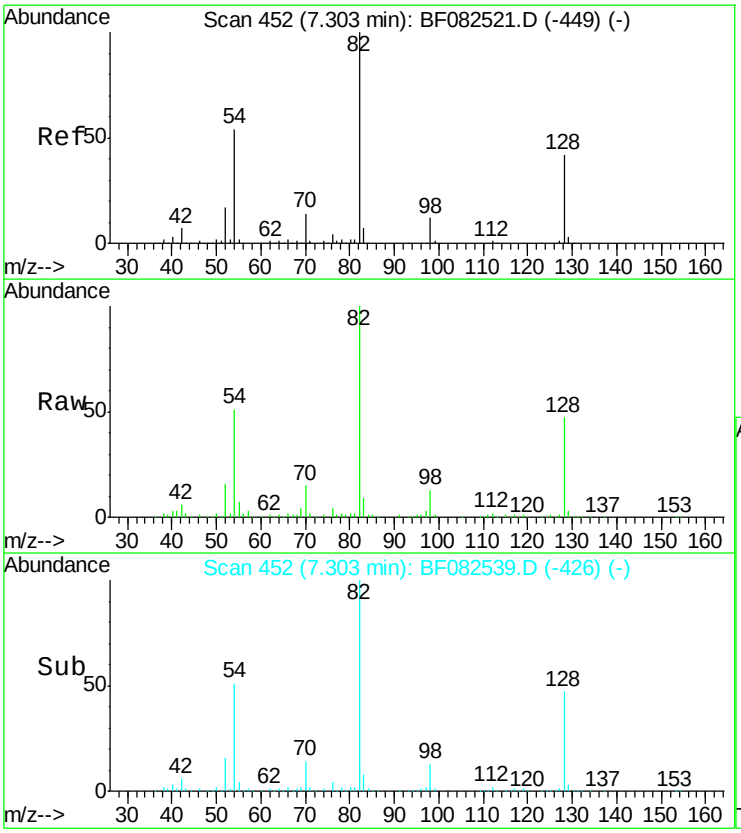
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:136 Resp: 328228

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	6.6	4.6	7.0
68	4.7	3.2	4.8

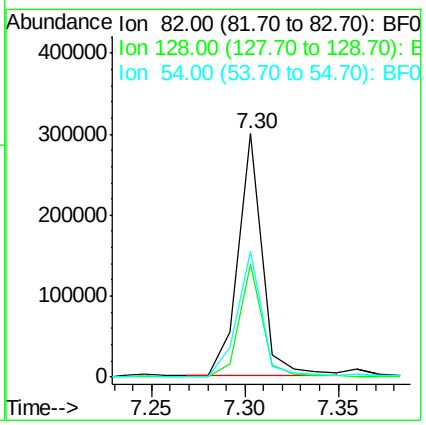


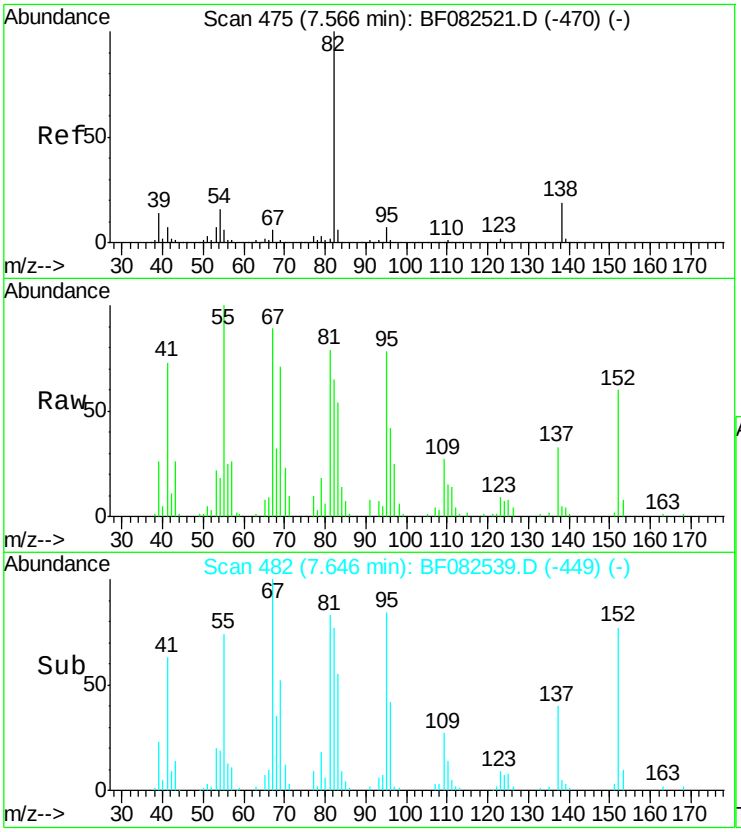


#23
Nitrobenzene-d5
Concen: 53.35 ng
RT: 7.30 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion: 82 Resp: 271426

Ion	Ratio	Lower	Upper
82	100		
128	46.6	33.4	50.0
54	51.5	43.5	65.3



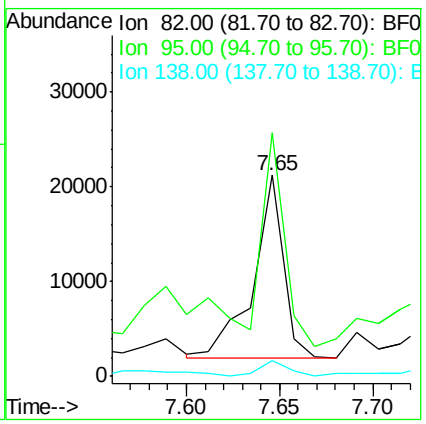


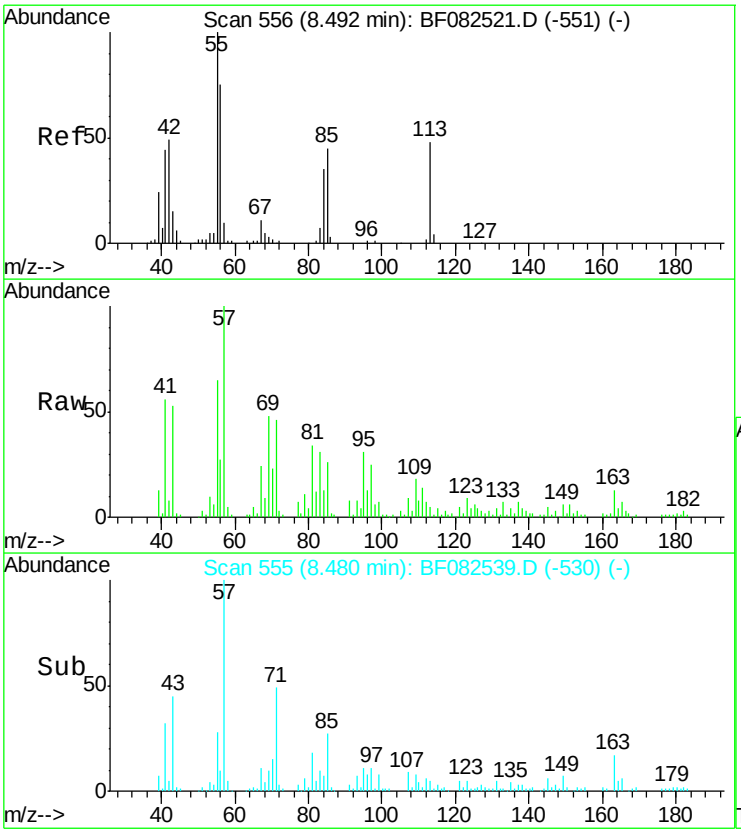
#25
Isophorone
Concen: 2.16 ng
RT: 7.65 min Scan# 482
Delta R.T. 0.08 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion: 82 Resp: 21862

Ion	Ratio	Lower	Upper
82	100		
95	120.9	5.7	8.5#
138	8.0	15.0	22.4#

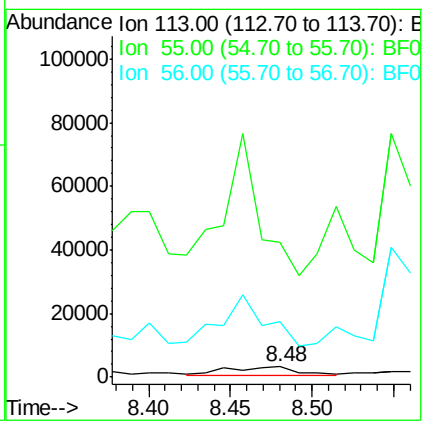


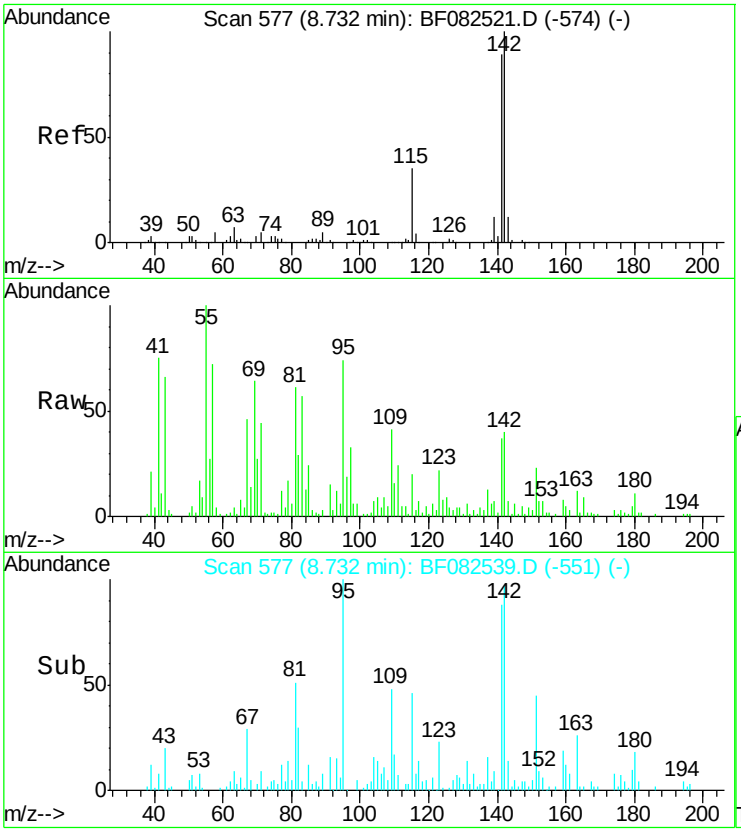


#35
Caprolactam
Concen: 6.35 ng
RT: 8.48 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:113 Resp: 7856

Ion	Ratio	Lower	Upper
113	100		
55	1294.0	188.9	228.9#
56	534.4	135.8	175.8#



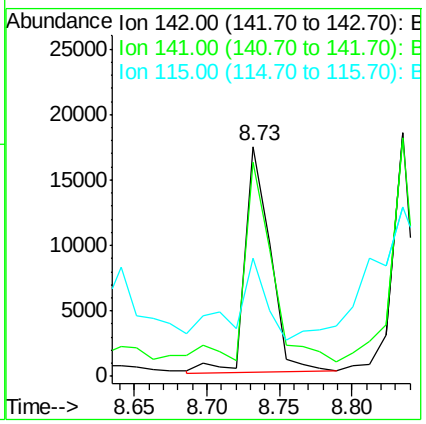


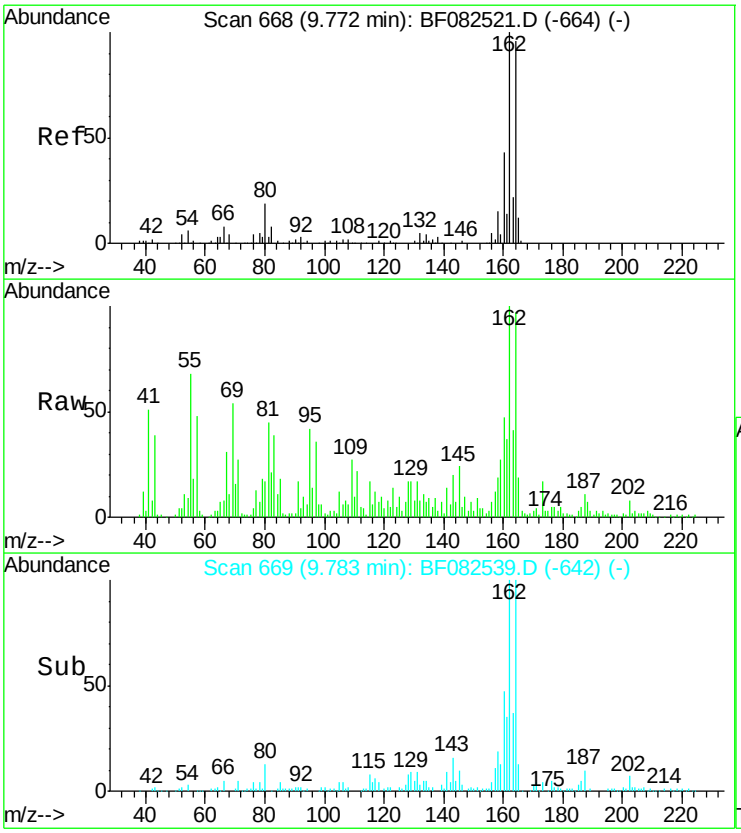
#37
2-Methylnaphthalene
Concen: 2.07 ng
RT: 8.73 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:142 Resp: 21003

Ion	Ratio	Lower	Upper
142	100		
141	93.4	71.0	106.6
115	51.3	28.0	42.0#

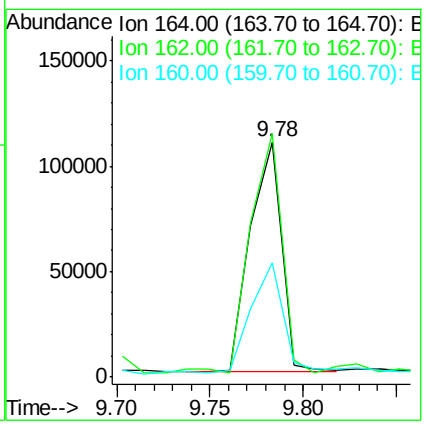


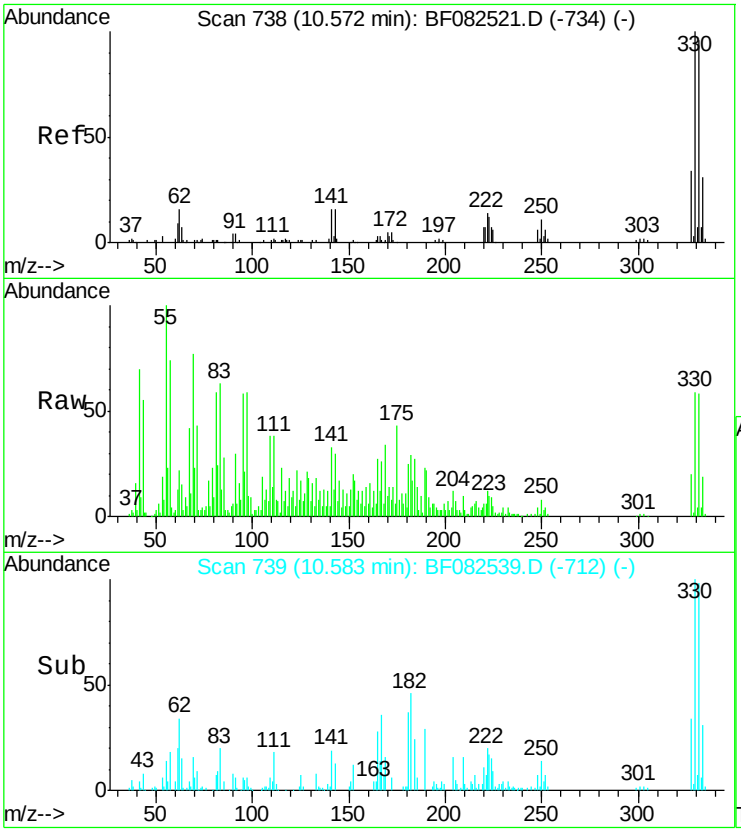


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 669
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:164 Resp: 127091

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.6	125.4
160	48.5	36.0	54.0



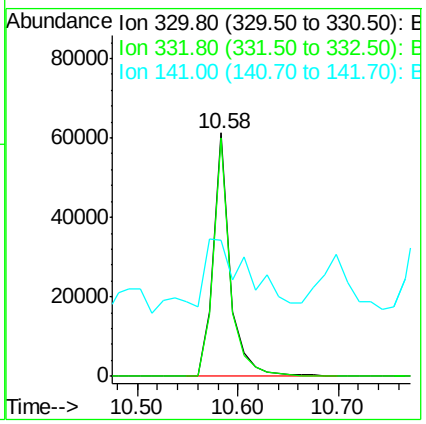


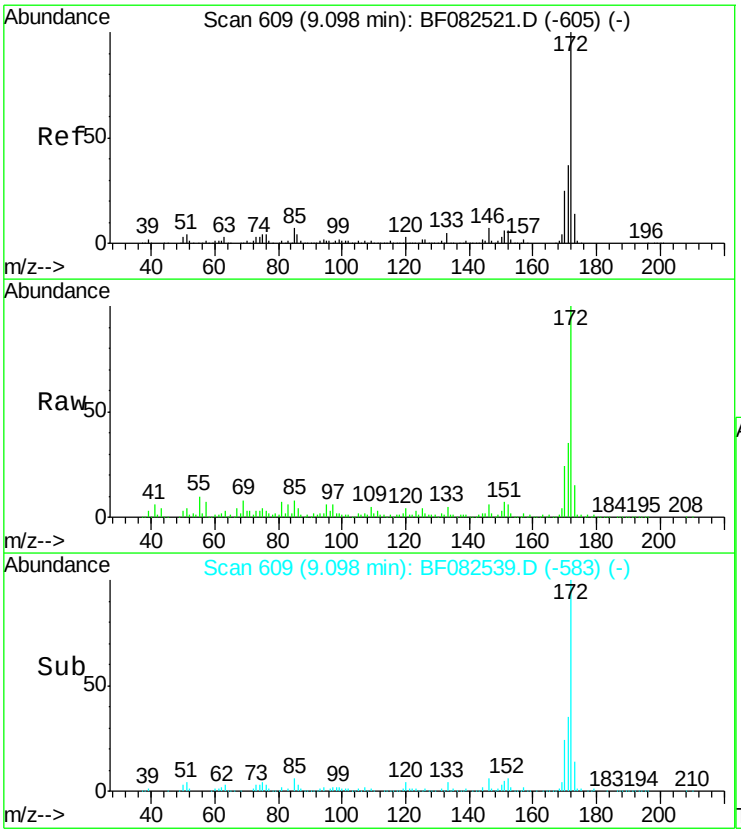
#41
2,4,6-Tribromophenol
Concen: 75.45 ng
RT: 10.58 min Scan# 739
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:330 Resp: 71806

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	91.7	32.5	48.7#

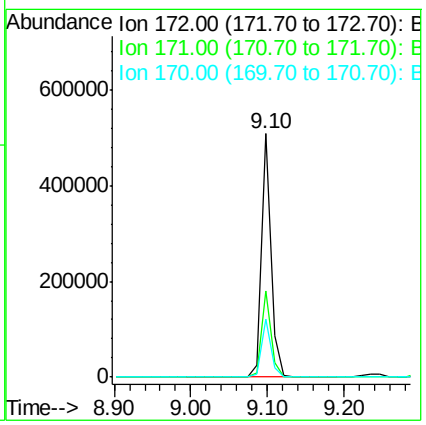


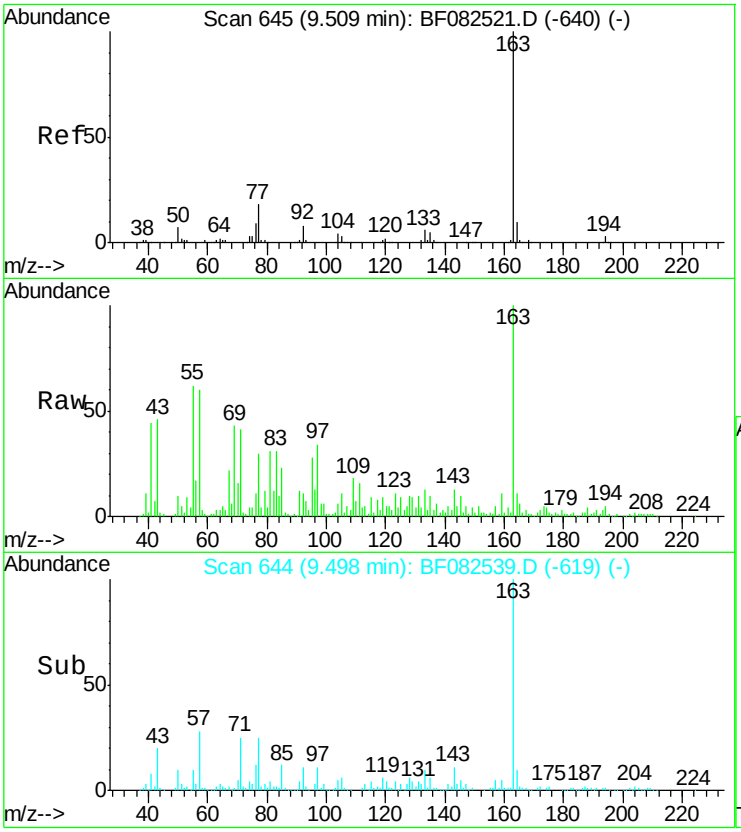


#44
2-Fluorobiphenyl
Concen: 54.68 ng
RT: 9.10 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:172 Resp: 436986

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	24.0	19.8	29.6



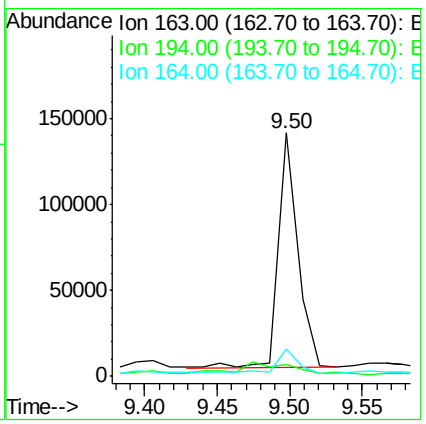


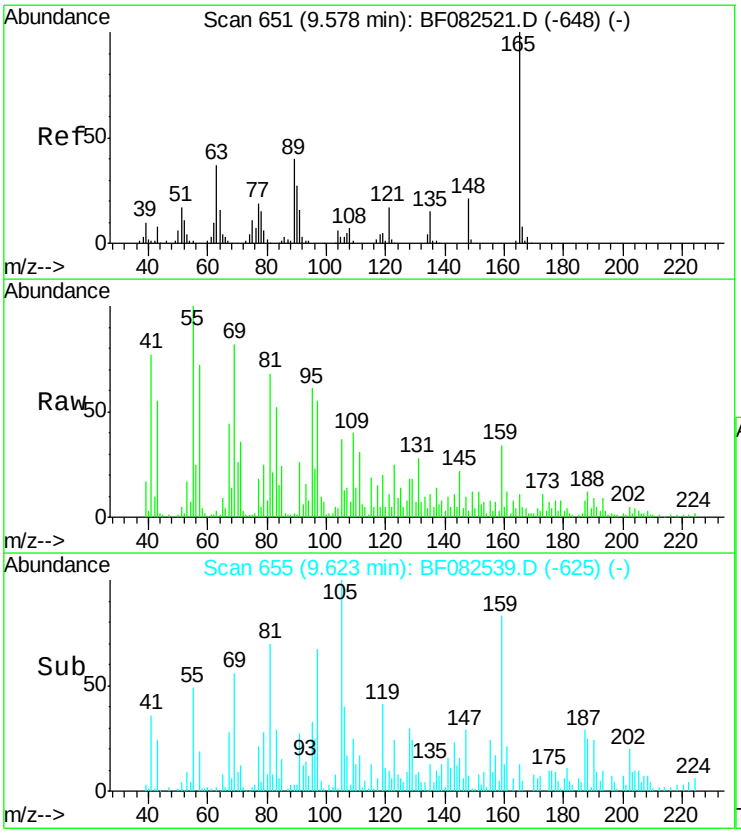
#49
Dimethylphthalate
Concen: 14.48 ng
RT: 9.50 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:163 Resp: 128060

Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.8	4.2#
164	11.1	8.2	12.4

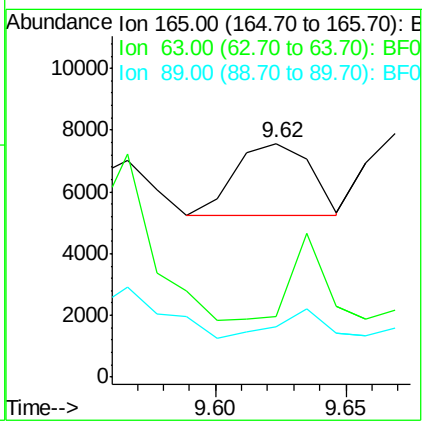


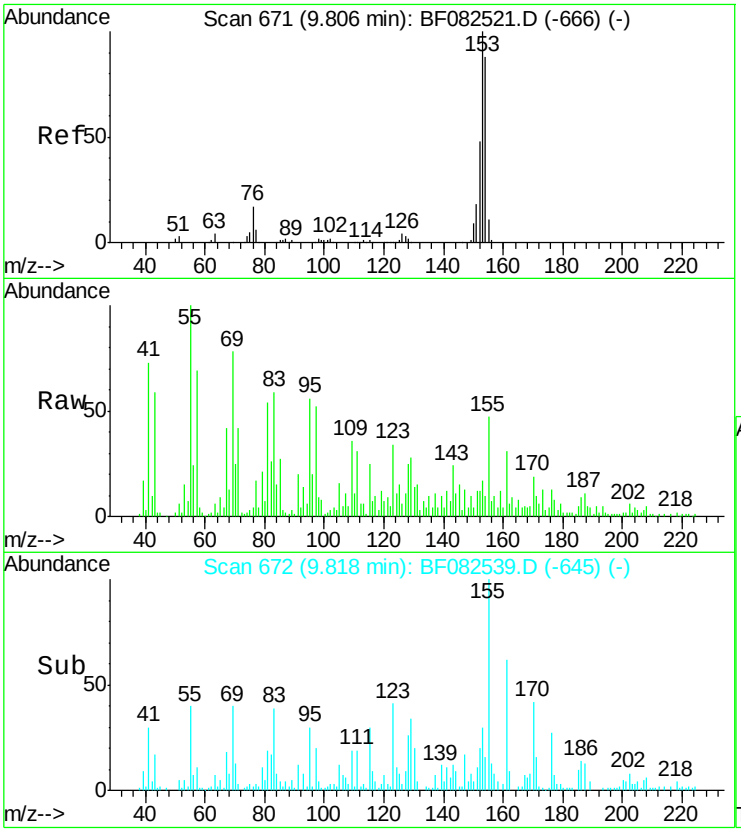


#50
2,6-Dinitrotoluene
Concen: 2.44 ng
RT: 9.62 min Scan# 655
Delta R.T. 0.05 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:165 Resp: 4723

Ion	Ratio	Lower	Upper
165	100		
63	25.8	30.7	46.1#
89	21.7	31.8	47.8#



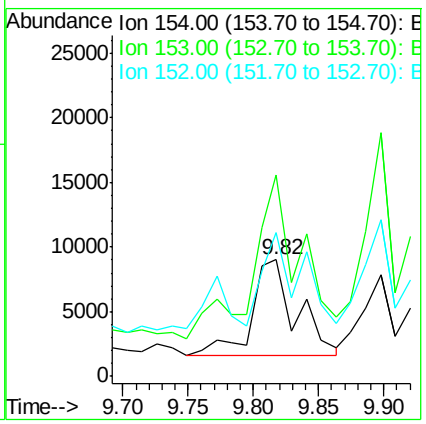


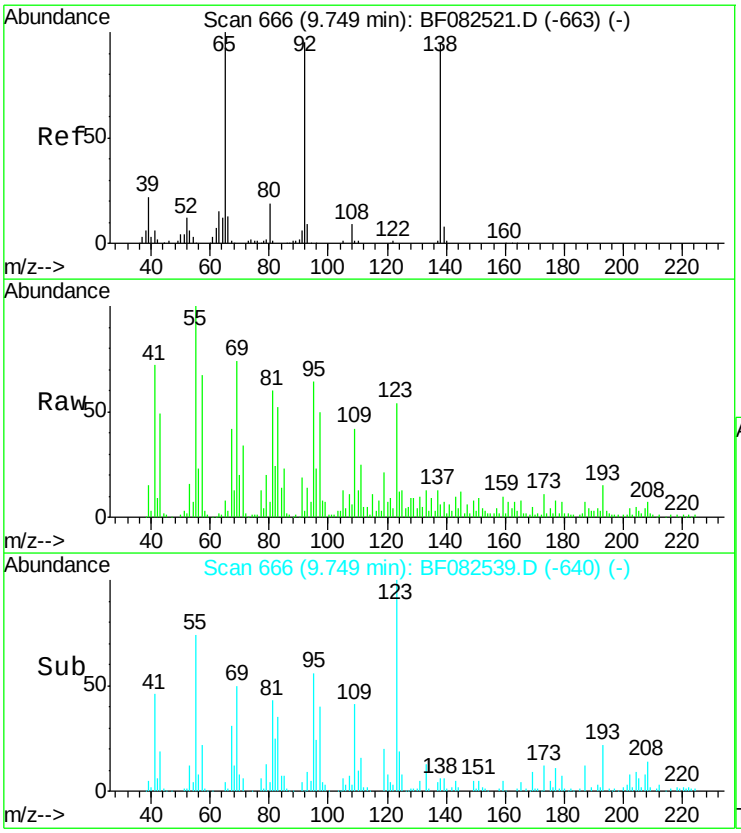
#51
Acenaphthene
Concen: 2.54 ng
RT: 9.82 min Scan# 672
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:154 Resp: 17371

Ion	Ratio	Lower	Upper
154	100		
153	173.4	90.7	136.1#
152	123.5	44.0	66.0#

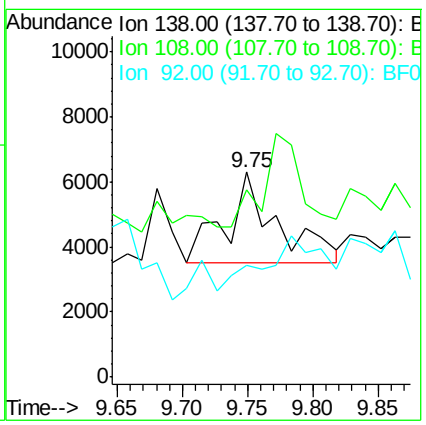


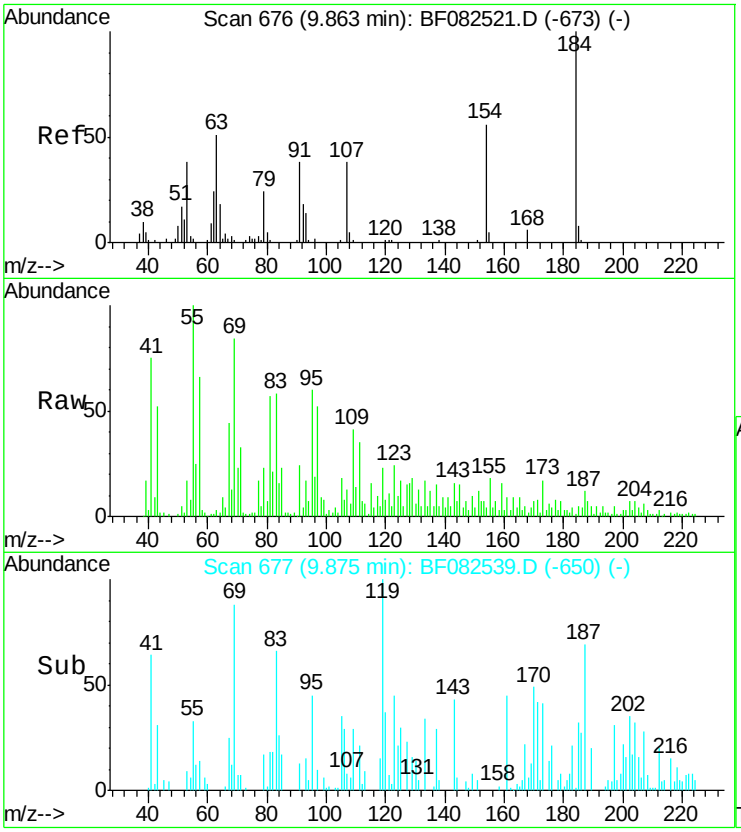


#52
3-Nitroaniline
Concen: 3.52 ng
RT: 9.75 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:138 Resp: 7412

Ion	Ratio	Lower	Upper
138	100		
108	91.4	7.4	11.2#
92	54.5	80.2	120.2#



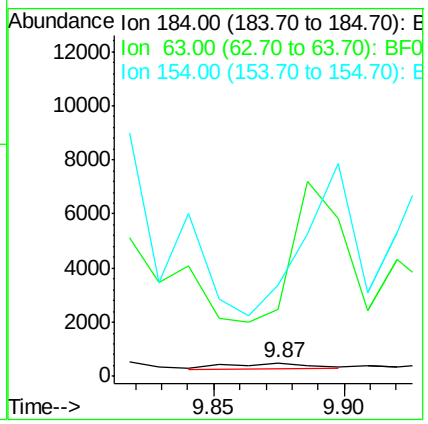


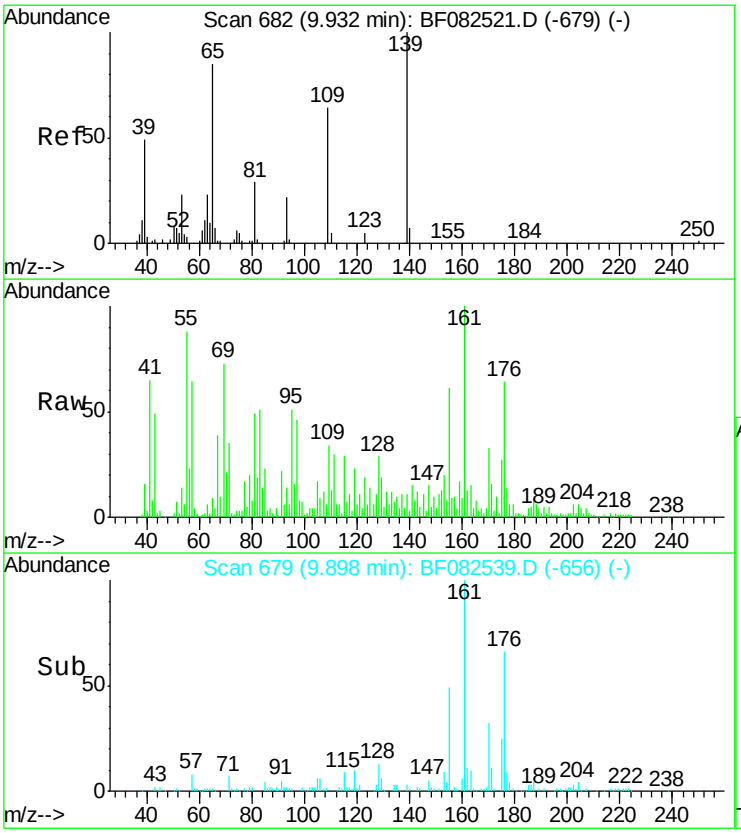
#53
2,4-Dinitrophenol
Concen: 5.32 ng
RT: 9.87 min Scan# 677
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:184 Resp: 464

Ion	Ratio	Lower	Upper
184	100		
63	493.1	41.4	62.0#
154	666.3	48.2	72.2#

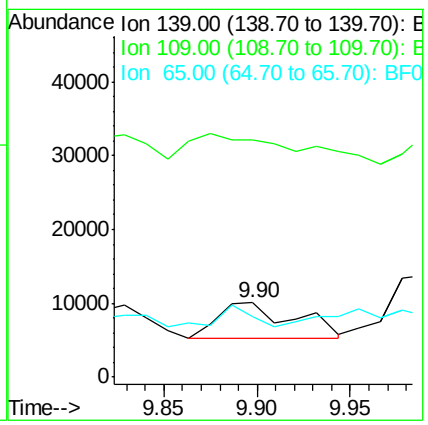


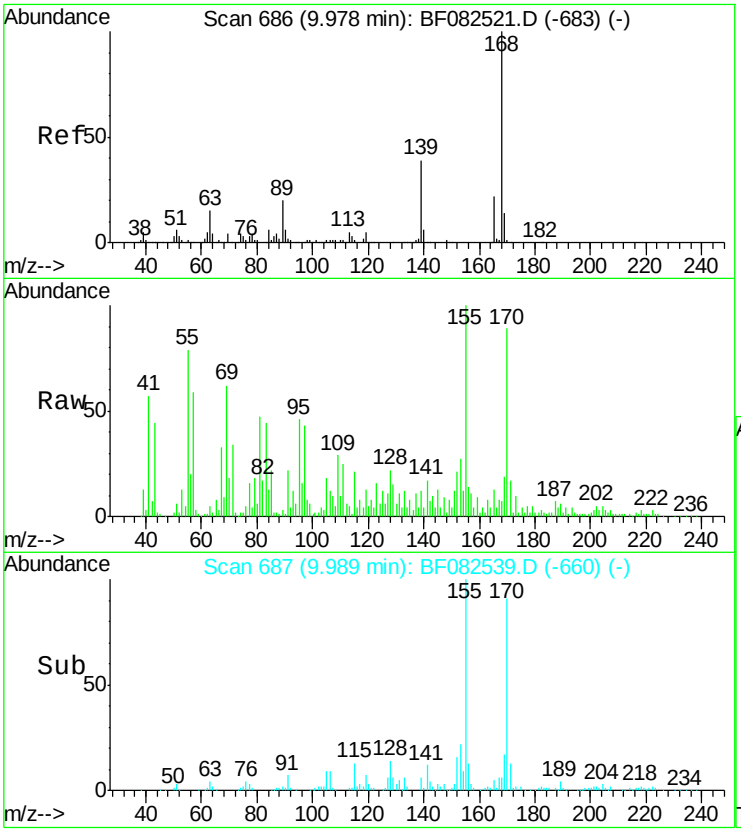


#55
4-Nitrophenol
Concen: 23.23 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:139 Resp: 13507

Ion	Ratio	Lower	Upper
139	100		
109	319.3	44.2	84.2#
65	81.1	68.1	108.1



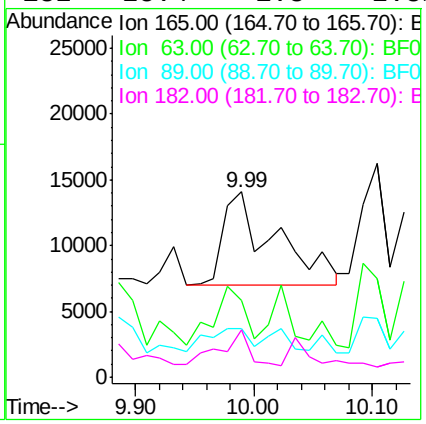


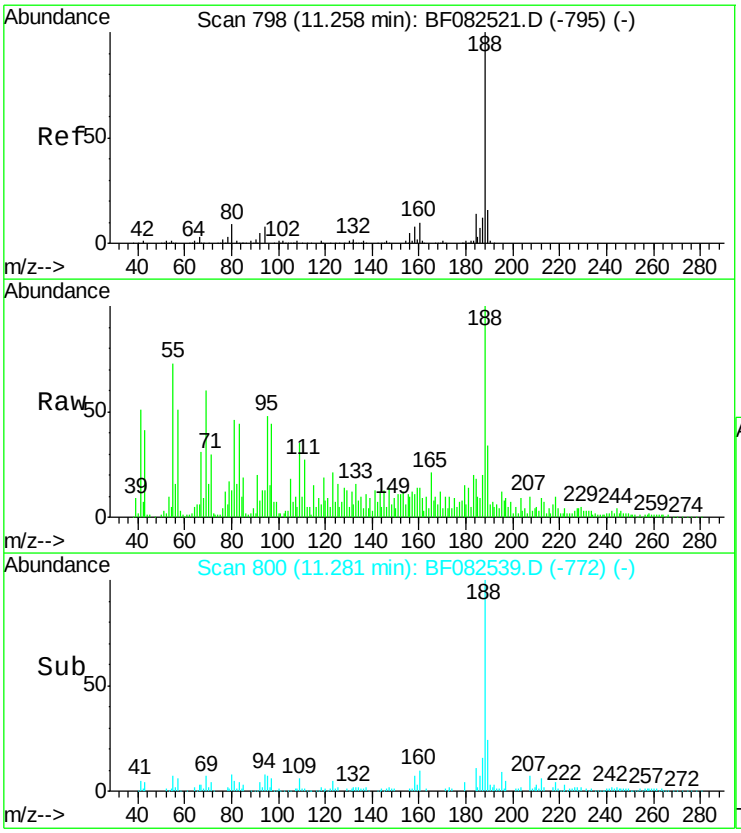
#56
2,4-Dinitrotoluene
Concen: 8.98 ng
RT: 9.99 min Scan# 687
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:165 Resp: 21121

Ion	Ratio	Lower	Upper
165	100		
63	41.7	58.6	88.0#
89	26.1	72.3	108.5#
182	25.4	1.8	2.8#

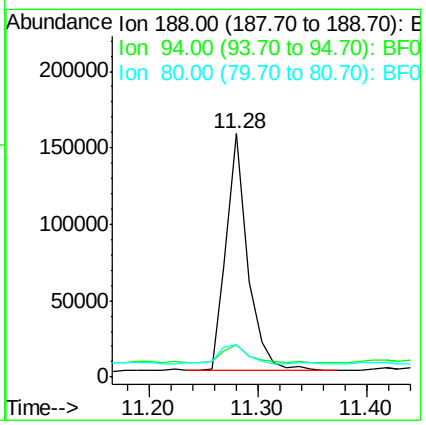


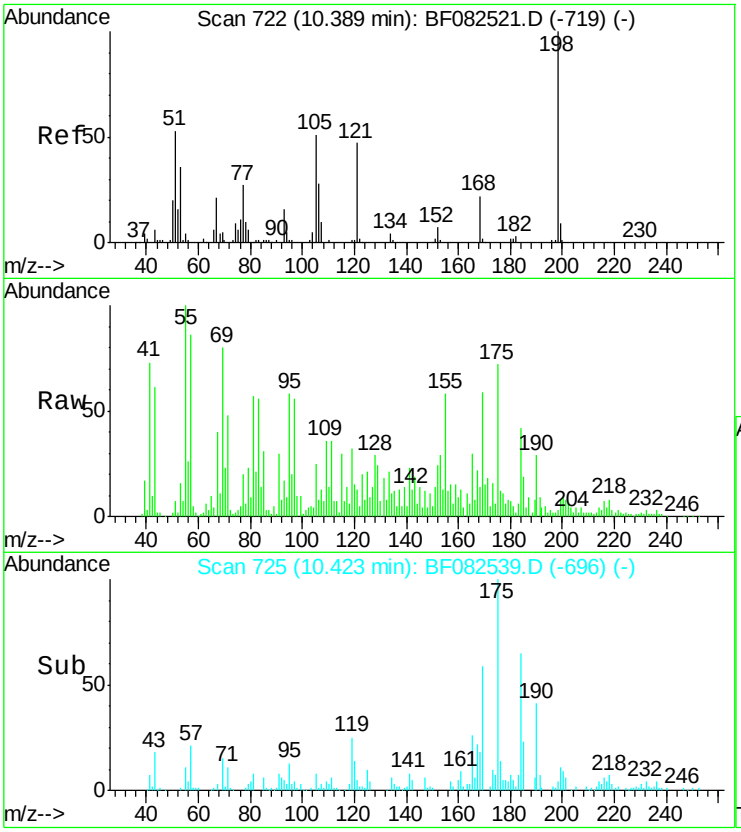


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 800
Delta R.T. 0.02 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:188 Resp: 212331

Ion	Ratio	Lower	Upper
188	100		
94	13.3	6.4	9.6#
80	13.5	7.0	10.6#



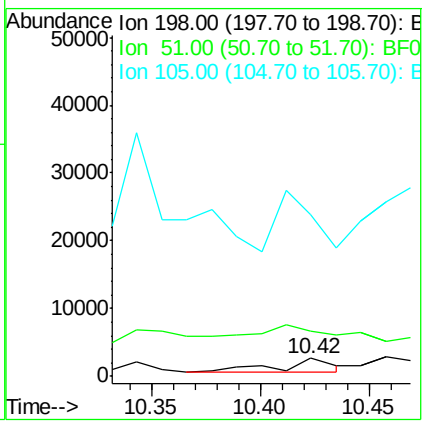


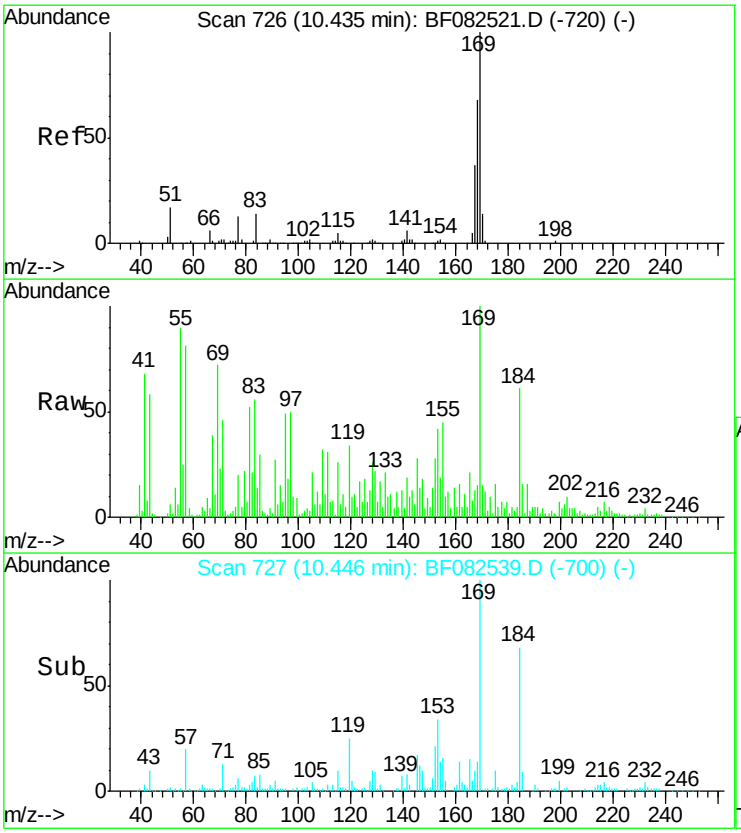
#64
4,6-Dinitro-2-methylphenol
Concen: 2.71 ng
RT: 10.42 min Scan# 725
Delta R.T. 0.03 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:198 Resp: 3379

Ion	Ratio	Lower	Upper
198	100		
51	255.1	38.2	78.2#
105	909.9	32.2	72.2#

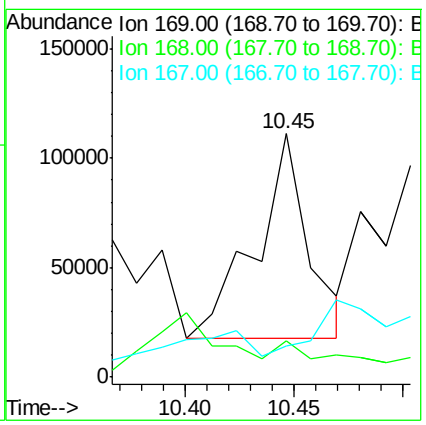


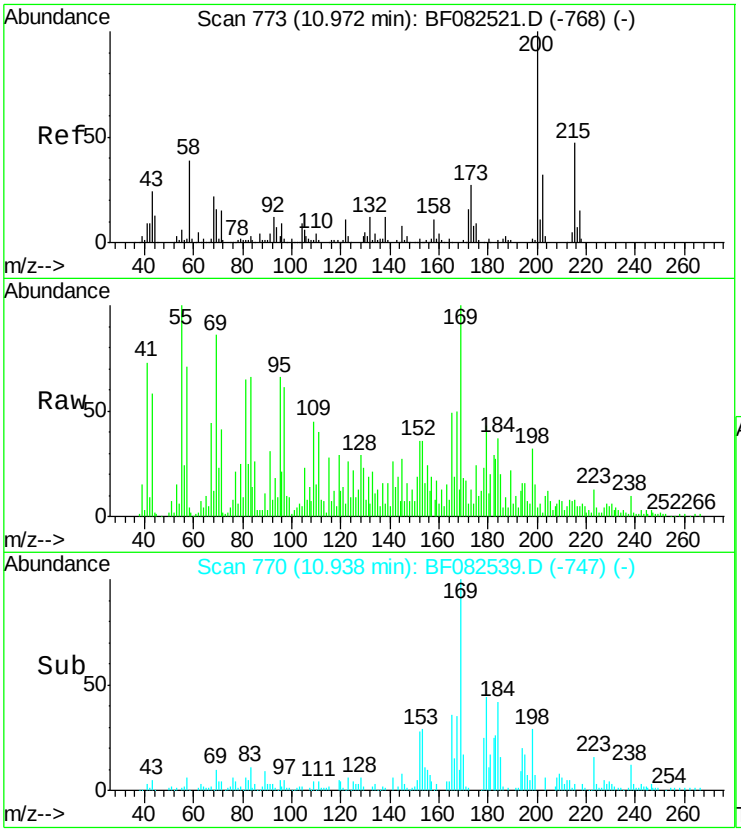


#65
n-Nitrosodiphenylamine
Concen: 24.58 ng
RT: 10.45 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:169 Resp: 157917

Ion	Ratio	Lower	Upper
169	100		
168	15.1	54.8	82.2#
167	12.8	29.5	44.3#



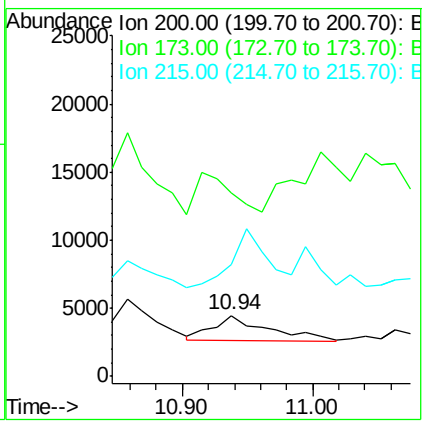


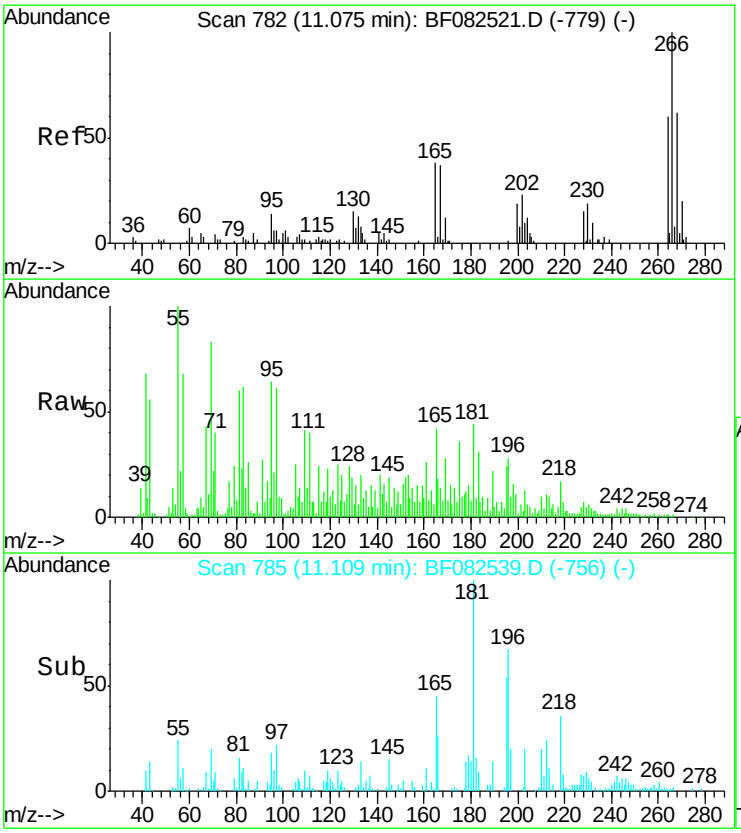
#68
Atrazine
Concen: 2.62 ng
RT: 10.94 min Scan# 770
Delta R.T. -0.03 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:200 Resp: 5205

Ion	Ratio	Lower	Upper
200	100		
173	299.4	7.2	47.2#
215	183.7	27.0	67.0#

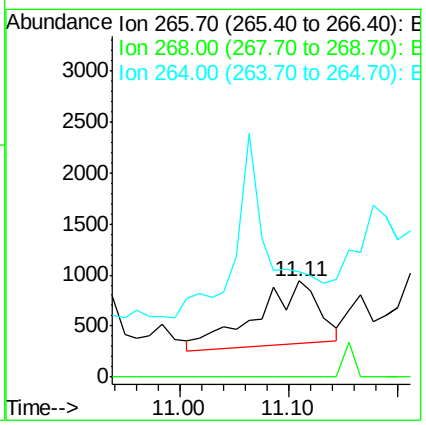


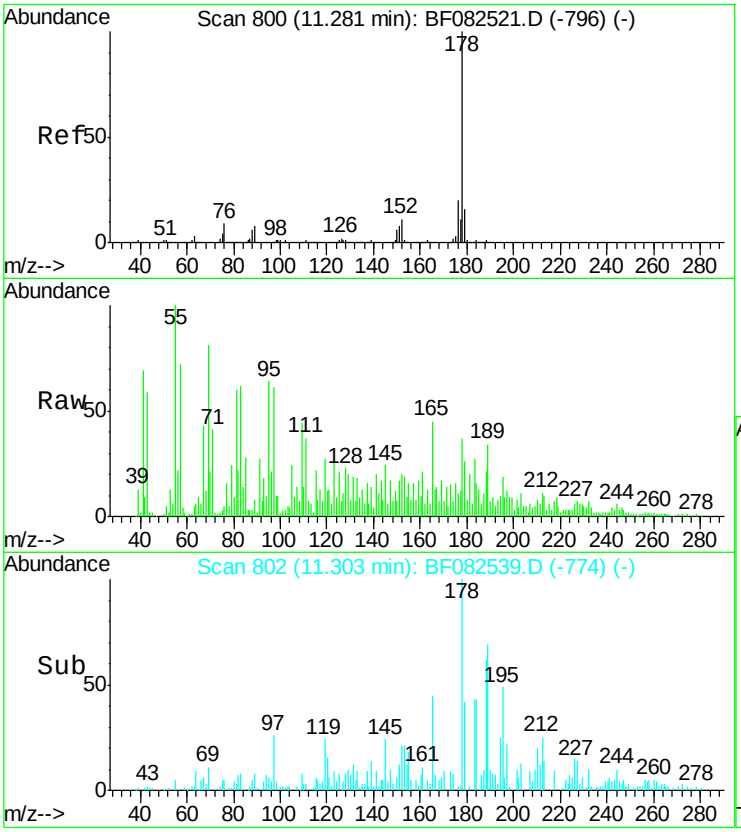


#69
Pentachlorophenol
Concen: 9.93 ng
RT: 11.11 min Scan# 785
Delta R.T. 0.04 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:266 Resp: 2490

Ion	Ratio	Lower	Upper
266	100		
268	0.0	49.5	74.3#
264	110.0	48.0	72.0#



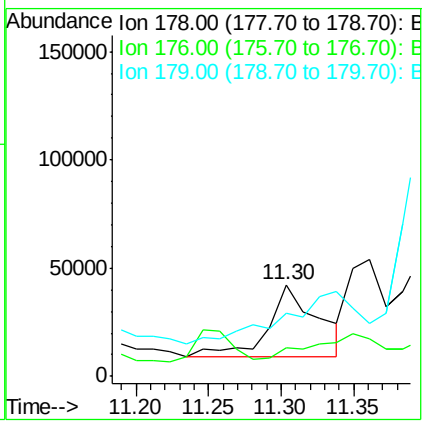


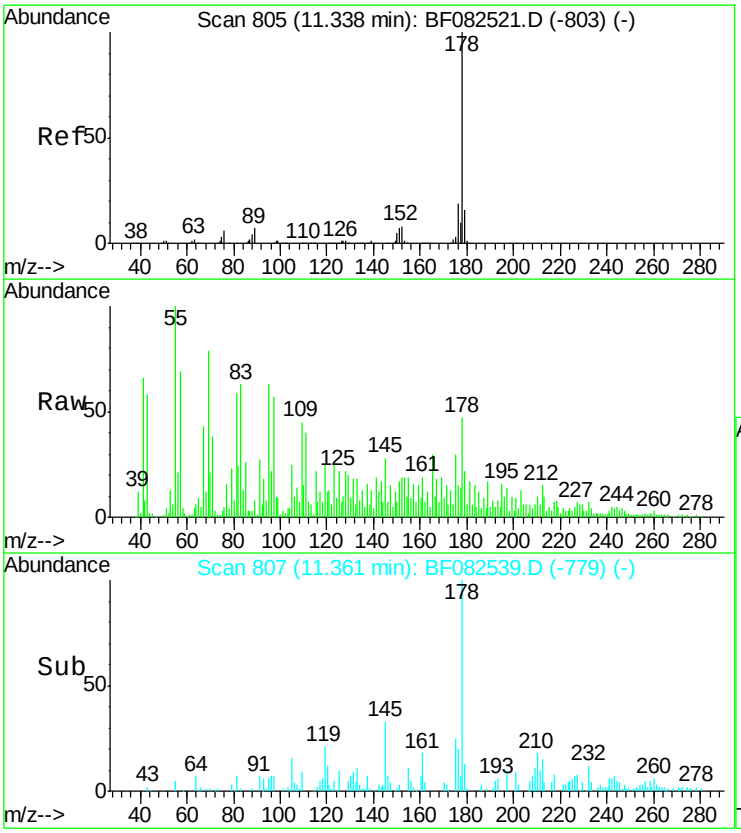
#70
Phenanthrene
Concen: 7.22 ng
RT: 11.30 min Scan# 802
Delta R.T. 0.02 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:178 Resp: 78861

Ion	Ratio	Lower	Upper
178	100		
176	30.6	15.9	23.9#
179	68.7	12.8	19.2#

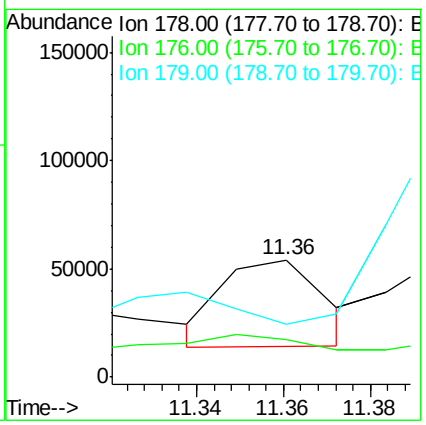


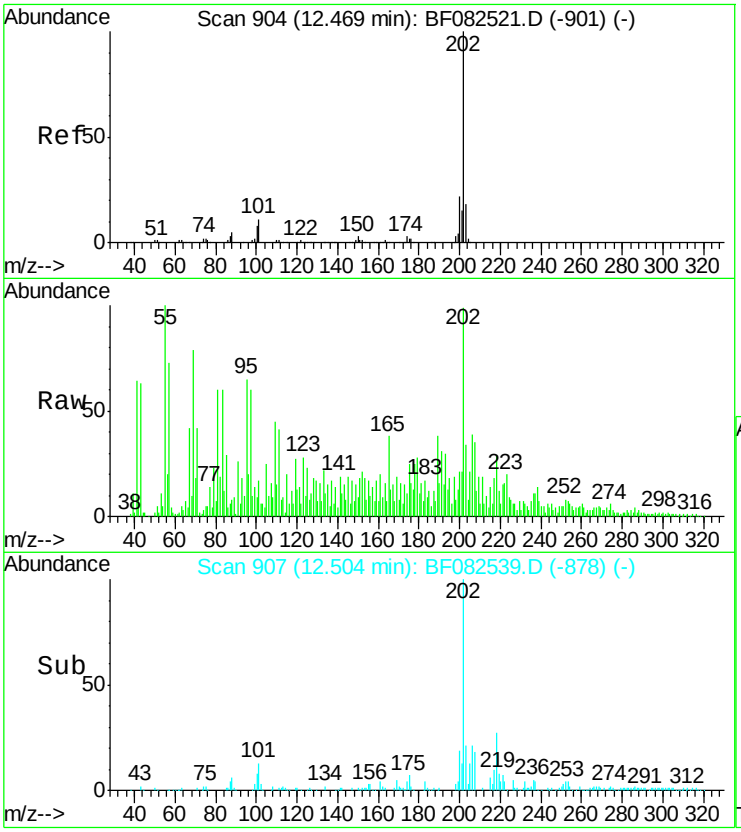


#71
Anthracene
Concen: 5.88 ng
RT: 11.36 min Scan# 807
Delta R.T. 0.02 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:178 Resp: 64730

Ion	Ratio	Lower	Upper
178	100		
176	31.9	15.2	22.8#
179	45.3	12.6	19.0#



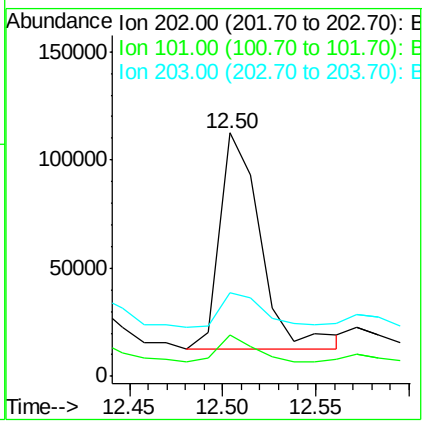


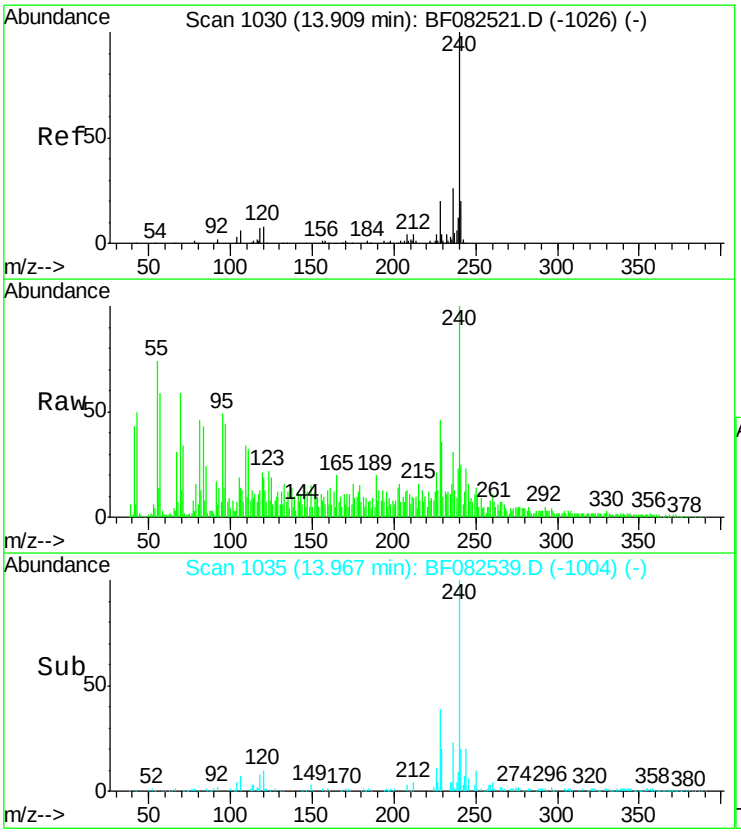
#74
Fluoranthene
Concen: 13.77 ng
RT: 12.50 min Scan# 907
Delta R.T. 0.03 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:202 Resp: 154429

Ion	Ratio	Lower	Upper
202	100		
101	16.8	0.0	31.2
203	34.5	0.0	38.1

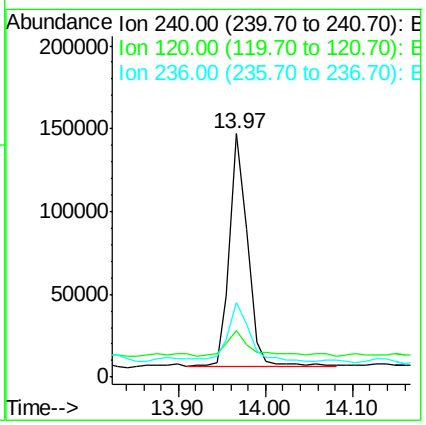


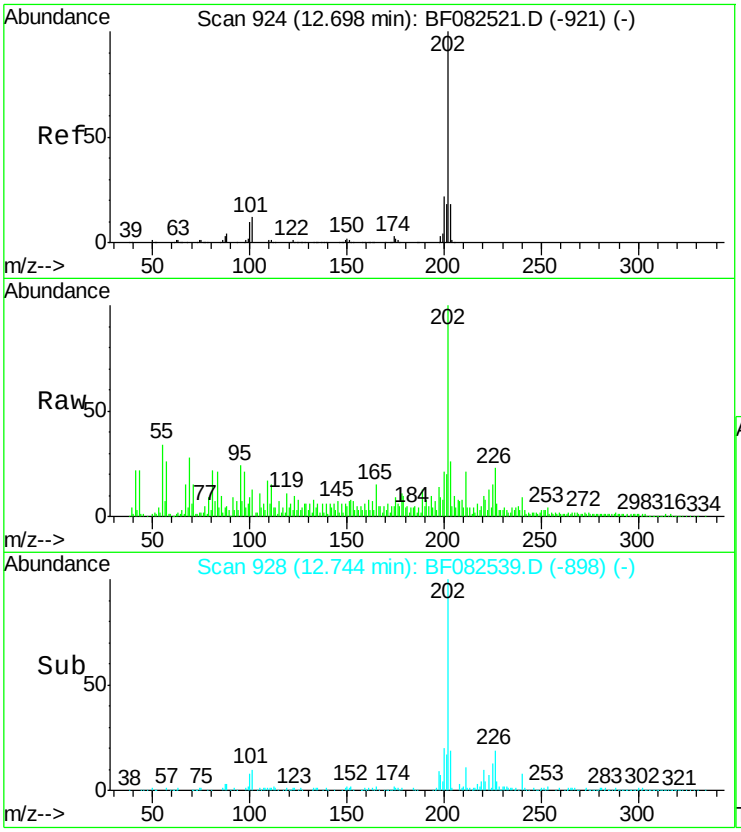


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1035
Delta R.T. 0.06 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:240 Resp: 198552

Ion	Ratio	Lower	Upper
240	100		
120	19.0	6.5	9.7#
236	30.8	20.5	30.7#



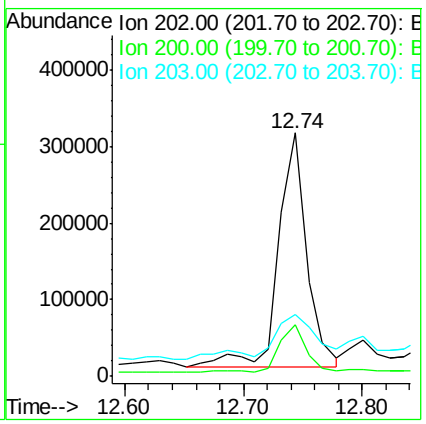


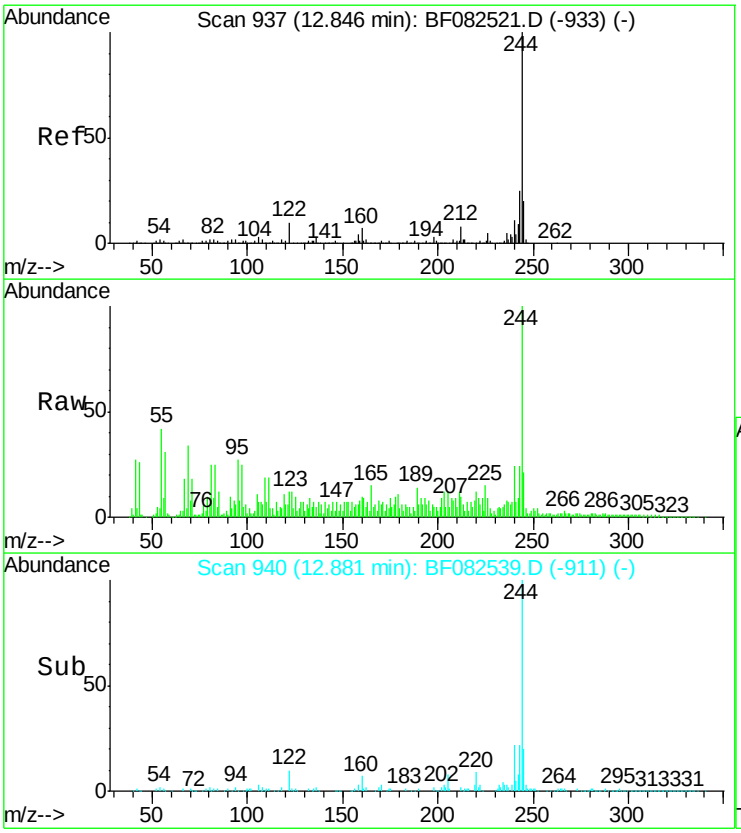
#77
Pyrene
Concen: 41.04 ng
RT: 12.74 min Scan# 928
Delta R.T. 0.05 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:202 Resp: 501168

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	25.7	14.6	22.0#

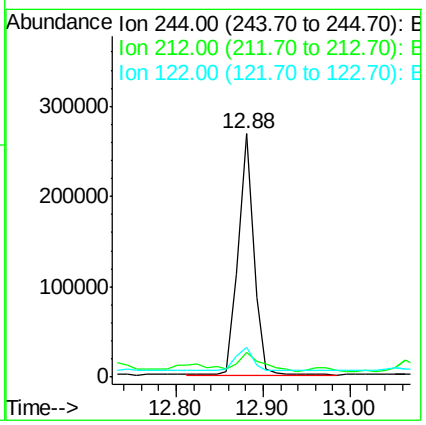


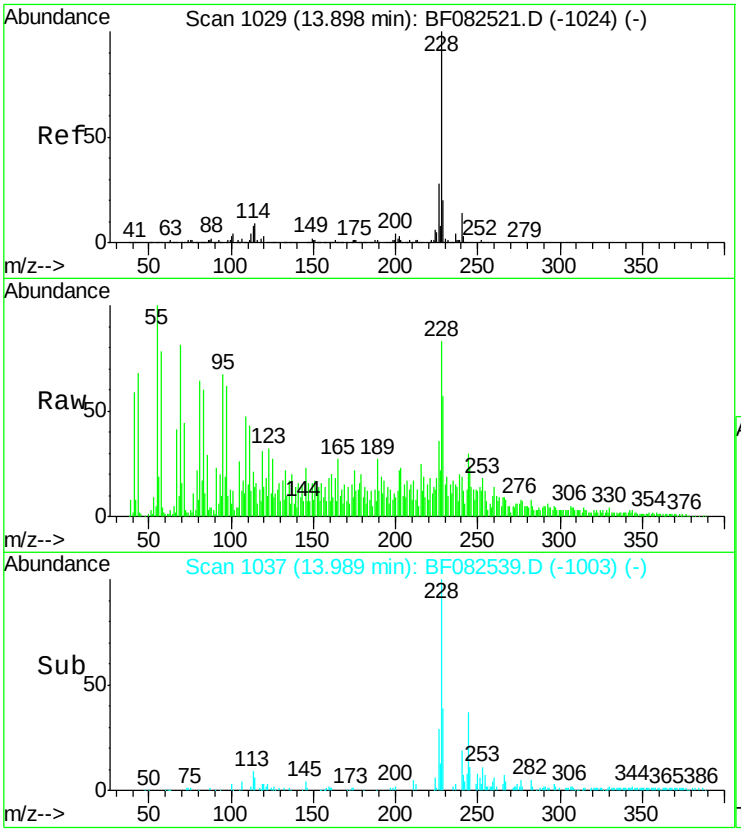


#78
Terphenyl-d14
Concen: 47.86 ng
RT: 12.88 min Scan# 940
Delta R.T. 0.03 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:244 Resp: 329849

Ion	Ratio	Lower	Upper
244	100		
212	10.0	6.4	9.6#
122	12.3	8.1	12.1#



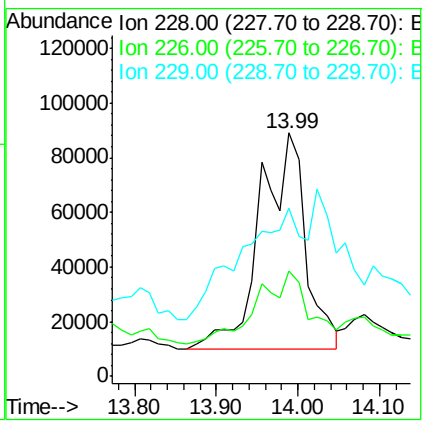


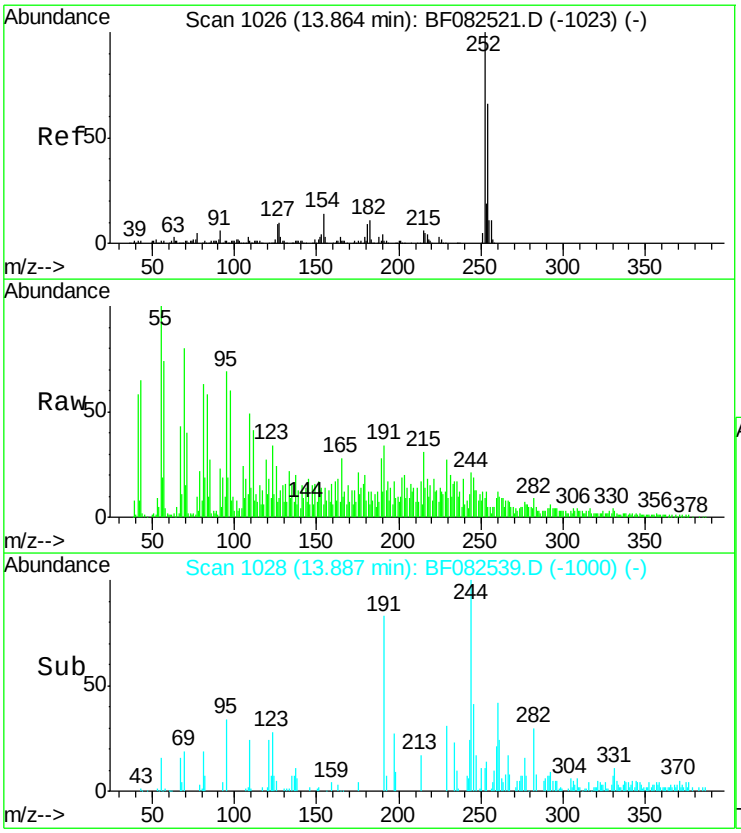
#80
Benzo(a)anthracene
Concen: 28.64 ng
RT: 13.99 min Scan# 1037
Delta R.T. 0.09 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:228 Resp: 304833

Ion	Ratio	Lower	Upper
228	100		
226	43.1	22.1	33.1#
229	69.3	16.1	24.1#

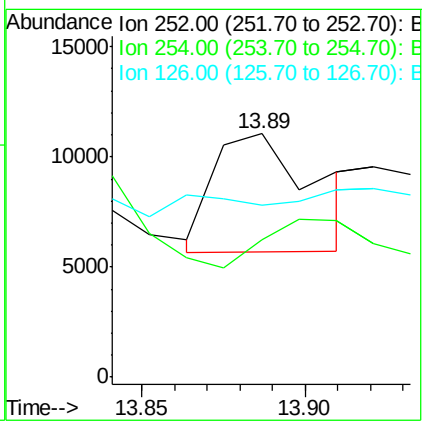


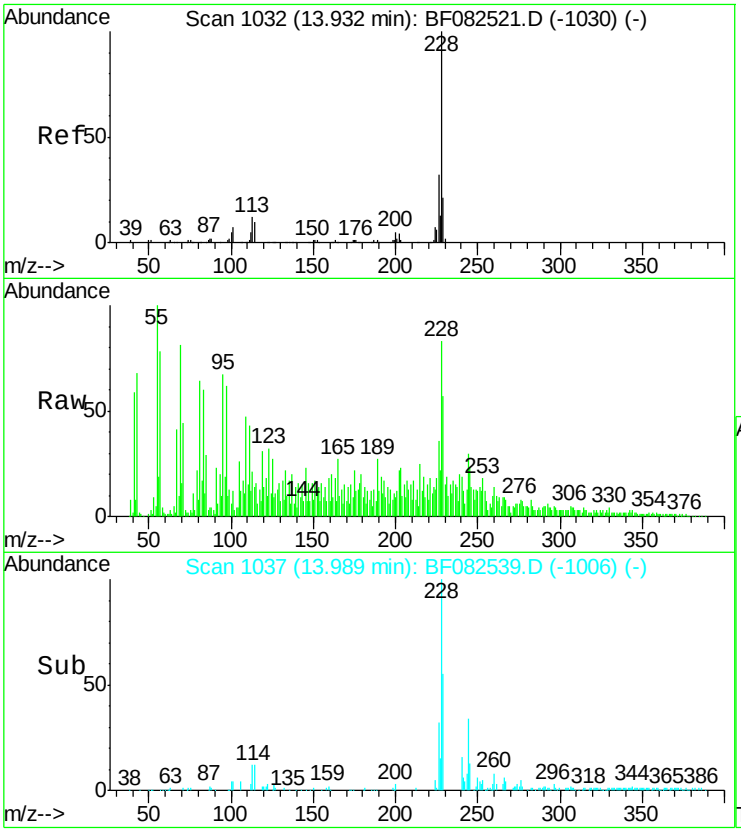


#81
3,3'-Dichlorobenzidine
Concen: 3.09 ng
RT: 13.89 min Scan# 1028
Delta R.T. 0.02 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:252 Resp: 11416

Ion	Ratio	Lower	Upper
252	100		
254	56.3	53.0	79.6
126	70.8	7.4	11.2#



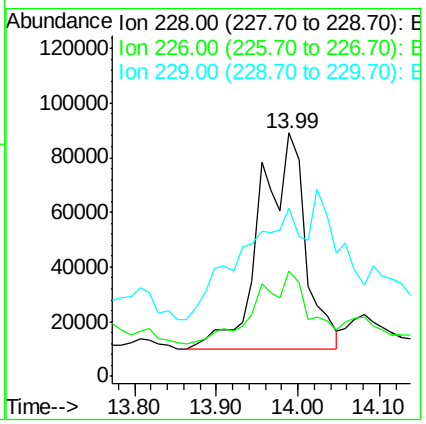


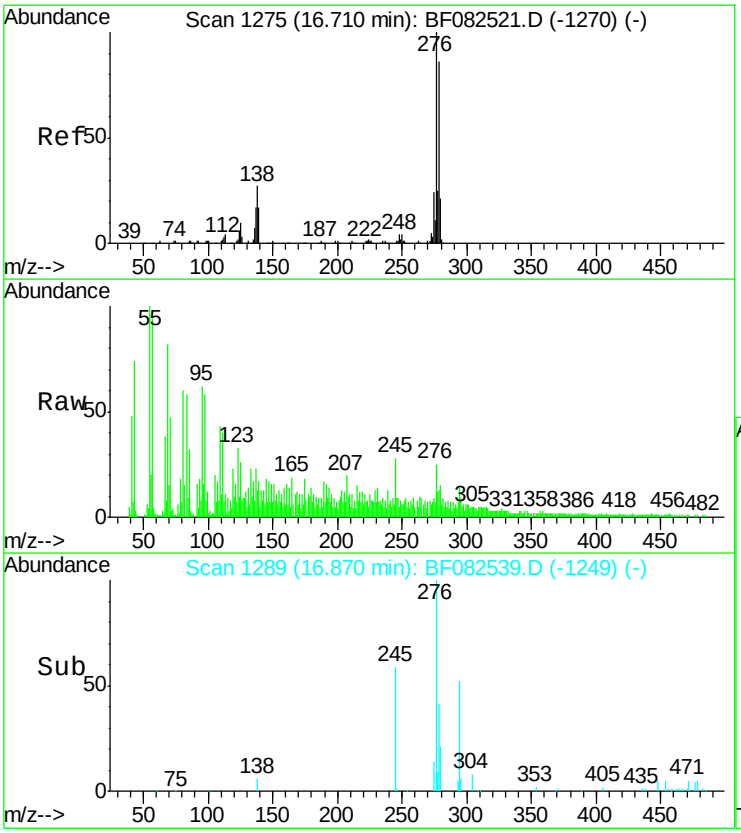
#82
Chrysene
Concen: 30.32 ng
RT: 13.99 min Scan# 1037
Delta R.T. 0.06 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:228 Resp: 304833

Ion	Ratio	Lower	Upper
228	100		
226	43.1	25.2	37.8#
229	69.3	16.3	24.5#

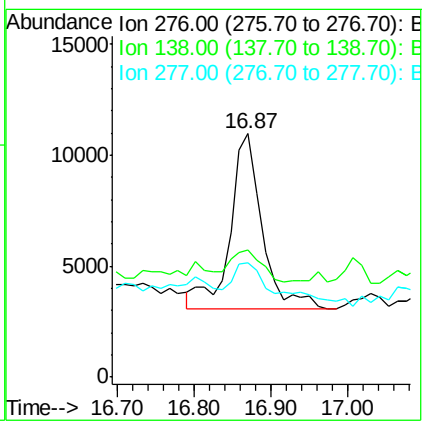


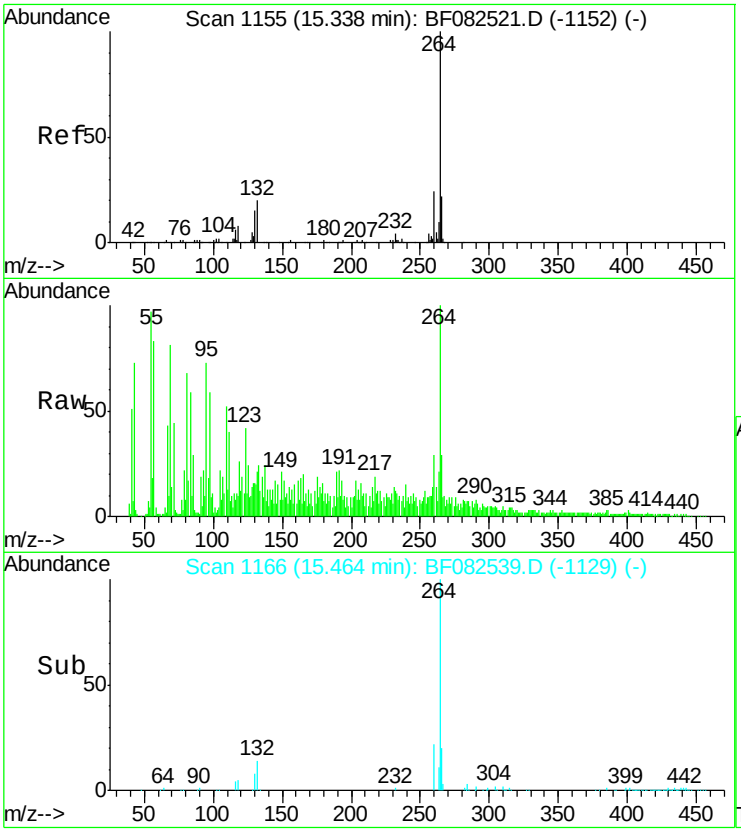


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.50 ng
RT: 16.87 min Scan# 1289
Delta R.T. 0.16 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:276 Resp: 23130

Ion	Ratio	Lower	Upper
276	100		
138	17.0	20.6	30.8#
277	13.7	19.9	29.9#



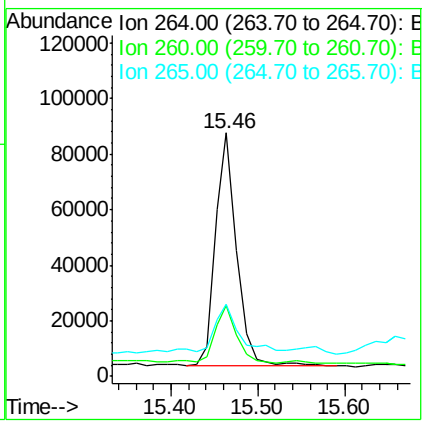


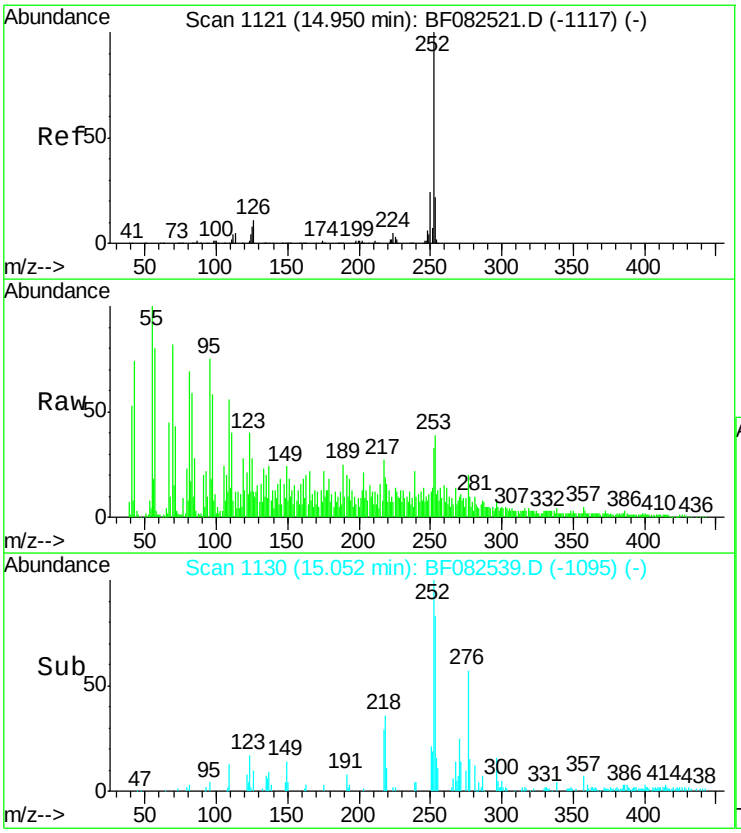
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. 0.13 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:264 Resp: 144188

Ion	Ratio	Lower	Upper
264	100		
260	29.1	19.0	28.6#
265	29.4	17.8	26.6#

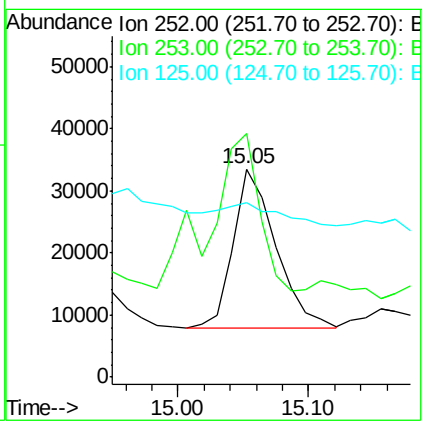


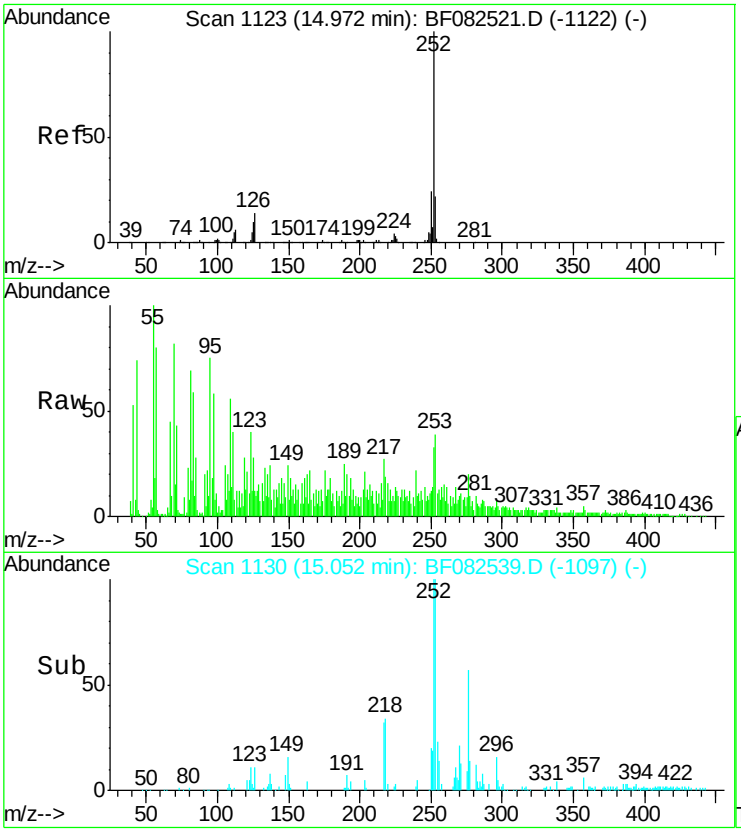


#87
Benzo(b)fluoranthene
Concen: 6.78 ng
RT: 15.05 min Scan# 1130
Delta R.T. 0.10 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:252 Resp: 58082

Ion	Ratio	Lower	Upper
252	100		
253	117.0	17.8	26.8#
125	83.9	6.6	10.0#



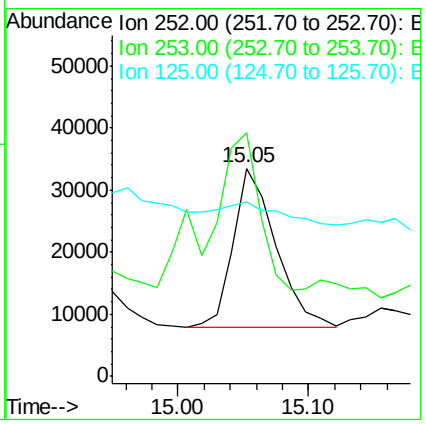


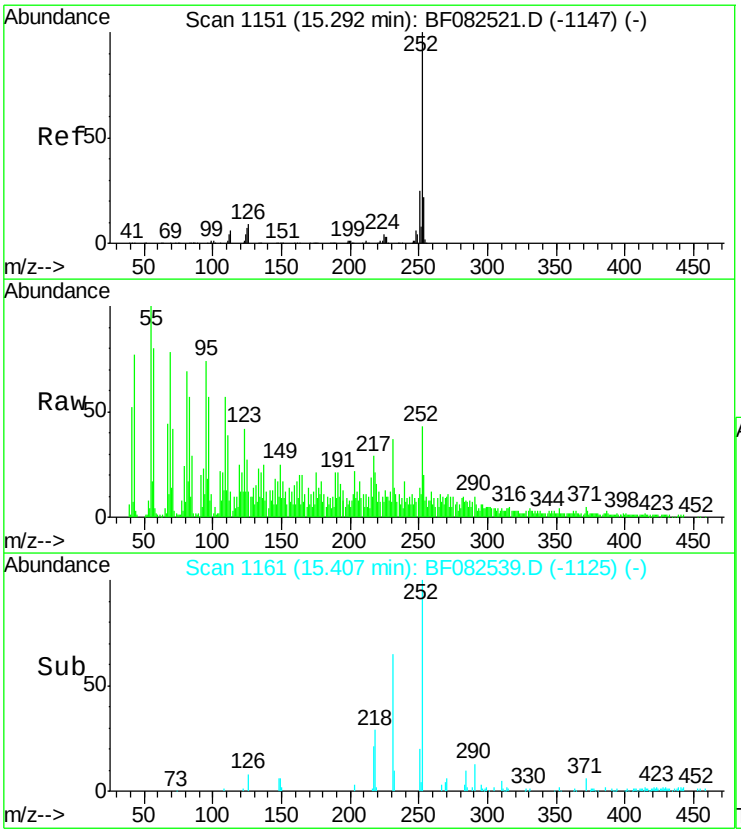
#88
Benzo(k)fluoranthene
Concen: 8.32 ng
RT: 15.05 min Scan# 1130
Delta R.T. 0.08 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:252 Resp: 58082

Ion	Ratio	Lower	Upper
252	100		
253	117.0	17.8	26.6#
125	83.9	8.7	13.1#

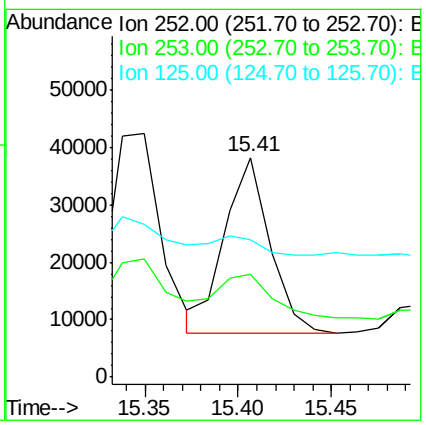


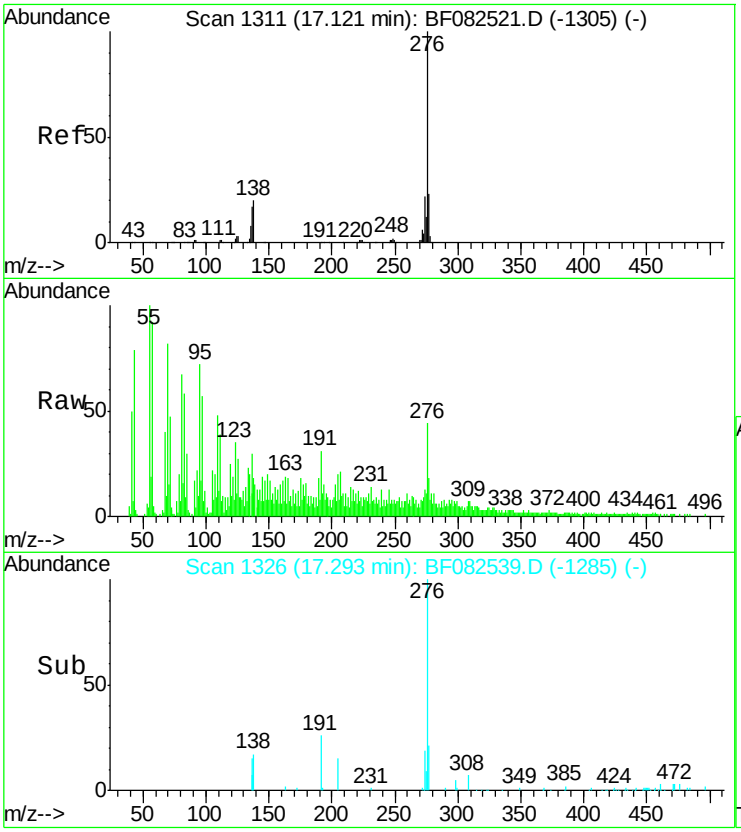


#89
Benzo(a)pyrene
Concen: 7.05 ng
RT: 15.41 min Scan# 1161
Delta R.T. 0.11 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Tgt Ion:252 Resp: 52319

Ion	Ratio	Lower	Upper
252	100		
253	46.9	17.3	25.9#
125	62.5	5.9	8.9#





#91
Benzo(g,h,i)perylene
Concen: 6.71 ng
RT: 17.29 min Scan# 1326
Delta R.T. 0.17 min
Lab File: BF082539.D
Acq: 27 Oct 2015 8:57

Instrument :
BNA_F
ClientSampleId :
SB15-08-15.5-16RE

Tgt Ion:276 Resp: 41230

Ion	Ratio	Lower	Upper
276	100		
277	40.0	18.3	27.5#
138	41.6	16.0	24.0#