Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093204.D
Acq On : 27 Feb 2017 13:04
Operator : SJ/MA
Sample : I1973-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-GG9-BASE

Quant Time: Feb 27 13:31:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	156461	20.00	ng		-0.02
21) Naphthalene-d8	8.12	136	607228	20.00	ng		-0.02
38) Acenaphthene-d10	9.88	164	251375	20.00	ng		-0.01
63) Phenanthrene-d10	11.38	188	403321	20.00	ng		0.00
75) Chrysene-d12	14.02	240	264326	20.00	ng		0.00
86) Perylene-d12	15.46	264	328304	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	896230	98.27	ng		-0.02
7) Phenol-d6	6.48	99	1129714	96.28	ng		-0.01
23) Nitrobenzene-d5	7.40	82	821742	75.36	ng		-0.02
41) 2,4,6-Tribromophenol	10.68	330	199186	109.56	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	1161644	83.72	ng		-0.01
78) Terphenyl-d14	12.96	244	640457	56.93	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.49	94	77860	5.67	ng		78
19) n-Nitroso-di-n-propylamine	7.40	70	111602	14.94	ng	#	79
25) Isophorone	7.40	82	607042	29.88	ng	#	65
31) Naphthalene	8.14	128	176983	5.75	ng		98
32) Benzoic acid	7.93	122	4634	7.91	ng	#	20
37) 2-Methylnaphthalene	8.93	142	102780	5.20	ng		97
45) 1,1'-Biphenyl	9.30	154	37373	2.05	ng		95
48) Acenaphthylene	9.74	152	190683	7.75	ng		98
49) Dimethylphthalate	9.61	163	186914	11.04	ng		99
51) Acenaphthene	9.92	154	323631	22.01	ng		96
53) 2,4-Dinitrophenol	10.18	184	464	4.97	ng	#	1
54) Dibenzofuran	10.09	168	195192	9.92	ng	#	95
57) Fluorene	10.43	166	289884	19.16	ng		98
64) 4,6-Dinitro-2-methylphenol	10.69	198	1648	3.30	ng	#	1
65) n-Nitrosodiphenylamine	10.52	169	34026	2.64	ng	#	1
66) 4-Bromophenyl-phenylether	10.68	248	15107	3.59	ng	#	1
70) Phenanthrene	11.41	178	3544778	153.41	ng		100
71) Anthracene	11.45	178	984366	42.42	ng		99
72) Carbazole	11.61	167	384822	17.35	ng		98
74) Fluoranthene	12.60	202	3591442	150.68	ng		97
77) Pyrene	12.83	202	3374113	170.57	ng		98
80) Benzo(a)anthracene	14.01	228	2274198	140.67	ng		96
82) Chrysene	14.05	228	1668455	110.23	ng		96
85) Indeno(1,2,3-cd)pyrene	16.89	276	1200574	102.40	ng		98
87) Benzo(b)fluoranthene	15.06	252	3330753	154.14	ng		98
88) Benzo(k)fluoranthene	15.06	252	3330753	178.52	ng		98
89) Benzo(a)pyrene	15.41	252	1910917	102.23	ng		98
90) Dibenzo(a,h)anthracene	17.04	278	235481	15.59	ng		97
91) Benzo(g,h,i)perylene	17.31	276	1123264	73.60	ng	#	88

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093204.D
Acq On : 27 Feb 2017 13:04
Operator : SJ/MA
Sample : I1973-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Quant Time: Feb 27 13:31:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
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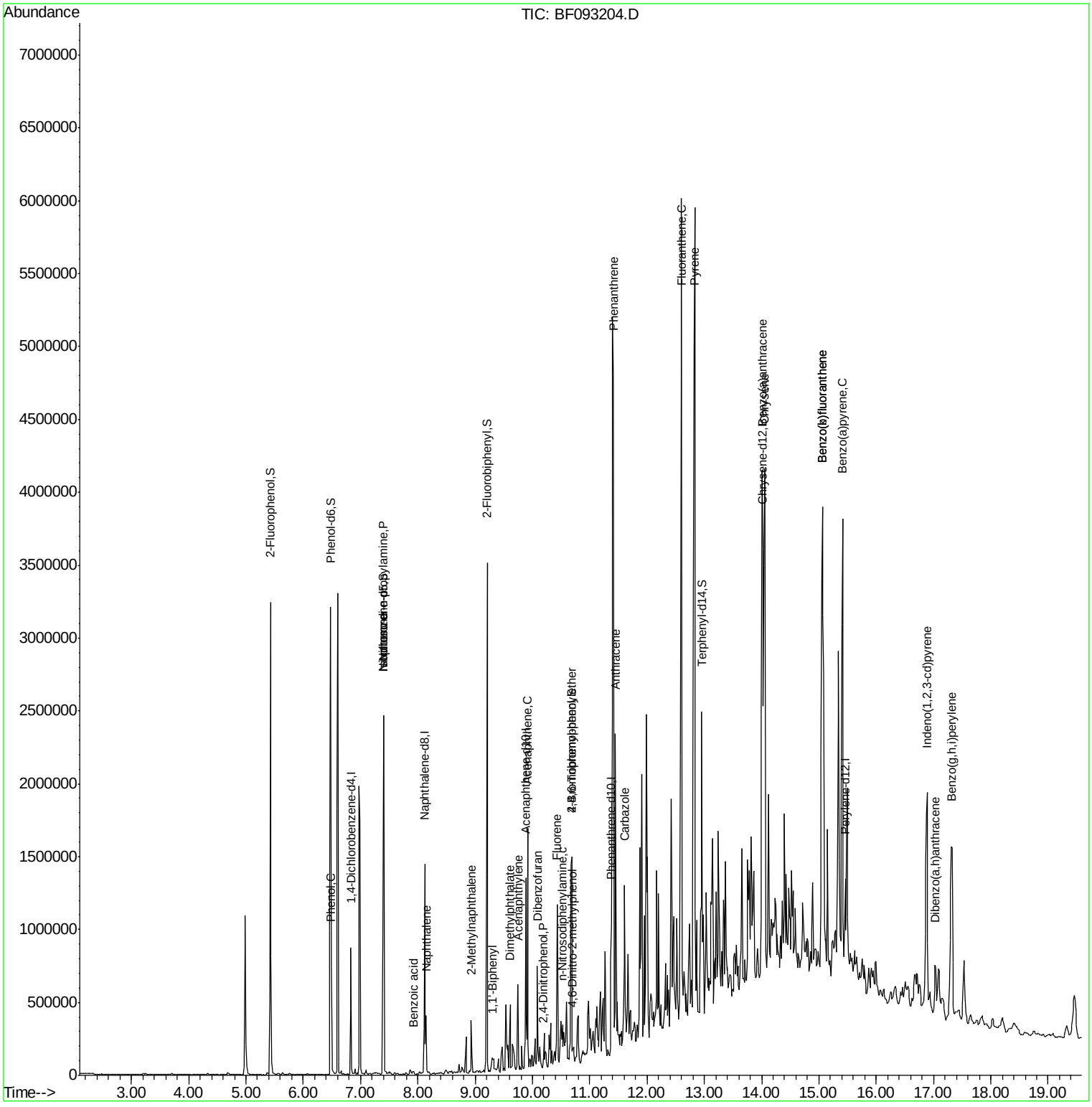
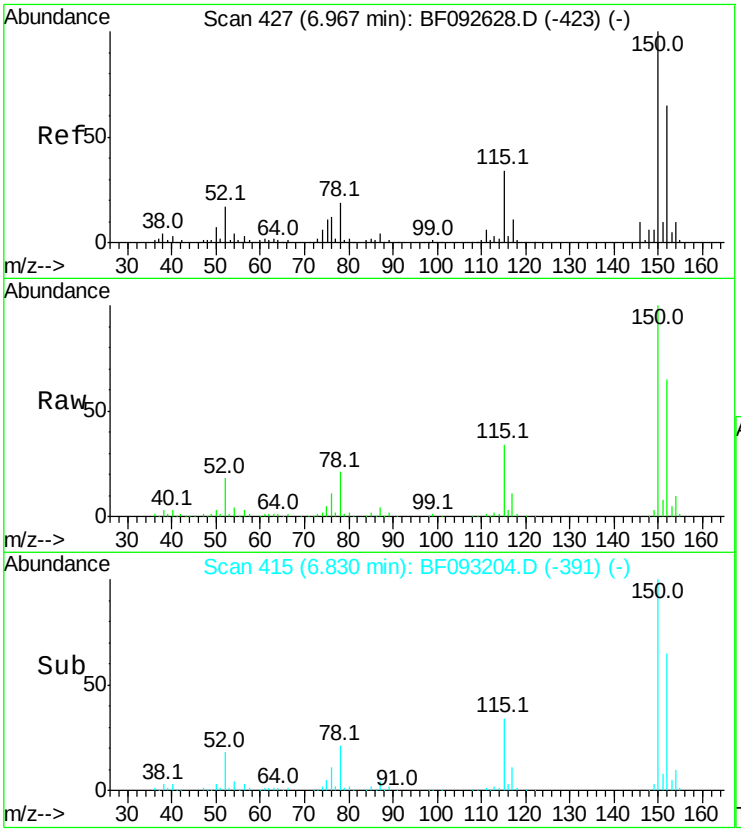


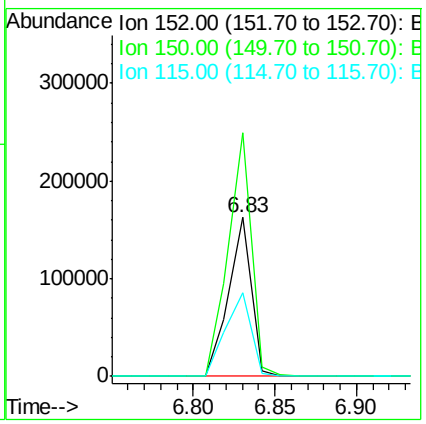


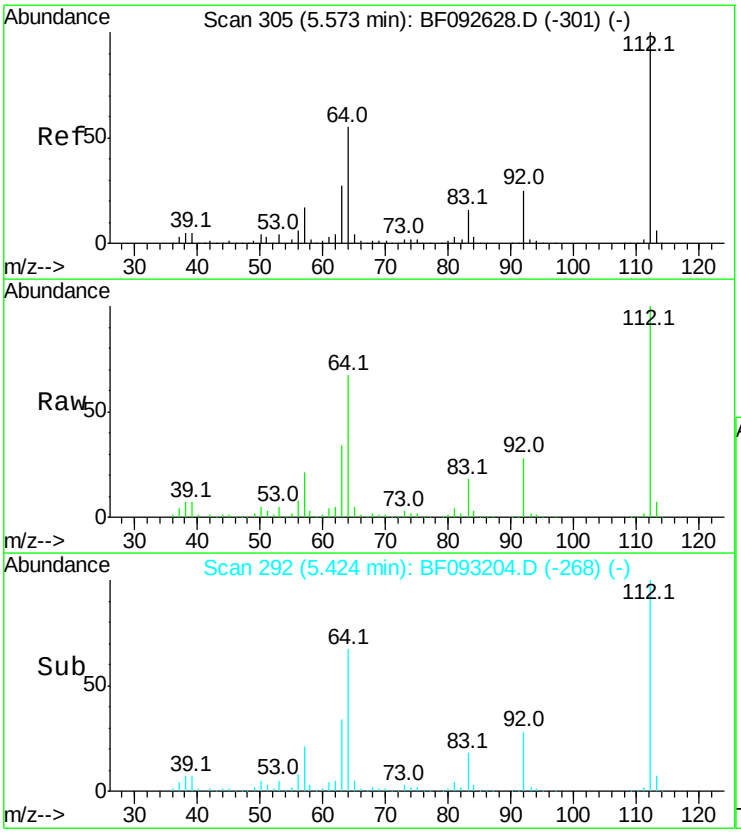
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:152 Resp: 156461

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	52.5	46.0	69.0

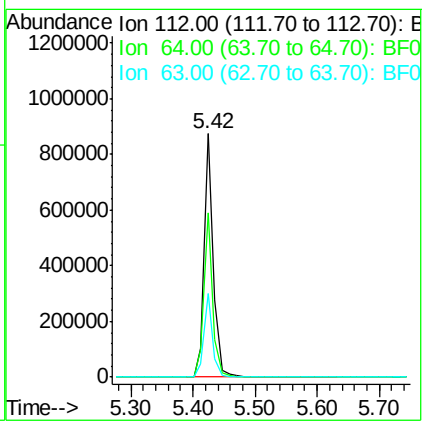


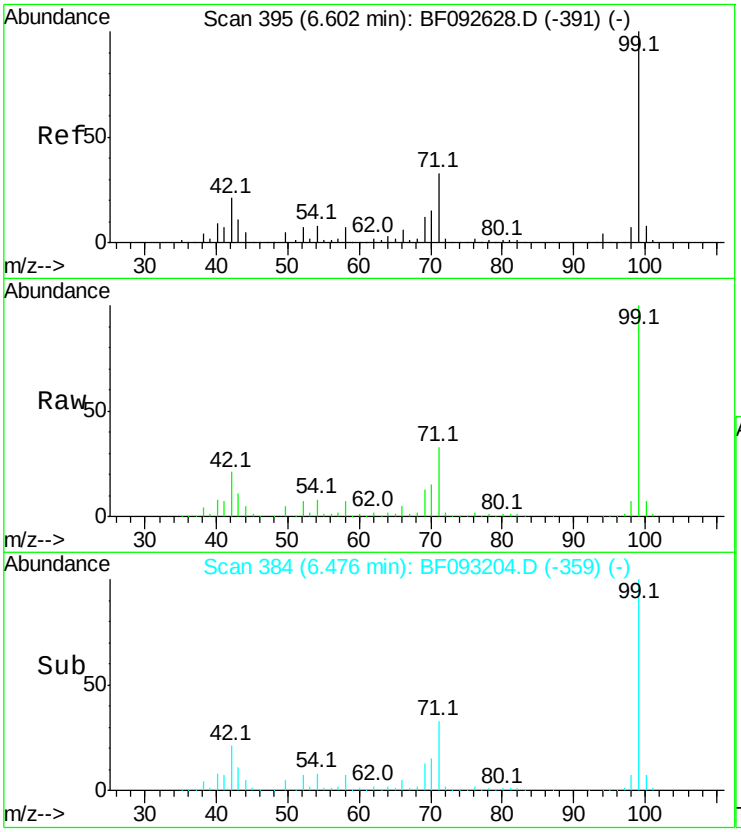


#5
2-Fluorophenol
Concen: 98.27 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:112 Resp: 896230

Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.1	69.1
63	34.3	23.8	35.6



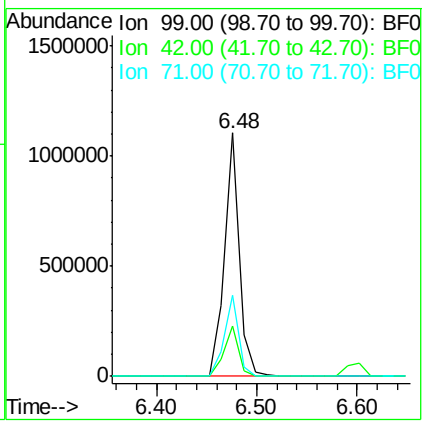


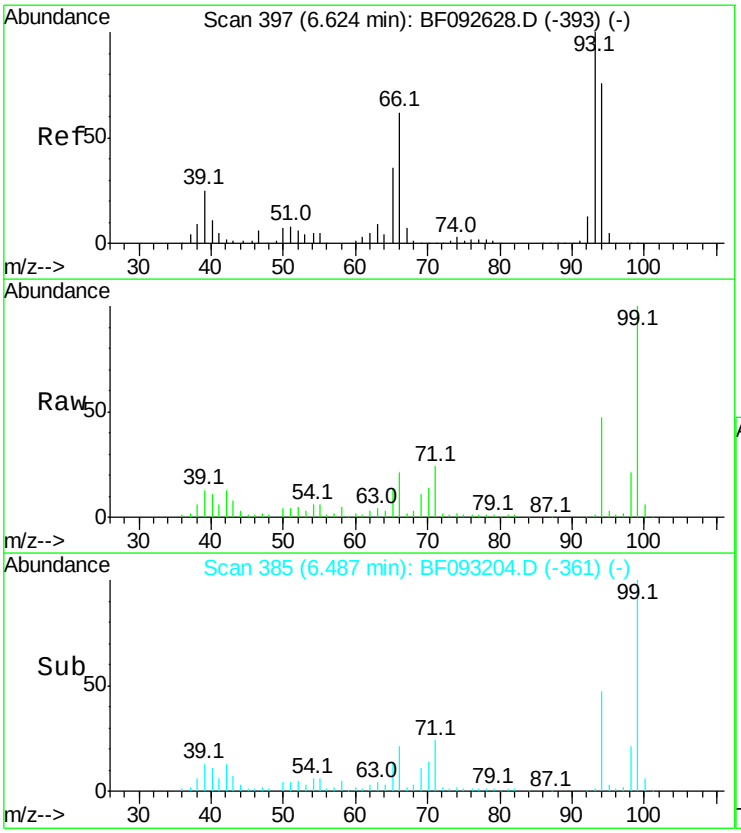
#7
Phenol-d6
Concen: 96.28 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion: 99 Resp: 1129714

Ion	Ratio	Lower	Upper
99	100		
42	20.9	15.6	23.4
71	33.1	27.5	41.3

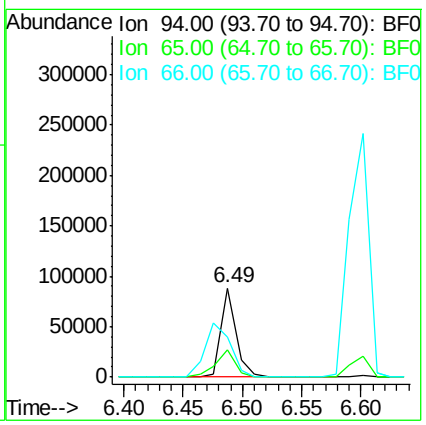


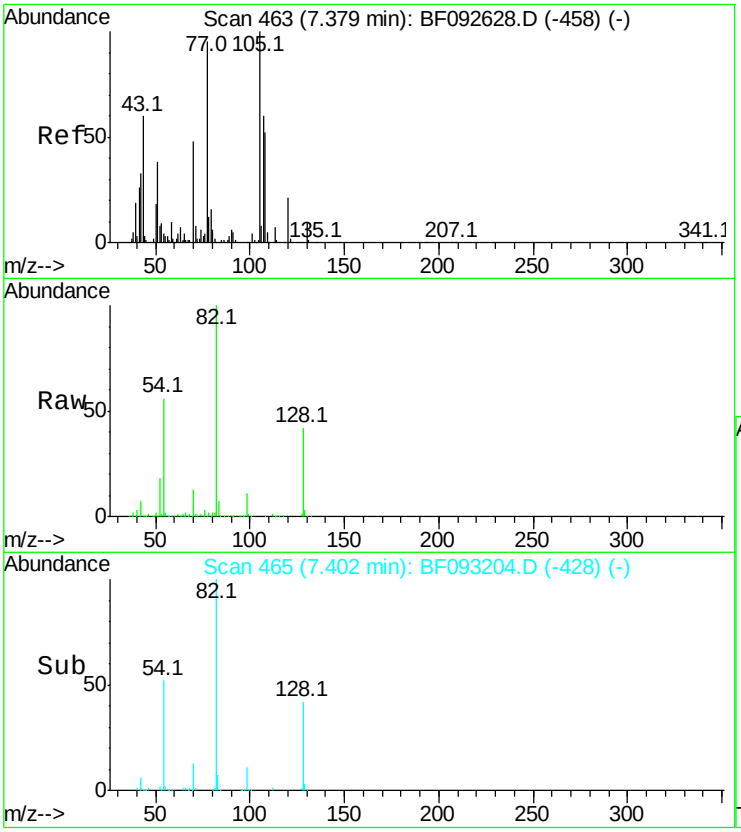


#10
Phenol
Concen: 5.67 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion: 94 Resp: 77860

Ion	Ratio	Lower	Upper
94	100		
65	30.3	21.4	61.4
66	44.5	44.0	84.0



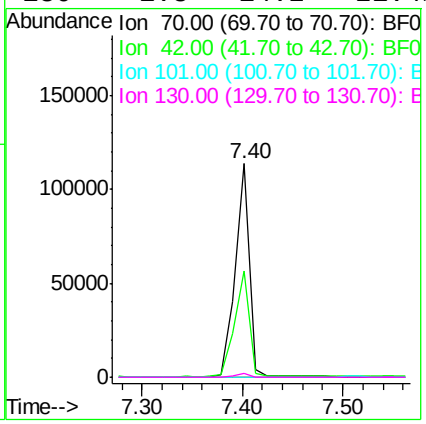


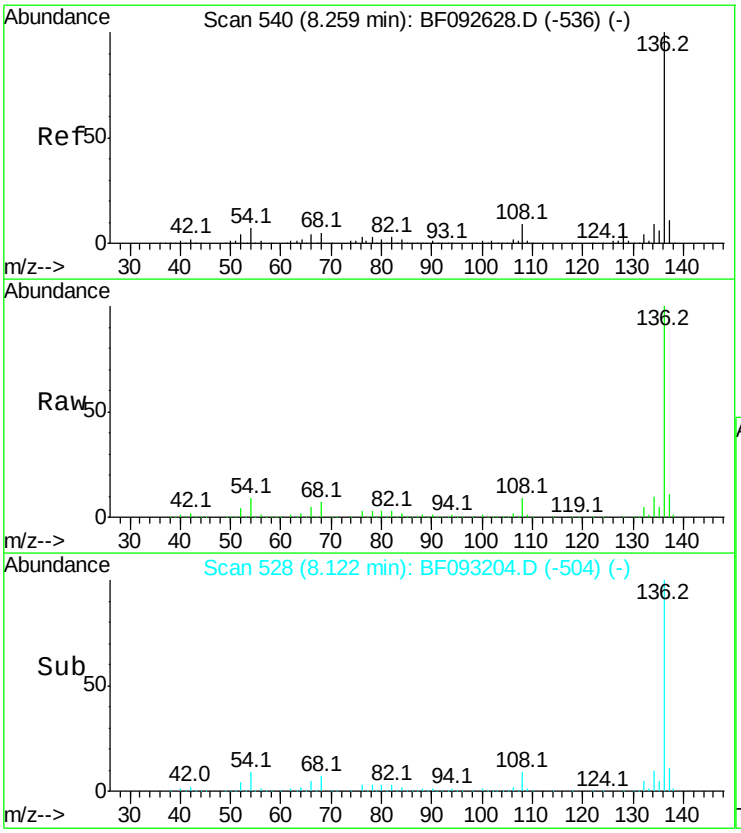
#19
n-Nitroso-di-n-propylamine
Concen: 14.94 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion: 70 Resp: 111602

Ion	Ratio	Lower	Upper
70	100		
42	49.7	49.4	74.0
101	0.0	7.4	11.2#
130	1.8	14.2	21.4#

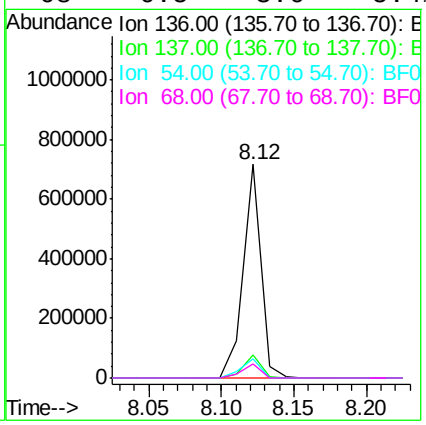


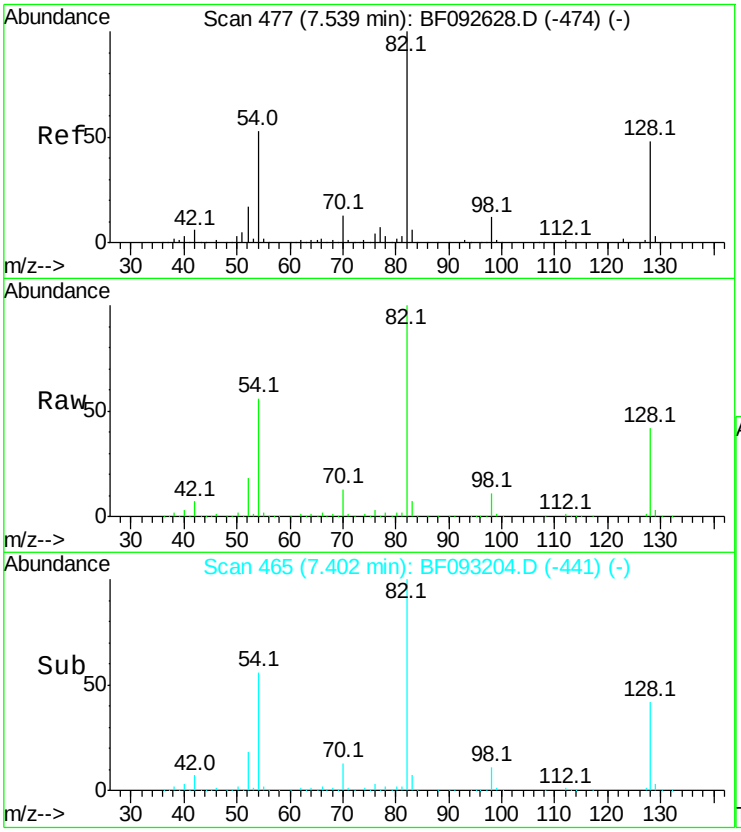


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:136 Resp: 607228

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.2	4.5	6.7#
68	6.5	3.6	5.4#



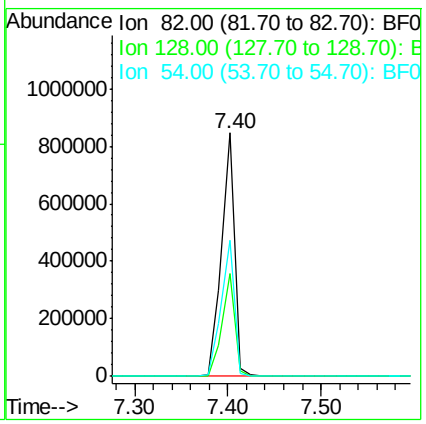


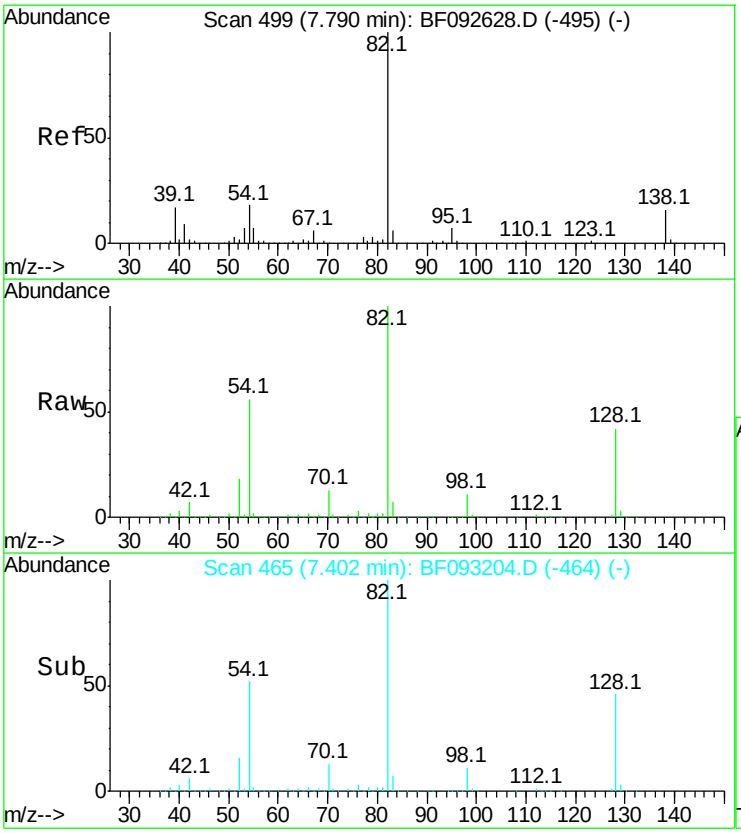
#23
Nitrobenzene-d5
Concen: 75.36 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion: 82 Resp: 821742

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	55.8	39.5	59.3

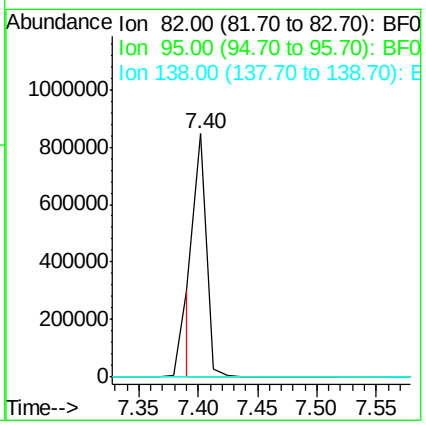


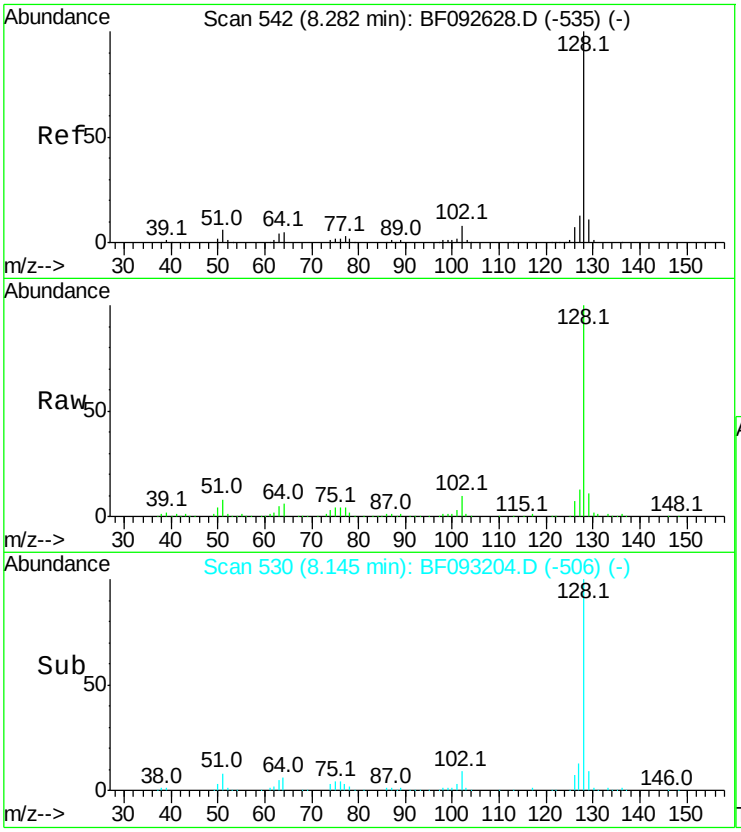


#25
Isophorone
Concen: 29.88 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.29 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion: 82 Resp: 607042

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



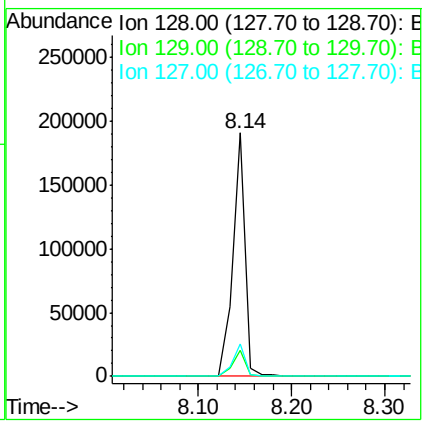


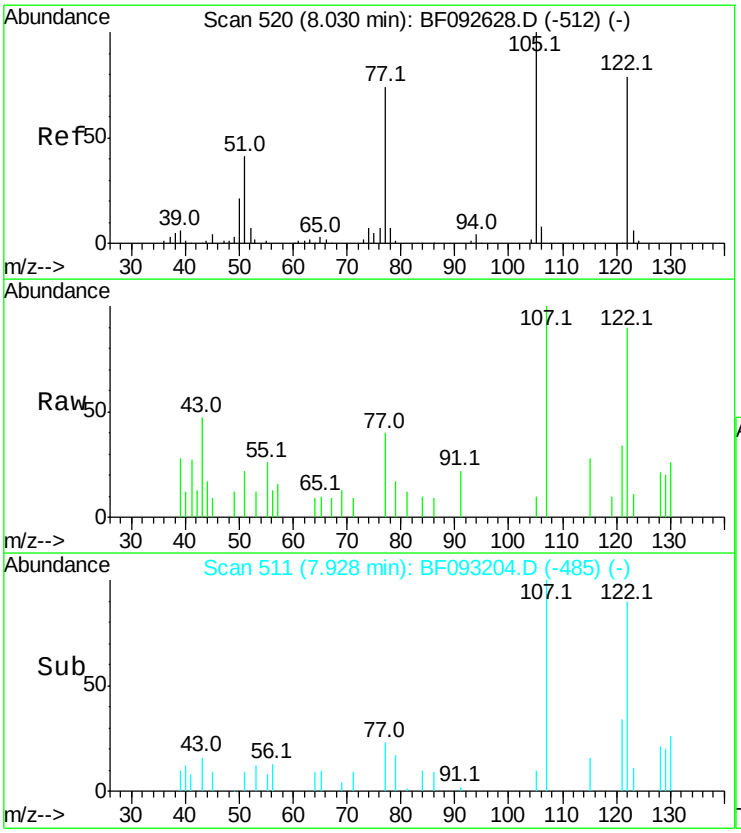
#31
Naphthalene
Concen: 5.75 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:128 Resp: 176983

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.5	14.3
127	13.2	10.8	16.2

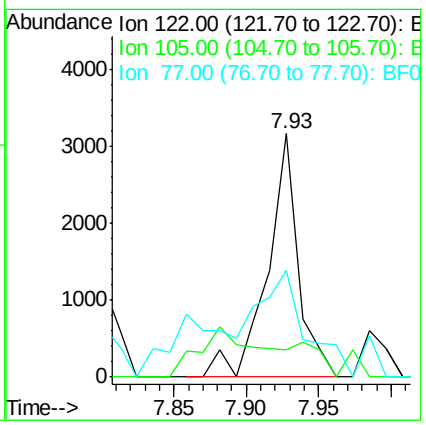


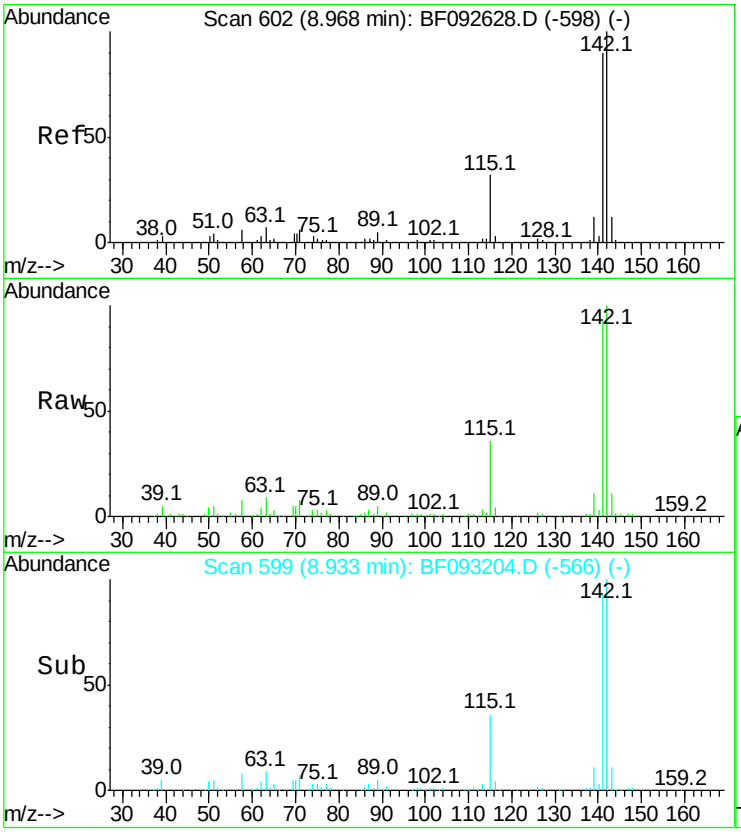


#32
Benzoic acid
Concen: 7.91 ng
RT: 7.93 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:122 Resp: 4634

Ion	Ratio	Lower	Upper
122	100		
105	11.1	107.2	147.2#
77	44.0	74.5	114.5#



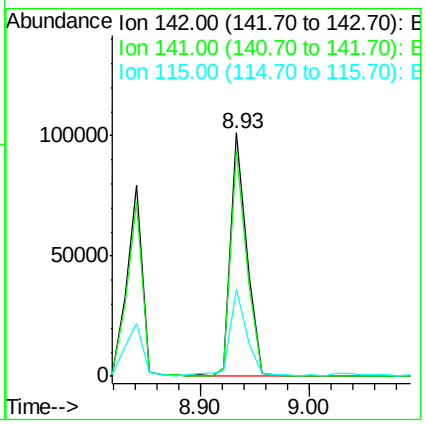


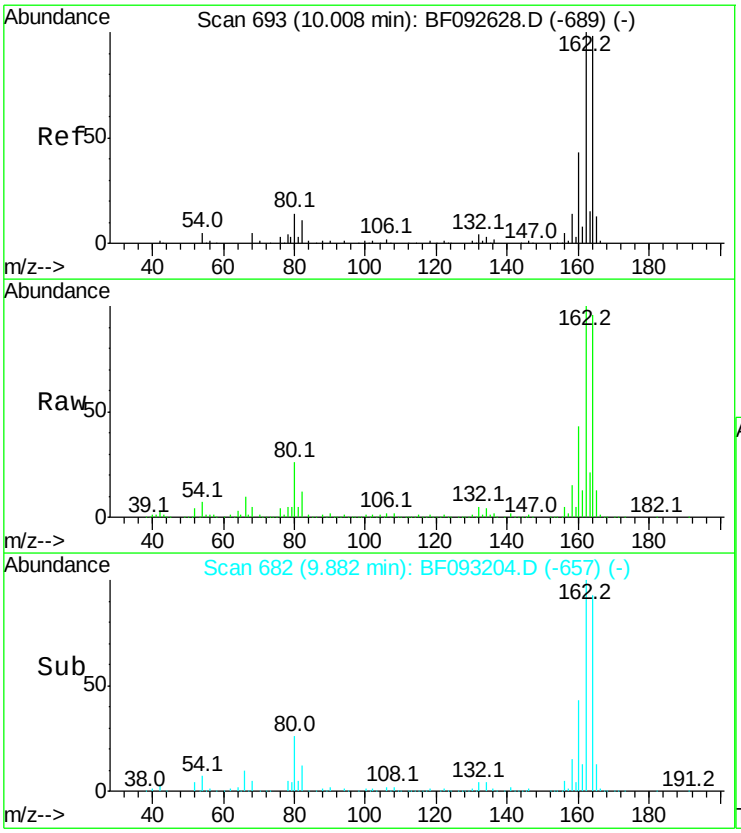
#37
2-Methylnaphthalene
Concen: 5.20 ng
RT: 8.93 min Scan# 599
Delta R.T. 0.08 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:142 Resp: 102780

Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.0	106.6
115	36.1	28.3	42.5

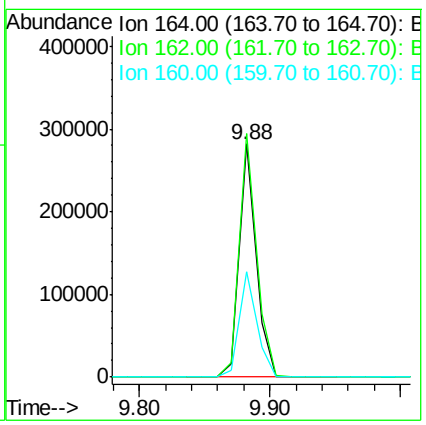


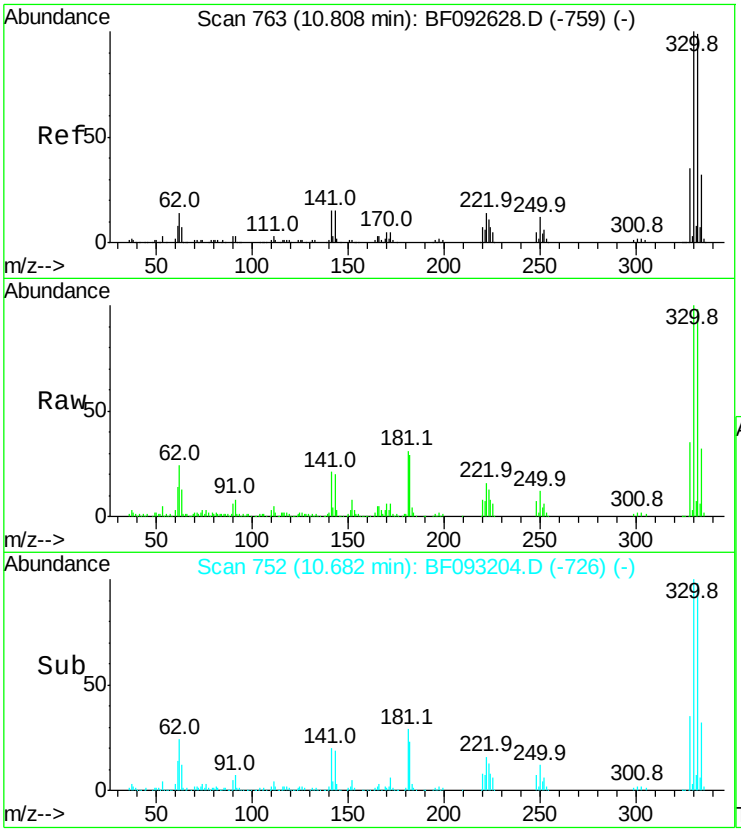


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:164 Resp: 251375

Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.2	120.2
160	45.0	36.9	55.3



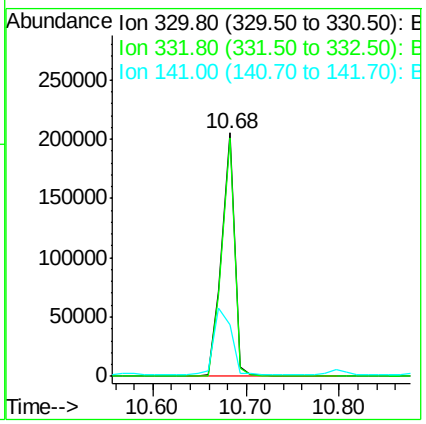


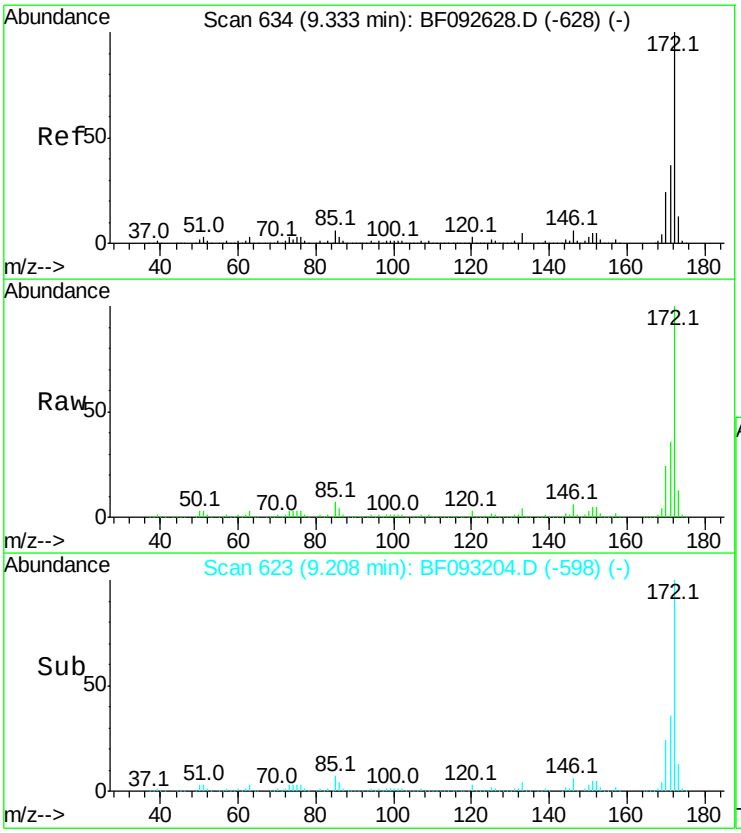
#41
2,4,6-Tribromophenol
Concen: 109.56 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:330 Resp: 199186

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	37.5	34.1	51.1

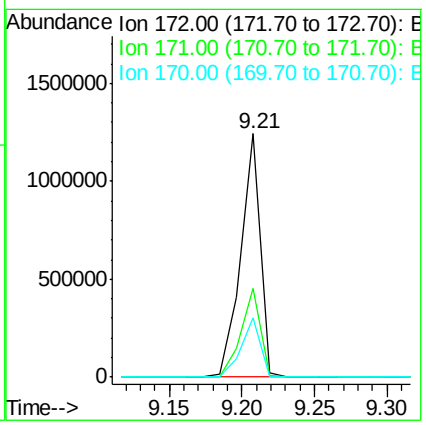


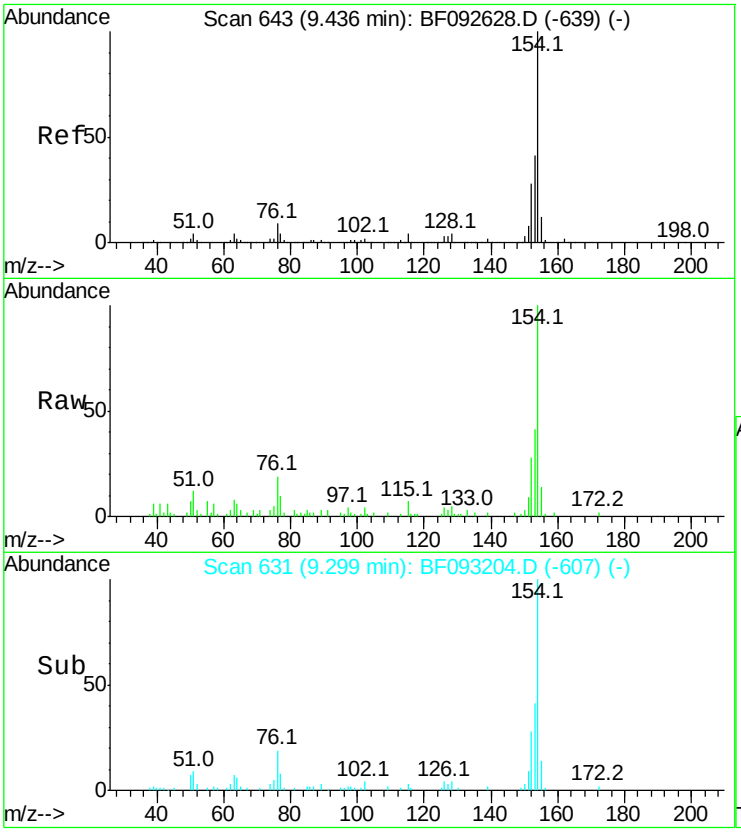


#44
2-Fluorobiphenyl
Concen: 83.72 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:172 Resp: 1161644

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.2	20.2	30.4



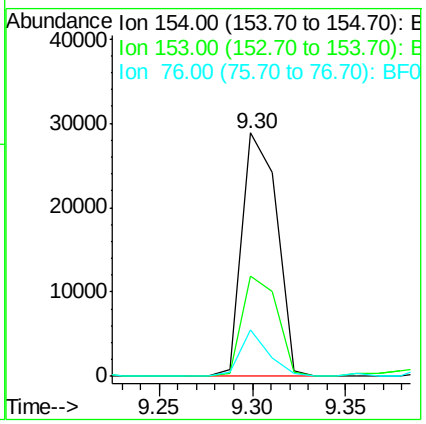


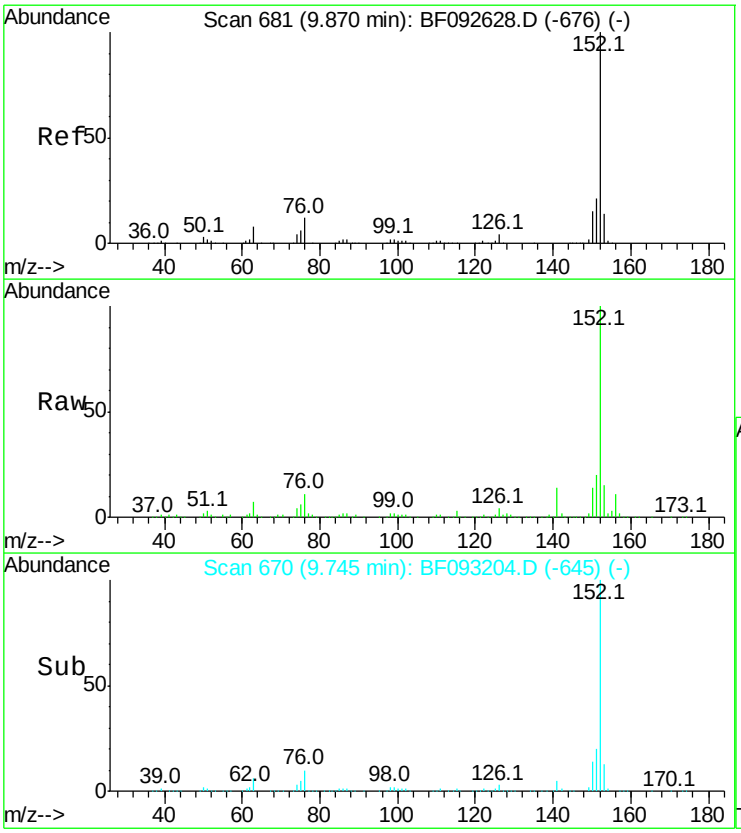
#45
1,1'-Biphenyl
Concen: 2.05 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:154 Resp: 37373

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	18.9	0.0	30.5

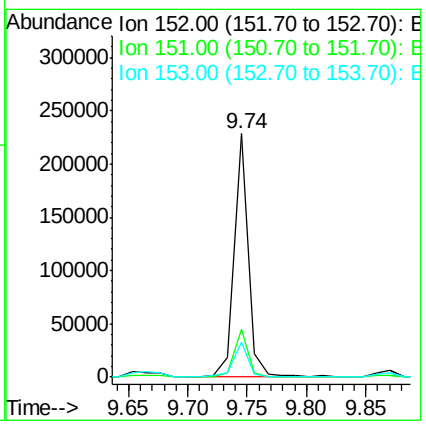


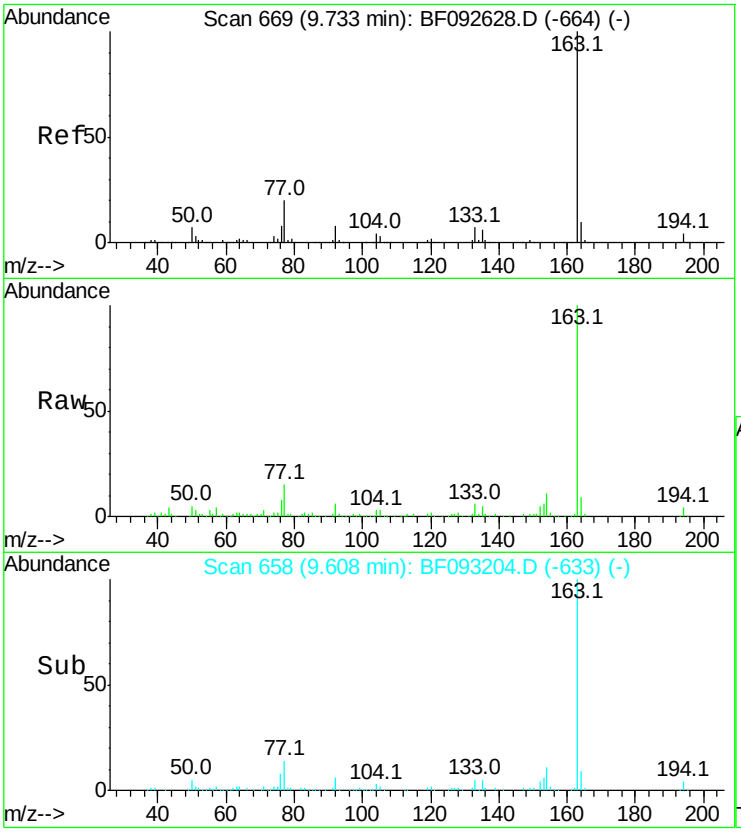


#48
Acenaphthylene
Concen: 7.75 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:152 Resp: 190683

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.9	25.3
153	14.6	11.4	17.2



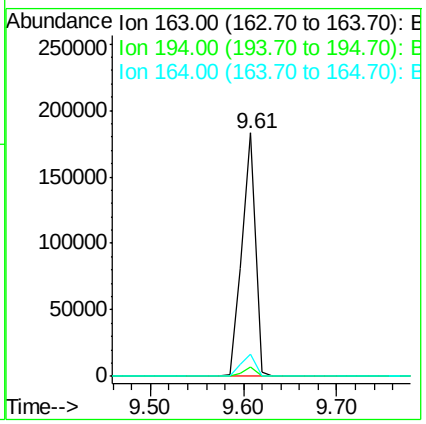


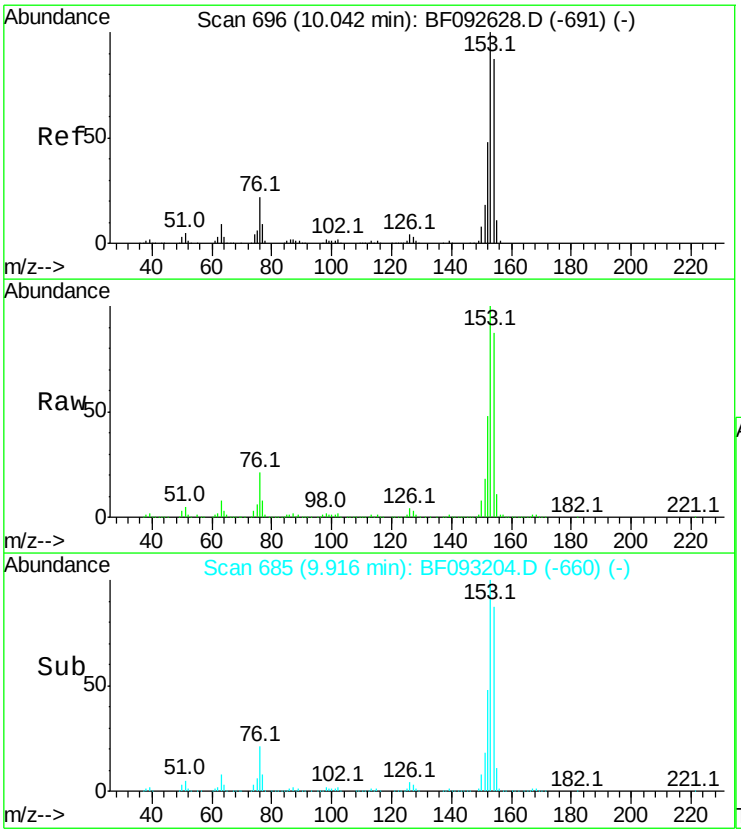
#49
Dimethylphthalate
Concen: 11.04 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:163 Resp: 186914

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.4	8.0	12.0

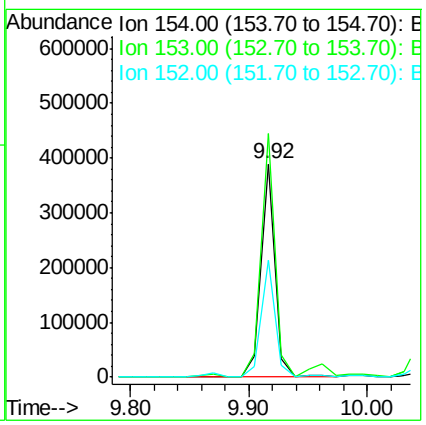


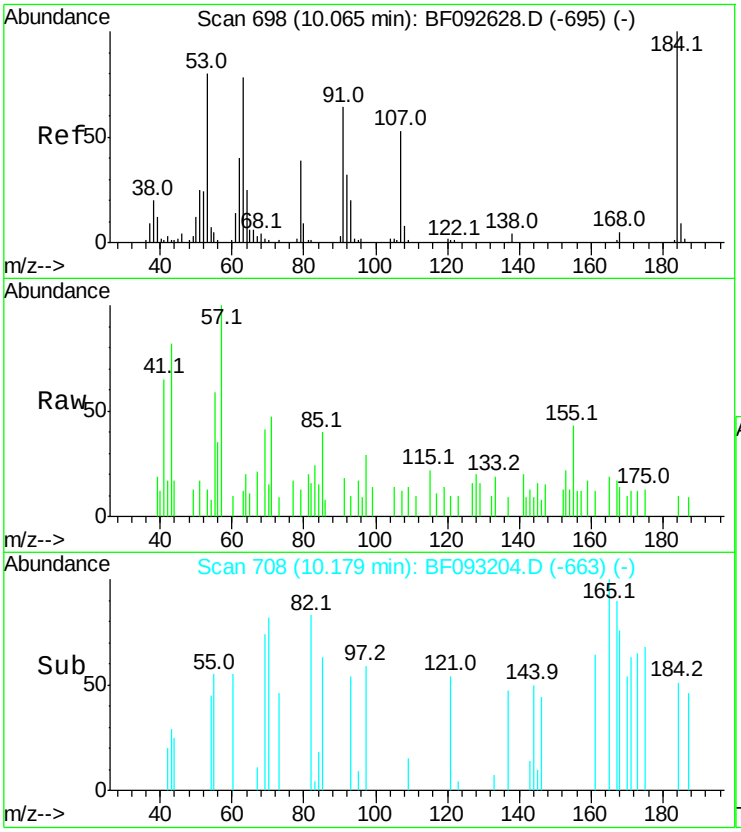


#51
Acenaphthene
Concen: 22.01 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:154 Resp: 323631

Ion	Ratio	Lower	Upper
154	100		
153	114.3	88.6	133.0
152	55.0	41.6	62.4



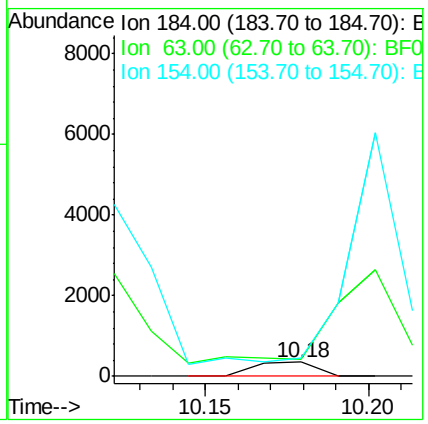


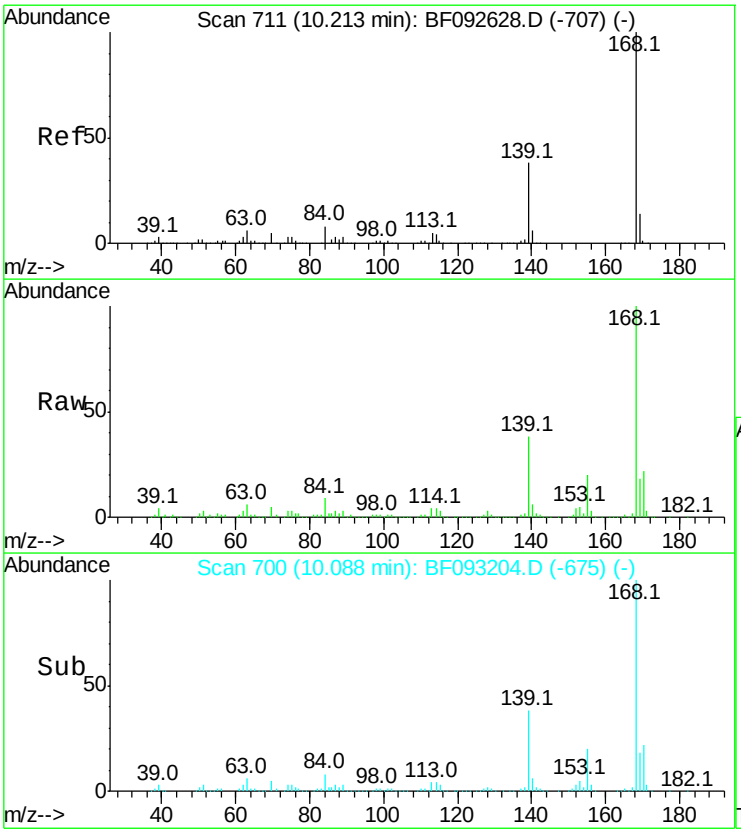
#53
2,4-Dinitrophenol
Concen: 4.97 ng
RT: 10.18 min Scan# 708
Delta R.T. 0.22 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:184 Resp: 464

Ion	Ratio	Lower	Upper
184	100		
63	119.4	28.4	42.6#
154	130.1	44.3	66.5#

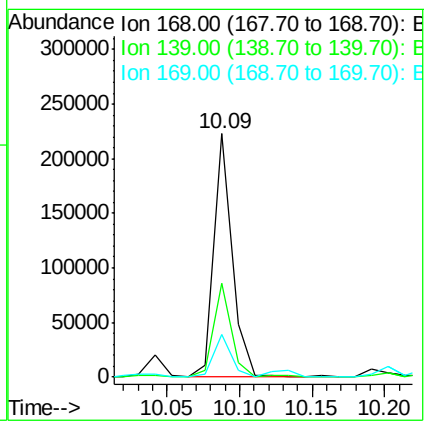


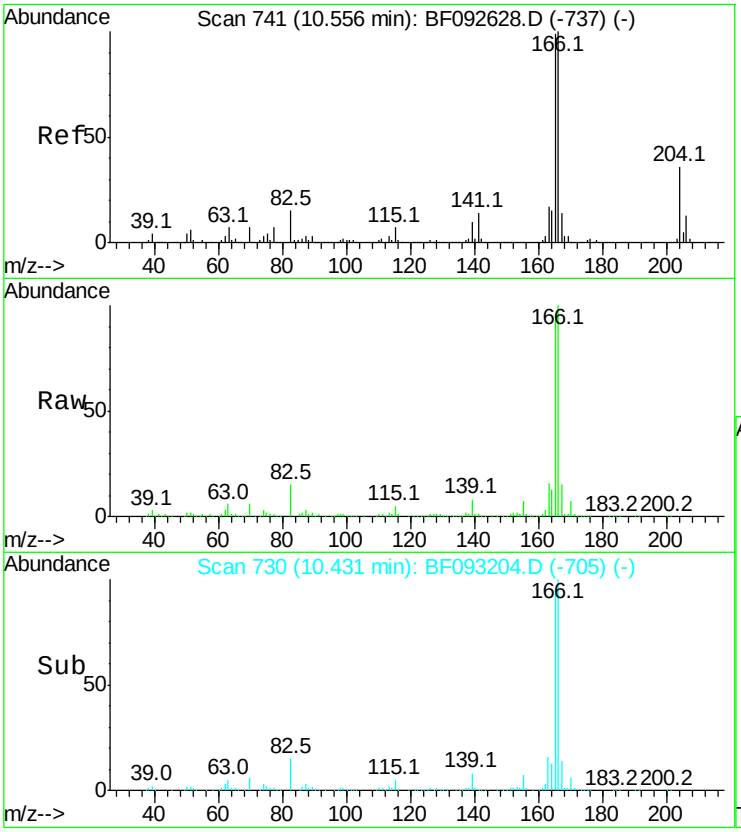


#54
Dibenzofuran
Concen: 9.92 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:168 Resp: 195192

Ion	Ratio	Lower	Upper
168	100		
139	38.5	32.6	49.0
169	17.6	11.3	16.9#



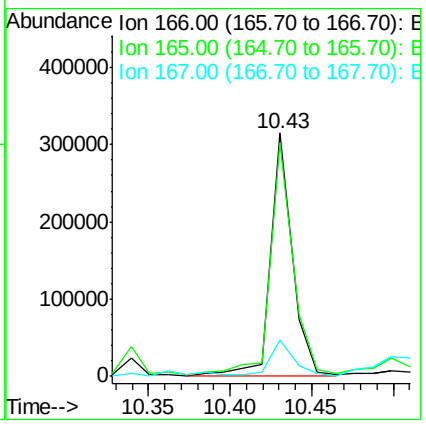


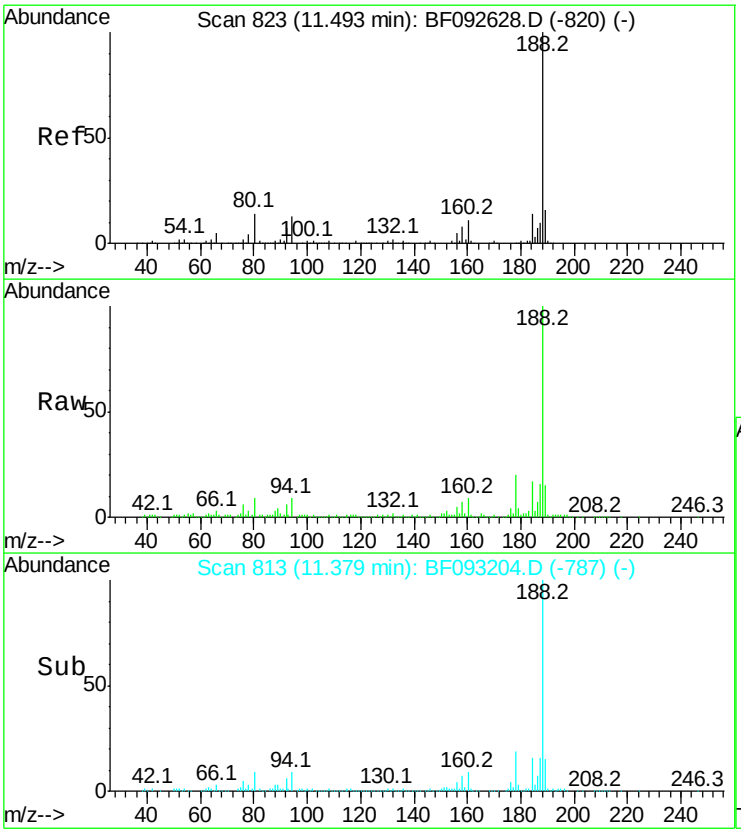
#57
Fluorene
Concen: 19.16 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:166 Resp: 289884

Ion	Ratio	Lower	Upper
166	100		
165	95.6	77.8	116.8
167	15.1	10.8	16.2

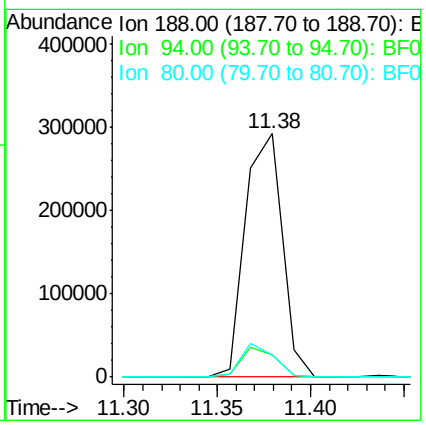


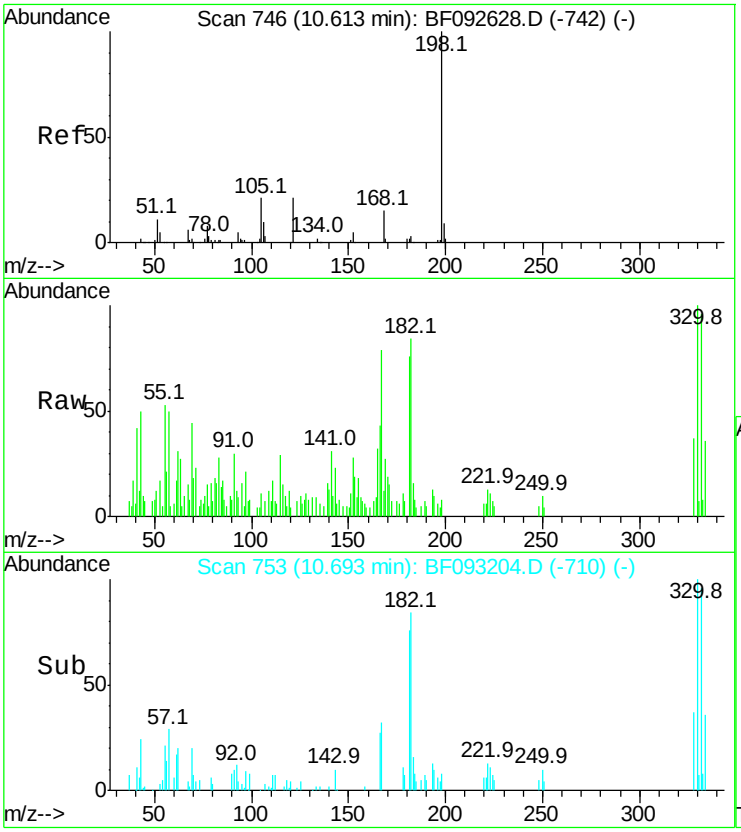


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:188 Resp: 403321

Ion	Ratio	Lower	Upper
188	100		
94	9.1	10.0	15.0#
80	9.0	11.2	16.8#



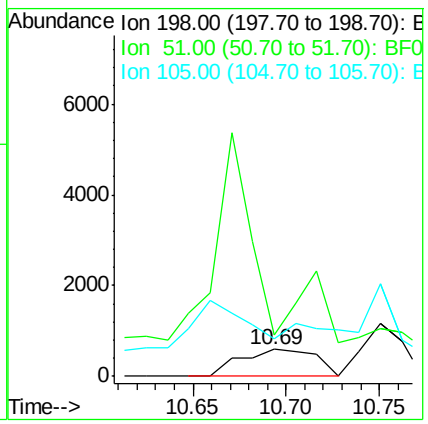


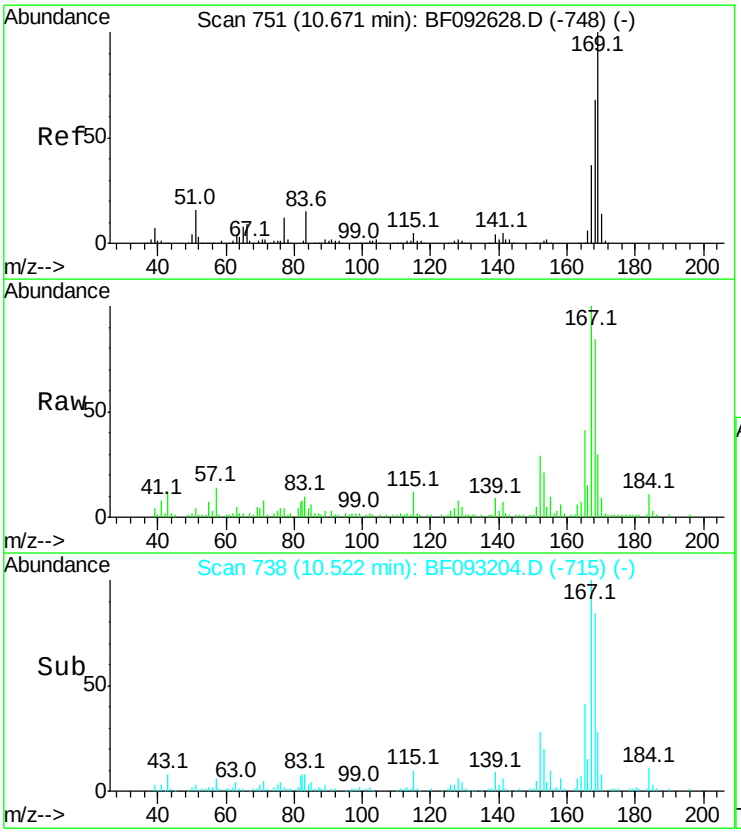
#64
4,6-Dinitro-2-methylphenol
Concen: 3.30 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.19 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:198 Resp: 1648

Ion	Ratio	Lower	Upper
198	100		
51	153.3	6.7	46.7#
105	141.3	16.6	56.6#

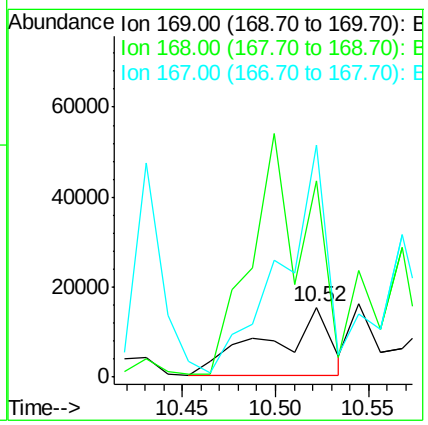


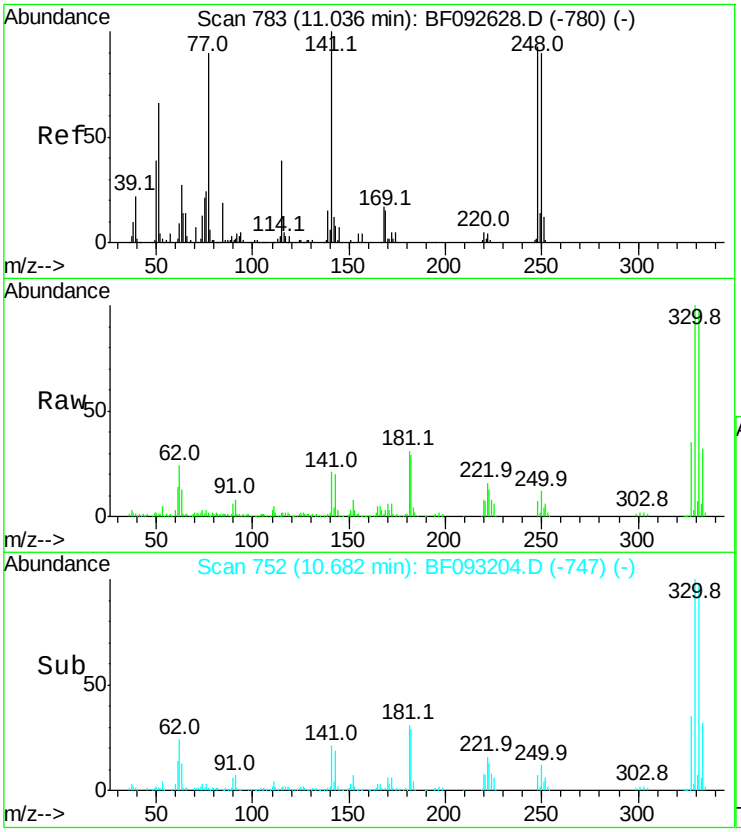


#65
n-Nitrosodiphenylamine
Concen: 2.64 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:169 Resp: 34026

Ion	Ratio	Lower	Upper
169	100		
168	280.1	54.2	81.2#
167	331.8	30.2	45.4#



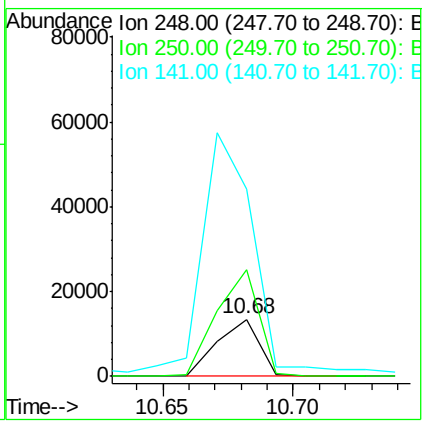


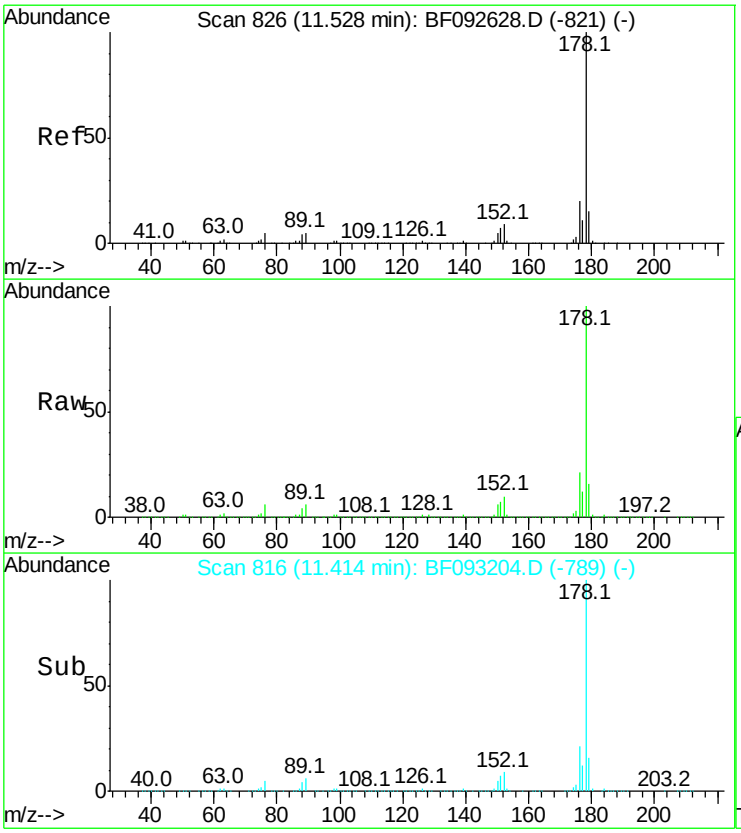
#66
4-Bromophenyl-phenylether
Concen: 3.59 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:248 Resp: 15107

Ion	Ratio	Lower	Upper
248	100		
250	187.1	76.9	115.3#
141	327.7	68.2	102.4#

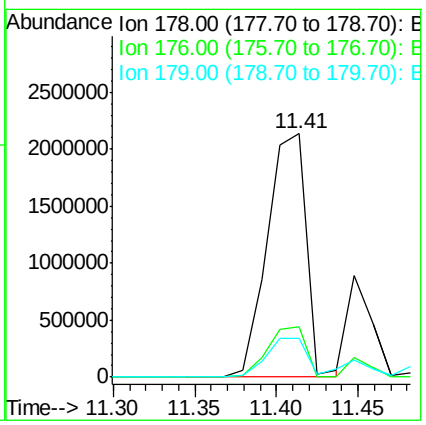


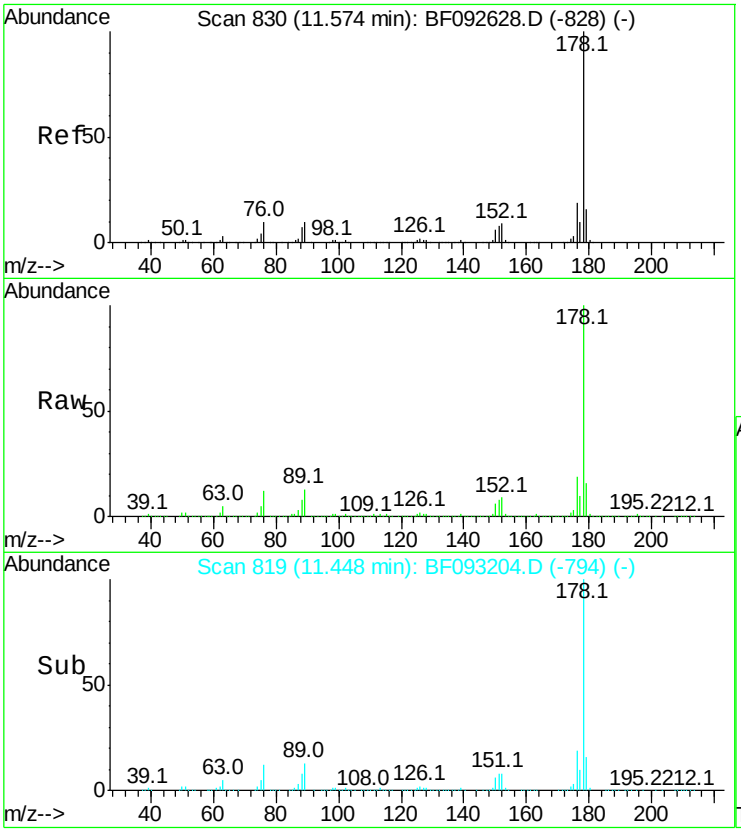


#70
Phenanthrene
Concen: 153.41 ng
RT: 11.41 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:178 Resp: 3544778

Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.6	25.0
179	15.9	12.8	19.2



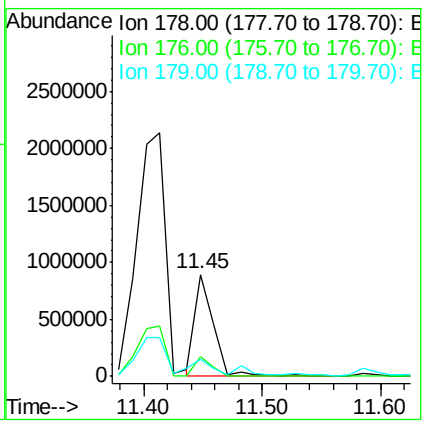


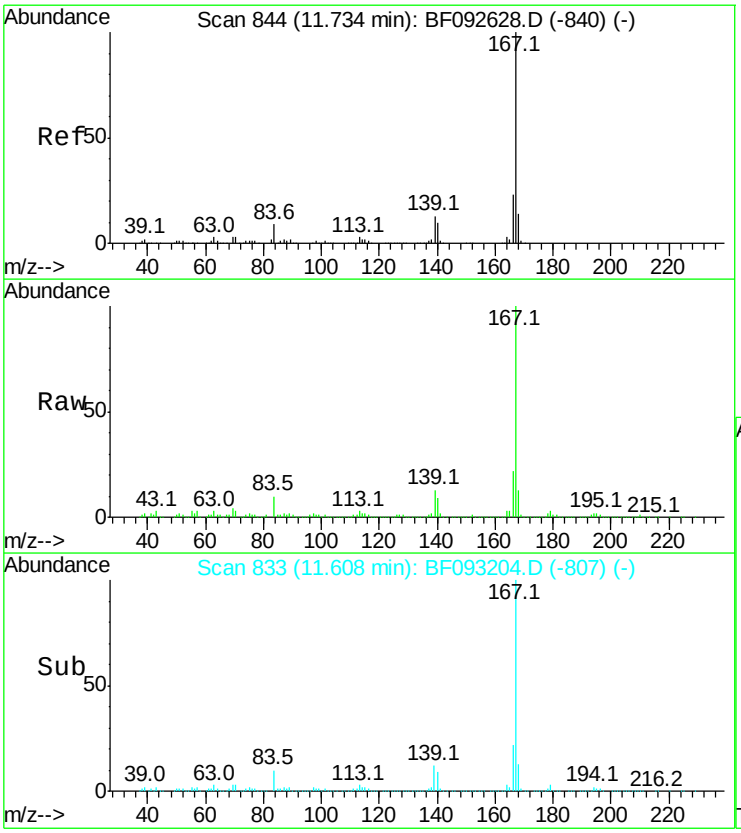
#71
Anthracene
Concen: 42.42 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:178 Resp: 984366

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	16.4	13.2	19.8

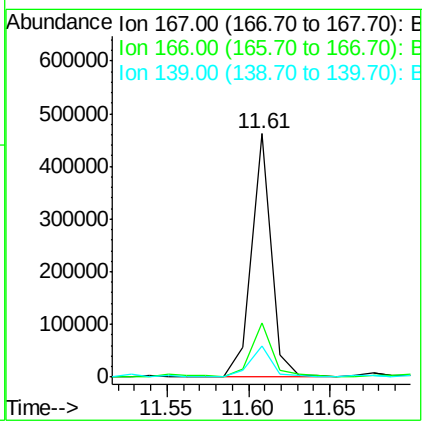


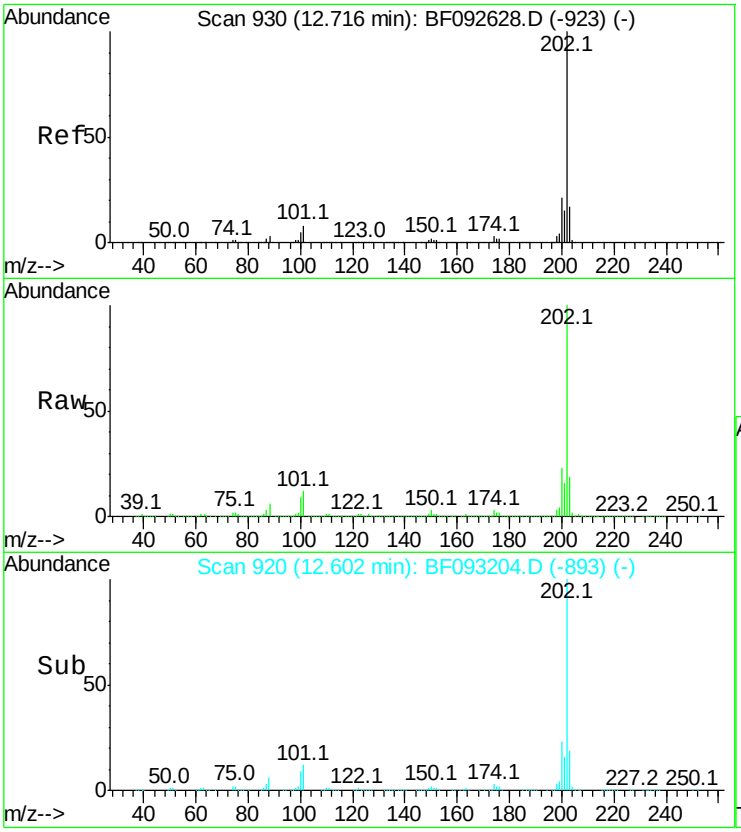


#72
Carbazole
Concen: 17.35 ng
RT: 11.61 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:167 Resp: 384822

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.2
139	12.6	11.4	17.2



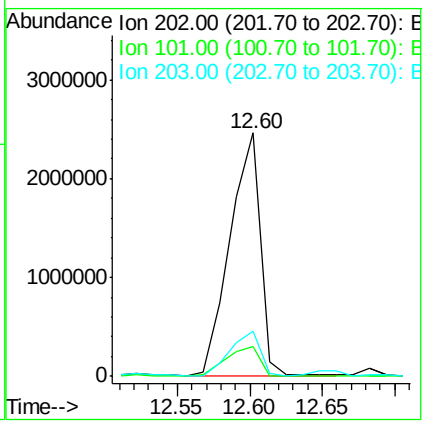


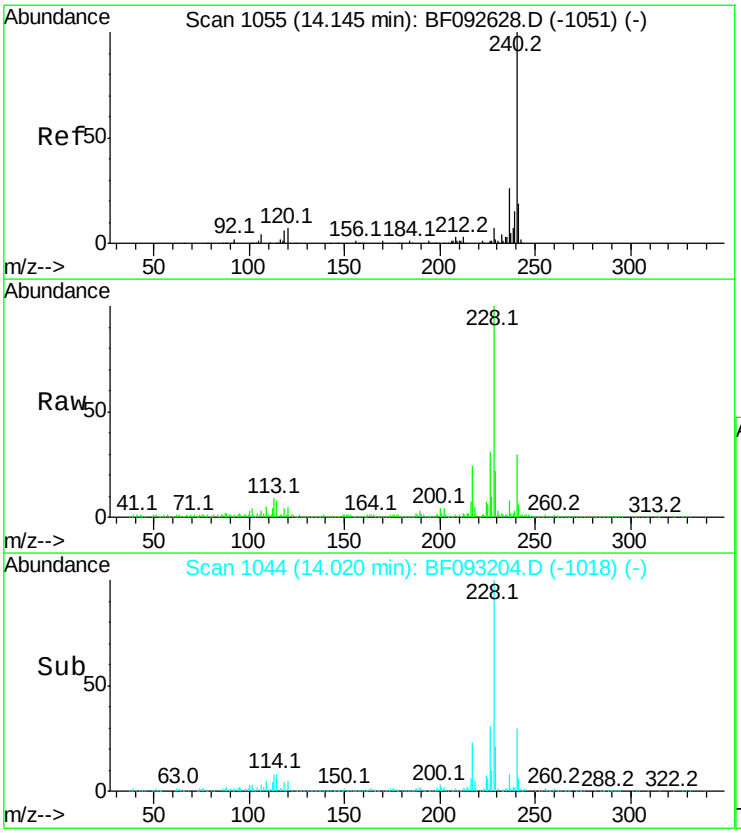
#74
Fluoranthene
Concen: 150.68 ng
RT: 12.60 min Scan# 920
Delta R.T. 0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:202 Resp: 3591442

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.6
203	18.6	0.0	38.7

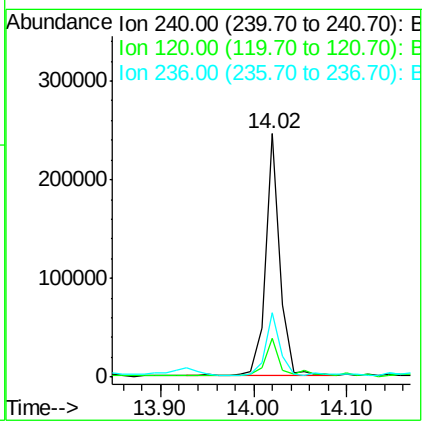


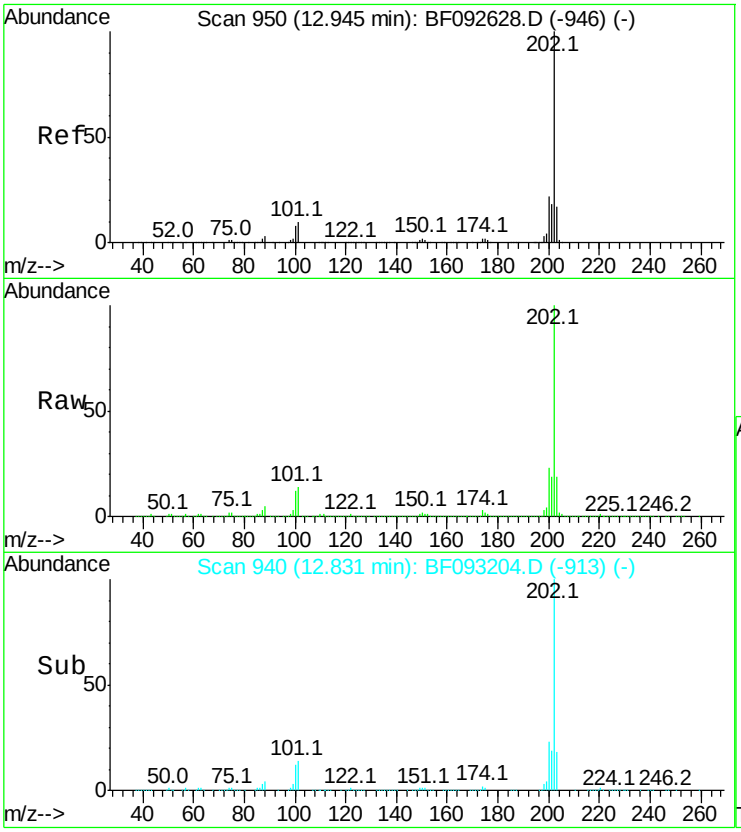


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:240 Resp: 264326

Ion	Ratio	Lower	Upper
240	100		
120	15.8	12.9	19.3
236	26.7	20.9	31.3



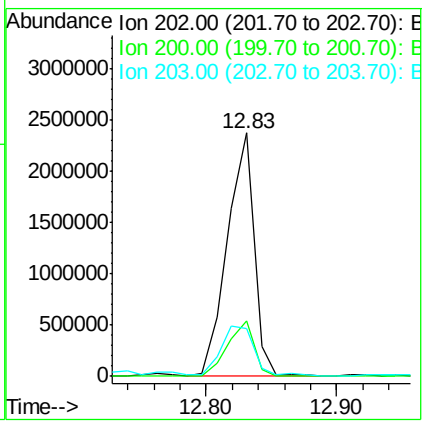


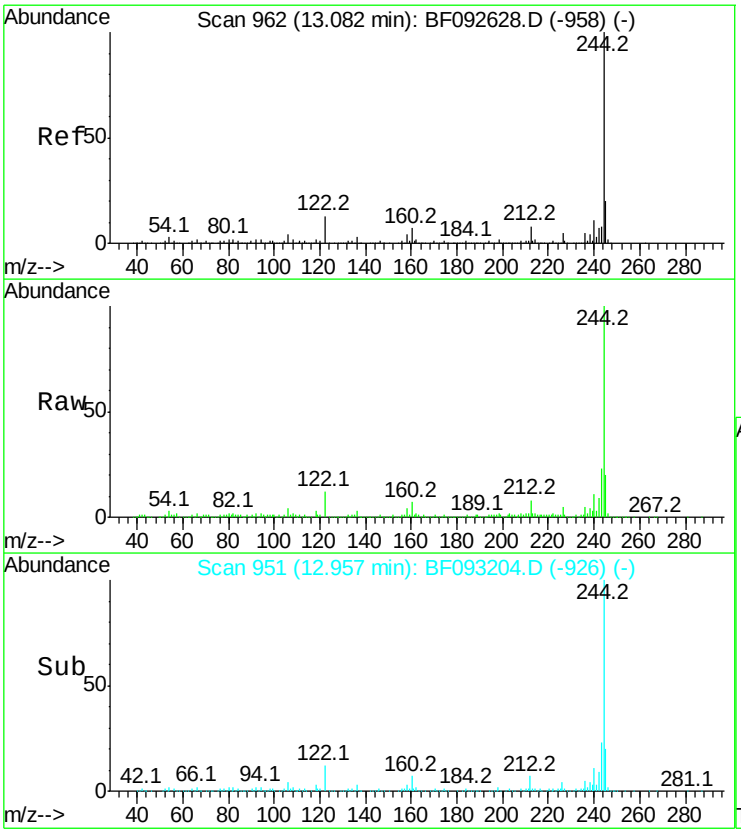
#77
Pyrene
Concen: 170.57 ng
RT: 12.83 min Scan# 940
Delta R.T. 0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:202 Resp: 3374113

Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.7	26.5
203	19.4	14.7	22.1

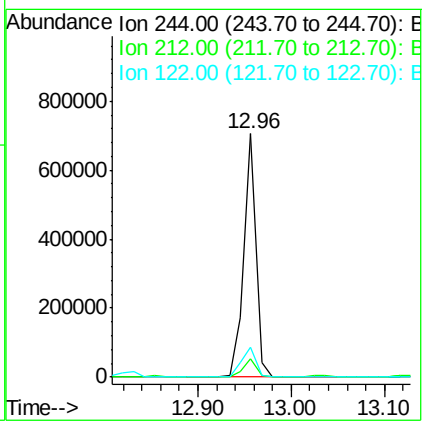


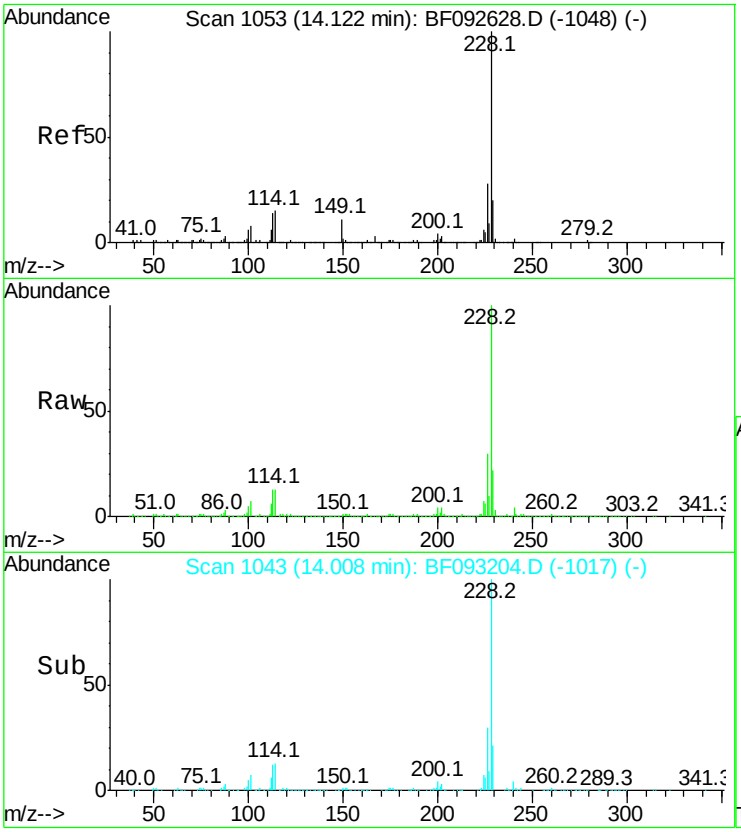


#78
Terphenyl-d14
Concen: 56.93 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:244 Resp: 640457

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	12.1	11.4	17.2



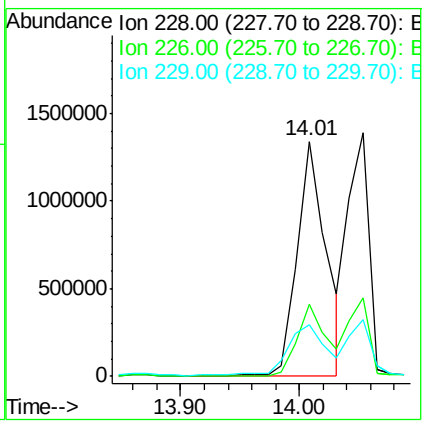


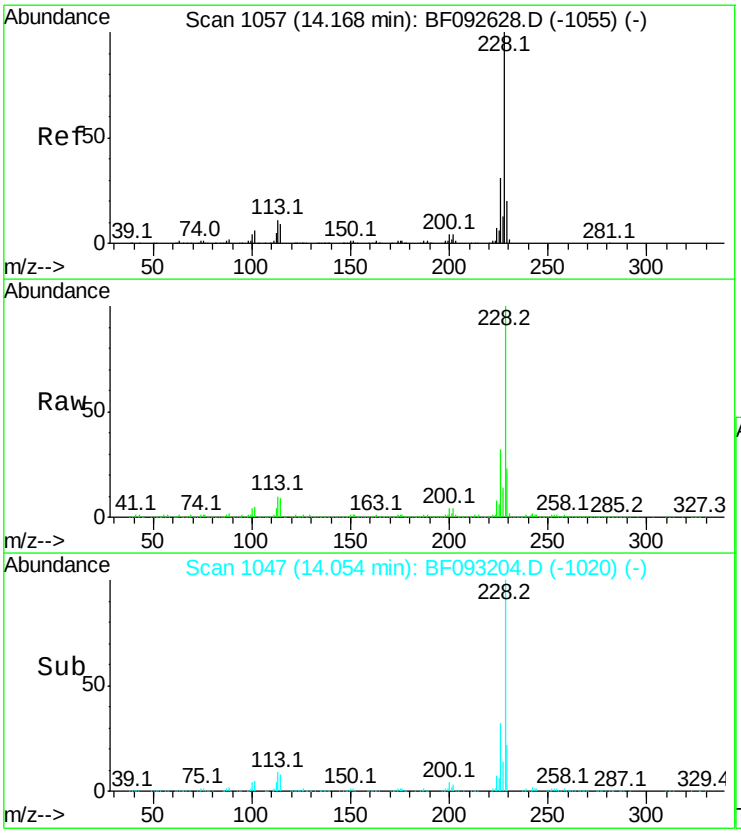
#80
Benzo(a)anthracene
Concen: 140.67 ng
RT: 14.01 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:228 Resp: 2274198

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.4	33.6
229	22.0	16.2	24.4

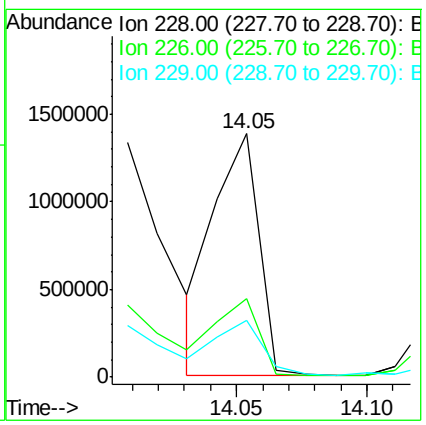


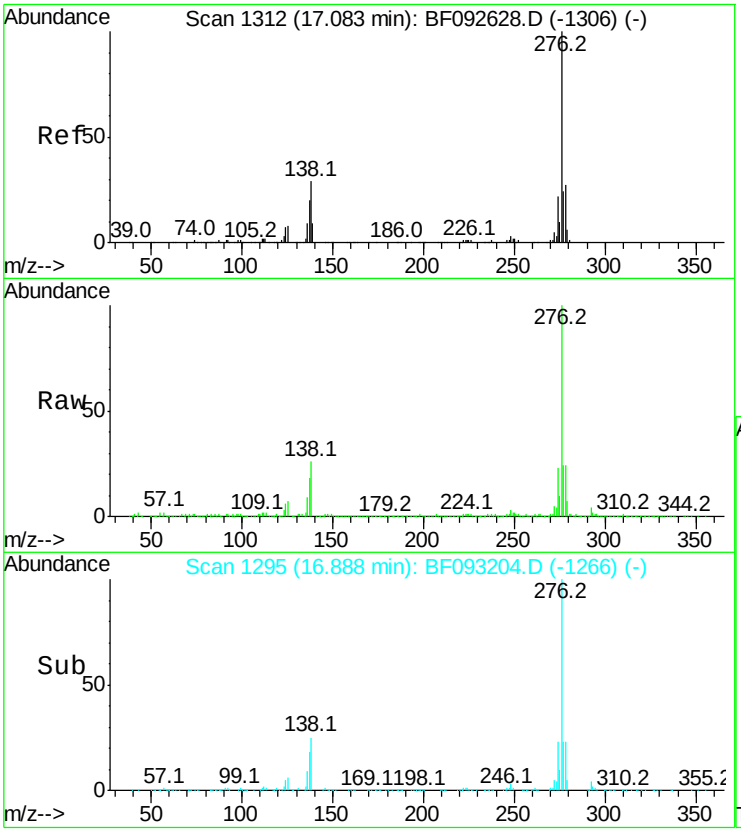


#82
Chrysene
Concen: 110.23 ng
RT: 14.05 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:228 Resp: 1668455

Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.4	38.0
229	23.4	16.2	24.2



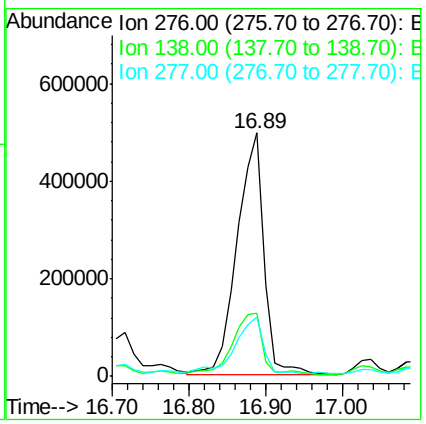


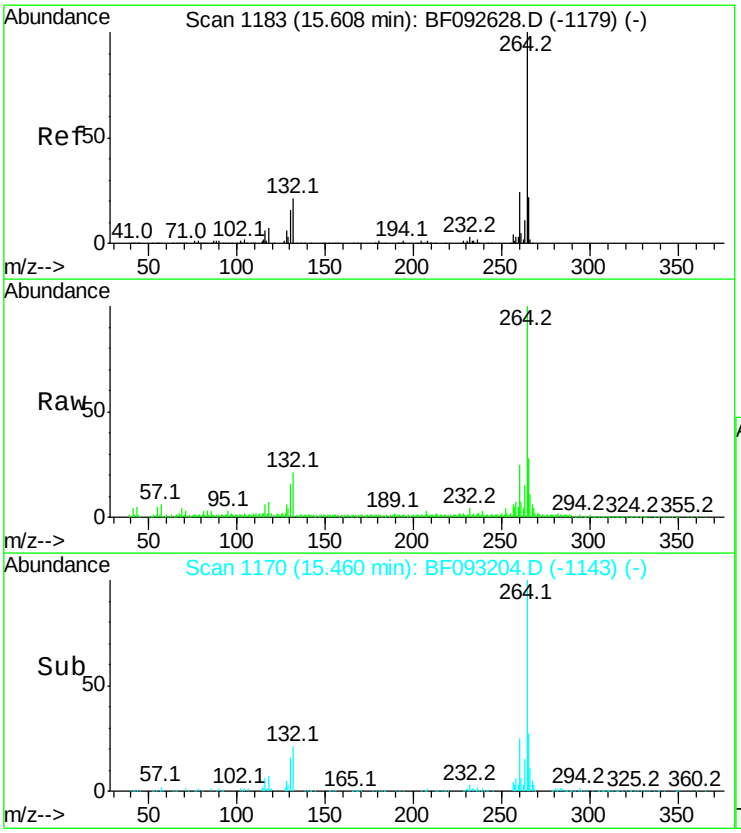
#85
Indeno(1,2,3-cd)pyrene
Concen: 102.40 ng
RT: 16.89 min Scan# 1295
Delta R.T. 0.03 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:276 Resp: 1200574

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.8	32.6
277	24.6	20.2	30.4

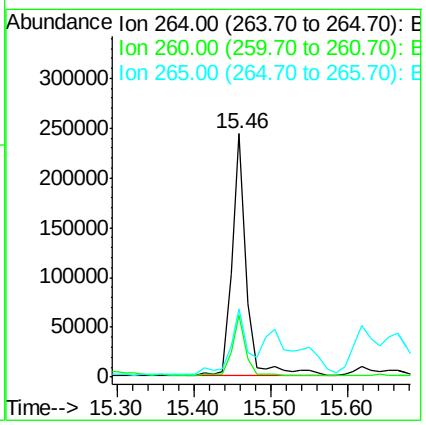


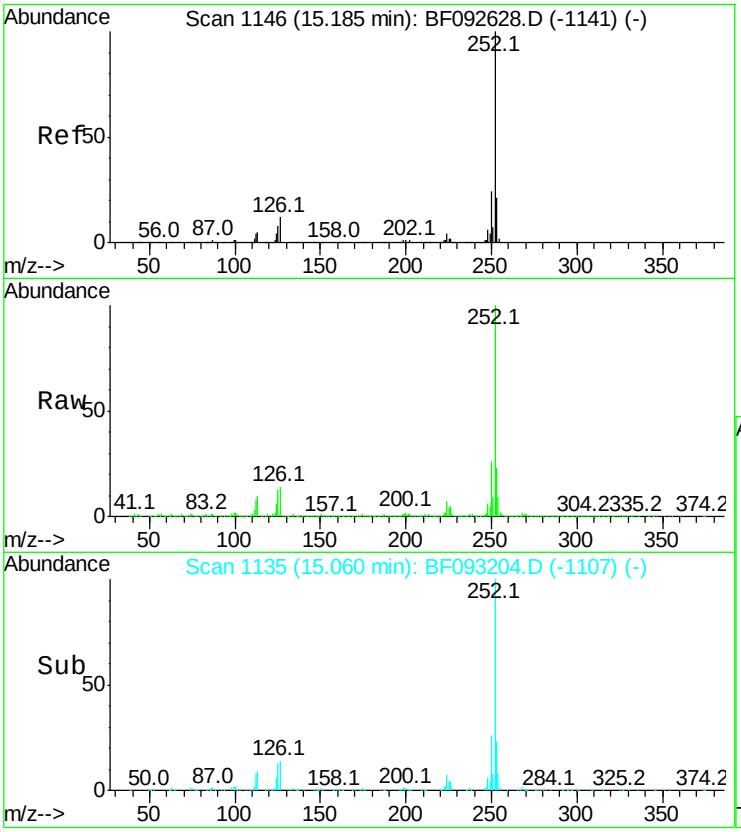


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:264 Resp: 328304

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	27.9	17.4	26.0#



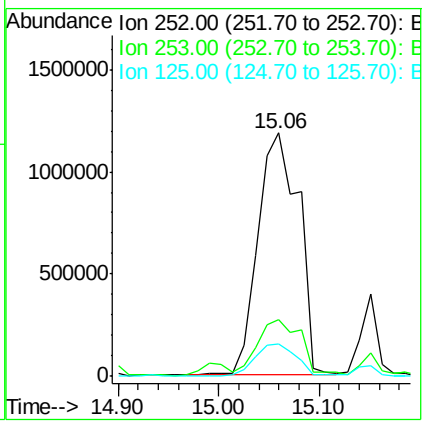


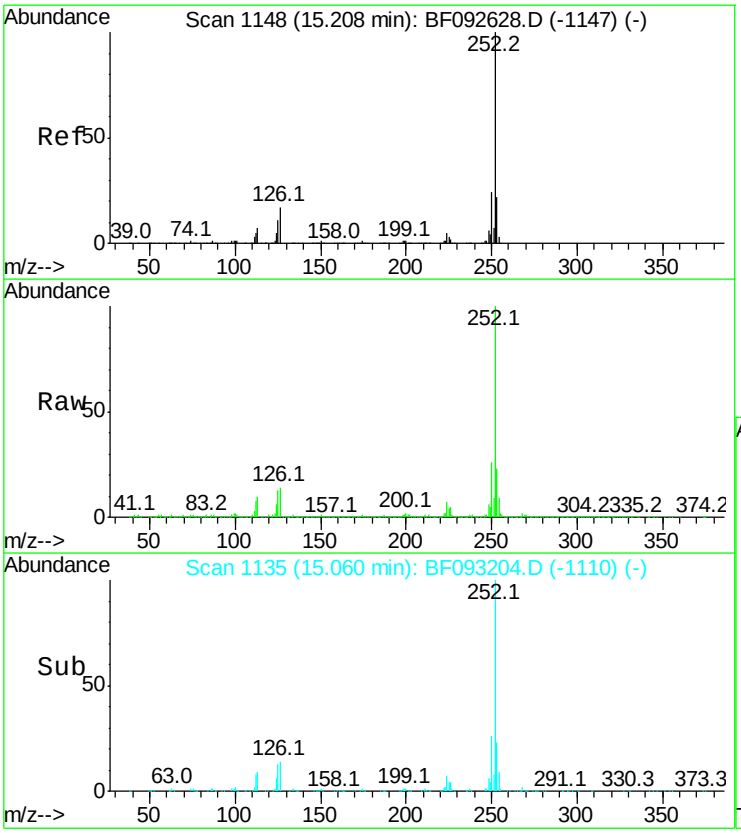
#87
Benzo(b)fluoranthene
Concen: 154.14 ng
RT: 15.06 min Scan# 1135
Delta R.T. 0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:252 Resp: 3330753

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	13.1	9.8	14.6

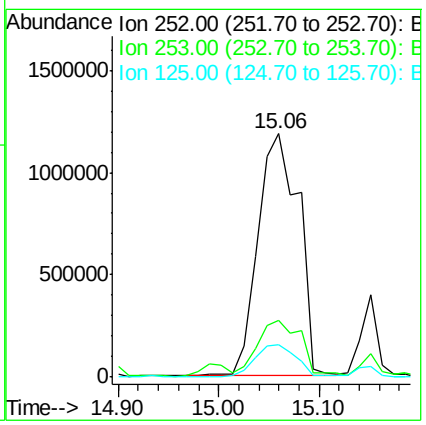


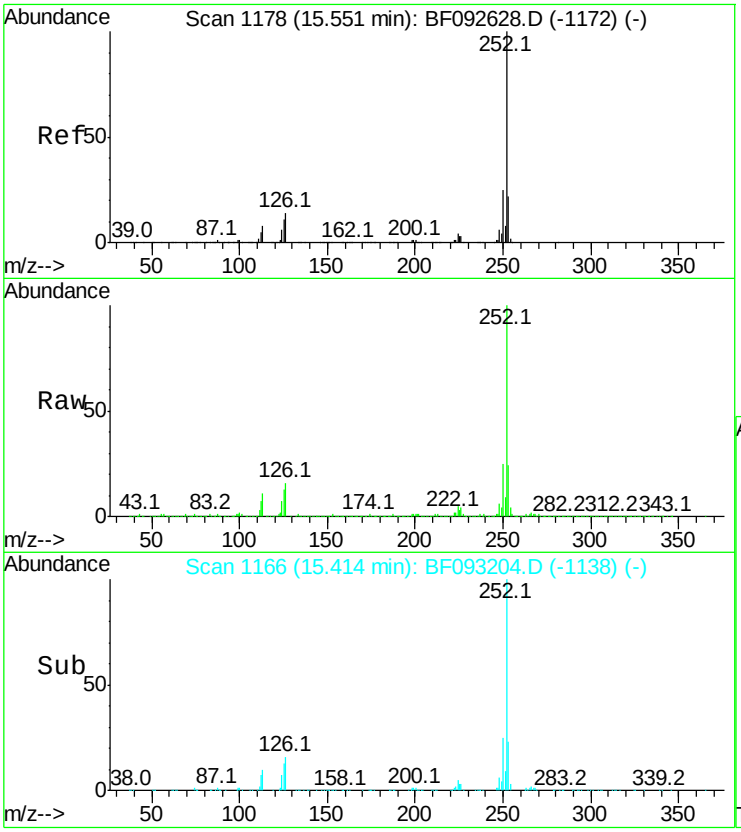


#88
Benzo(k)fluoranthene
Concen: 178.52 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:252 Resp: 3330753

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	13.1	8.9	13.3



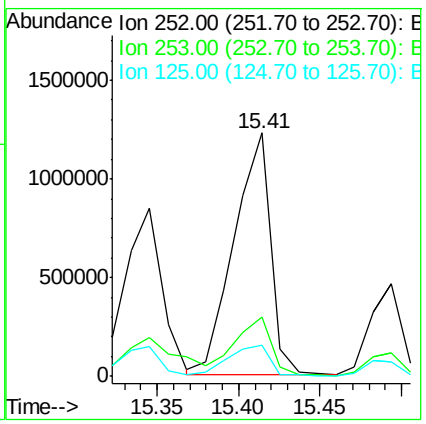


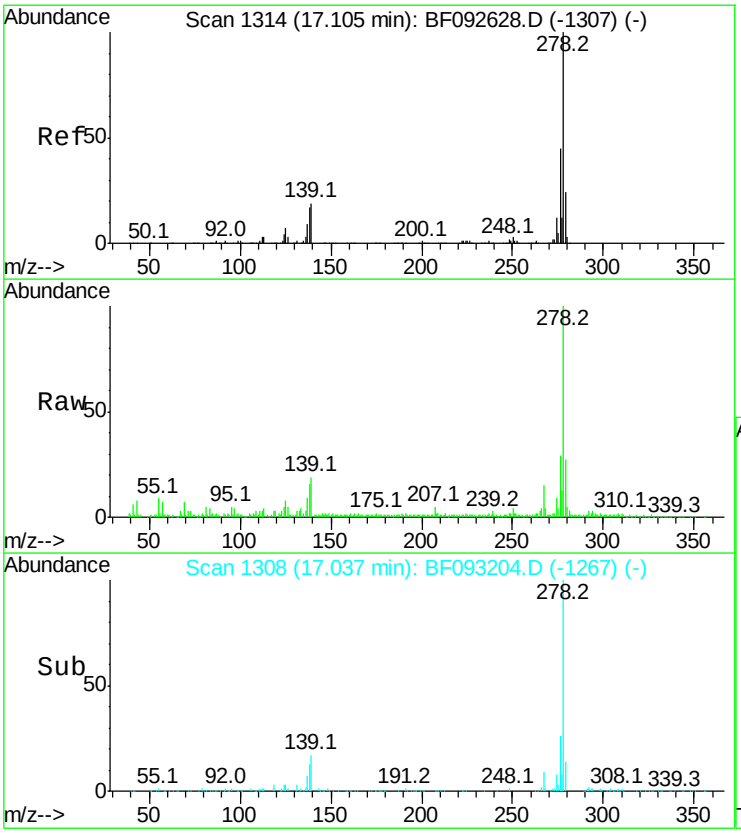
#89
Benzo(a)pyrene
Concen: 102.23 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:252 Resp: 1910917

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	12.8	10.0	15.0

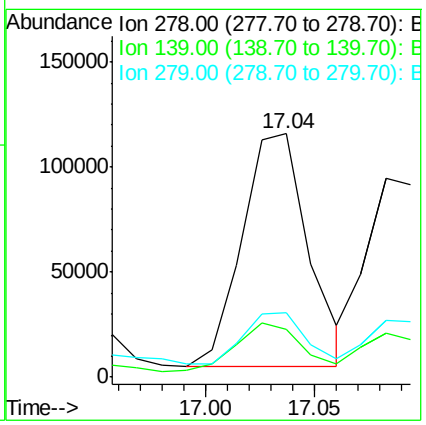


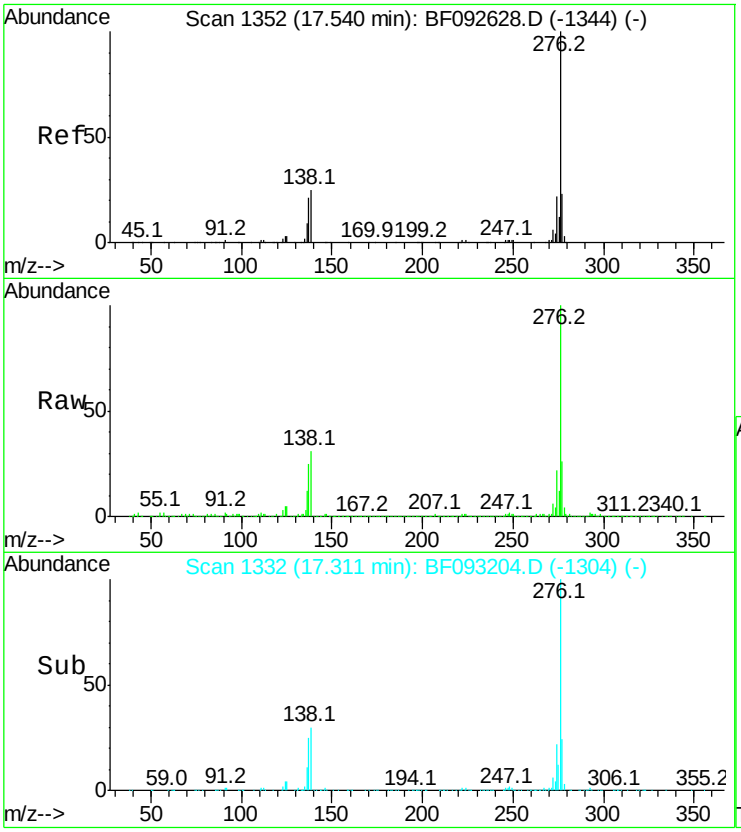


#90
Dibenzo(a,h)anthracene
Concen: 15.59 ng
RT: 17.04 min Scan# 1308
Delta R.T. 0.17 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:278 Resp: 235481

Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.8	22.2
279	26.6	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 73.60 ng
RT: 17.31 min Scan# 1332
Delta R.T. 0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tgt Ion:276 Resp: 1123264

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	30.6	16.0	24.0#