Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084841.D
Acq On : 4 Feb 2016 21:08
Operator : SJ/IZ
Sample : H1320-11 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B013(6-8)

Quant Time: Feb 05 01:39:44 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	159851	20.00	ng		-0.01
21) Naphthalene-d8	7.96	136	649554	20.00	ng		-0.01
38) Acenaphthene-d10	9.71	164	283770	20.00	ng		-0.02
63) Phenanthrene-d10	11.18	188	465797	20.00	ng		-0.02
75) Chrysene-d12	13.82	240	322036	20.00	ng		-0.01
86) Perylene-d12	15.20	264	321425	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.25	112	192753	18.78	ng		-0.02
7) Phenol-d6	6.32	99	405268	31.85	ng		-0.02
23) Nitrobenzene-d5	7.24	82	239412	20.76	ng		-0.02
41) 2,4,6-Tribromophenol	10.50	330	29084	9.83	ng		-0.02
44) 2-Fluorobiphenyl	9.04	172	378633	16.98	ng		-0.02
78) Terphenyl-d14	12.77	244	274863	19.34	ng		-0.02
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	30647	3.84	ng	#	75
31) Naphthalene	7.98	128	68076	2.09	ng		96
48) Acenaphthylene	9.57	152	82489	2.91	ng		95
49) Dimethylphthalate	9.44	163	64690	2.99	ng	#	91
50) 2,6-Dinitrotoluene	9.71	165	40793	8.64	ng	#	38
51) Acenaphthene	9.74	154	125781	6.83	ng		97
54) Dibenzofuran	9.92	168	125569	5.58	ng	#	96
57) Fluorene	10.26	166	145853	7.75	ng		99
60) 4-Chlorophenyl-phenylether	10.09	204	523	Below Cal		#	75
70) Phenanthrene	11.22	178	1894271	73.32	ng		96
71) Anthracene	11.26	178	531052	20.40	ng		99
72) Carbazole	11.42	167	116045	5.11	ng		98
74) Fluoranthene	12.41	202	2234831	85.47	ng		96
76) Benzidine	12.49	184	1175	6.96	ng	#	1
77) Pyrene	12.64	202	2198139	89.15	ng		98
80) Benzo(a)anthracene	13.81	228	991589	49.61	ng		96
82) Chrysene	13.85	228	606728	31.30	ng		97
85) Indeno(1,2,3-cd)pyrene	16.49	276	452486	29.66	ng		95
87) Benzo(b)fluoranthene	14.83	252	1244938	57.65	ng	#	97
88) Benzo(k)fluoranthene	14.83	252	1244938	69.72	ng		99
89) Benzo(a)pyrene	15.15	252	774294	42.08	ng		96
90) Dibenzo(a,h)anthracene	16.49	278	129023	8.33	ng	#	93
91) Benzo(g,h,i)perylene	16.87	276	454025	29.10	ng		98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
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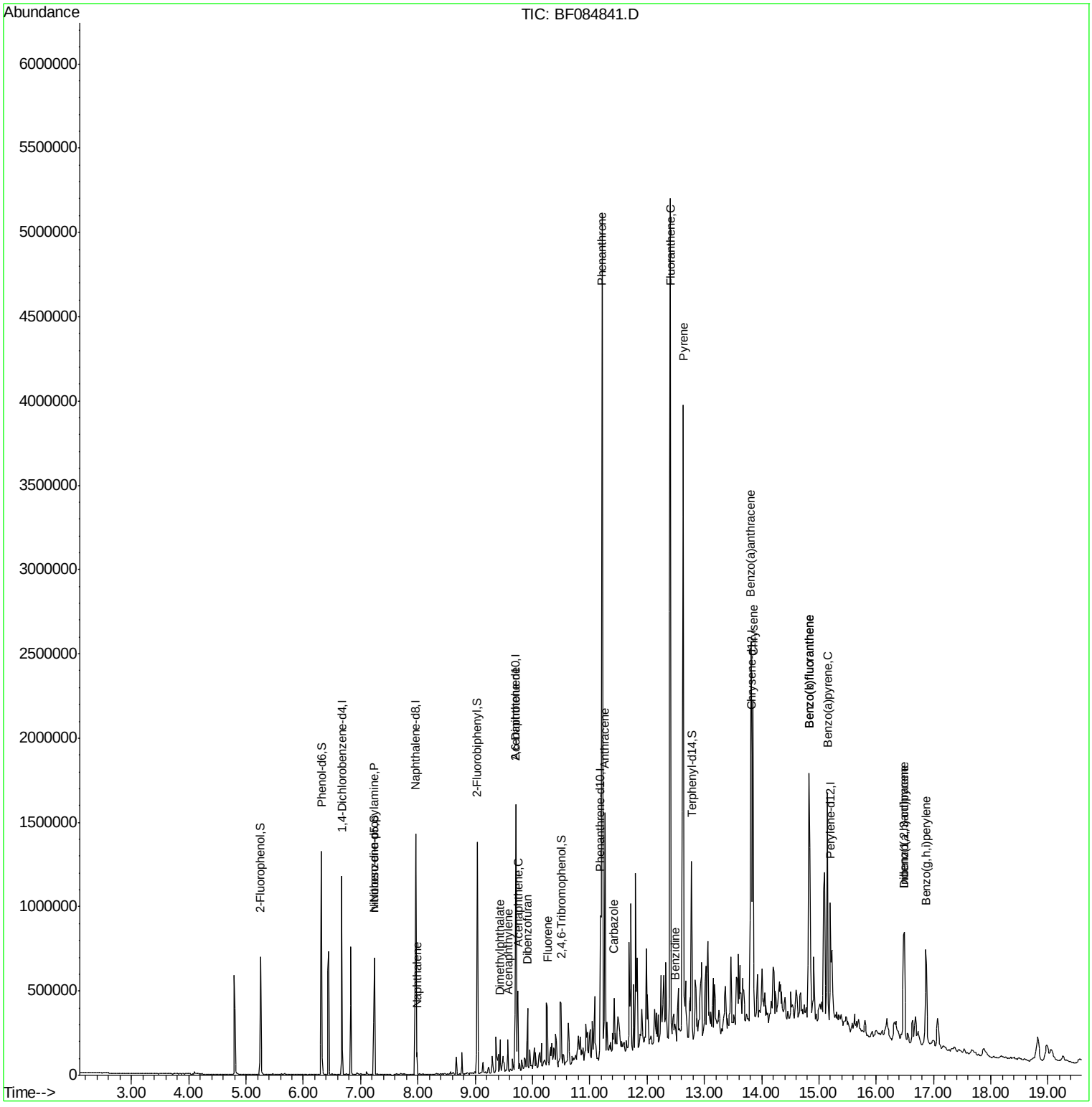
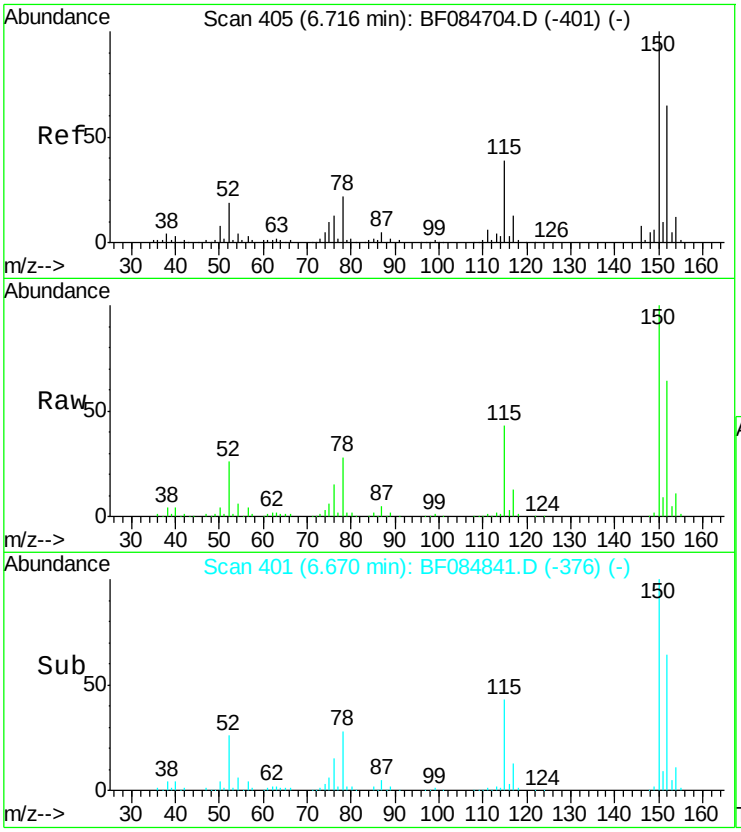
Acq On : 4 Feb 2016 21:08
Operator : SJ/IZ
Sample : H1320-11 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Quant Time: Feb 05 01:39:44 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration



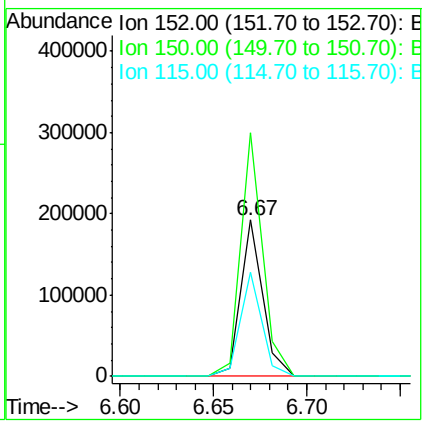


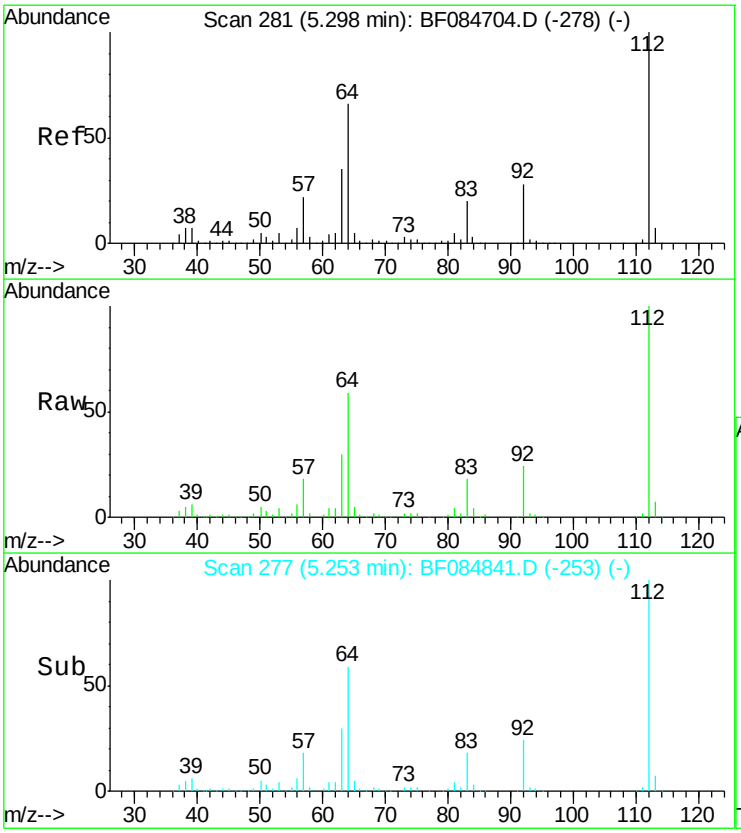
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:152 Resp: 159851

Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.0	184.4
115	66.2	51.4	77.2

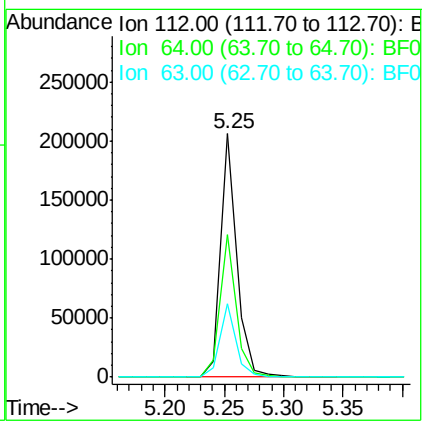


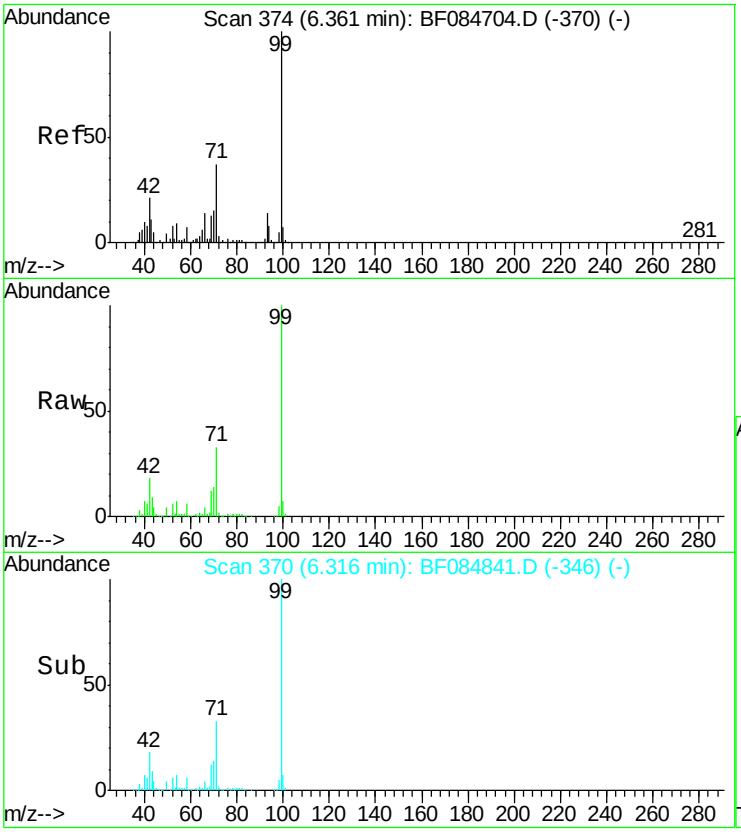


#5
2-Fluorophenol
Concen: 18.78 ng
RT: 5.25 min Scan# 277
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:112 Resp: 192753

Ion	Ratio	Lower	Upper
112	100		
64	58.6	36.6	55.0#
63	30.2	19.4	29.0#



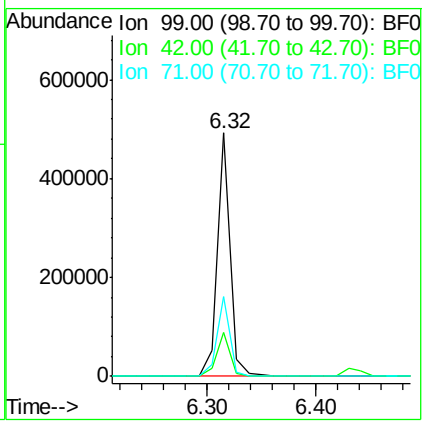


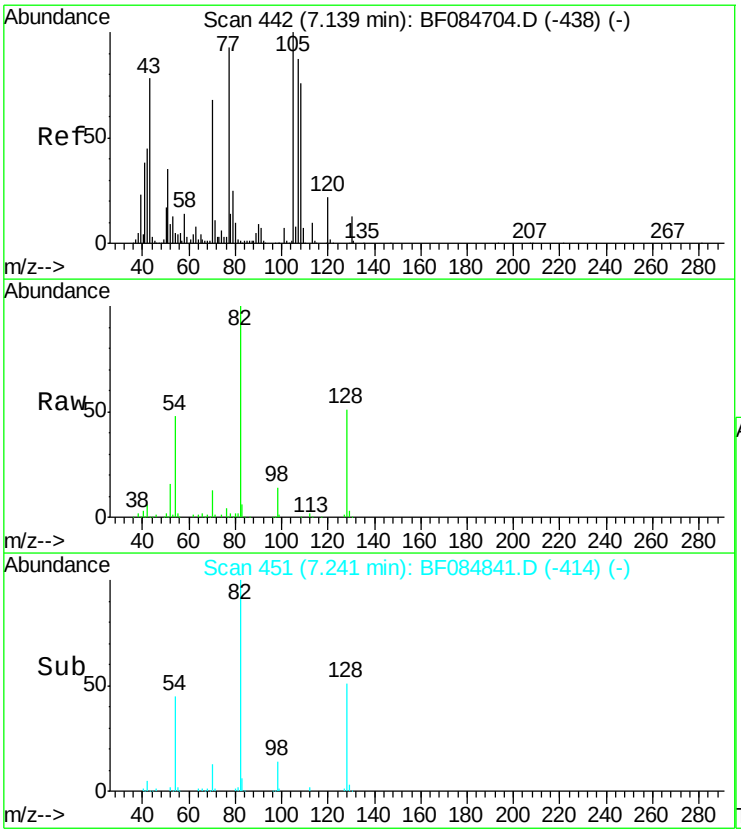
#7
Phenol-d6
Concen: 31.85 ng
RT: 6.32 min Scan# 370
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion: 99 Resp: 405268

Ion	Ratio	Lower	Upper
99	100		
42	17.9	12.8	19.2
71	33.0	30.9	46.3

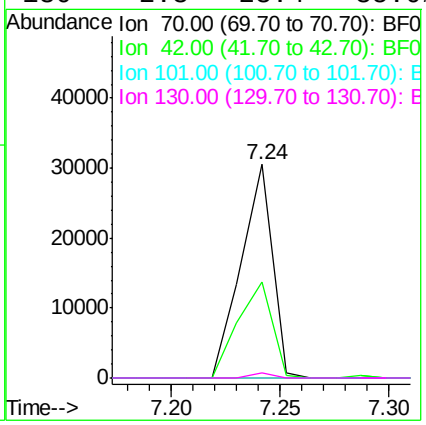


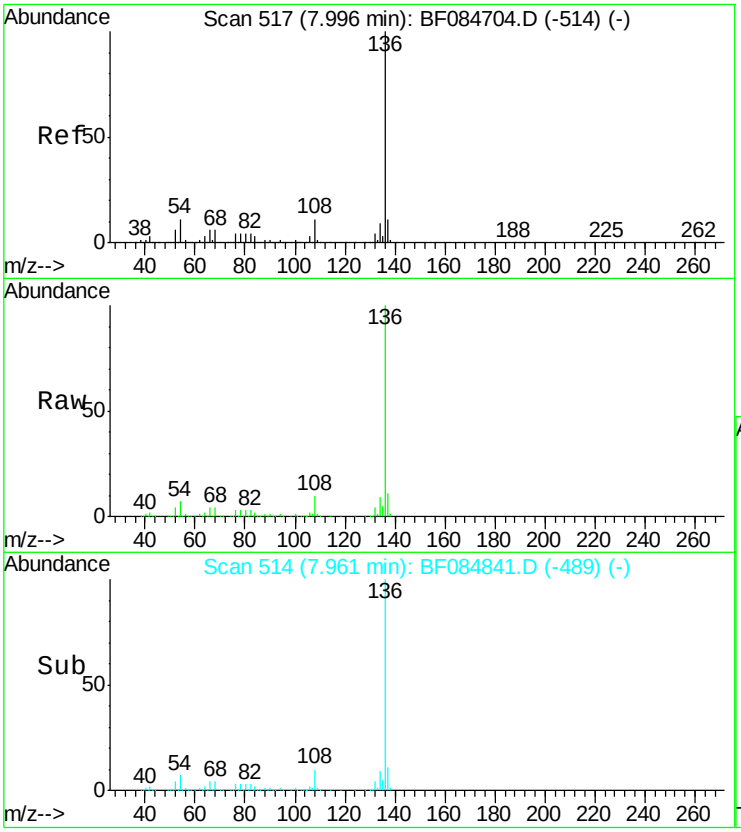


#19
n-Nitroso-di-n-propylamine
Concen: 3.84 ng
RT: 7.24 min Scan# 451
Delta R.T. 0.13 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion: 70 Resp: 30647

Ion	Ratio	Lower	Upper
70	100		
42	44.7	33.3	49.9
101	0.0	9.3	13.9#
130	2.3	23.4	35.0#



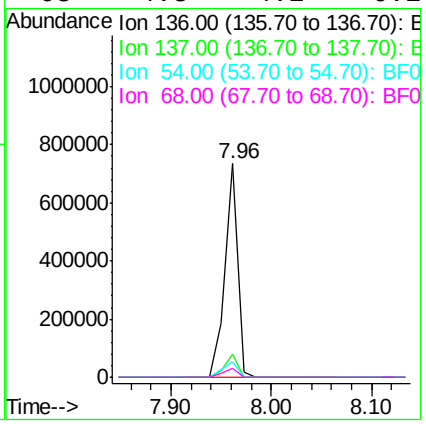


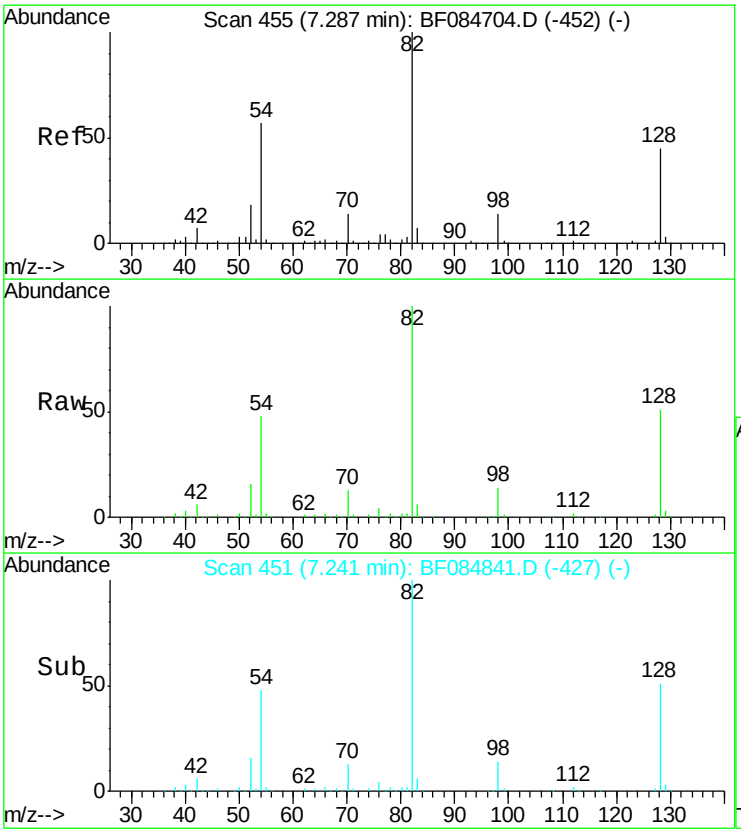
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:136 Resp: 649554

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.0	5.8	8.8
68	4.3	4.2	6.2

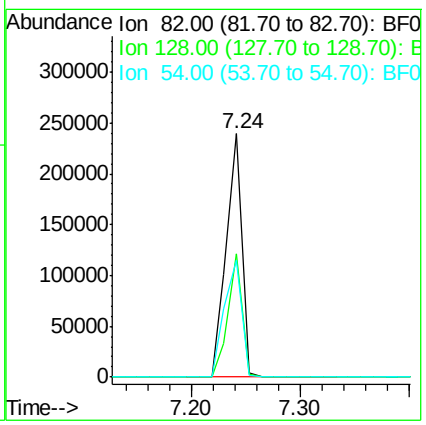


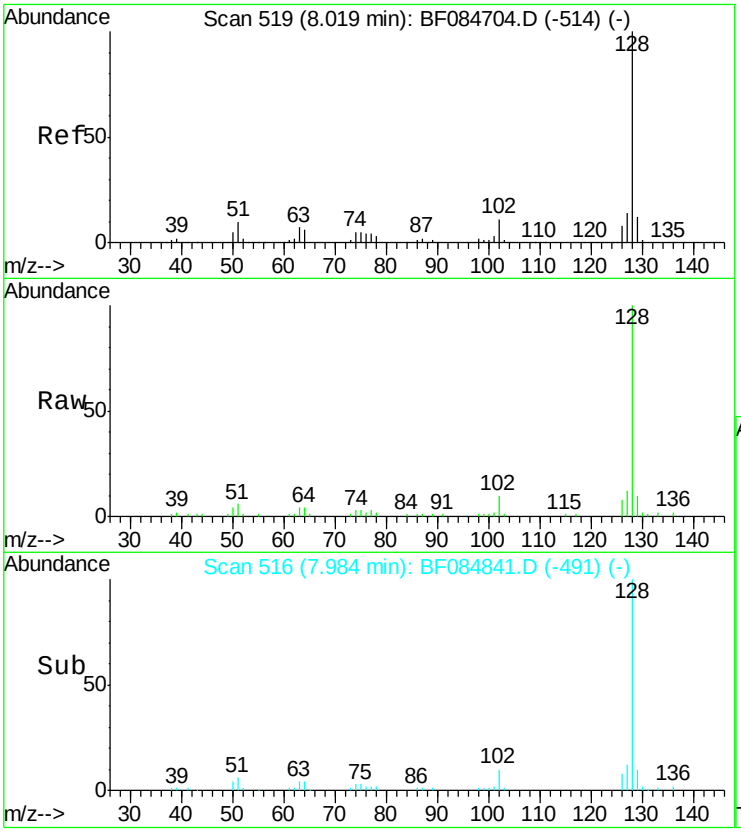


#23
Nitrobenzene-d5
Concen: 20.76 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion: 82 Resp: 239412

Ion	Ratio	Lower	Upper
82	100		
128	50.8	34.6	51.8
54	48.2	38.4	57.6



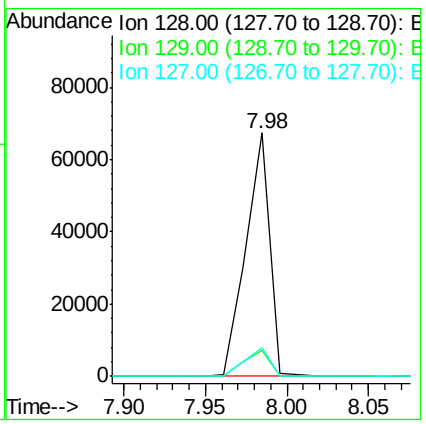


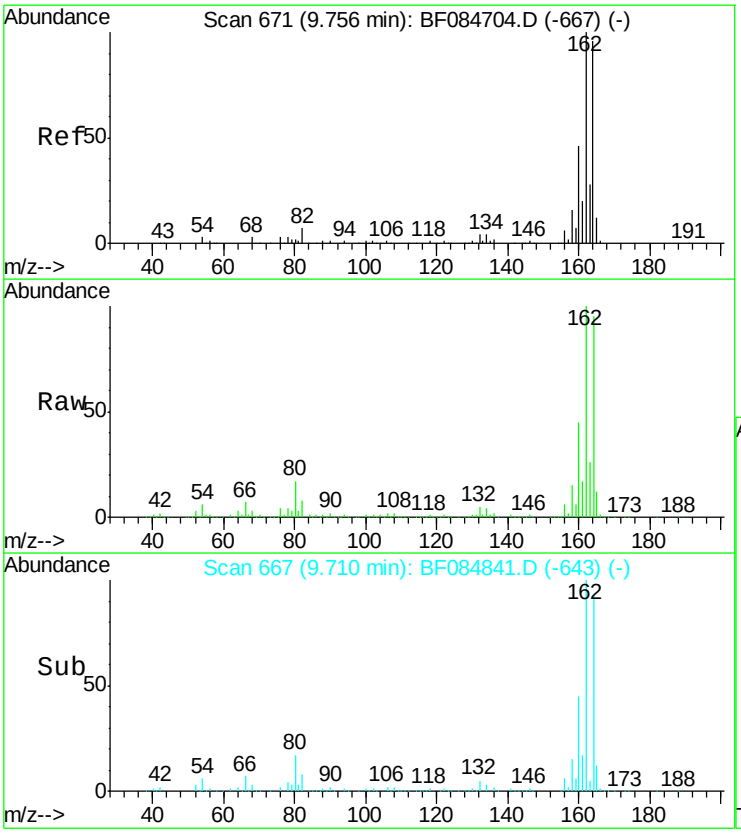
#31
Naphthalene
Concen: 2.09 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:128 Resp: 68076

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	11.7	11.1	16.7

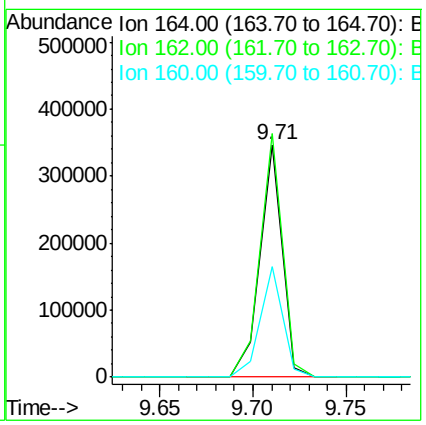


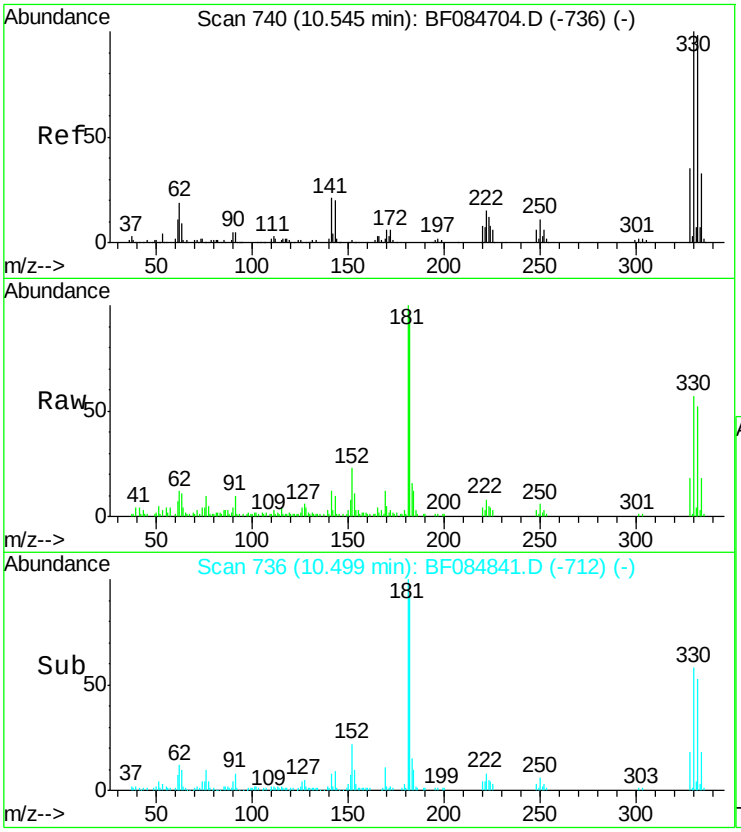


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:164 Resp: 283770

Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.1	127.7
160	47.5	37.5	56.3



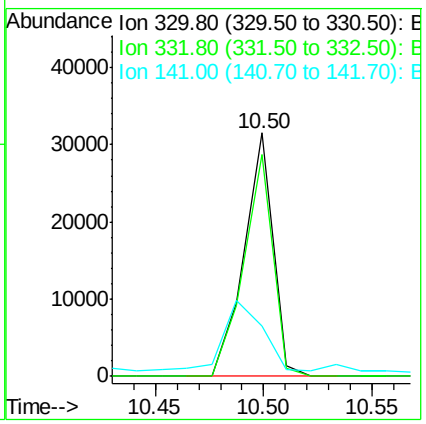


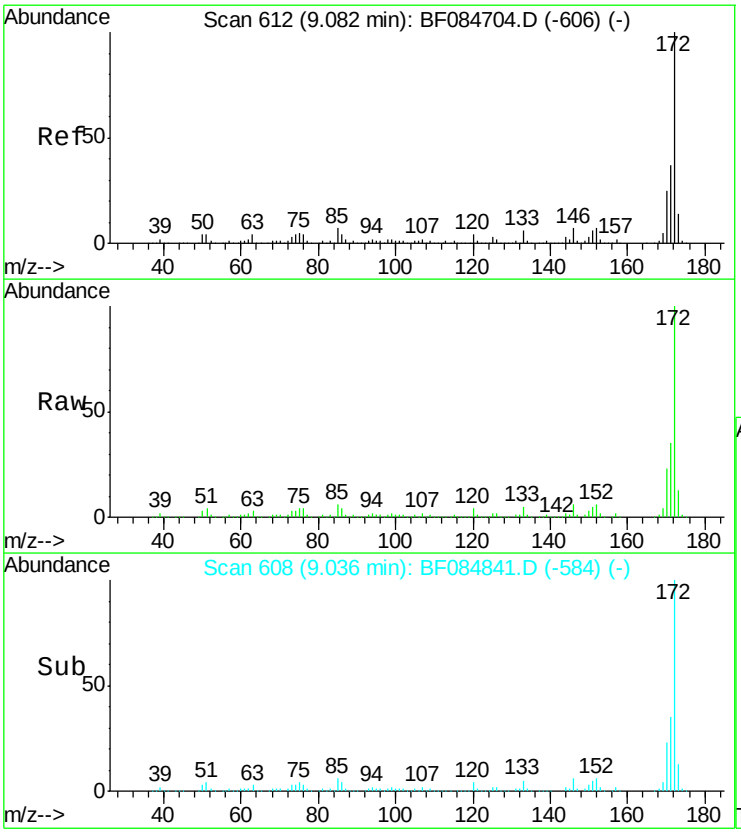
#41
2,4,6-Tribromophenol
Concen: 9.83 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:330 Resp: 29084

Ion	Ratio	Lower	Upper
330	100		
332	92.1	76.6	114.8
141	38.0	27.8	41.6

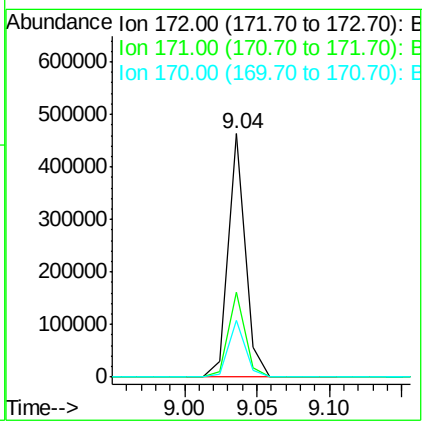


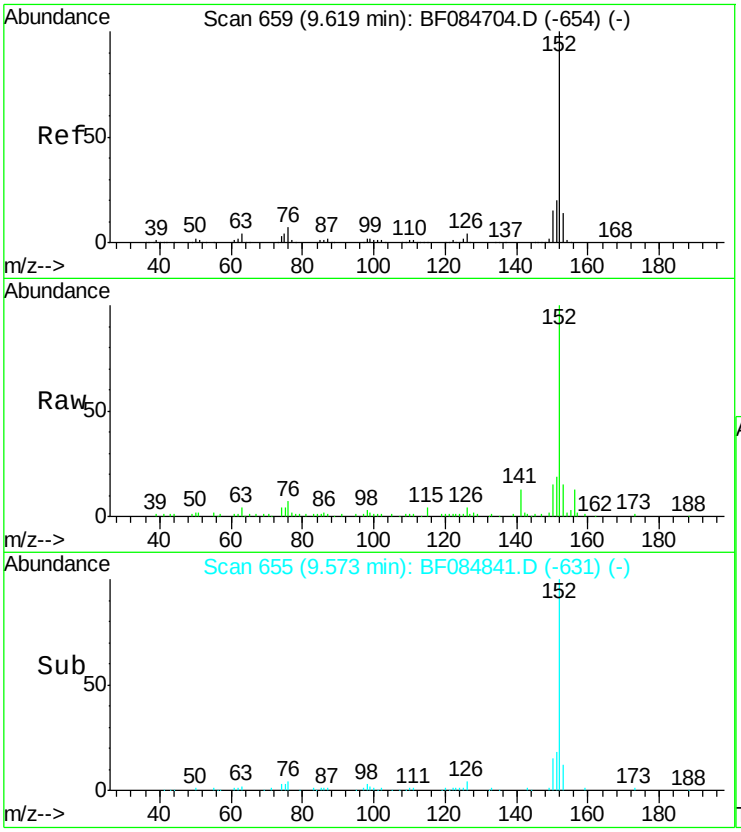


#44
2-Fluorobiphenyl
Concen: 16.98 ng
RT: 9.04 min Scan# 608
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:172 Resp: 378633

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.4	18.6	27.8



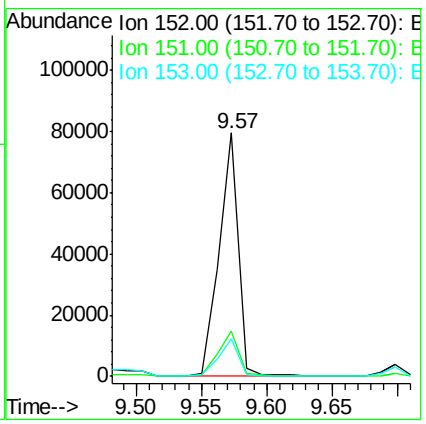


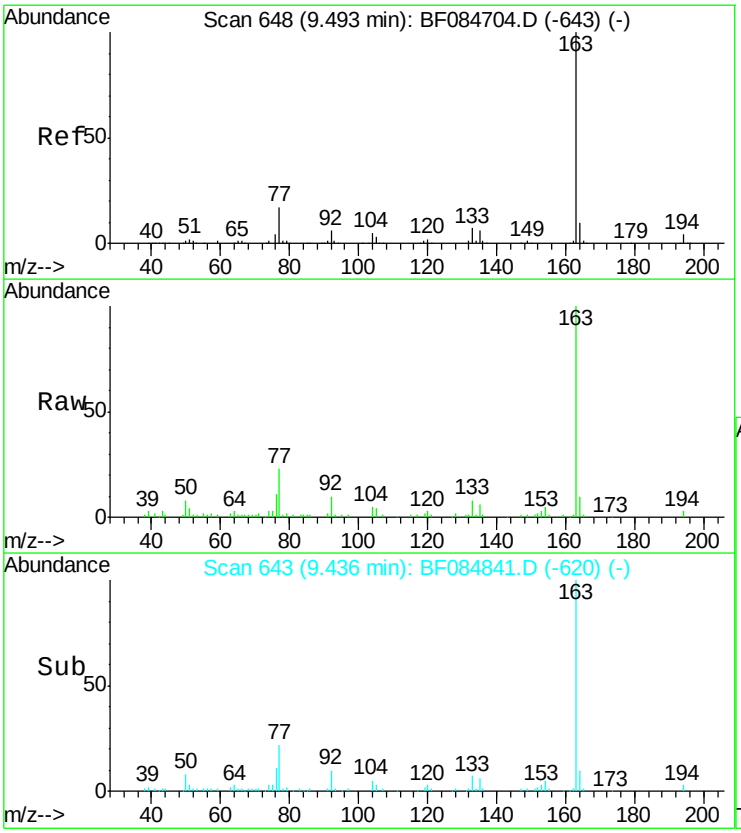
#48
Acenaphthylene
Concen: 2.91 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:152 Resp: 82489

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.3	24.5
153	15.3	10.4	15.6

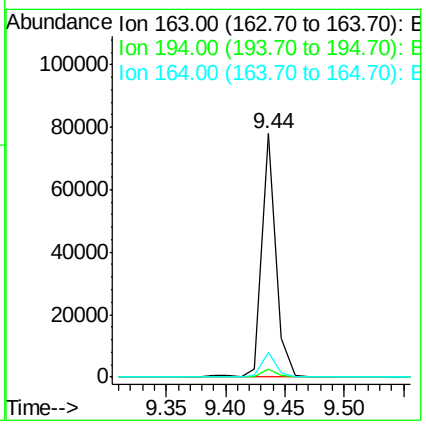


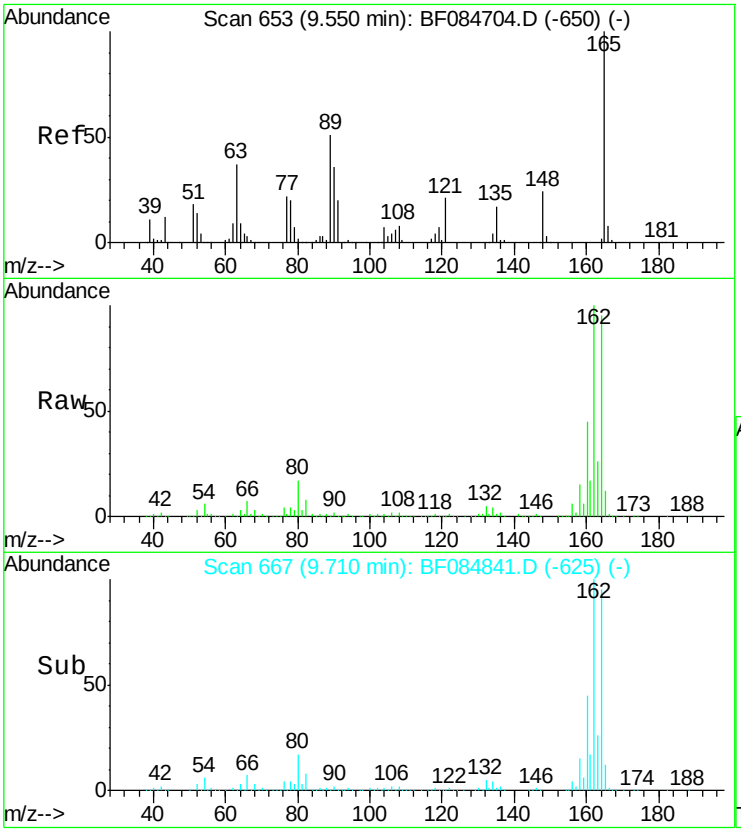


#49
Dimethylphthalate
Concen: 2.99 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:163 Resp: 64690

Ion	Ratio	Lower	Upper
163	100		
194	3.3	8.0	12.0#
164	10.2	8.0	12.0



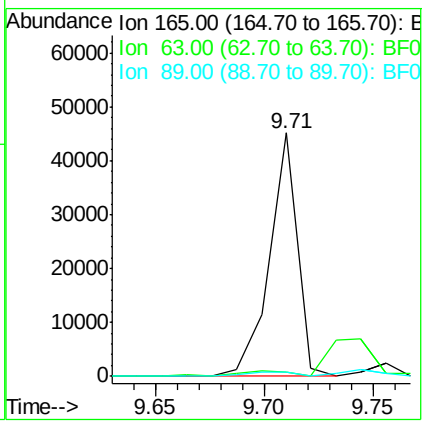


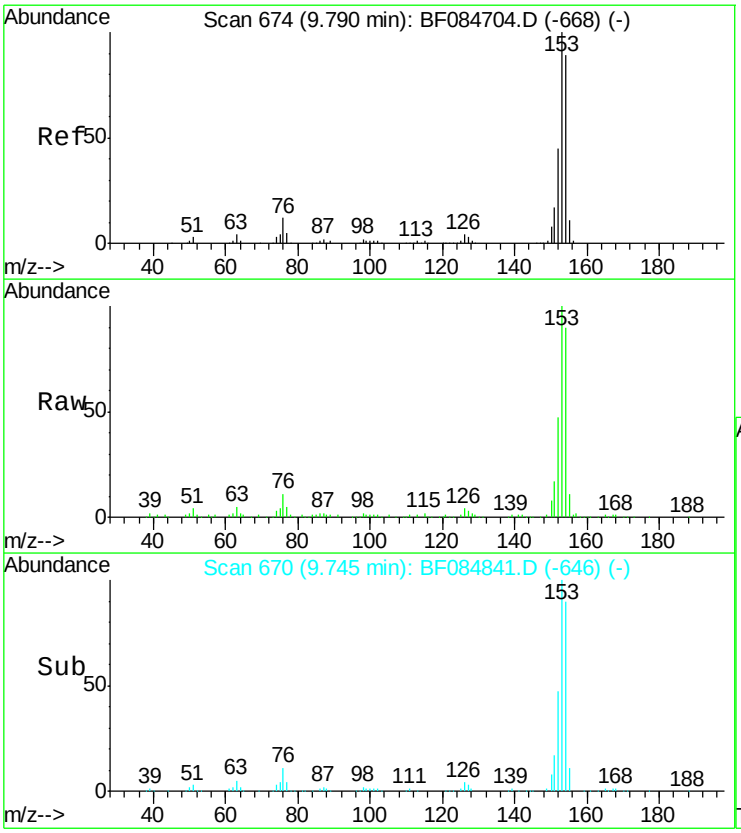
#50
2,6-Dinitrotoluene
Concen: 8.64 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.18 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:165 Resp: 40793

Ion	Ratio	Lower	Upper
165	100		
63	1.7	28.8	43.2#
89	1.9	35.1	52.7#

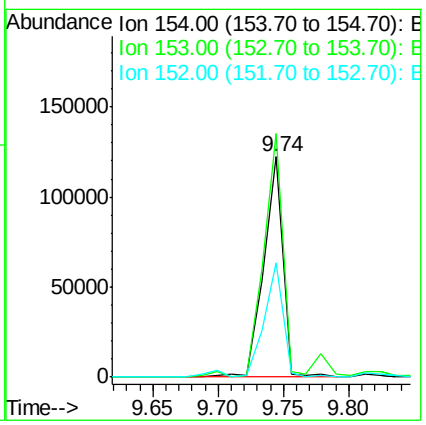


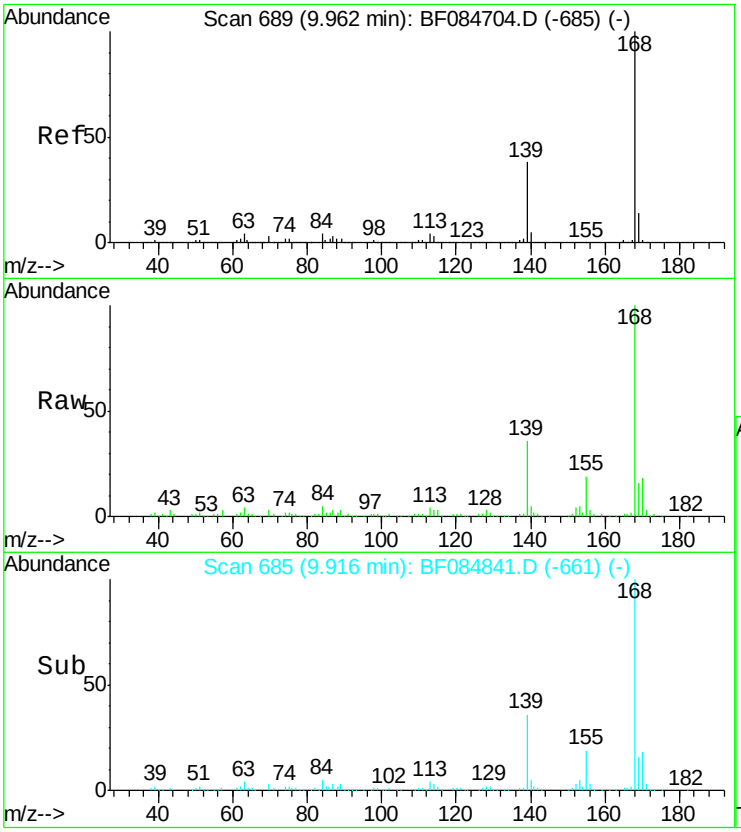


#51
Acenaphthene
Concen: 6.83 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:154 Resp: 125781

Ion	Ratio	Lower	Upper
154	100		
153	110.7	91.5	137.3
152	51.9	43.0	64.6



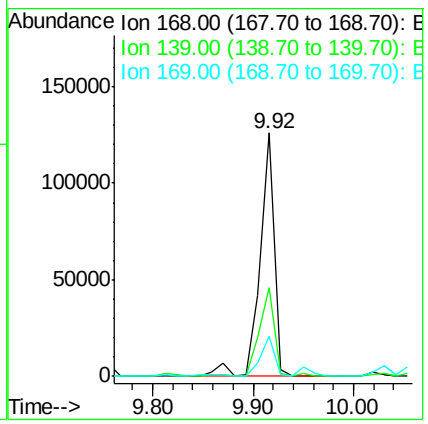


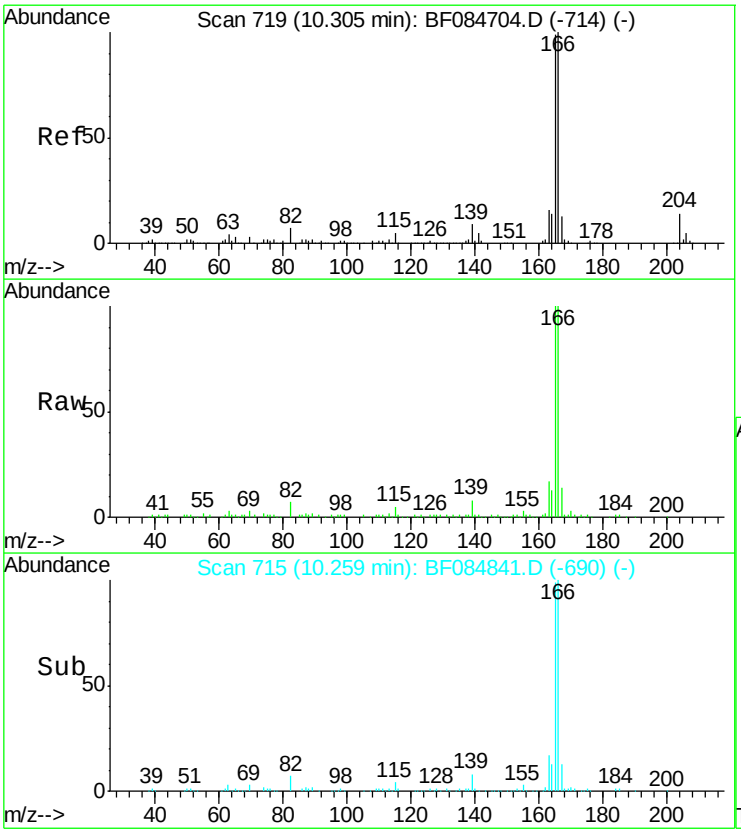
#54
Dibenzofuran
Concen: 5.58 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:168 Resp: 125569

Ion	Ratio	Lower	Upper
168	100		
139	36.4	30.5	45.7
169	16.2	10.4	15.6#

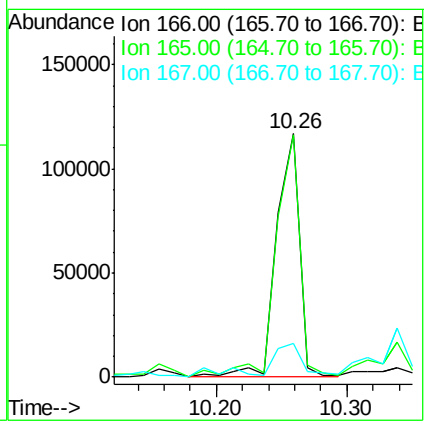


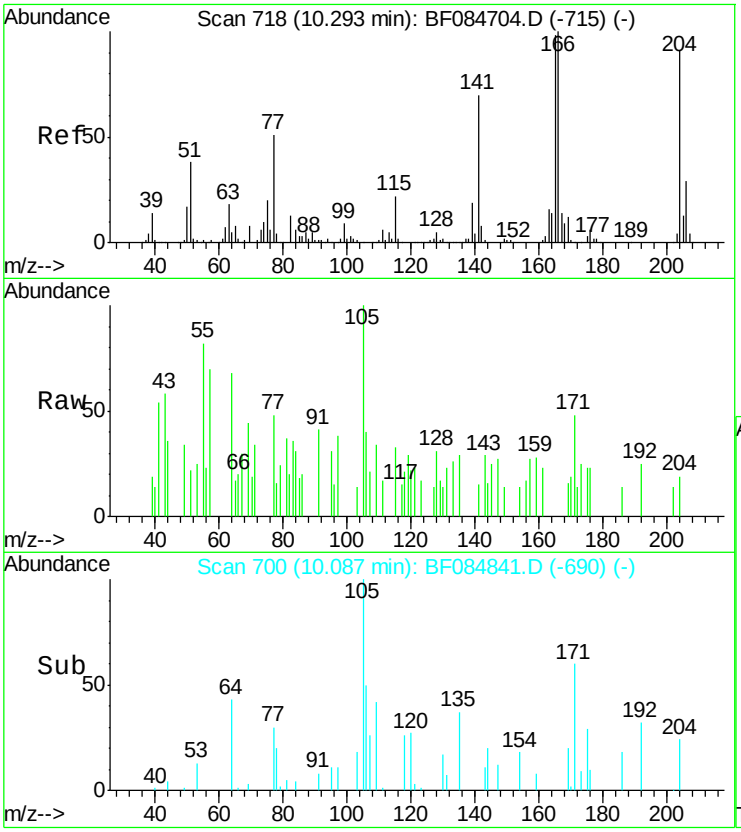


#57
Fluorene
Concen: 7.75 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:166 Resp: 145853

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.1	118.7
167	13.8	10.4	15.6



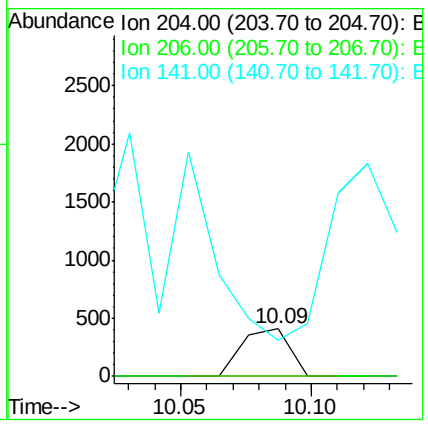


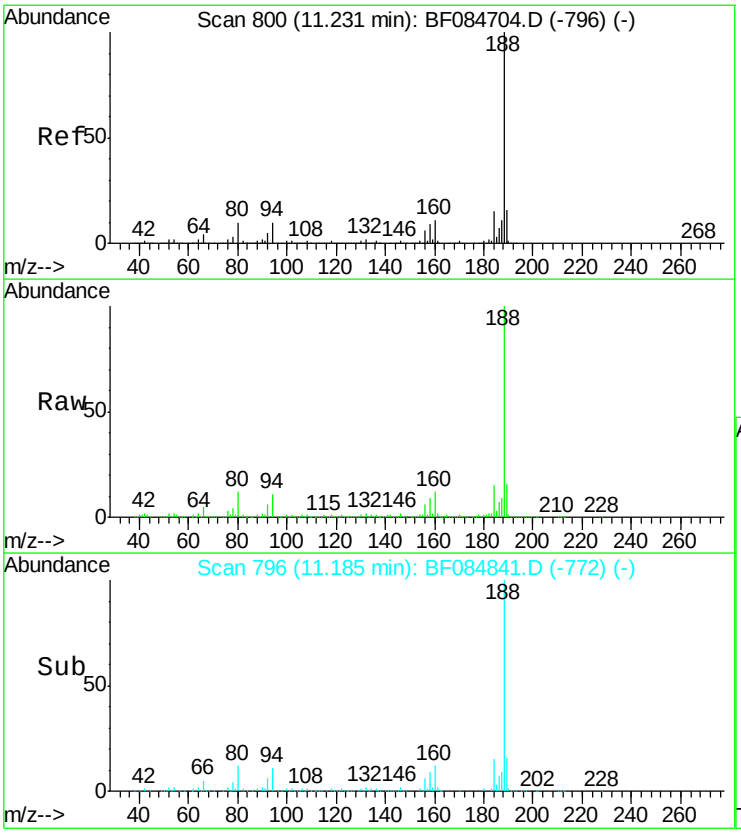
#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.09 min Scan# 700
Delta R.T. -0.18 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:204 Resp: 523

Ion	Ratio	Lower	Upper
204	100		
206	0.0	25.7	38.5#
141	77.3	55.1	82.7

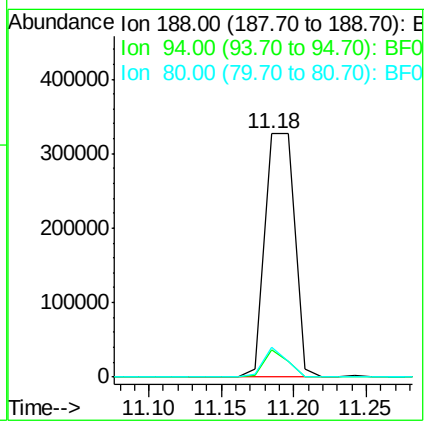


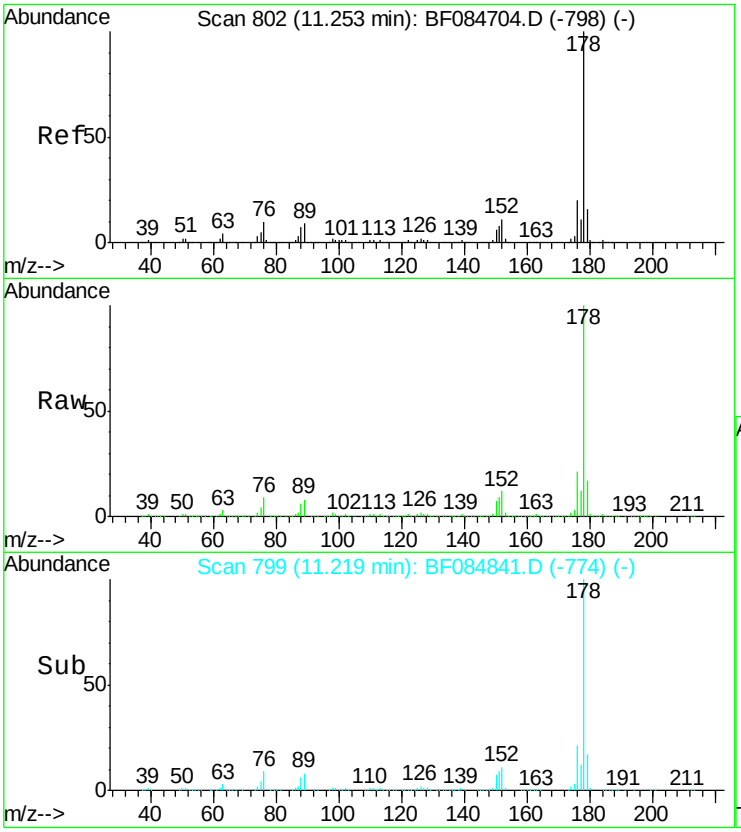


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:188 Resp: 465797

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.4
80	12.3	9.6	14.4



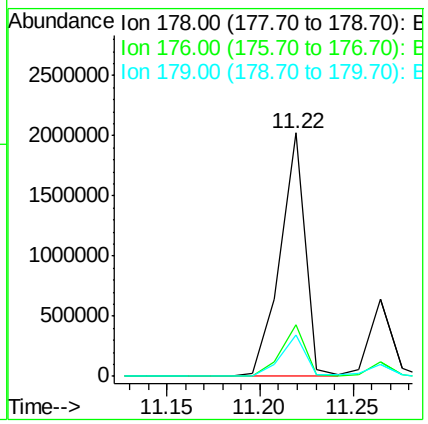


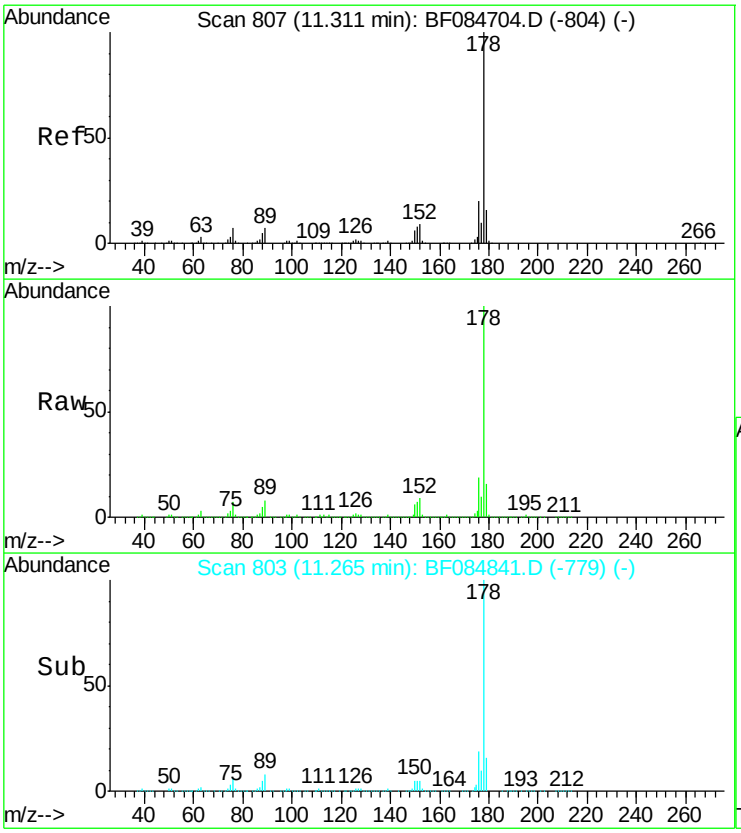
#70
Phenanthrene
Concen: 73.32 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:178 Resp: 1894271

Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.3	22.9
179	16.8	12.0	18.0

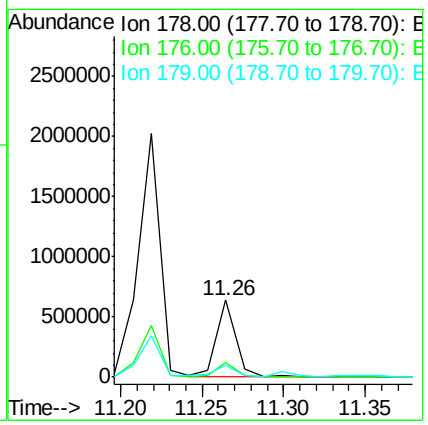


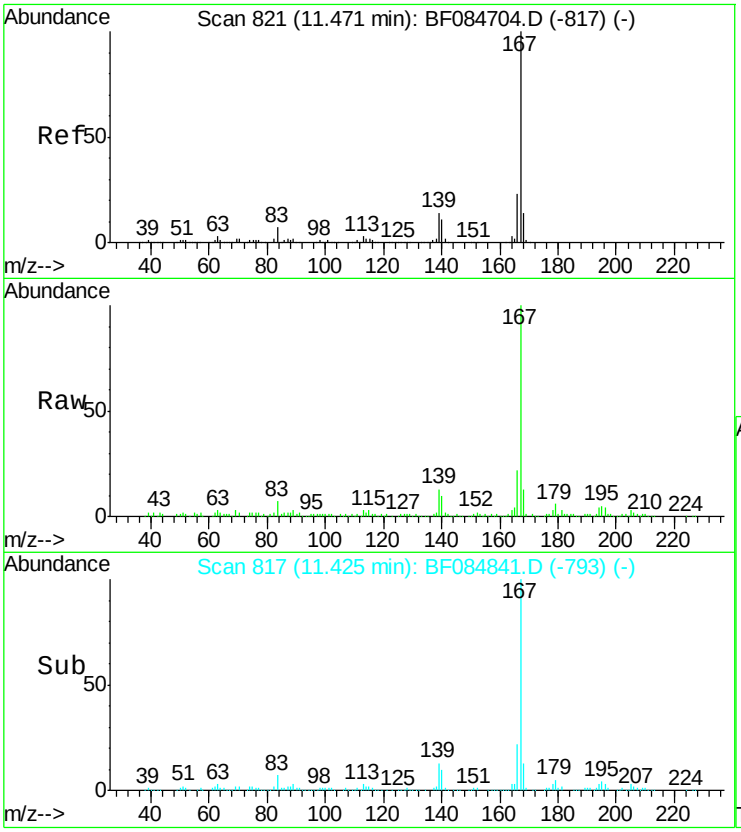


#71
Anthracene
Concen: 20.40 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:178 Resp: 531052

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	16.1	12.5	18.7



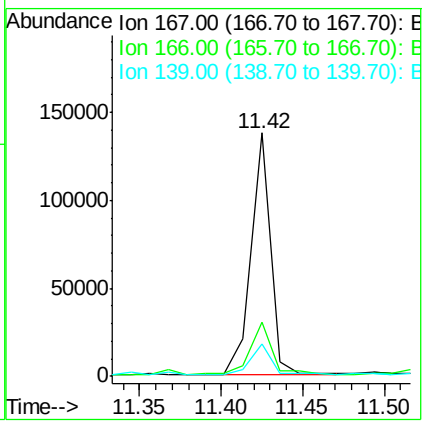


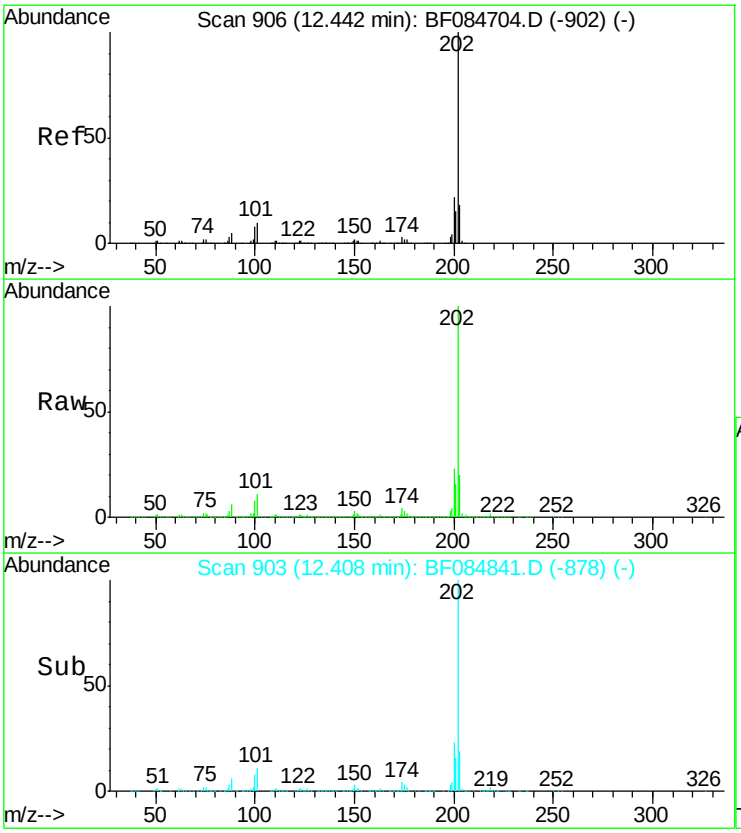
#72
Carbazole
Concen: 5.11 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:167 Resp: 116045

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	13.2	11.8	17.8

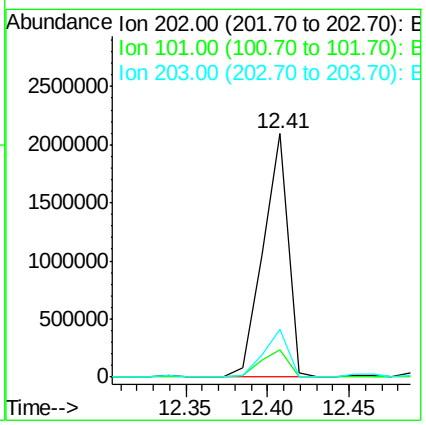


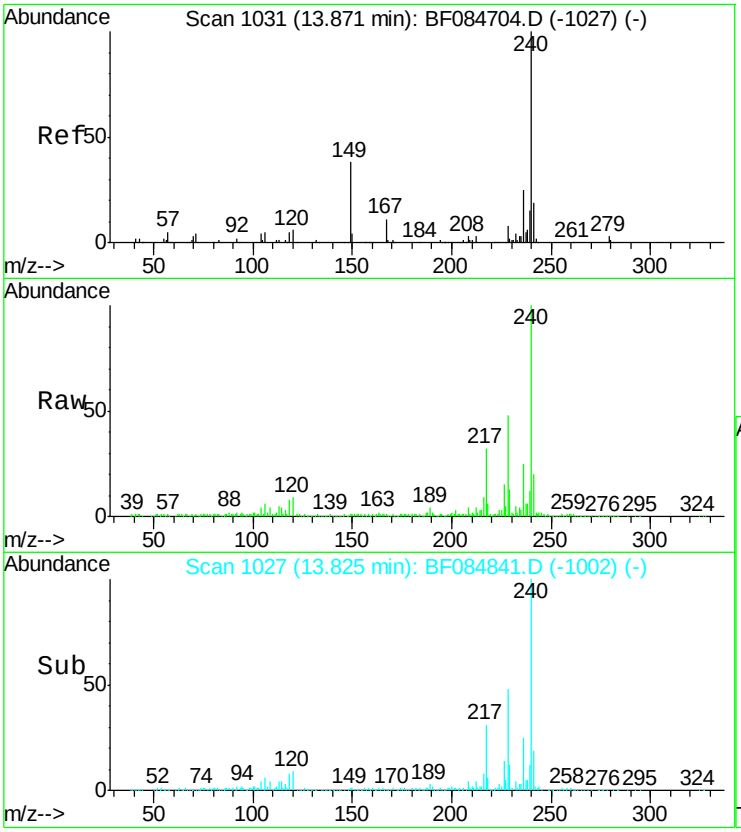


#74
Fluoranthene
Concen: 85.47 ng
RT: 12.41 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:202 Resp: 2234831

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.8
203	19.5	0.0	37.9



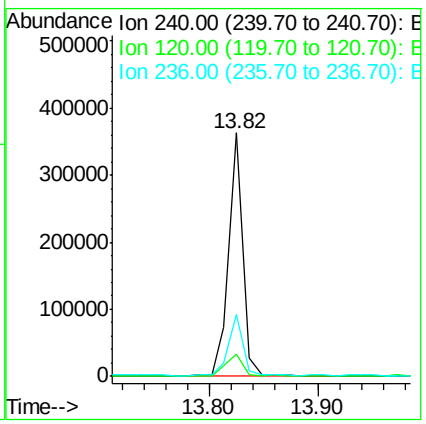


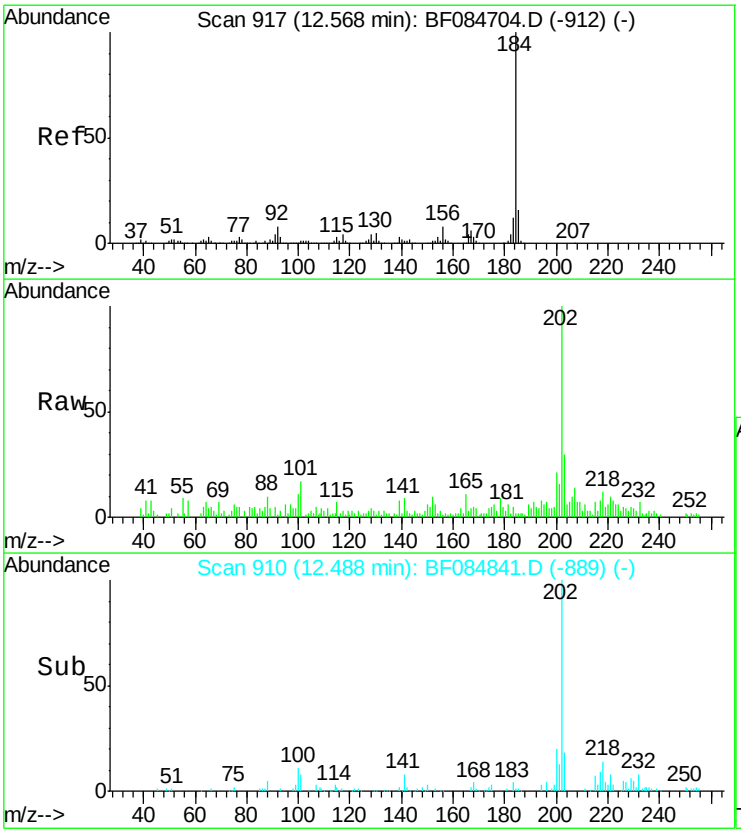
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:240 Resp: 322036

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	25.5	20.6	31.0

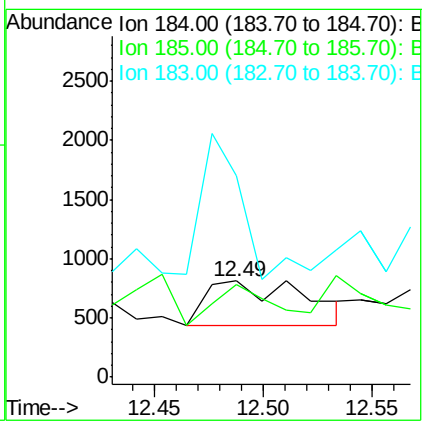


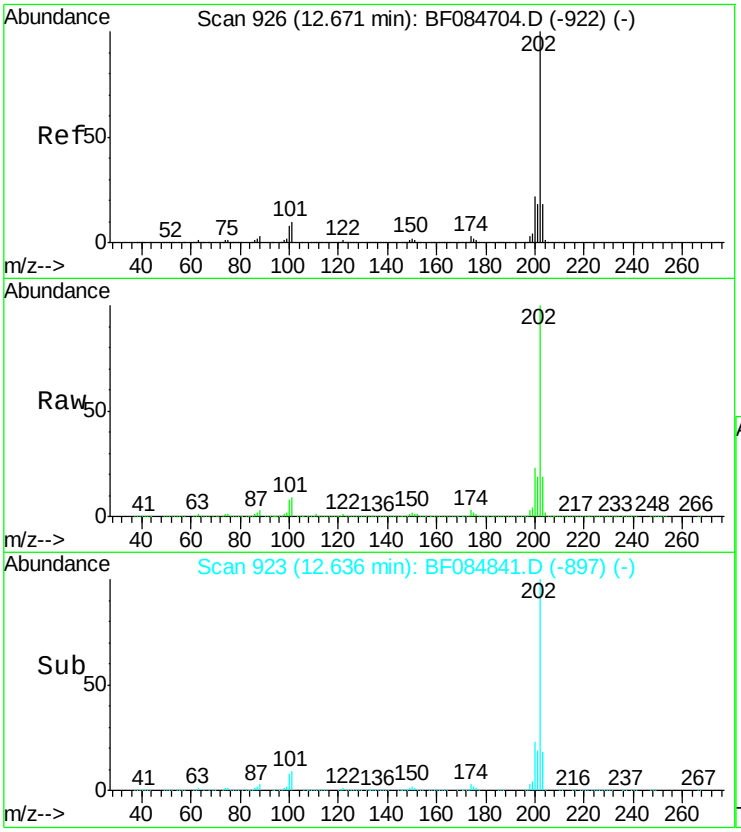


#76
Benzidine
Concen: 6.96 ng
RT: 12.49 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:184 Resp: 1175

Ion	Ratio	Lower	Upper
184	100		
185	96.6	12.2	18.2#
183	209.4	9.8	14.8#



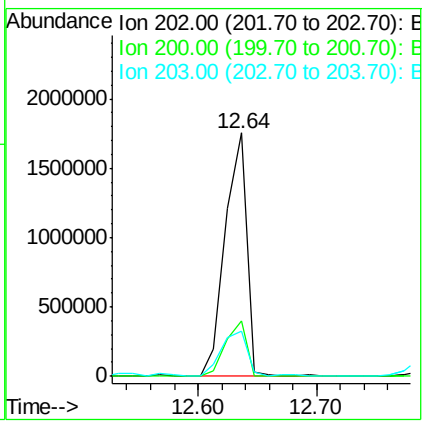


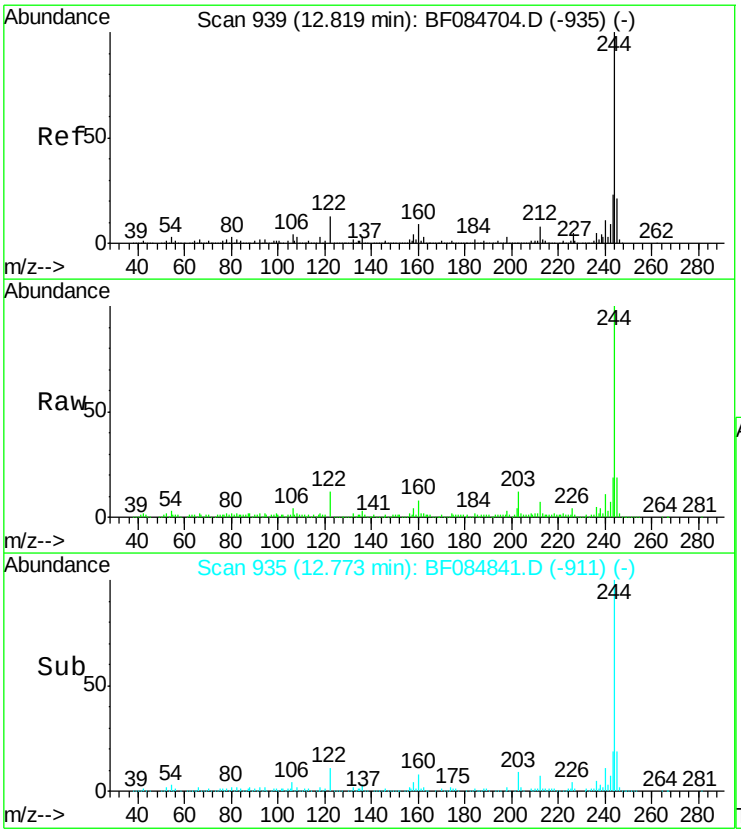
#77
Pyrene
Concen: 89.15 ng
RT: 12.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:202 Resp: 2198139

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.2	25.8
203	18.7	14.3	21.5

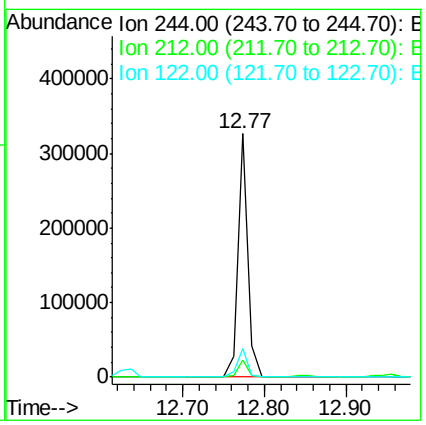


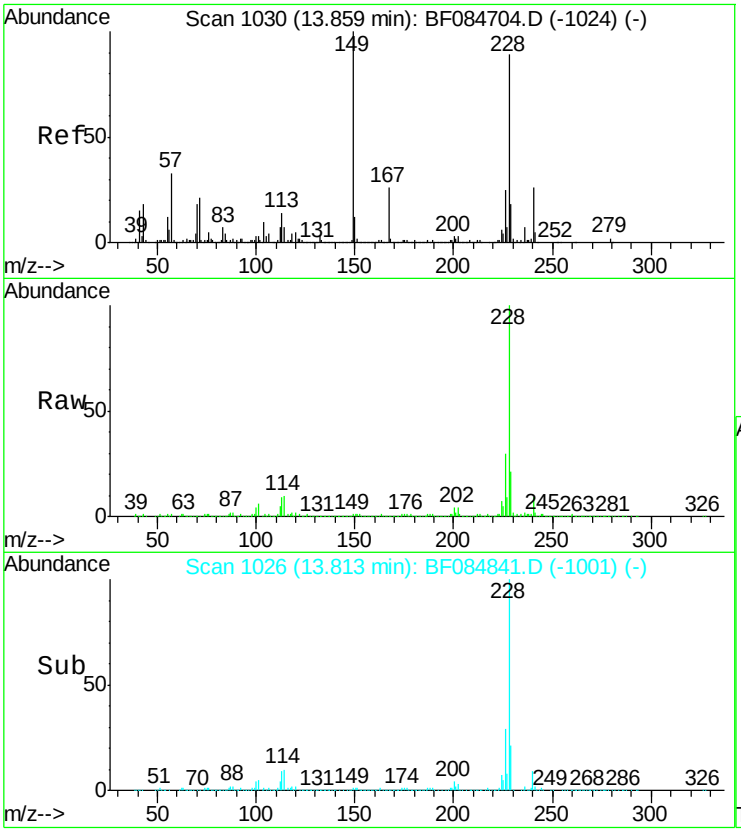


#78
Terphenyl-d14
Concen: 19.34 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:244 Resp: 274863

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.6	7.4	11.0#



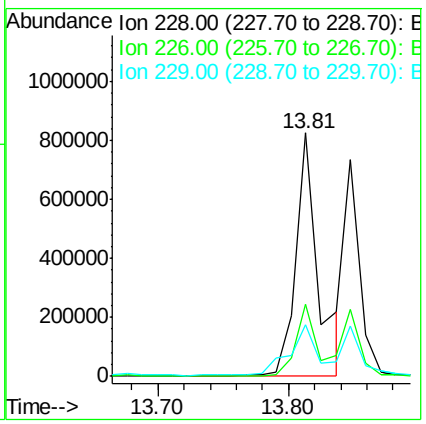


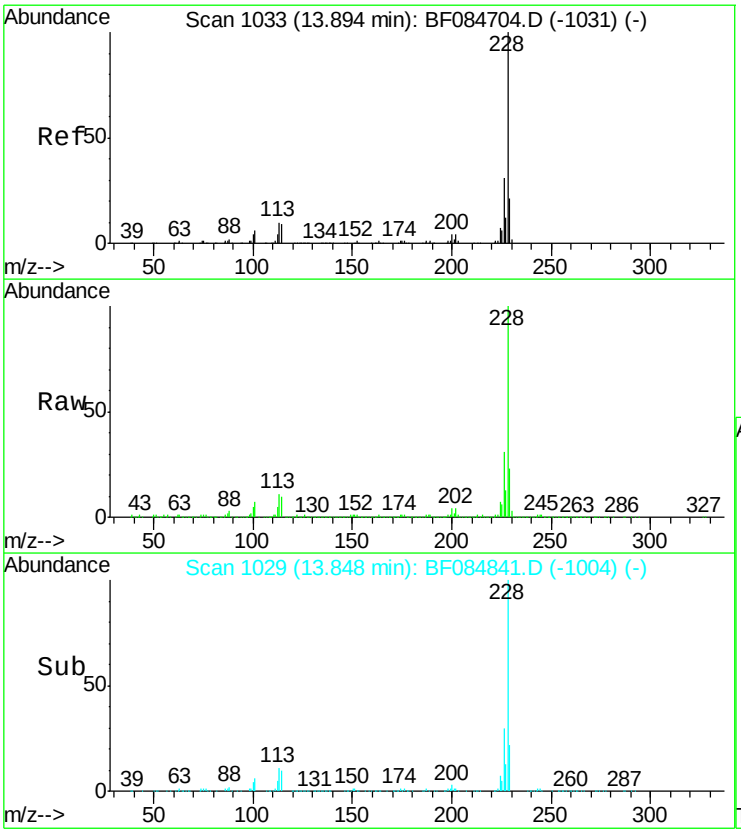
#80
Benzo(a)anthracene
Concen: 49.61 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:228 Resp: 991589

Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.8	32.6
229	21.4	15.8	23.8

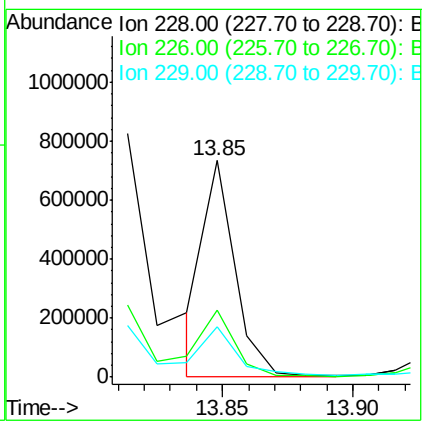


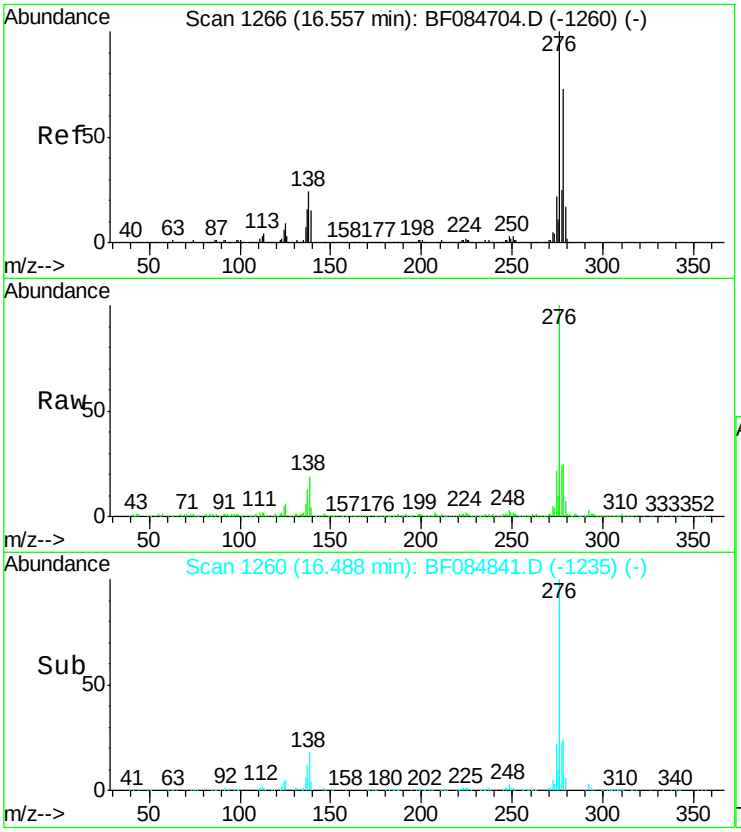


#82
Chrysene
Concen: 31.30 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:228 Resp: 606728

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	23.3	16.1	24.1



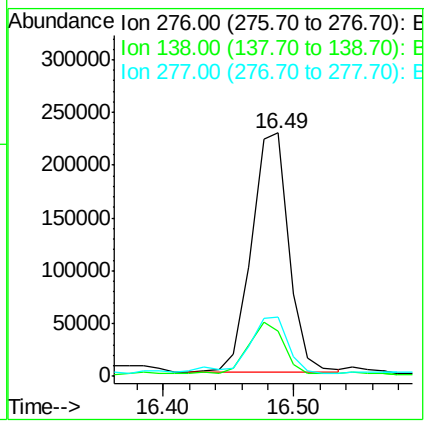


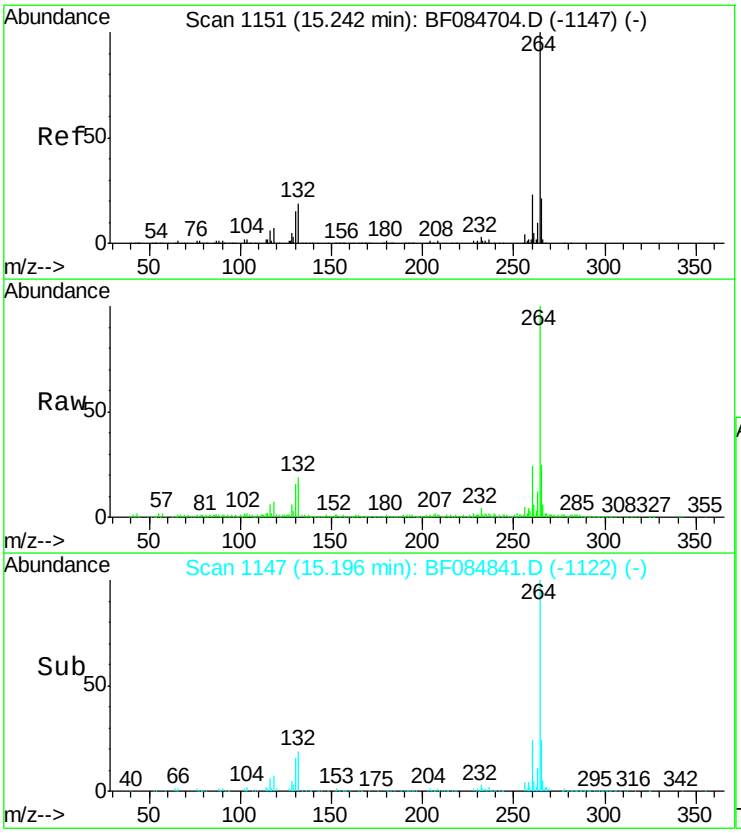
#85
Indeno(1,2,3-cd)pyrene
Concen: 29.66 ng
RT: 16.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:276 Resp: 452486

Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.6	30.8
277	26.7	20.1	30.1

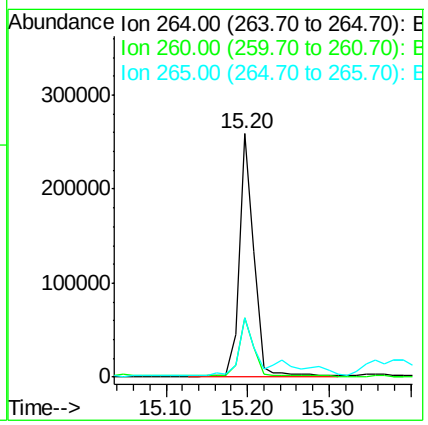


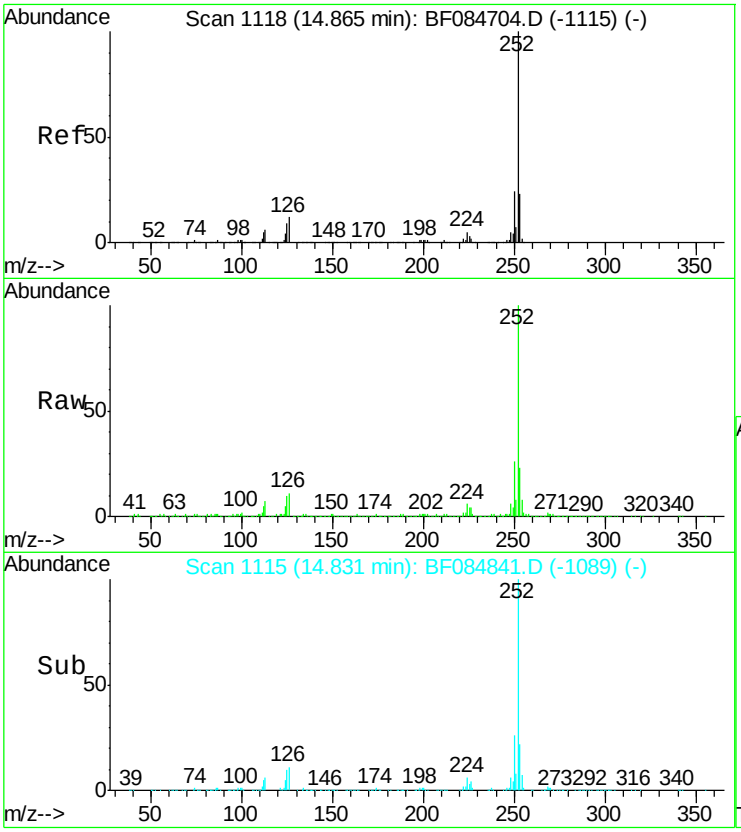


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:264 Resp: 321425

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	24.5	17.8	26.6



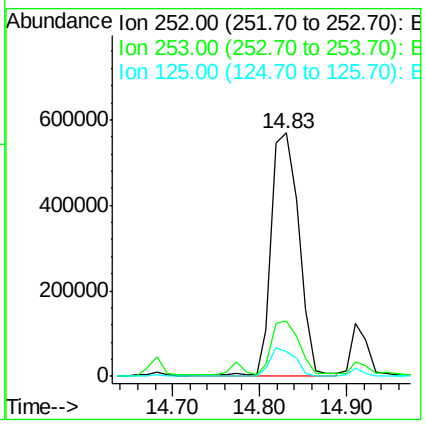


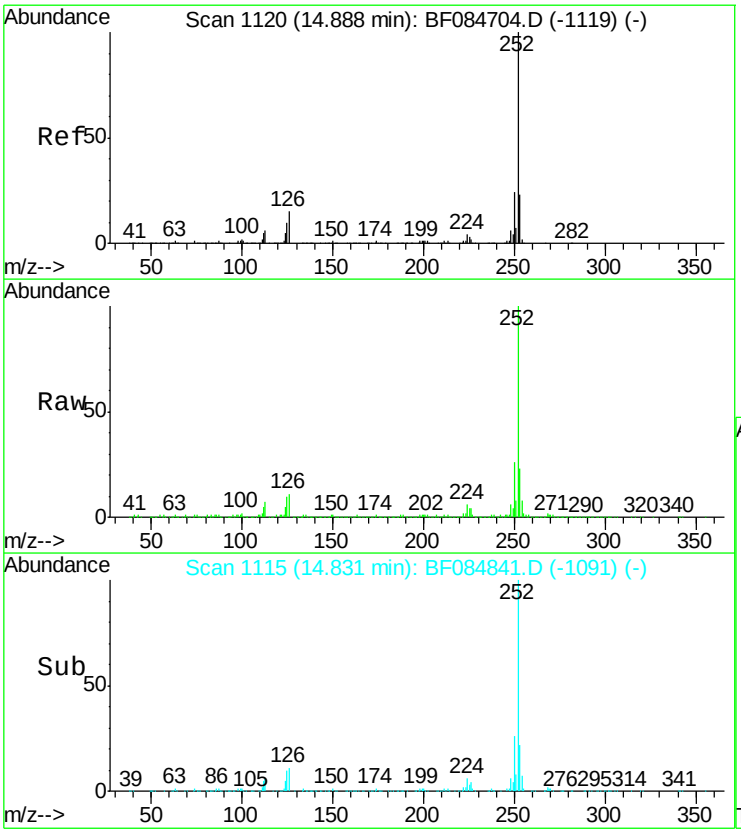
#87
Benzo(b)fluoranthene
Concen: 57.65 ng
RT: 14.83 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:252 Resp: 1244938

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	10.3	6.5	9.7#

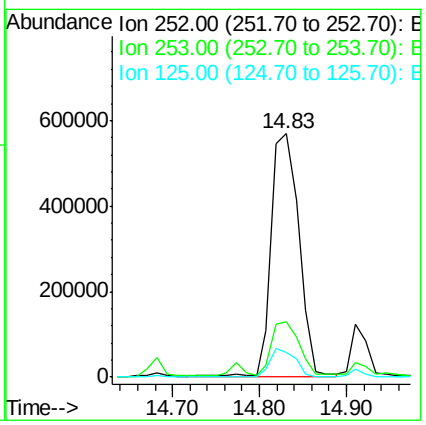


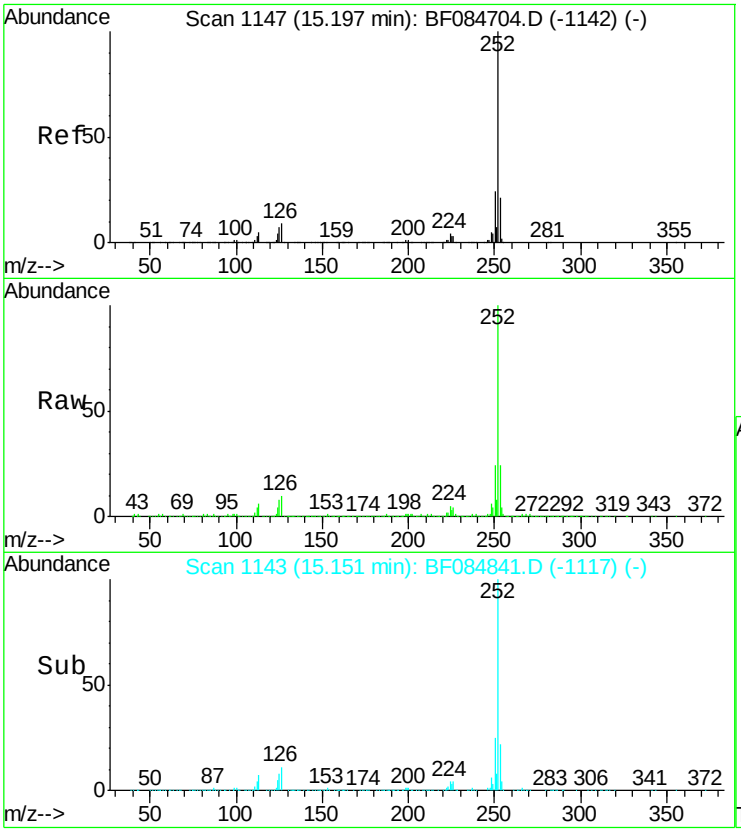


#88
Benzo(k)fluoranthene
Concen: 69.72 ng
RT: 14.83 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:252 Resp: 1244938

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	10.3	9.0	13.6



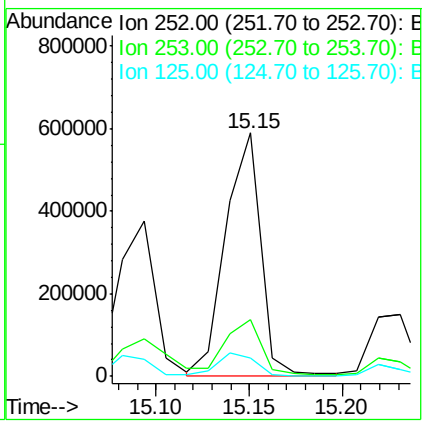


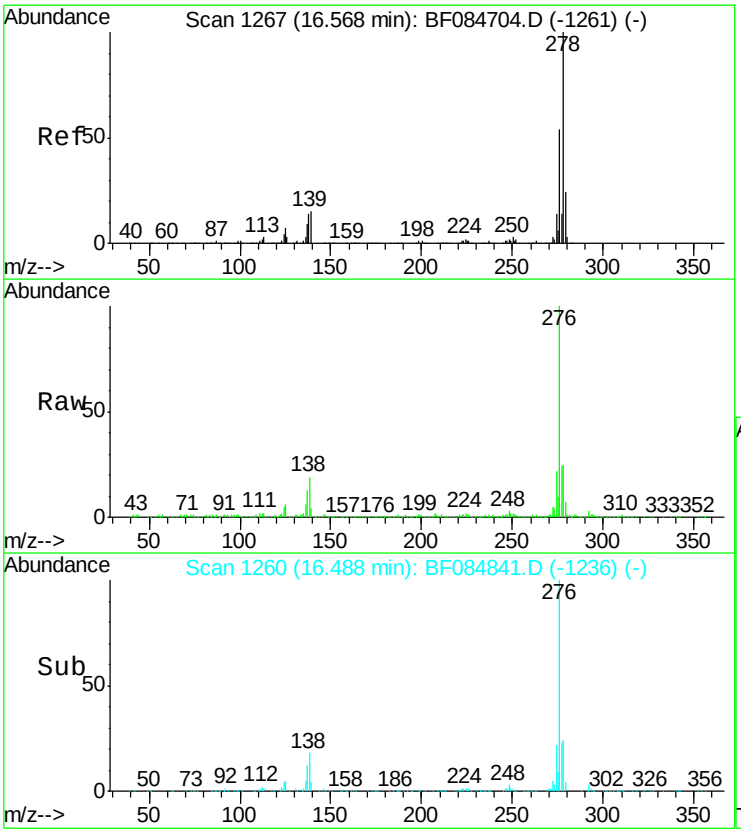
#89
Benzo(a)pyrene
Concen: 42.08 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:252 Resp: 774294

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	7.6	7.0	10.4

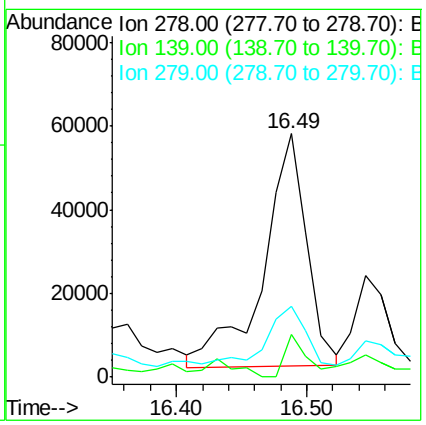


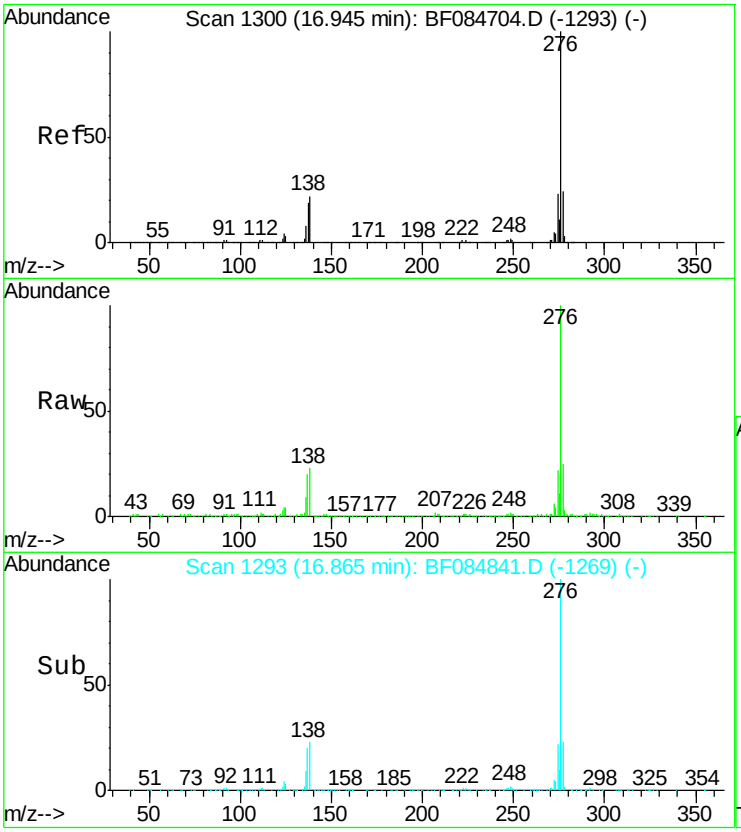


#90
Dibenzo(a,h)anthracene
Concen: 8.33 ng
RT: 16.49 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Tgt Ion:278 Resp: 129023

Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.0	22.4
279	28.9	18.9	28.3#





#91
Benzo(g,h,i)perylene
Concen: 29.10 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BF084841.D
Acq: 4 Feb 2016 21:08

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)

Tgt Ion:276 Resp: 454025

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	22.9	17.8	26.6