Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jan 26 10:01:47 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149388	20.00	ng		0.00
21) Naphthalene-d8	8.26	136	609113	20.00	ng		-0.01
38) Acenaphthene-d10	10.03	164	321346	20.00	ng		0.00
63) Phenanthrene-d10	11.52	188	544805	20.00	ng		-0.01
75) Chrysene-d12	14.15	240	416037	20.00	ng		-0.02
86) Perylene-d12	15.63	264	340034	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	1007436	104.92	ng		0.01
7) Phenol-d6	6.59	99	1429895	116.91	ng		0.00
23) Nitrobenzene-d5	7.53	82	791739	71.00	ng		-0.01
41) 2,4,6-Tribromophenol	10.82	330	298256	136.20	ng		0.00
44) 2-Fluorobiphenyl	9.34	172	1378608	79.33	ng		-0.01
78) Terphenyl-d14	13.11	244	1351978	86.53	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.60	94	84125	5.70	ng	#	63
32) Benzoic acid	8.05	122	2130	4.95	ng	#	17
35) Caprolactam	8.69	113	25013	8.49	ng	#	1
49) Dimethylphthalate	9.73	163	112427	5.50	ng	#	96
51) Acenaphthene	10.05	154	111106	6.43	ng		94
53) 2,4-Dinitrophenol	10.32	184	817	3.46	ng	#	55
54) Dibenzofuran	10.22	168	151015	6.43	ng		99
57) Fluorene	10.57	166	106669	6.13	ng		98
64) 4,6-Dinitro-2-methylphenol	10.82	198	795	5.19	ng	#	1
66) 4-Bromophenyl-phenylether	10.82	248	22064	4.01	ng	#	1
70) Phenanthrene	11.54	178	553962	18.46	ng		98
71) Anthracene	11.58	178	158891	5.42	ng		96
72) Carbazole	11.73	167	160280	5.73	ng		97
74) Fluoranthene	12.73	202	595449	20.29	ng		93
77) Pyrene	12.96	202	541626	17.97	ng		98
80) Benzo(a)anthracene	14.13	228	172902	7.73	ng		99
82) Chrysene	14.13	228	172902	7.24	ng		96
85) Indeno(1,2,3-cd)pyrene	17.09	276	40754	2.31	ng	#	86
87) Benzo(b)fluoranthene	15.19	252	157110	7.20	ng		98
88) Benzo(k)fluoranthene	15.19	252	157110	8.66	ng	#	97
89) Benzo(a)pyrene	15.56	252	75221	4.07	ng		100
91) Benzo(g,h,i)perylene	17.54	276	42965	2.85	ng	#	90

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

Quantitation Report (Not Reviewed)

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Acq On : 26 Jan 2017 4:22
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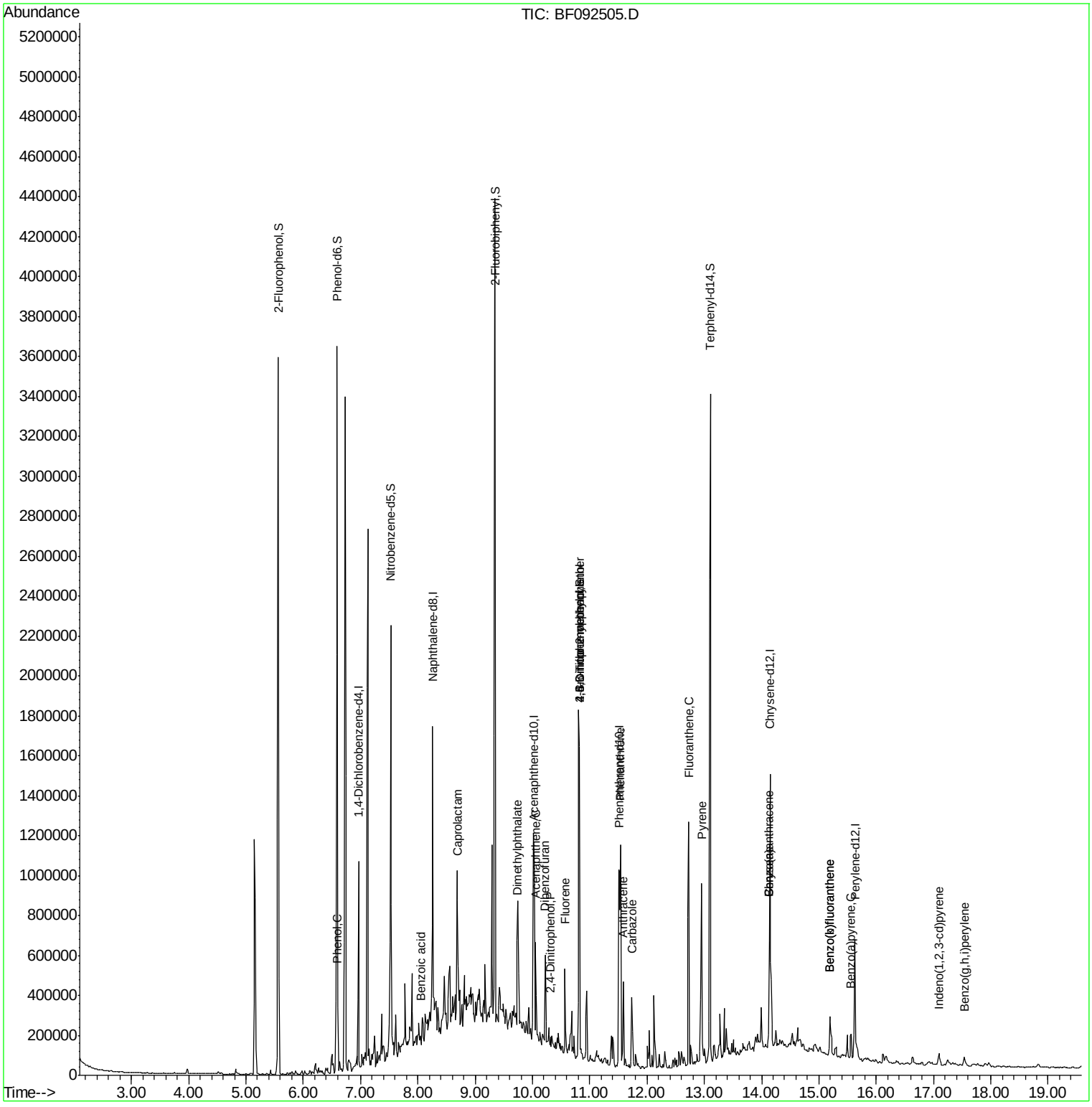
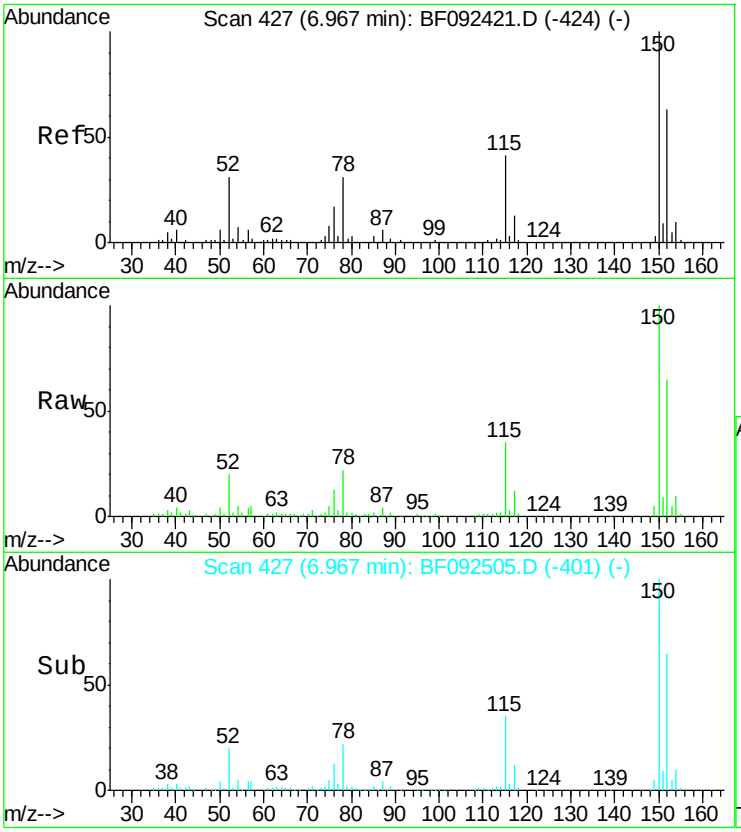


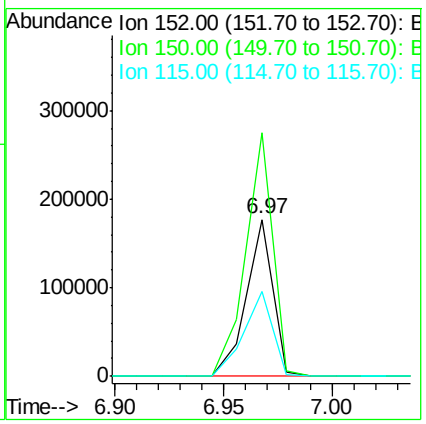


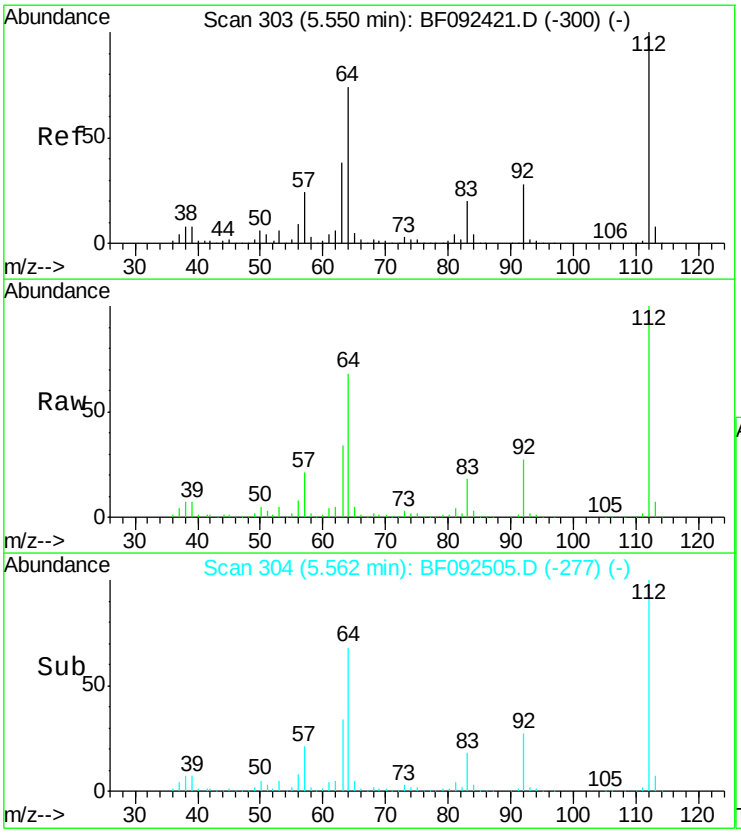
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 149388

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.9	187.3
115	54.1	46.0	69.0

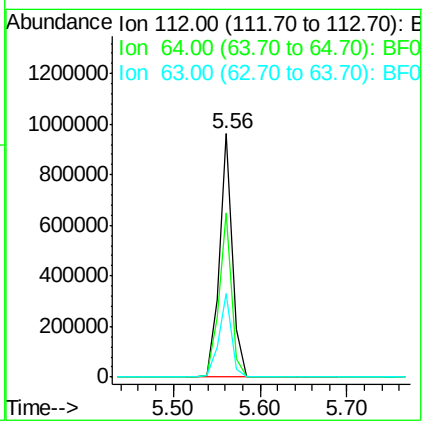


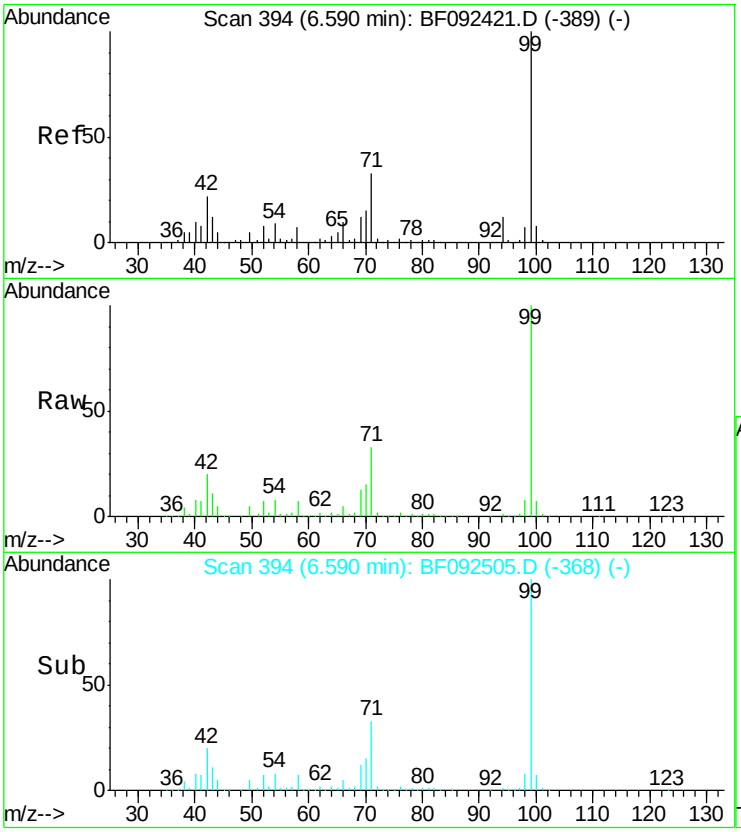


#5
2-Fluorophenol
Concen: 104.92 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:112 Resp: 1007436

Ion	Ratio	Lower	Upper
112	100		
64	67.7	46.1	69.1
63	34.2	23.8	35.6



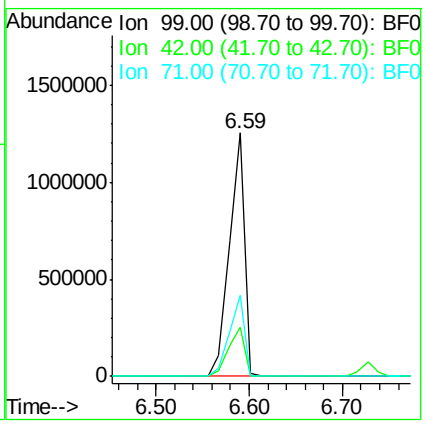


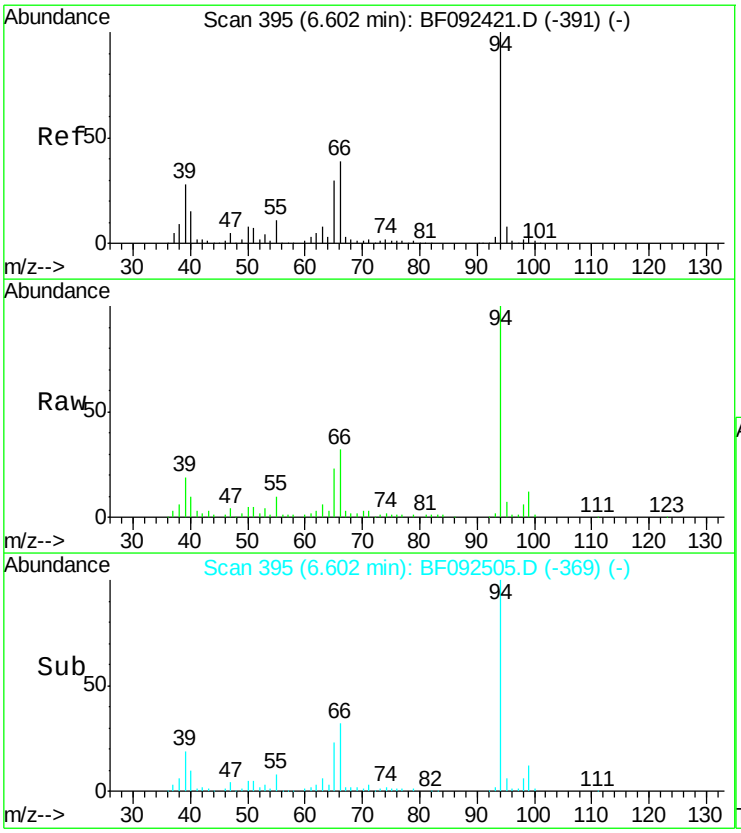
#7
Phenol-d6
Concen: 116.91 ng
RT: 6.59 min Scan# 394
Delta R.T. 0.00 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1429895

Ion	Ratio	Lower	Upper
99	100		
42	20.4	15.6	23.4
71	33.1	27.5	41.3

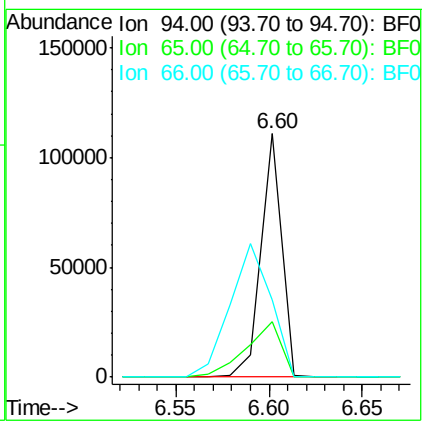


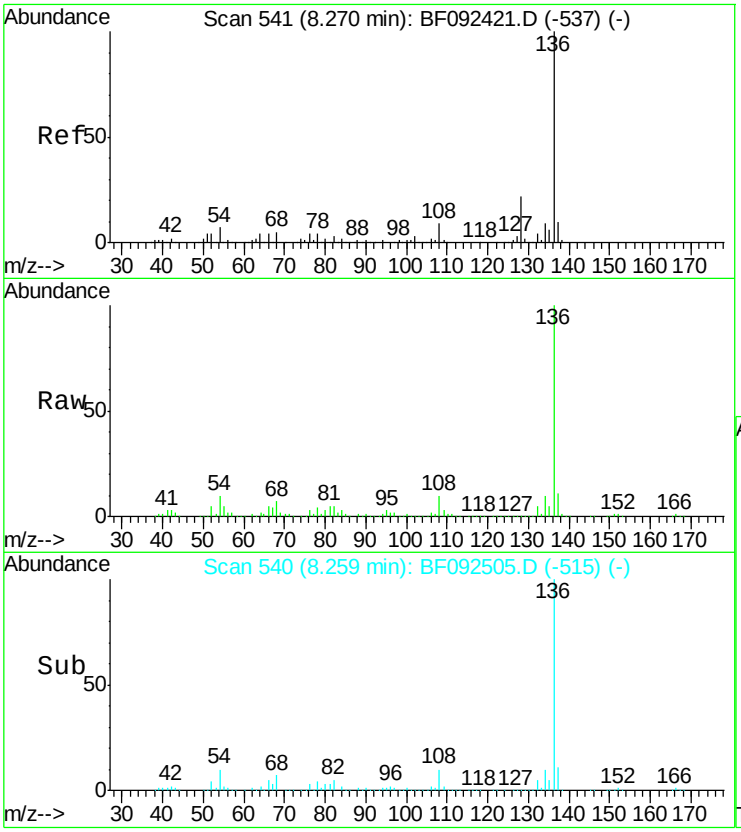


#10
Phenol
Concen: 5.70 ng
RT: 6.60 min Scan# 395
Delta R.T. 0.00 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion: 94 Resp: 84125

Ion	Ratio	Lower	Upper
94	100		
65	22.9	21.4	61.4
66	31.8	44.0	84.0#



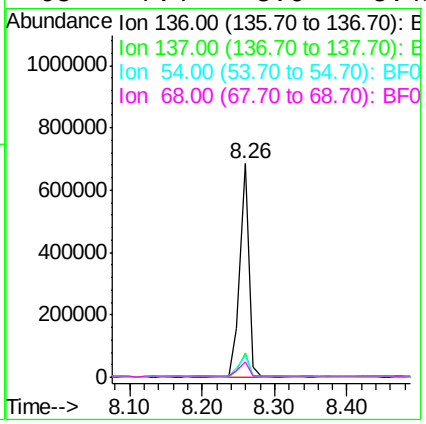


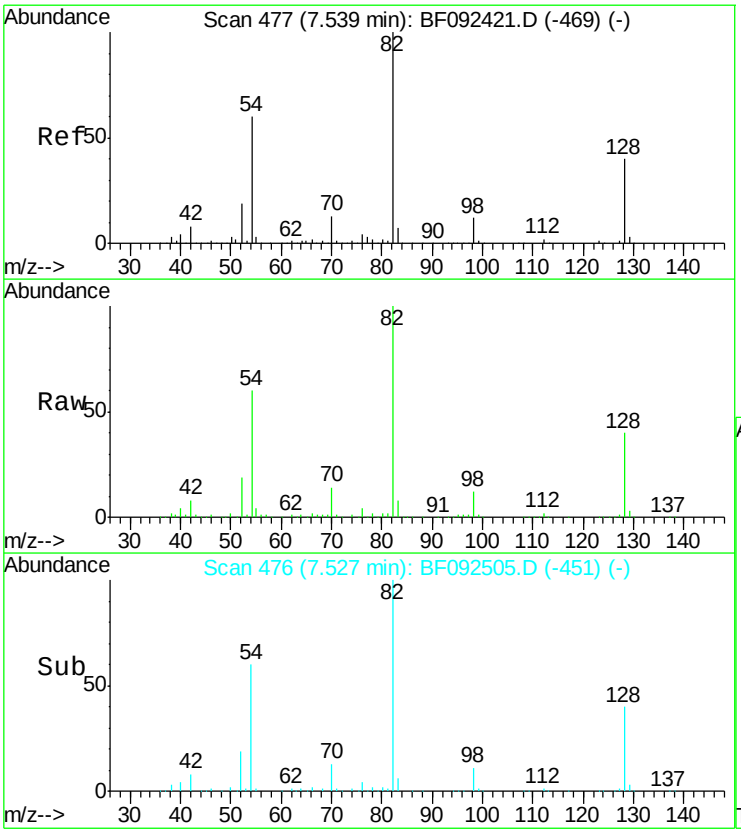
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 609113

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	10.3	4.5	6.7#
68	7.4	3.6	5.4#

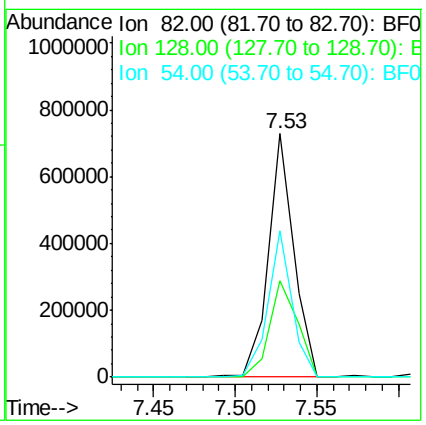


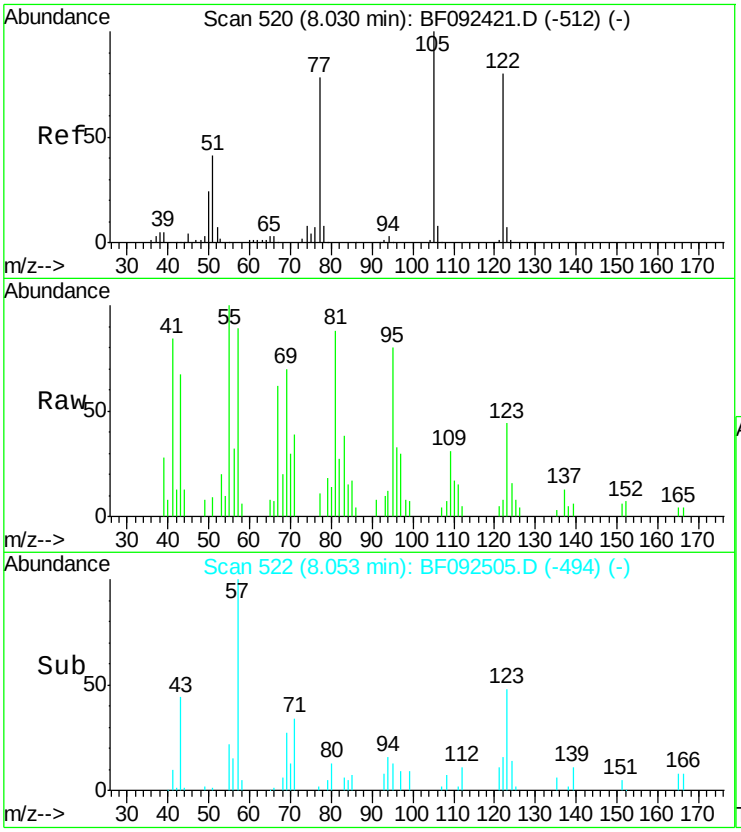


#23
Nitrobenzene-d5
Concen: 71.00 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion: 82 Resp: 791739

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.6	52.0
54	60.1	39.5	59.3#



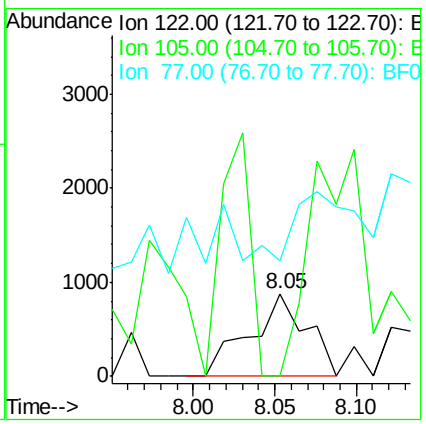


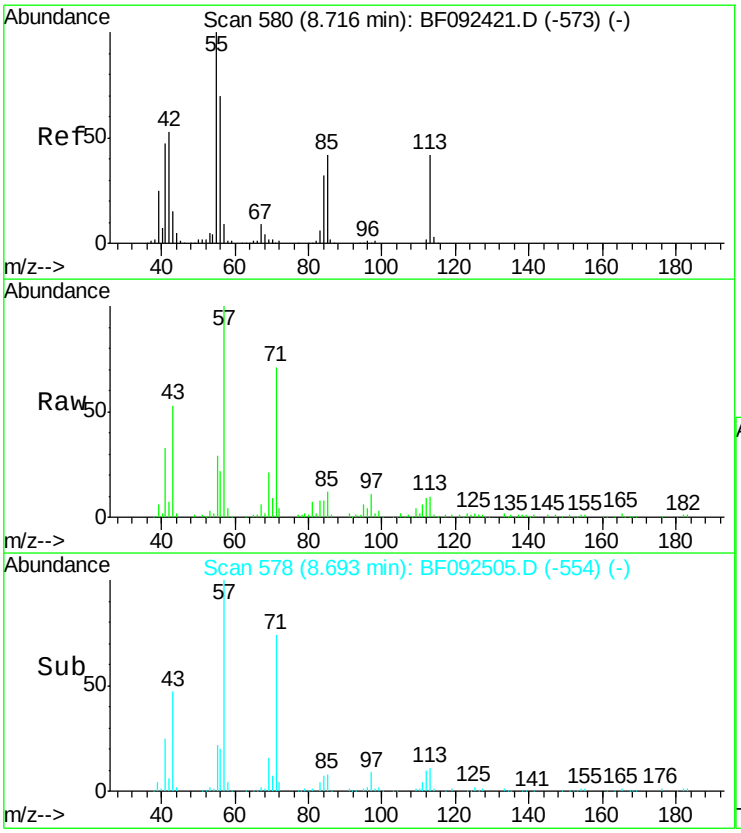
#32
Benzoic acid
Concen: 4.95 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 2130

Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.2	147.2#
77	139.2	74.5	114.5#

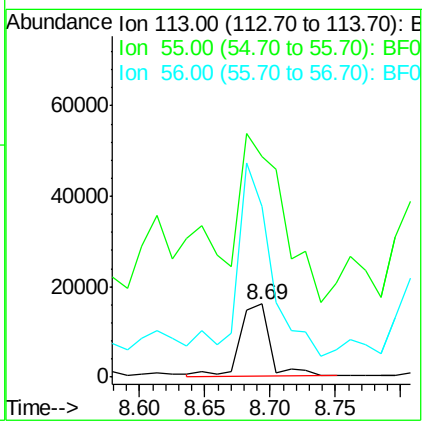


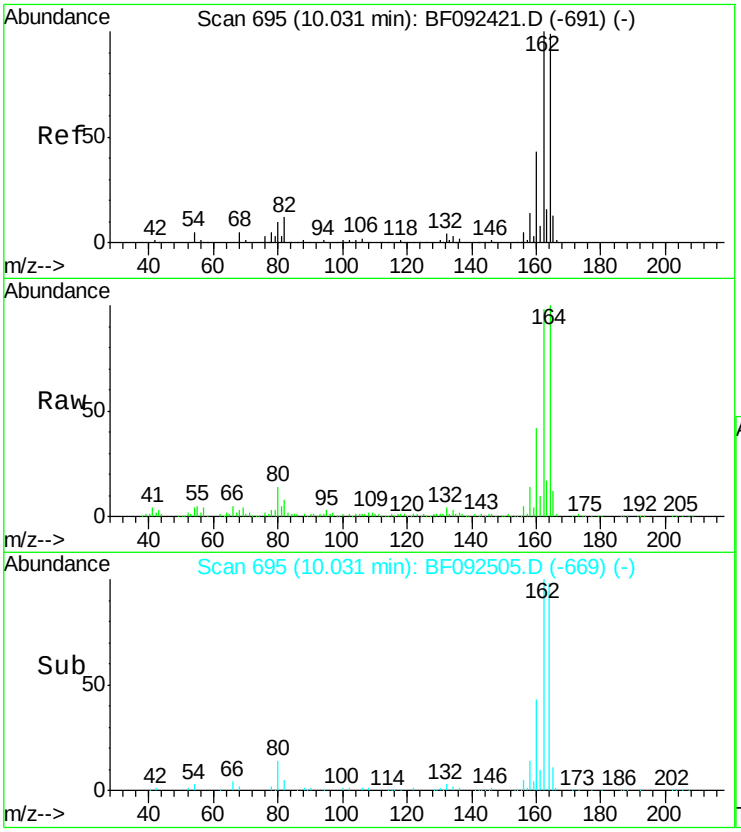


#35
Caprolactam
Concen: 8.49 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:113 Resp: 25013

Ion	Ratio	Lower	Upper
113	100		
55	302.2	119.2	159.2#
56	234.3	83.8	123.8#



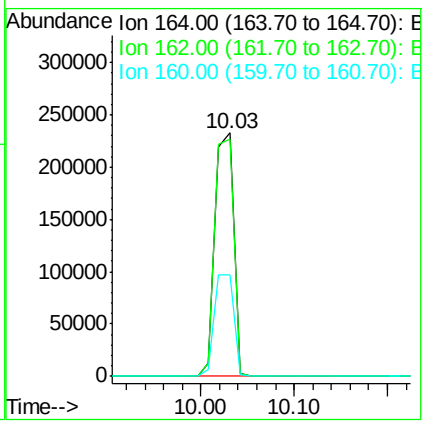


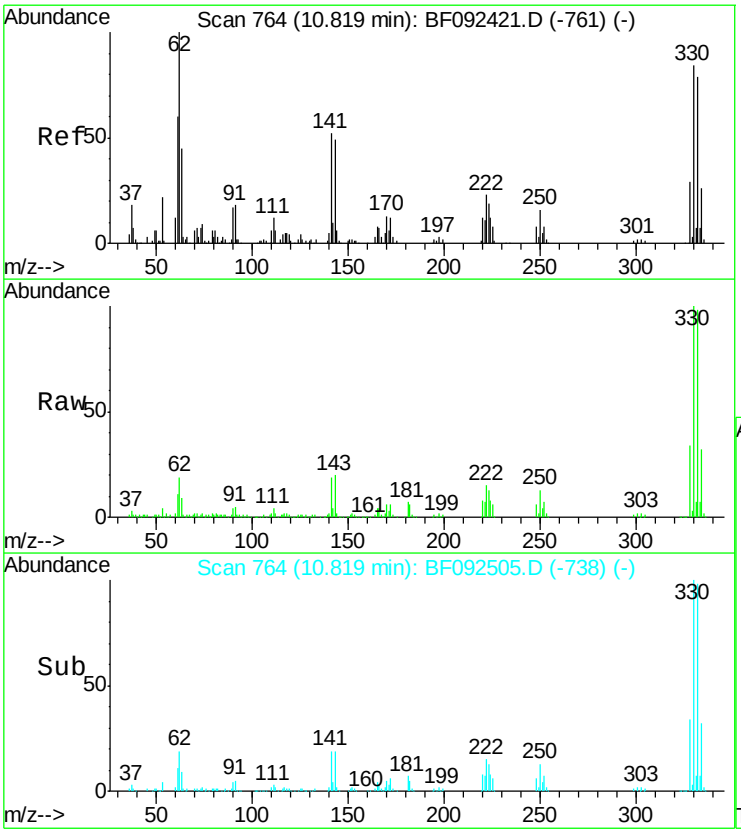
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 321346

Ion	Ratio	Lower	Upper
164	100		
162	97.7	80.2	120.2
160	41.8	36.9	55.3

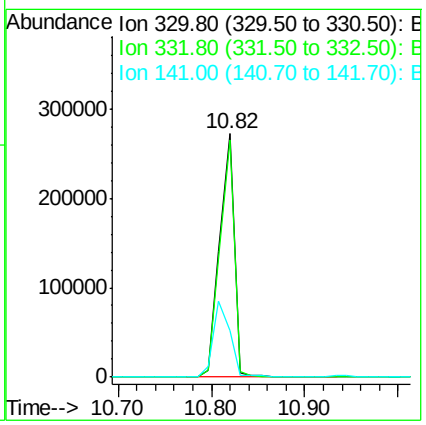


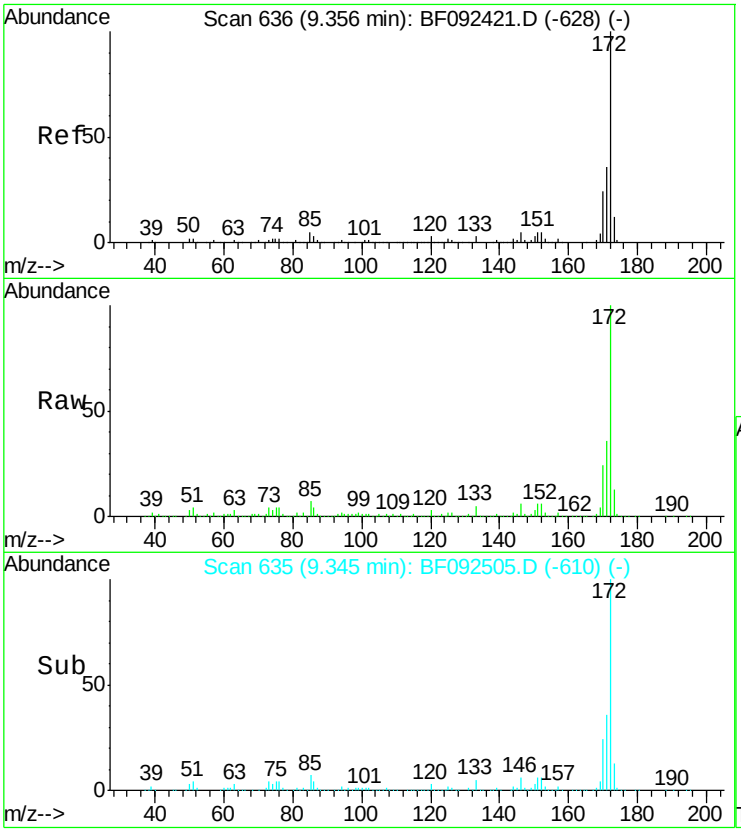


#41
2,4,6-Tribromophenol
Concen: 136.20 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:330 Resp: 298256

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.2
141	35.7	34.1	51.1



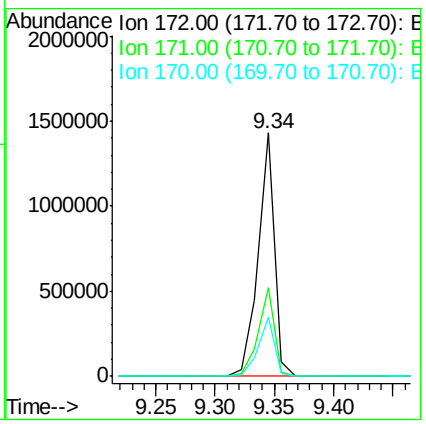


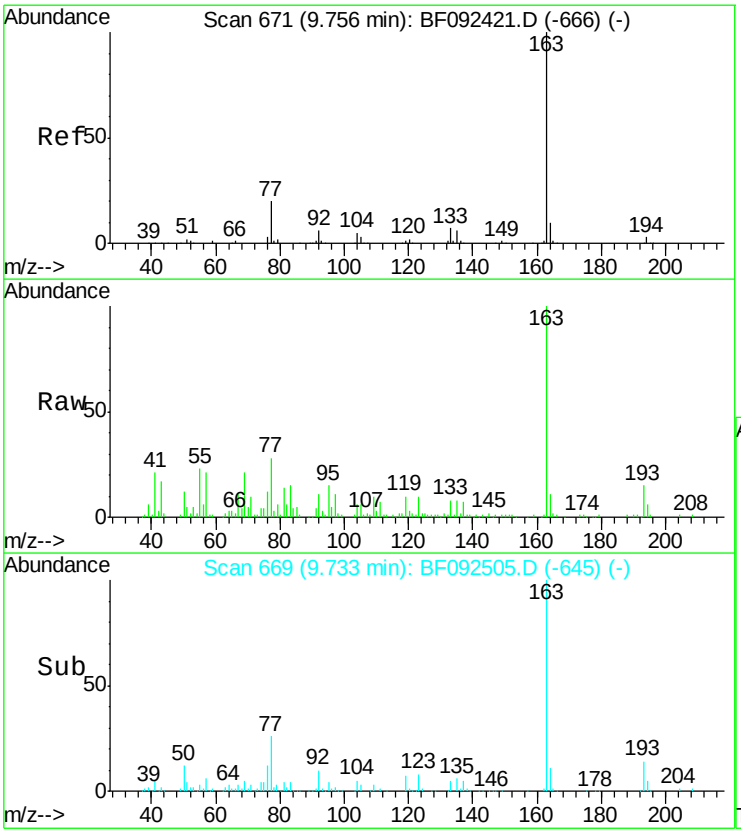
#44
2-Fluorobiphenyl
Concen: 79.33 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1378608

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.5	20.2	30.4

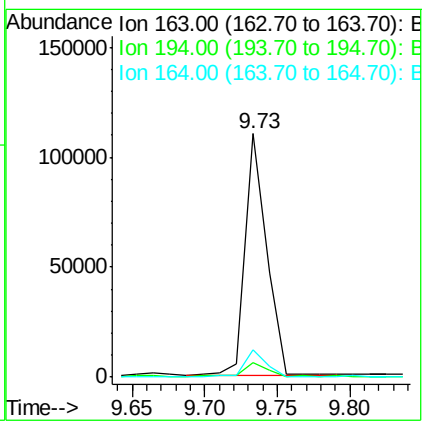


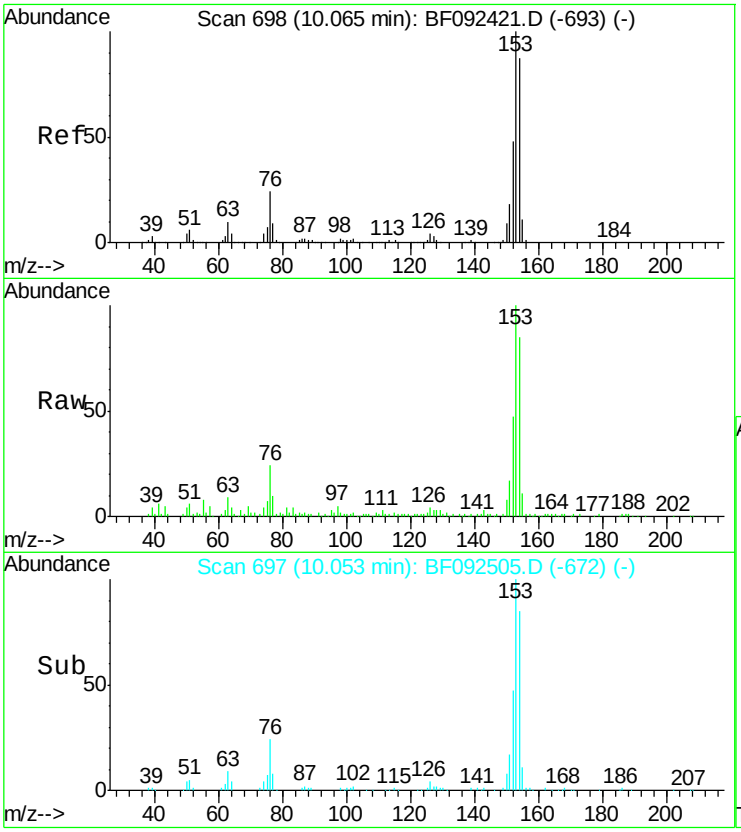


#49
Dimethylphthalate
Concen: 5.50 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:163 Resp: 112427

Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.0	4.4#
164	11.2	8.0	12.0



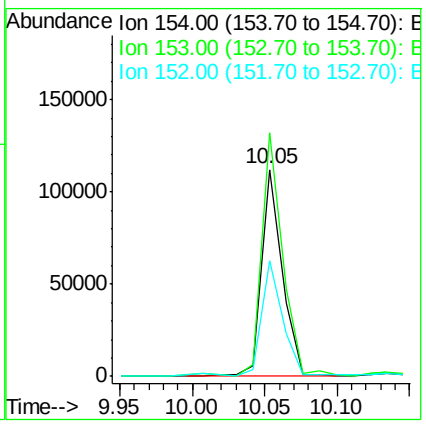


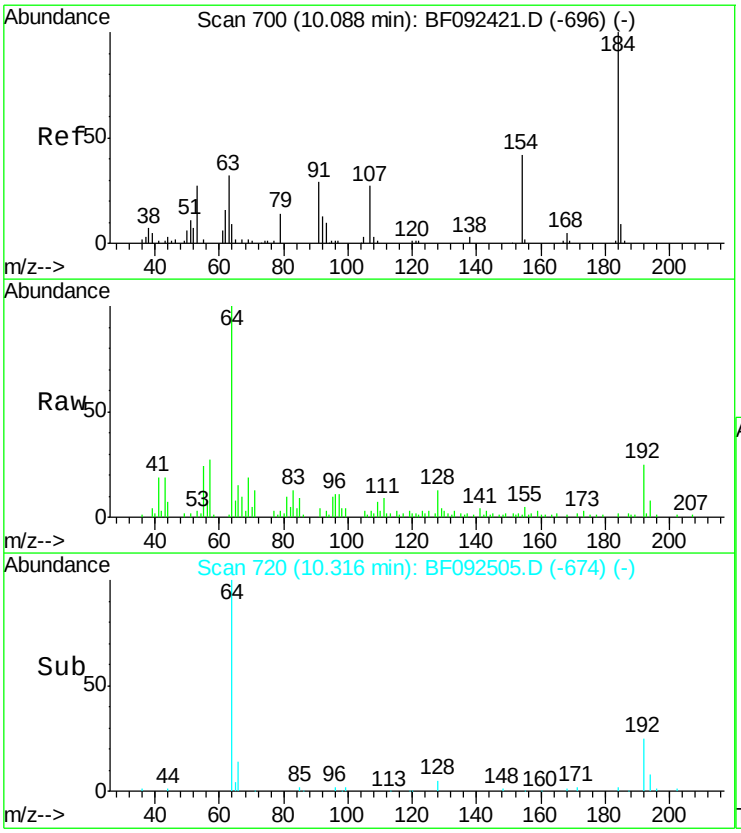
#51
Acenaphthene
Concen: 6.43 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 111106

Ion	Ratio	Lower	Upper
154	100		
153	117.9	88.6	133.0
152	55.8	41.6	62.4

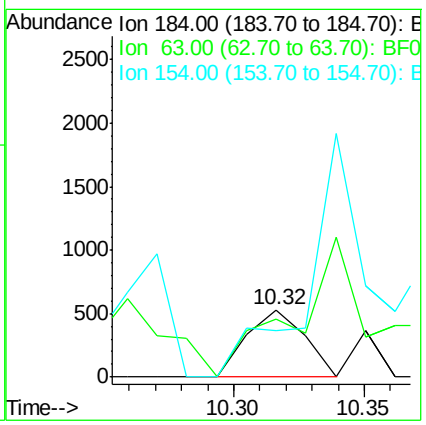


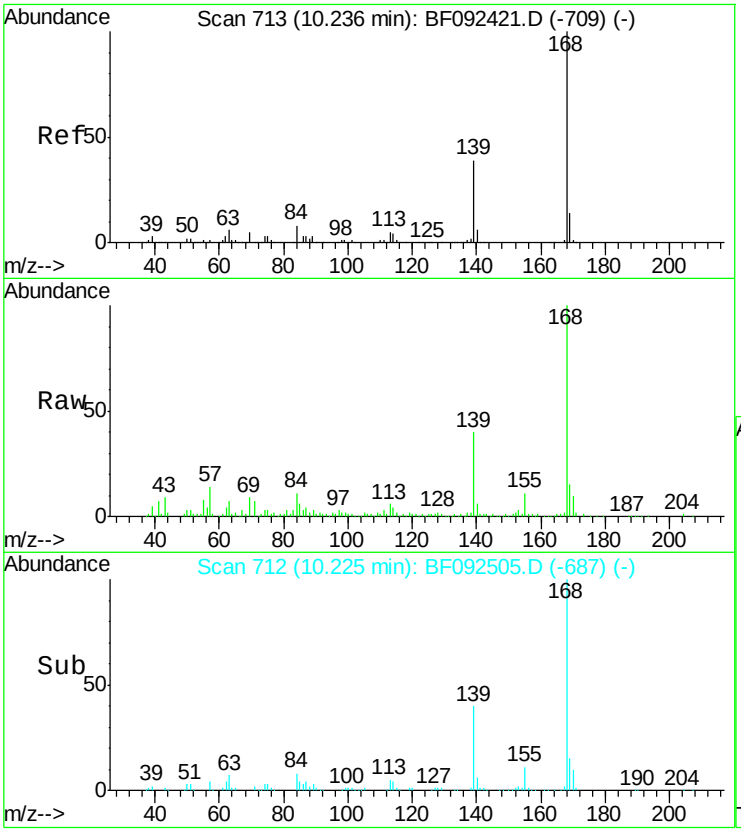


#53
2,4-Dinitrophenol
Concen: 3.46 ng
RT: 10.32 min Scan# 720
Delta R.T. 0.23 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:184 Resp: 817

Ion	Ratio	Lower	Upper
184	100		
63	86.1	28.4	42.6#
154	69.1	44.3	66.5#



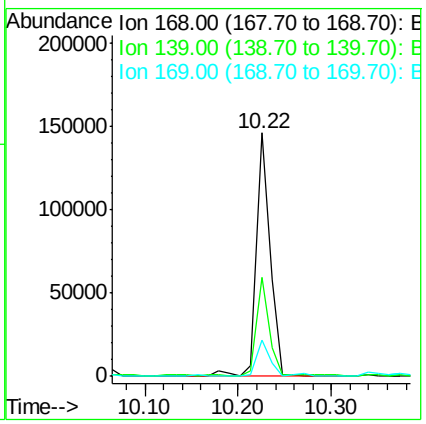


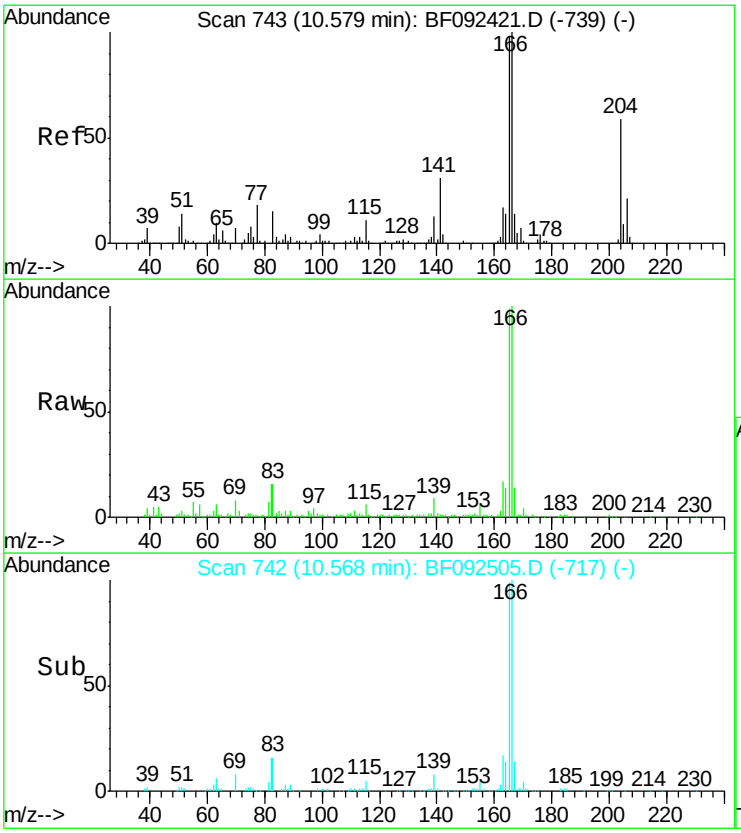
#54
Dibenzofuran
Concen: 6.43 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 151015

Ion	Ratio	Lower	Upper
168	100		
139	40.5	32.6	49.0
169	15.0	11.3	16.9

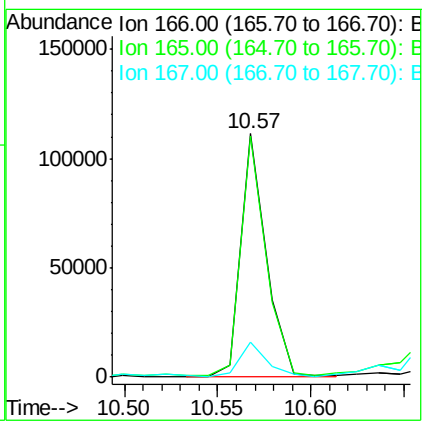


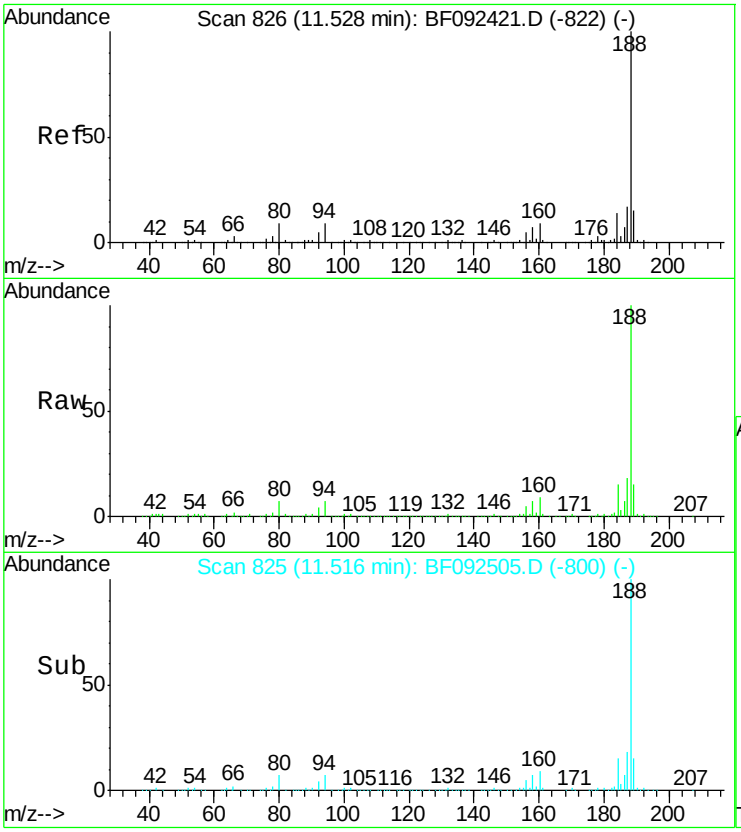


#57
Fluorene
Concen: 6.13 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:166 Resp: 106669

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.8	116.8
167	14.4	10.8	16.2



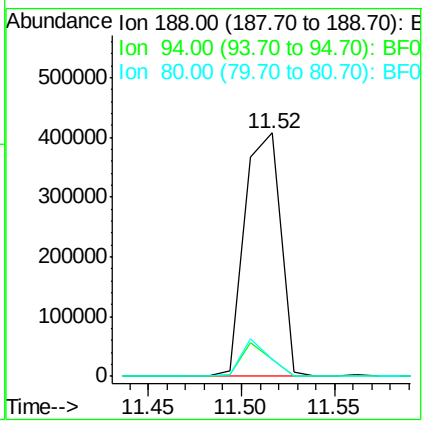


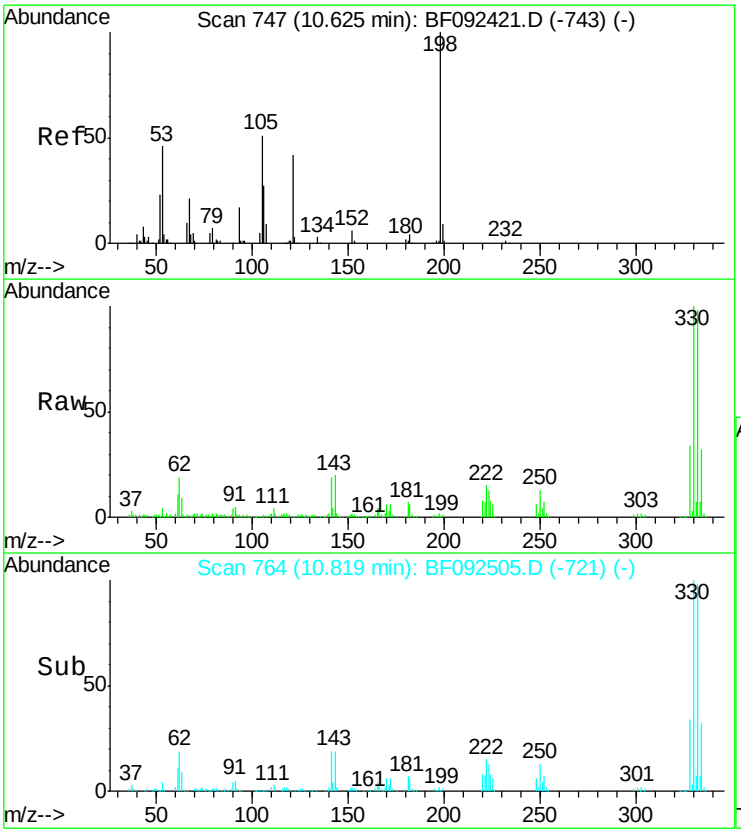
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 544805

Ion	Ratio	Lower	Upper
188	100		
94	7.2	10.0	15.0#
80	7.1	11.2	16.8#

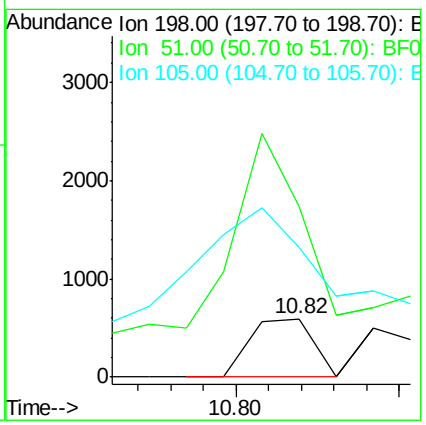


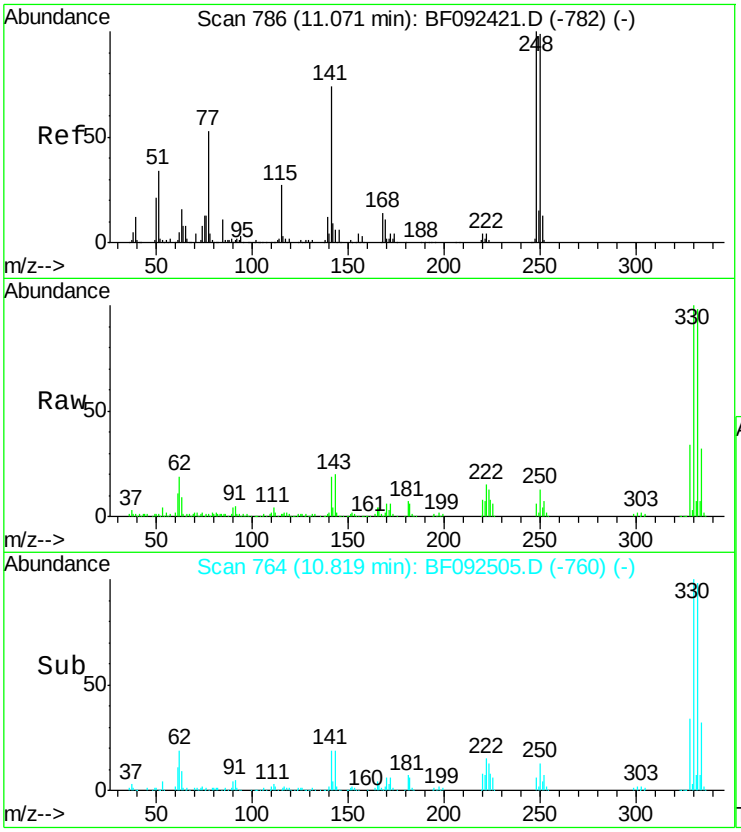


#64
4,6-Dinitro-2-methylphenol
Concen: 5.19 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.20 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:198 Resp: 795

Ion	Ratio	Lower	Upper
198	100		
51	291.9	6.7	46.7#
105	221.3	16.6	56.6#



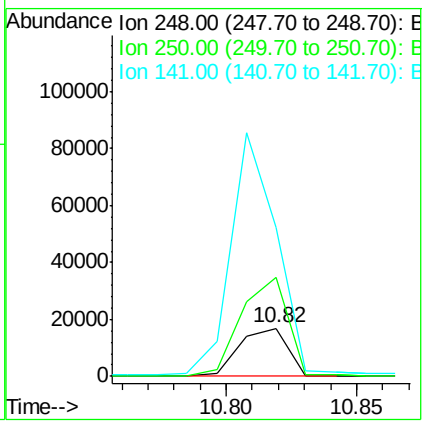


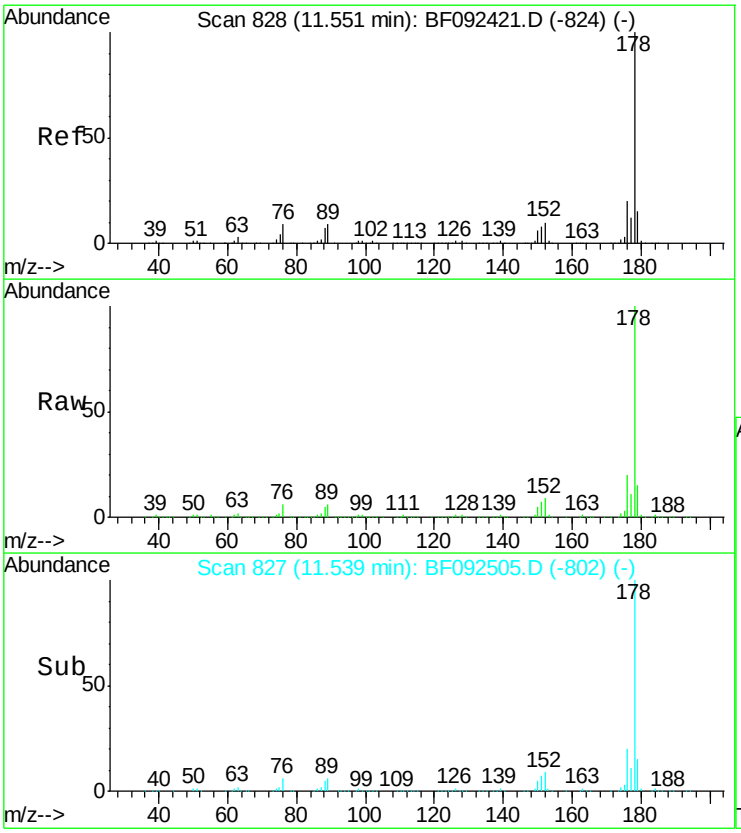
#66
4-Bromophenyl-phenylether
Concen: 4.01 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 22064

Ion	Ratio	Lower	Upper
248	100		
250	203.9	76.9	115.3#
141	306.3	68.2	102.4#

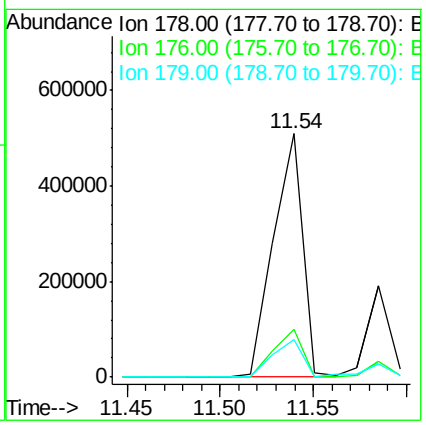


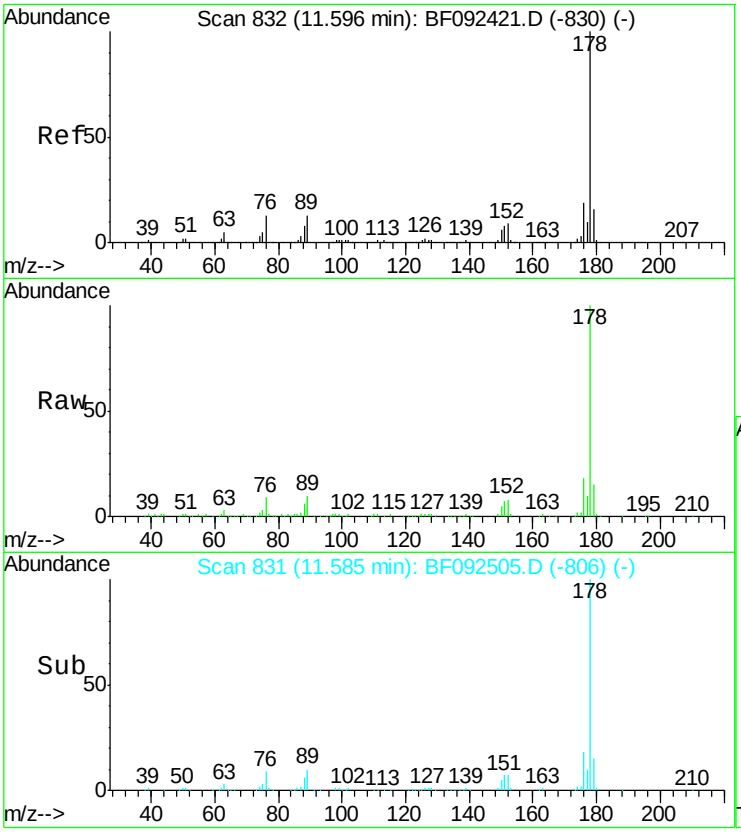


#70
Phenanthrene
Concen: 18.46 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:178 Resp: 553962

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.2	12.8	19.2



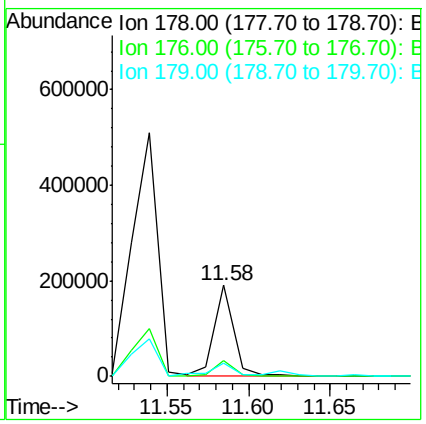


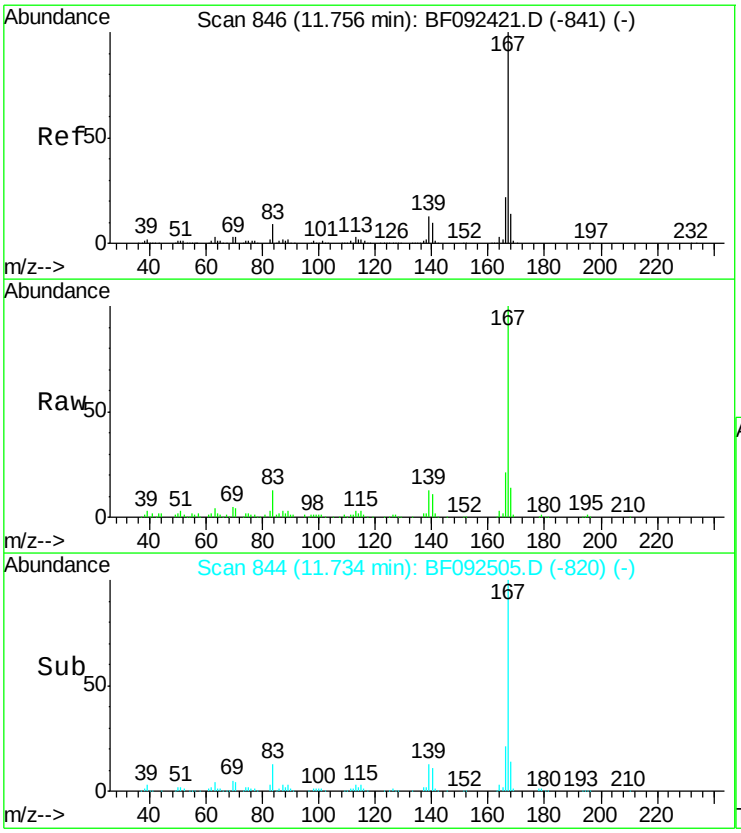
#71
Anthracene
Concen: 5.42 ng
RT: 11.58 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 158891

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	15.0	13.2	19.8

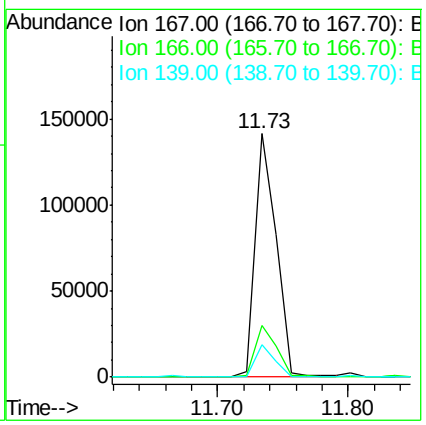


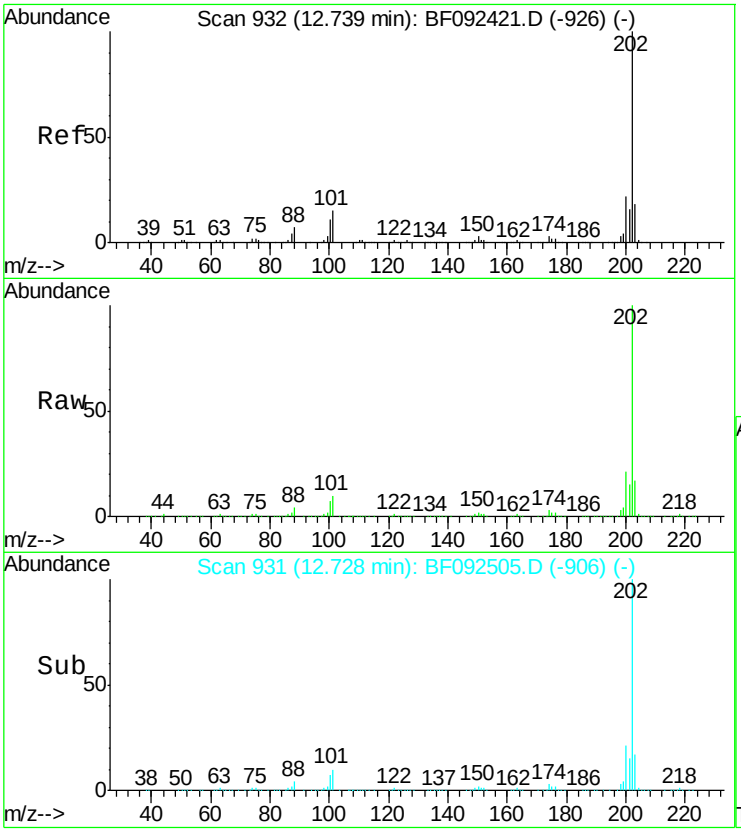


#72
Carbazole
Concen: 5.73 ng
RT: 11.73 min Scan# 844
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:167 Resp: 160280

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.2	27.2
139	13.3	11.4	17.2



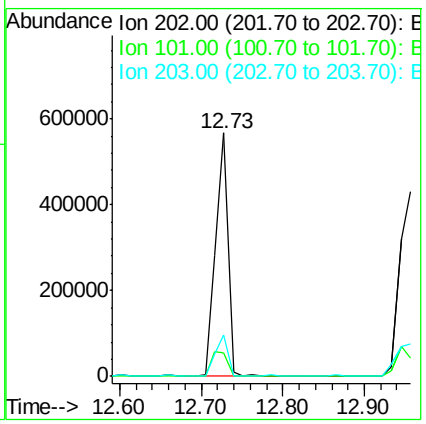


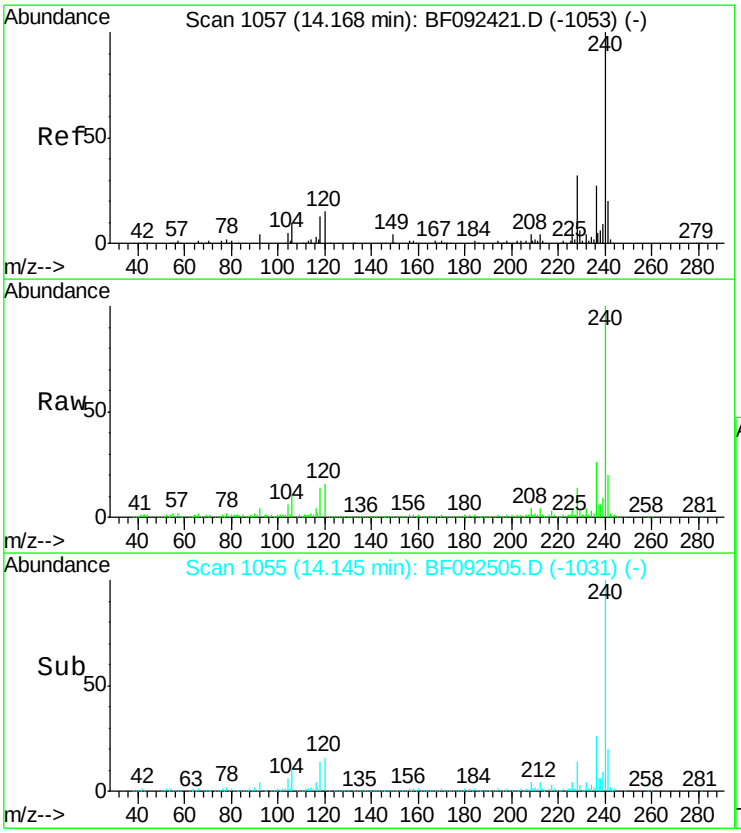
#74
Fluoranthene
Concen: 20.29 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 595449

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.6
203	17.0	0.0	38.7

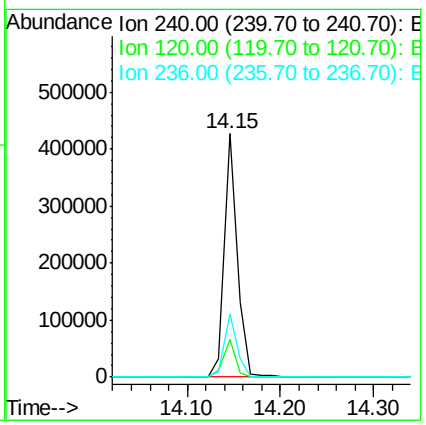


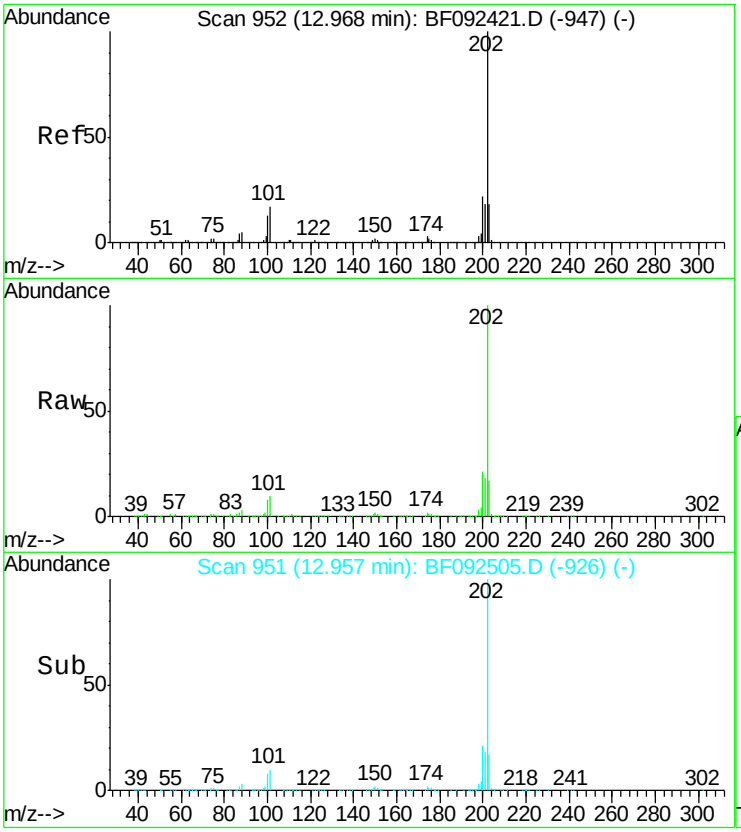


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:240 Resp: 416037

Ion	Ratio	Lower	Upper
240	100		
120	15.5	12.9	19.3
236	26.1	20.9	31.3



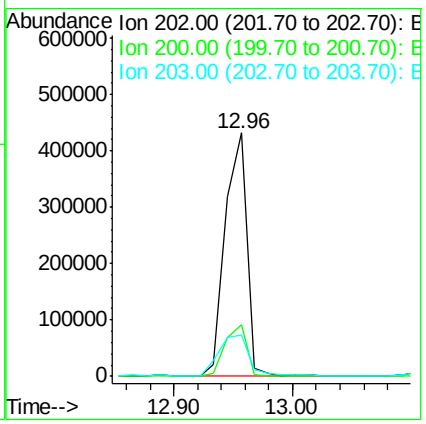


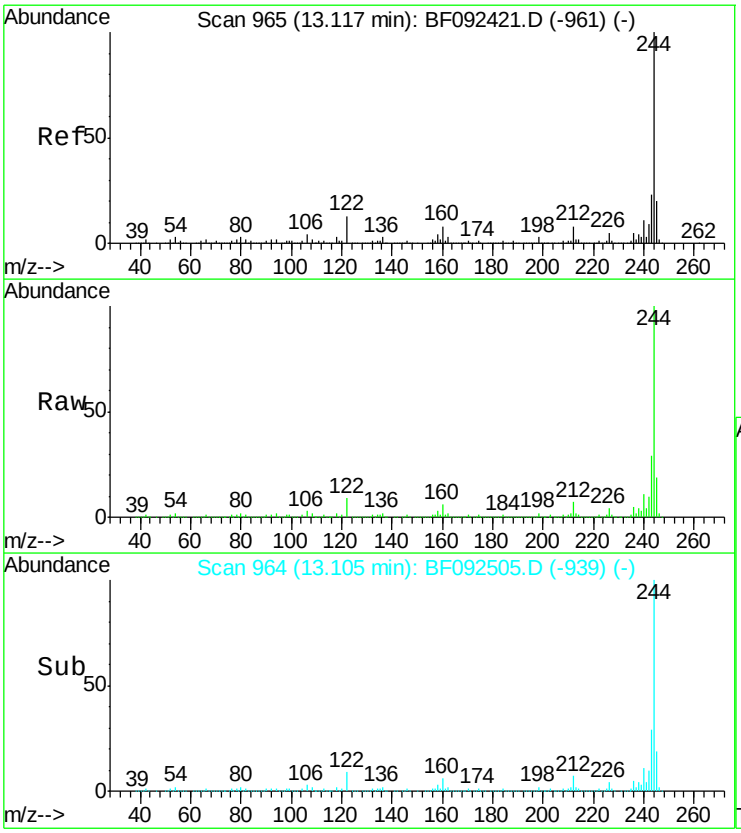
#77
Pyrene
Concen: 17.97 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 541626

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.2	14.7	22.1

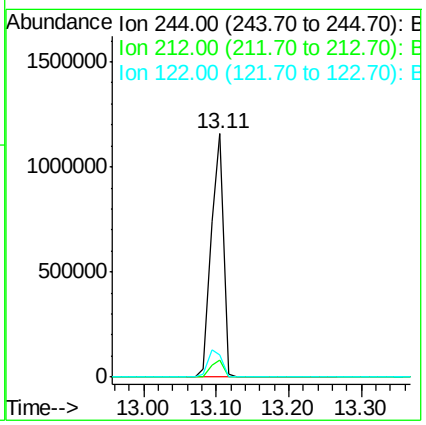


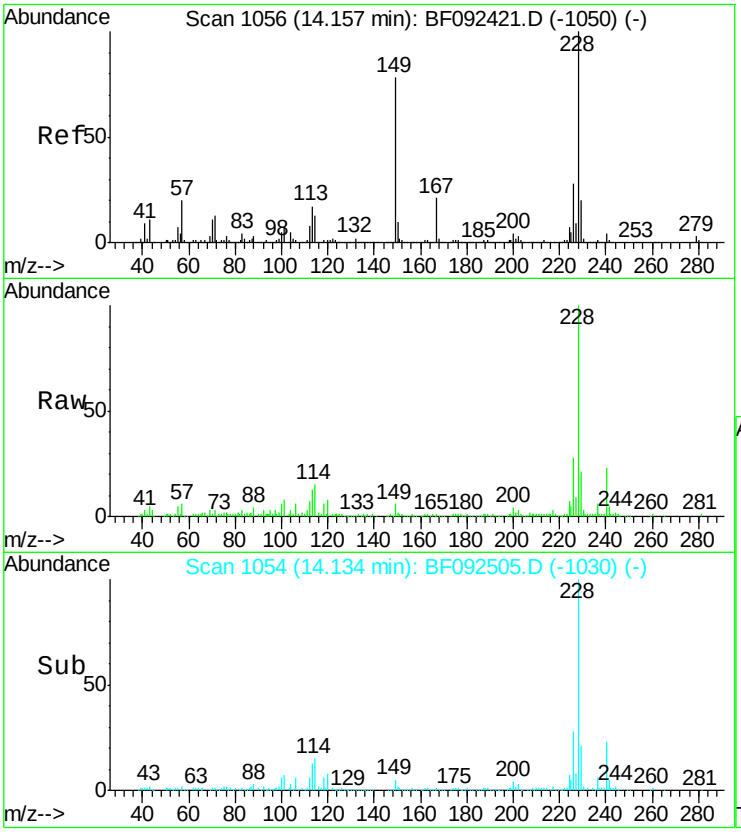


#78
Terphenyl-d14
Concen: 86.53 ng
RT: 13.11 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:244 Resp: 1351978

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	9.2	11.4	17.2#



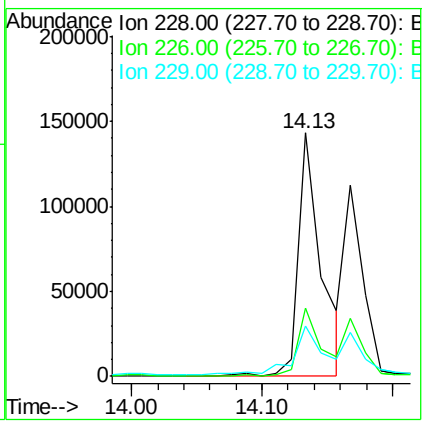


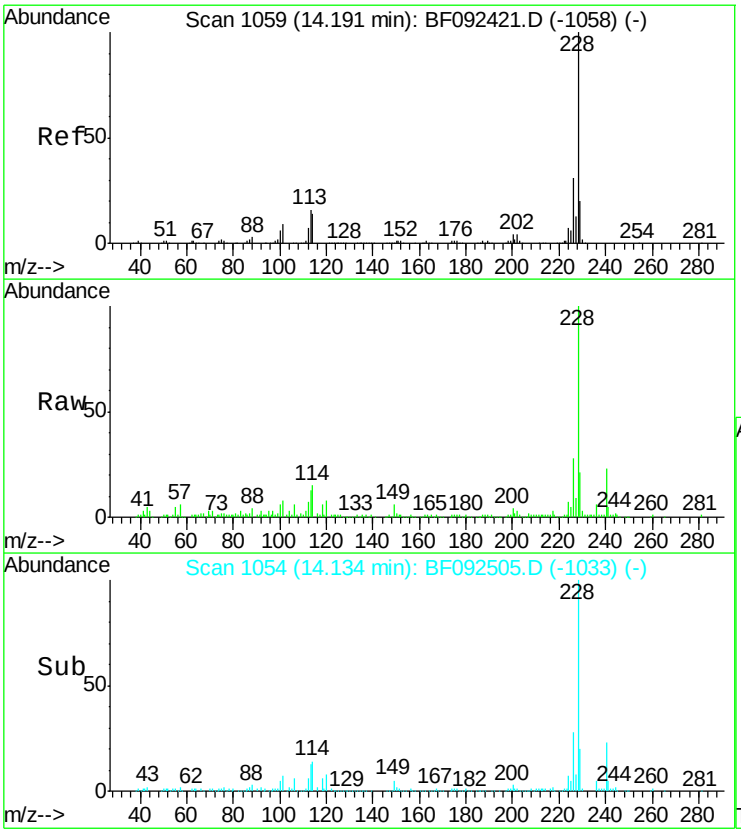
#80
Benzo(a)anthracene
Concen: 7.73 ng
RT: 14.13 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 172902

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.4	33.6
229	20.9	16.2	24.4

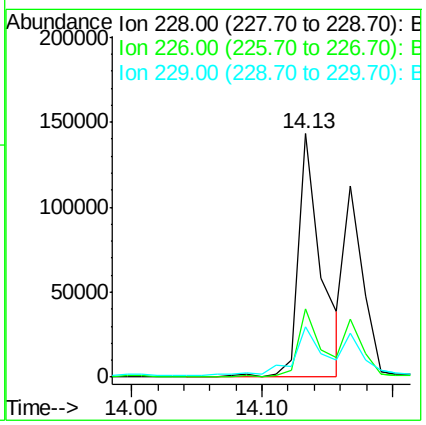


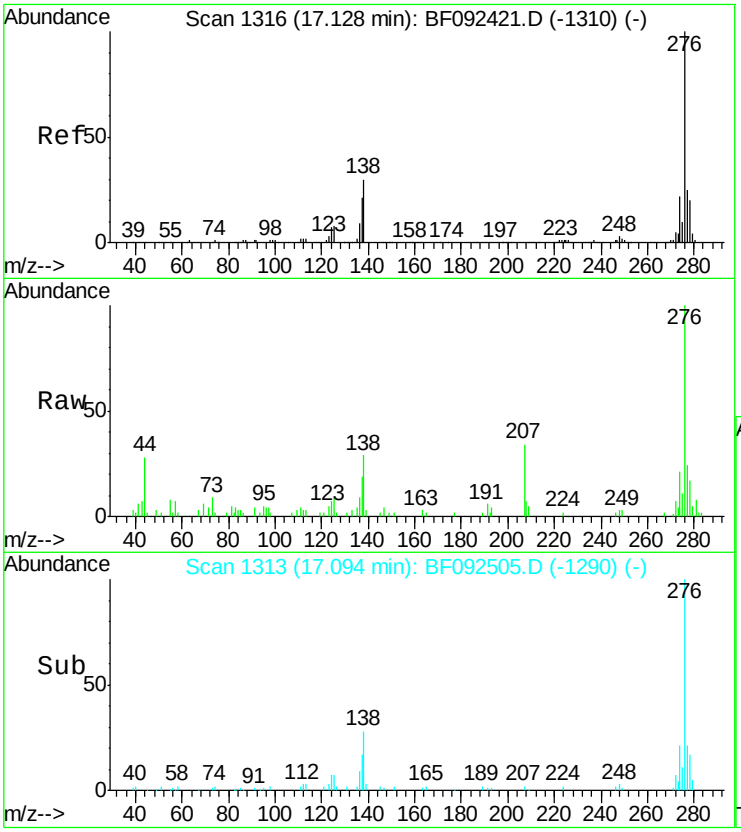


#82
Chrysene
Concen: 7.24 ng
RT: 14.13 min Scan# 1054
Delta R.T. -0.06 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:228 Resp: 172902

Ion	Ratio	Lower	Upper
228	100		
226	28.2	25.4	38.0
229	20.9	16.2	24.2



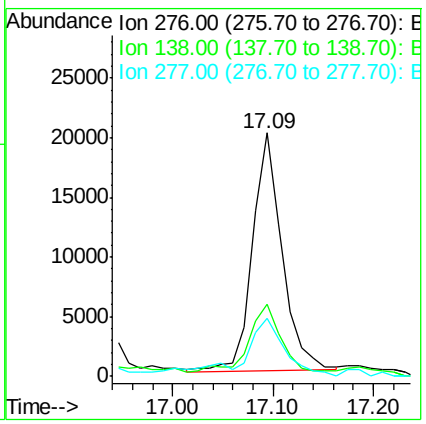


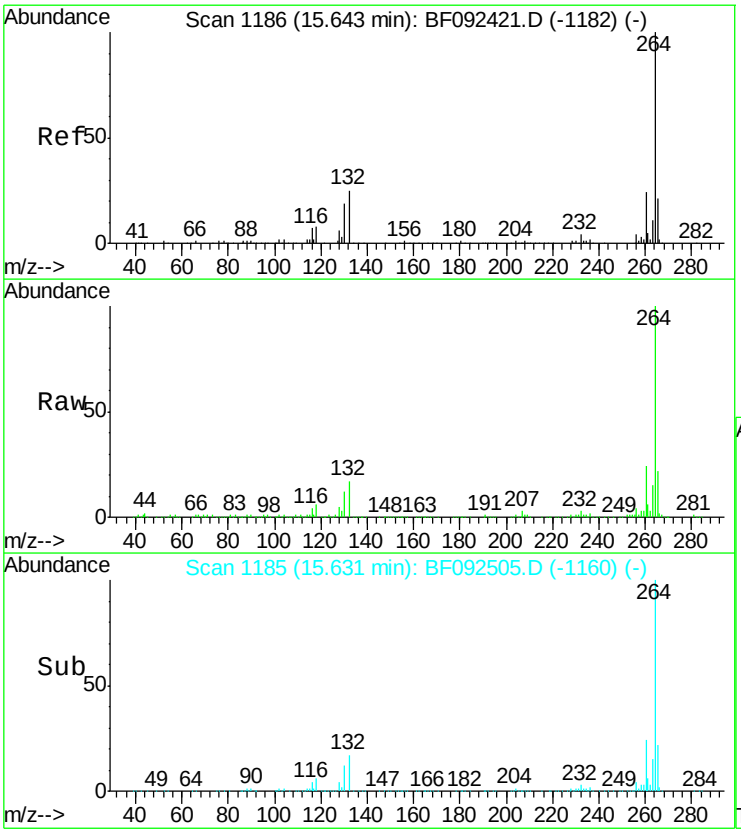
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 40754

Ion	Ratio	Lower	Upper
276	100		
138	31.2	21.8	32.6
277	35.8	20.2	30.4#

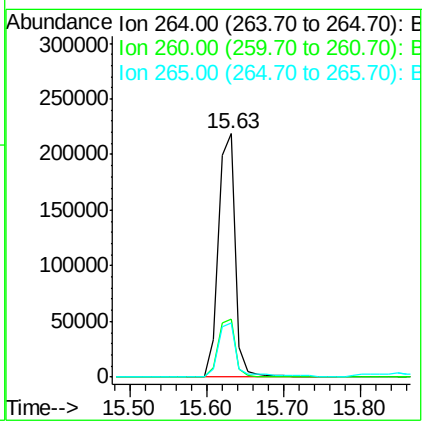


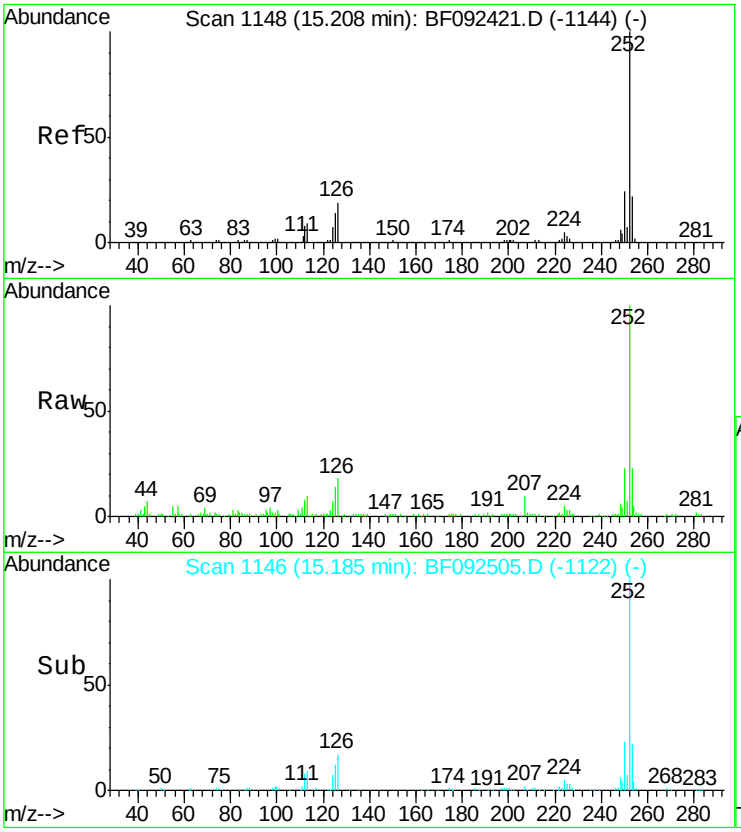


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:264 Resp: 340034

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.4	26.0



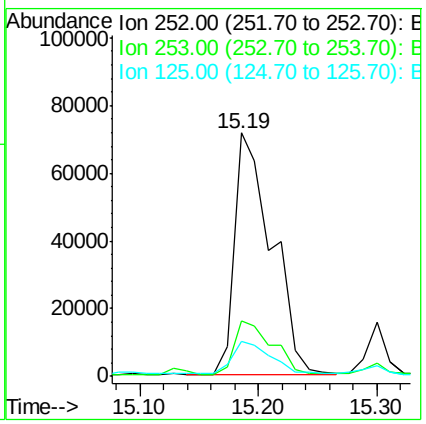


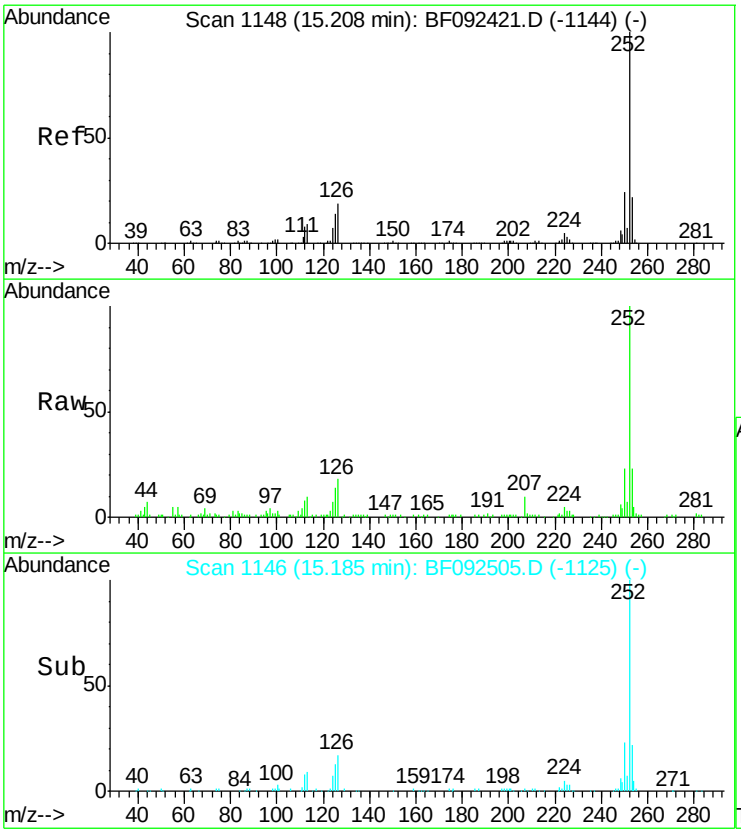
#87
Benzo(b)fluoranthene
Concen: 7.20 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 157110

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.1	9.8	14.6

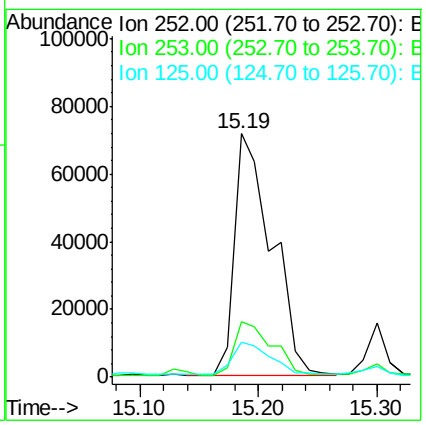


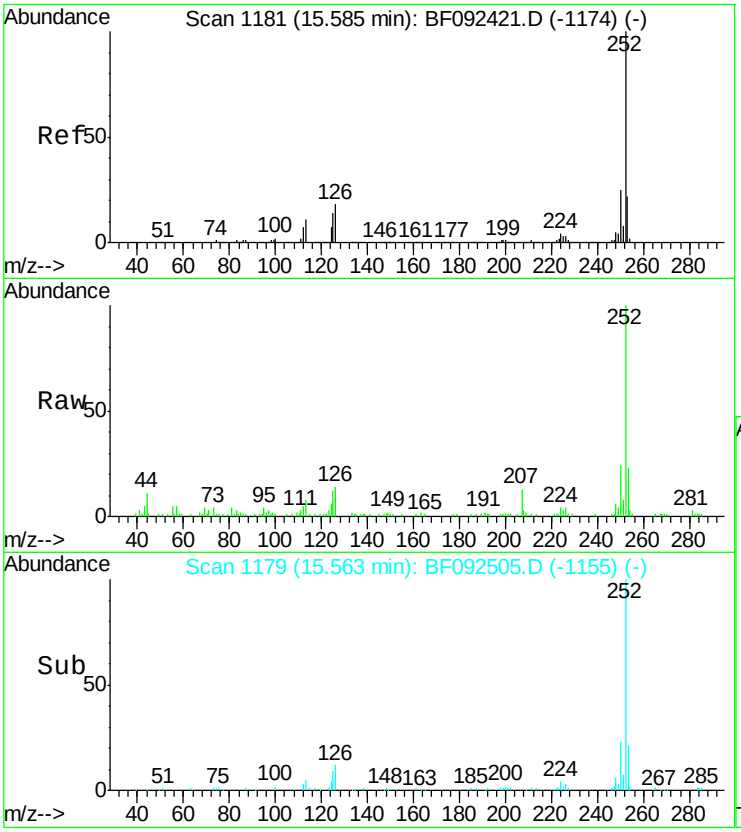


#88
Benzo(k)fluoranthene
Concen: 8.66 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:252 Resp: 157110

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	14.1	8.9	13.3#



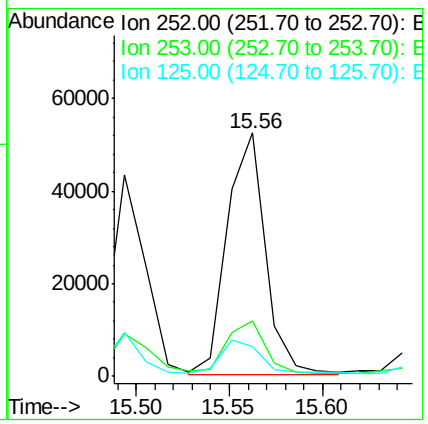


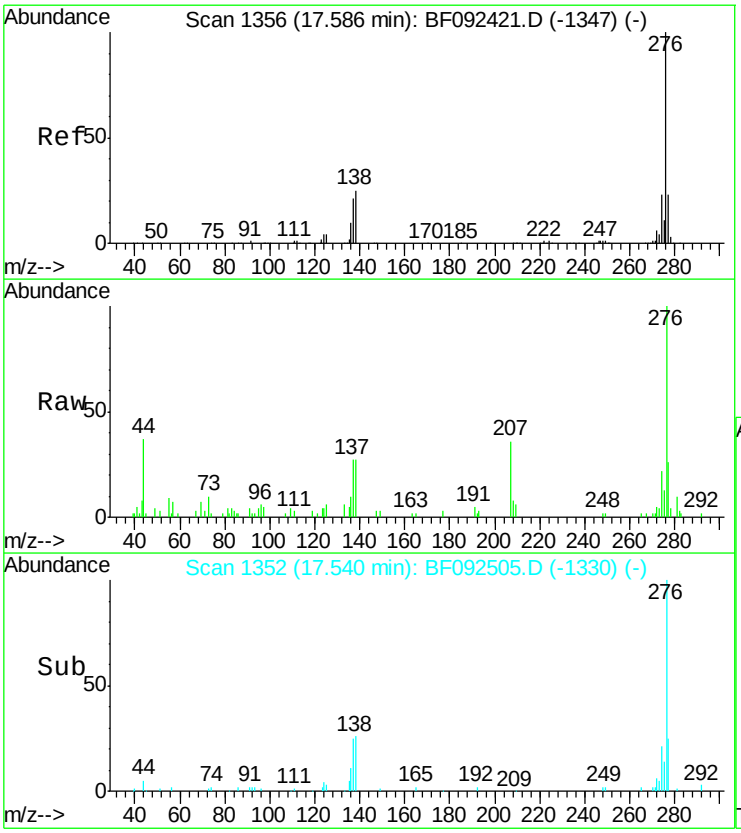
#89
Benzo(a)pyrene
Concen: 4.07 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 75221

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.4	10.0	15.0





#91
Benzo(g,h,i)perylene
Concen: 2.85 ng
RT: 17.54 min Scan# 1352
Delta R.T. -0.05 min
Lab File: BF092505.D
Acq: 26 Jan 2017 4:22

Tgt Ion:276 Resp: 42965

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	27.3	16.0	24.0#