Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078628.D
Acq On : 18 Apr 2015 7:06
Operator : TP/IZ
Sample : G1902-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB20

Quant Time: Apr 20 00:56:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 18 05:04:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	37452	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	160612	20.00	ng		0.00
38) Acenaphthene-d10	10.40	164	86421	20.00	ng		-0.01
63) Phenanthrene-d10	12.22	188	172556	20.00	ng		0.00
75) Chrysene-d12	15.47	240	188710	20.00	ng		0.01
86) Perylene-d12	17.15	264	194742	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.90	112	160684	70.74	ng		0.00
7) Phenol-d6	6.28	99	220338	77.40	ng		0.00
23) Nitrobenzene-d5	7.38	82	151694	57.25	ng		0.00
41) 2,4,6-Tribromophenol	11.38	330	60995	85.10	ng		0.00
44) 2-Fluorobiphenyl	9.60	172	290172	48.00	ng		0.00
78) Terphenyl-d14	14.21	244	352762	42.24	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.27	128	32671	3.91	ng		98
32) Benzoic acid	8.08	122	252	5.98	ng	#	85
37) 2-Methylnaphthalene	9.13	142	18102	3.19	ng	#	95
48) Acenaphthylene	10.23	152	97465	10.85	ng		99
49) Dimethylphthalate	10.11	163	29145	4.49	ng		99
54) Dibenzofuran	10.66	168	21376	2.77	ng		93
55) 4-Nitrophenol	10.66	139	8021	9.69	ng	#	22
57) Fluorene	11.07	166	14749	2.36	ng	#	91
70) Phenanthrene	12.25	178	242744	24.32	ng		100
71) Anthracene	12.31	178	113772	11.57	ng		100
72) Carbazole	12.53	167	32327	3.51	ng		97
73) Di-n-butylphthalate	13.01	149	42310	4.05	ng	#	96
74) Fluoranthene	13.71	202	701191	66.61	ng		93
77) Pyrene	13.99	202	696940	58.83	ng		97
80) Benzo(a)anthracene	15.46	228	466292	41.53	ng		97
82) Chrysene	15.50	228	347139	32.91	ng		97
85) Indeno(1,2,3-cd)pyrene	18.34	276	312992	26.15	ng	#	91
87) Benzo(b)fluoranthene	16.73	252	821107	68.22	ng	#	95
88) Benzo(k)fluoranthene	16.73	252	823346	76.98	ng		97
89) Benzo(a)pyrene	17.10	252	416934	39.69	ng	#	92
90) Dibenzo(a,h)anthracene	18.37	278	77991	7.42	ng	#	89
91) Benzo(g,h,i)perylene	18.67	276	284533	26.99	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078628.D
Acq On : 18 Apr 2015 7:06
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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LS-SB20

Quant Time: Apr 20 00:56:26 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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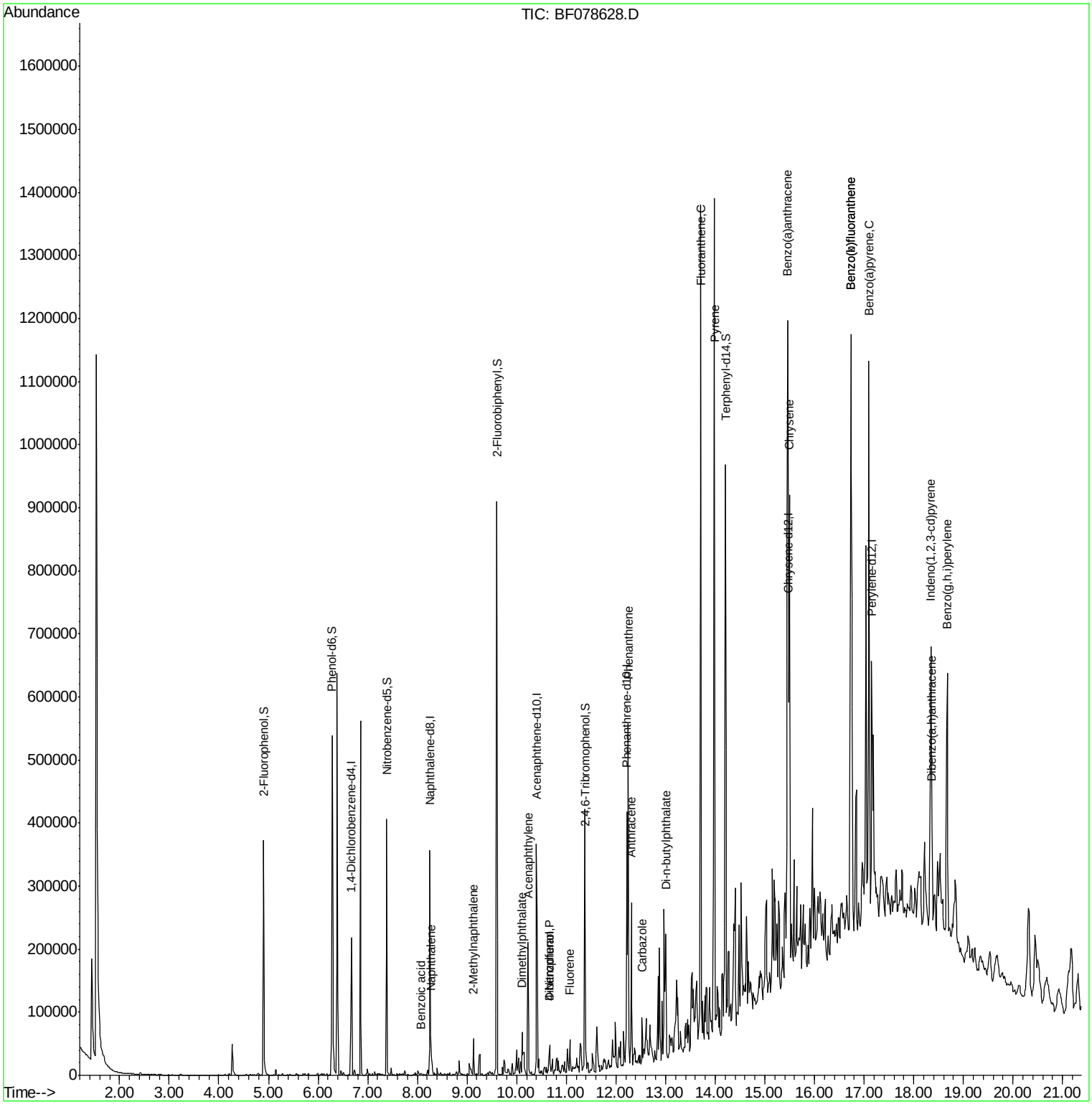
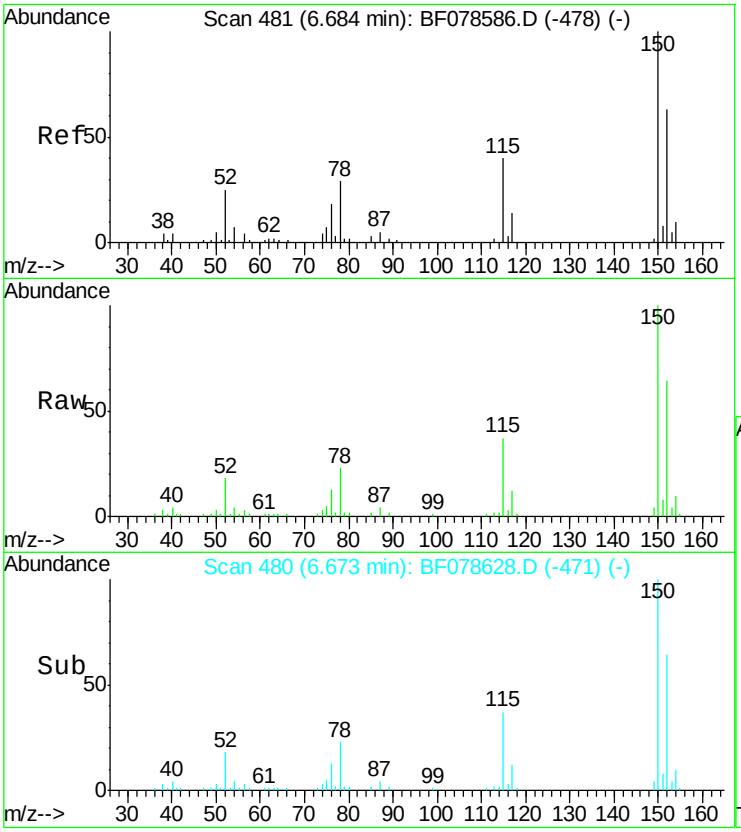


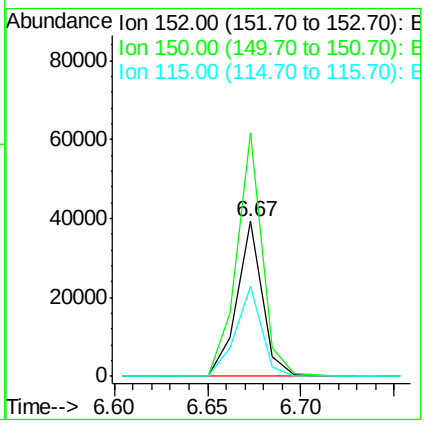


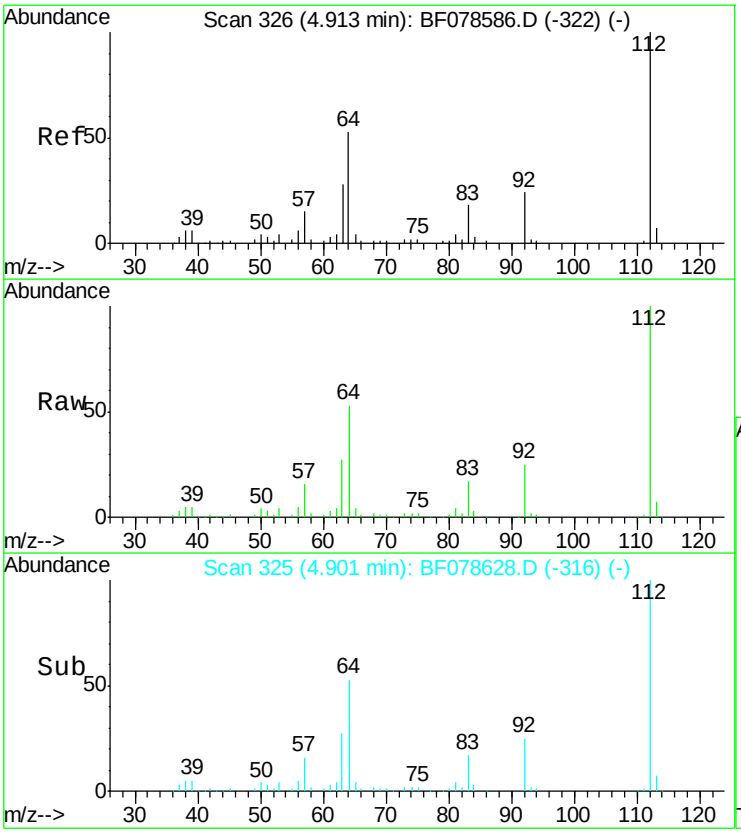
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:152 Resp: 37452

Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.9	188.9
115	57.9	52.7	79.1

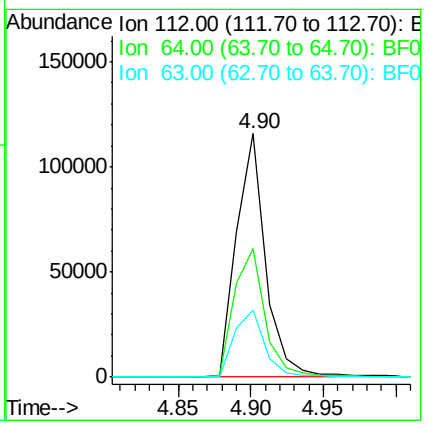


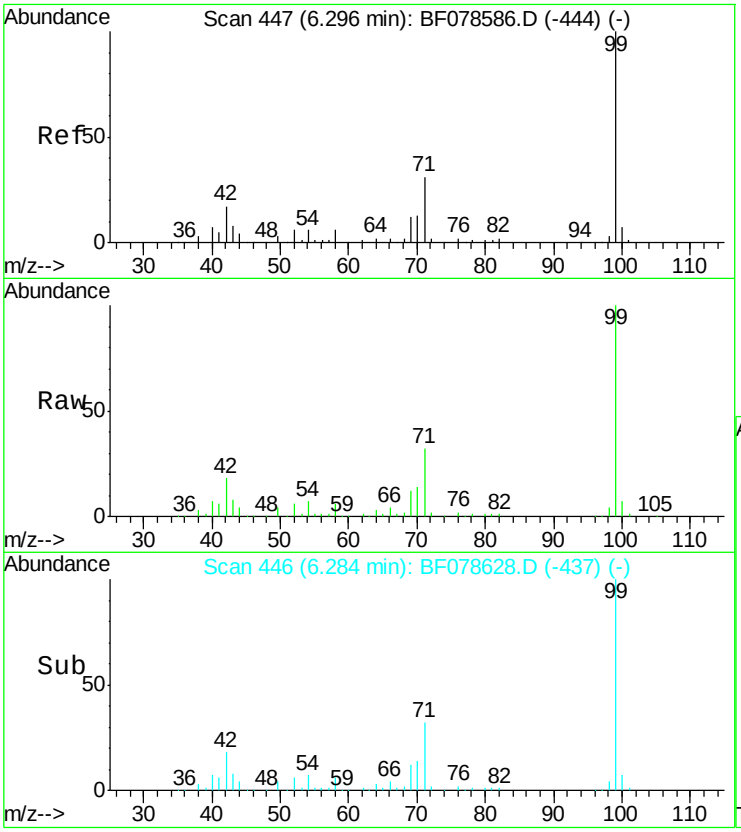


#5
2-Fluorophenol
Concen: 70.74 ng
RT: 4.90 min Scan# 325
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:112 Resp: 160684

Ion	Ratio	Lower	Upper
112	100		
64	52.6	39.9	59.9
63	27.5	20.2	30.4



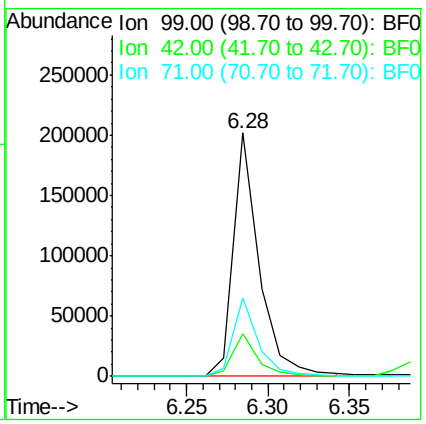


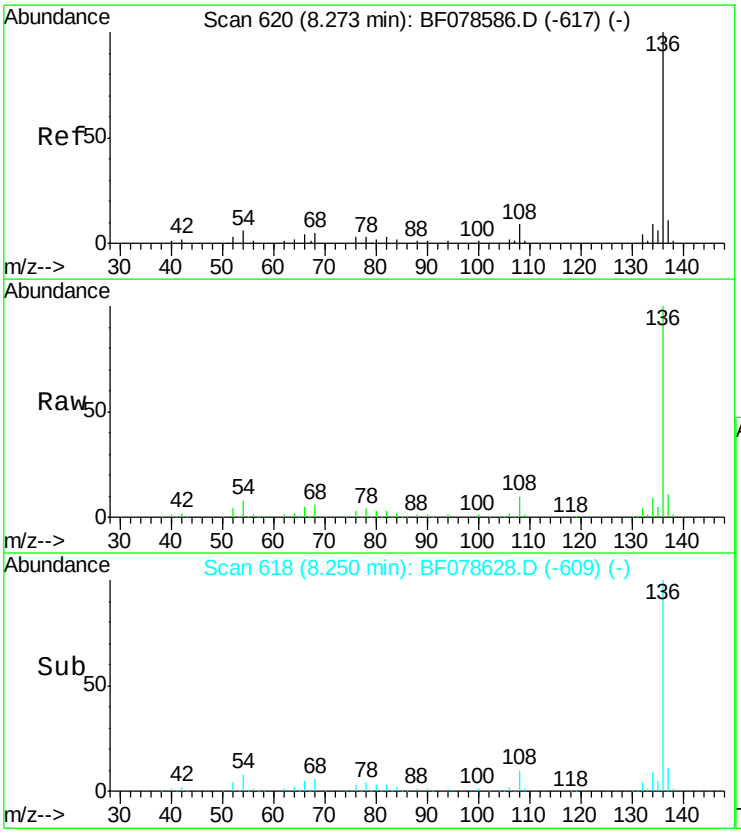
#7
Phenol-d6
Concen: 77.40 ng
RT: 6.28 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion: 99 Resp: 220338

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.8	22.2
71	32.4	26.6	39.8

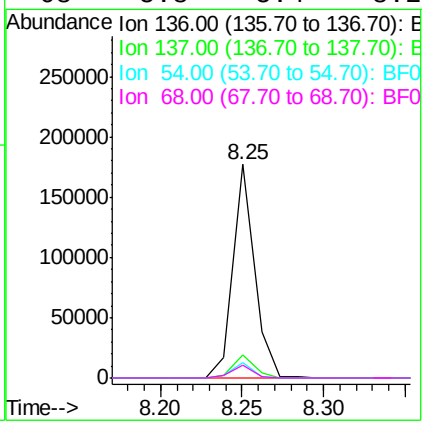


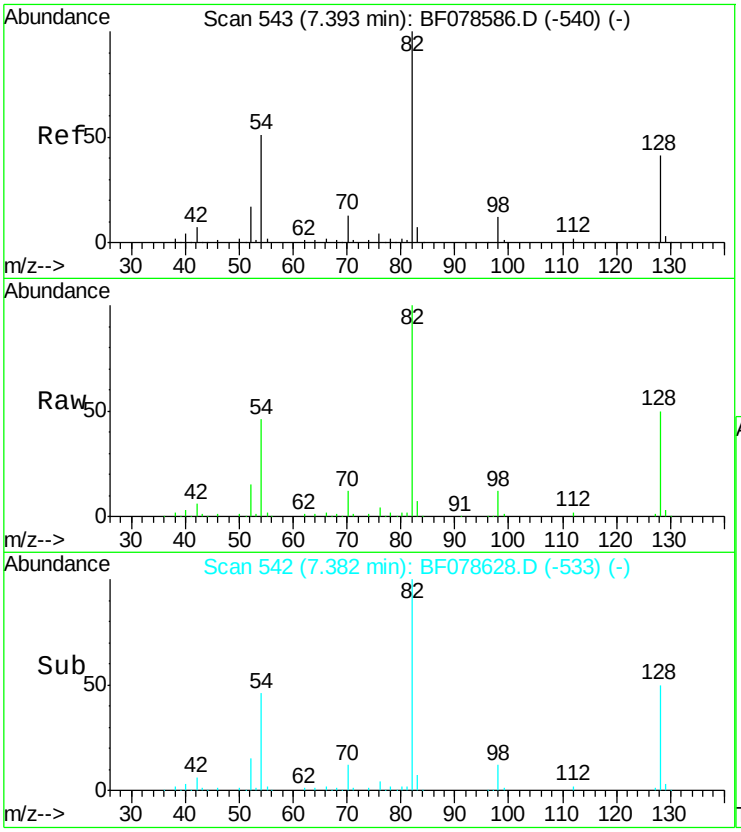


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:136 Resp: 160612

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.5	7.0	10.6
68	5.8	5.4	8.2



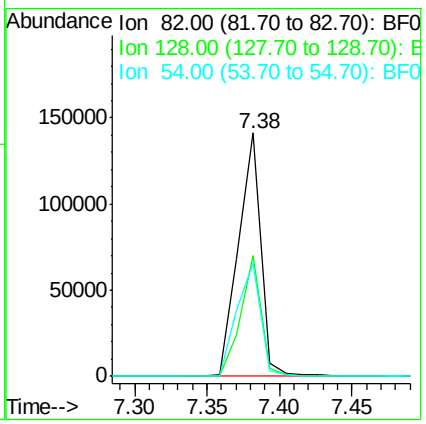


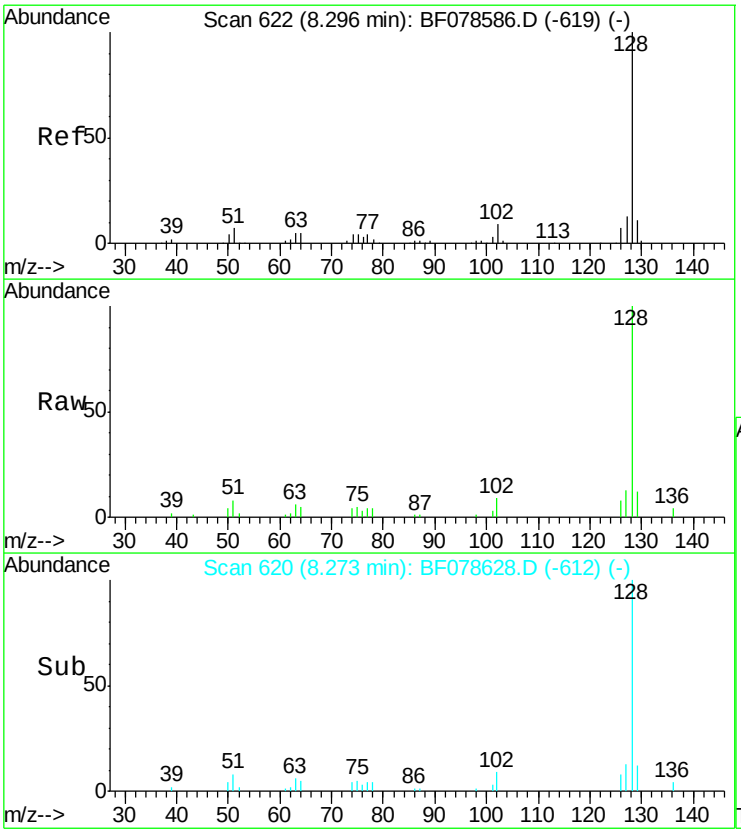
#23
Nitrobenzene-d5
Concen: 57.25 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion: 82 Resp: 151694

Ion	Ratio	Lower	Upper
82	100		
128	49.8	31.8	47.8#
54	46.5	41.5	62.3

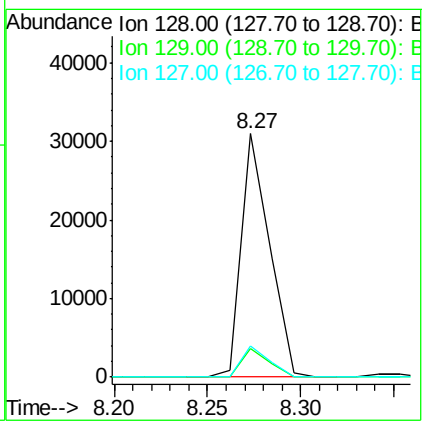


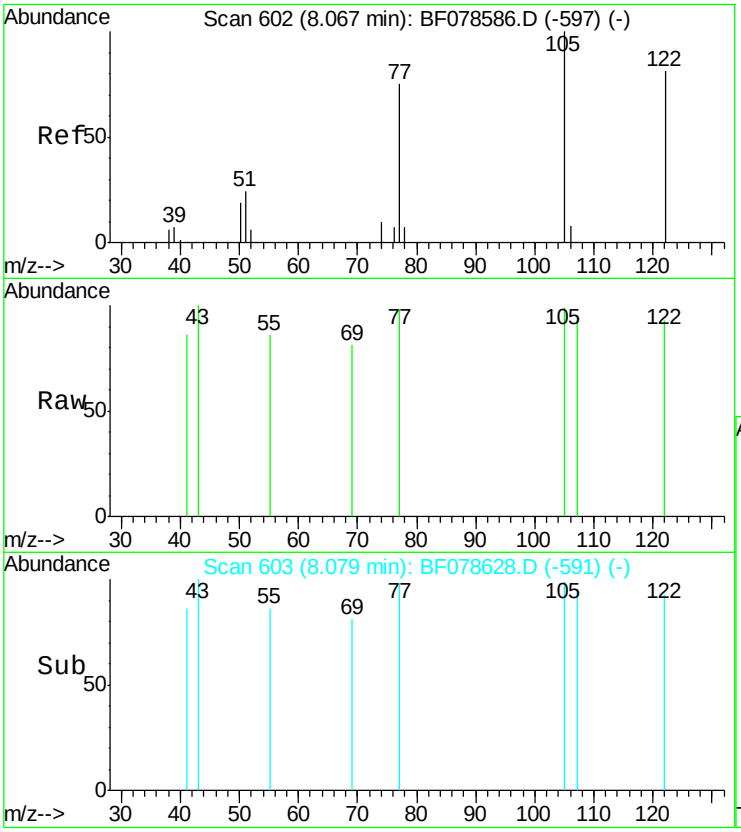


#31
Naphthalene
Concen: 3.91 ng
RT: 8.27 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:128 Resp: 32671

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	12.8
127	12.9	10.7	16.1



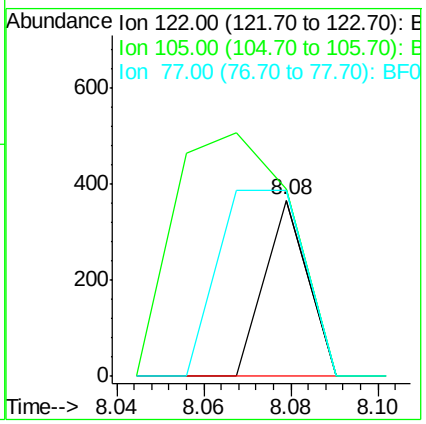


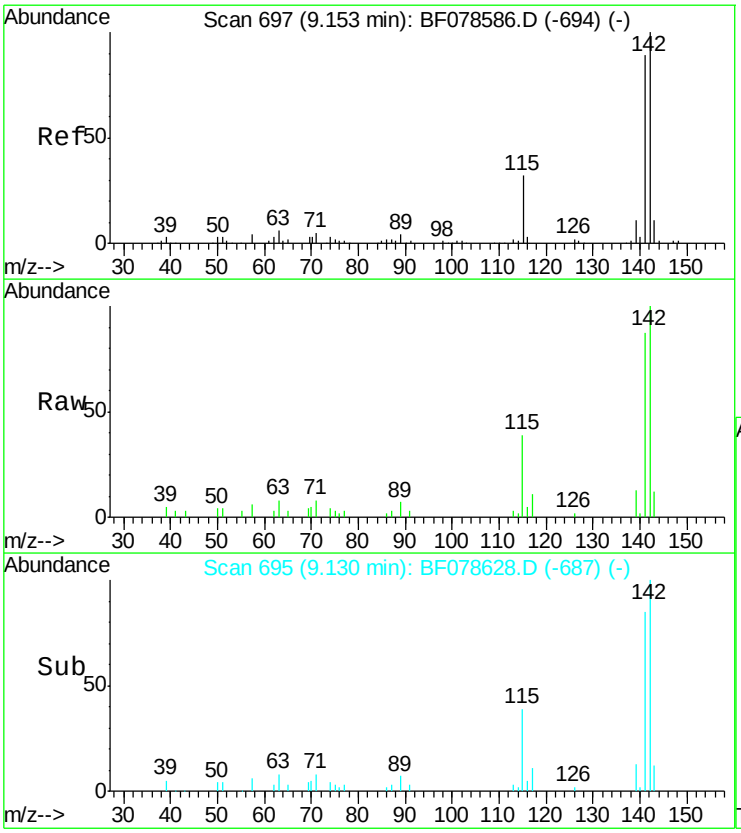
#32
Benzoic acid
Concen: 5.98 ng
RT: 8.08 min Scan# 603
Delta R.T. 0.03 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:122 Resp: 252

Ion	Ratio	Lower	Upper
122	100		
105	106.0	96.1	136.1
77	105.4	64.1	104.1#

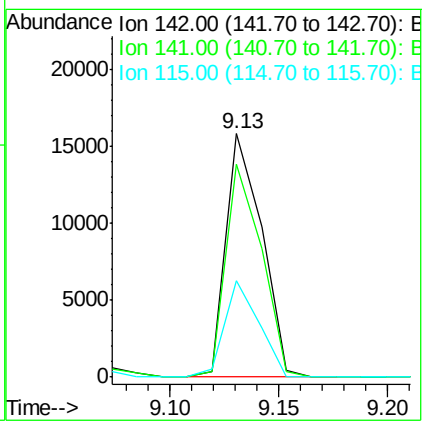


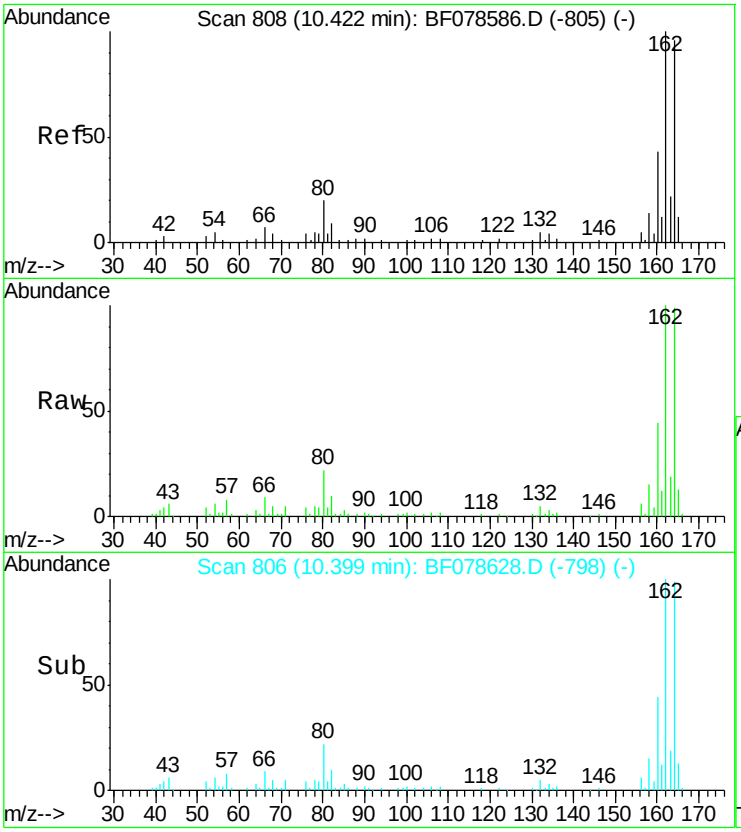


#37
2-Methylnaphthalene
Concen: 3.19 ng
RT: 9.13 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:142 Resp: 18102

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.3	105.5
115	39.5	24.6	37.0#



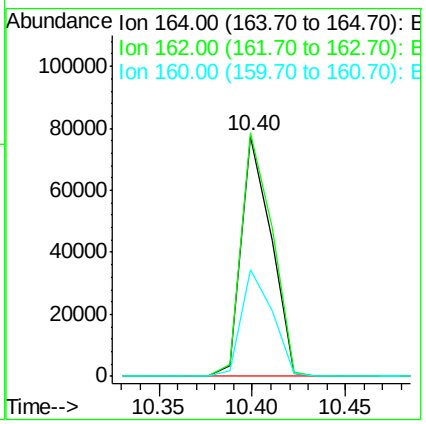


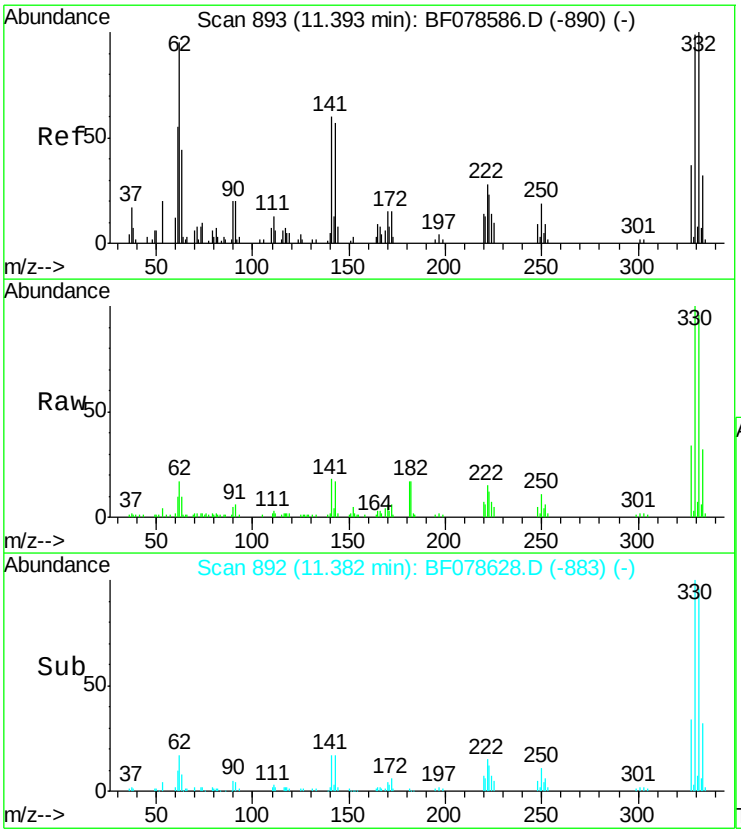
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:164 Resp: 86421

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	44.2	34.7	52.1

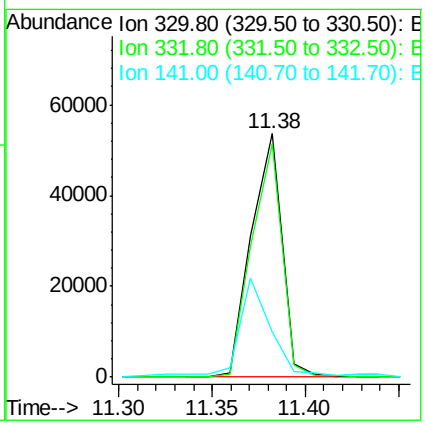


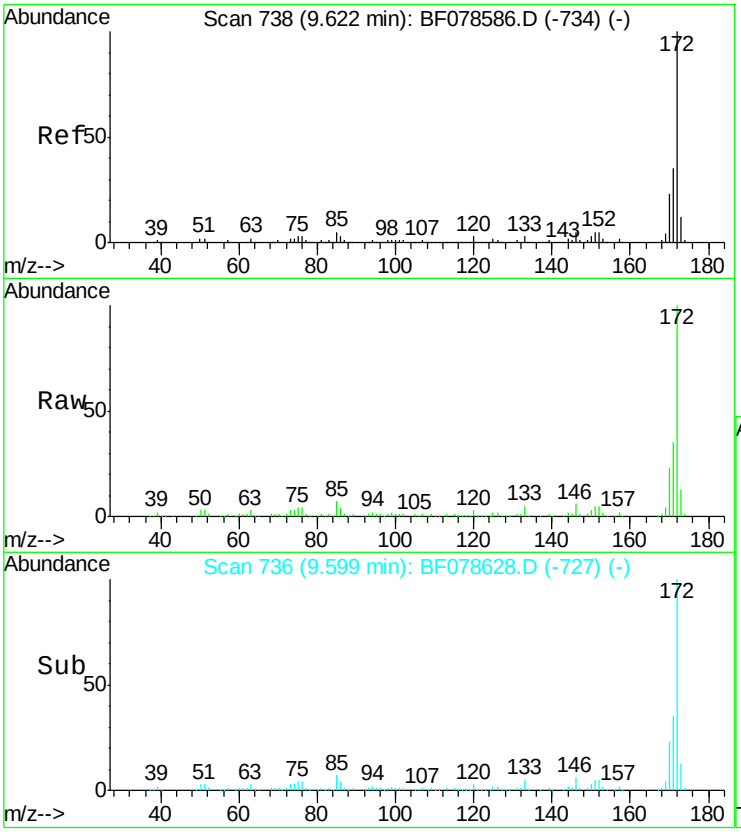


#41
2,4,6-Tribromophenol
Concen: 85.10 ng
RT: 11.38 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:330 Resp: 60995

Ion	Ratio	Lower	Upper
330	100		
332	94.8	78.6	117.8
141	43.3	31.2	46.8



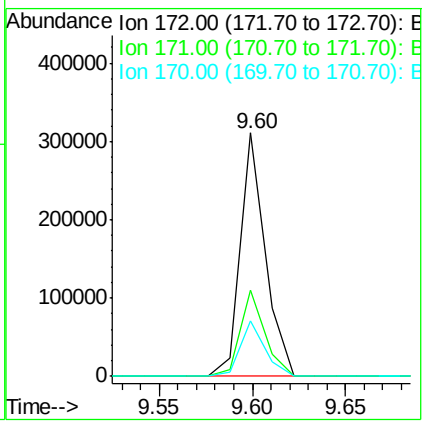


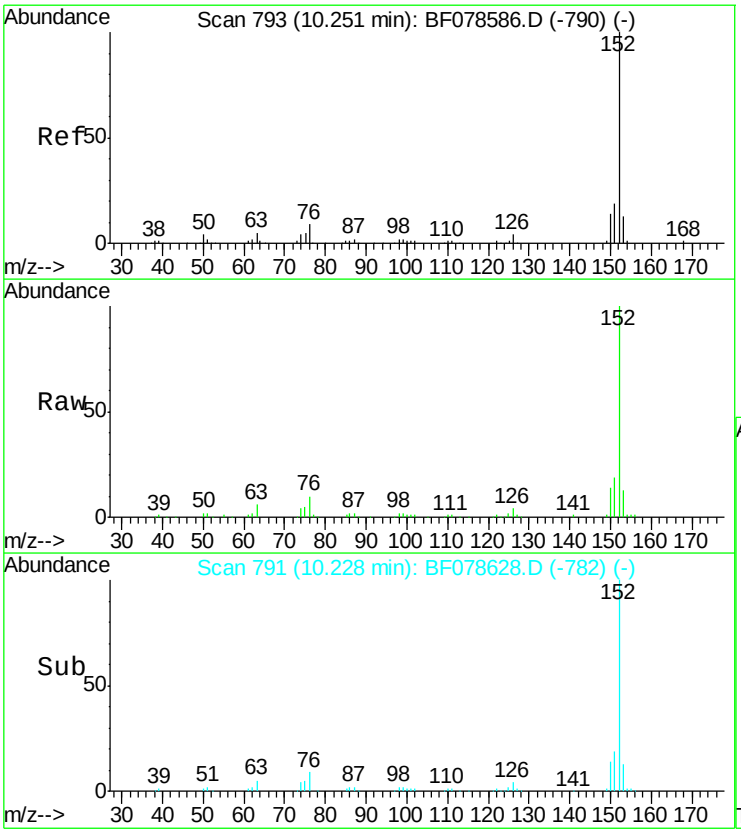
#44
2-Fluorobiphenyl
Concen: 48.00 ng
RT: 9.60 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:172 Resp: 290172

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	22.9	18.5	27.7

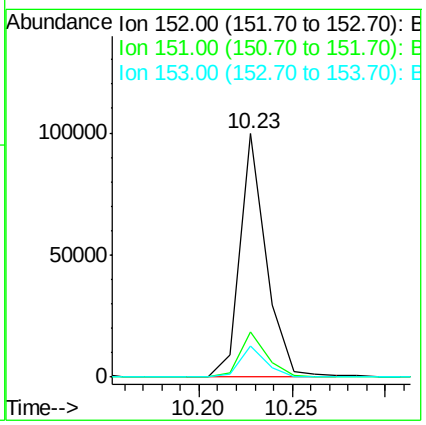


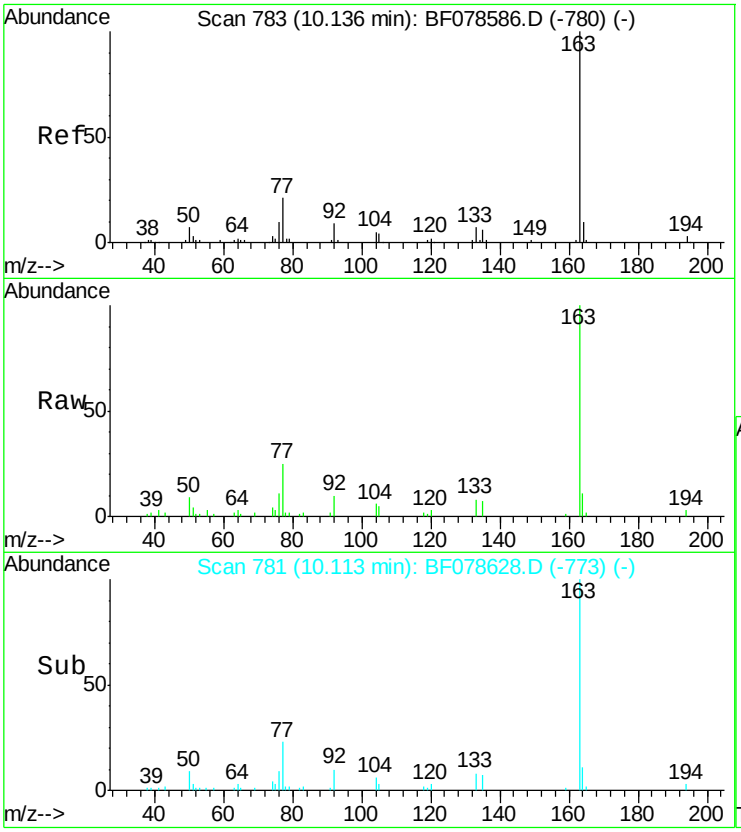


#48
Acenaphthylene
Concen: 10.85 ng
RT: 10.23 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:152 Resp: 97465

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.7	23.5
153	12.9	10.2	15.2



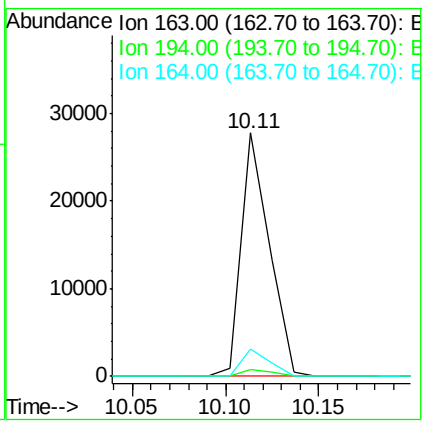


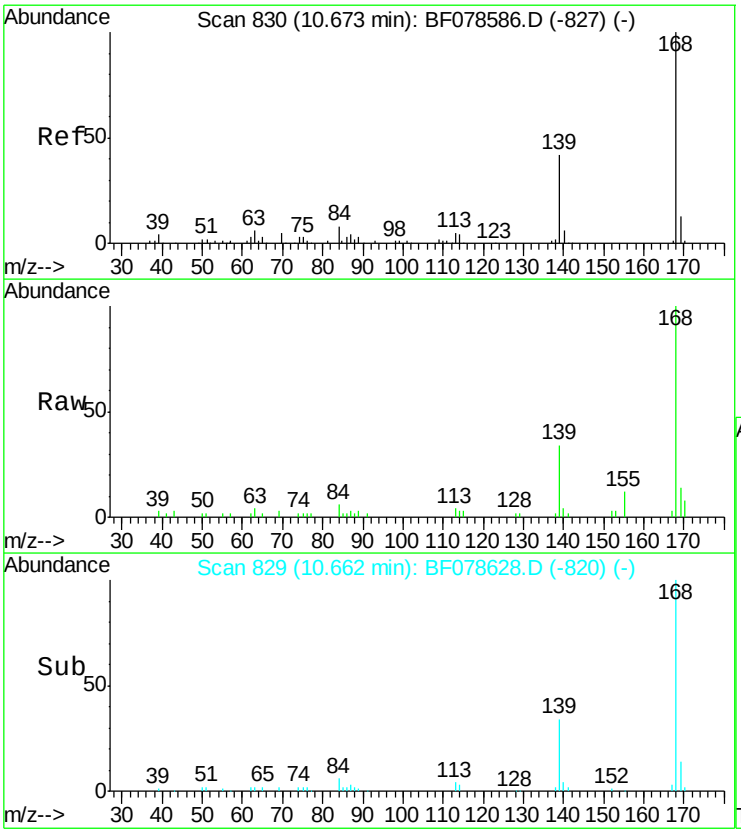
#49
Dimethylphthalate
Concen: 4.49 ng
RT: 10.11 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:163 Resp: 29145

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.3	3.5
164	11.2	8.6	13.0

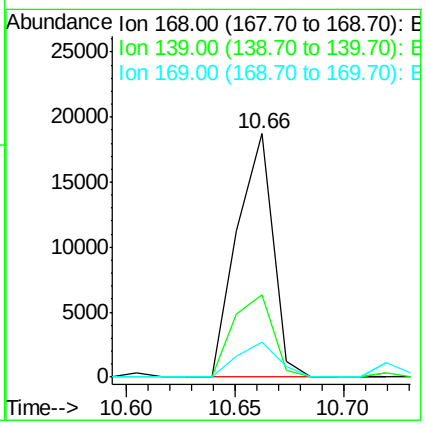


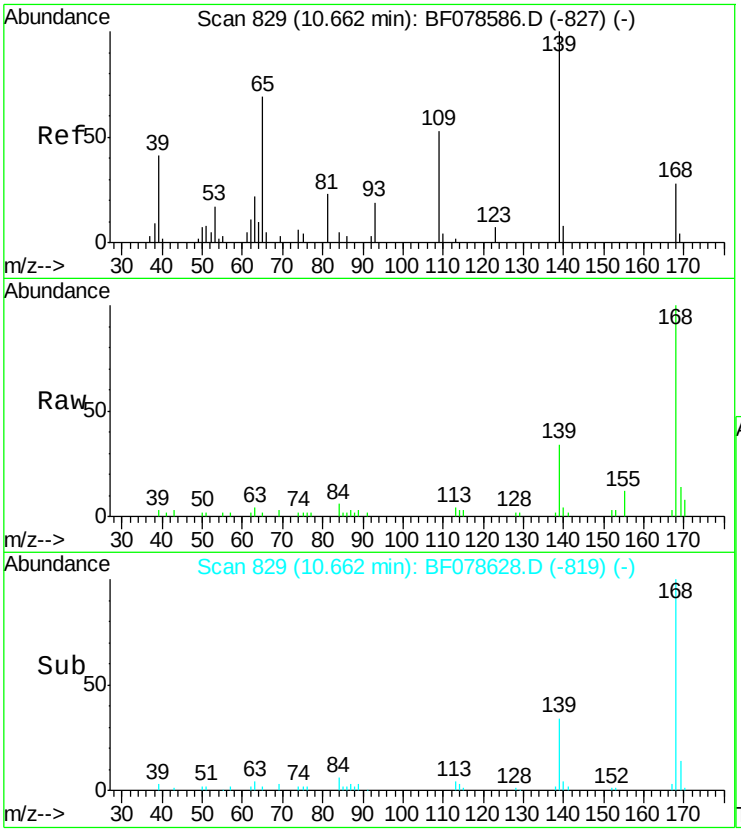


#54
Dibenzofuran
Concen: 2.77 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:168 Resp: 21376

Ion	Ratio	Lower	Upper
168	100		
139	33.7	31.0	46.4
169	14.4	10.7	16.1



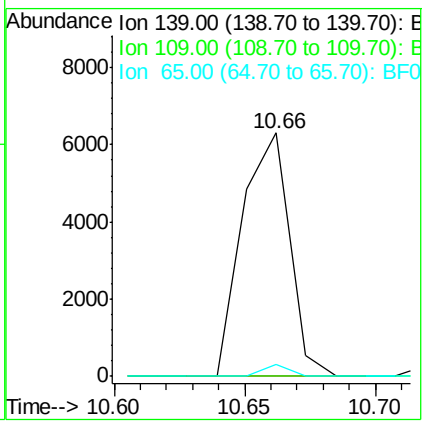


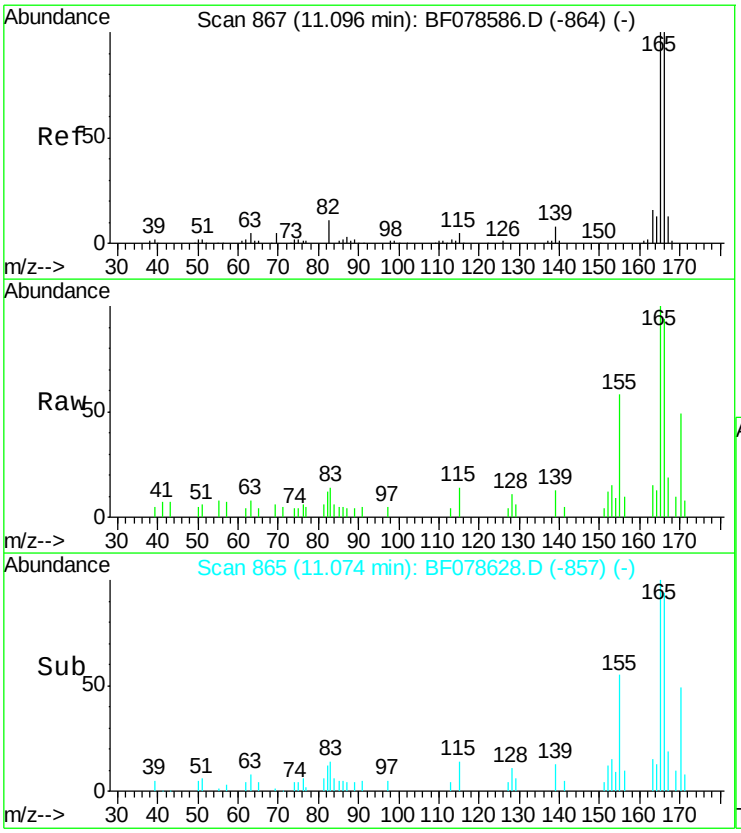
#55
4-Nitrophenol
Concen: 9.69 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:139 Resp: 8021

Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.7	76.7#
65	4.9	49.9	89.9#

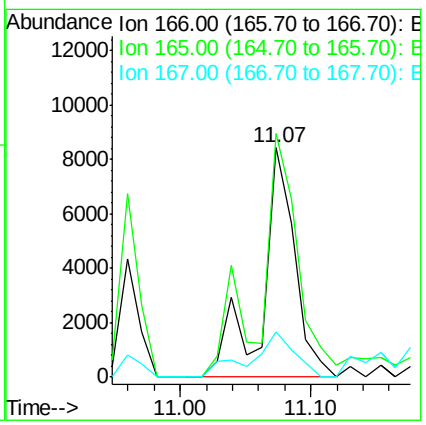


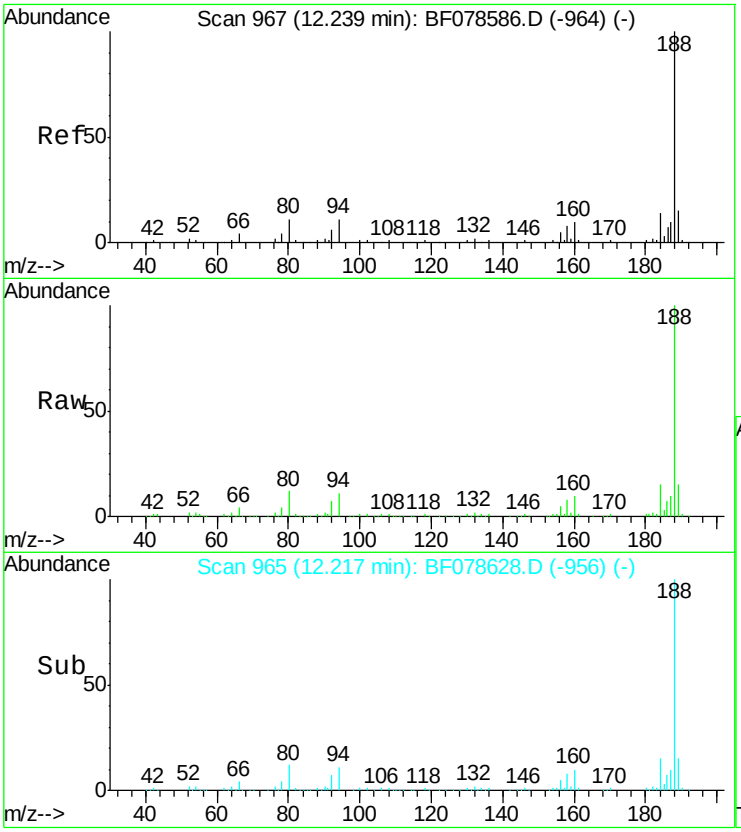


#57
Fluorene
Concen: 2.36 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:166 Resp: 14749

Ion	Ratio	Lower	Upper
166	100		
165	106.3	78.9	118.3
167	19.9	10.7	16.1#



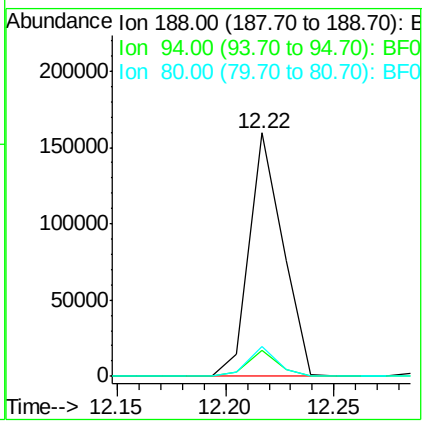


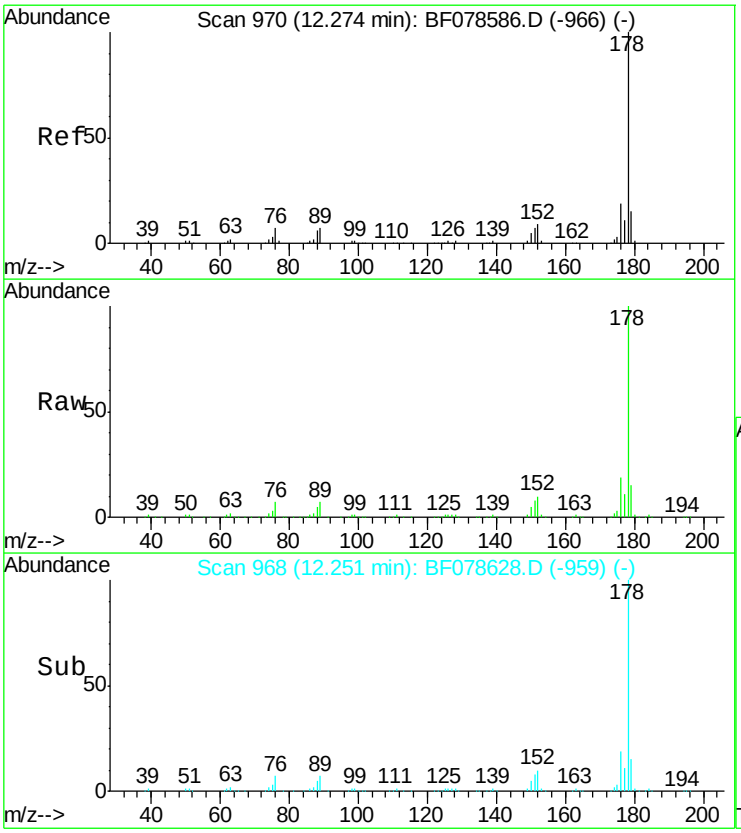
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:188 Resp: 172556

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.4
80	12.3	9.5	14.3

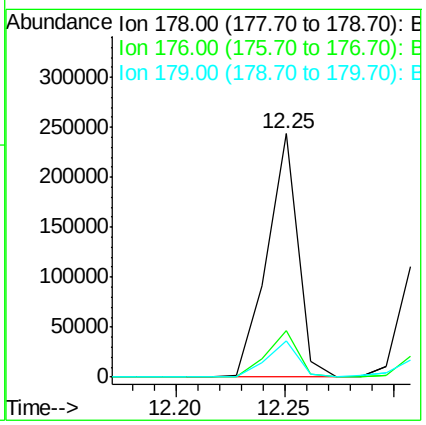


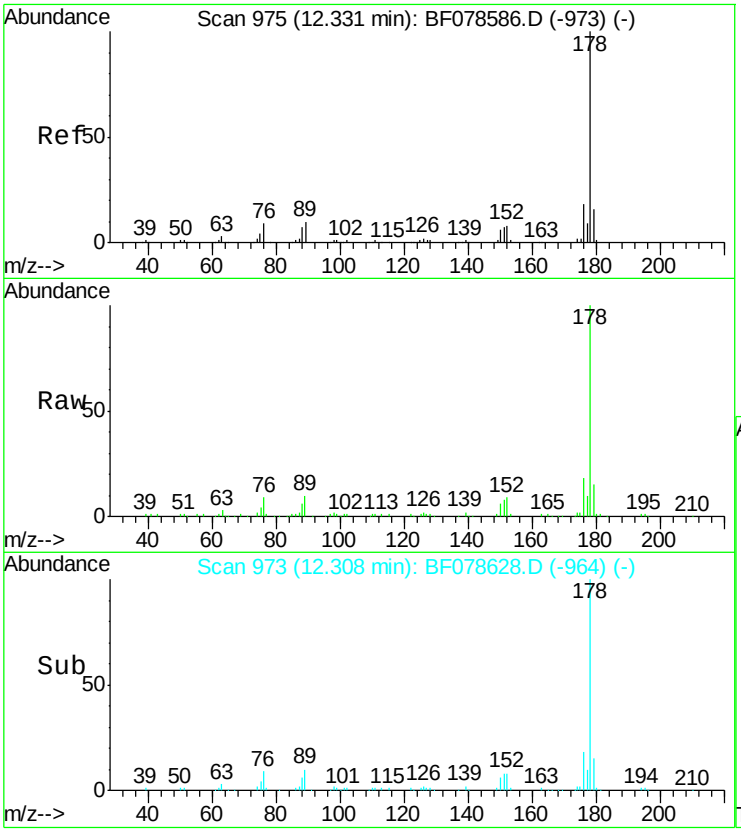


#70
Phenanthrene
Concen: 24.32 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:178 Resp: 242744

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	14.8	12.2	18.2



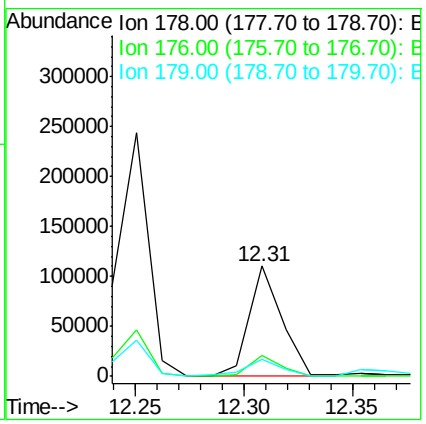


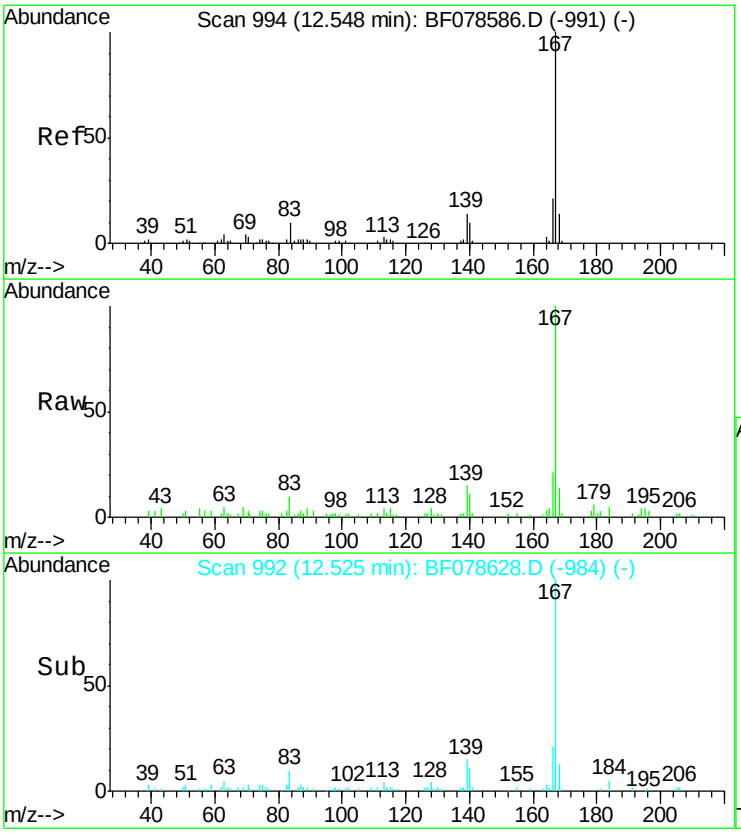
#71
Anthracene
Concen: 11.57 ng
RT: 12.31 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:178 Resp: 113772

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.4	18.6

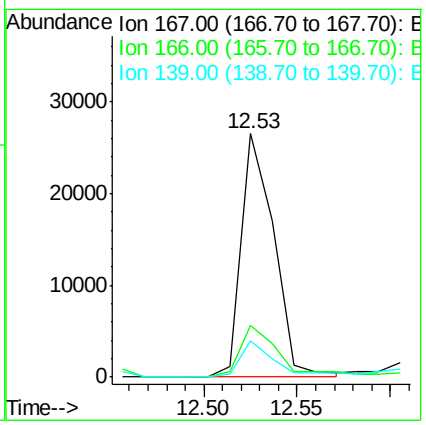


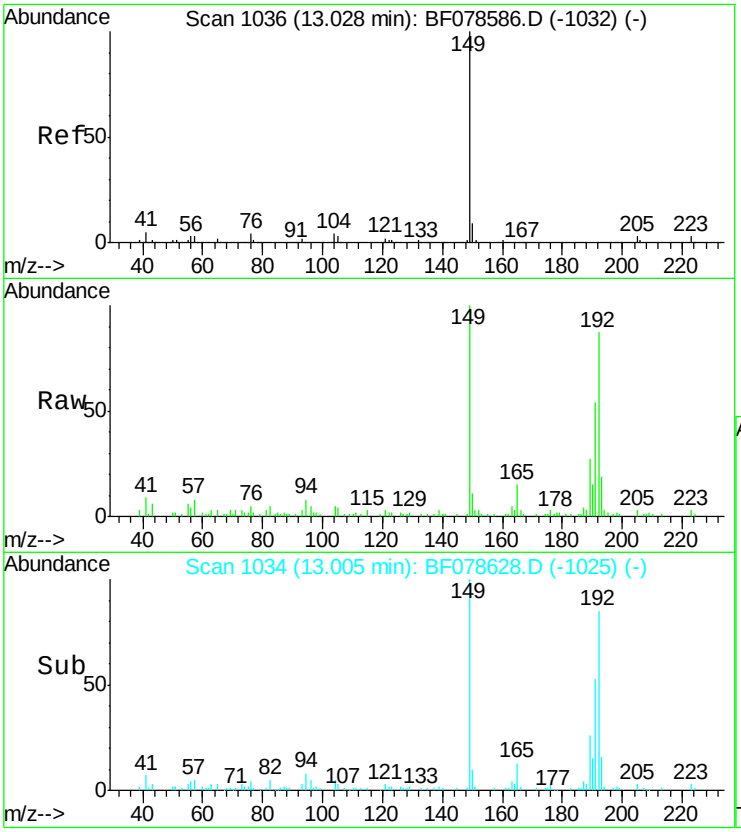


#72
Carbazole
Concen: 3.51 ng
RT: 12.53 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:167 Resp: 32327

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.8	25.2
139	14.8	10.0	15.0



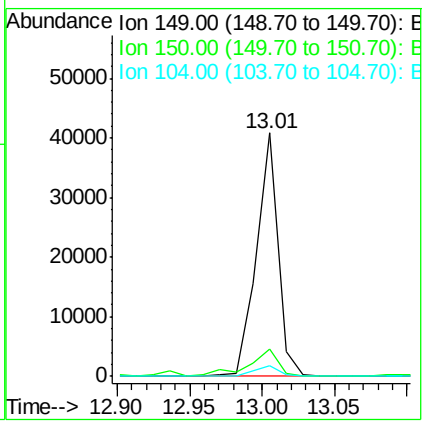


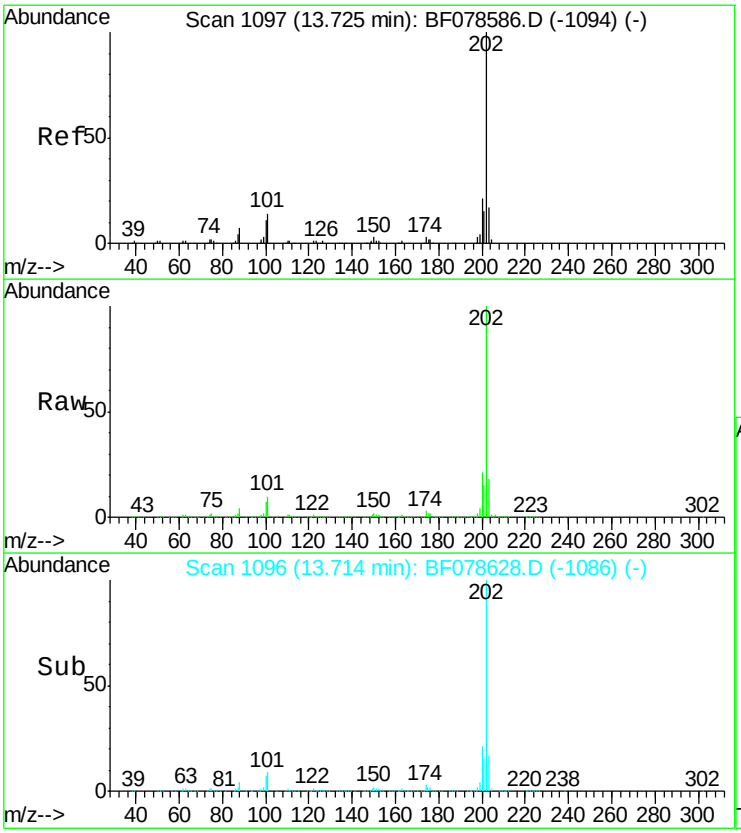
#73
Di-n-butylphthalate
Concen: 4.05 ng
RT: 13.01 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:149 Resp: 42310

Ion	Ratio	Lower	Upper
149	100		
150	11.2	7.1	10.7#
104	4.6	3.8	5.6

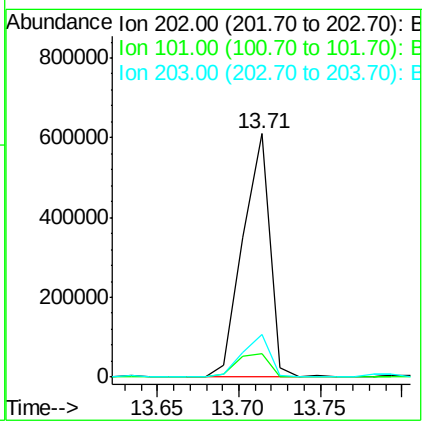


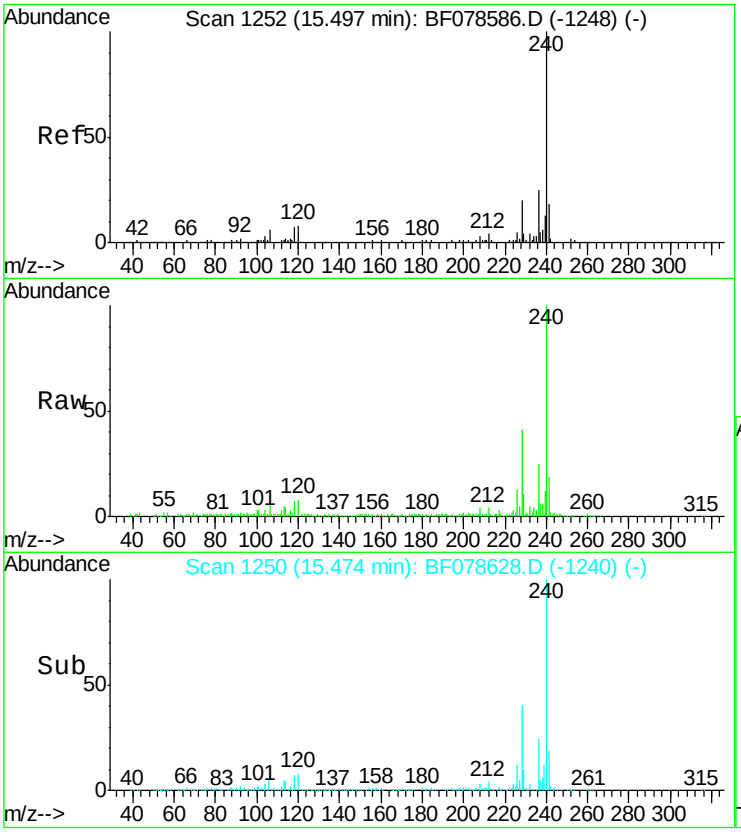


#74
Fluoranthene
Concen: 66.61 ng
RT: 13.71 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:202 Resp: 701191

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	35.2
203	17.6	0.0	38.5



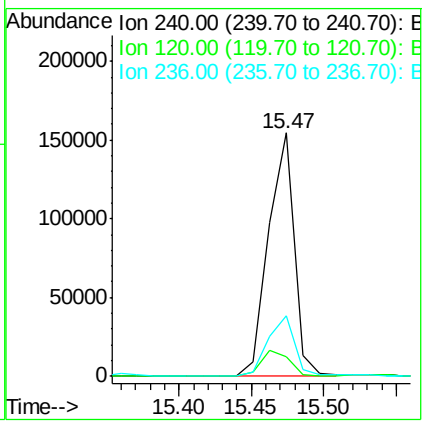


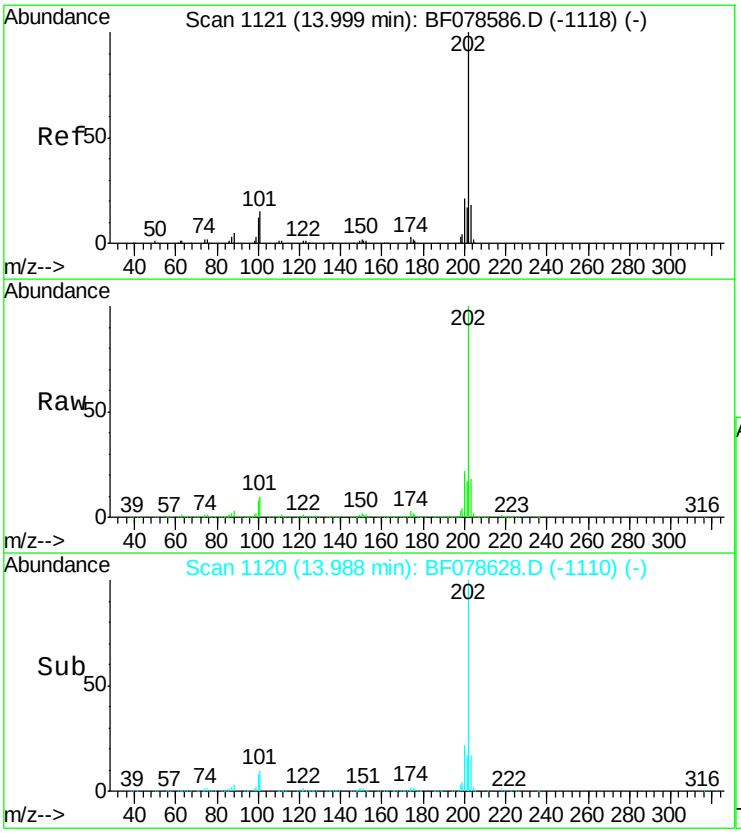
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:240 Resp: 188710

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.1	10.7
236	24.8	21.4	32.2

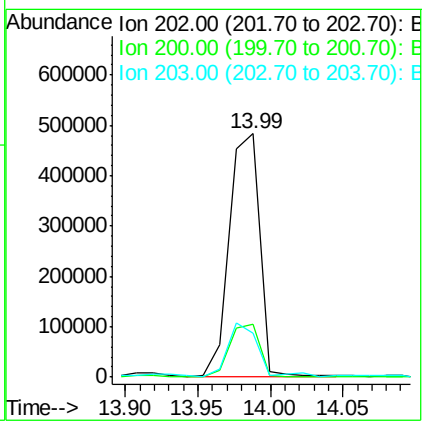


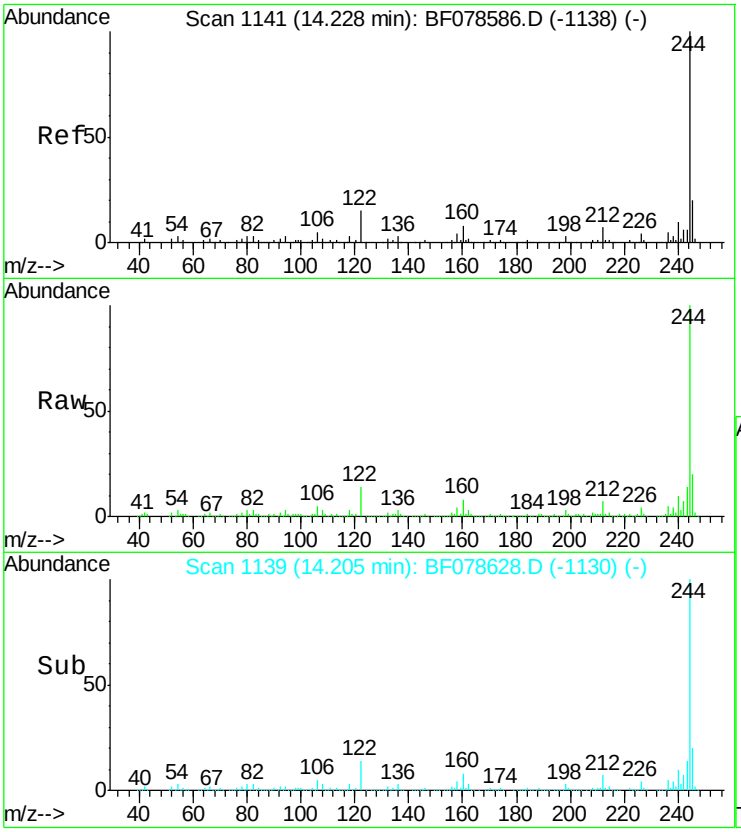


#77
Pyrene
Concen: 58.83 ng
RT: 13.99 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:202 Resp: 696940

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.3	24.5
203	18.0	13.8	20.6



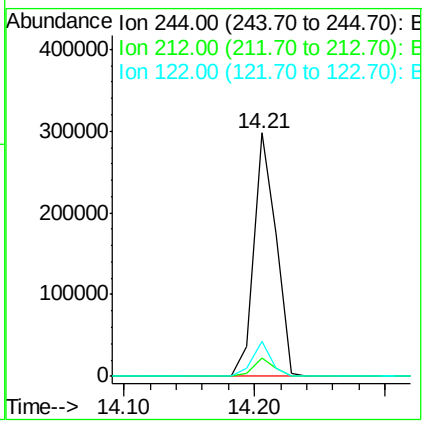


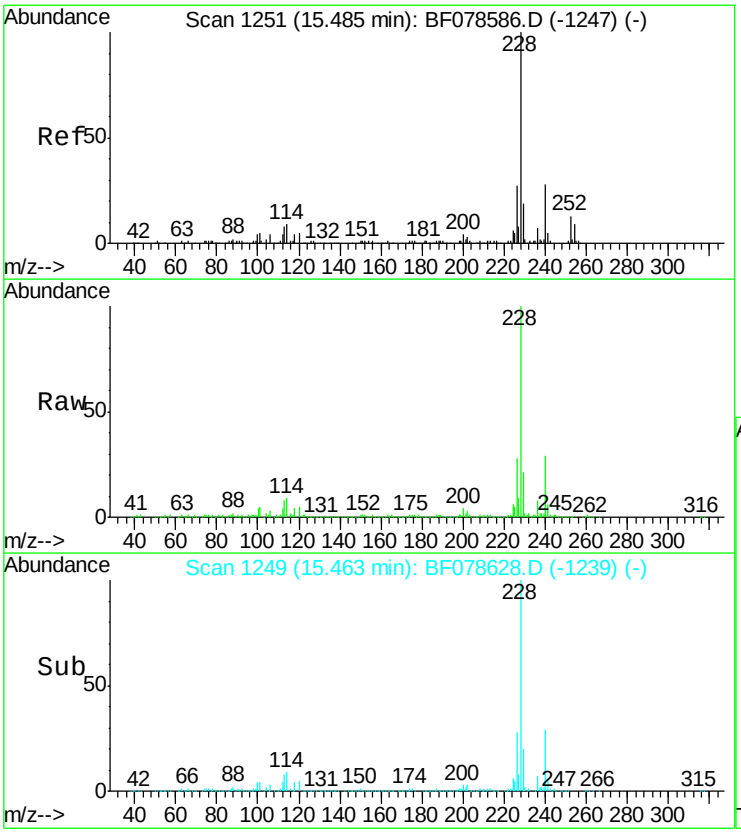
#78
Terphenyl-d14
Concen: 42.24 ng
RT: 14.21 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:244 Resp: 352762

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.0	7.4
122	14.4	7.1	10.7#

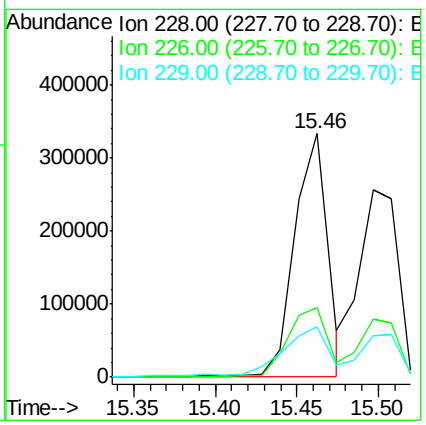


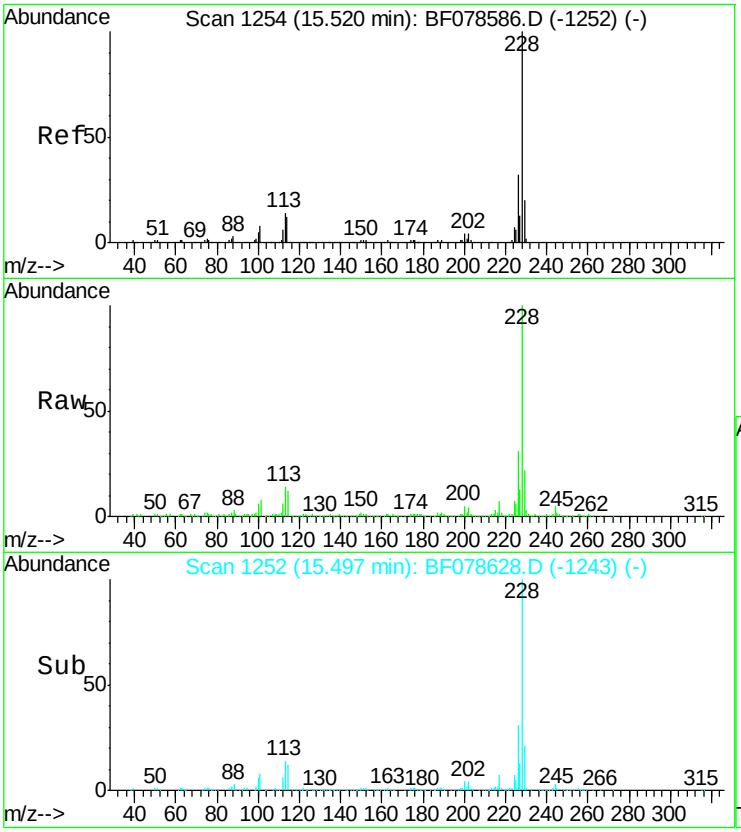


#80
Benzo(a)anthracene
Concen: 41.53 ng
RT: 15.46 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:228 Resp: 466292

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.3	31.9
229	20.8	15.4	23.2



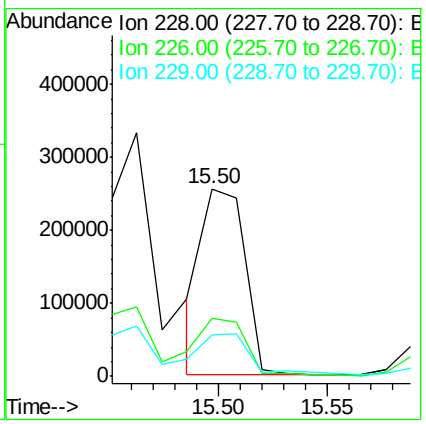


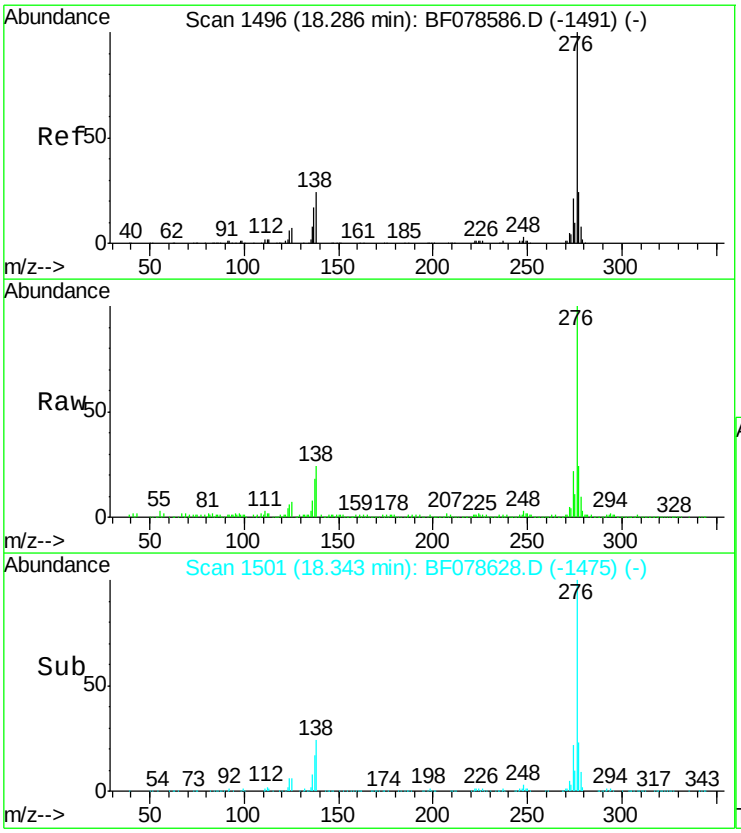
#82
Chrysene
Concen: 32.91 ng
RT: 15.50 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:228 Resp: 347139

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	22.1	15.8	23.8

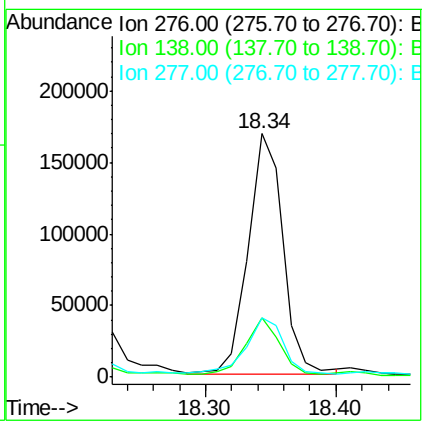


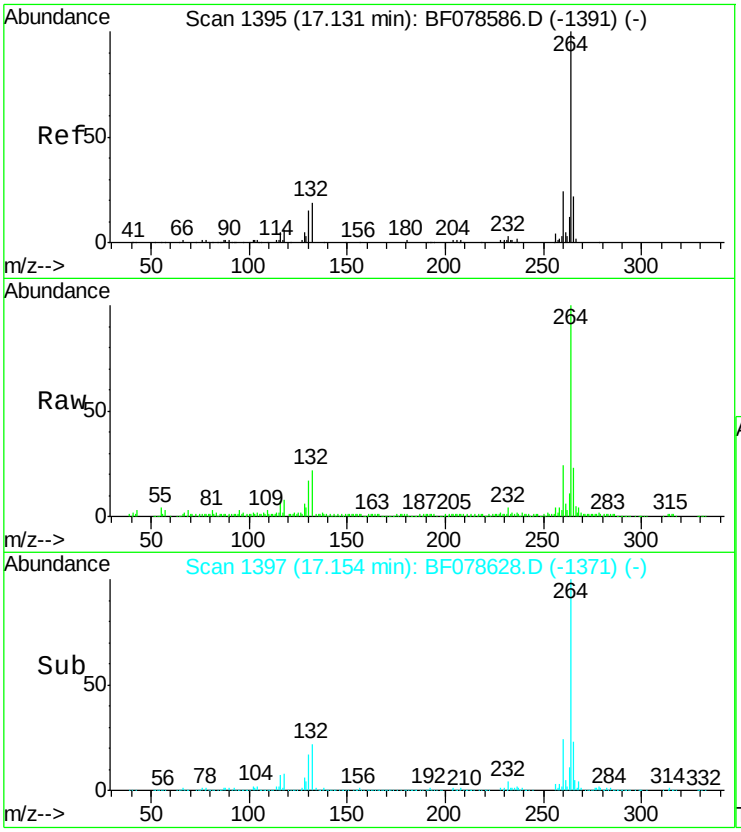


#85
Indeno(1,2,3-cd)pyrene
Concen: 26.15 ng
RT: 18.34 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:276 Resp: 312992

Ion	Ratio	Lower	Upper
276	100		
138	23.9	16.9	25.3
277	25.6	15.8	23.6#



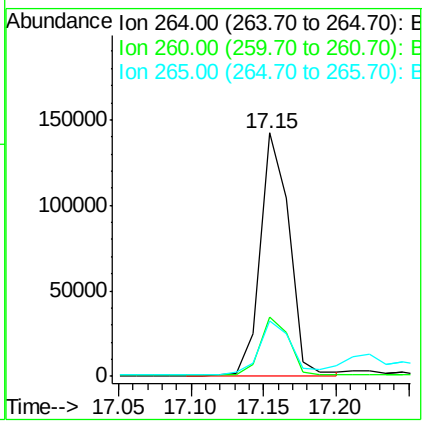


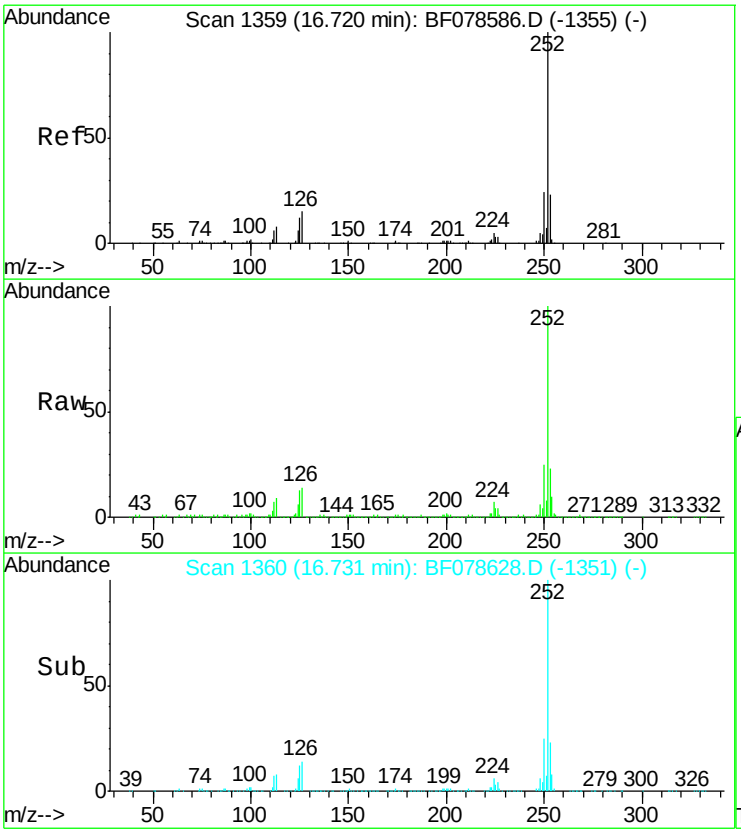
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:264 Resp: 194742

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.8	17.0	25.6

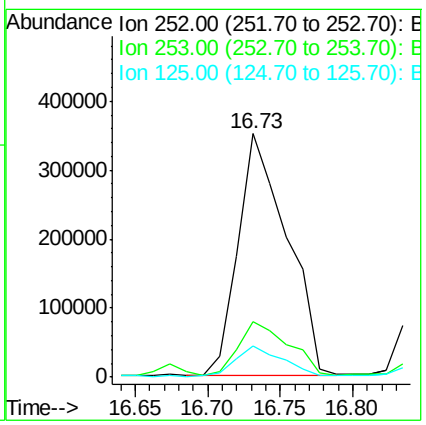


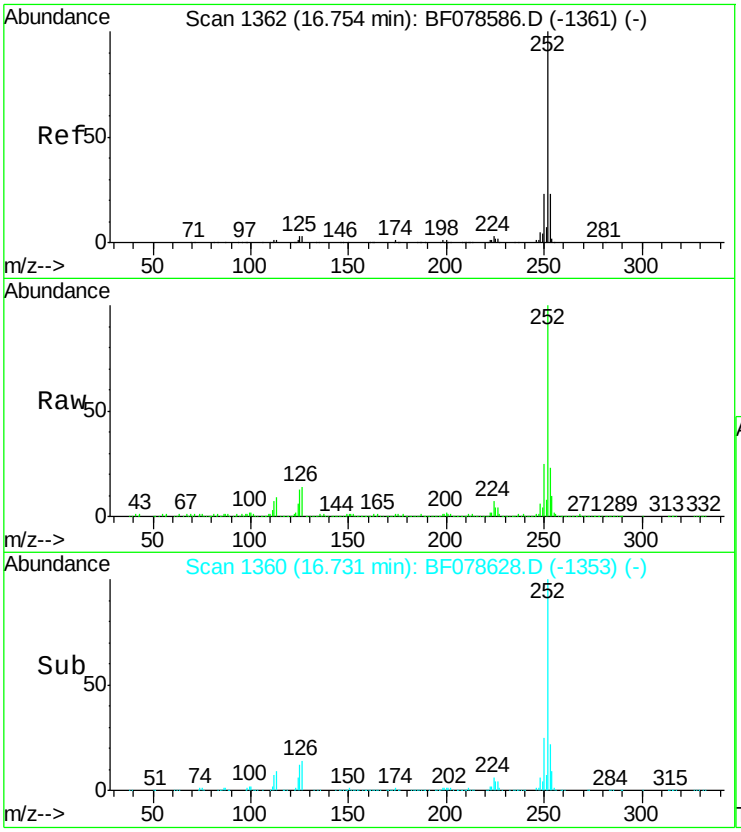


#87
Benzo(b)fluoranthene
Concen: 68.22 ng
RT: 16.73 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:252 Resp: 821107

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.6	7.0	10.4#



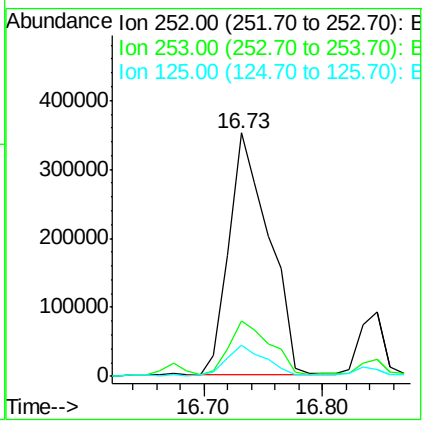


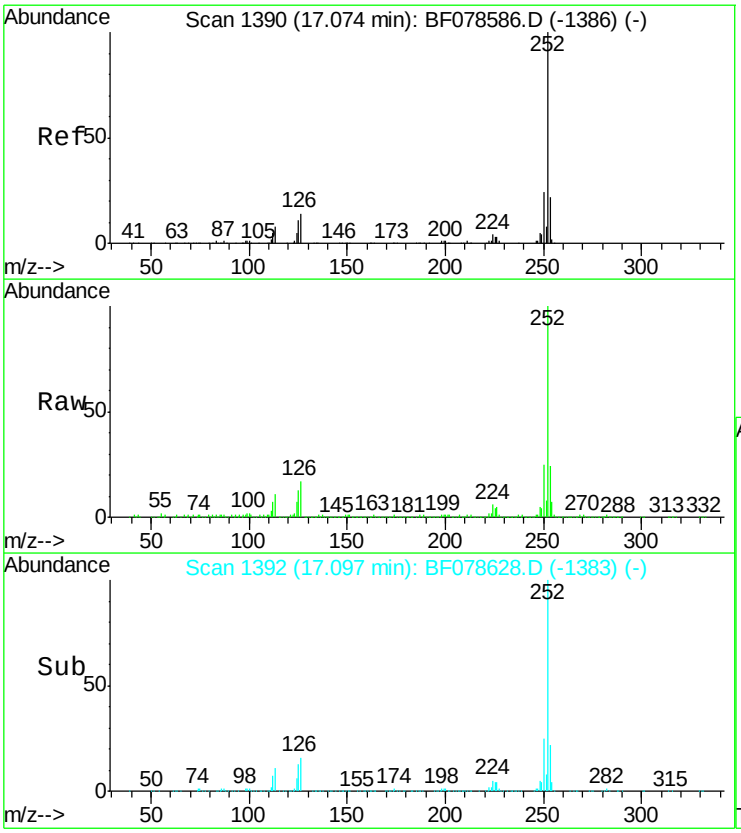
#88
Benzo(k)fluoranthene
Concen: 76.98 ng
RT: 16.73 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:252 Resp: 823346

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.6	11.6	17.4

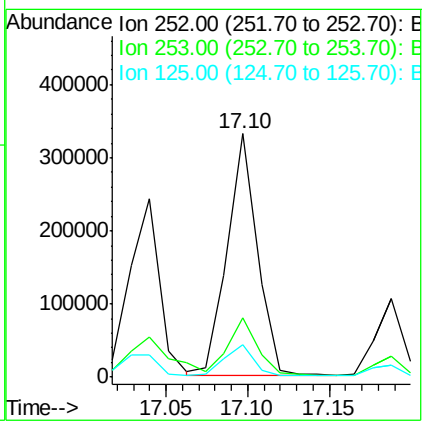


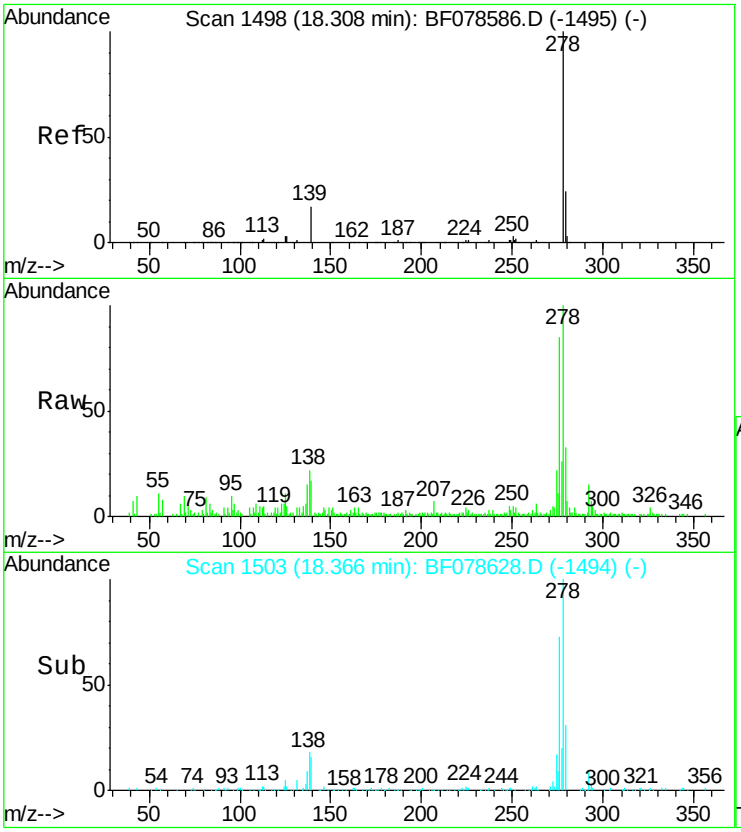


#89
Benzo(a)pyrene
Concen: 39.69 ng
RT: 17.10 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:252 Resp: 416934

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.8	25.2
125	13.4	7.4	11.0#



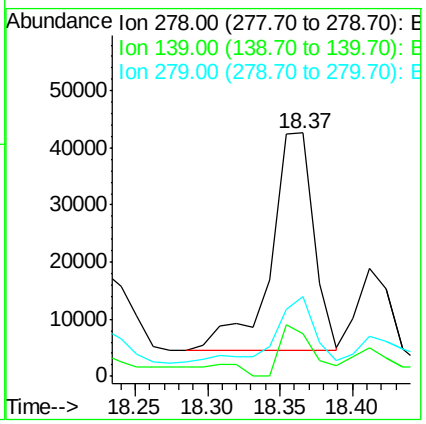


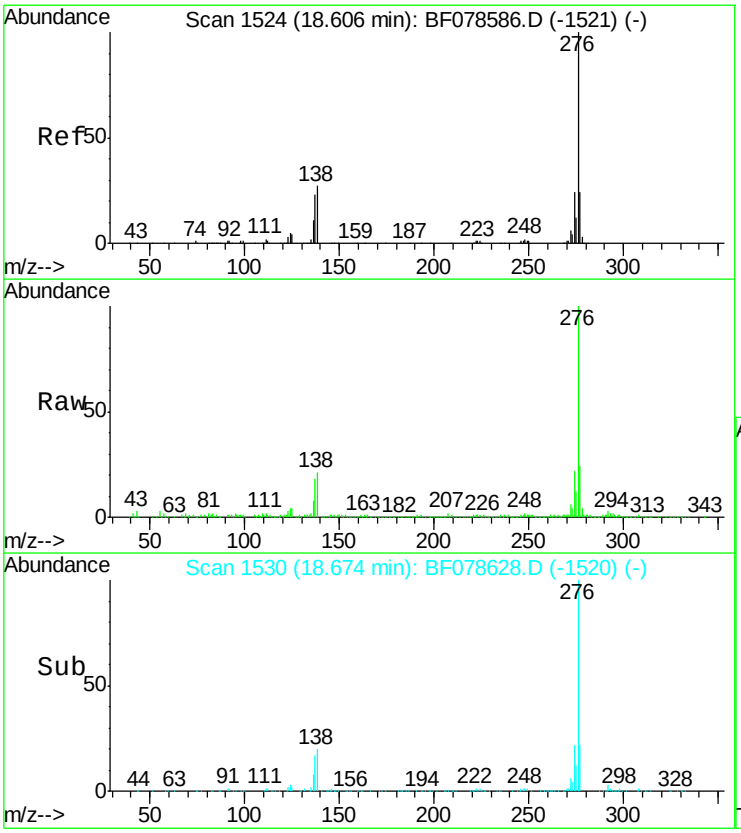
#90
Dibenzo(a,h)anthracene
Concen: 7.42 ng
RT: 18.37 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tgt Ion:278 Resp: 77991

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.6	20.4
279	32.9	19.0	28.6#





#91
Benzo(g,h,i)perylene
Concen: 26.99 ng
RT: 18.67 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion:276 Resp: 284533

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	21.2	19.9	29.9