Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094506.D
Acq On : 19 Apr 2017 00:23
Operator : SJ/MA
Sample : I2707-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 19 03:03:30 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	106936	20.00	ng		0.00
21) Naphthalene-d8	7.27	136	404542	20.00	ng		0.00
38) Acenaphthene-d10	9.40	164	140816	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	254022	20.00	ng		0.00
75) Chrysene-d12	14.47	240	239660	20.00	ng		0.00
86) Perylene-d12	16.10	264	181425	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.32	112	327966	50.88	ng		0.02
7) Phenol-d6	5.40	99	388850	51.17	ng		0.00
23) Nitrobenzene-d5	6.41	82	218187	33.30	ng		0.00
41) 2,4,6-Tribromophenol	10.37	330	57631	52.32	ng		0.00
44) 2-Fluorobiphenyl	8.58	172	401536	41.96	ng		0.00
78) Terphenyl-d14	13.19	244	295312	32.94	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	6.41	70	28200	5.60	ng	#	77
48) Acenaphthylene	9.22	152	47780	3.35	ng		98
49) Dimethylphthalate	9.09	163	92121	8.78	ng		98
56) 2,4-Dinitrotoluene	9.40	165	18479	6.39	ng	#	32
70) Phenanthrene	11.25	178	80801	5.65	ng		97
71) Anthracene	11.31	178	38421	2.60	ng		97
74) Fluoranthene	12.71	202	354883	23.94	ng		98
77) Pyrene	12.99	202	358941	21.44	ng		99
80) Benzo(a)anthracene	14.46	228	195147	14.01	ng		98
82) Chrysene	14.50	228	193933	15.23	ng		97
85) Indeno(1,2,3-cd)pyrene	17.38	276	112797	9.31	ng		96
87) Benzo(b)fluoranthene	15.70	252	361445	32.57	ng	#	96
88) Benzo(k)fluoranthene	15.70	252	361445	34.41	ng		100
89) Benzo(a)pyrene	16.04	252	181833	17.61	ng		96
90) Dibenzo(a,h)anthracene	17.39	278	31572	3.68	ng	#	79
91) Benzo(g,h,i)perylene	17.76	276	140451	16.09	ng		95

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

Quantitation Report (Not Reviewed)

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Acq On : 19 Apr 2017 00:23
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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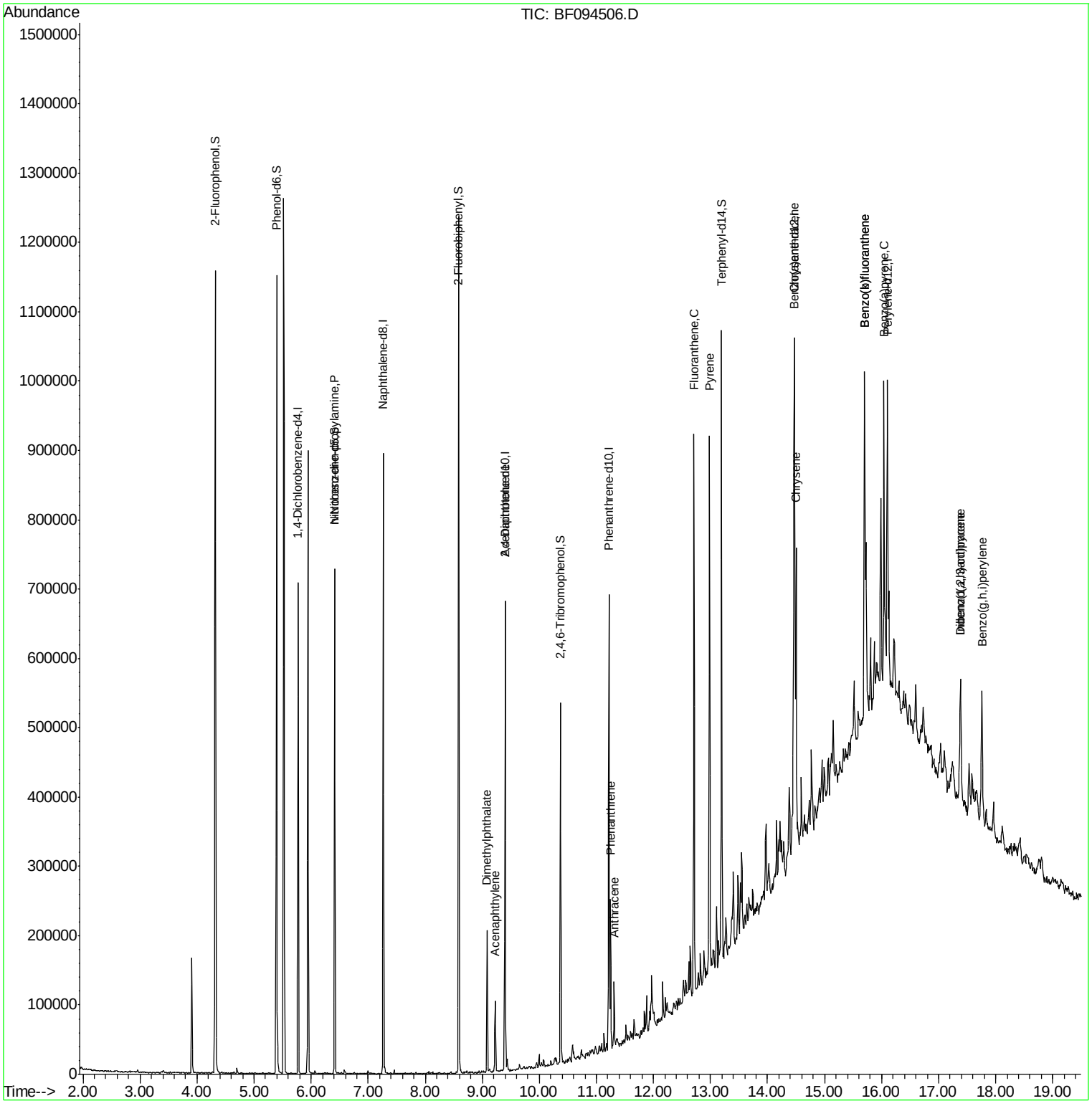
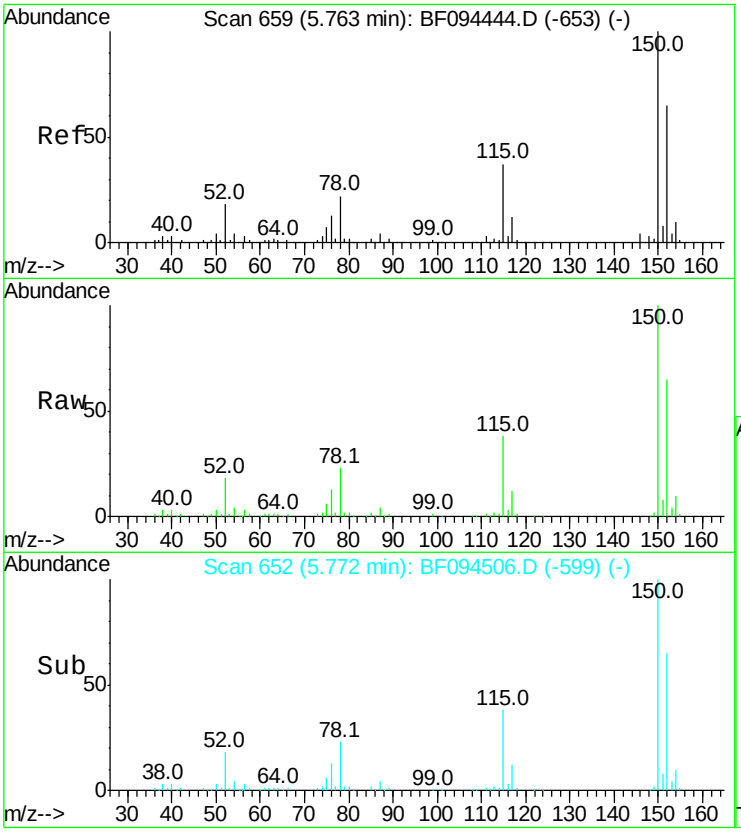
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration



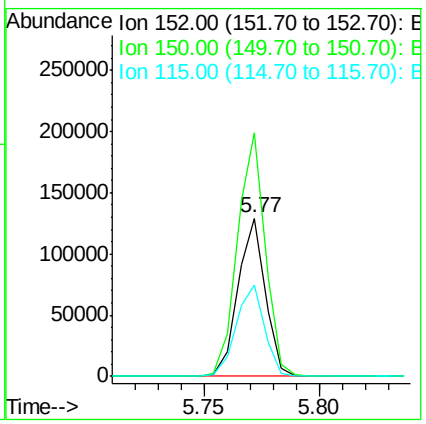


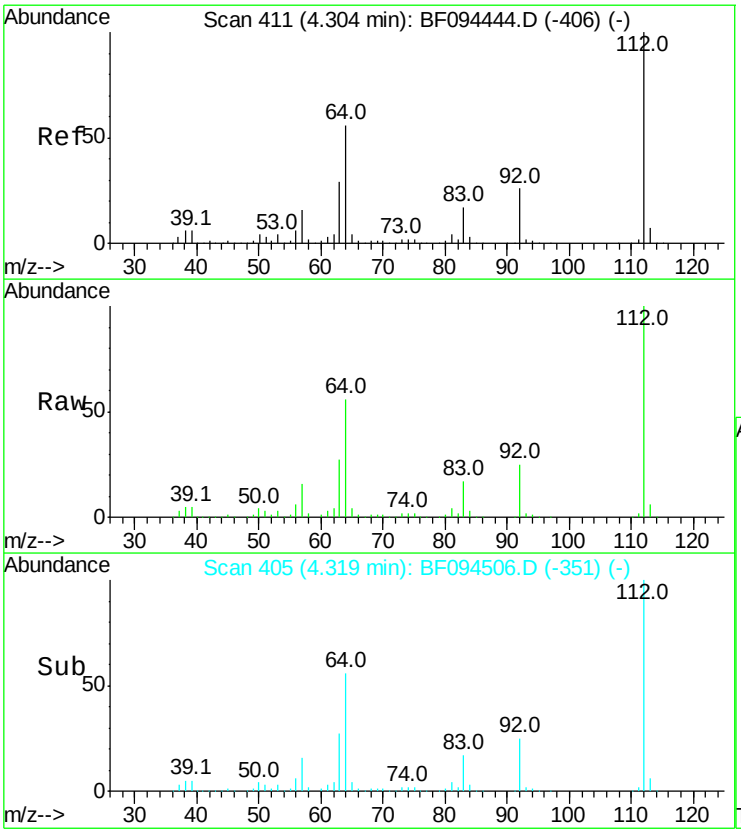
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 106936

Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	58.1	52.2	78.2

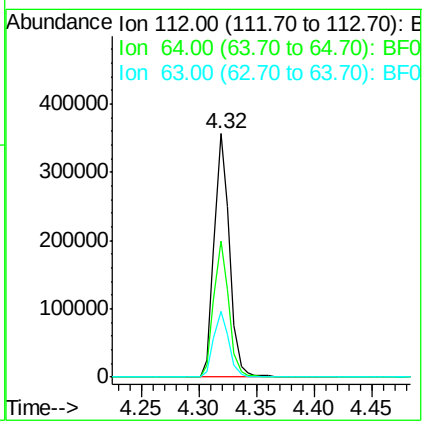


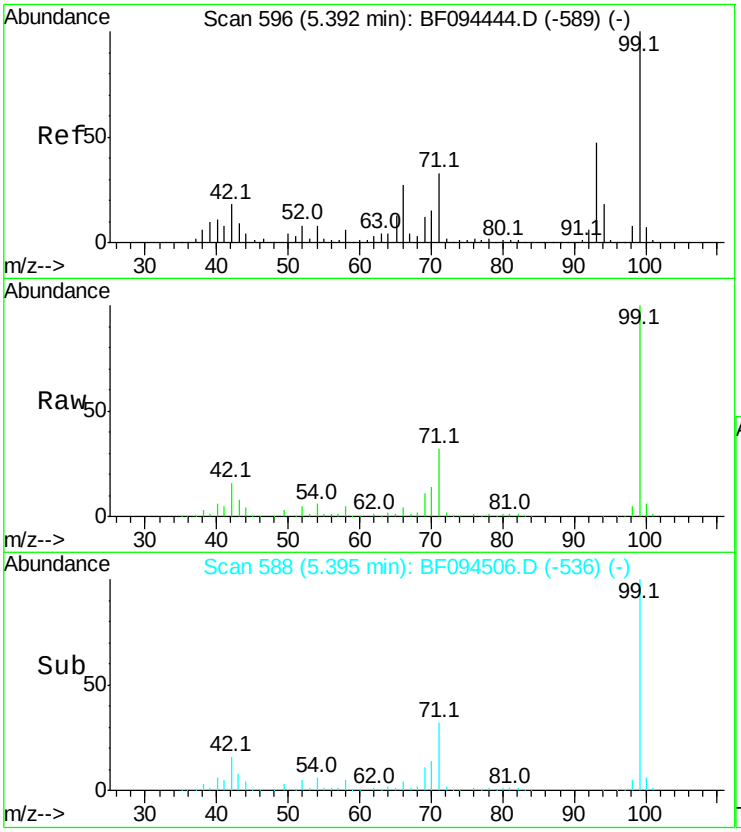


#5
2-Fluorophenol
Concen: 50.88 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:112 Resp: 327966

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	26.7	23.4	35.0



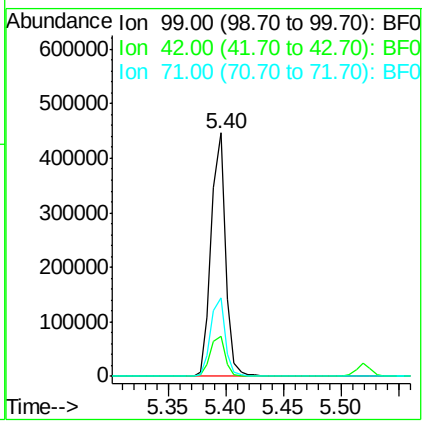


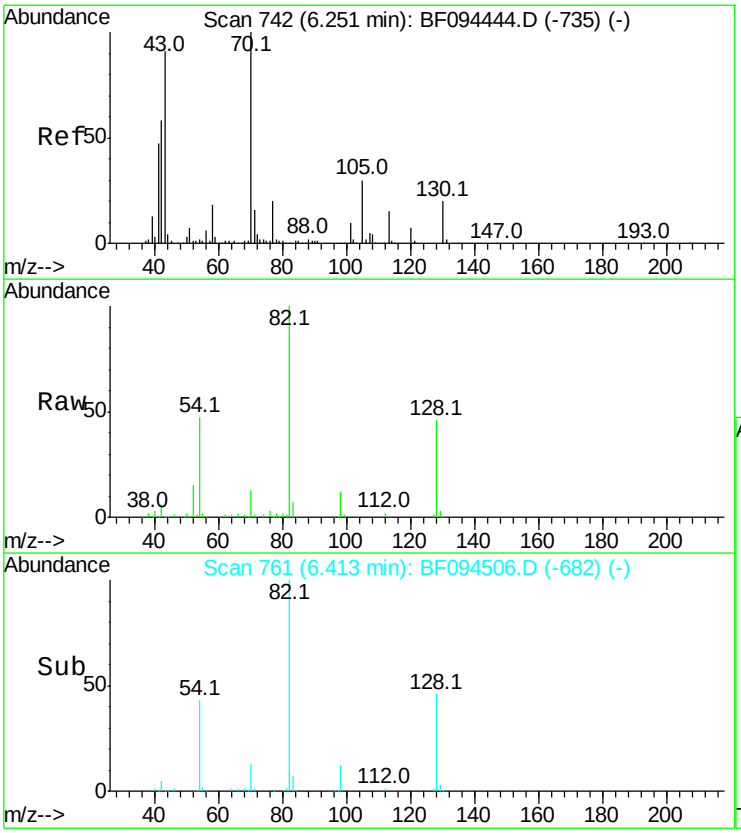
#7
Phenol-d6
Concen: 51.17 ng
RT: 5.40 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 388850

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	32.0	24.5	36.7

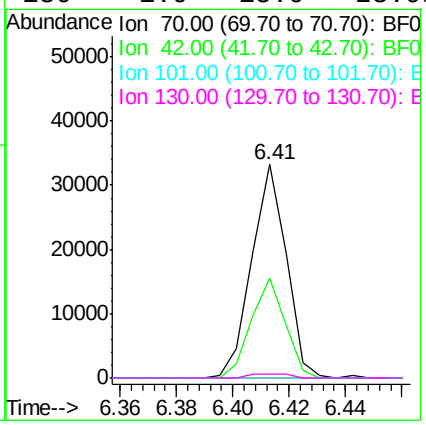


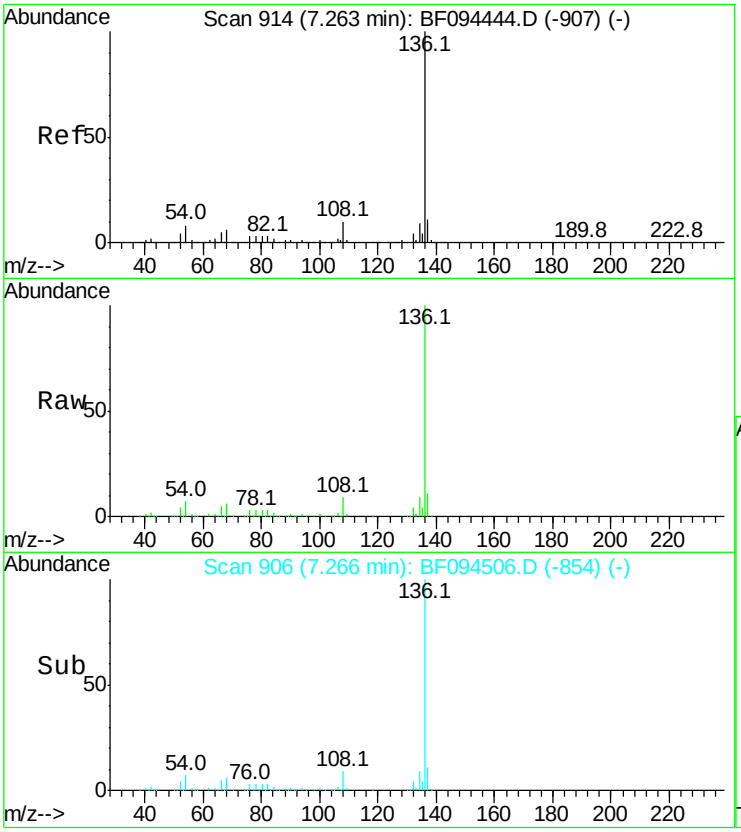


#19
n-Nitroso-di-n-propylamine
Concen: 5.60 ng
RT: 6.41 min Scan# 761
Delta R.T. 0.16 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion: 70 Resp: 28200

Ion	Ratio	Lower	Upper
70	100		
42	46.5	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

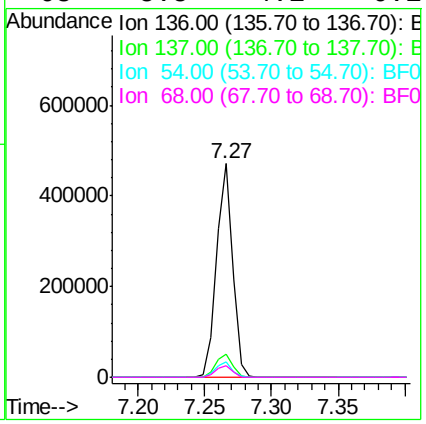




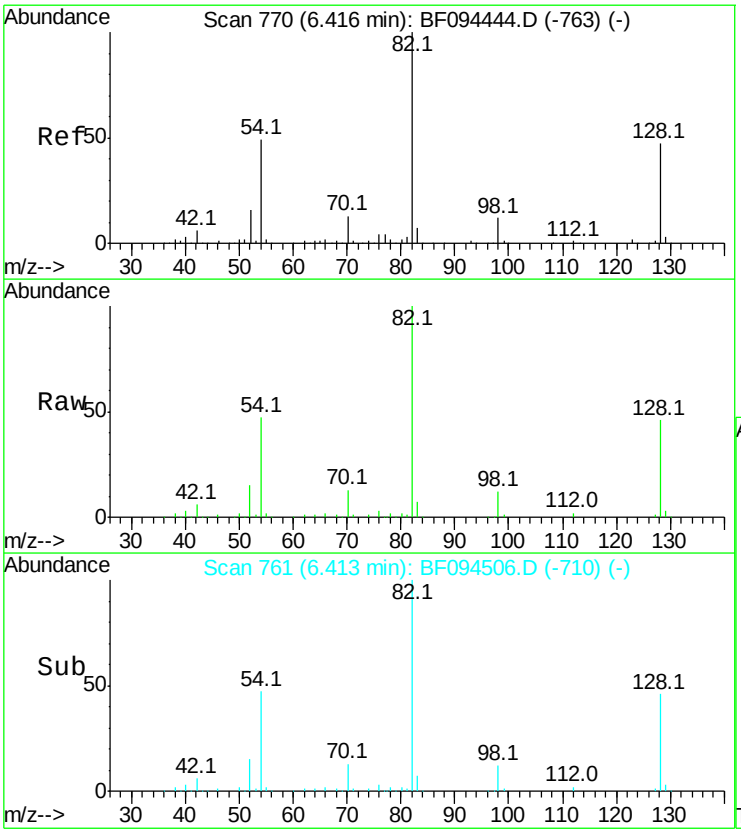
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:136 Resp: 404542

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.0	4.9	7.3
68	5.5	4.1	6.1



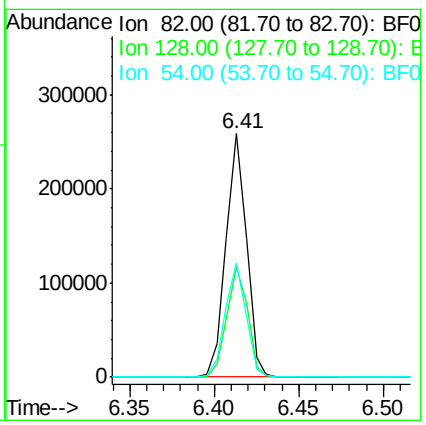
Instrument :
BNA_F
ClientSampleId :

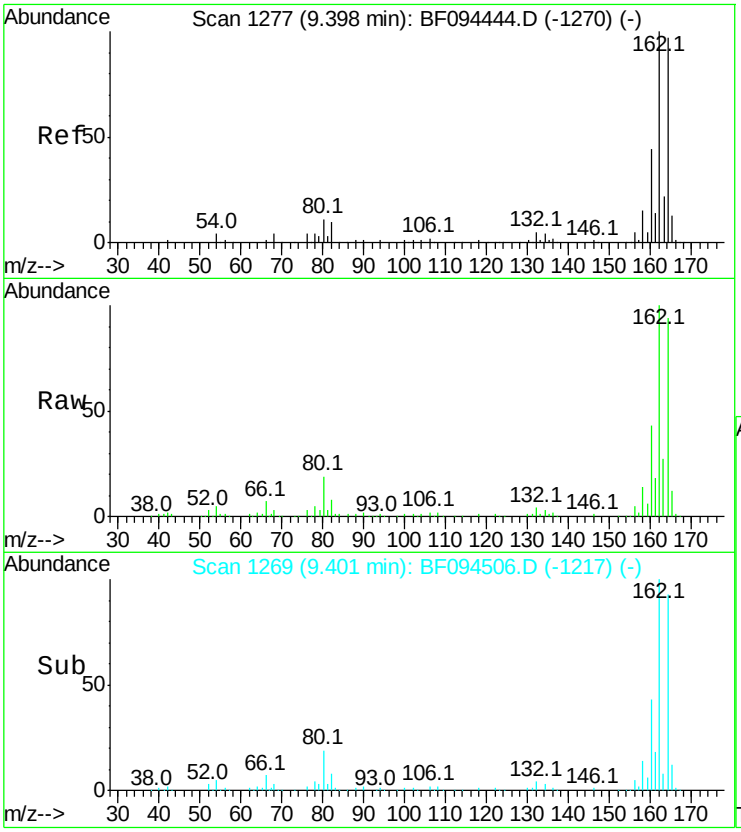


#23
Nitrobenzene-d5
Concen: 33.30 ng
RT: 6.41 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion: 82 Resp: 218187

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	47.0	42.2	63.2



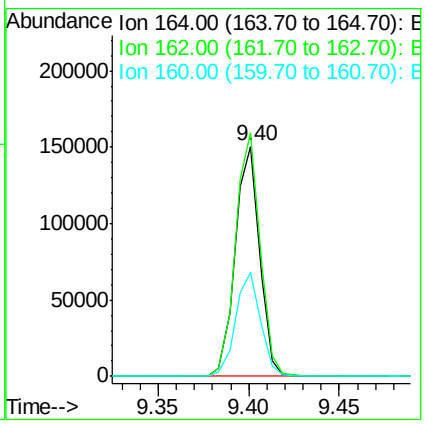


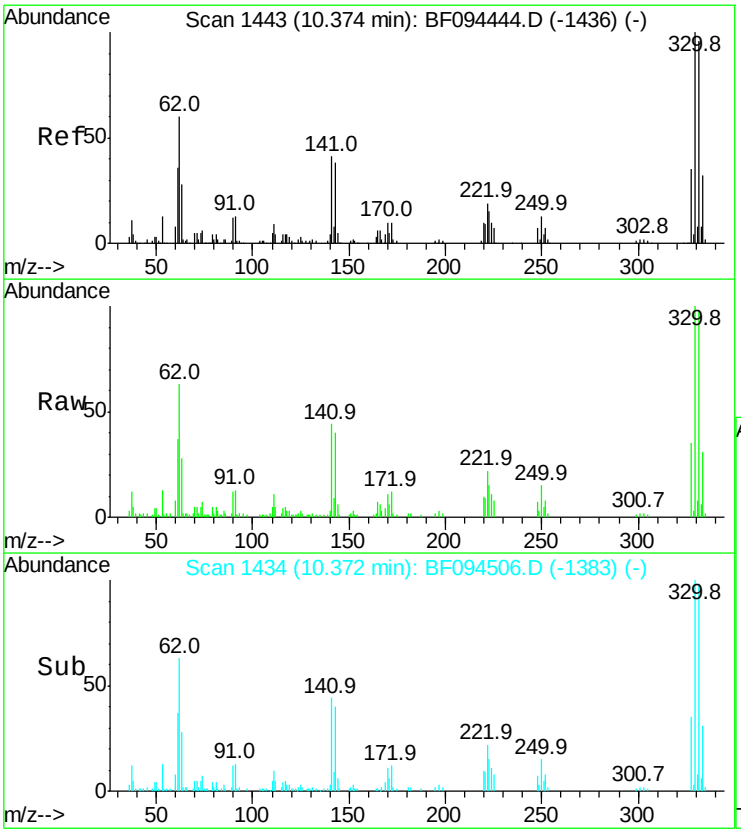
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 140816

Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.6	123.8
160	45.4	36.2	54.2

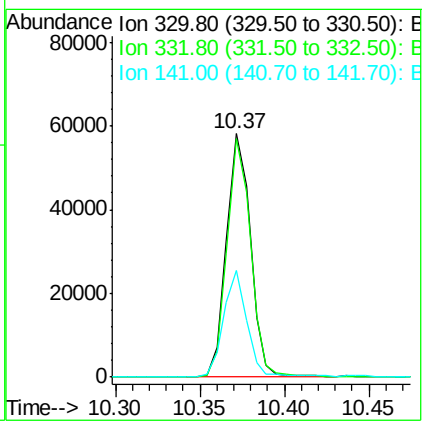


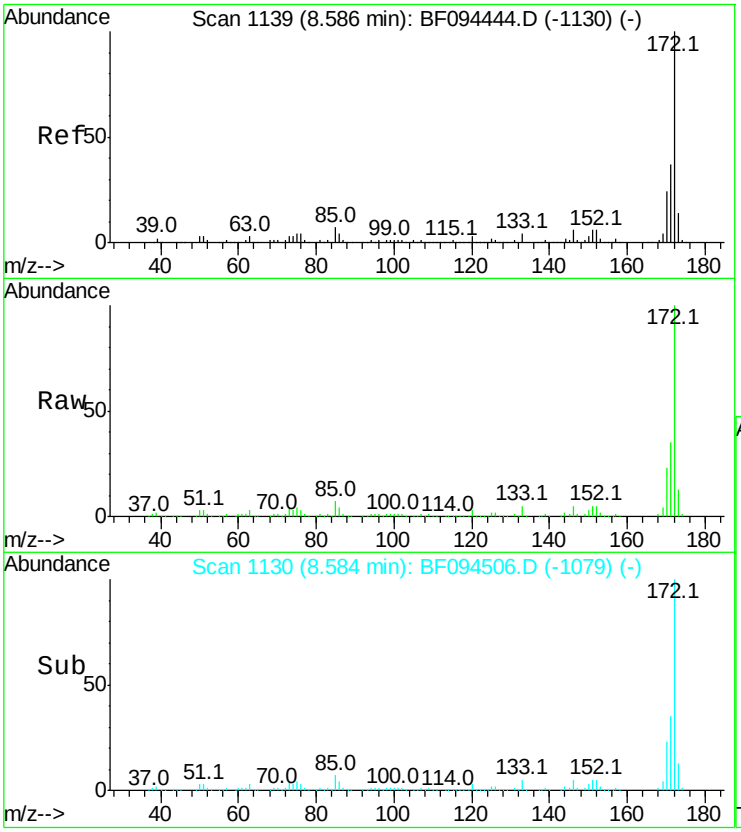


#41
2,4,6-Tribromophenol
Concen: 52.32 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:330 Resp: 57631

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	42.3	31.4	47.2



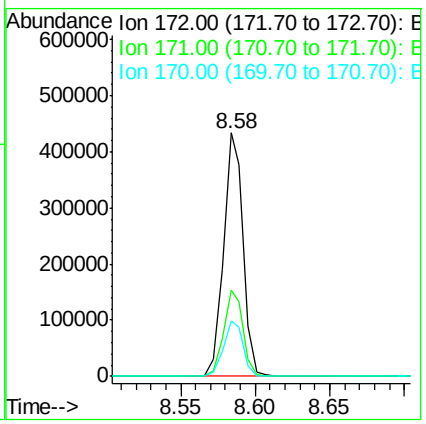


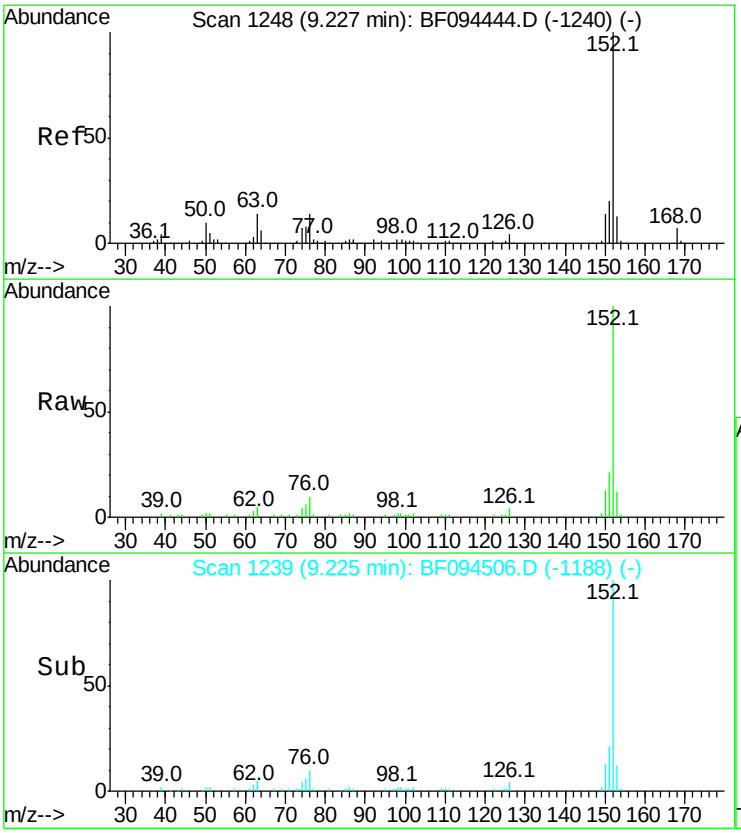
#44
2-Fluorobiphenyl
Concen: 41.96 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 401536

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	22.8	19.8	29.8

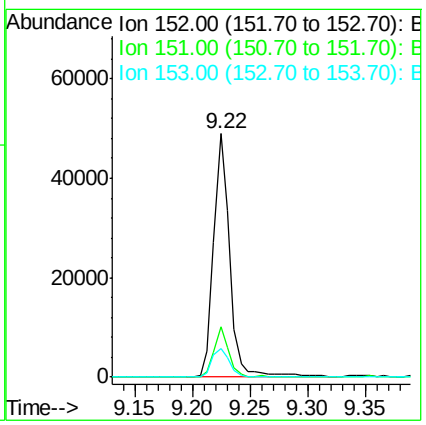


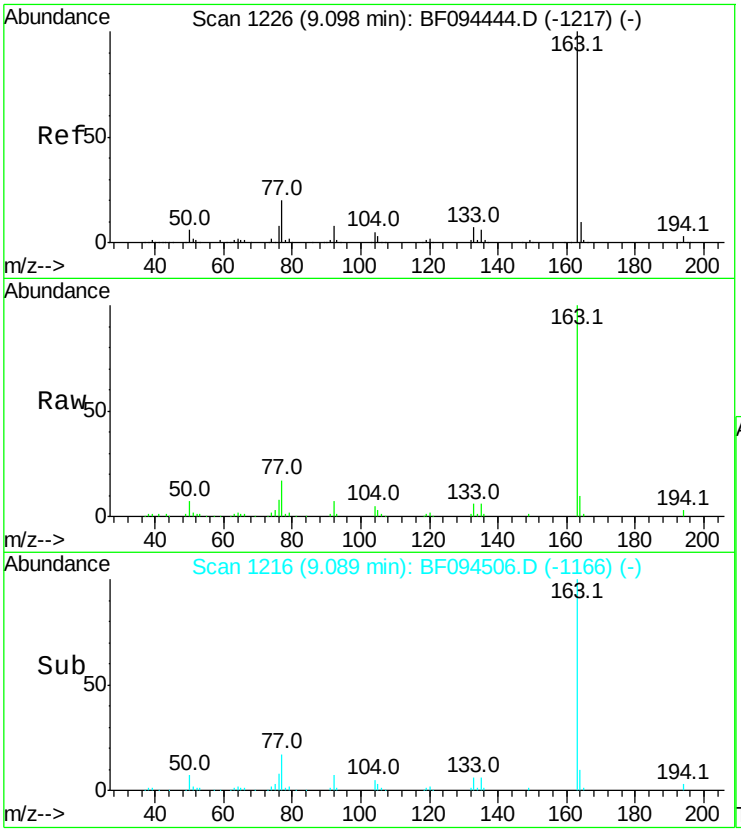


#48
Acenaphthylene
Concen: 3.35 ng
RT: 9.22 min Scan# 1239
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:152 Resp: 47780

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	11.7	10.8	16.2



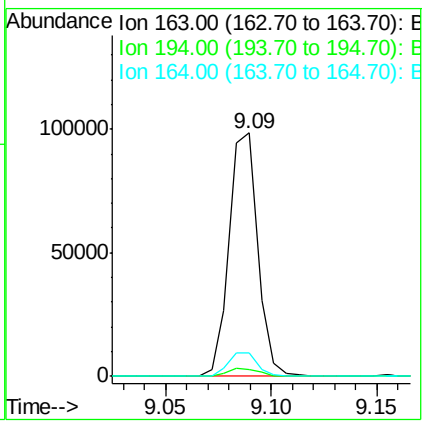


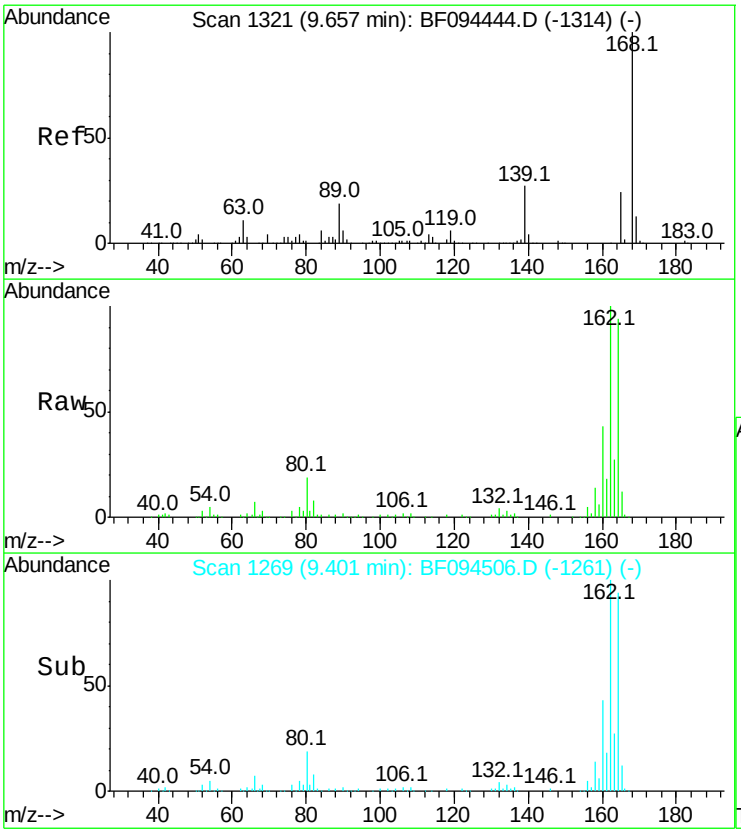
#49
Dimethylphthalate
Concen: 8.78 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 92121

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.6	8.4	12.6

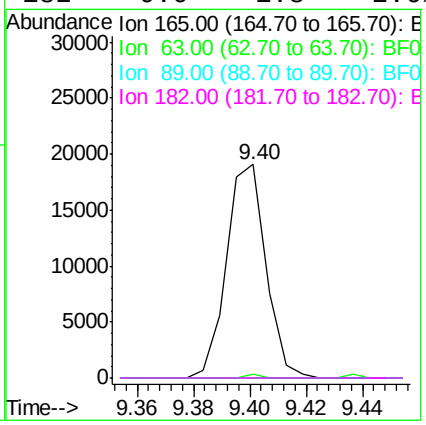


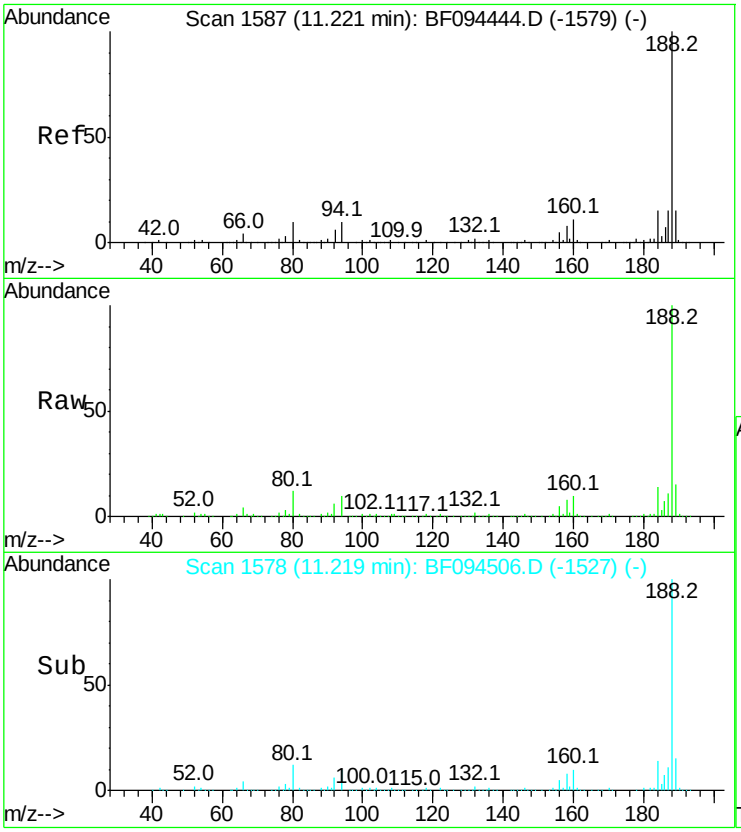


#56
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.40 min Scan# 1269
Delta R.T. -0.26 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:165 Resp: 18479

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



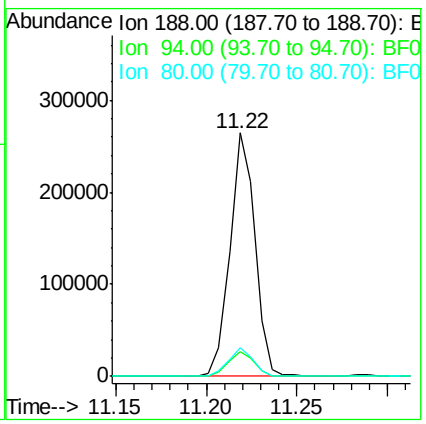


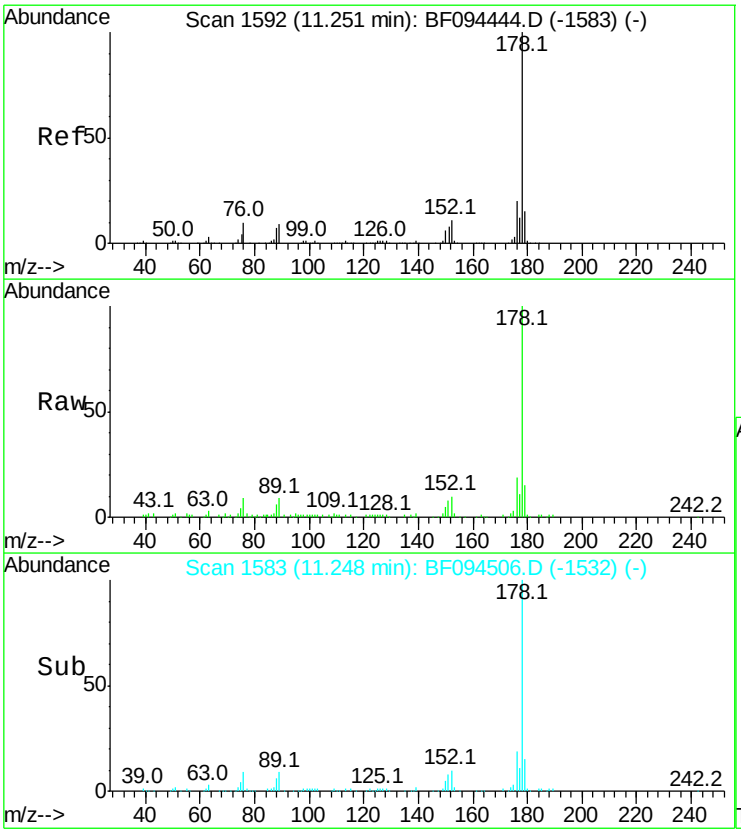
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 254022

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	11.8	10.2	15.2

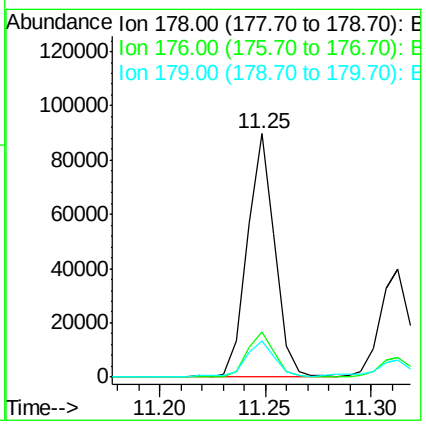


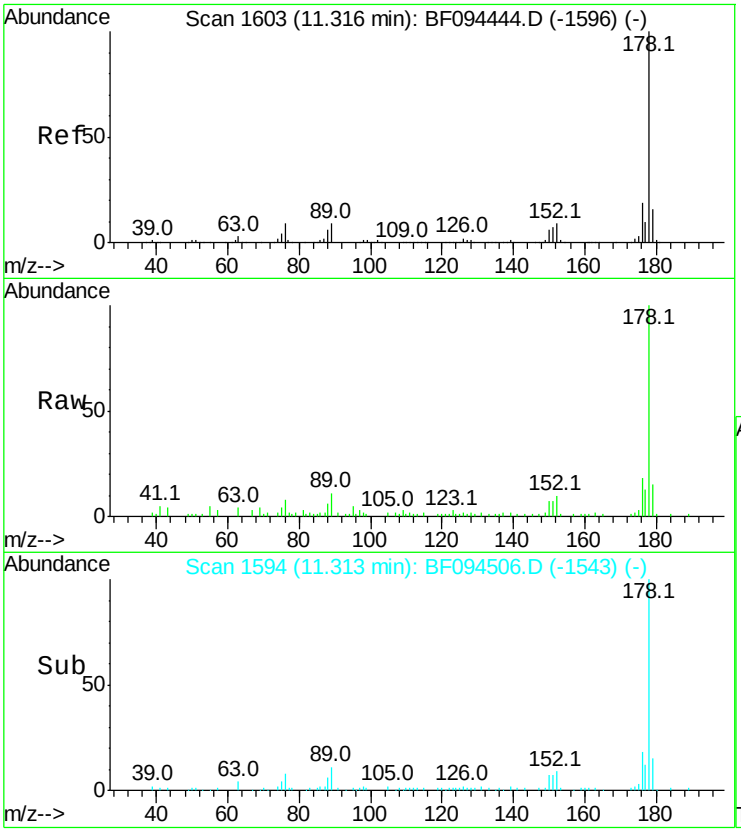


#70
Phenanthrene
Concen: 5.65 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:178 Resp: 80801

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.1	12.6	19.0



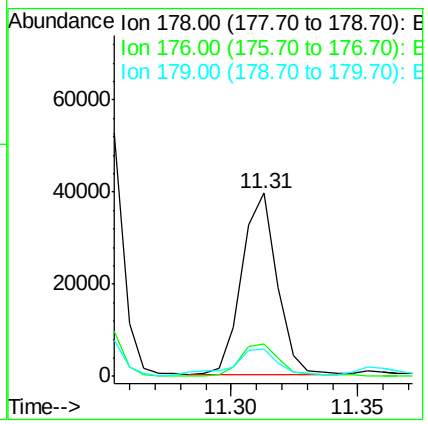


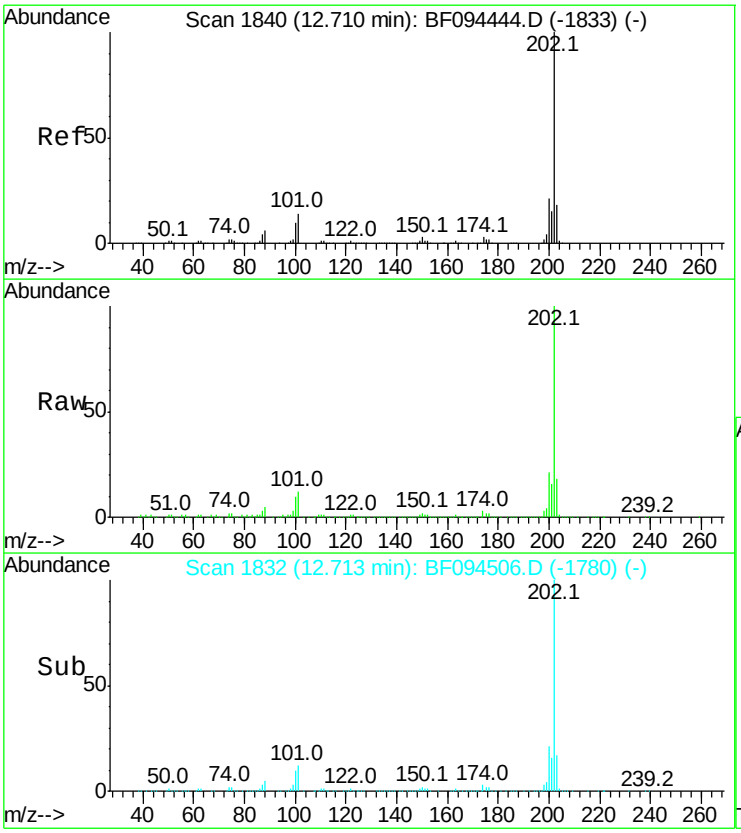
#71
Anthracene
Concen: 2.60 ng
RT: 11.31 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 38421

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.3	12.7	19.1

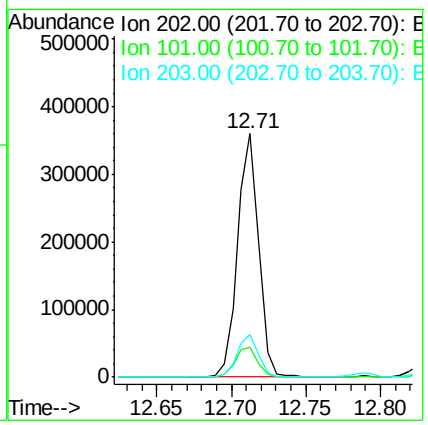


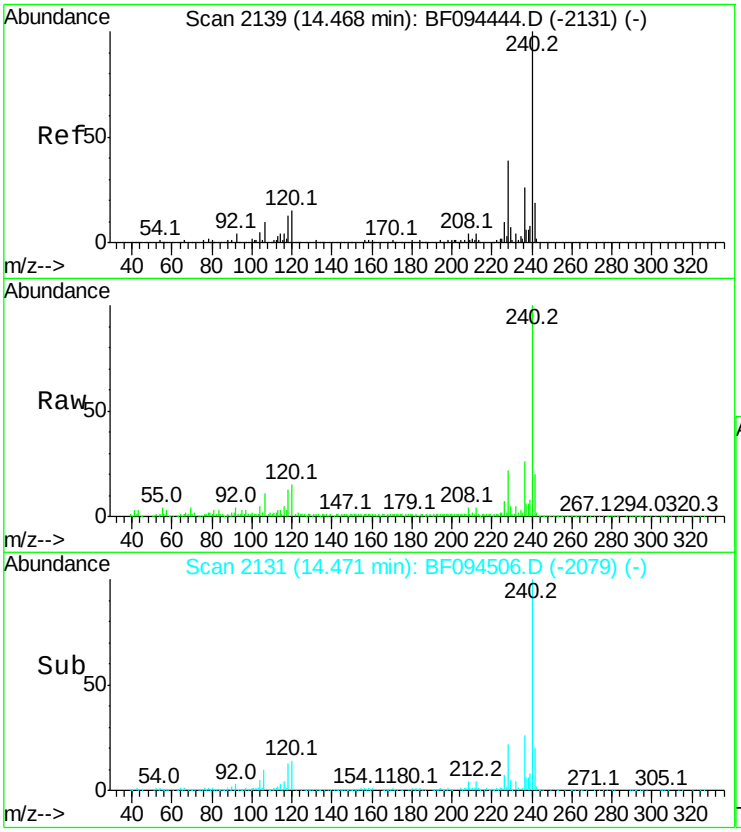


#74
Fluoranthene
Concen: 23.94 ng
RT: 12.71 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:202 Resp: 354883

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.5	0.0	38.1



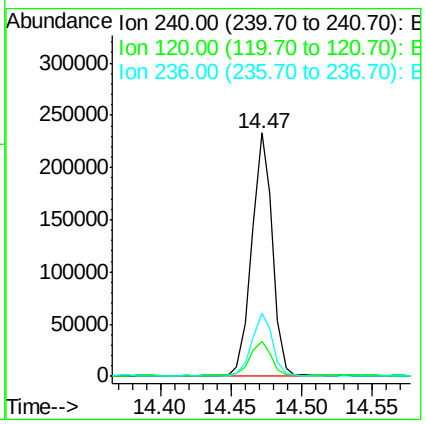


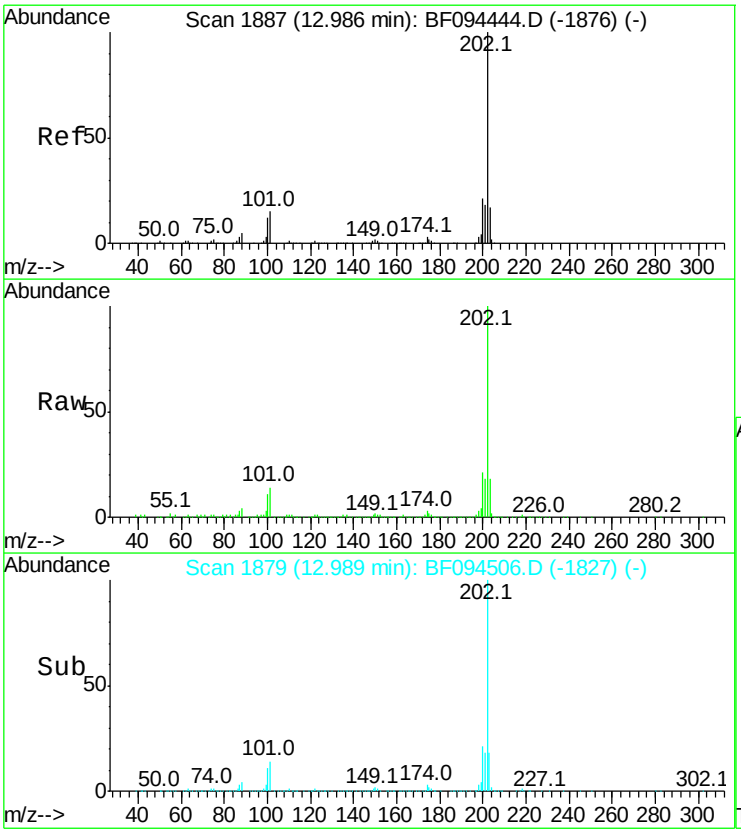
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2131
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 239660

Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	26.1	20.5	30.7

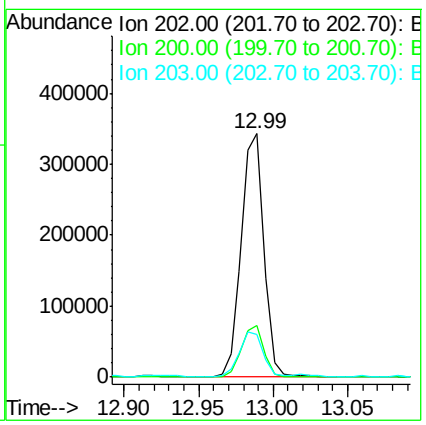


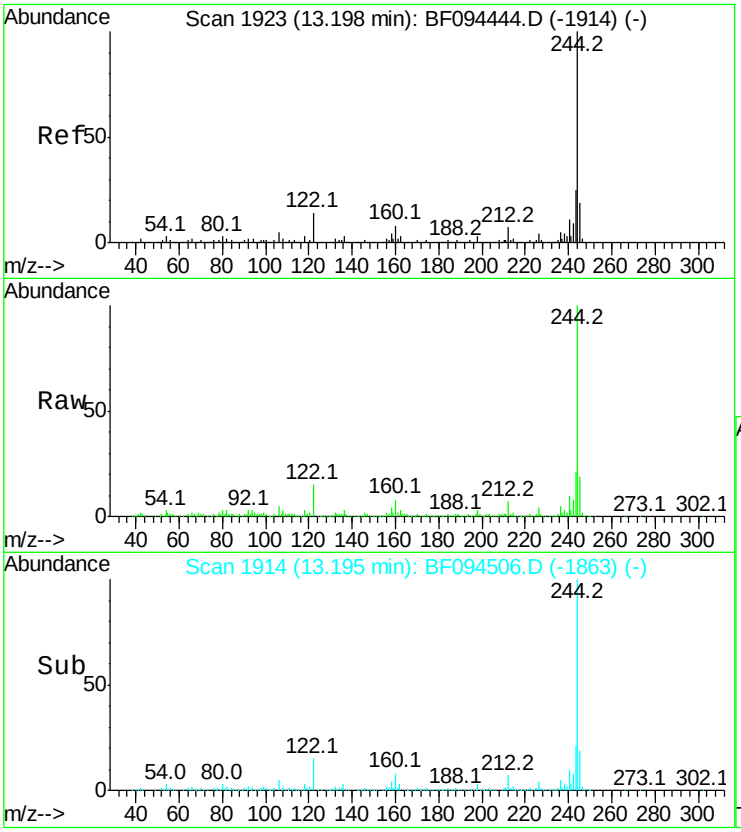


#77
Pyrene
Concen: 21.44 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:202 Resp: 358941

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.7	14.4	21.6



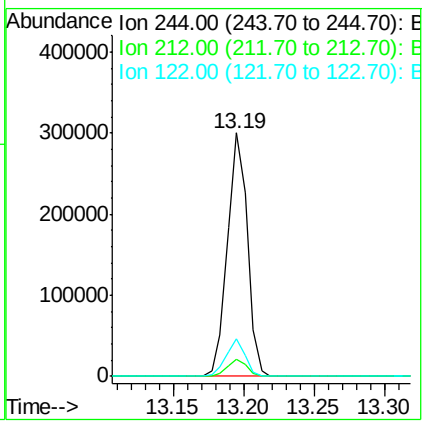


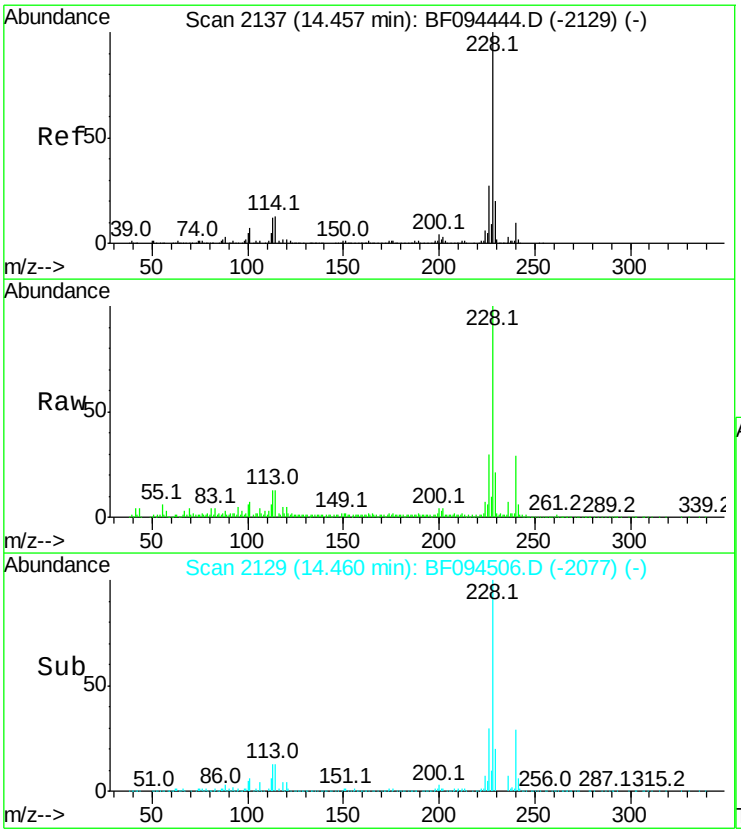
#78
Terphenyl-d14
Concen: 32.94 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 295312

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.2	10.3	15.5

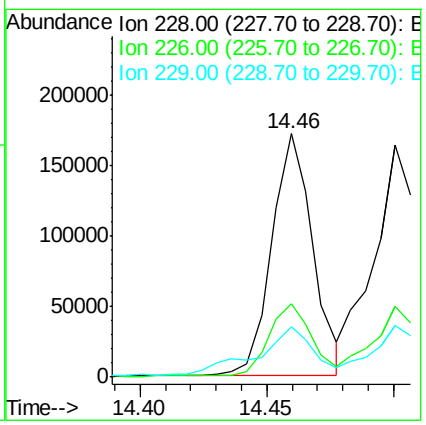


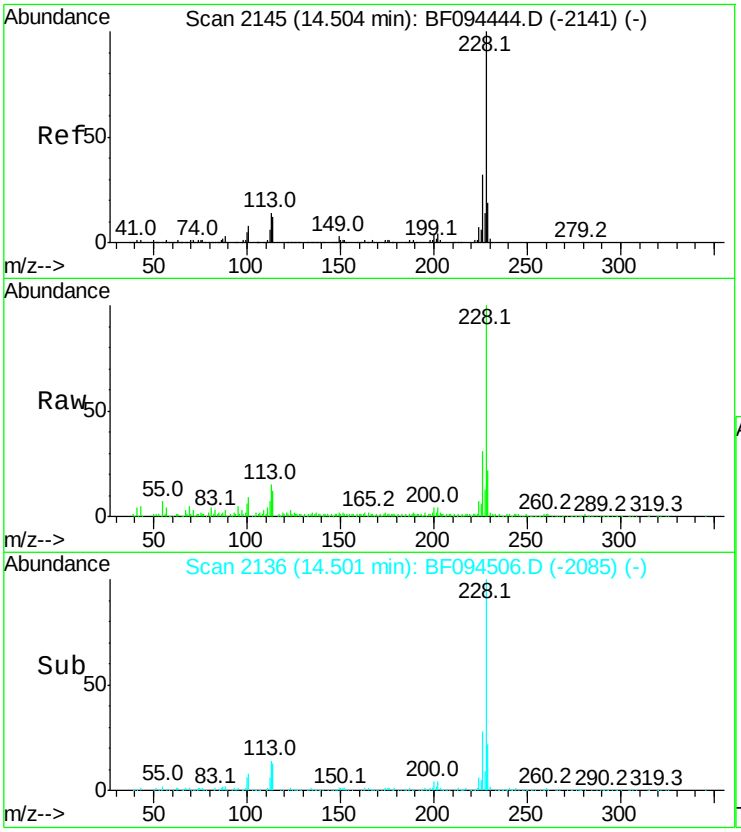


#80
Benzo(a)anthracene
Concen: 14.01 ng
RT: 14.46 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:228 Resp: 195147

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.8	16.3	24.5



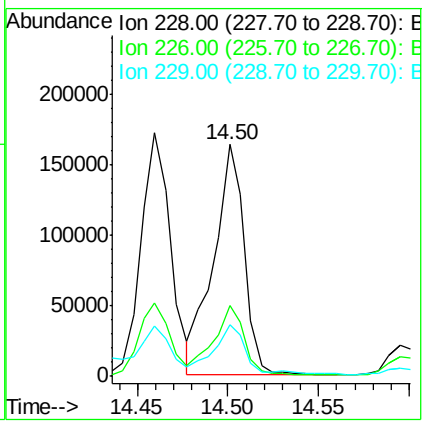


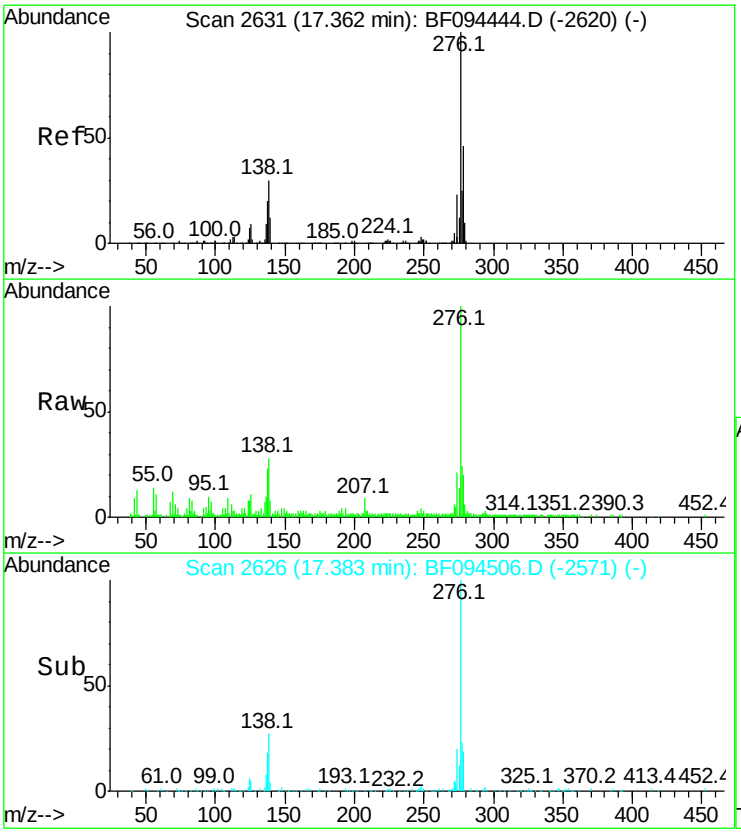
#82
Chrysene
Concen: 15.23 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 193933

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.4	15.8	23.6

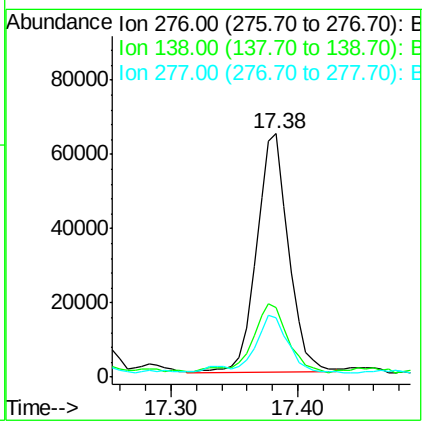


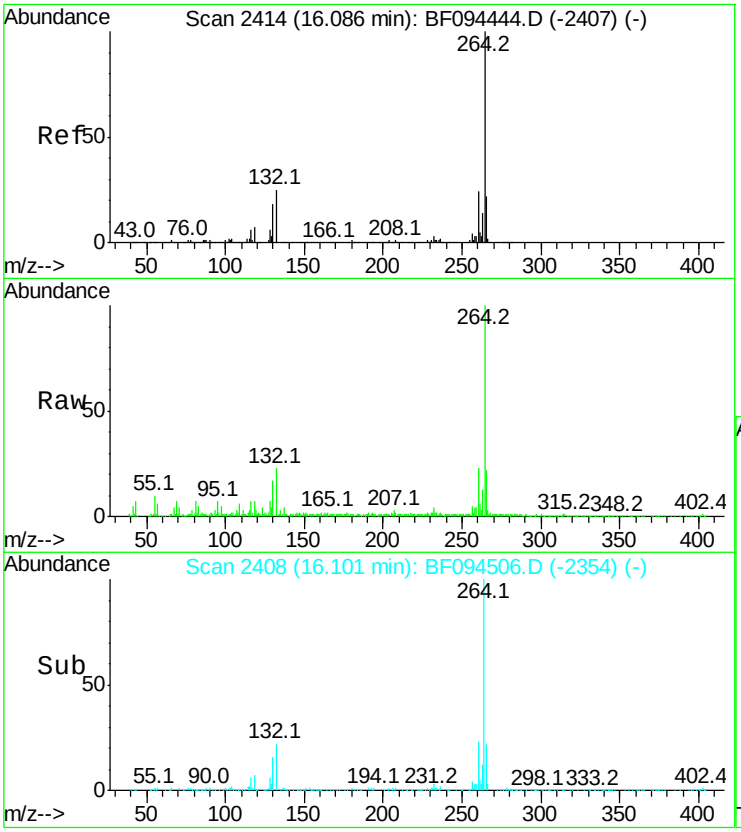


#85
Indeno(1,2,3-cd)pyrene
Concen: 9.31 ng
RT: 17.38 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:276 Resp: 112797

Ion	Ratio	Lower	Upper
276	100		
138	32.0	27.8	41.6
277	24.1	20.2	30.4



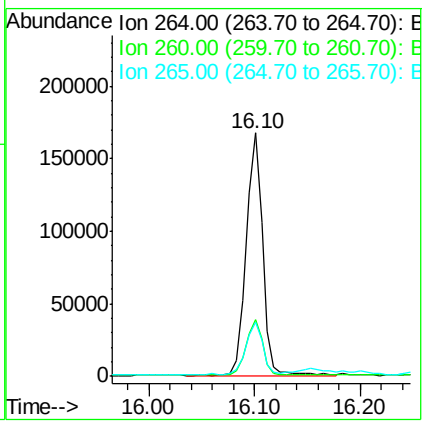


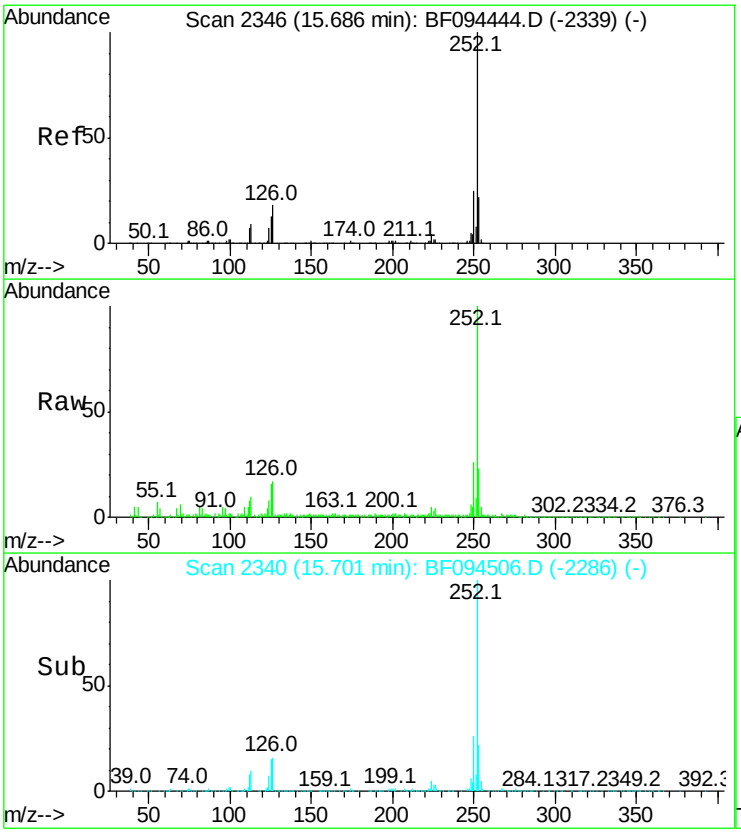
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 181425

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.2	17.2	25.8

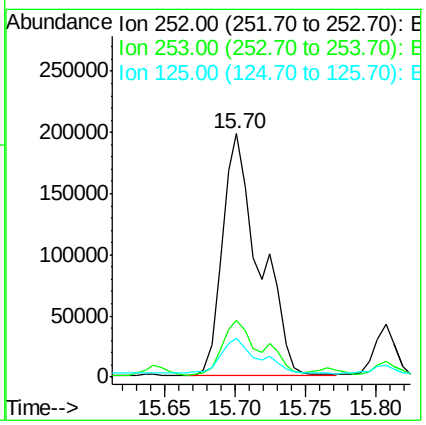


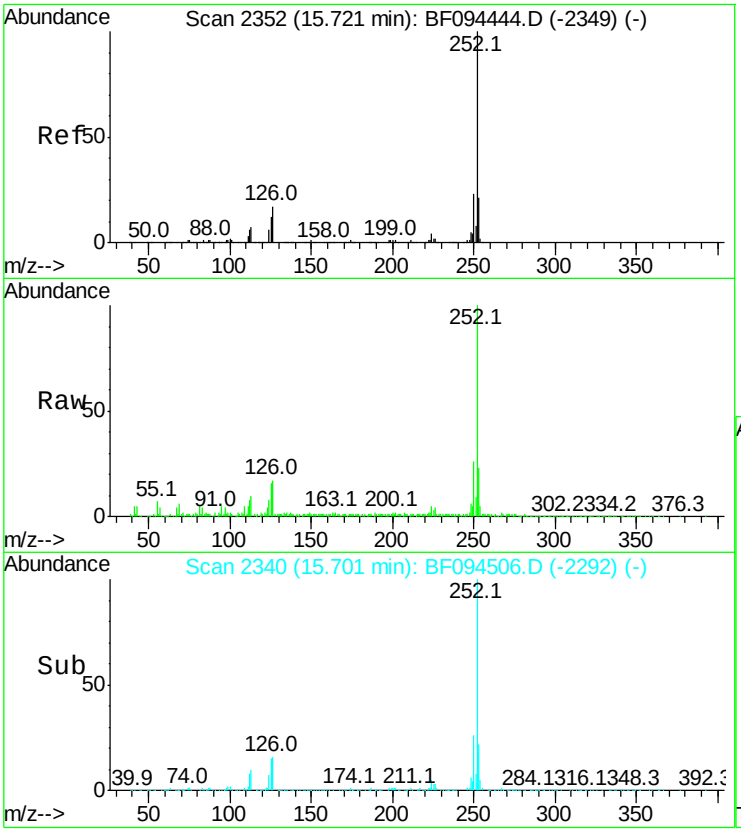


#87
Benzo(b)fluoranthene
Concen: 32.57 ng
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:252 Resp: 361445

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.2	9.8	14.8#



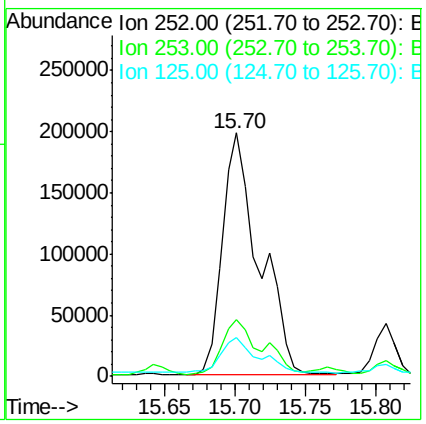


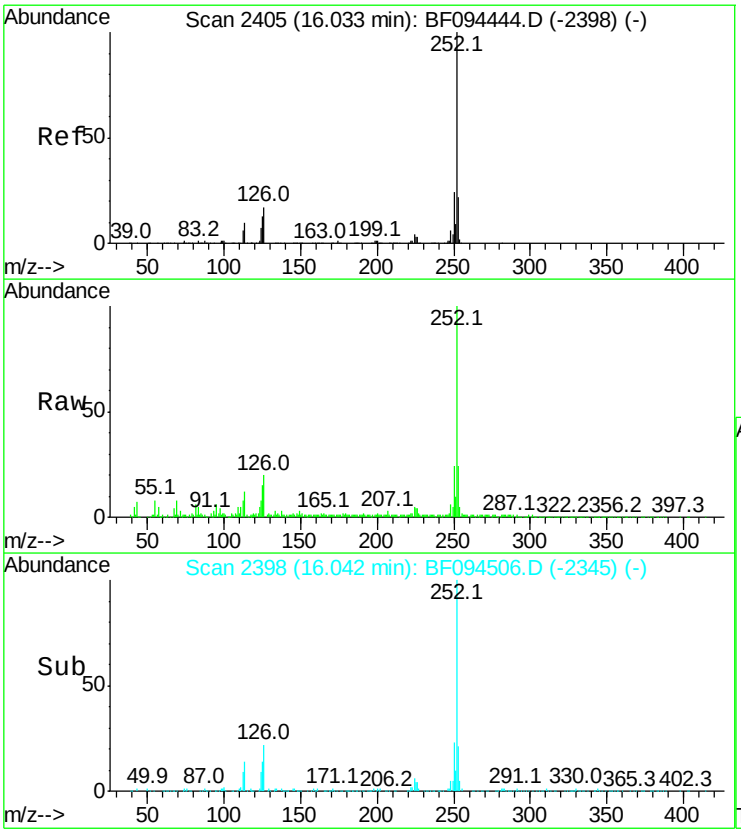
#88
Benzo(k)fluoranthene
Concen: 34.41 ng
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 361445

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.2	13.1	19.7

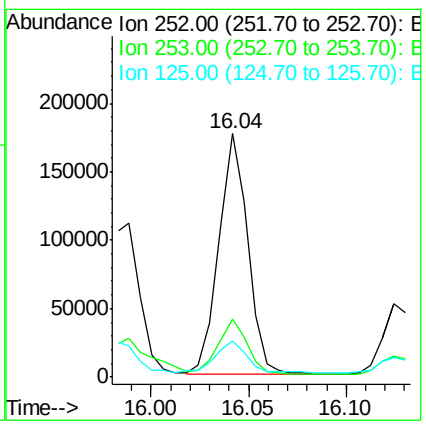


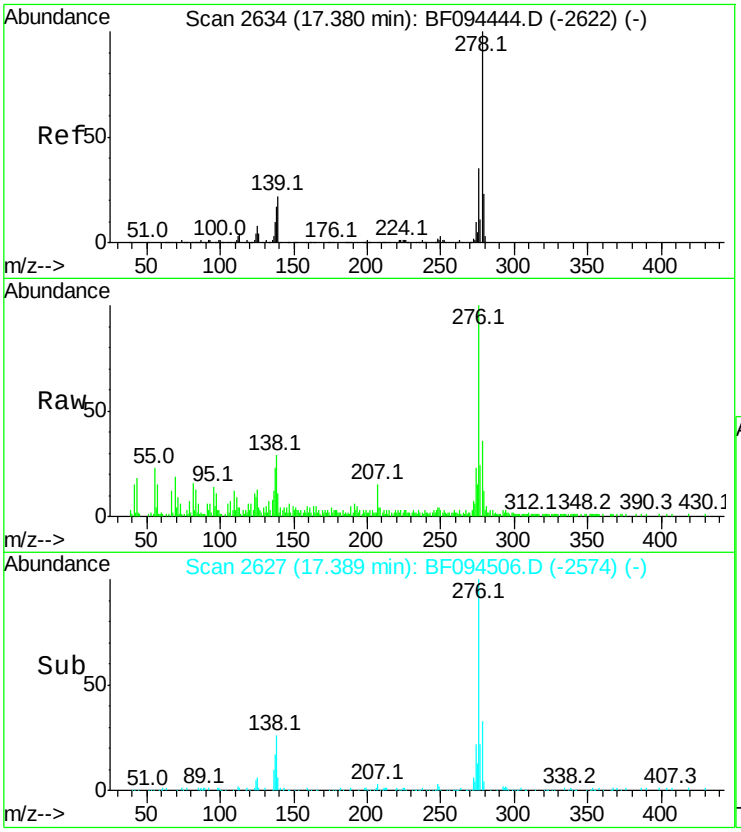


#89
Benzo(a)pyrene
Concen: 17.61 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:252 Resp: 181833

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.9	11.0	16.4



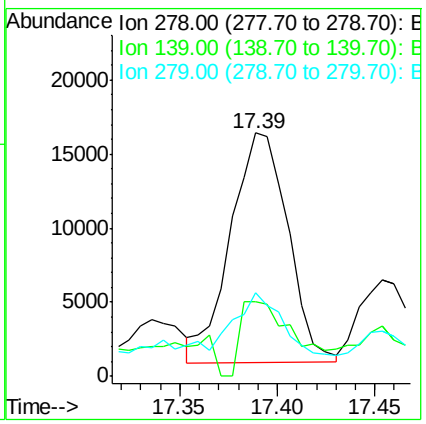


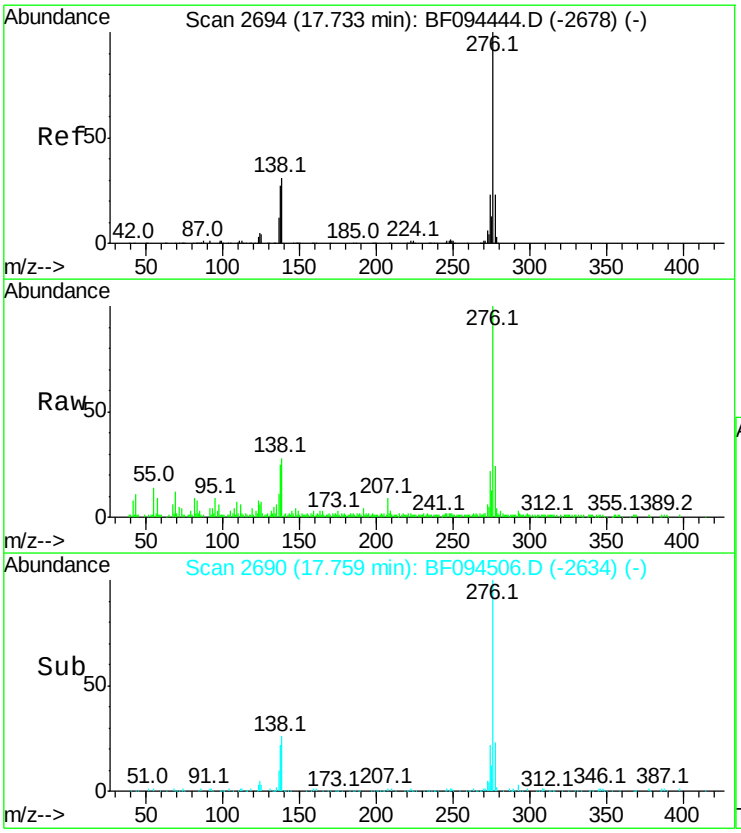
#90
Dibenzo(a,h)anthracene
Concen: 3.68 ng
RT: 17.39 min Scan# 2627
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 31572

Ion	Ratio	Lower	Upper
278	100		
139	30.9	16.6	24.8#
279	34.5	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 16.09 ng
RT: 17.76 min Scan# 2690
Delta R.T. 0.03 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:276 Resp: 140451

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	27.8	25.4	38.0