Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094499.D
Acq On : 18 Apr 2017 21:10
Operator : SJ/MA
Sample : I2708-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 19 01:16:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	122118	20.00	ng		0.00
21) Naphthalene-d8	7.27	136	515090	20.00	ng		0.00
38) Acenaphthene-d10	9.40	164	189241	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	375678	20.00	ng		0.00
75) Chrysene-d12	14.47	240	267108	20.00	ng		0.00
86) Perylene-d12	16.09	264	247653	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.33	112	1005978	136.67	ng		0.03
7) Phenol-d6	5.40	99	1352471	155.86	ng		0.00
23) Nitrobenzene-d5	6.42	82	810725	97.19	ng		0.00
41) 2,4,6-Tribromophenol	10.38	330	245899	166.12	ng		0.00
44) 2-Fluorobiphenyl	8.59	172	1232529	95.83	ng		0.00
78) Terphenyl-d14	13.20	244	893475	89.41	ng		0.00
Target Compounds							Qvalue
10) Phenol	5.41	94	67920	6.37	ng		90
17) 2-Methylphenol	6.09	107	66530	10.09	ng		93
19) n-Nitroso-di-n-propylamine	6.42	70	107381	18.68	ng	#	77
20) 3+4-Methylphenols	6.27	107	115530	12.89	ng	#	62
27) 2,4-Dimethylphenol	6.89	122	21840	2.85	ng		92
31) Naphthalene	7.28	128	182700	7.38	ng	#	84
32) Benzoic acid	7.05	122	41673	10.28	ng	#	11
49) Dimethylphthalate	9.09	163	500141	35.46	ng		99
56) 2,4-Dinitrotoluene	9.40	165	25536	6.57	ng	#	34
70) Phenanthrene	11.24	178	223842	10.58	ng		98
71) Anthracene	11.31	178	47399	2.17	ng		96
74) Fluoranthene	12.71	202	375591	17.13	ng		99
77) Pyrene	12.98	202	345202	18.50	ng		97
80) Benzo(a)anthracene	14.45	228	145405	9.37	ng		96
82) Chrysene	14.49	228	141393	9.97	ng		97
85) Indeno(1,2,3-cd)pyrene	17.35	276	90666	6.72	ng	#	91
87) Benzo(b)fluoranthene	15.69	252	241789	15.96	ng	#	98
88) Benzo(k)fluoranthene	15.69	252	241789	16.87	ng		98
89) Benzo(a)pyrene	16.03	252	133544	9.48	ng		98
91) Benzo(g,h,i)perylene	17.72	276	88464	7.42	ng		98

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

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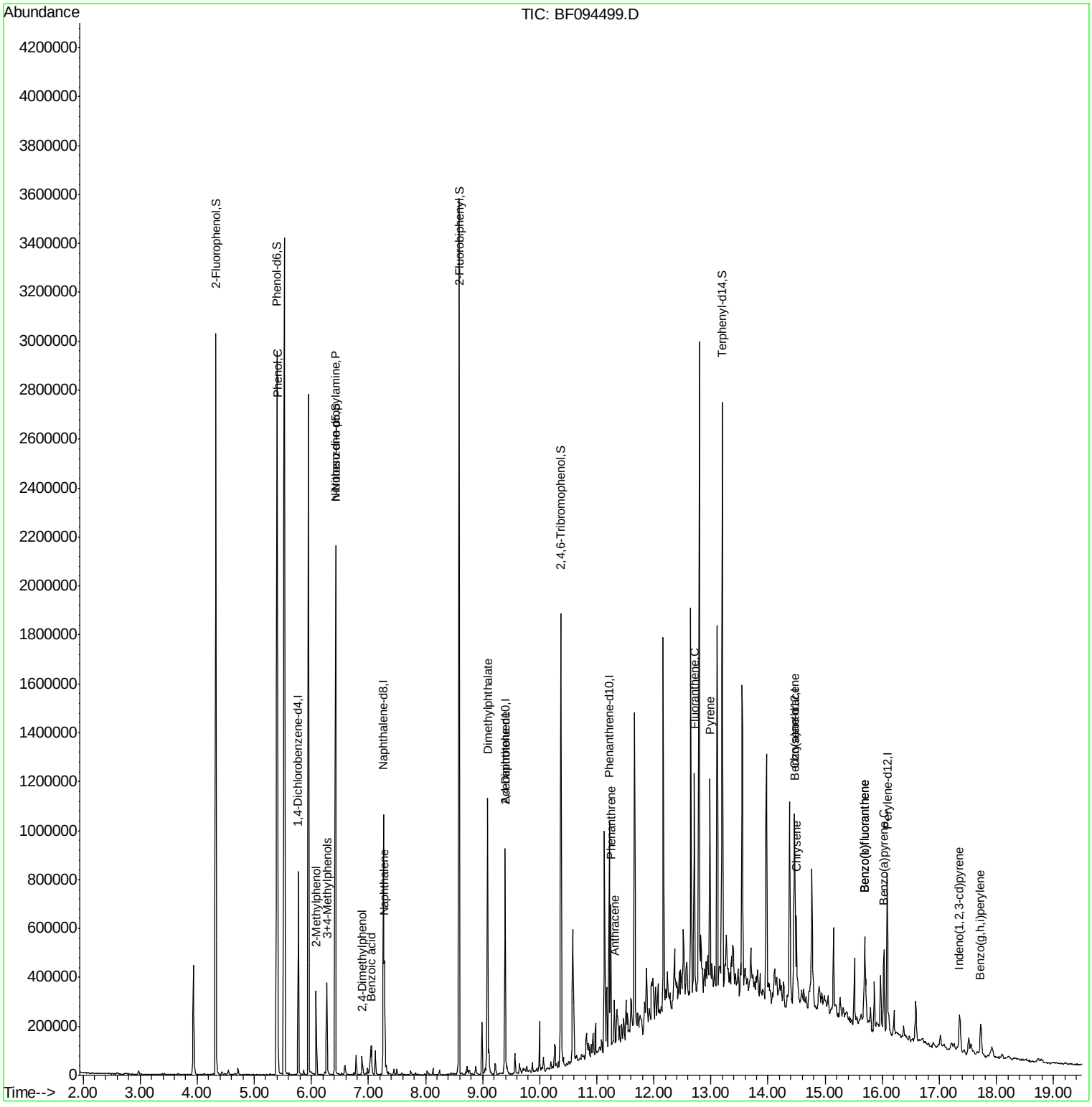
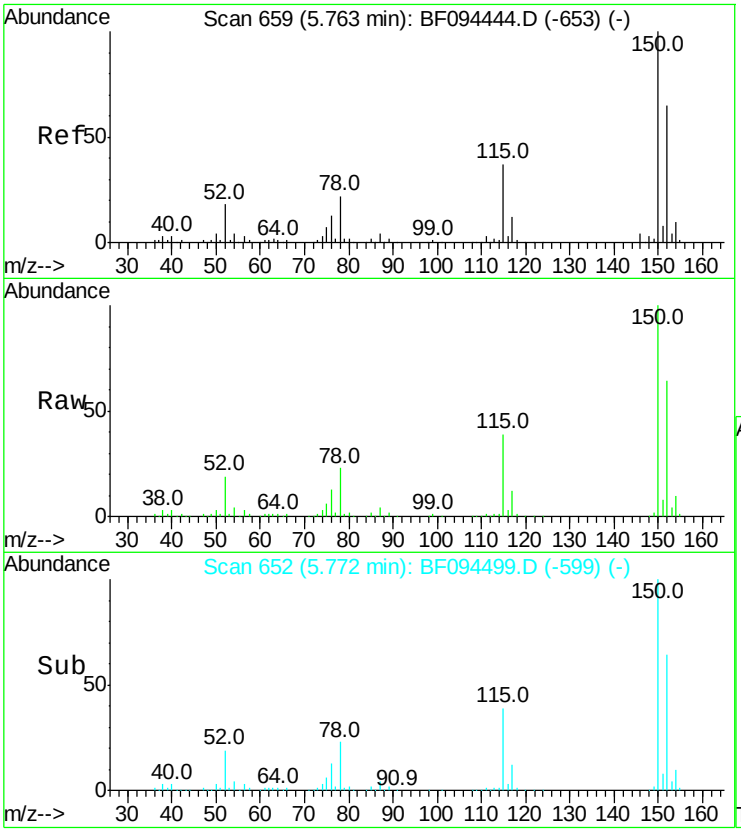


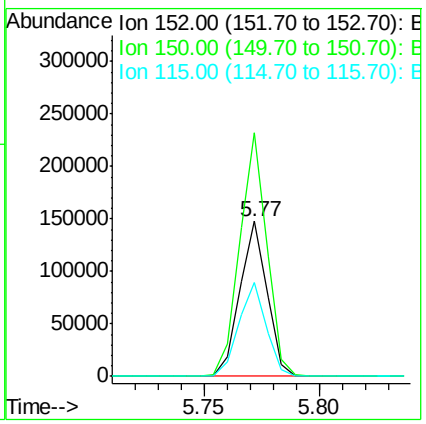


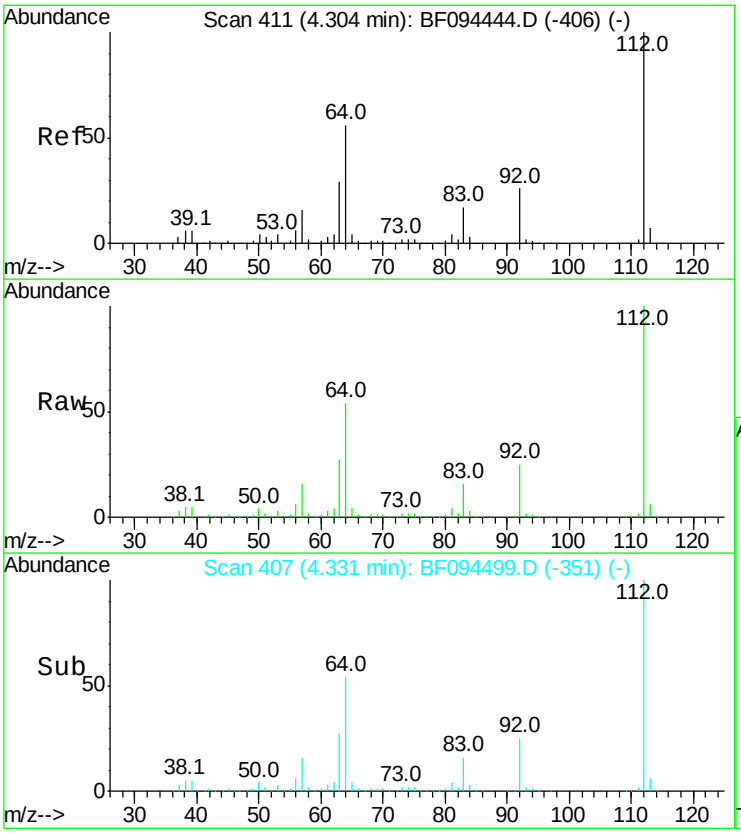
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 122118

Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	60.8	52.2	78.2

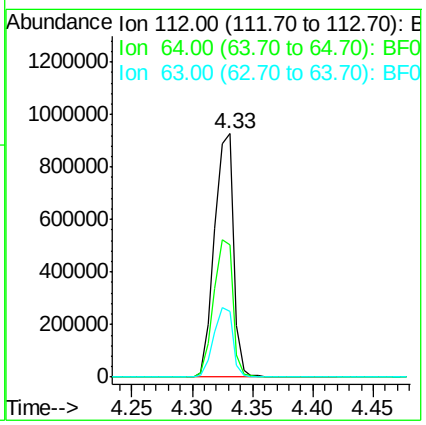


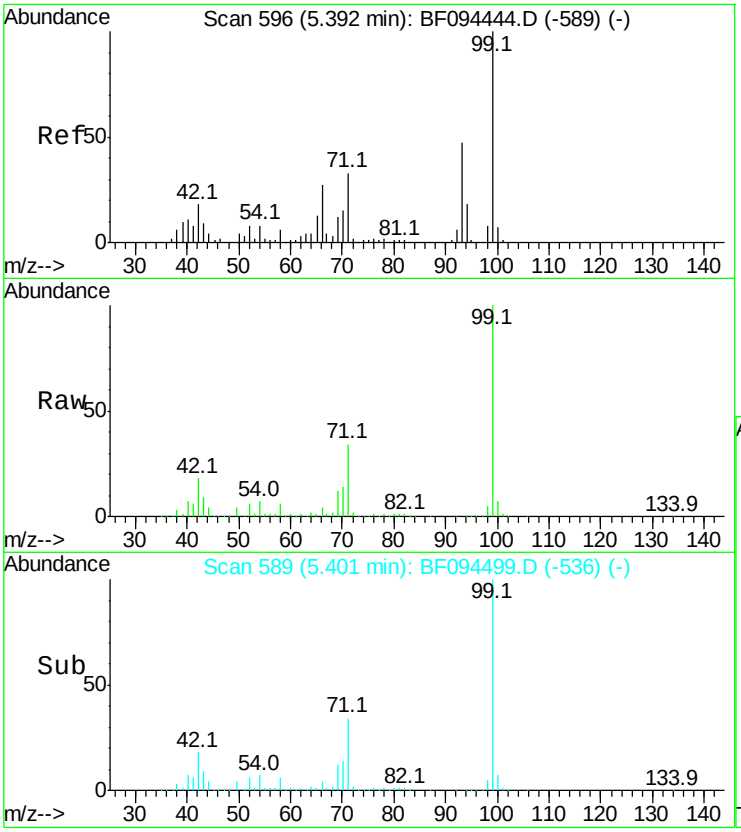


#5
2-Fluorophenol
Concen: 136.67 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:112 Resp: 1005978

Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	26.9	23.4	35.0



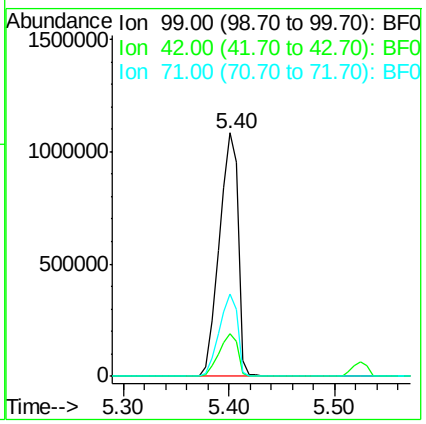


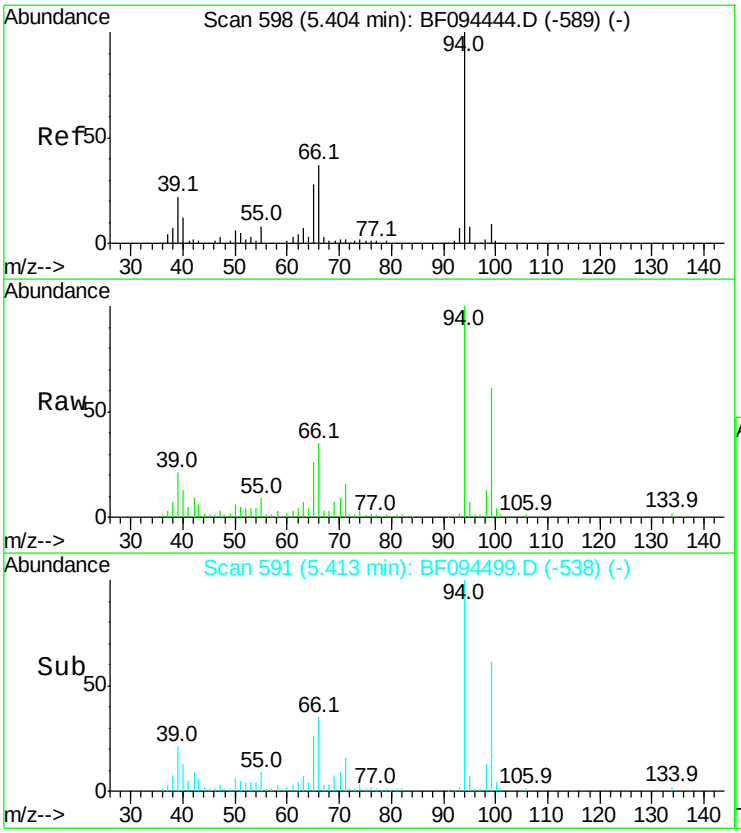
#7
Phenol-d6
Concen: 155.86 ng
RT: 5.40 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1352471

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	33.9	24.5	36.7

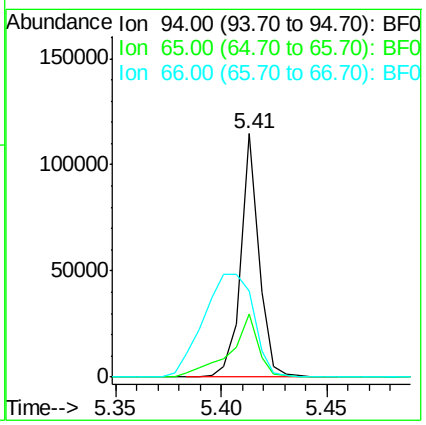


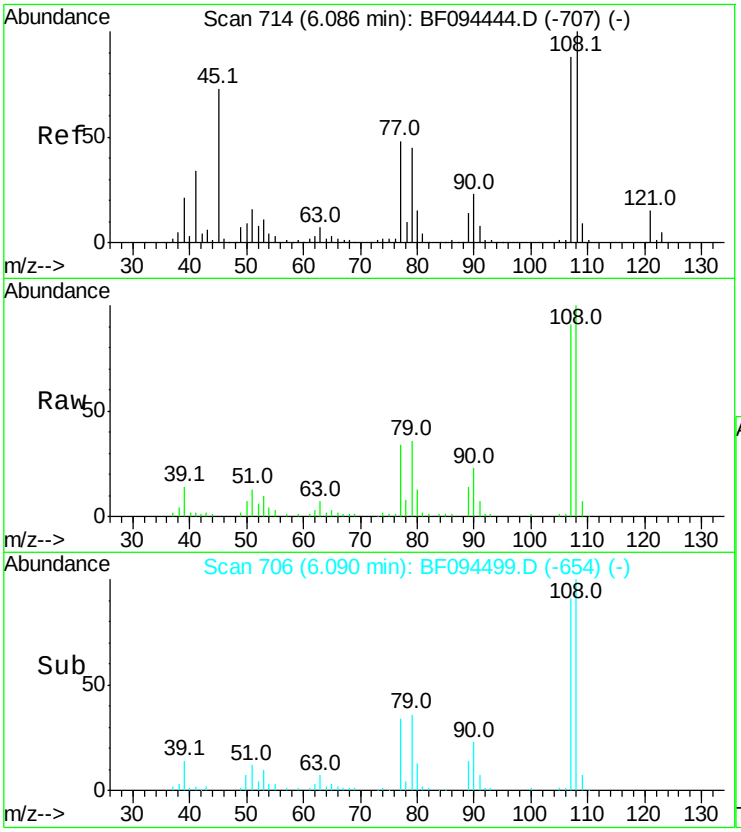


#10
Phenol
Concen: 6.37 ng
RT: 5.41 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion: 94 Resp: 67920

Ion	Ratio	Lower	Upper
94	100		
65	26.1	9.9	49.9
66	35.2	23.1	63.1



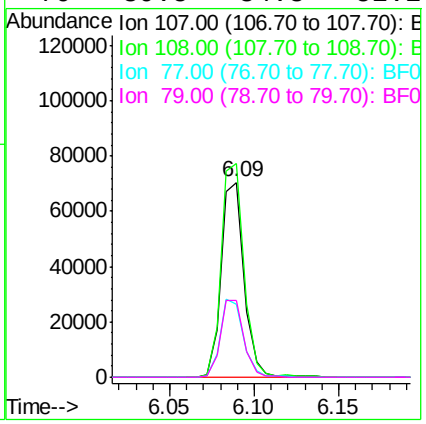


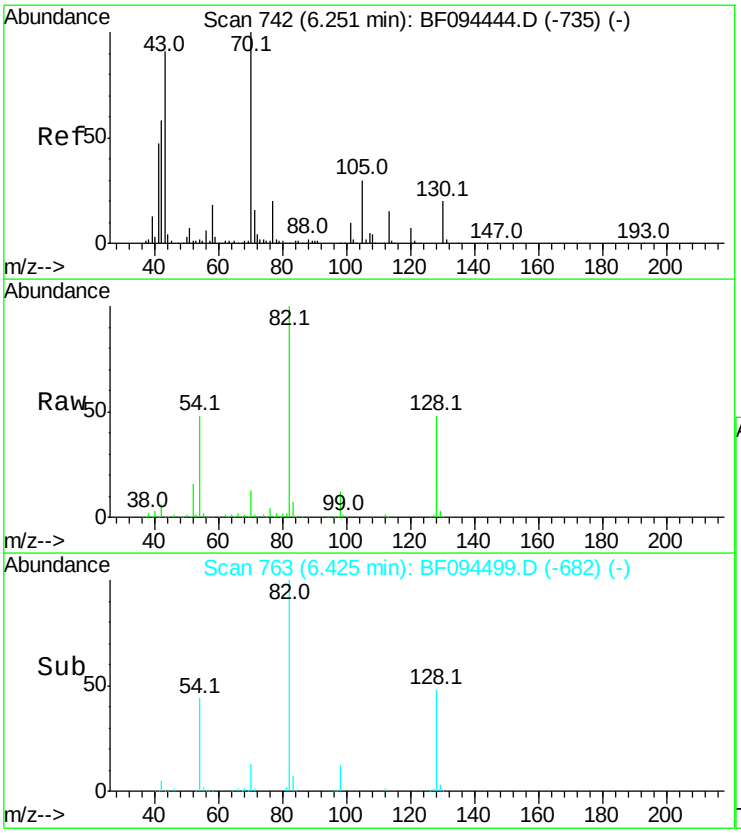
#17
2-Methylphenol
Concen: 10.09 ng
RT: 6.09 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:107 Resp: 66530

Ion	Ratio	Lower	Upper
107	100		
108	109.5	93.4	140.0
77	37.6	35.8	53.6
79	39.5	34.8	52.2

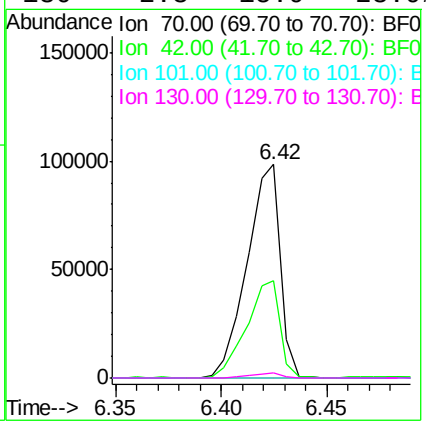


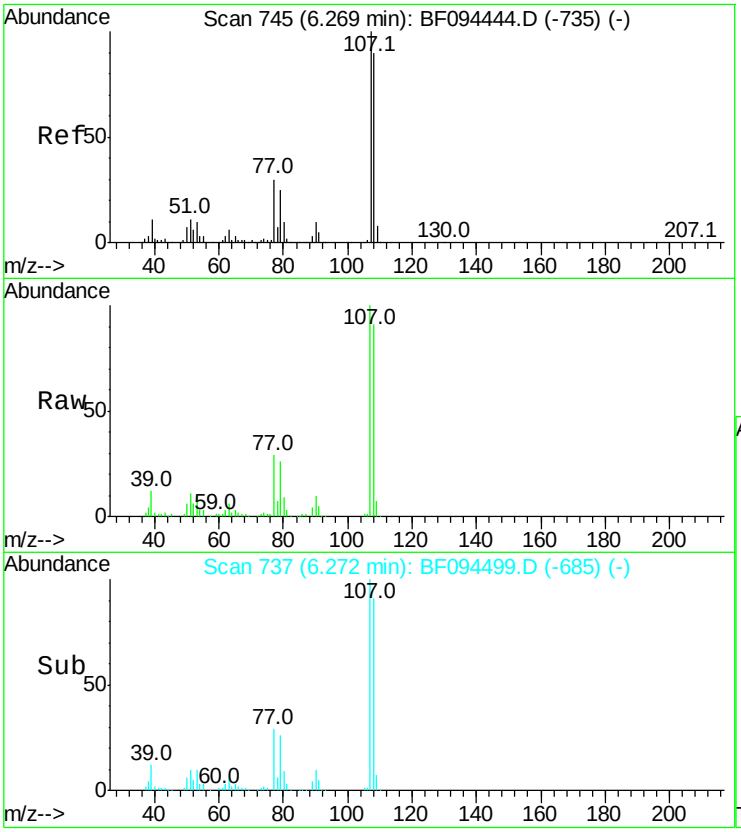


#19
n-Nitroso-di-n-propylamine
Concen: 18.68 ng
RT: 6.42 min Scan# 763
Delta R.T. 0.17 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion: 70 Resp: 107381

Ion	Ratio	Lower	Upper
70	100		
42	45.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.3	15.9	23.9#



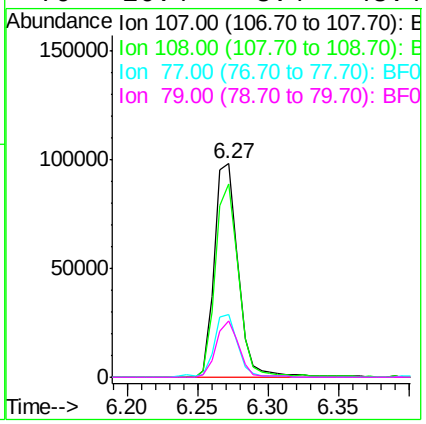


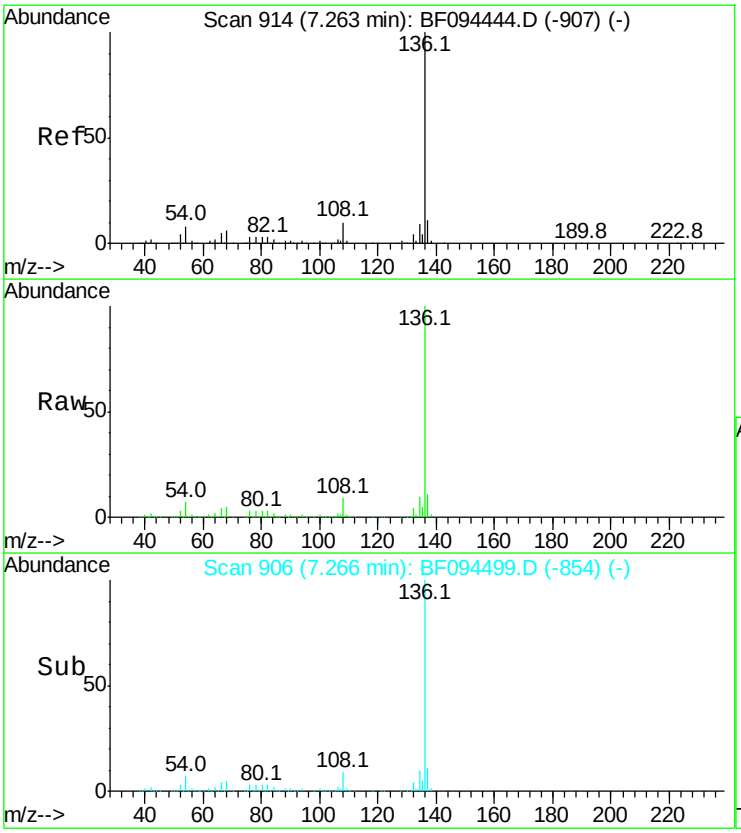
#20
3+4-Methylphenols
Concen: 12.89 ng
RT: 6.27 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:107 Resp: 115530

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.0	111.0
77	29.1	90.5	130.5#
79	26.4	8.4	48.4

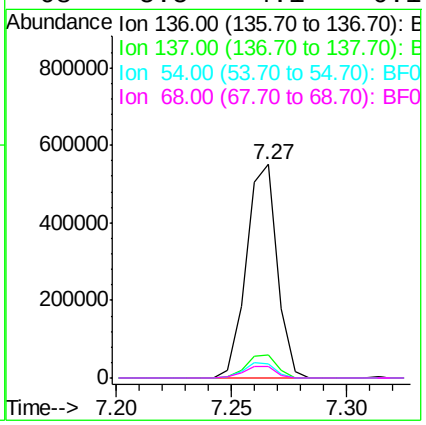


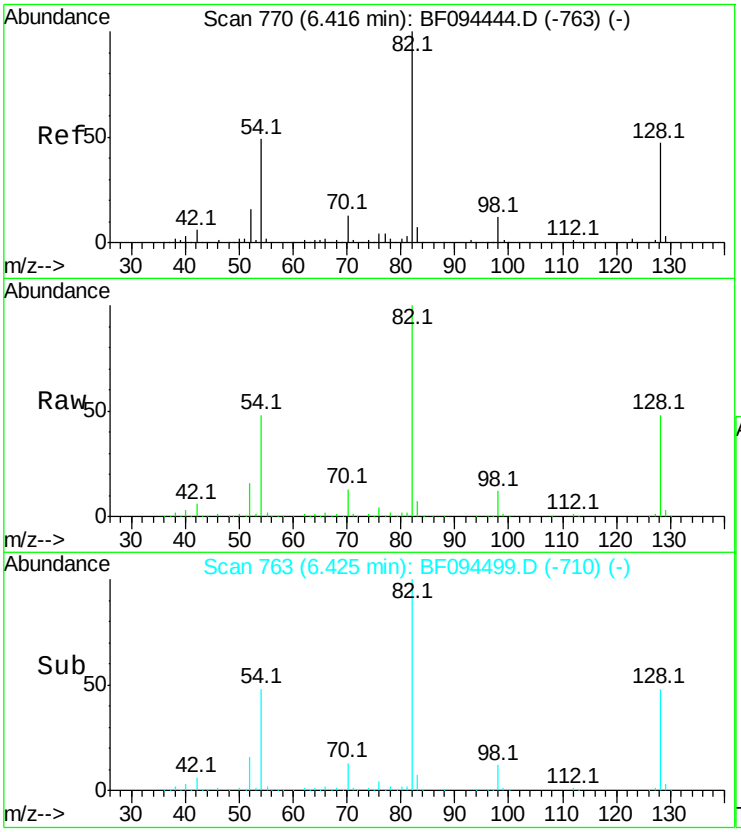


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:136 Resp: 515090

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.6	4.9	7.3
68	5.5	4.1	6.1



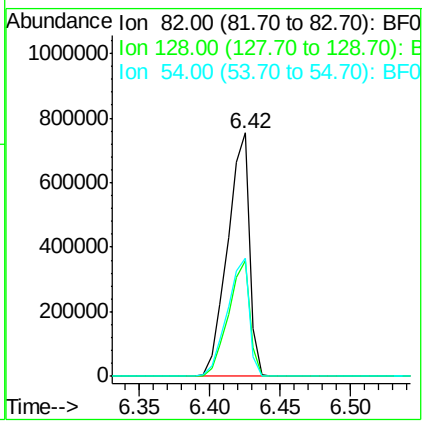


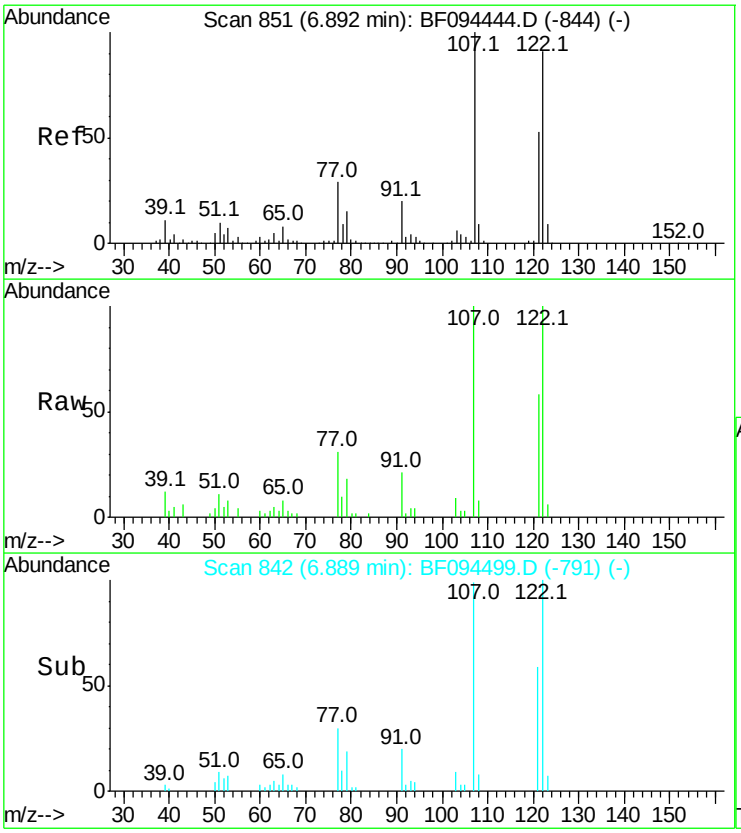
#23
Nitrobenzene-d5
Concen: 97.19 ng
RT: 6.42 min Scan# 763
Delta R.T. 0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 810725

Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	48.4	42.2	63.2

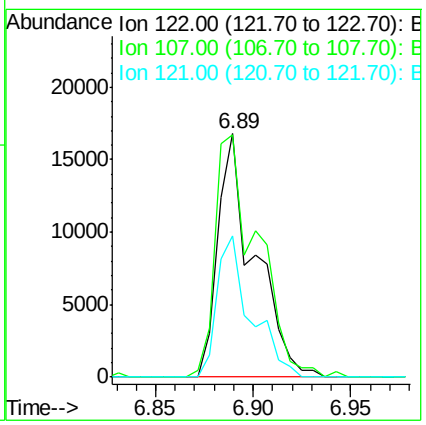


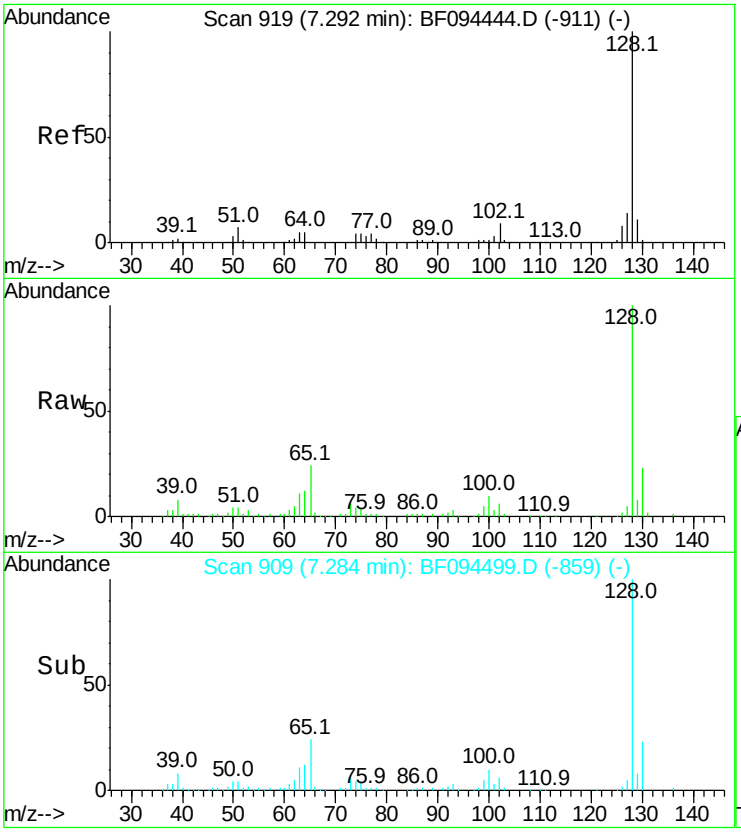


#27
2,4-Dimethylphenol
Concen: 2.85 ng
RT: 6.89 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:122 Resp: 21840

Ion	Ratio	Lower	Upper
122	100		
107	99.7	89.2	133.8
121	58.1	45.2	67.8



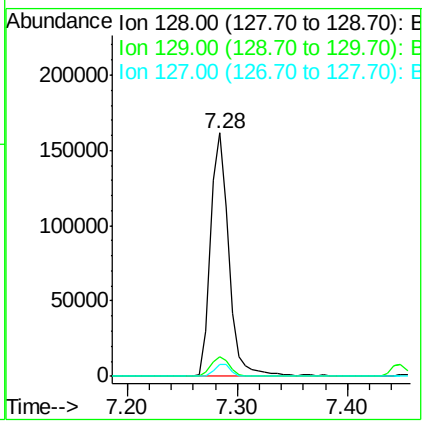


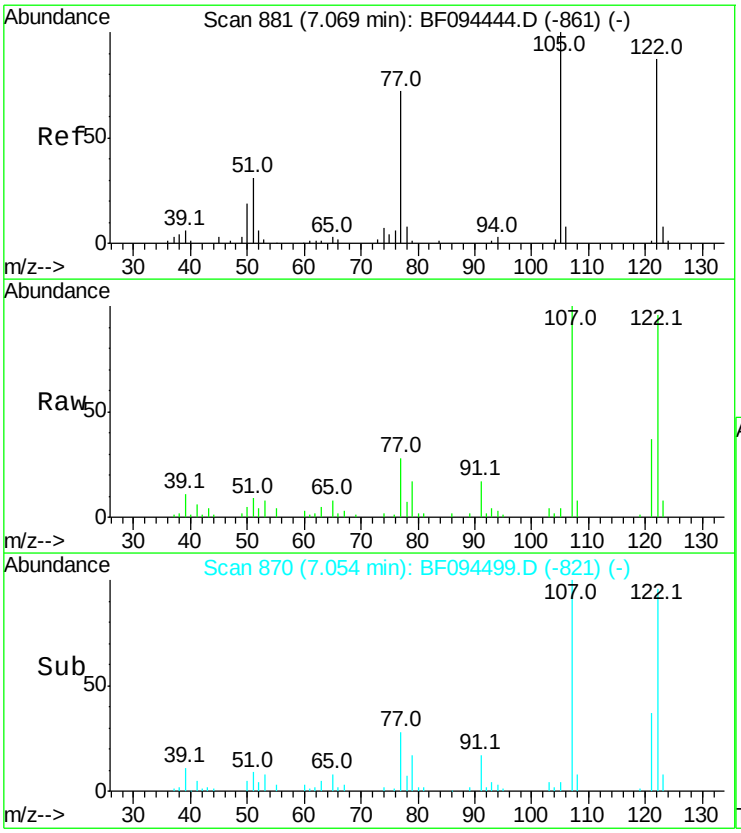
#31
Naphthalene
Concen: 7.38 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 182700

Ion	Ratio	Lower	Upper
128	100		
129	8.2	9.0	13.6#
127	4.7	10.8	16.2#

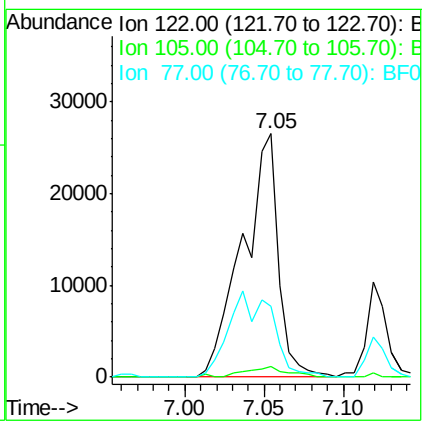


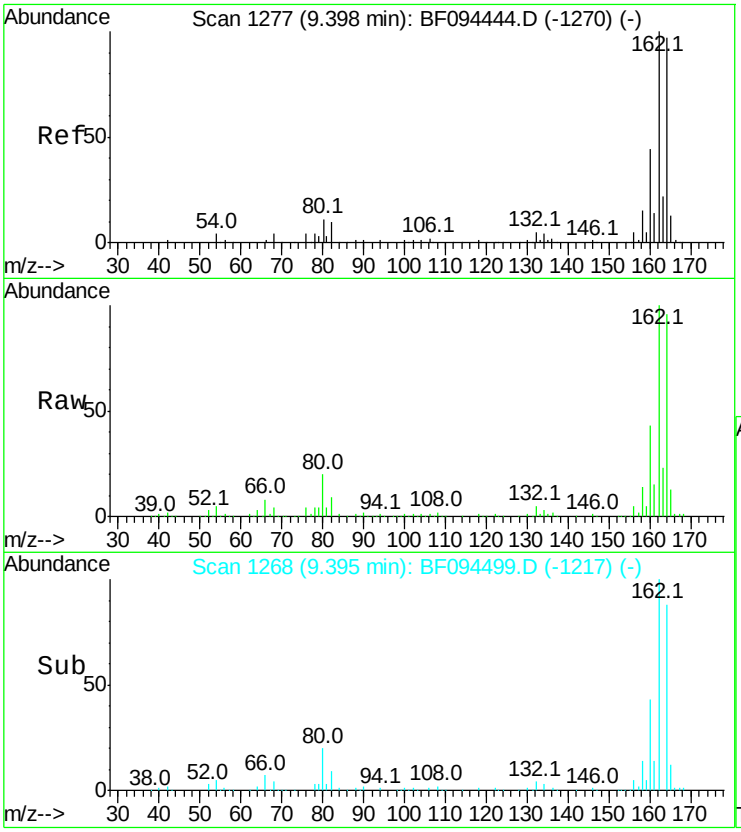


#32
Benzoic acid
Concen: 10.28 ng
RT: 7.05 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:122 Resp: 41673

Ion	Ratio	Lower	Upper
122	100		
105	4.5	103.3	143.3#
77	29.0	73.7	113.7#



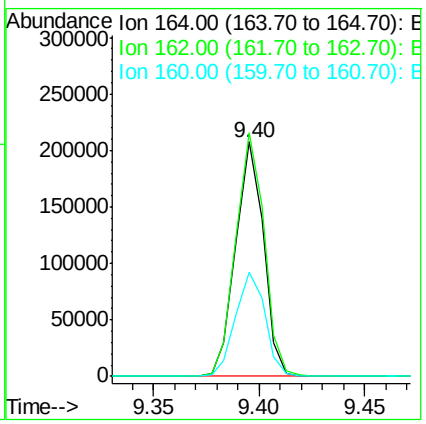


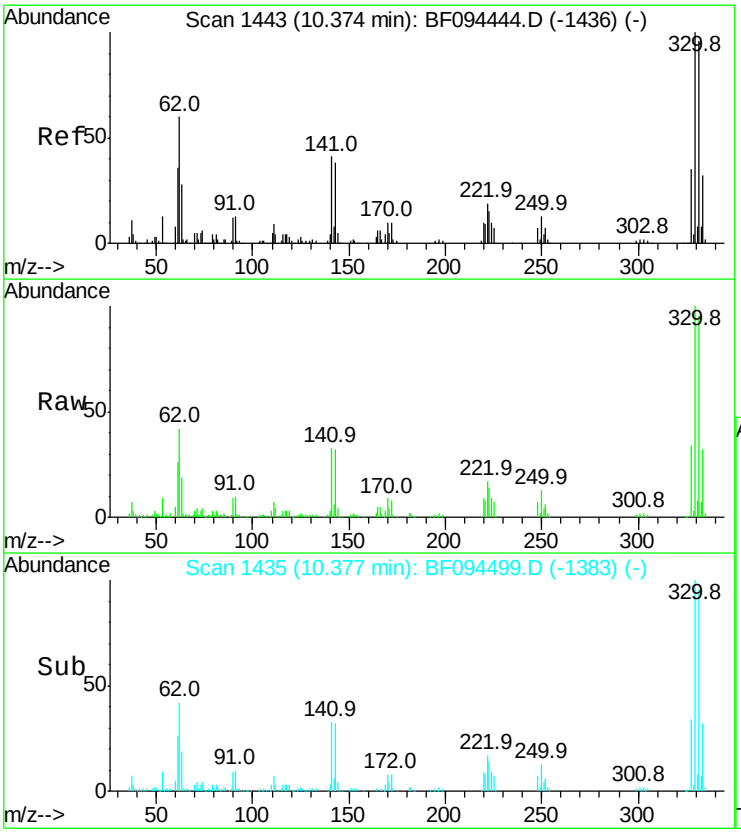
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 189241

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	44.5	36.2	54.2

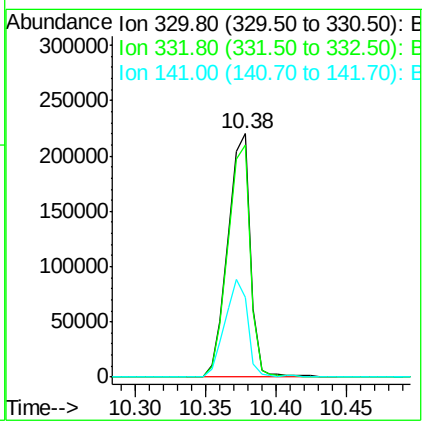


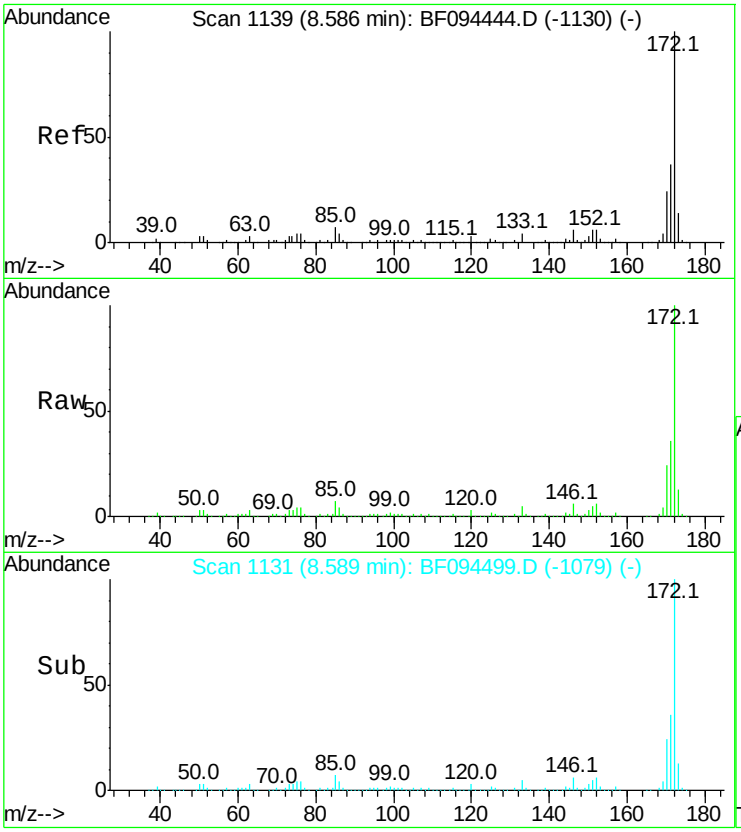


#41
2,4,6-Tribromophenol
Concen: 166.12 ng
RT: 10.38 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:330 Resp: 245899

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	40.9	31.4	47.2



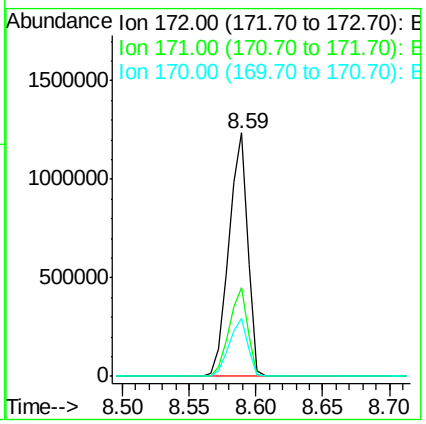


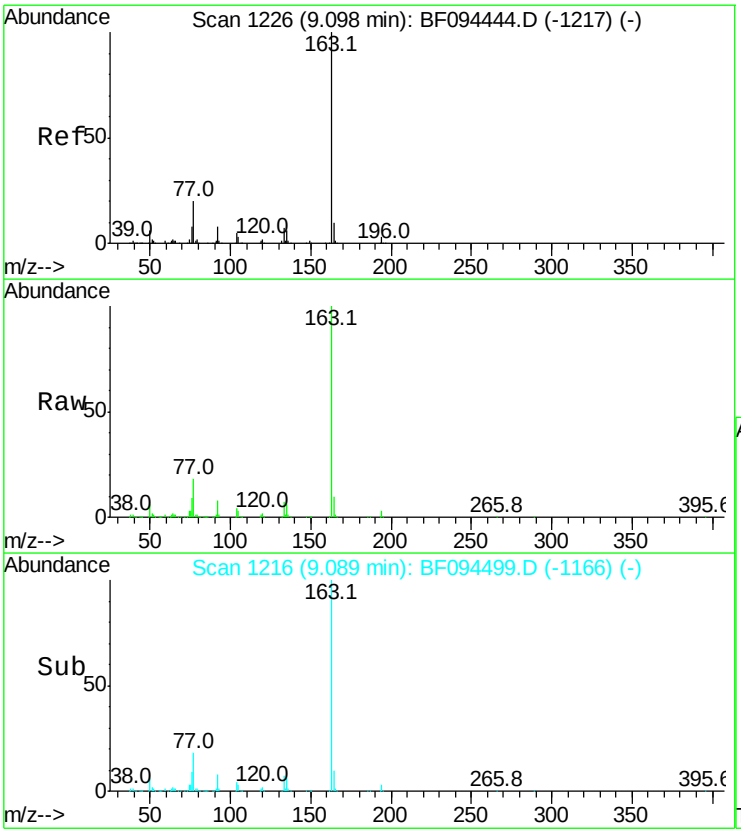
#44
2-Fluorobiphenyl
Concen: 95.83 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1232529

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.0	19.8	29.8

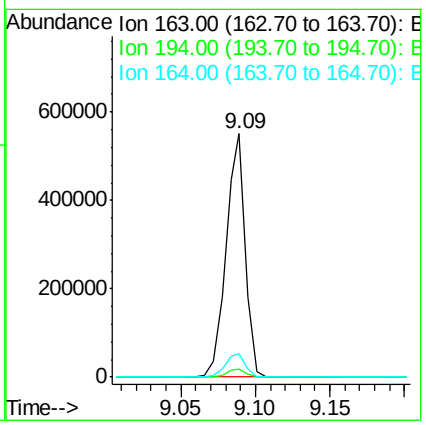


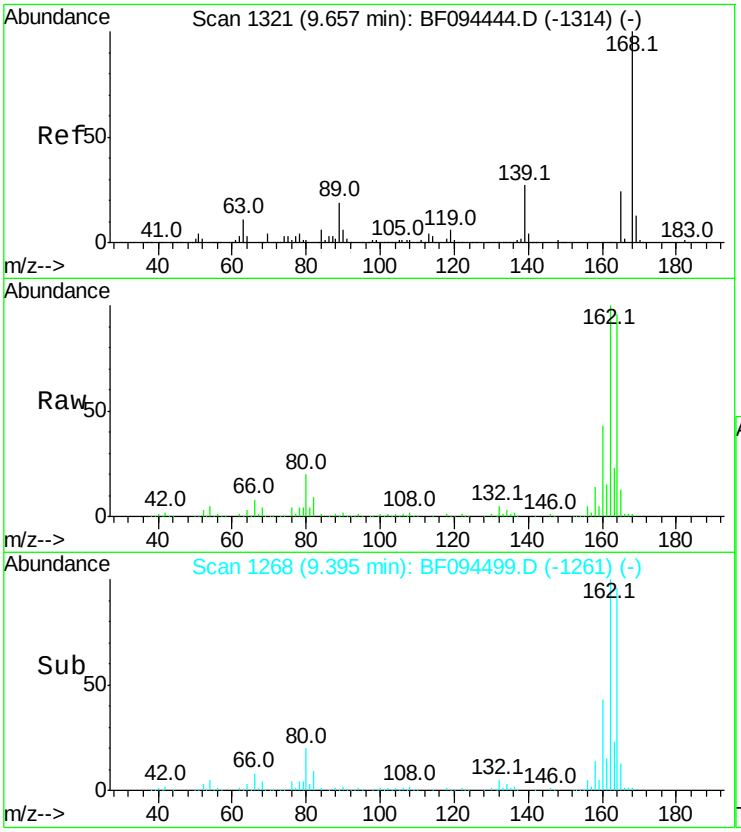


#49
Dimethylphthalate
Concen: 35.46 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:163 Resp: 500141

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.8	8.4	12.6



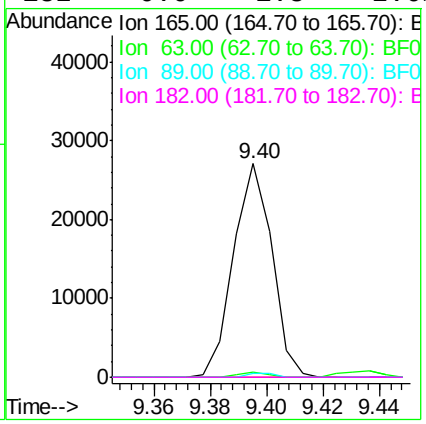


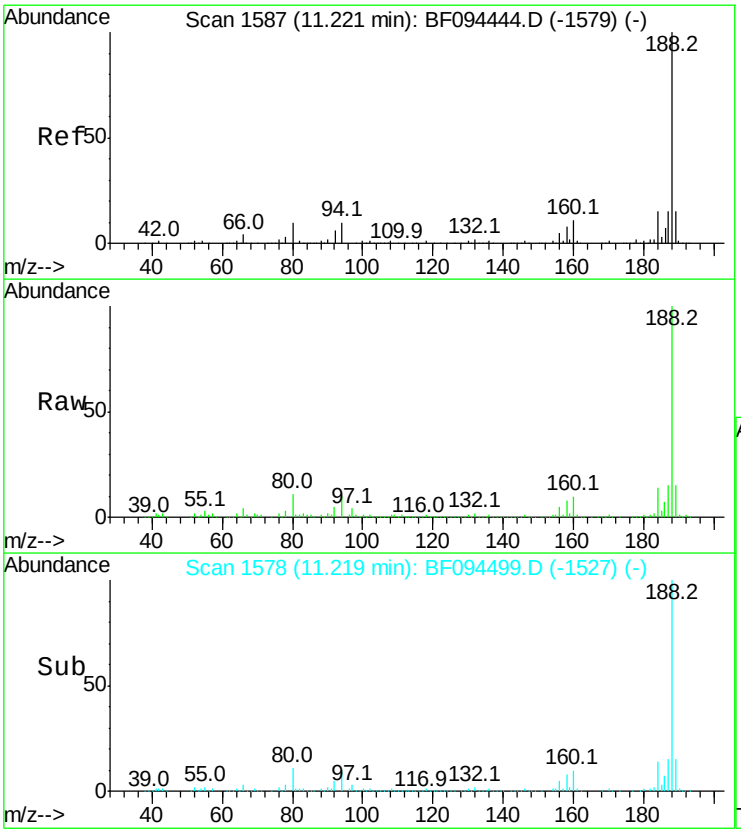
#56
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.26 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 25536

Ion	Ratio	Lower	Upper
165	100		
63	2.4	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

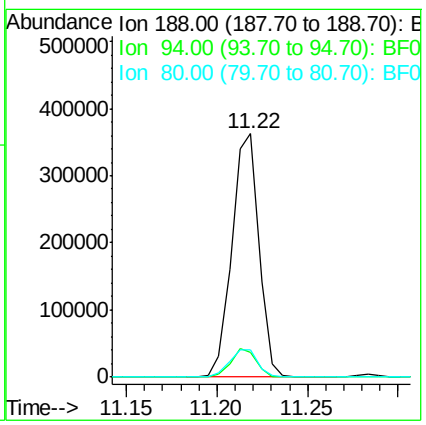


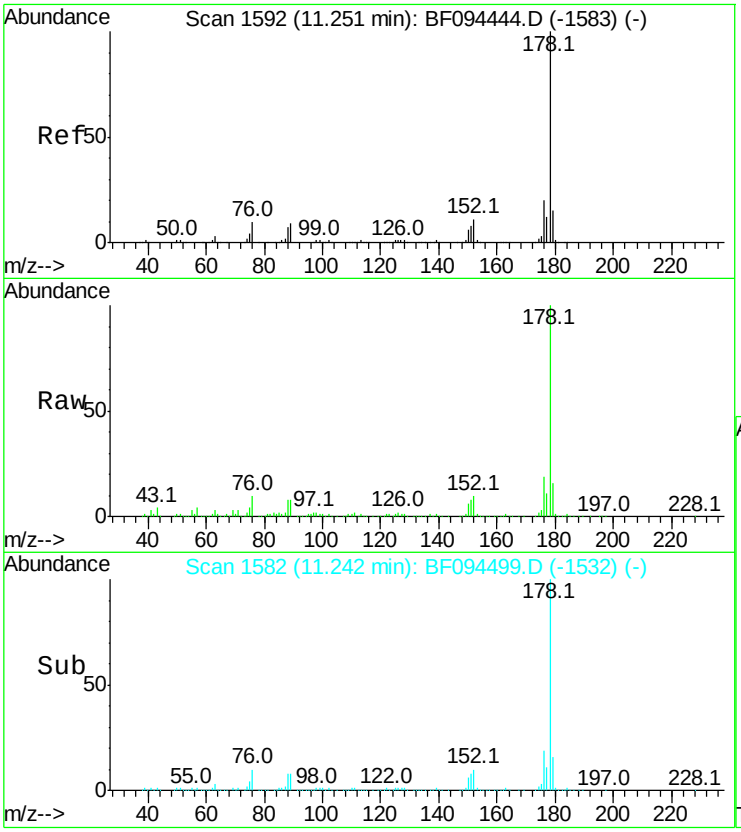


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:188 Resp: 375678

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	11.2	10.2	15.2



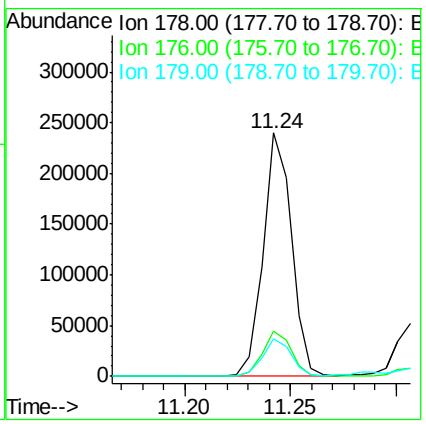


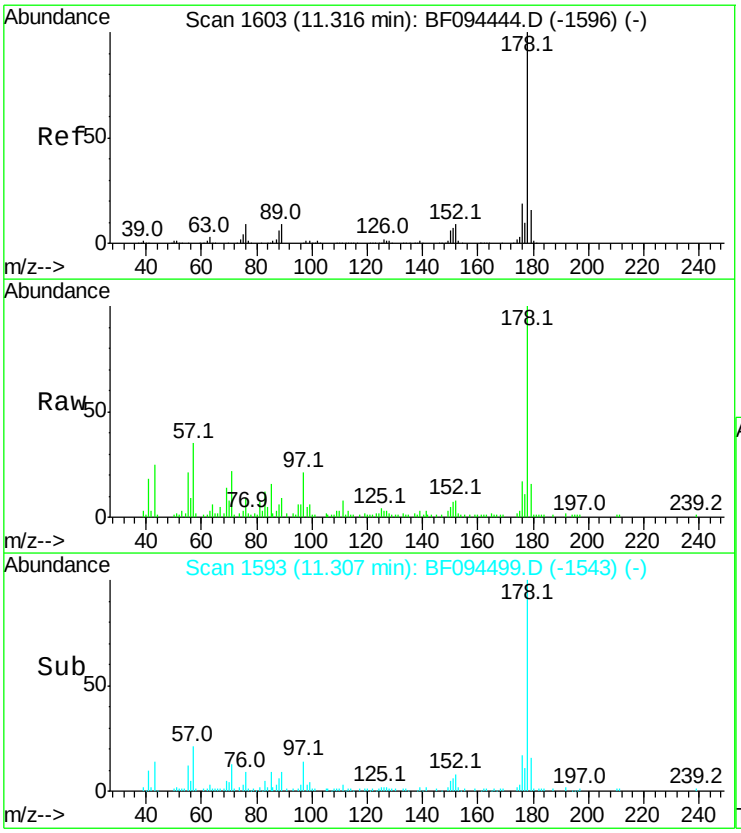
#70
Phenanthrene
Concen: 10.58 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 223842

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.6	12.6	19.0

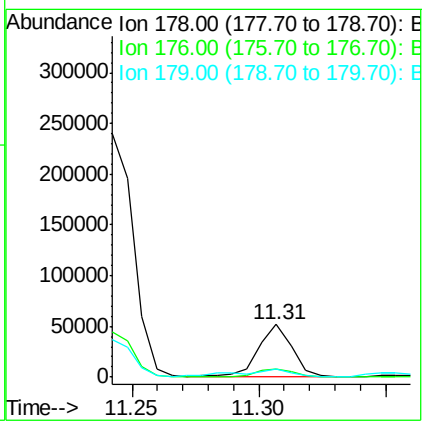


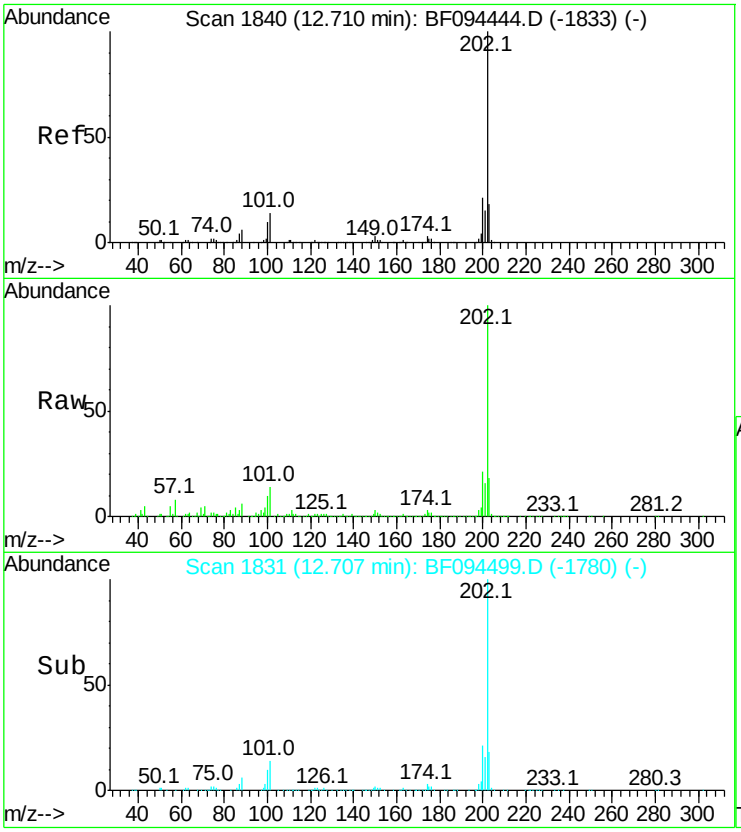


#71
Anthracene
Concen: 2.17 ng
RT: 11.31 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:178 Resp: 47399

Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.8	23.8
179	15.7	12.7	19.1



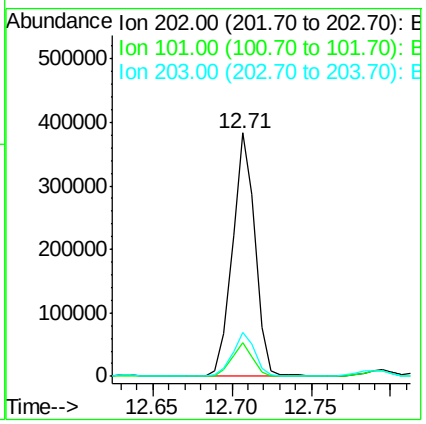


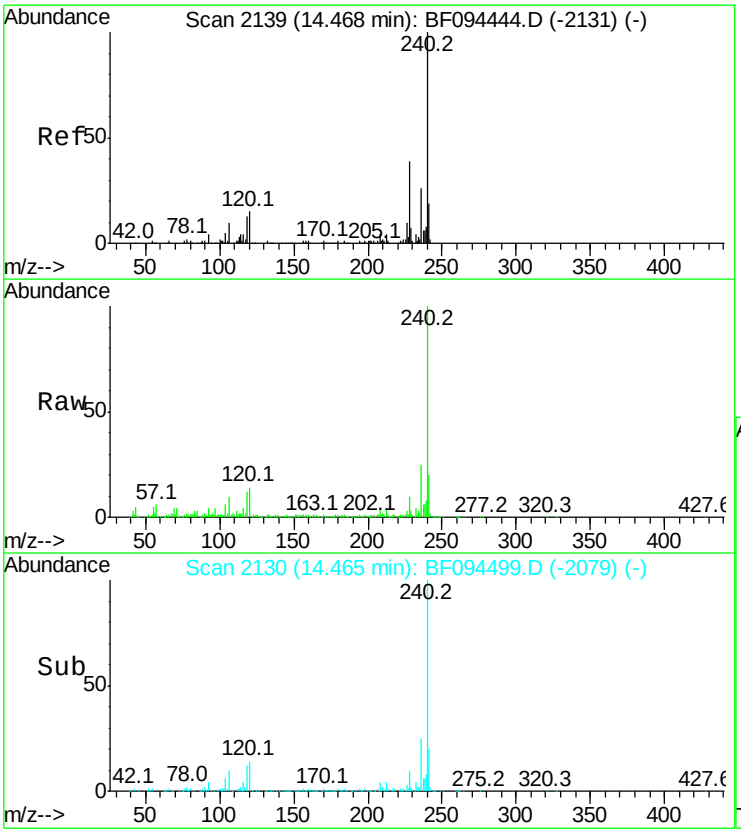
#74
Fluoranthene
Concen: 17.13 ng
RT: 12.71 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 375591

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.9	0.0	38.1

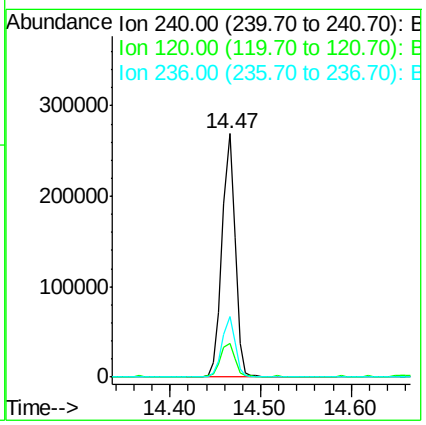


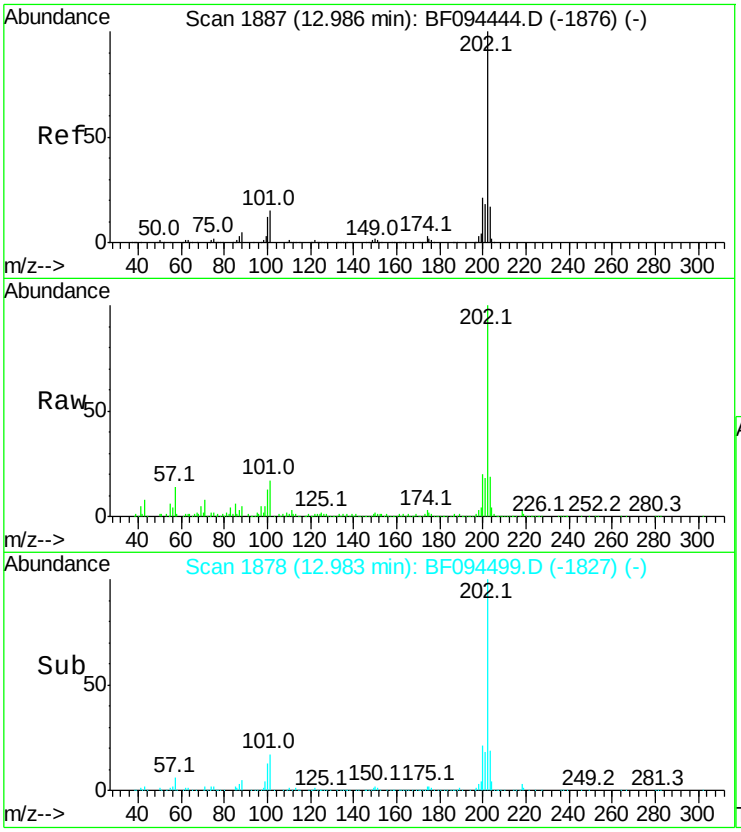


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:240 Resp: 267108

Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	25.1	20.5	30.7



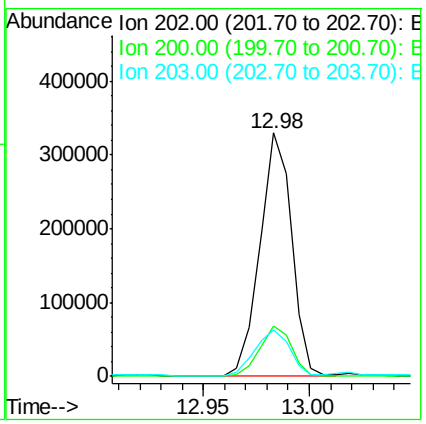


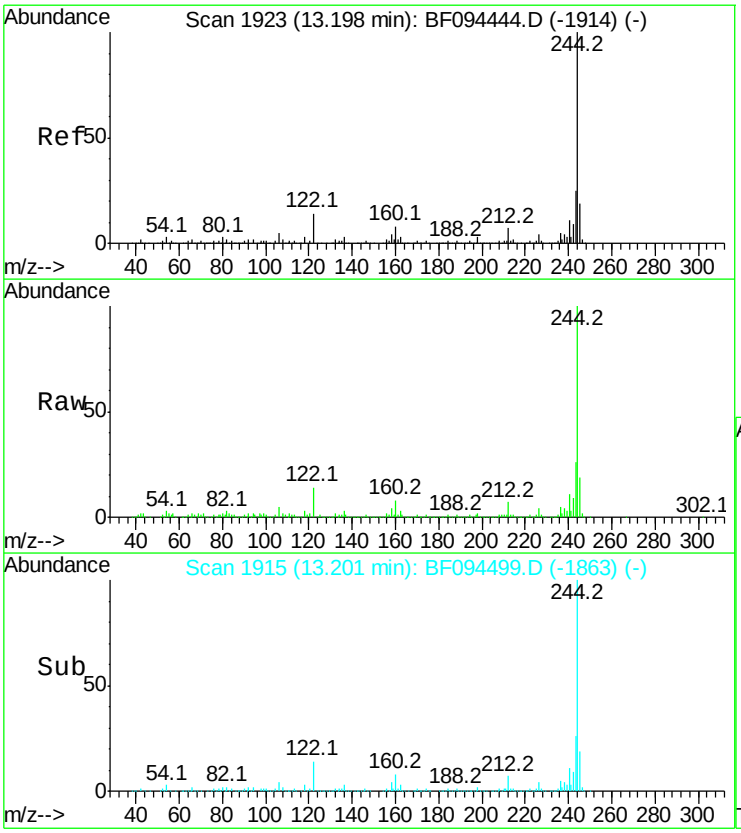
#77
Pyrene
Concen: 18.50 ng
RT: 12.98 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 345202

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.2	14.4	21.6

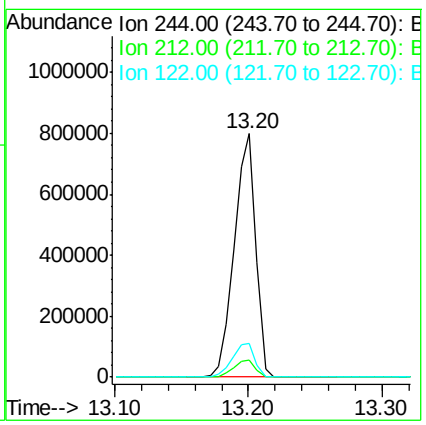


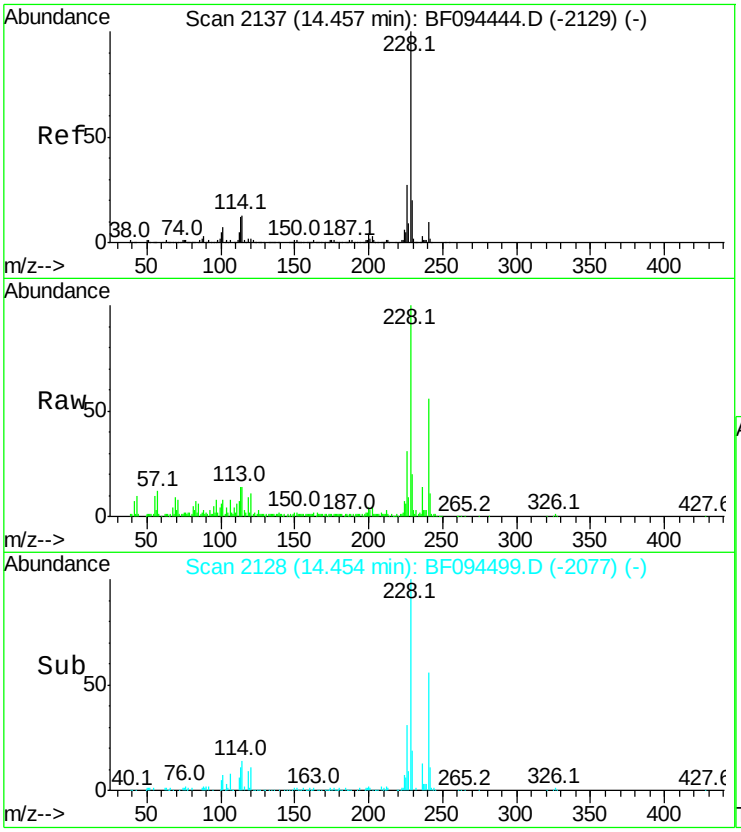


#78
Terphenyl-d14
Concen: 89.41 ng
RT: 13.20 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:244 Resp: 893475

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.6	10.3	15.5



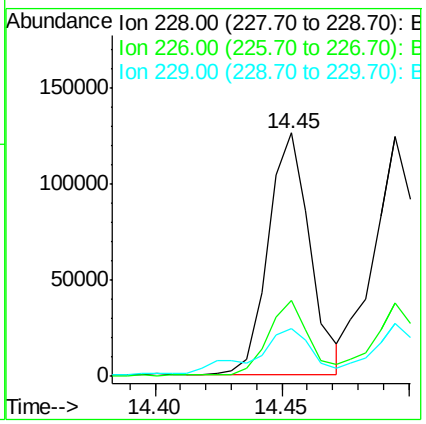


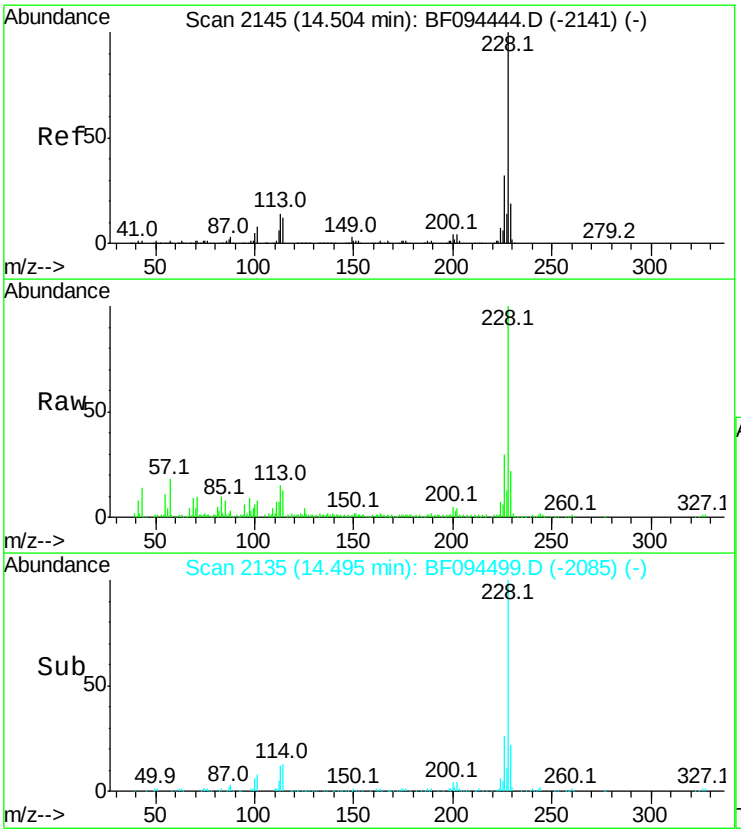
#80
Benzo(a)anthracene
Concen: 9.37 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 145405

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	19.5	16.3	24.5

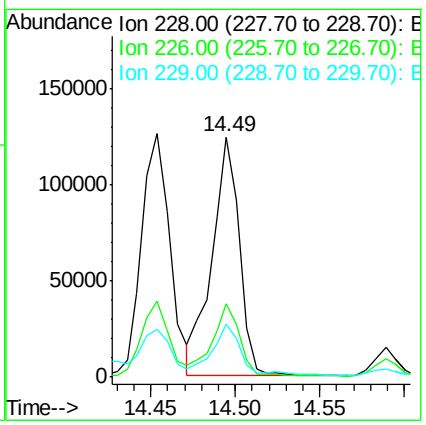


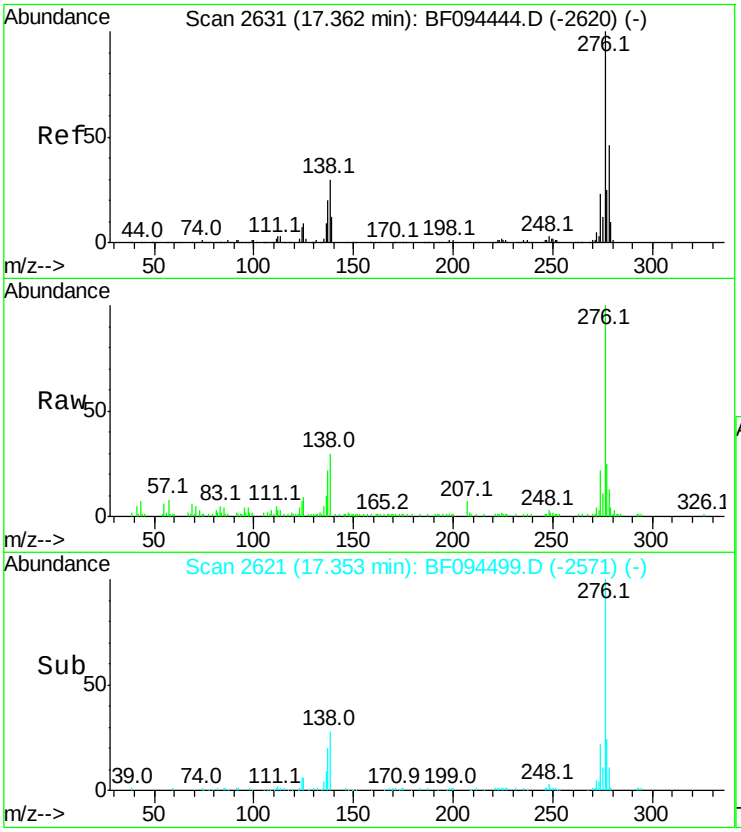


#82
Chrysene
Concen: 9.97 ng
RT: 14.49 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:228 Resp: 141393

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.2	15.8	23.6



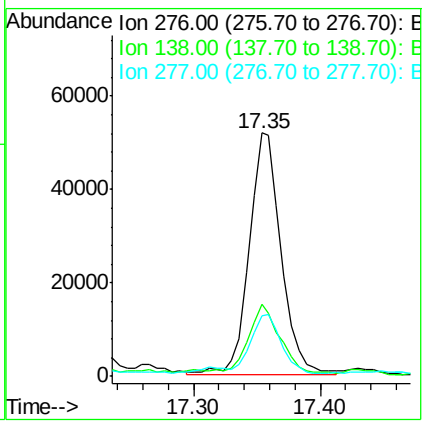


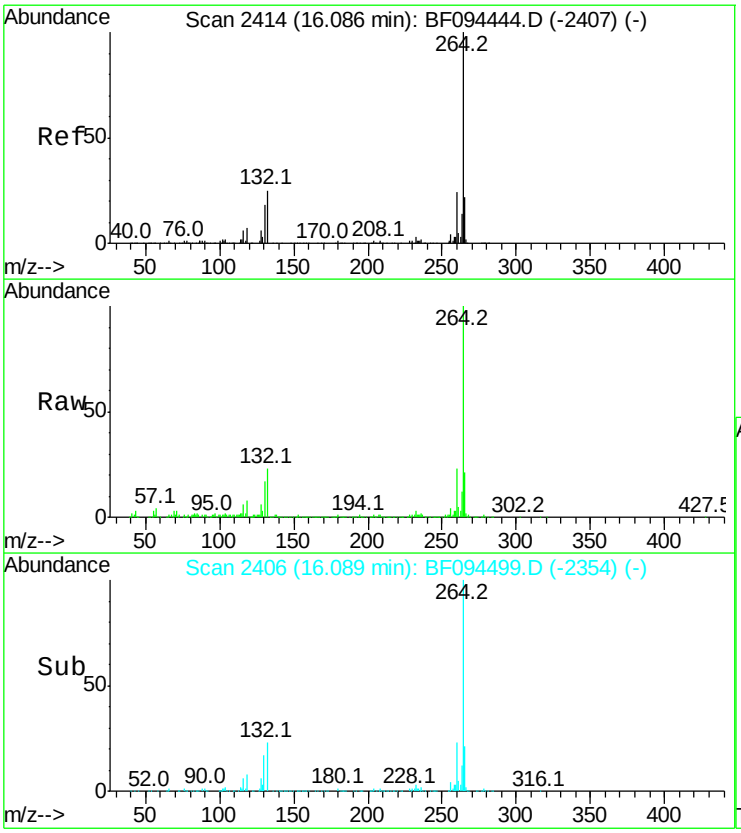
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.72 ng
RT: 17.35 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 90666

Ion	Ratio	Lower	Upper
276	100		
138	26.6	27.8	41.6#
277	26.1	20.2	30.4

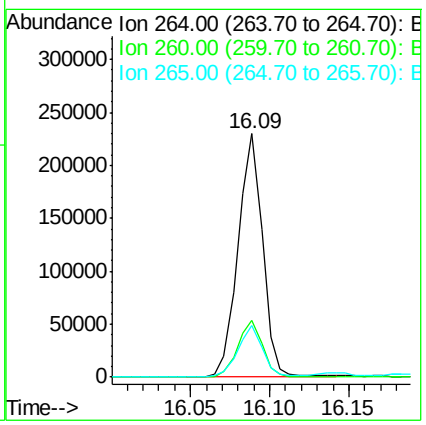


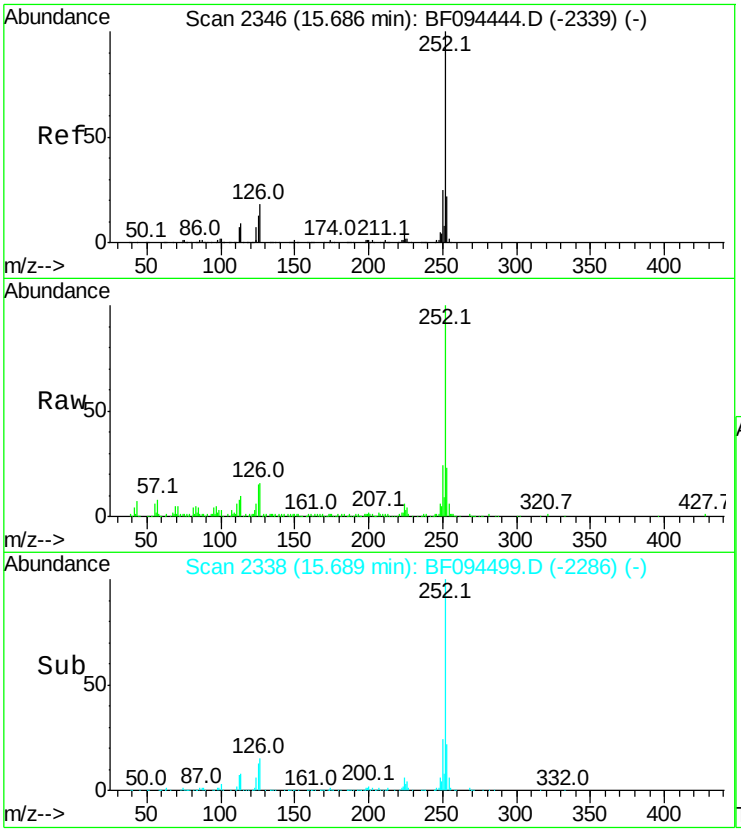


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:264 Resp: 247653

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.1	17.2	25.8



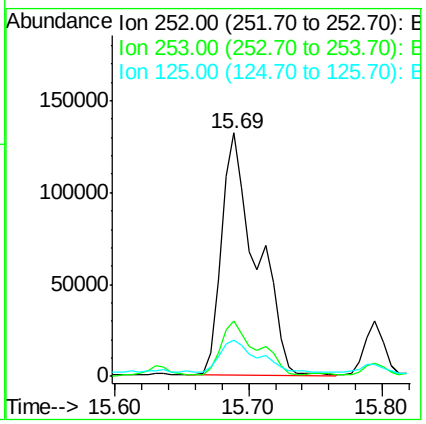


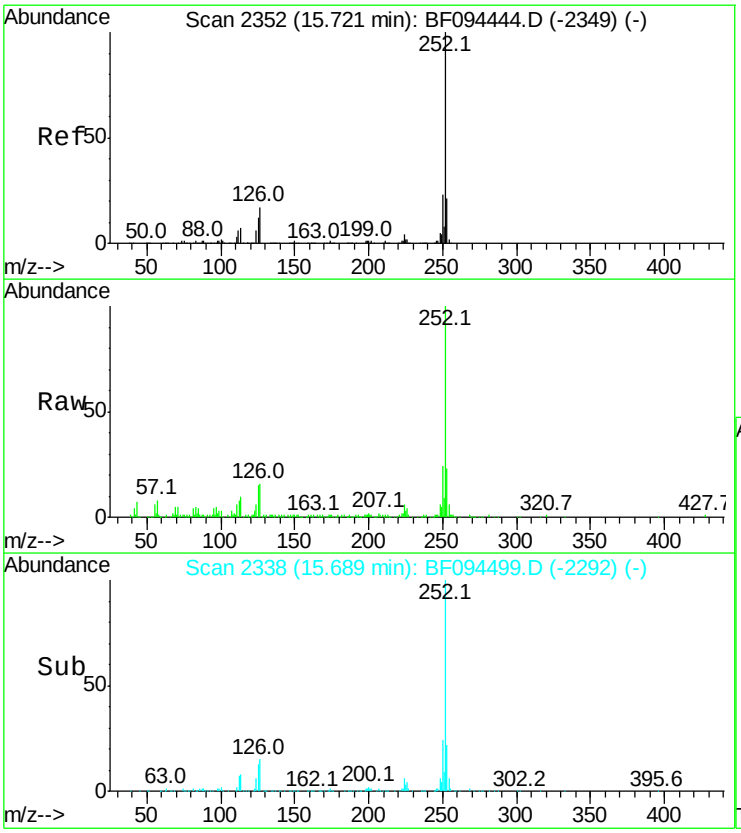
#87
Benzo(b)fluoranthene
Concen: 15.96 ng
RT: 15.69 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 241789

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.0	9.8	14.8#

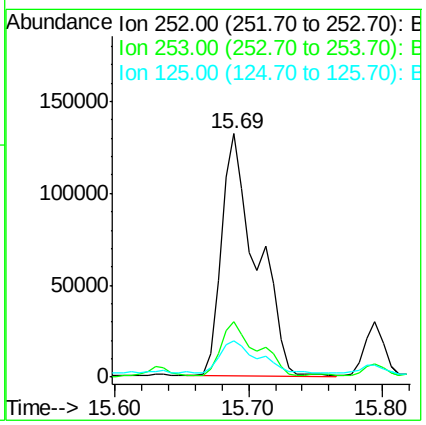


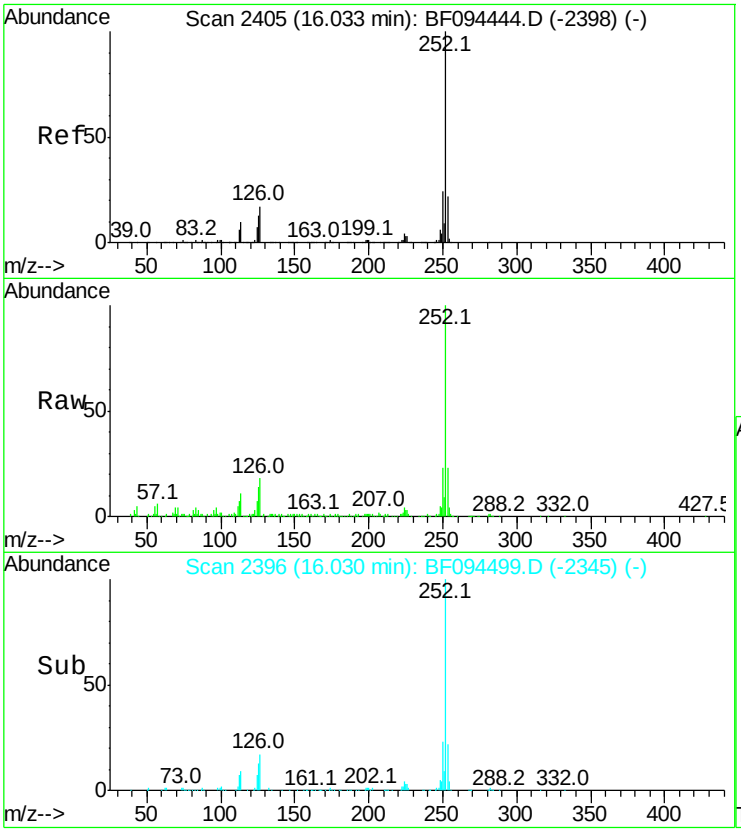


#88
Benzo(k)fluoranthene
Concen: 16.87 ng
RT: 15.69 min Scan# 2338
Delta R.T. -0.03 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:252 Resp: 241789

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	15.0	13.1	19.7



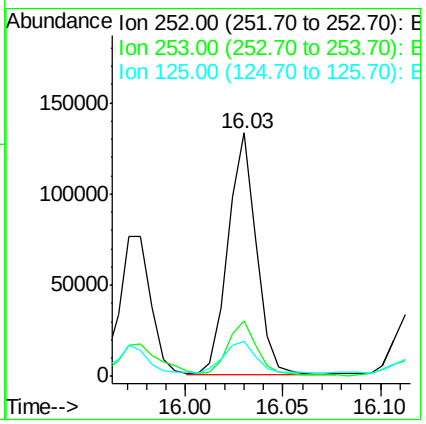


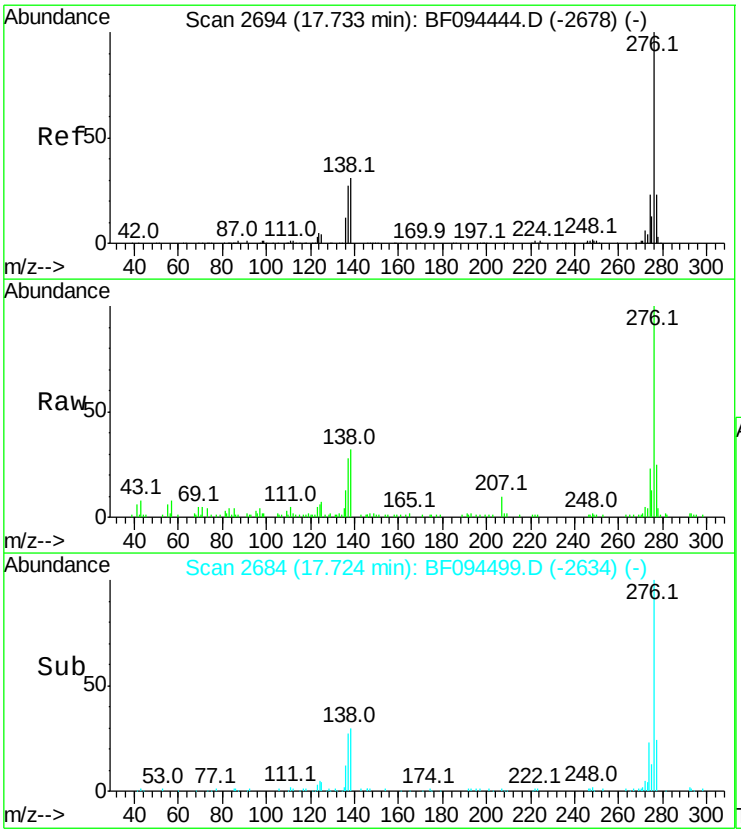
#89
Benzo(a)pyrene
Concen: 9.48 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 133544

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	14.4	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 7.42 ng
RT: 17.72 min Scan# 2684
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:276 Resp: 88464

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	32.1	25.4	38.0