Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
Data File : BF087737.D
Acq On : 6 Jun 2016 5:50
Operator : UM/SJ
Sample : H3190-13RE
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)RE

Quant Time: Jun 06 06:47:40 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 04 11:07:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	162411	20.00	ng		-0.01
21) Naphthalene-d8	8.15	136	706783	20.00	ng		0.00
38) Acenaphthene-d10	9.90	164	298106	20.00	ng		-0.01
63) Phenanthrene-d10	11.38	188	522507	20.00	ng		0.00
75) Chrysene-d12	14.02	240	344581	20.00	ng		0.00
86) Perylene-d12	15.45	264	346711	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	499468	49.71	ng		0.00
7) Phenol-d6	6.49	99	773962	61.42	ng		0.00
23) Nitrobenzene-d5	7.43	82	491479	40.23	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	348360	116.42	ng		0.01
44) 2-Fluorobiphenyl	9.22	172	1010927	45.26	ng		-0.01
78) Terphenyl-d14	12.97	244	1141874	80.86	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	63606	8.08	ng	#	71
48) Acenaphthylene	9.76	152	62369	2.08	ng		99
49) Dimethylphthalate	9.62	163	516814	23.85	ng		100
56) 2,4-Dinitrotoluene	9.90	165	39054	6.22	ng	#	38
64) 4,6-Dinitro-2-methylphenol	10.68	198	394	2.15	ng	#	1
66) 4-Bromophenyl-phenylether	10.68	248	20147	3.89	ng	#	1
70) Phenanthrene	11.41	178	162572	5.74	ng		98
71) Anthracene	11.45	178	64737	2.28	ng		98
74) Fluoranthene	12.59	202	485069	17.40	ng		97
77) Pyrene	12.82	202	460435	18.76	ng		99
80) Benzo(a)anthracene	14.01	228	248373	12.49	ng		95
82) Chrysene	14.05	228	225898	11.41	ng		97
85) Indeno(1,2,3-cd)pyrene	16.83	276	139672	8.54	ng	#	100
87) Benzo(b)fluoranthene	15.04	252	481394	21.34	ng	#	96
88) Benzo(k)fluoranthene	15.04	252	481394	25.65	ng		99
89) Benzo(a)pyrene	15.38	252	187760	9.90	ng		97
91) Benzo(g,h,i)perylene	17.26	276	120000	7.37	ng	#	94

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

Quantitation Report (Not Reviewed)

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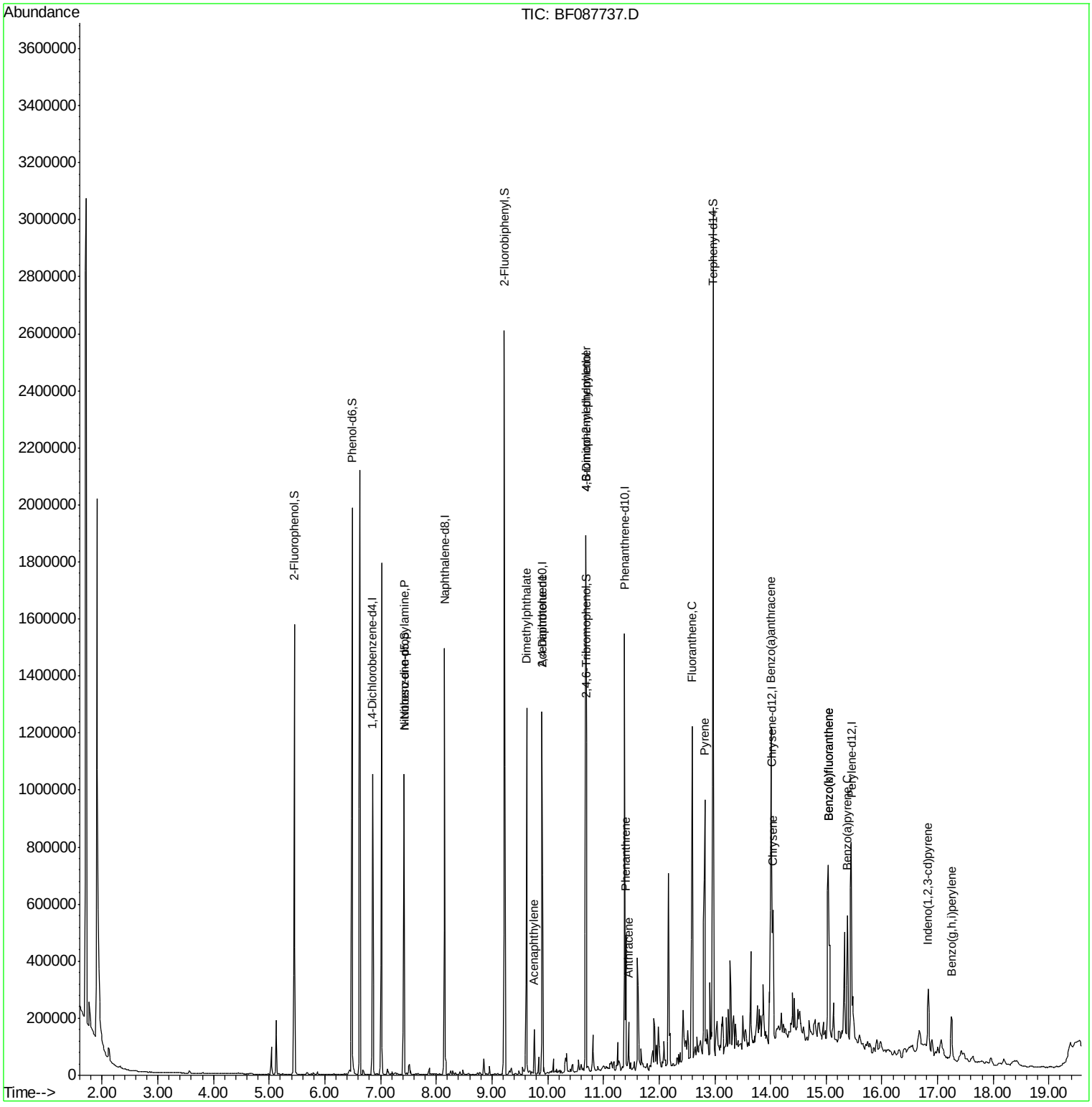
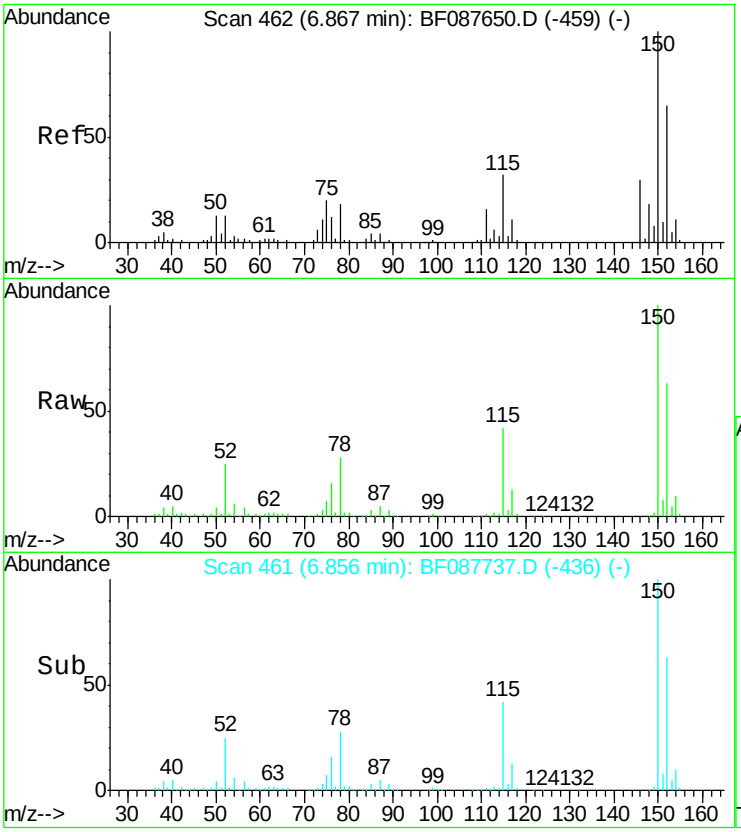


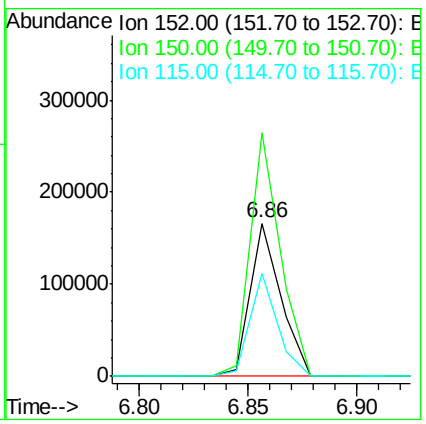


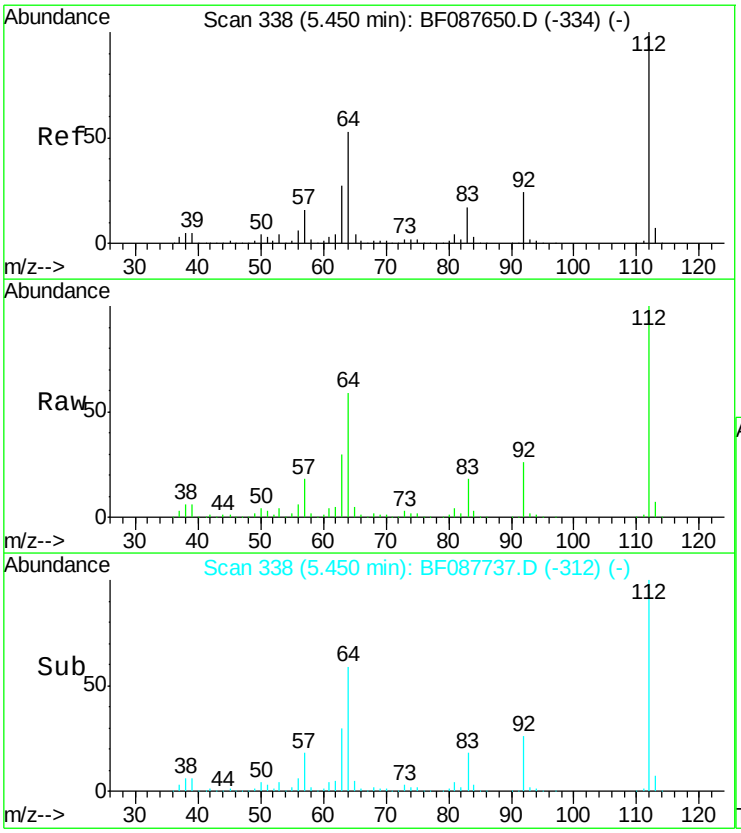
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:152 Resp: 162411

Ion	Ratio	Lower	Upper
152	100		
150	159.3	123.8	185.6
115	67.4	39.6	59.4#

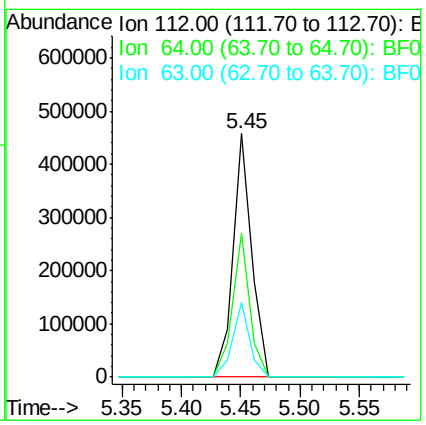


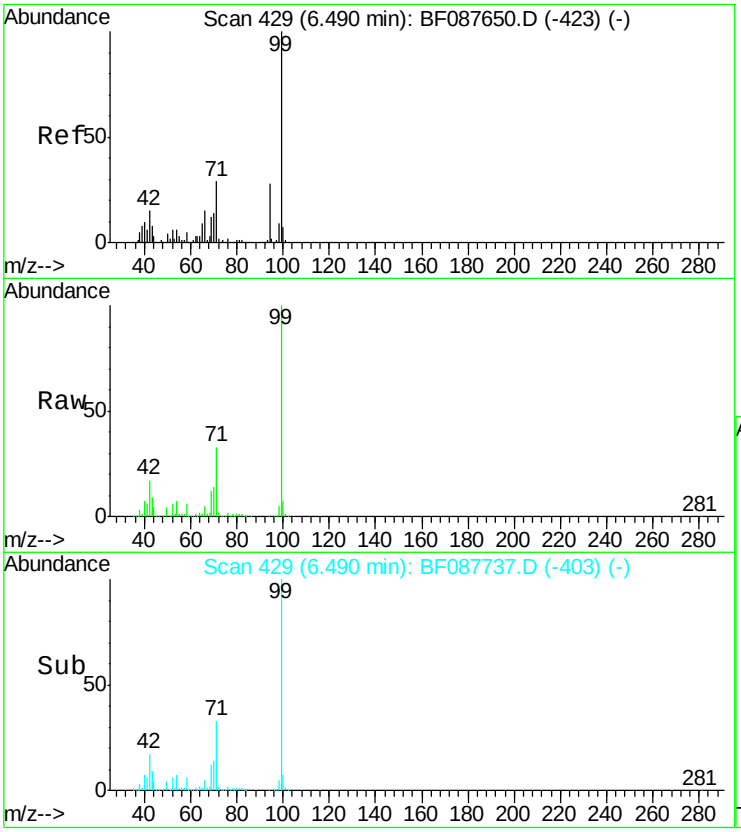


#5
2-Fluorophenol
Concen: 49.71 ng
RT: 5.45 min Scan# 338
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:112 Resp: 499468

Ion	Ratio	Lower	Upper
112	100		
64	59.2	42.2	63.2
63	30.5	21.8	32.8



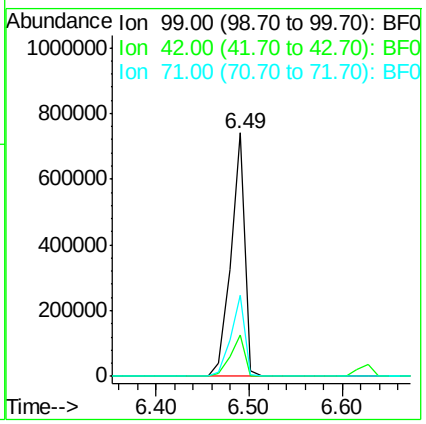


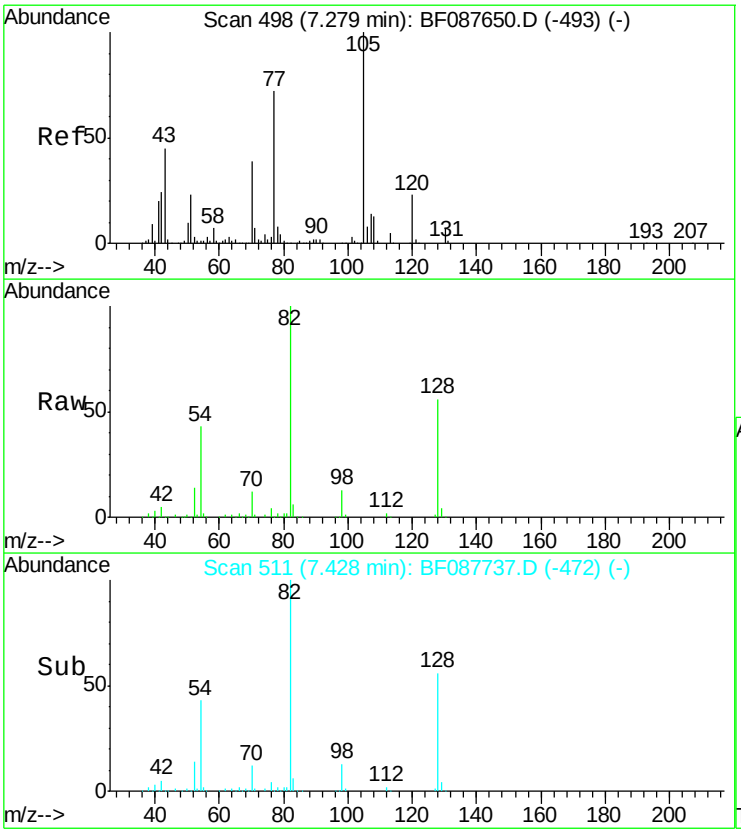
#7
Phenol-d6
Concen: 61.42 ng
RT: 6.49 min Scan# 429
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion: 99 Resp: 773962

Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.2	18.2
71	33.3	23.4	35.0

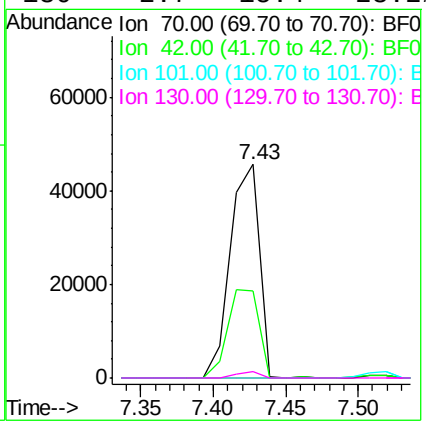


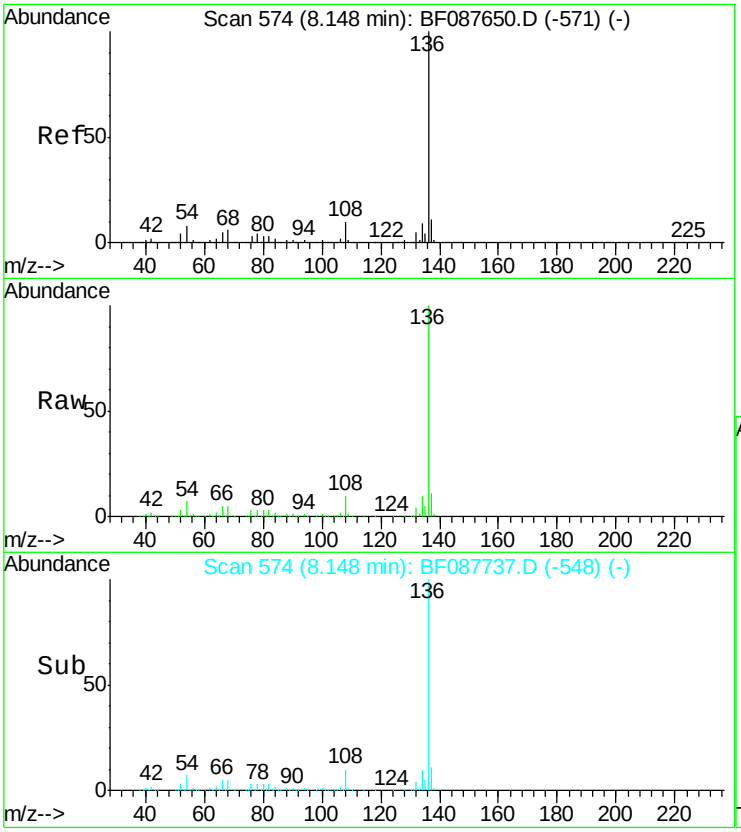


#19
n-Nitroso-di-n-propylamine
Concen: 8.08 ng
RT: 7.43 min Scan# 511
Delta R.T. 0.15 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion: 70 Resp: 63606

Ion	Ratio	Lower	Upper
70	100		
42	40.5	49.6	74.4#
101	0.0	7.1	10.7#
130	2.7	15.4	23.2#



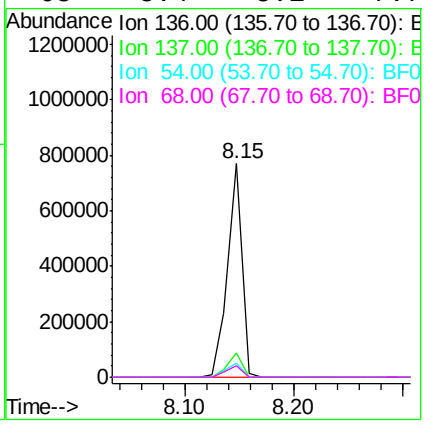


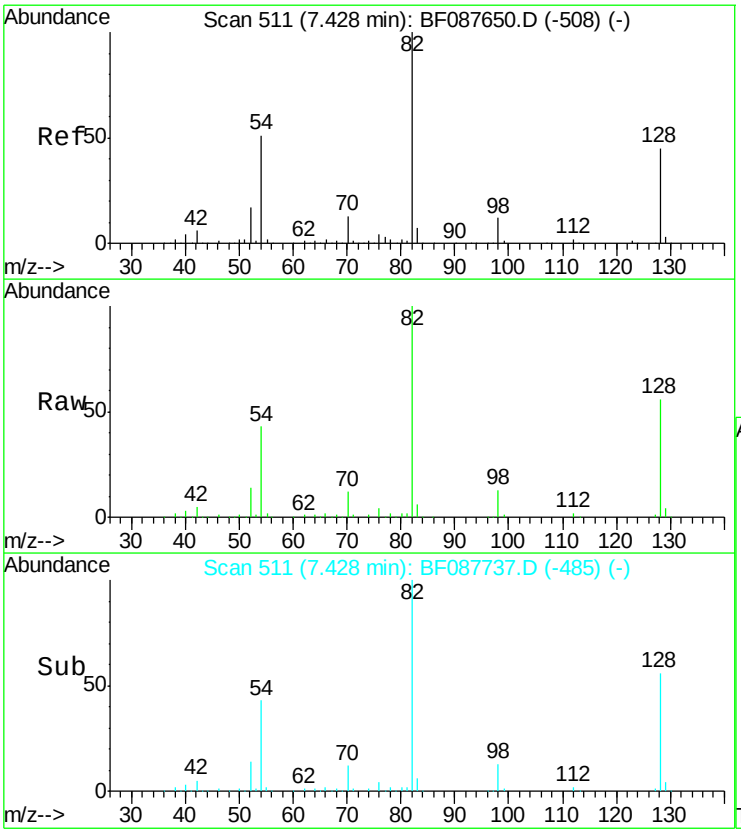
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:136 Resp: 706783

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.7	6.6	10.0
68	5.4	5.1	7.7

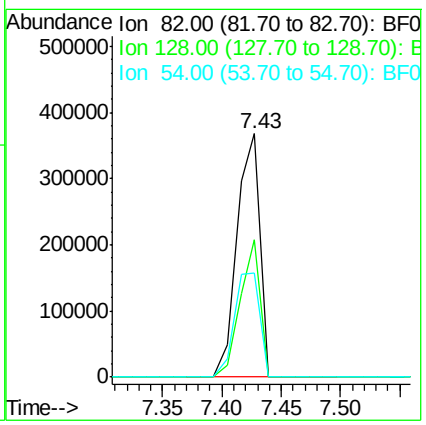


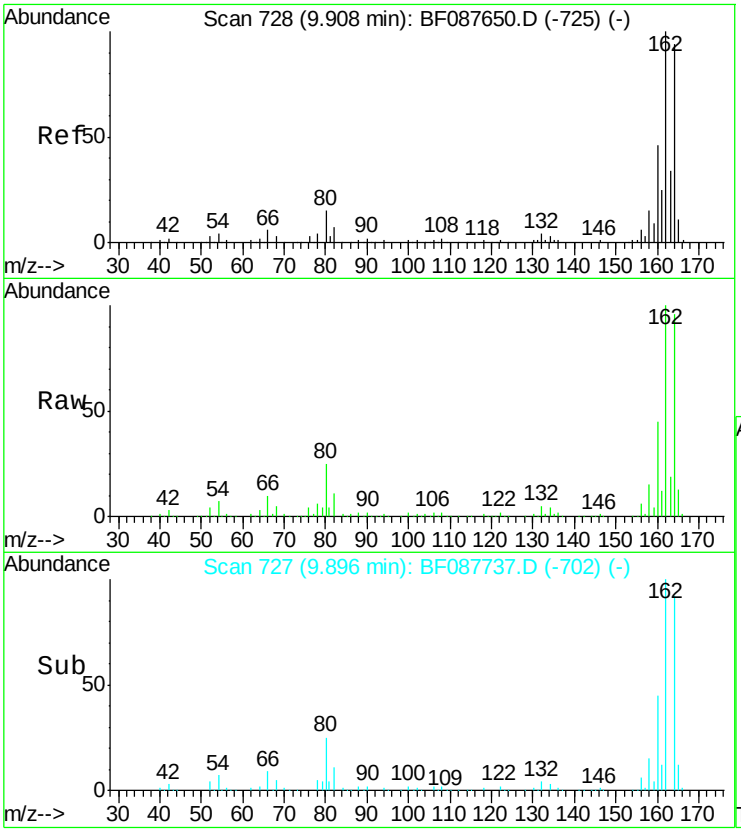


#23
Nitrobenzene-d5
Concen: 40.23 ng
RT: 7.43 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion: 82 Resp: 491479

Ion	Ratio	Lower	Upper
82	100		
128	56.4	35.9	53.9#
54	42.6	40.9	61.3



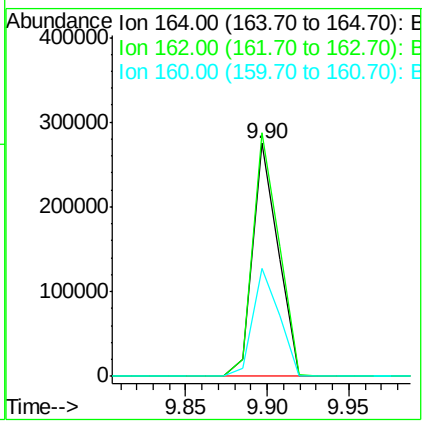


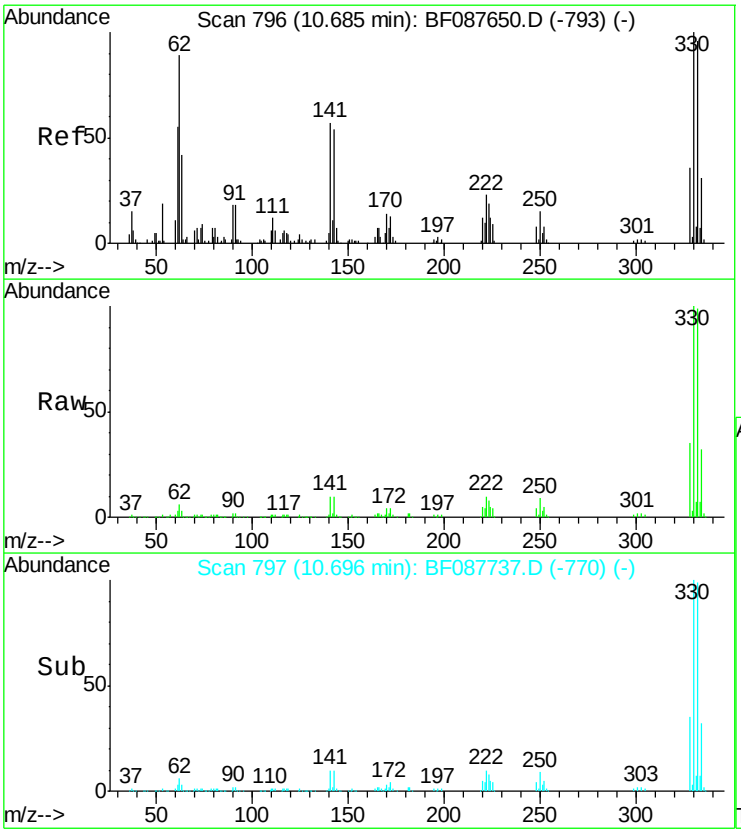
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:164 Resp: 298106

Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	46.5	39.5	59.3

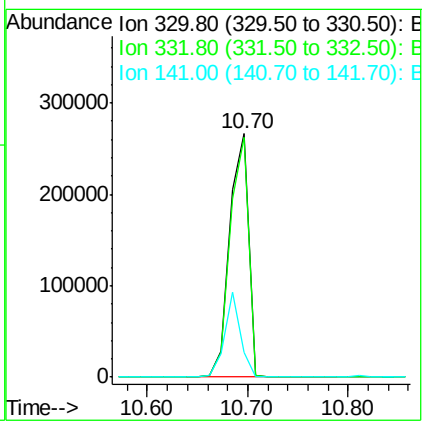


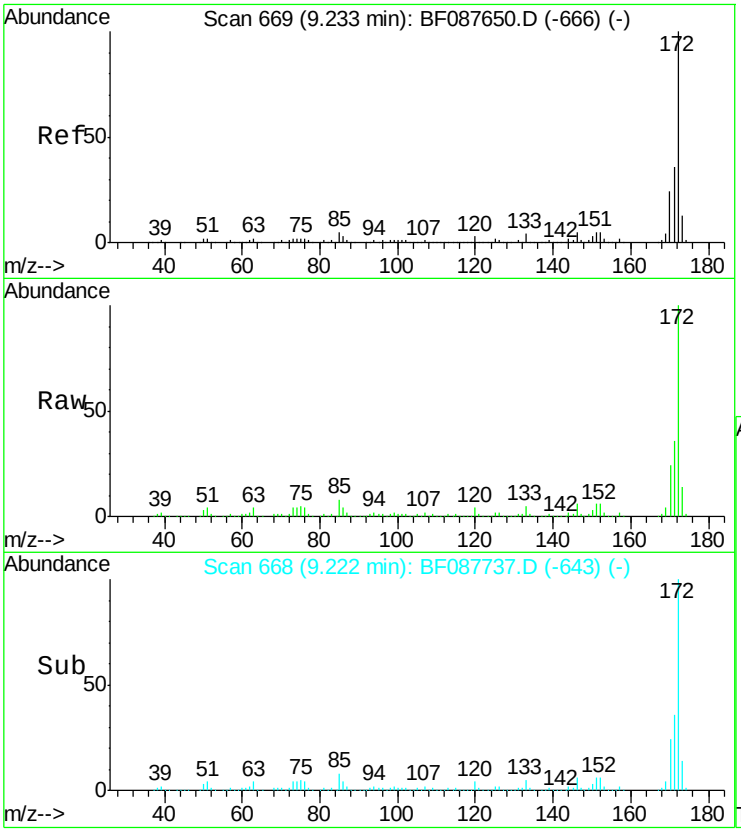


#41
2,4,6-Tribromophenol
Concen: 116.42 ng
RT: 10.70 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:330 Resp: 348360

Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	29.9	0.0	0.0#



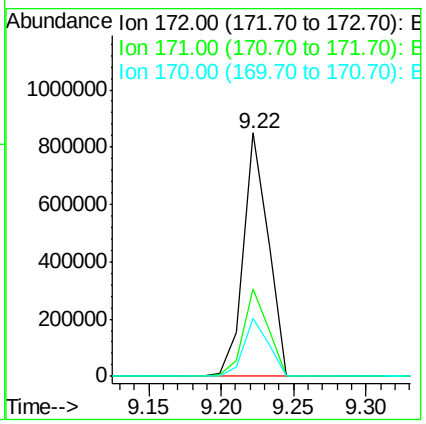


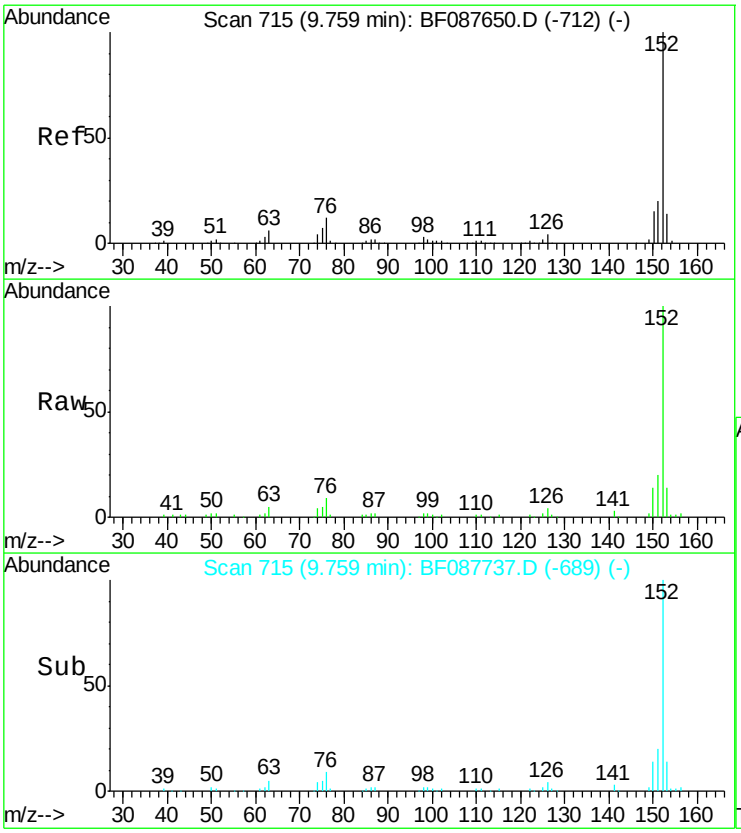
#44
2-Fluorobiphenyl
Concen: 45.26 ng
RT: 9.22 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:172 Resp: 1010927

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.2	28.8

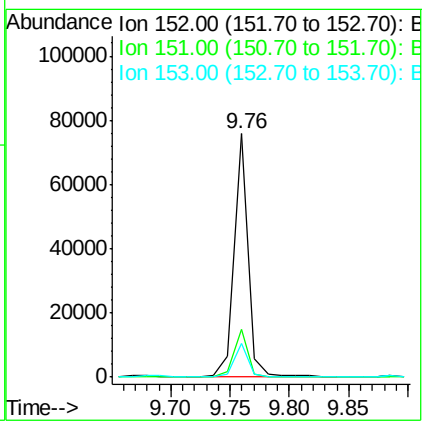


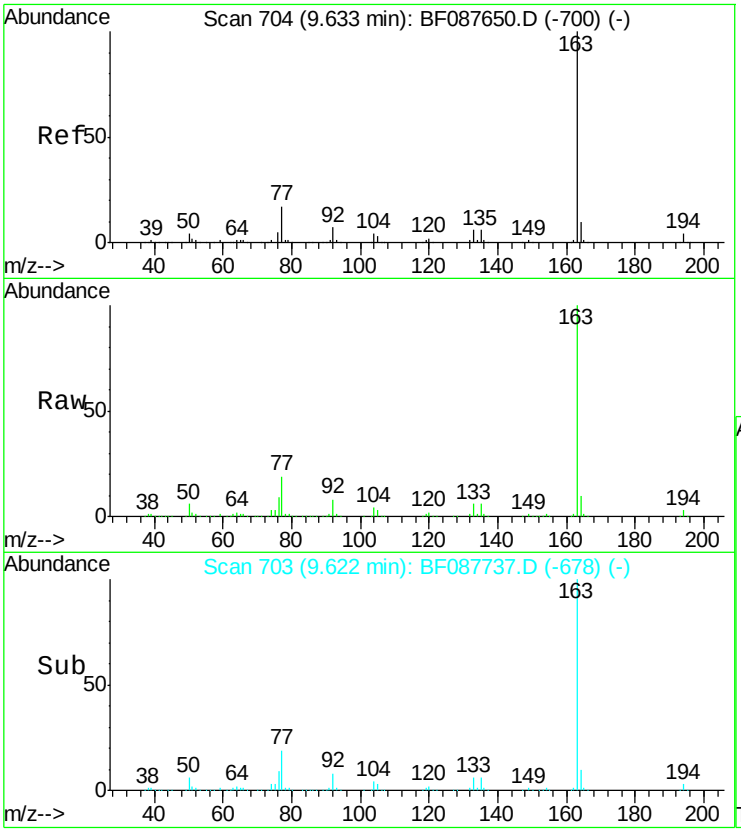


#48
Acenaphthylene
Concen: 2.08 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:152 Resp: 62369

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	13.6	11.0	16.6



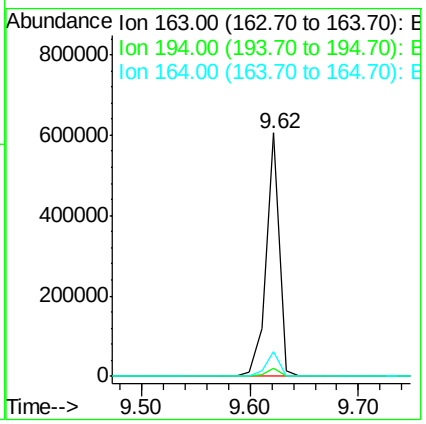


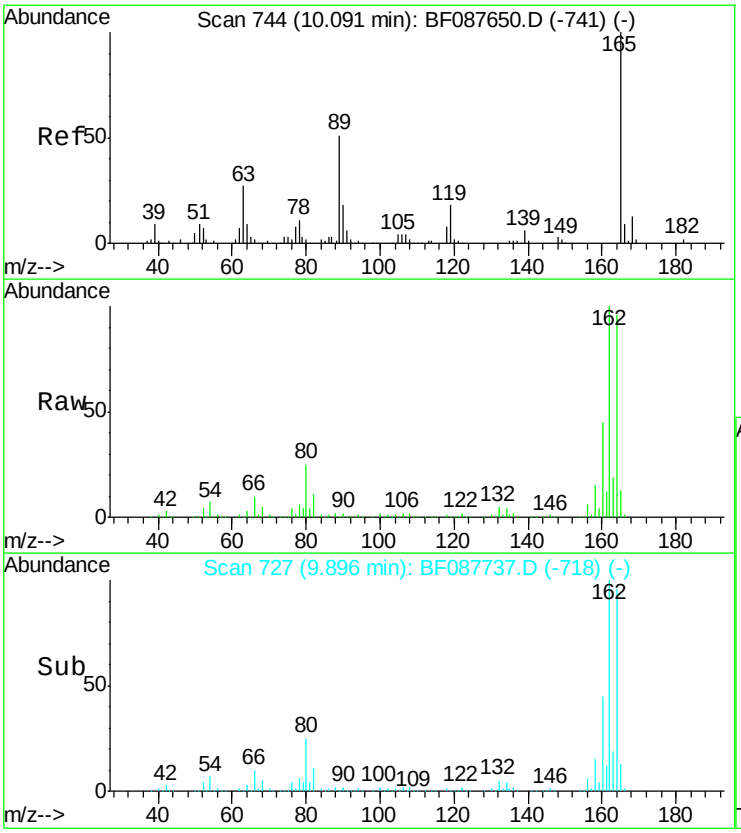
#49
Dimethylphthalate
Concen: 23.85 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:163 Resp: 516814

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.2	8.3	12.5

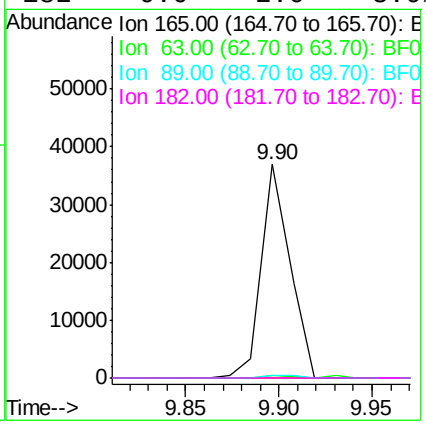


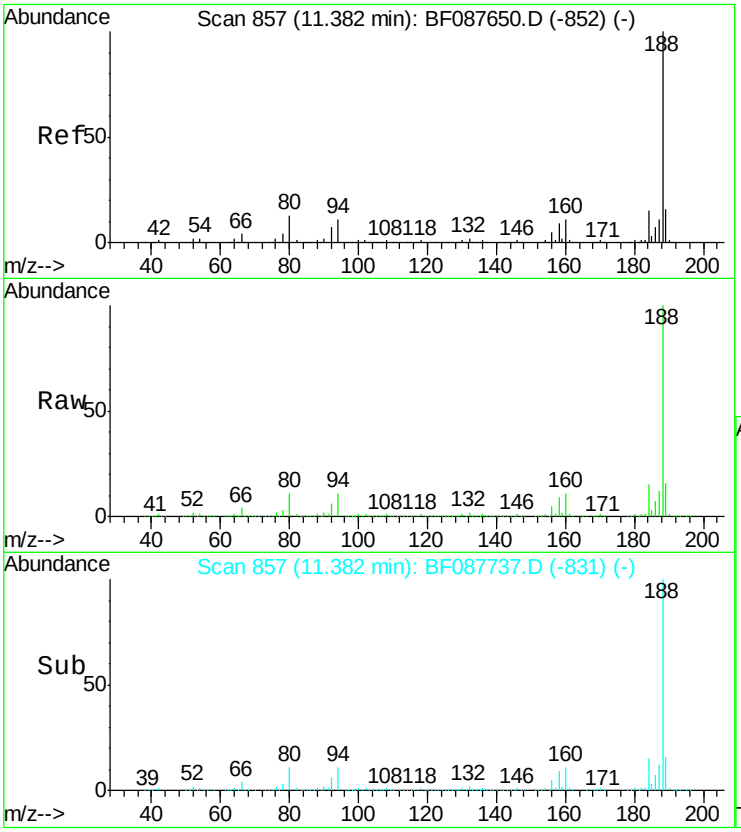


#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.19 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:165 Resp: 39054

Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#



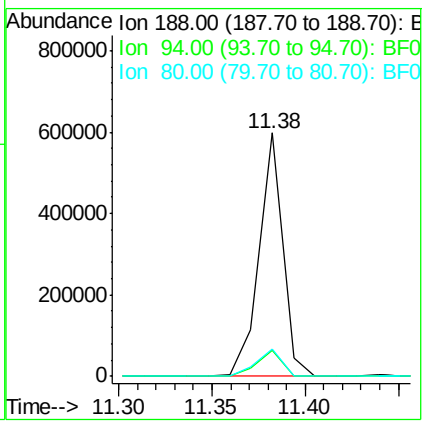


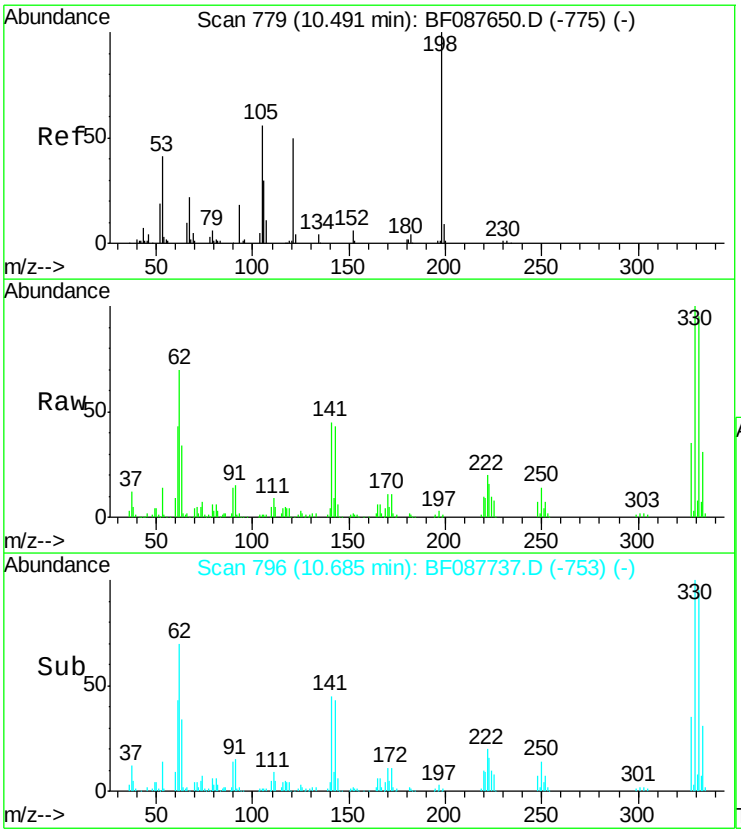
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:188 Resp: 522507

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.6
80	11.2	10.0	15.0

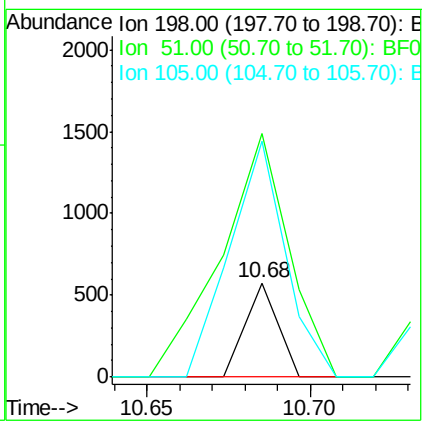


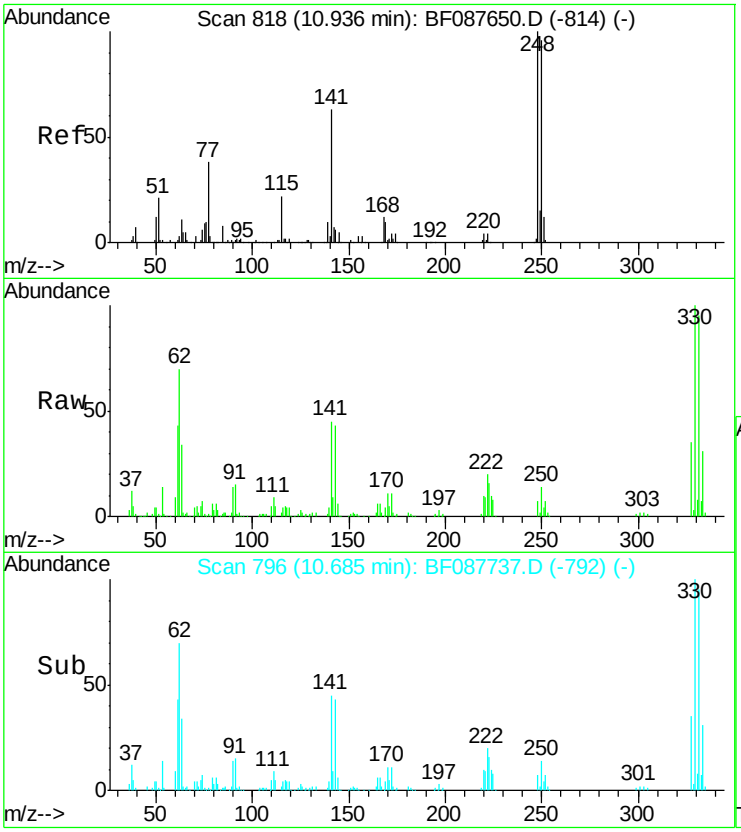


#64
4,6-Dinitro-2-methylphenol
Concen: 2.15 ng
RT: 10.68 min Scan# 796
Delta R.T. 0.19 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:198 Resp: 394

Ion	Ratio	Lower	Upper
198	100		
51	258.8	39.6	79.6#
105	250.8	36.6	76.6#



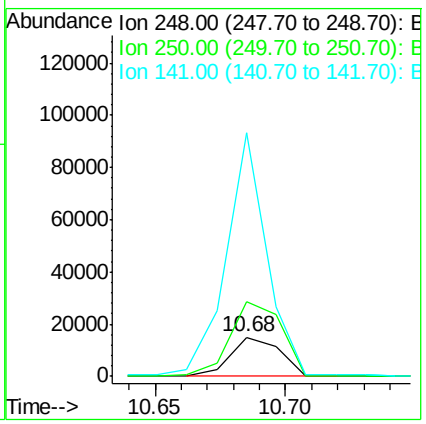


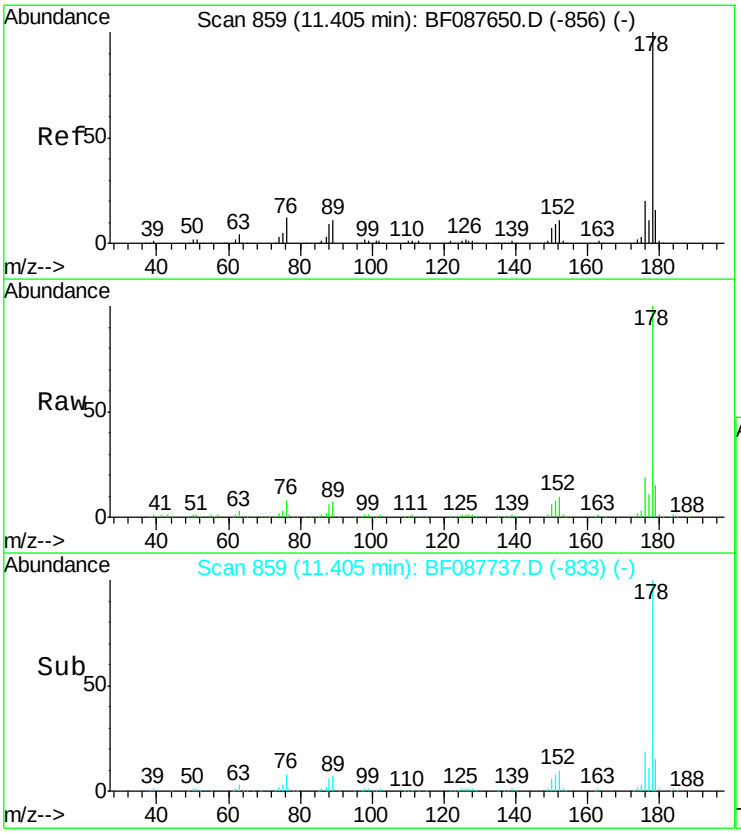
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.25 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:248 Resp: 20147

Ion	Ratio	Lower	Upper
248	100		
250	190.6	77.1	115.7#
141	621.2	50.6	76.0#

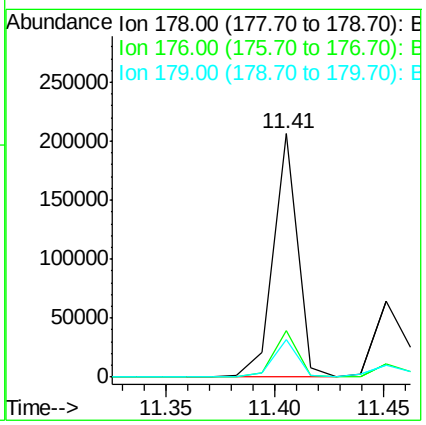


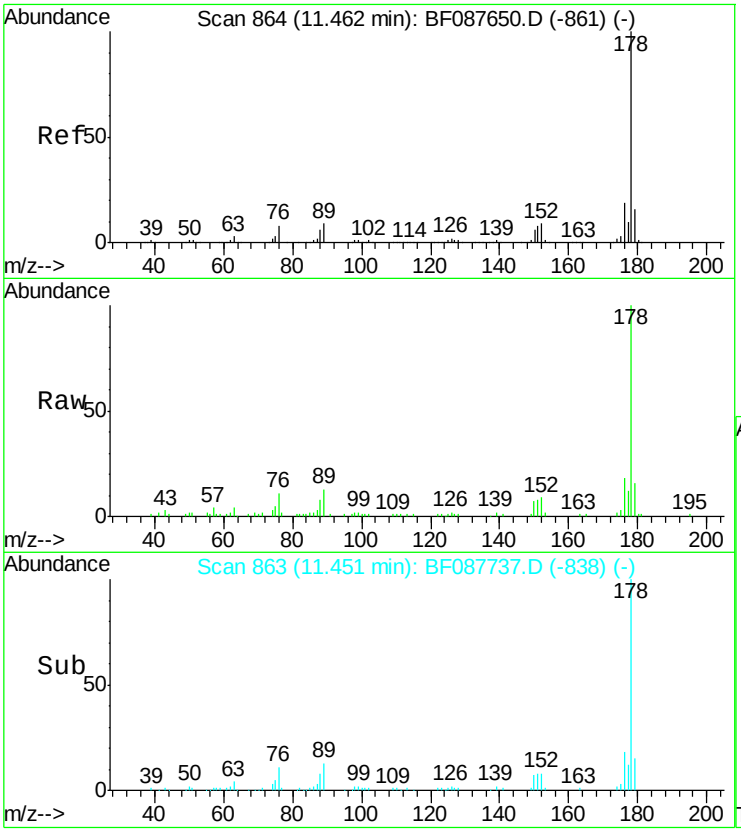


#70
Phenanthrene
Concen: 5.74 ng
RT: 11.41 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:178 Resp: 162572

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.2	13.0	19.4



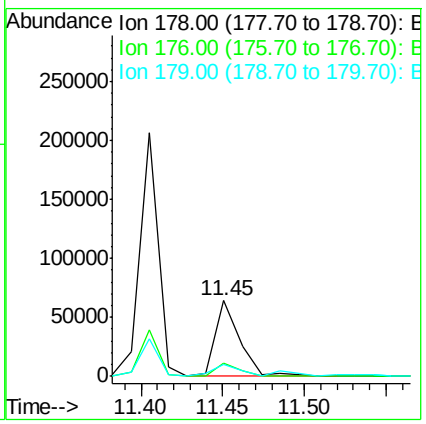


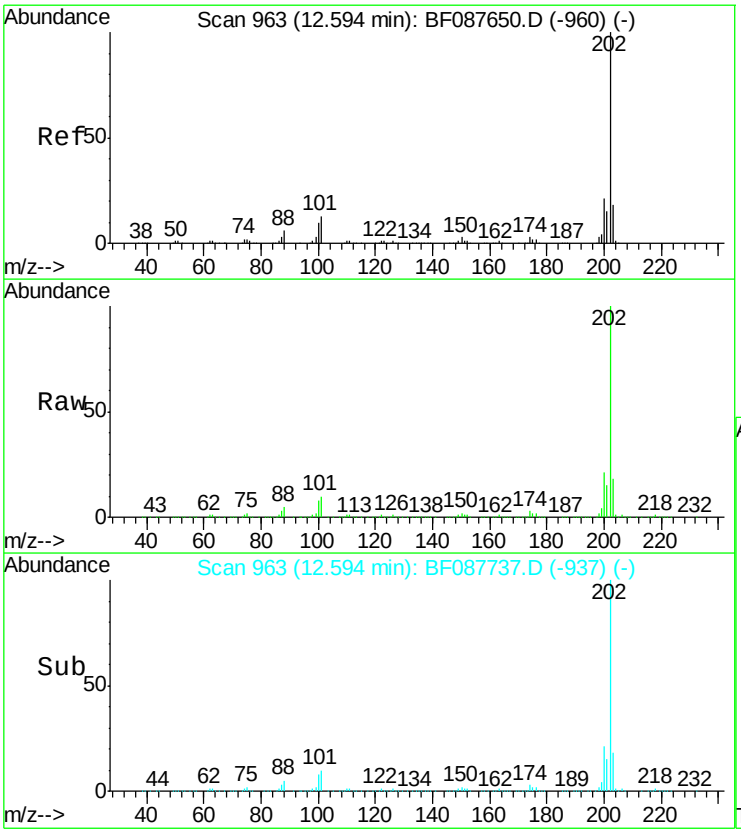
#71
Anthracene
Concen: 2.28 ng
RT: 11.45 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:178 Resp: 64737

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	15.6	12.8	19.2

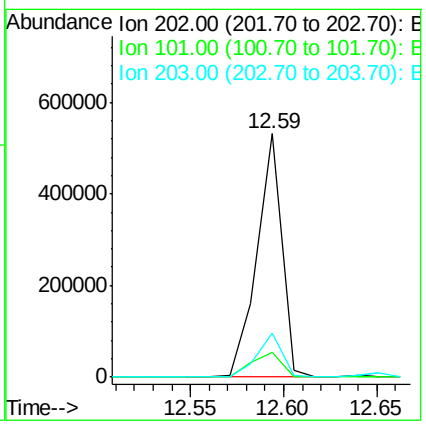


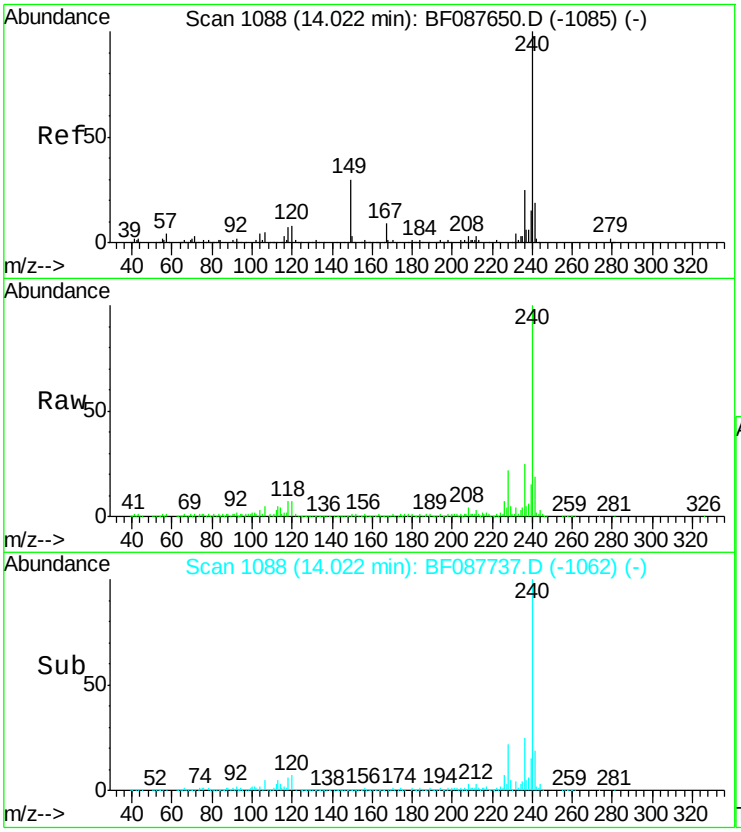


#74
Fluoranthene
Concen: 17.40 ng
RT: 12.59 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:202 Resp: 485069

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	33.1
203	17.9	0.0	38.1



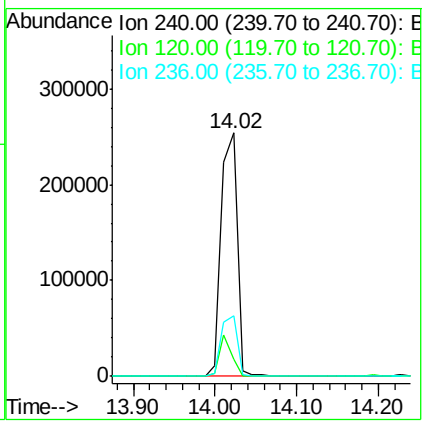


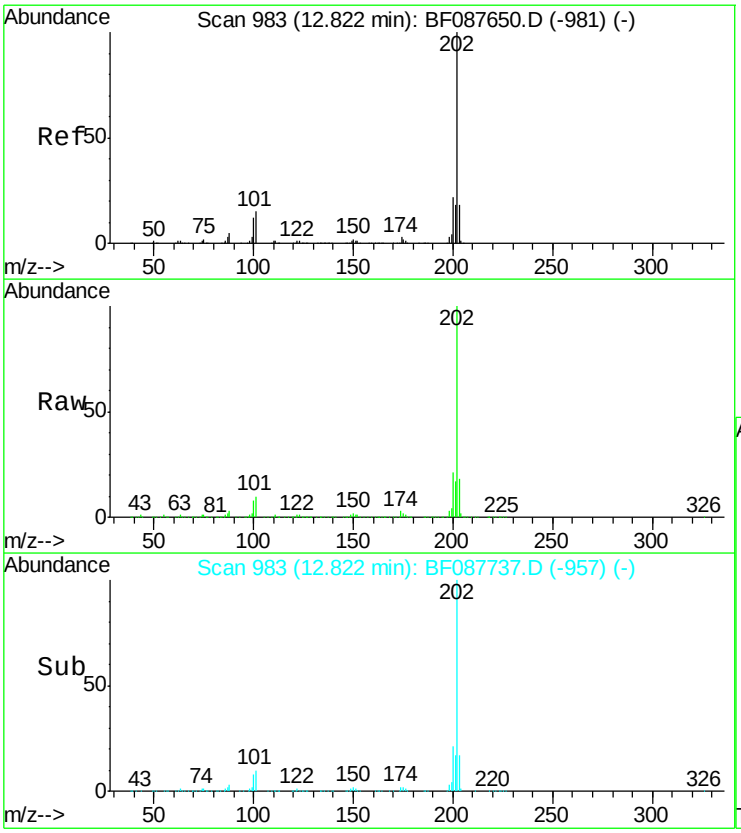
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:240 Resp: 344581

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.8	10.2
236	25.1	20.2	30.2

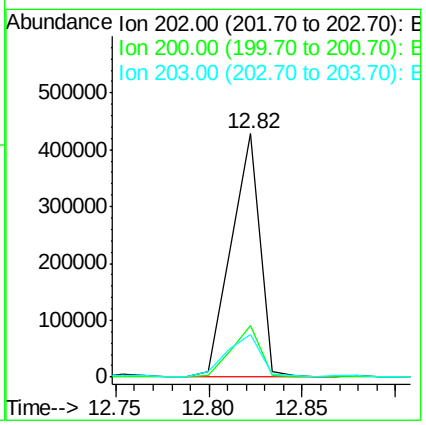


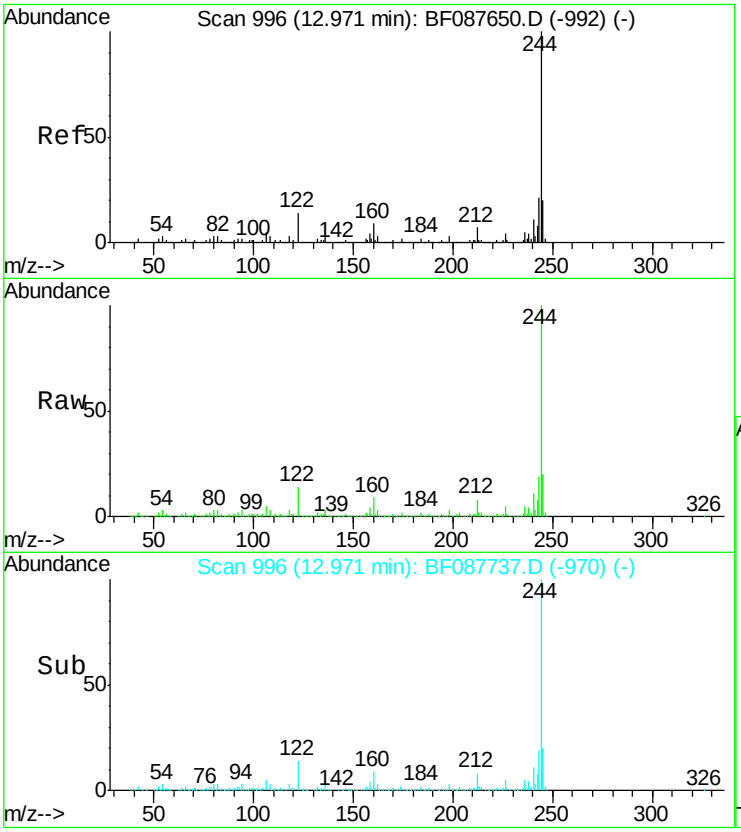


#77
Pyrene
Concen: 18.76 ng
RT: 12.82 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:202 Resp: 460435

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.7	14.5	21.7



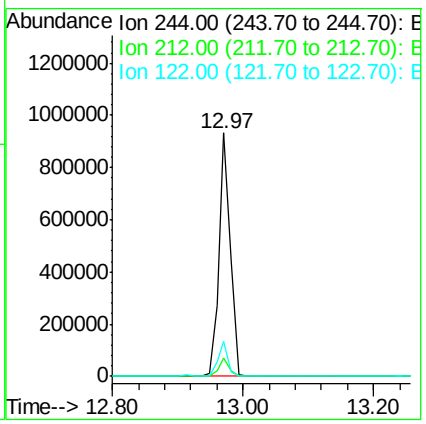


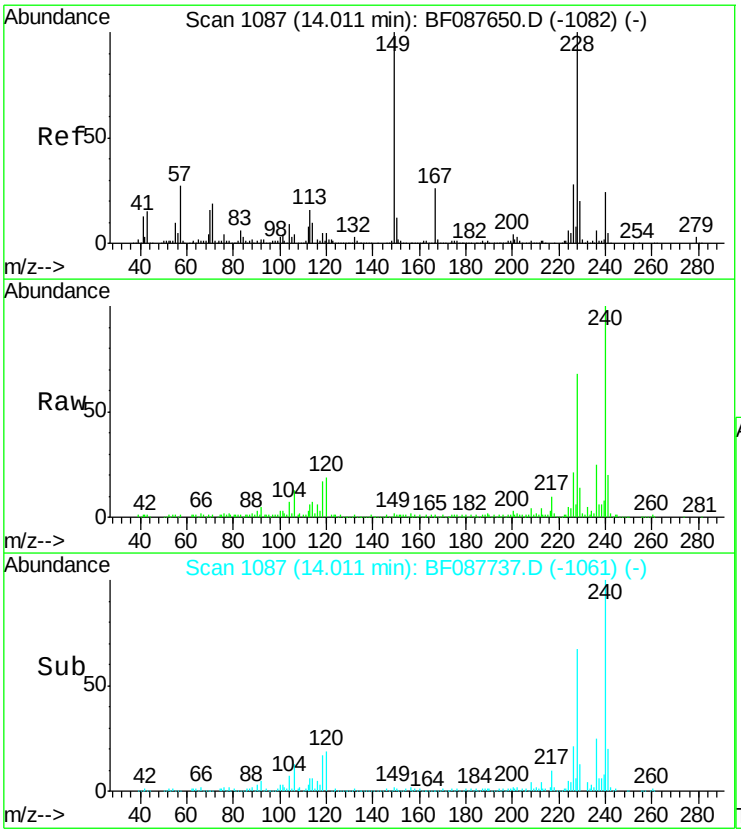
#78
Terphenyl-d14
Concen: 80.86 ng
RT: 12.97 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:244 Resp: 1141874

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	14.2	11.2	16.8

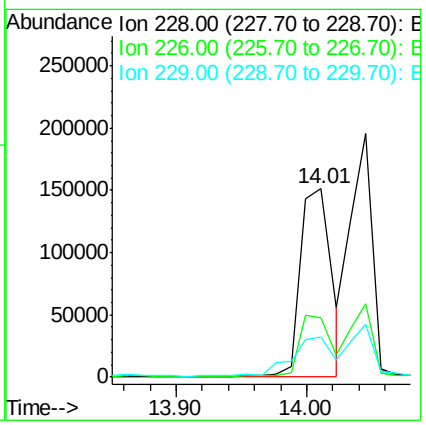


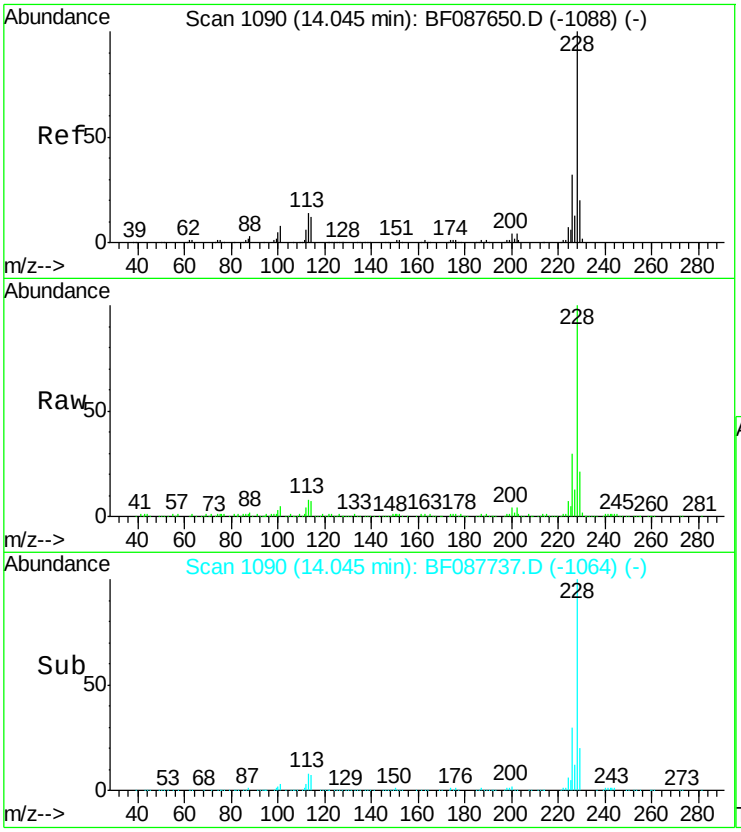


#80
Benzo(a)anthracene
Concen: 12.49 ng
RT: 14.01 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:228 Resp: 248373

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.3	33.5
229	21.2	16.0	24.0



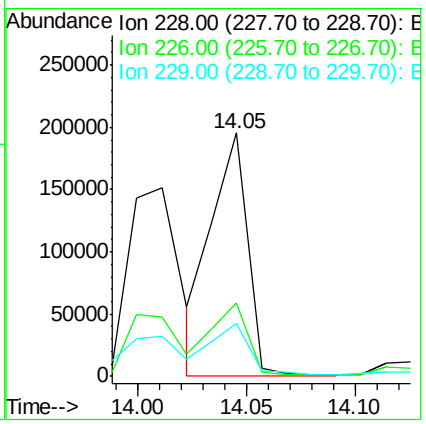


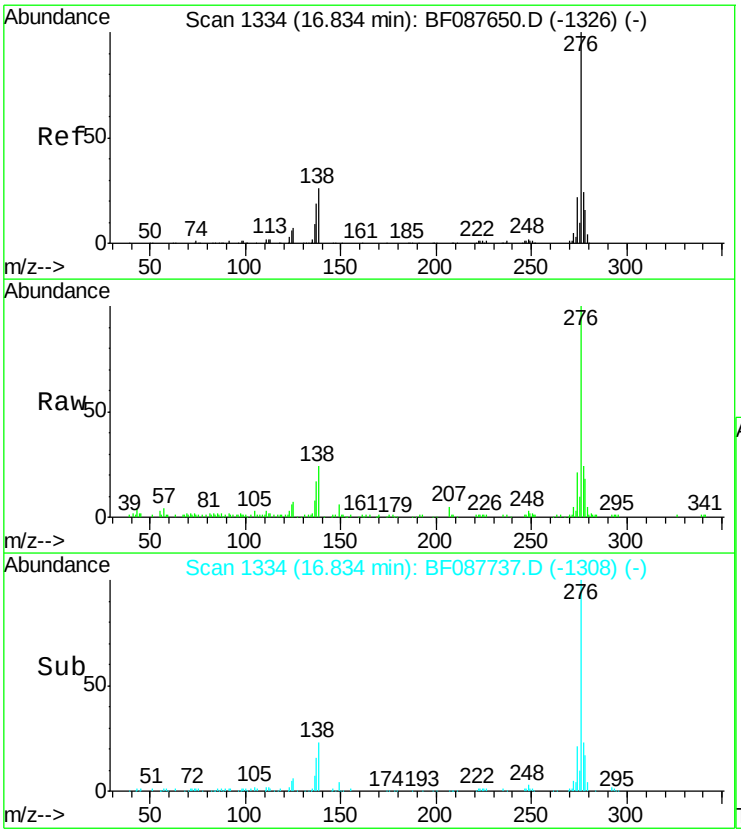
#82
Chrysene
Concen: 11.41 ng
RT: 14.05 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:228 Resp: 225898

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.2
229	21.5	16.3	24.5

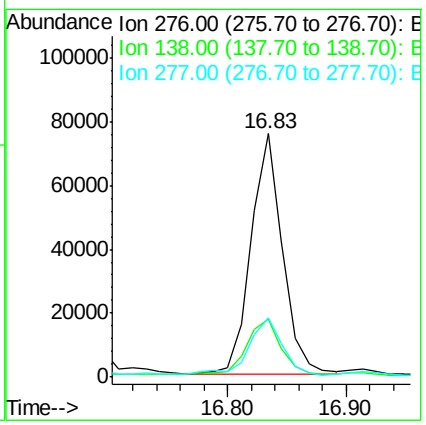


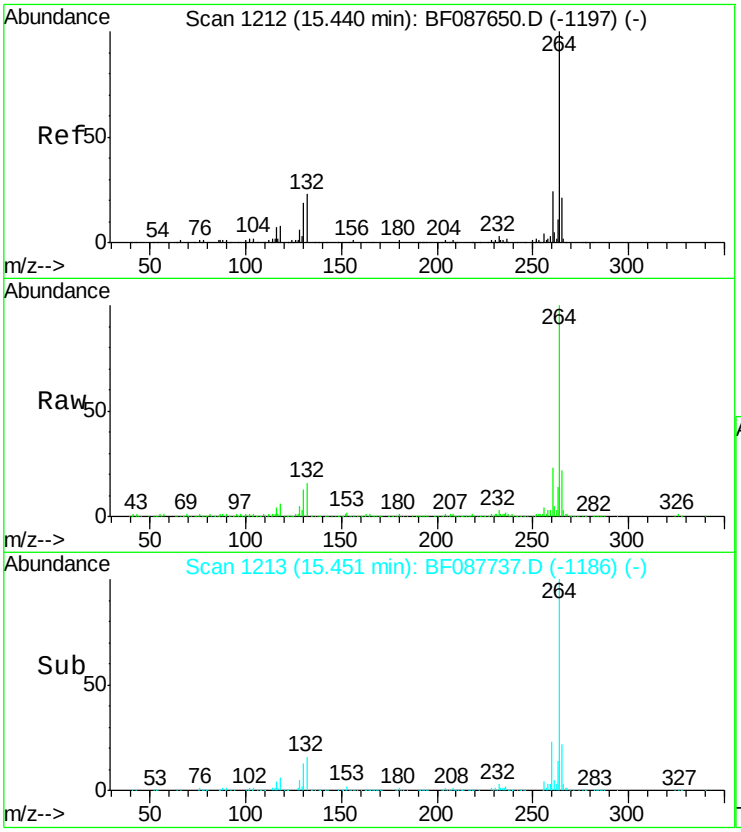


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.54 ng
RT: 16.83 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:276 Resp: 139672

Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	0.0#
277	25.3	0.0	0.0#



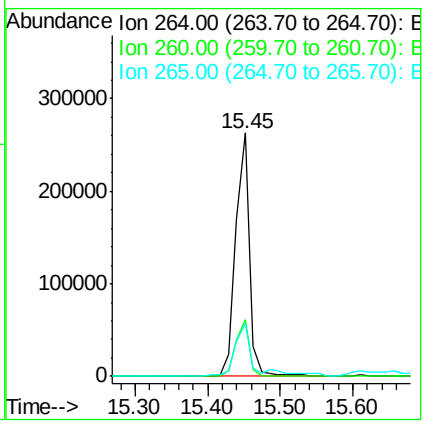


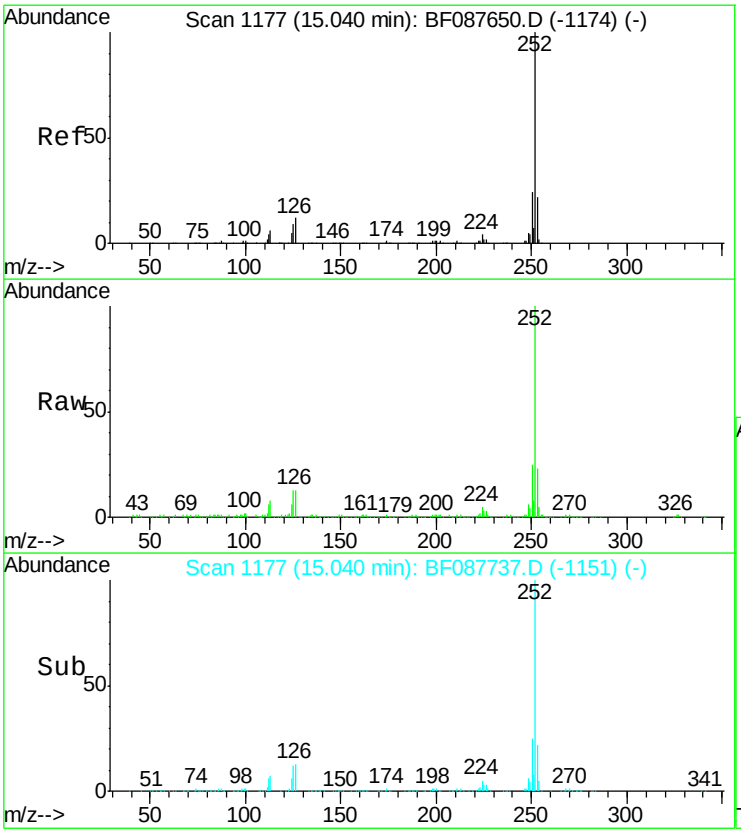
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1213
Delta R.T. 0.01 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:264 Resp: 346711

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	16.9	25.3

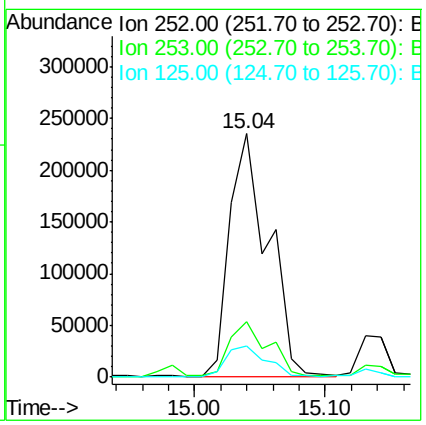


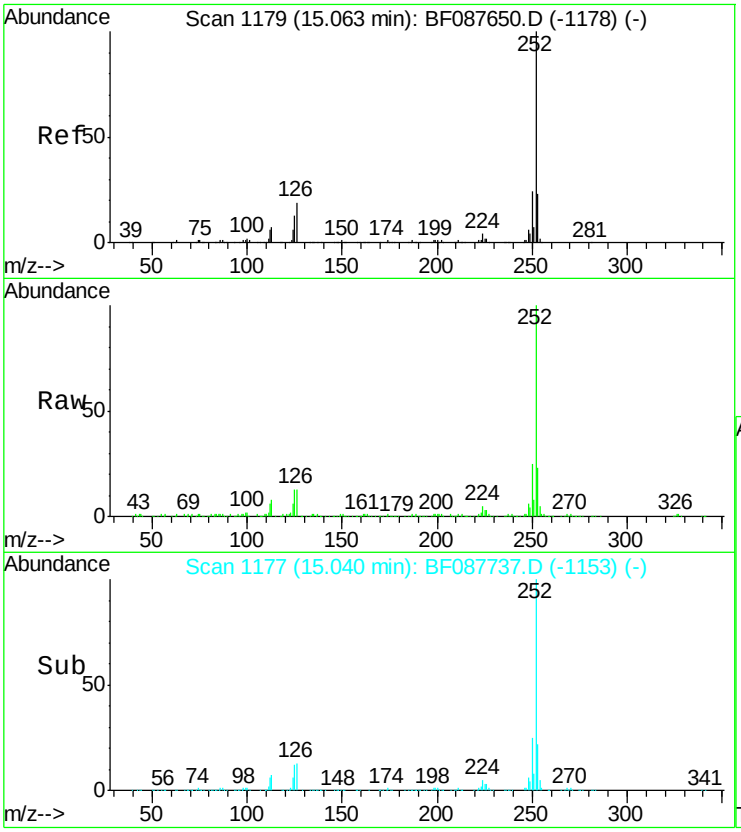


#87
Benzo(b)fluoranthene
Concen: 21.34 ng
RT: 15.04 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:252 Resp: 481394

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.7	7.1	10.7#



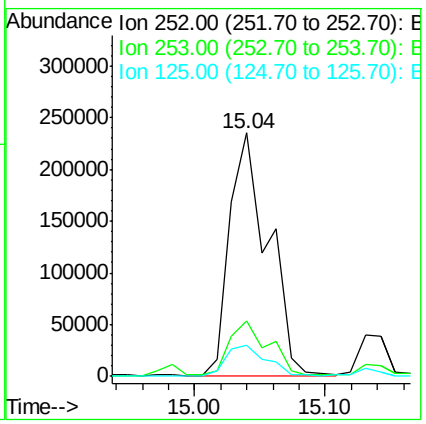


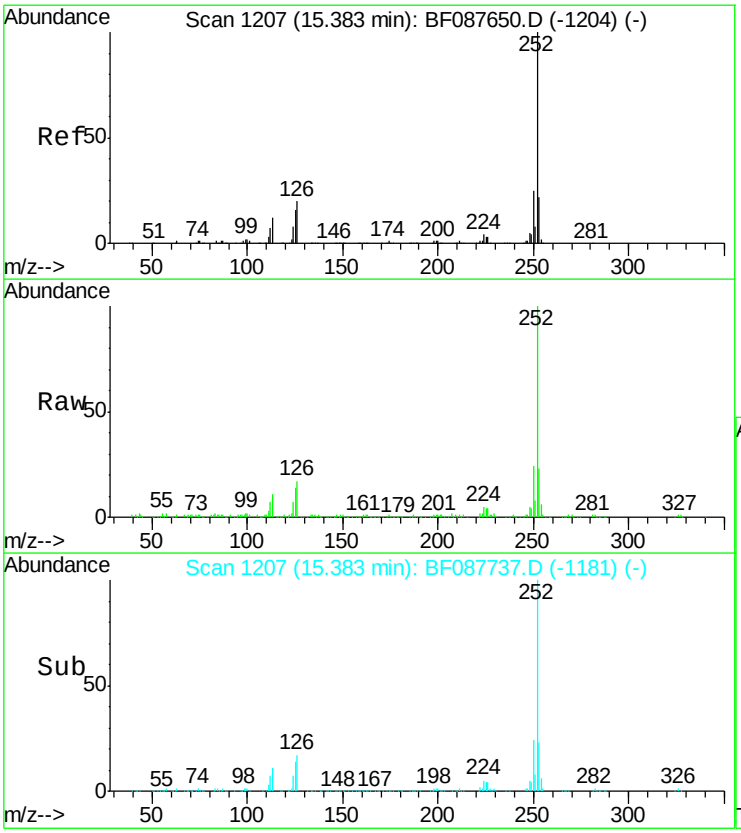
#88
Benzo(k)fluoranthene
Concen: 25.65 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:252 Resp: 481394

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.7	11.2	16.8

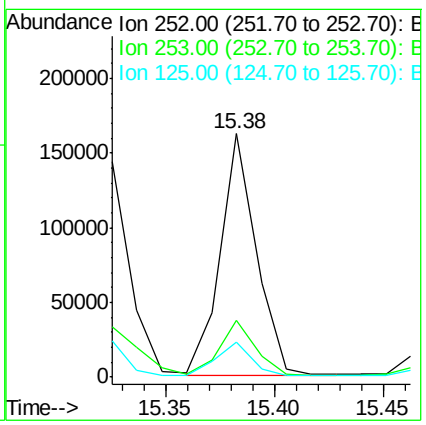


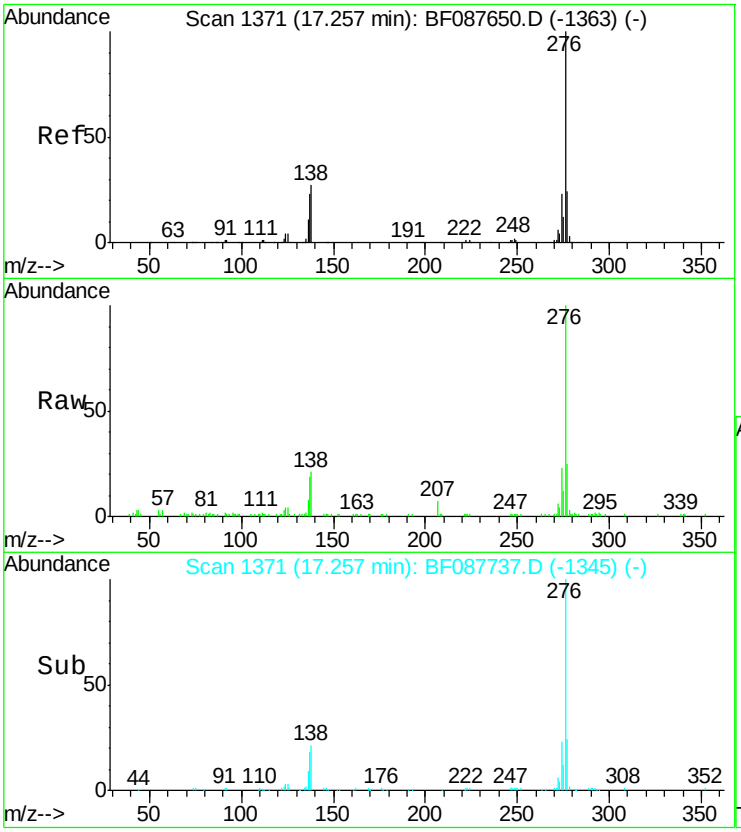


#89
Benzo(a)pyrene
Concen: 9.90 ng
RT: 15.38 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Tgt Ion:252 Resp: 187760

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.1	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 7.37 ng
RT: 17.26 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BF087737.D
Acq: 6 Jun 2016 5:50

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tgt Ion:276 Resp: 120000

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	21.4	21.4	32.2#