Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
Data File : BF090393.D
Acq On : 5 Oct 2016 21:29
Operator : UM/SJ
Sample : H4803-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BN-WP

Quant Time: Oct 06 11:24:27 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	234743	20.00	ng		0.00
21) Naphthalene-d8	8.29	136	1038717	20.00	ng		0.00
38) Acenaphthene-d10	10.05	164	501684	20.00	ng		0.00
63) Phenanthrene-d10	11.54	188	741661	20.00	ng		-0.01
75) Chrysene-d12	14.20	240	567020	20.00	ng		0.00
86) Perylene-d12	15.70	264	384981	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	2000456	127.19	ng		0.01
7) Phenol-d6	6.63	99	3096934	150.34	ng		0.01
23) Nitrobenzene-d5	7.57	82	1932447	90.50	ng		0.00
41) 2,4,6-Tribromophenol	10.85	330	656587	160.95	ng		0.00
44) 2-Fluorobiphenyl	9.37	172	2863866	95.11	ng		-0.01
78) Terphenyl-d14	13.14	244	2636676	104.54	ng		0.00
Target Compounds							Qvalue
11) bis(2-Chloroethyl)ether	6.74	93	2667294	145.45	ng		91
12) 1,3-Dichlorobenzene	6.95	146	2883571	167.12	ng		96
13) 1,4-Dichlorobenzene	7.02	146	1353673	77.24	ng		99
14) 1,2-Dichlorobenzene	7.18	146	2053584	121.62	ng		97
24) Nitrobenzene	7.58	77	943403	44.50	ng		97
25) Isophorone	7.82	82	1025899	26.28	ng		96
31) Naphthalene	8.31	128	1181856	23.58	ng		97
34) Hexachlorobutadiene	8.44	225	753088	96.94	ng		98
37) 2-Methylnaphthalene	9.01	142	2475113	81.60	ng		99
48) Acenaphthylene	9.93	152	6511333	143.67	ng		92
49) Dimethylphthalate	9.78	163	3420081	106.45	ng	#	99
51) Acenaphthene	10.09	154	1862675	65.91	ng		98
57) Fluorene	10.61	166	4720905	153.58	ng		99
59) Diethylphthalate	10.47	149	2998349	90.19	ng		93
60) 4-Chlorophenyl-phenylether	10.60	204	1730562	123.82	ng		99
66) 4-Bromophenyl-phenylether	11.10	248	1614427	222.07	ng	#	77
67) Hexachlorobenzene	11.16	284	885125	109.32	ng	#	85
71) Anthracene	11.63	178	2793311	72.03	ng		98
73) Di-n-butylphthalate	12.11	149	3174006	72.38	ng		99
74) Fluoranthene	12.77	202	6709626	180.12	ng		96
79) Butylbenzylphthalate	13.62	149	2588841	133.44	ng	#	86
80) Benzo(a)anthracene	14.19	228	1729651	54.37	ng		99
82) Chrysene	14.22	228	3077226	105.10	ng		98
83) Bis(2-ethylhexyl)phthalate	14.18	149	1706694	61.89	ng		97
85) Indeno(1,2,3-cd)pyrene	17.23	276	1579697	75.67	ng		97
87) Benzo(b)fluoranthene	15.26	252	2090244	85.24	ng	#	98
89) Benzo(a)pyrene	15.65	252	3389570	160.37	ng	#	95
91) Benzo(g,h,i)perylene	17.71	276	2719003	157.57	ng	#	94

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

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Data File : BF090393.D
Acq On : 5 Oct 2016 21:29
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Sample : H4803-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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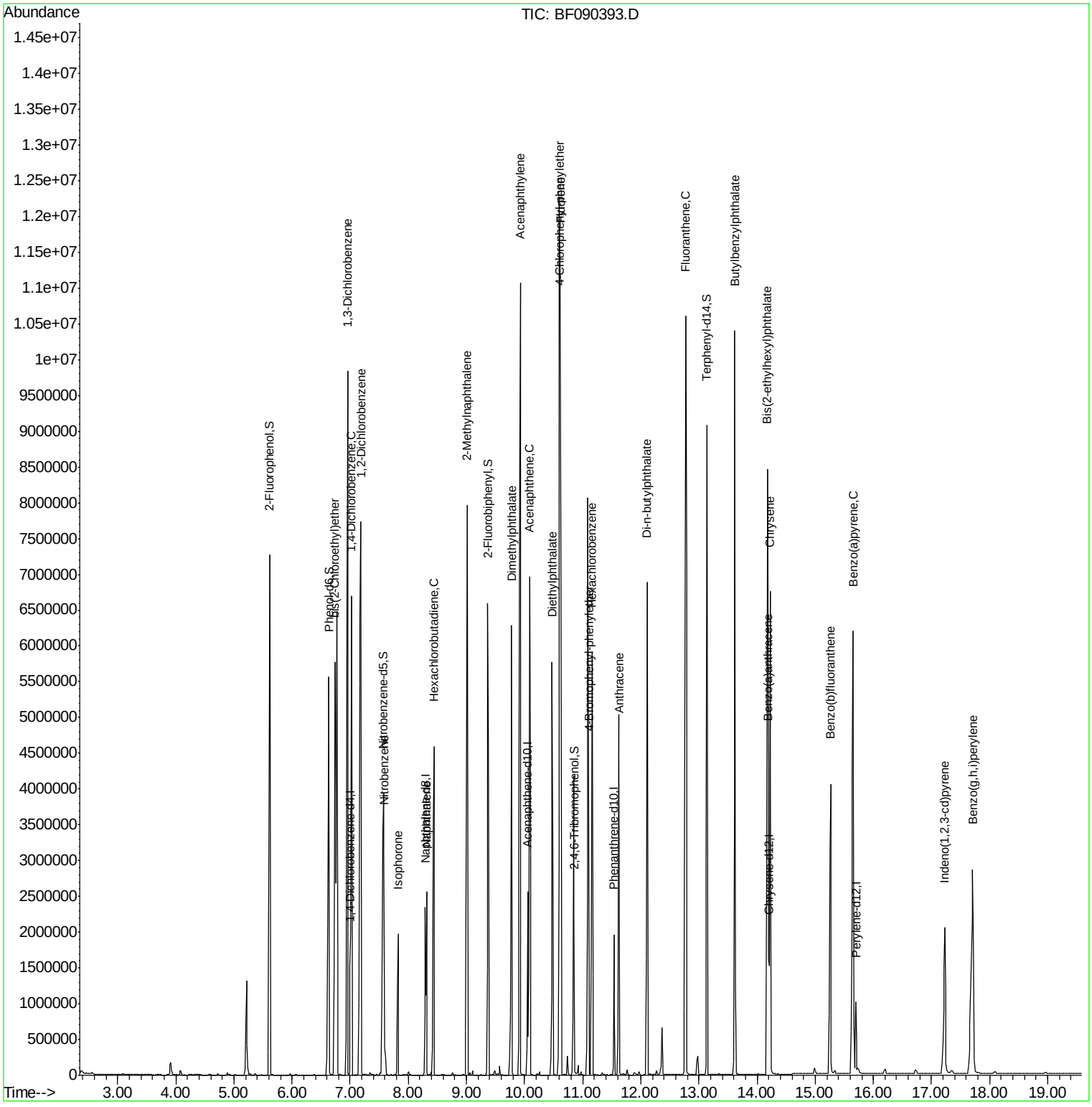
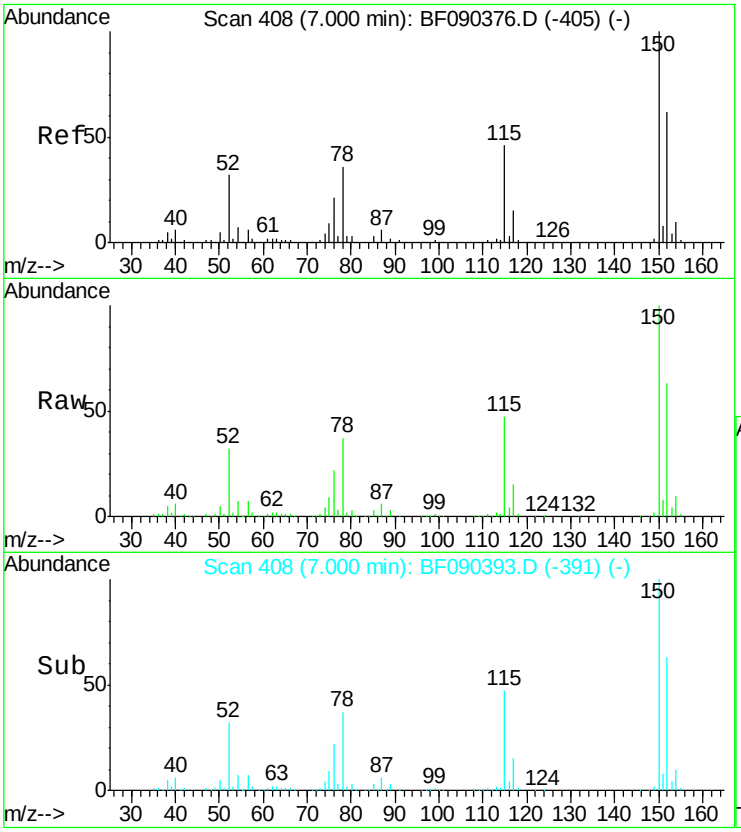


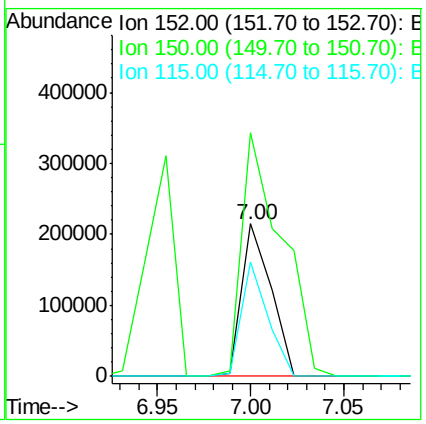


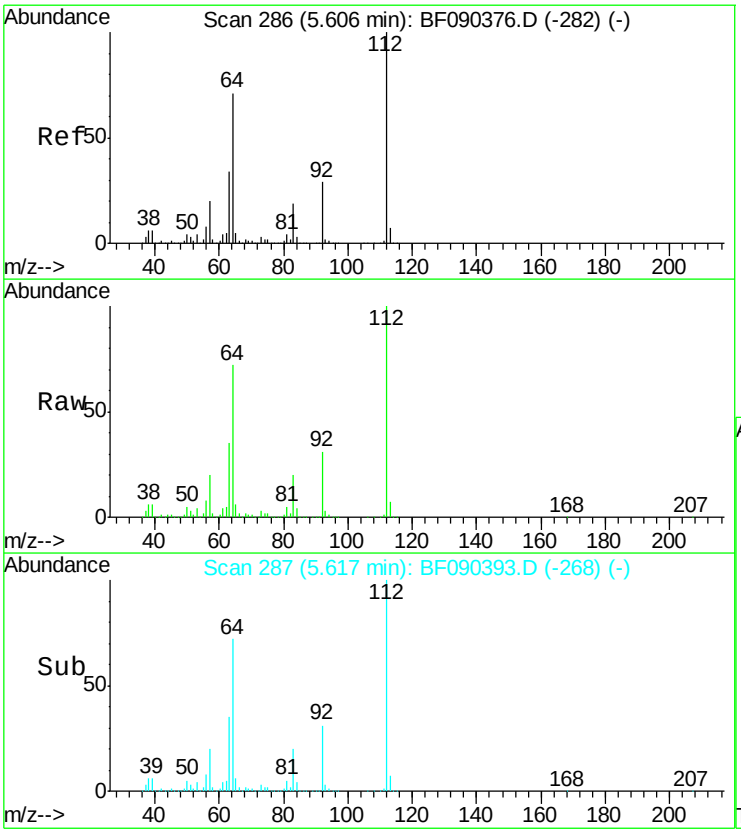
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:152 Resp: 234743

Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	75.0	46.2	69.4#

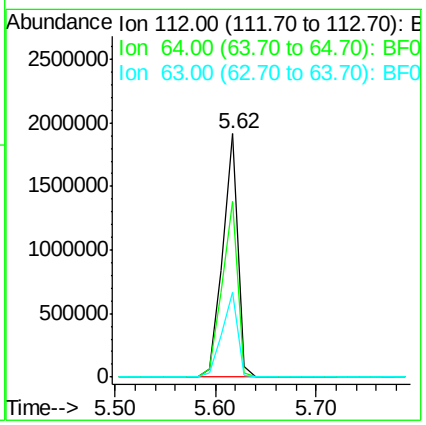


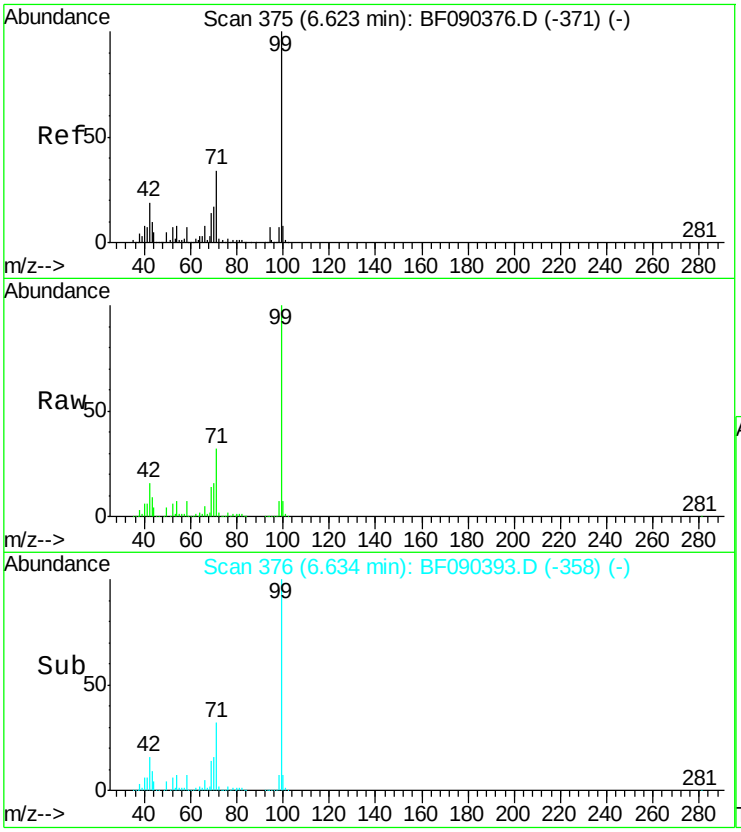


#5
2-Fluorophenol
Concen: 127.19 ng
RT: 5.62 min Scan# 287
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:112 Resp: 2000456

Ion	Ratio	Lower	Upper
112	100		
64	72.1	57.9	86.9
63	34.8	29.6	44.4



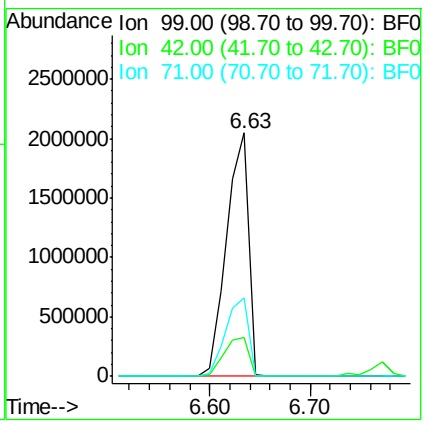


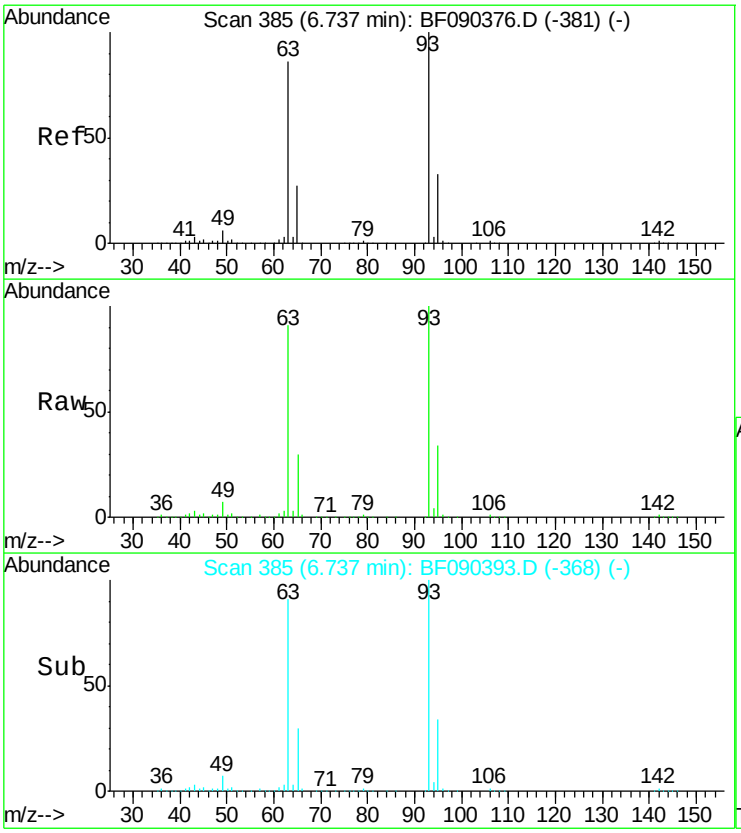
#7
Phenol-d6
Concen: 150.34 ng
RT: 6.63 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion: 99 Resp: 3096934

Ion	Ratio	Lower	Upper
99	100		
42	16.0	20.0	30.0#
71	32.1	27.9	41.9

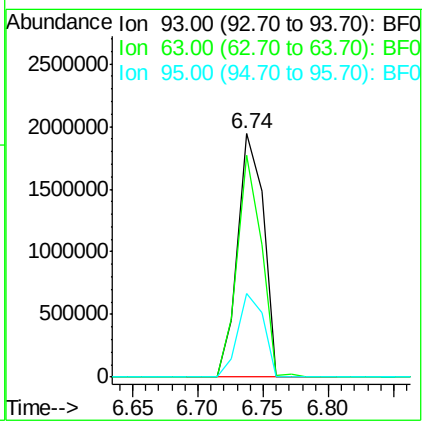


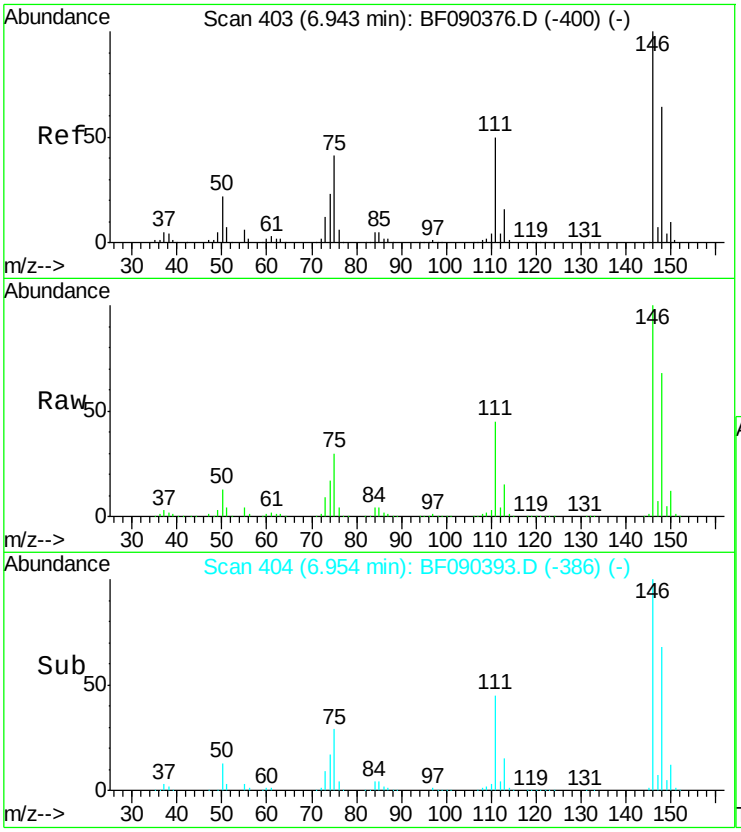


#11
bis(2-Chloroethyl)ether
Concen: 145.45 ng
RT: 6.74 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion: 93 Resp: 2667294

Ion	Ratio	Lower	Upper
93	100		
63	91.2	59.7	99.7
95	34.1	14.0	54.0



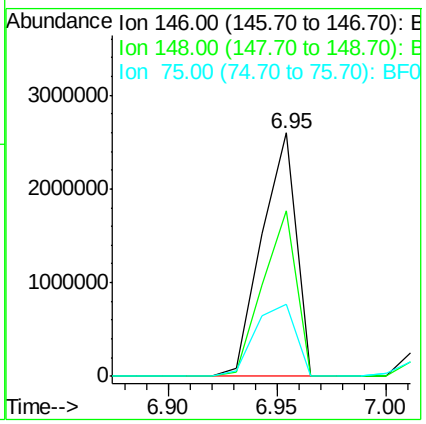


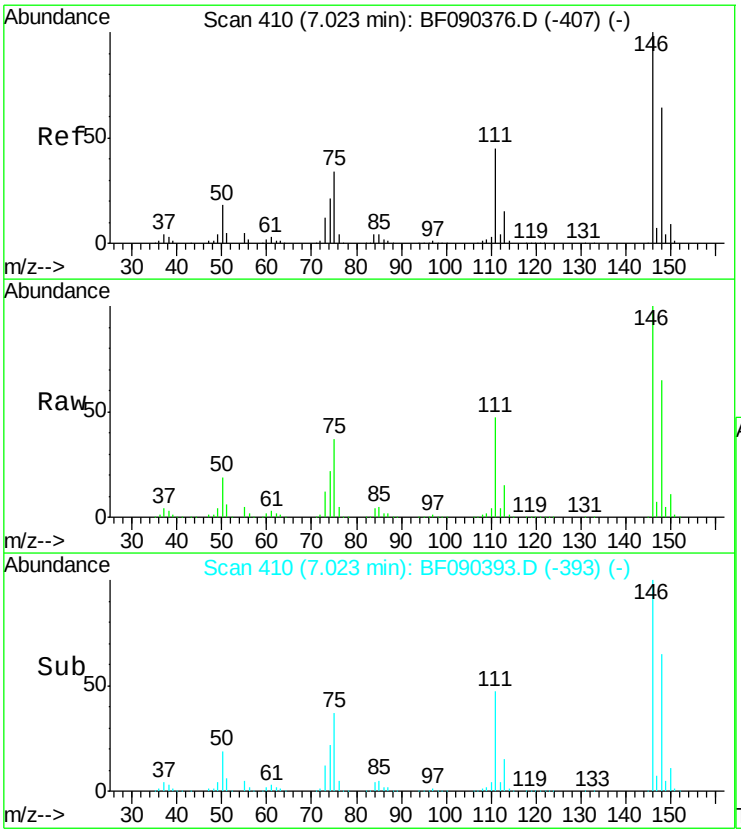
#12
1,3-Dichlorobenzene
Concen: 167.12 ng
RT: 6.95 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:146 Resp: 2883571

Ion	Ratio	Lower	Upper
146	100		
148	68.2	52.2	78.4
75	29.5	21.4	32.2

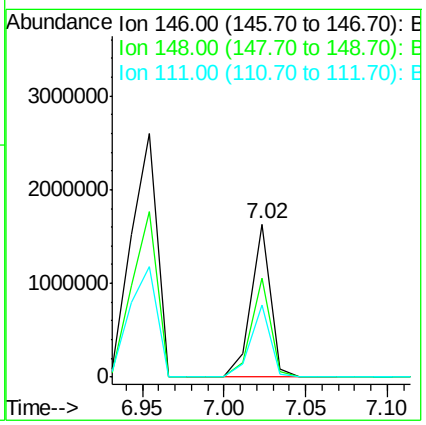


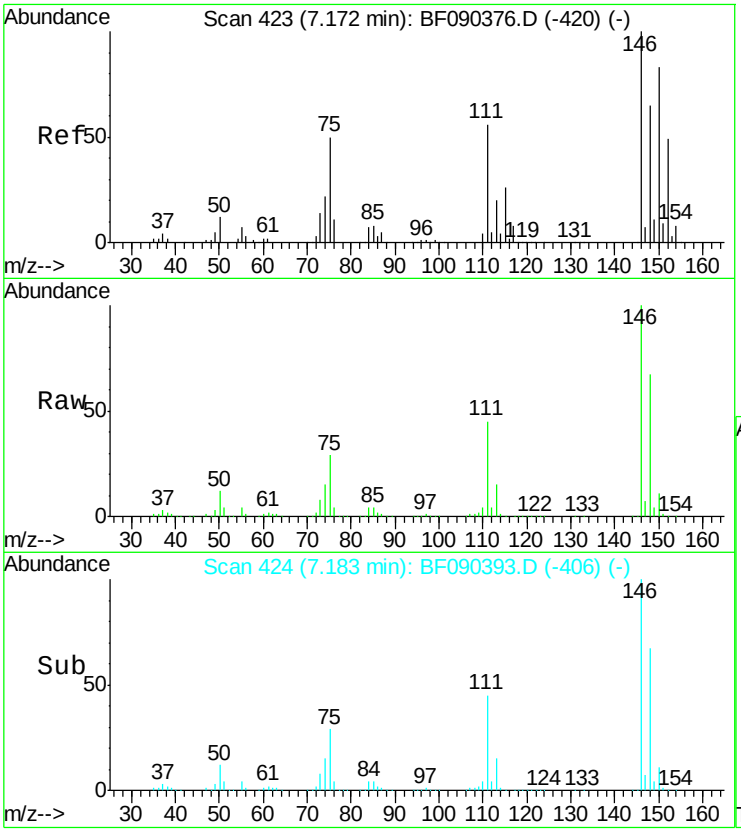


#13
1,4-Dichlorobenzene
Concen: 77.24 ng
RT: 7.02 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:146 Resp: 1353673

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.1	76.7
111	47.3	37.8	56.6



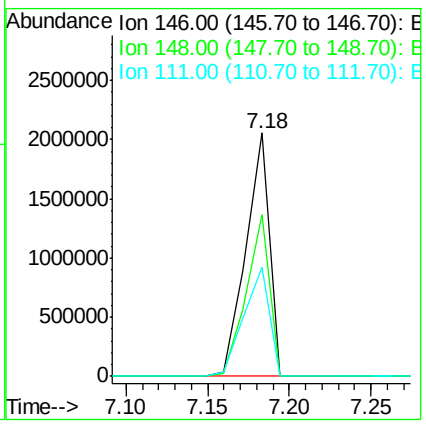


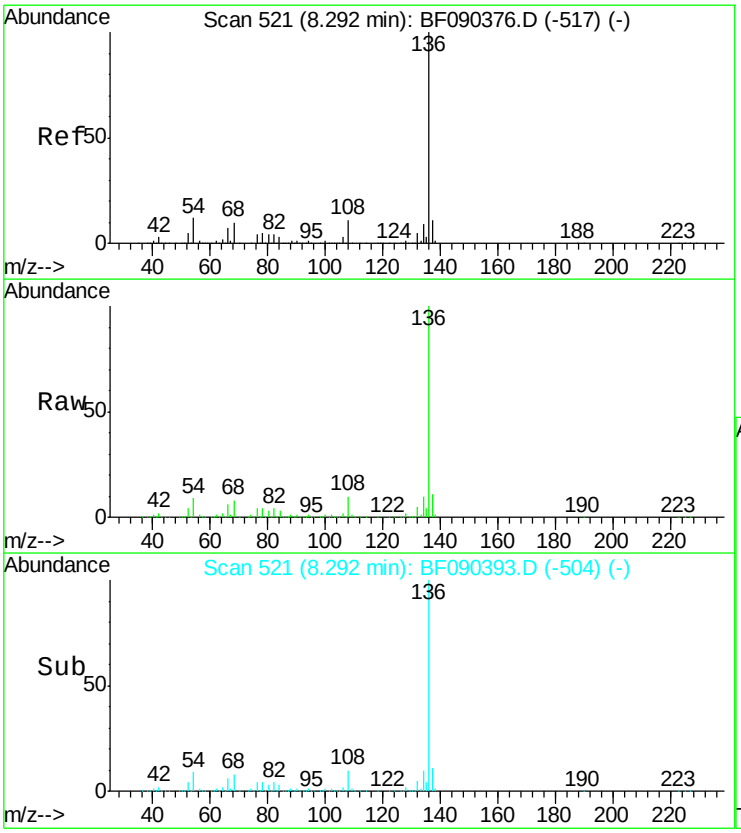
#14
1,2-Dichlorobenzene
Concen: 121.62 ng
RT: 7.18 min Scan# 424
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:146 Resp: 2053584

Ion	Ratio	Lower	Upper
146	100		
148	66.6	52.3	78.5
111	44.9	38.2	57.4

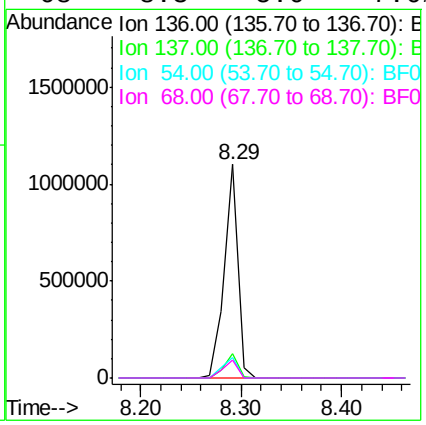


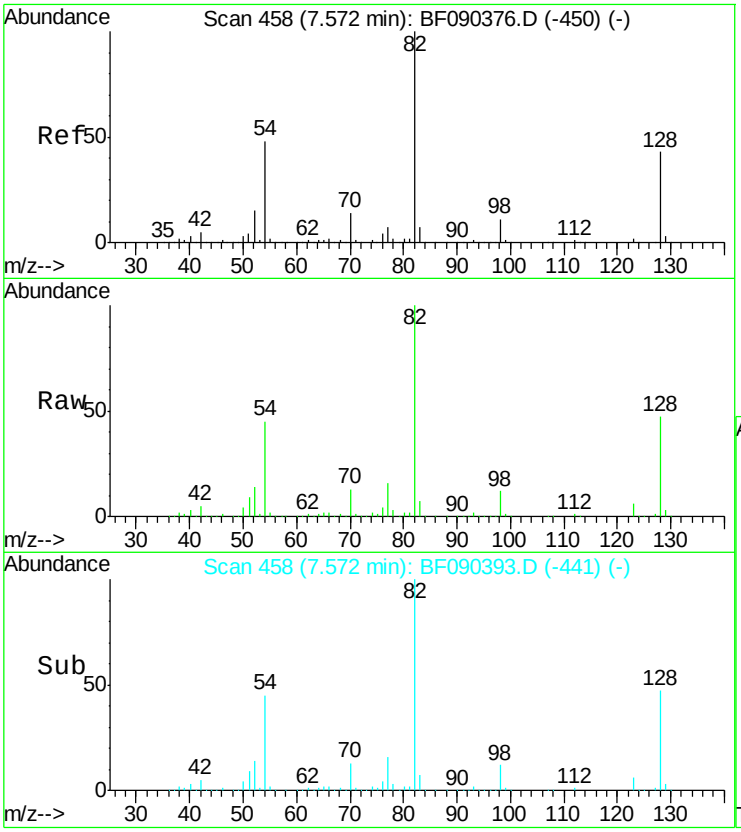


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.29 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:136 Resp: 1038717

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.5	6.6	10.0
68	8.3	5.0	7.6#



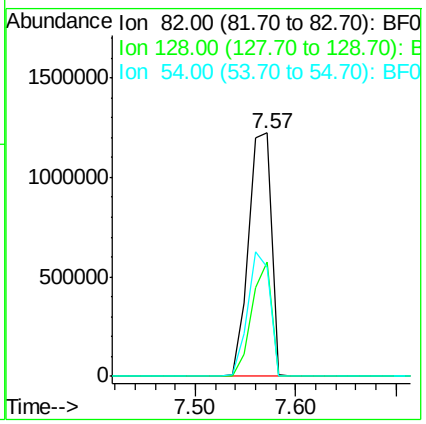


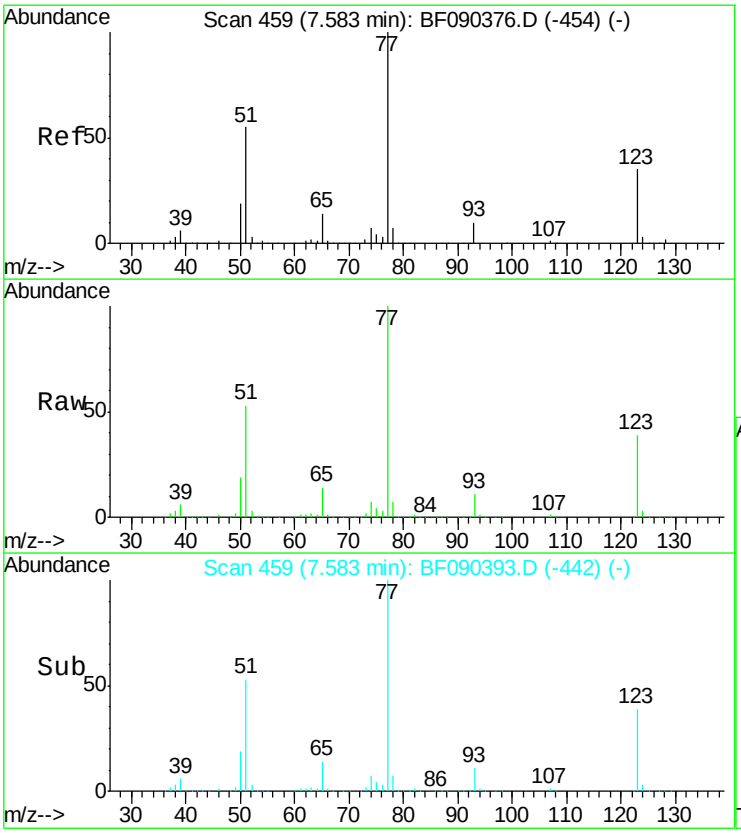
#23
Nitrobenzene-d5
Concen: 90.50 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion: 82 Resp: 1932447

Ion	Ratio	Lower	Upper
82	100		
128	46.7	40.0	60.0
54	44.8	42.6	64.0

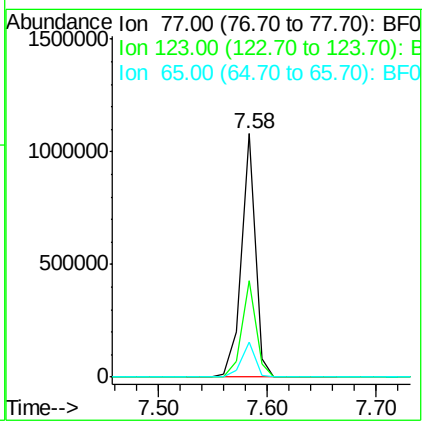


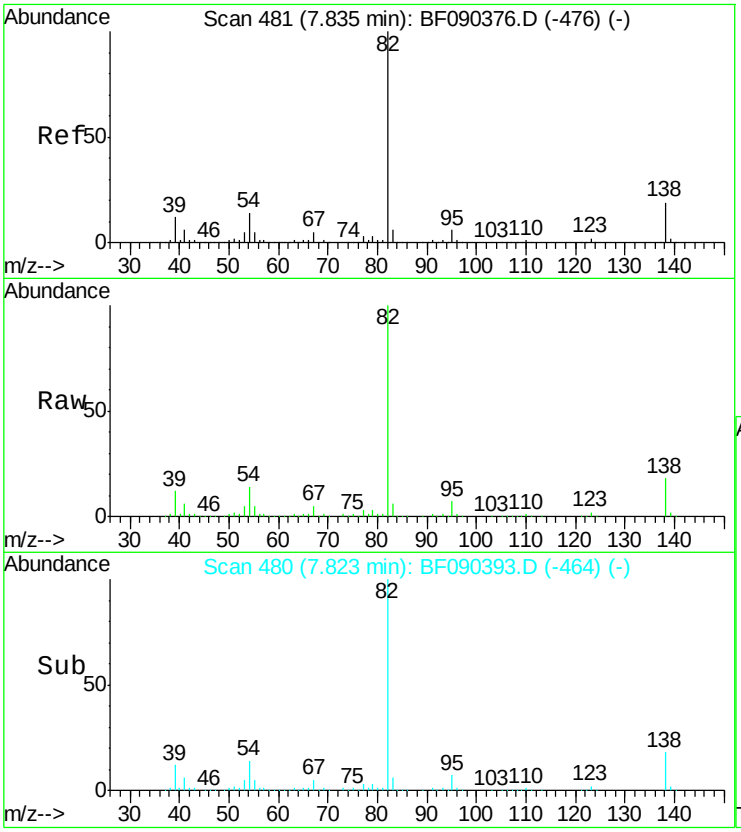


#24
Nitrobenzene
Concen: 44.50 ng
RT: 7.58 min Scan# 459
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion: 77 Resp: 943403

Ion	Ratio	Lower	Upper
77	100		
123	39.4	33.0	49.4
65	14.3	12.0	18.0



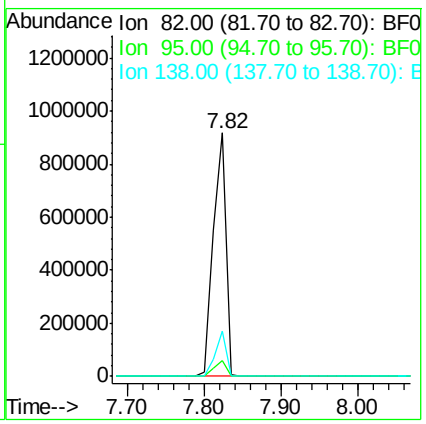


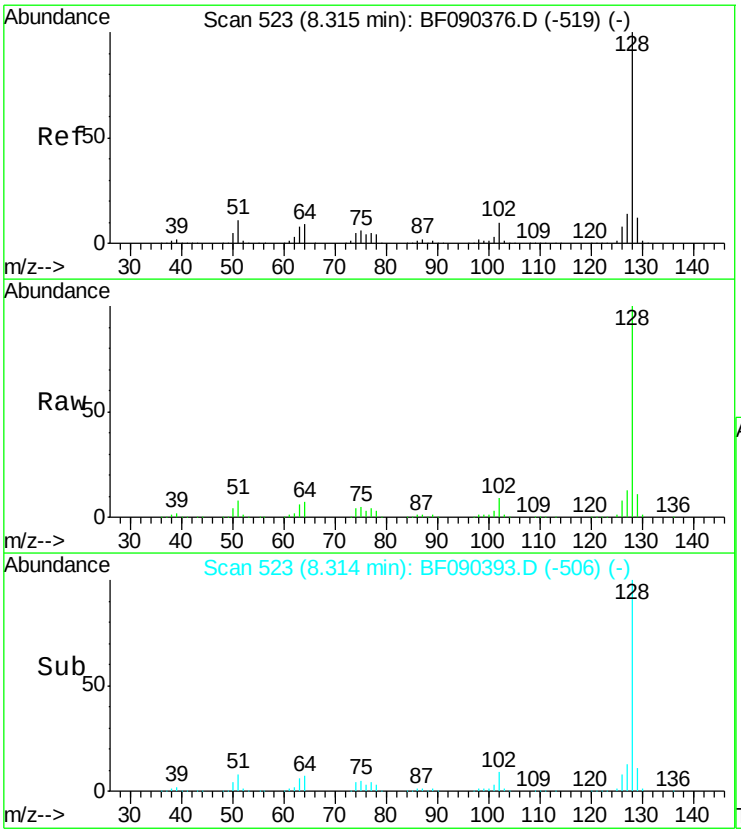
#25
Isophorone
Concen: 26.28 ng
RT: 7.82 min Scan# 480
Delta R.T. -0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion: 82 Resp: 1025899

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.2	7.8
138	18.4	13.0	19.4

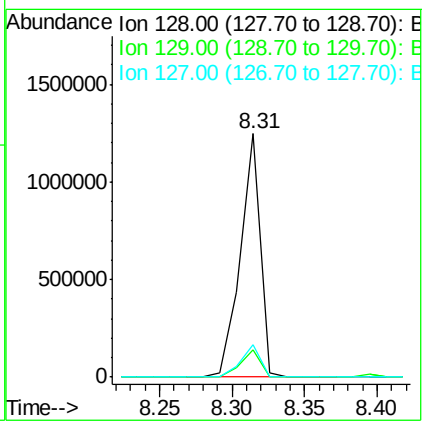


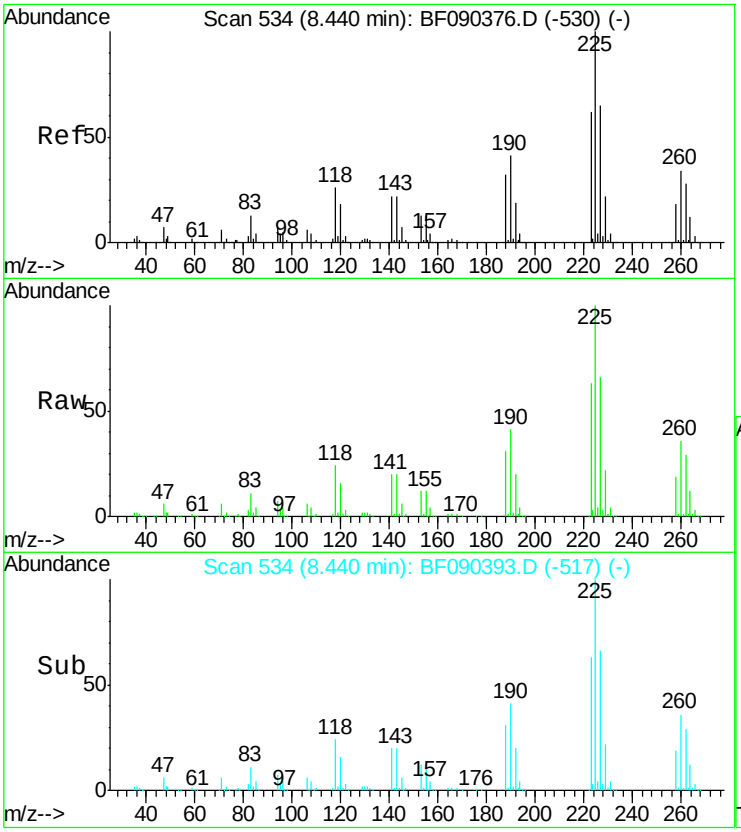


#31
Naphthalene
Concen: 23.58 ng
RT: 8.31 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:128 Resp: 1181856

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.7	14.5
127	13.2	11.7	17.5



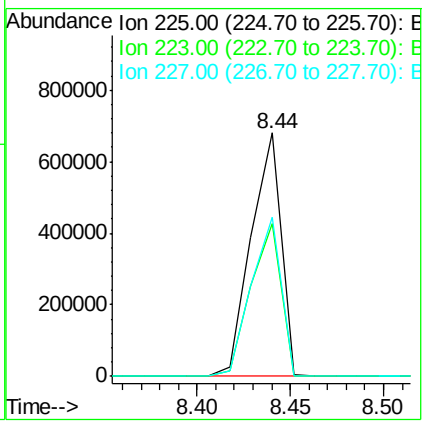


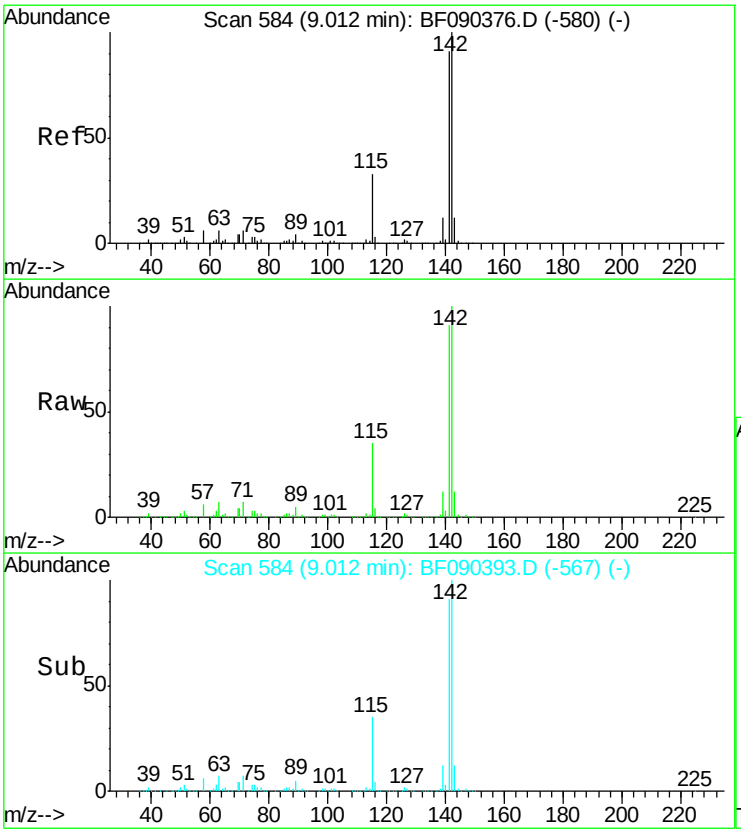
#34
Hexachlorobutadiene
Concen: 96.94 ng
RT: 8.44 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:225 Resp: 753088

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.4
227	65.6	50.8	76.2

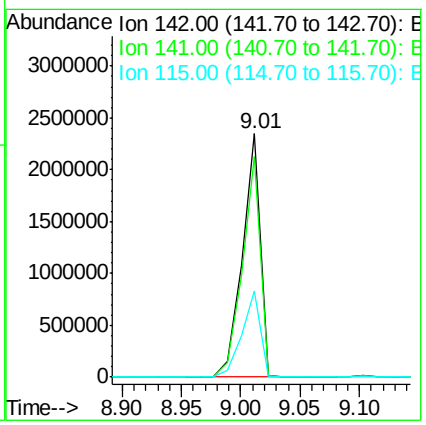


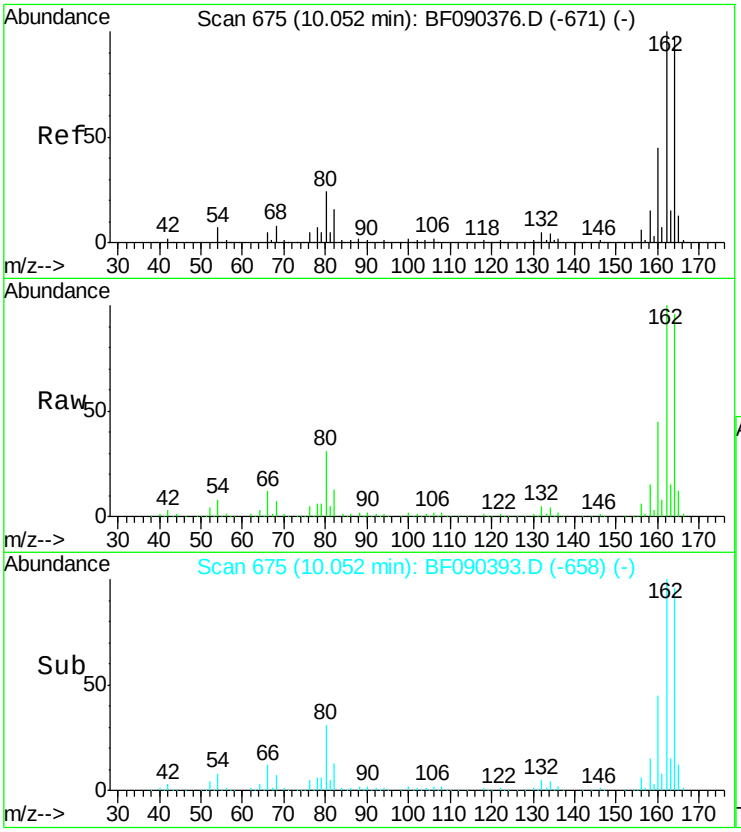


#37
2-Methylnaphthalene
Concen: 81.60 ng
RT: 9.01 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:142 Resp: 2475113

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.8	107.8
115	35.1	28.8	43.2



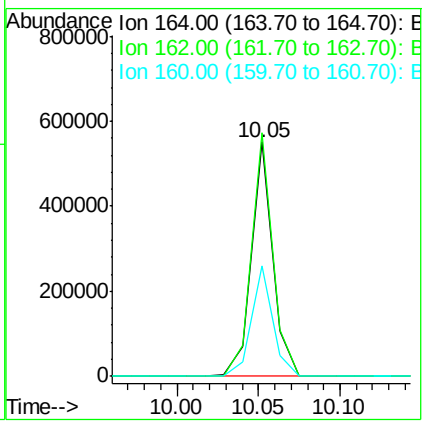


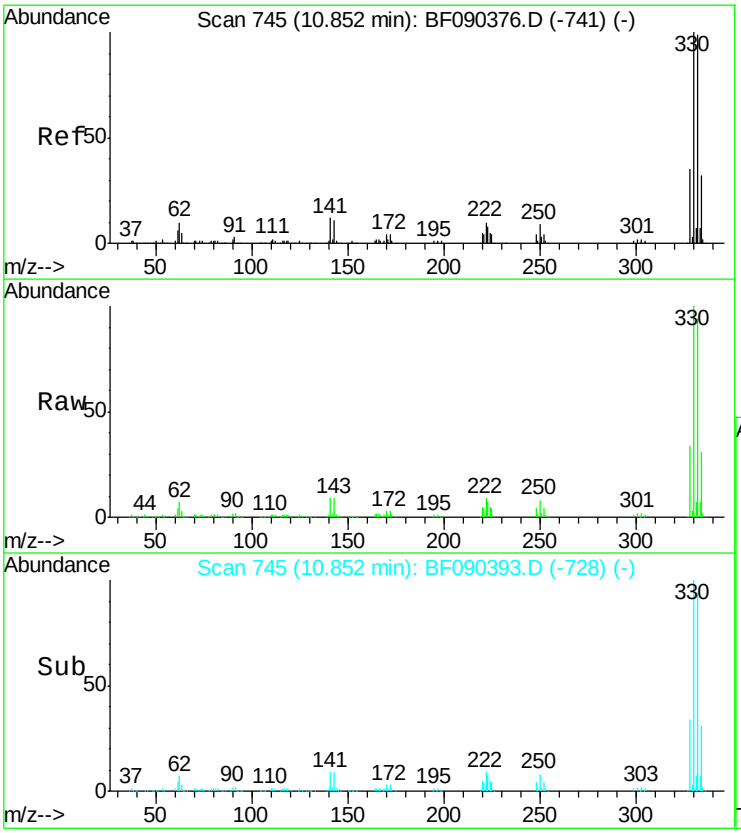
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:164 Resp: 501684

Ion	Ratio	Lower	Upper
164	100		
162	103.9	80.1	120.1
160	47.0	36.3	54.5

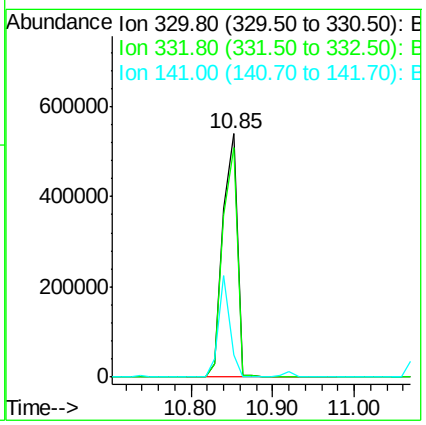


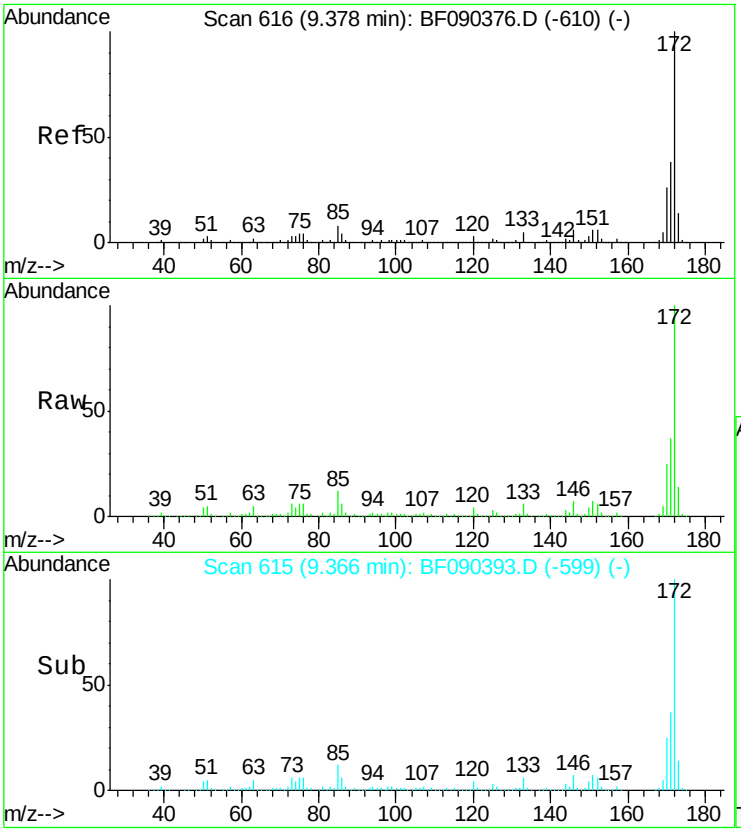


#41
2,4,6-Tribromophenol
Concen: 160.95 ng
RT: 10.85 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:330 Resp: 656587

Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.4	113.0
141	33.5	26.9	40.3



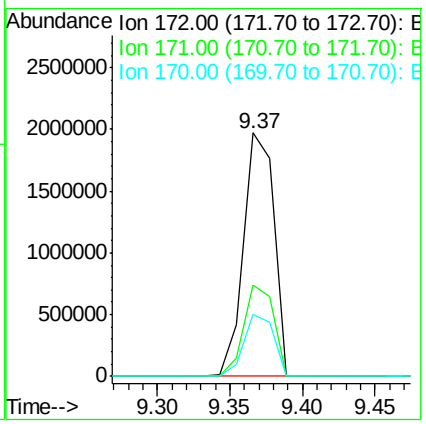


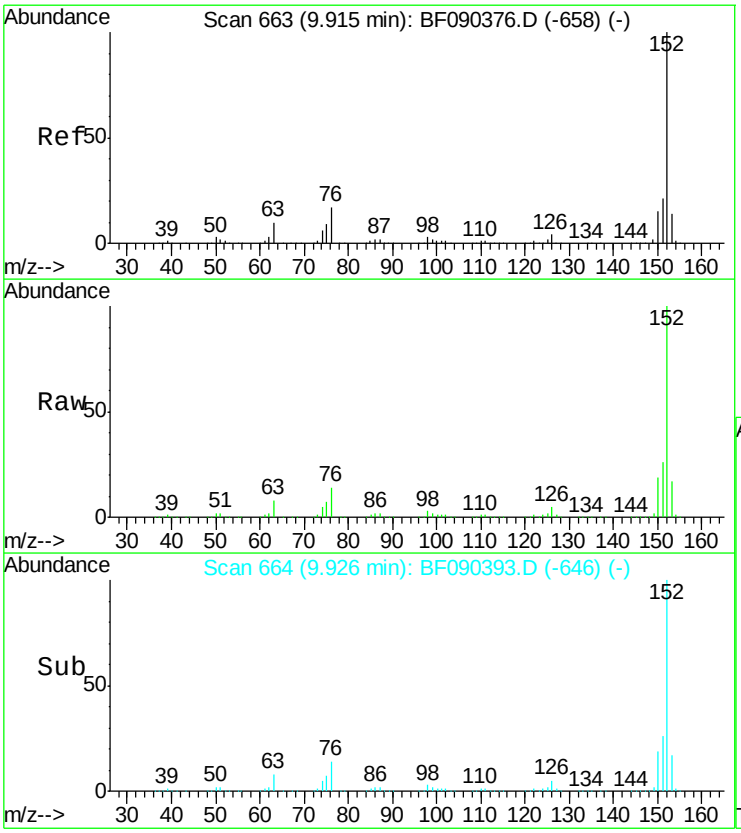
#44
2-Fluorobiphenyl
Concen: 95.11 ng
RT: 9.37 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:172 Resp: 2863866

Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.8	47.8
170	25.2	21.7	32.5

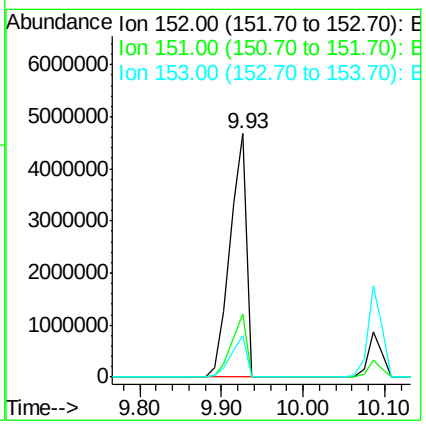


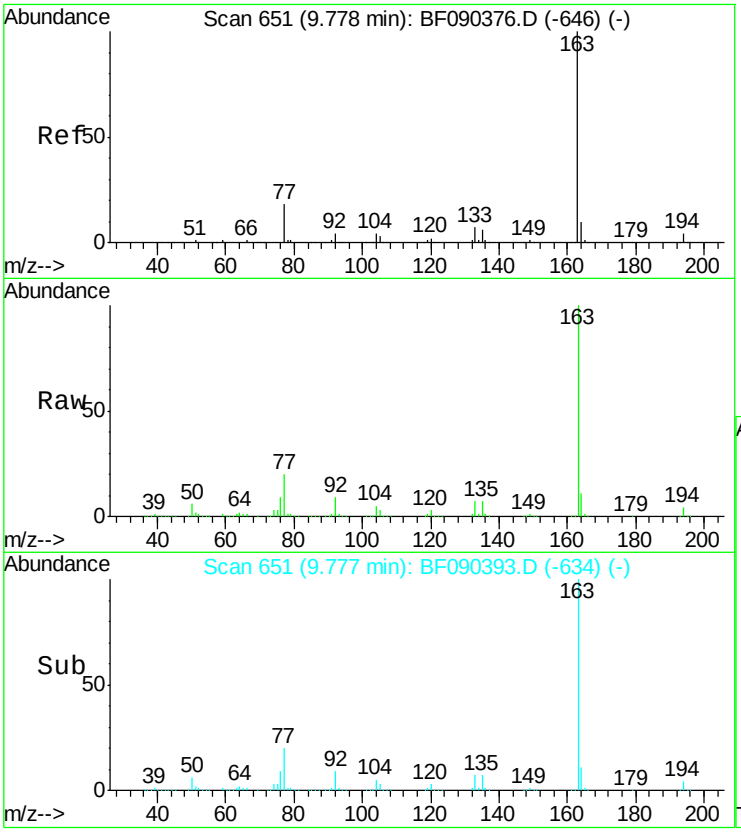


#48
Acenaphthylene
Concen: 143.67 ng
RT: 9.93 min Scan# 664
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:152 Resp: 6511333

Ion	Ratio	Lower	Upper
152	100		
151	26.0	17.4	26.0
153	16.9	11.6	17.4



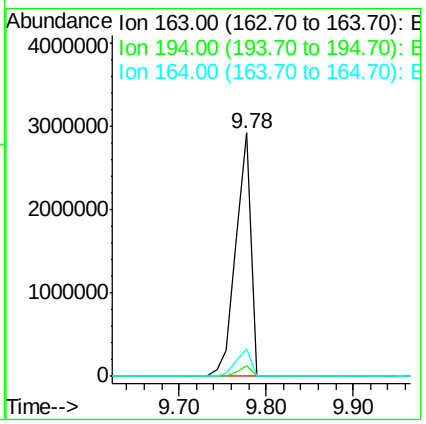


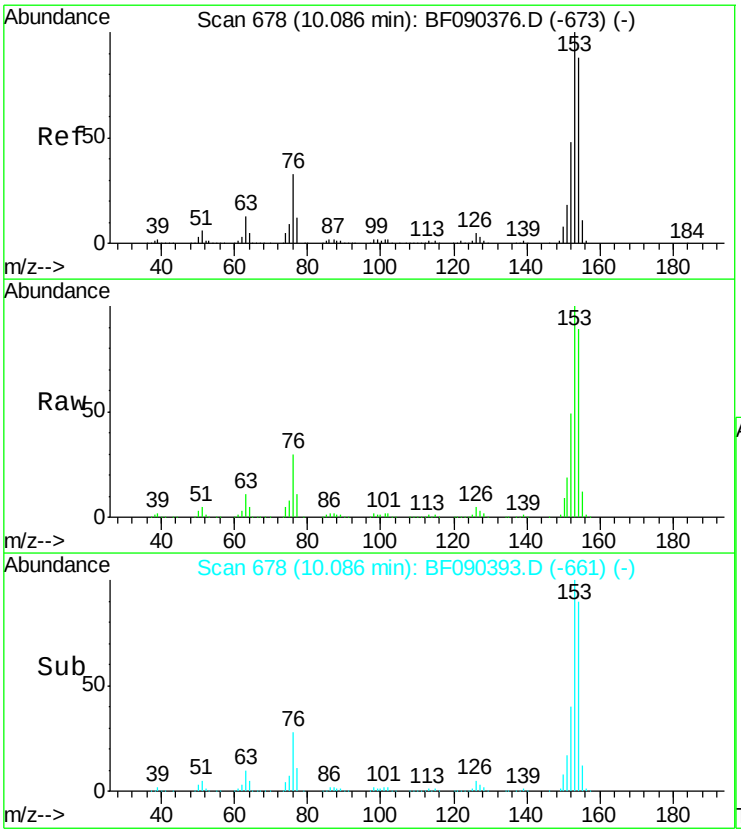
#49
Dimethylphthalate
Concen: 106.45 ng
RT: 9.78 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:163 Resp: 3420081

Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.8	4.2#
164	11.3	9.0	13.4

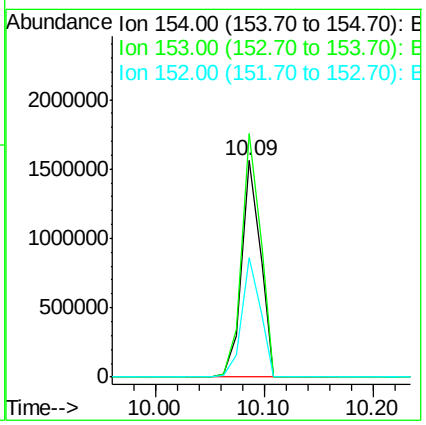


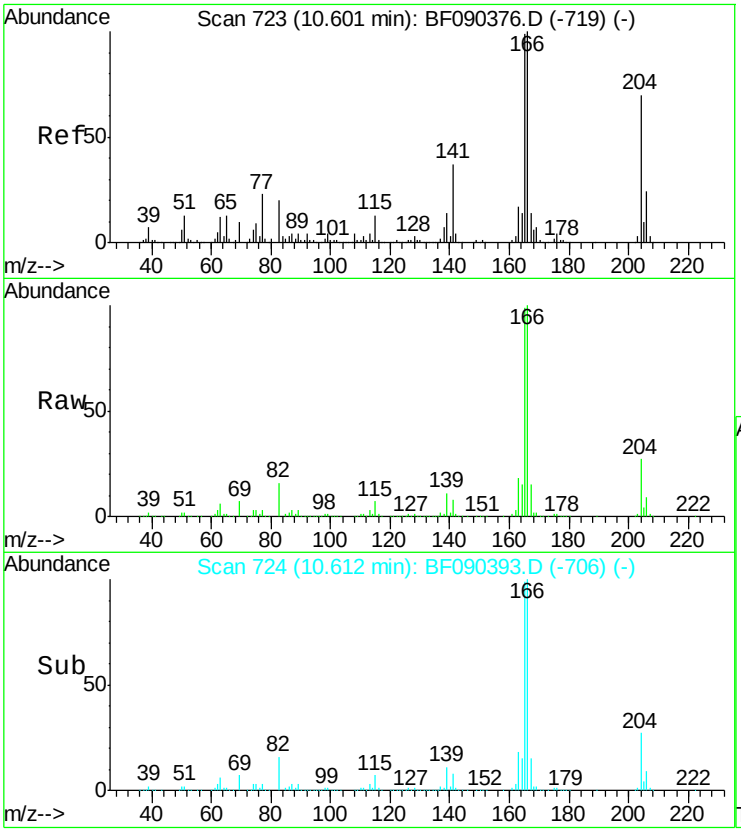


#51
Acenaphthene
Concen: 65.91 ng
RT: 10.09 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:154 Resp: 1862675

Ion	Ratio	Lower	Upper
154	100		
153	112.4	88.6	133.0
152	55.0	42.6	64.0



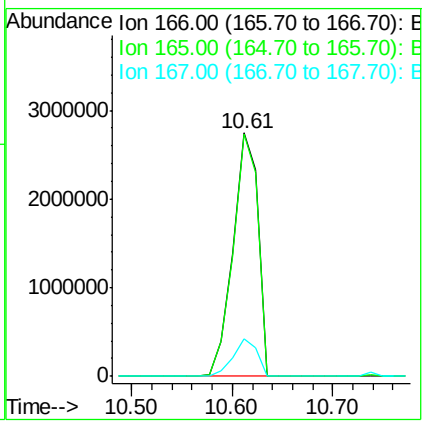


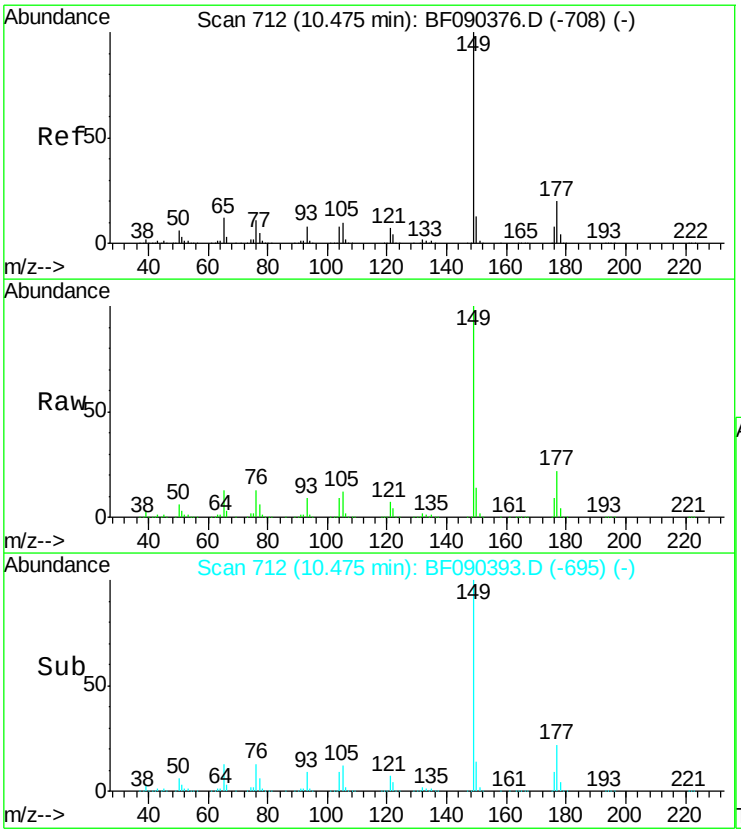
#57
Fluorene
Concen: 153.58 ng
RT: 10.61 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:166 Resp: 4720905

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.2	118.8
167	15.3	11.1	16.7

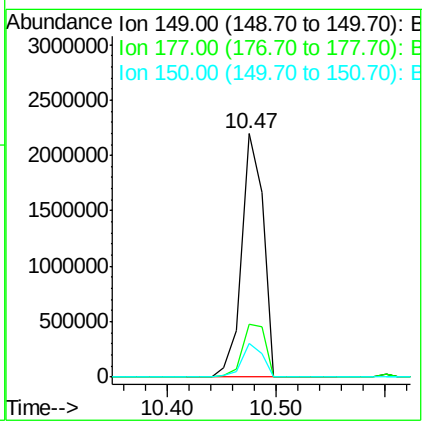


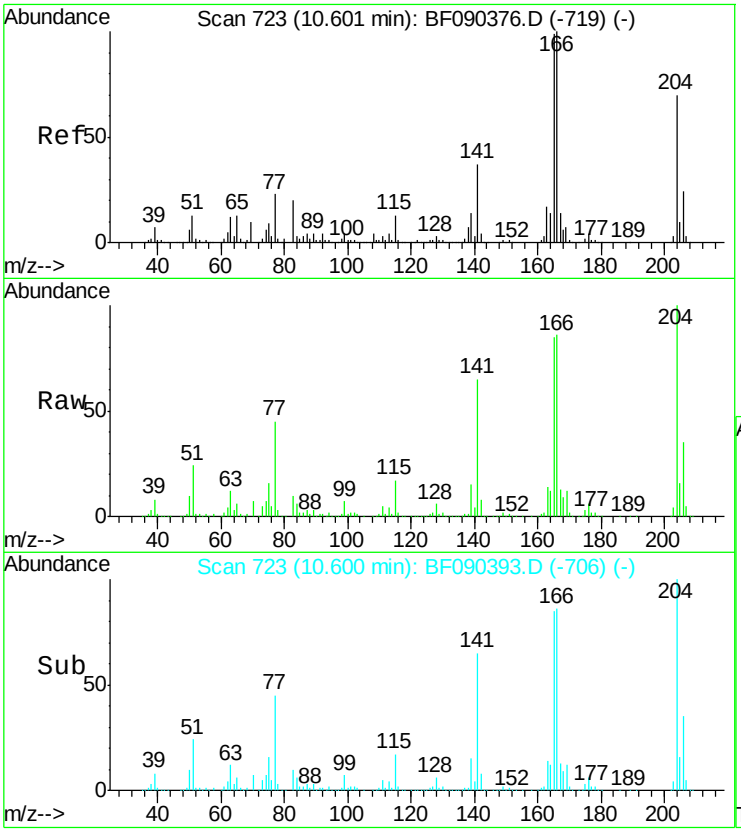


#59
Diethylphthalate
Concen: 90.19 ng
RT: 10.47 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:149 Resp: 2998349

Ion	Ratio	Lower	Upper
149	100		
177	21.5	21.1	31.7
150	13.9	10.2	15.2



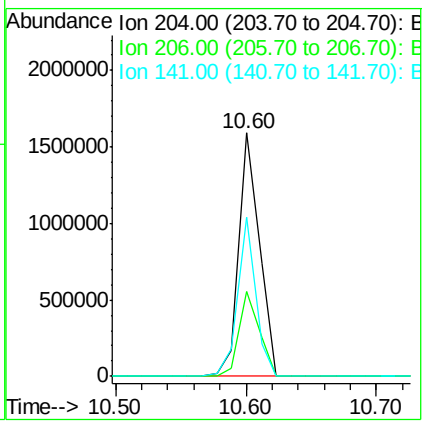


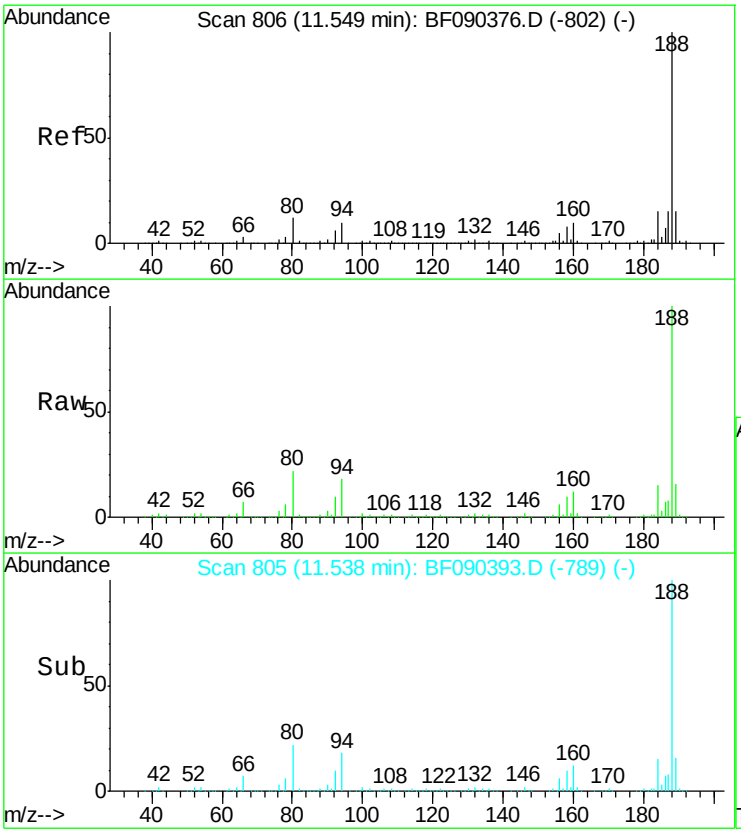
#60
4-Chlorophenyl-phenylether
Concen: 123.82 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:204 Resp: 1730562

Ion	Ratio	Lower	Upper
204	100		
206	34.7	26.7	40.1
141	65.2	51.7	77.5

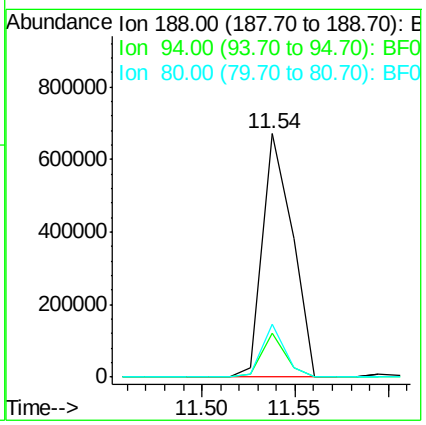


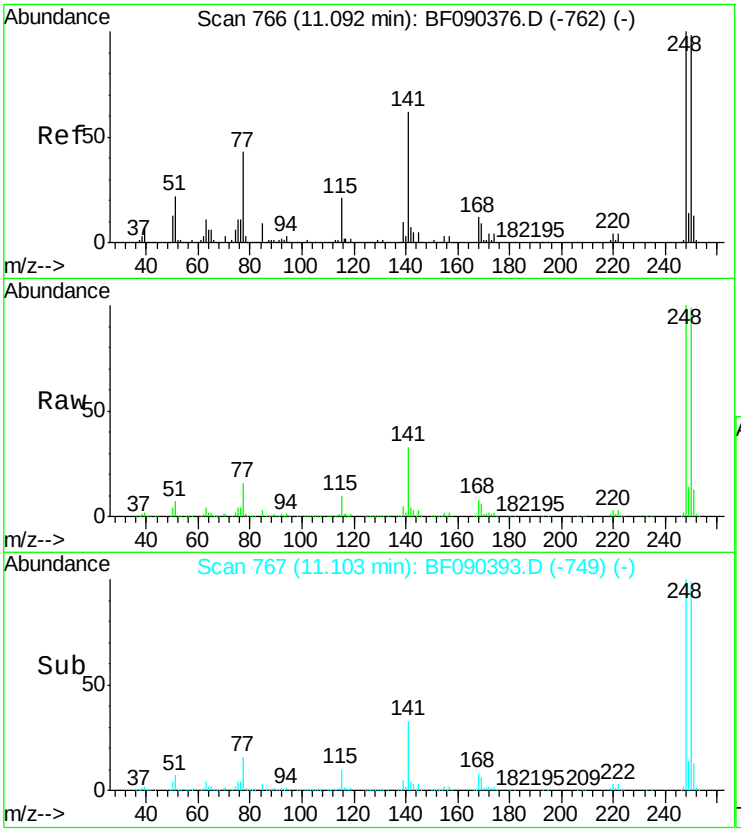


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:188 Resp: 741661

Ion	Ratio	Lower	Upper
188	100		
94	17.9	8.2	12.2#
80	21.9	8.8	13.2#



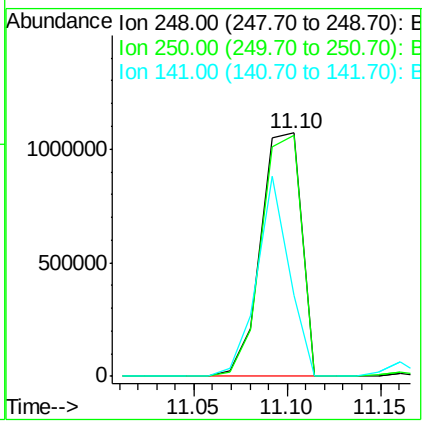


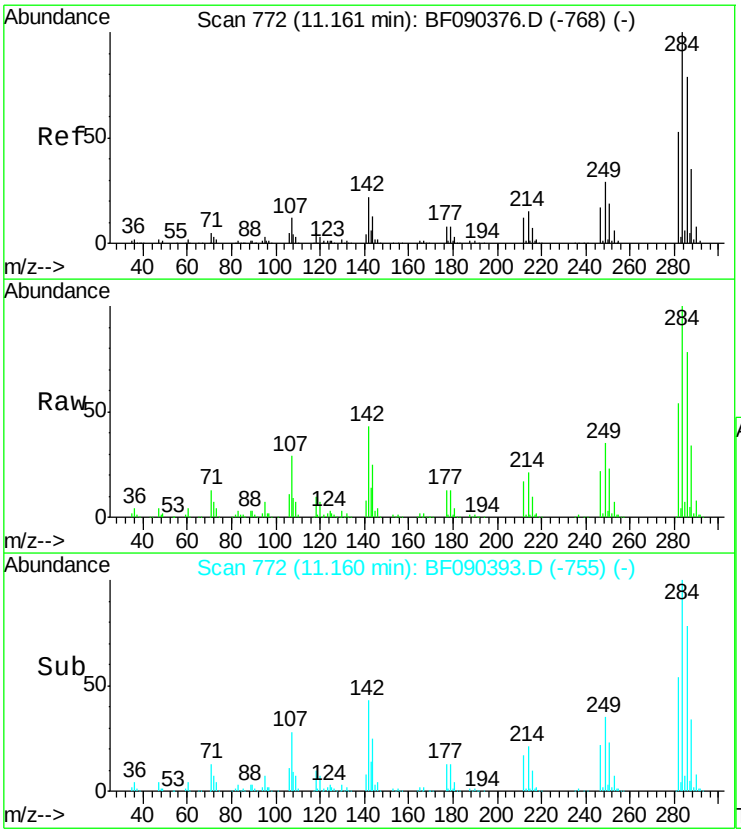
#66
4-Bromophenyl-phenylether
Concen: 222.07 ng
RT: 11.10 min Scan# 767
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:248 Resp: 1614427

Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.5	114.7
141	33.2	59.8	89.6#

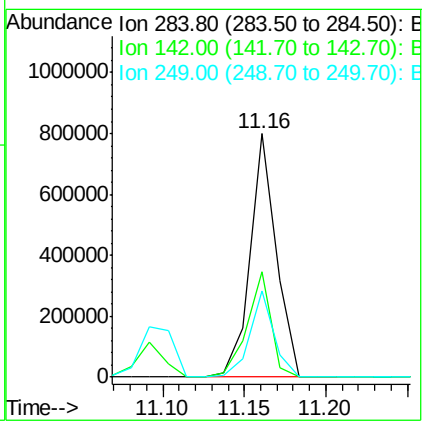


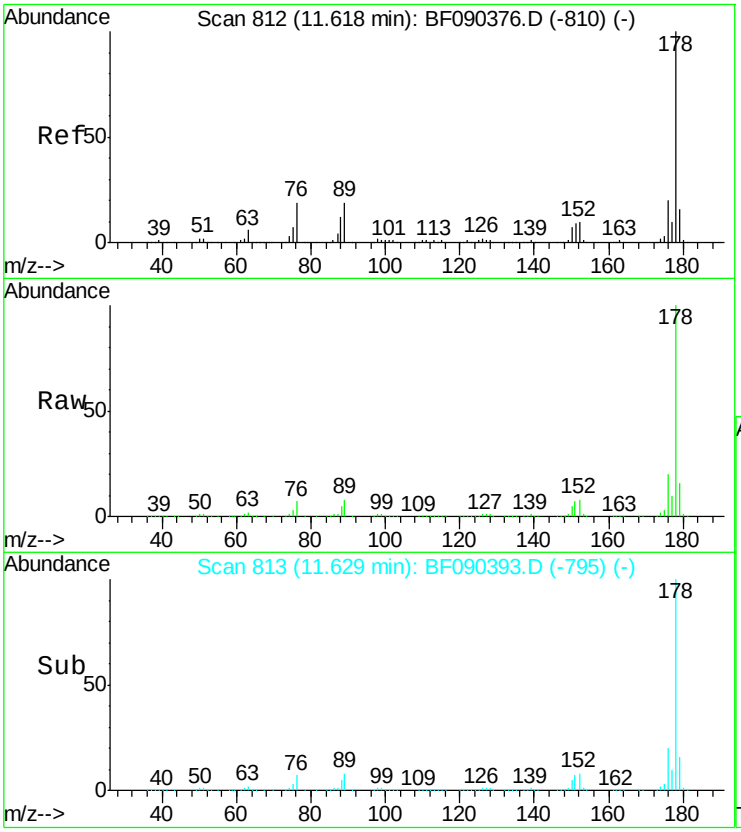


#67
Hexachlorobenzene
Concen: 109.32 ng
RT: 11.16 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:284 Resp: 885125

Ion	Ratio	Lower	Upper
284	100		
142	43.5	23.1	34.7#
249	35.5	26.3	39.5



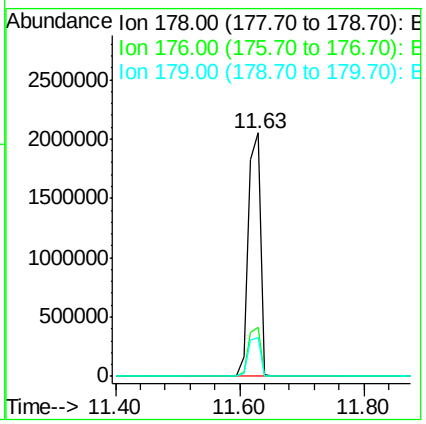


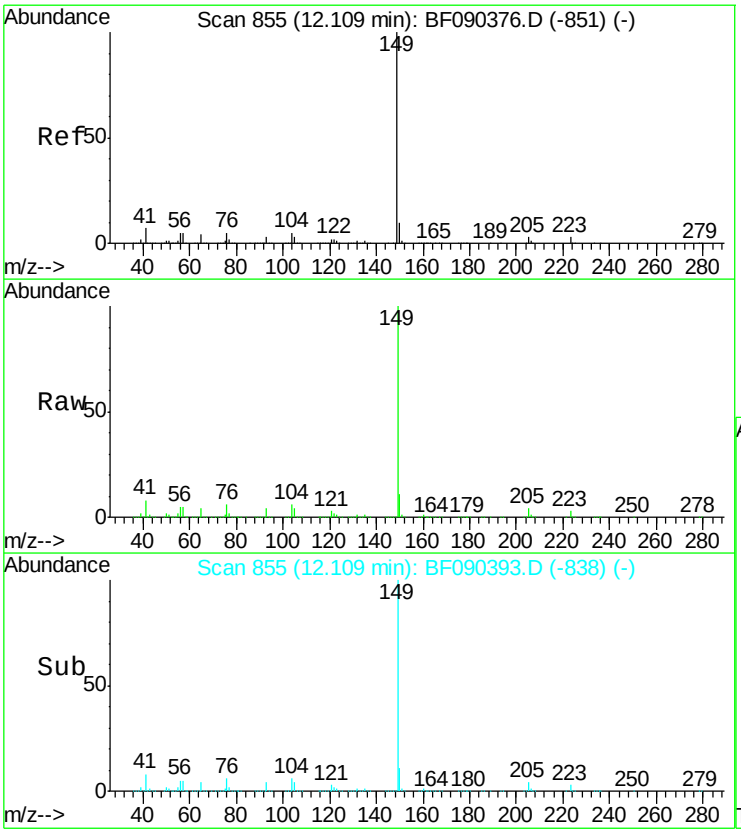
#71
Anthracene
Concen: 72.03 ng
RT: 11.63 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:178 Resp: 2793311

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.8	25.2
179	16.1	13.4	20.2

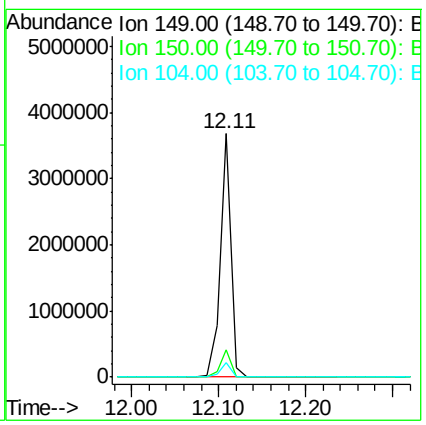


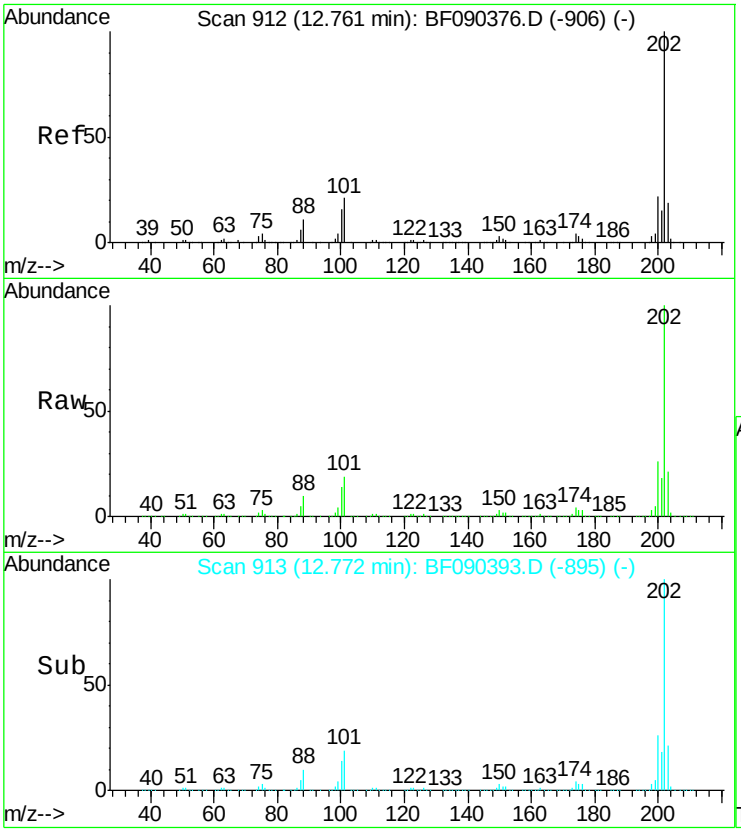


#73
Di-n-butylphthalate
Concen: 72.38 ng
RT: 12.11 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:149 Resp: 3174006

Ion	Ratio	Lower	Upper
149	100		
150	11.1	8.6	12.8
104	5.8	4.7	7.1



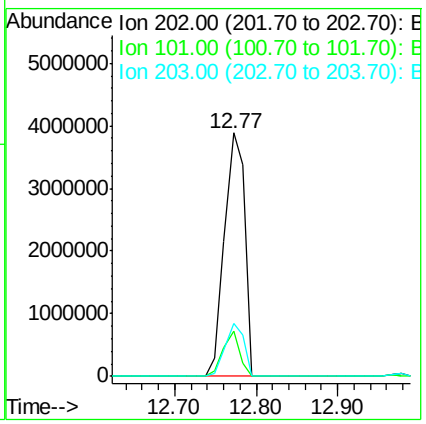


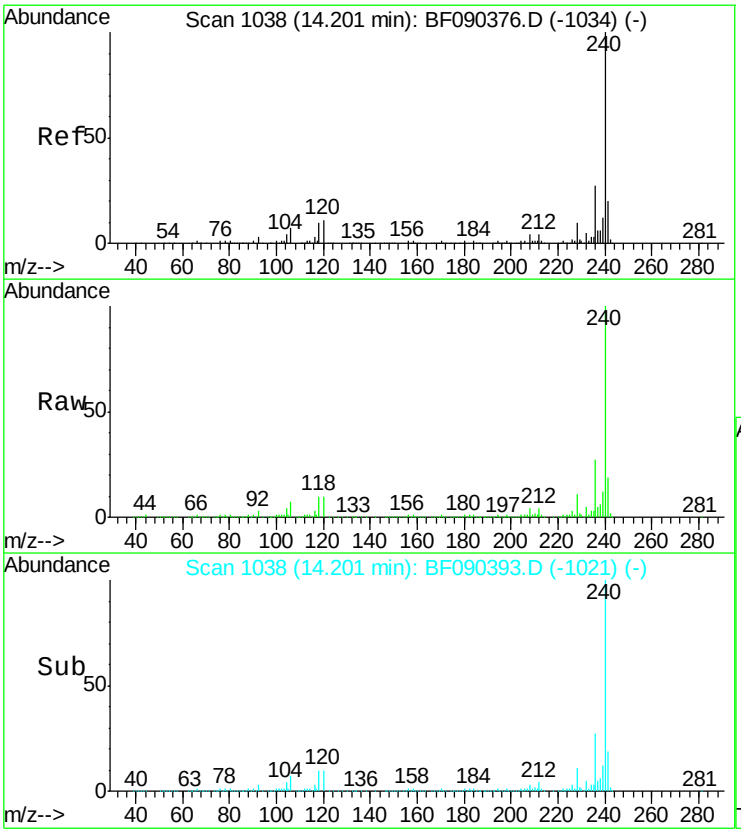
#74
Fluoranthene
Concen: 180.12 ng
RT: 12.77 min Scan# 913
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:202 Resp: 6709626

Ion	Ratio	Lower	Upper
202	100		
101	18.7	0.0	37.2
203	21.5	0.0	39.3

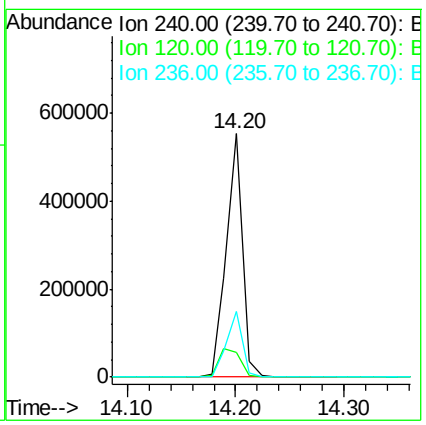


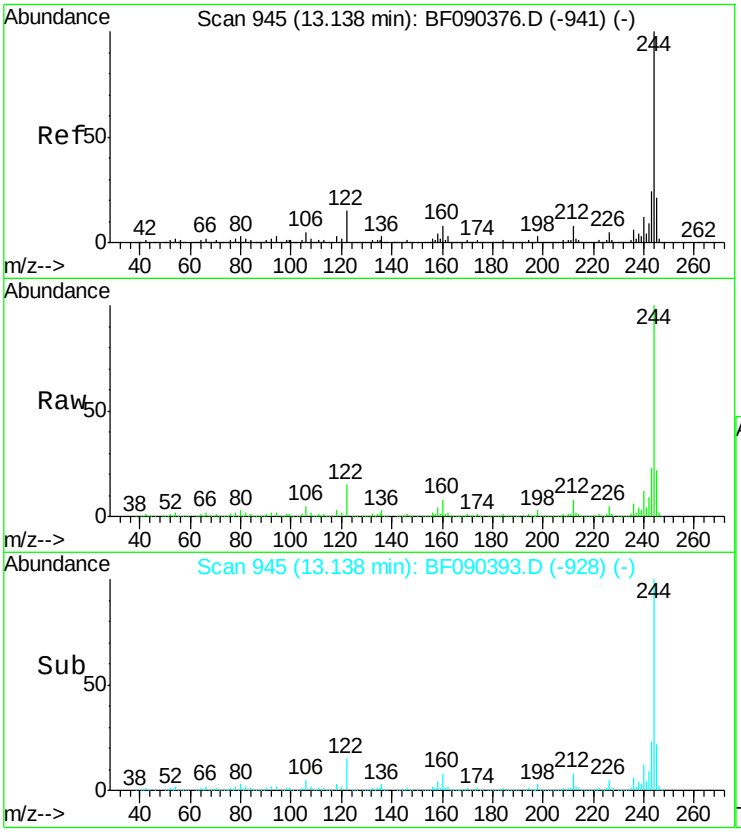


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.20 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:240 Resp: 567020

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	26.8	21.6	32.4



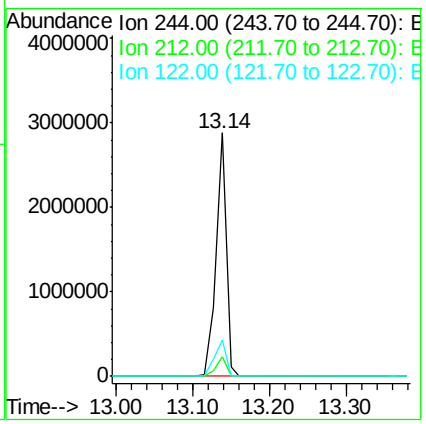


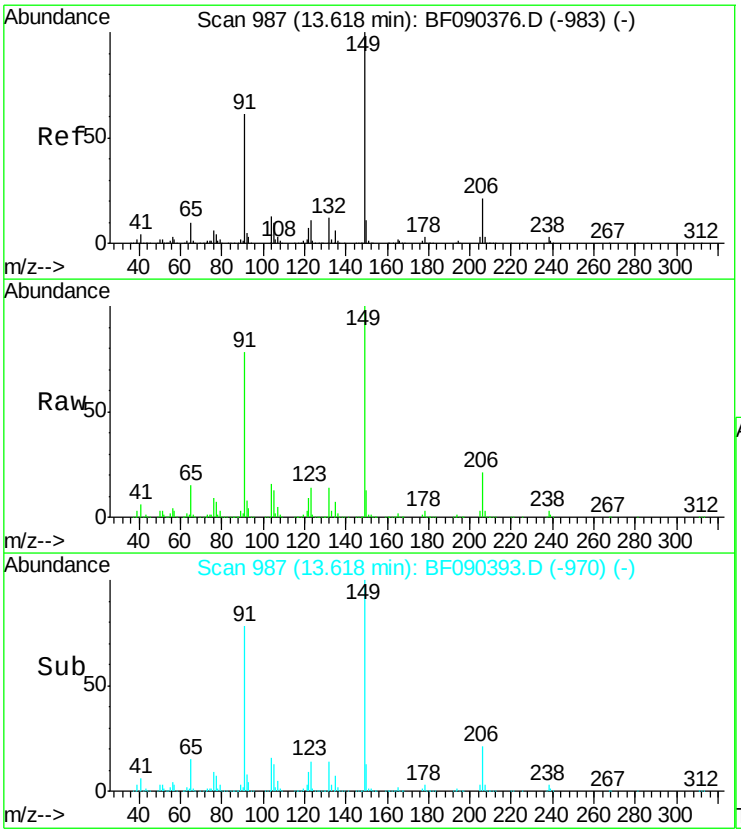
#78
Terphenyl-d14
Concen: 104.54 ng
RT: 13.14 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:244 Resp: 2636676

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.8	10.2
122	14.7	13.3	19.9

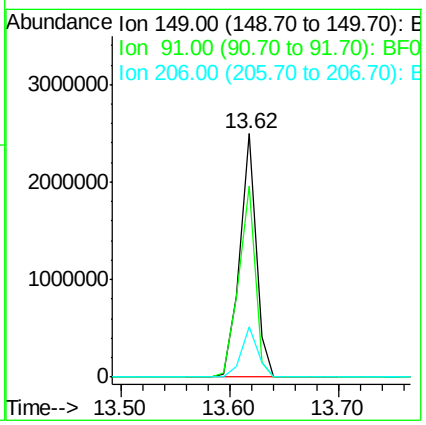


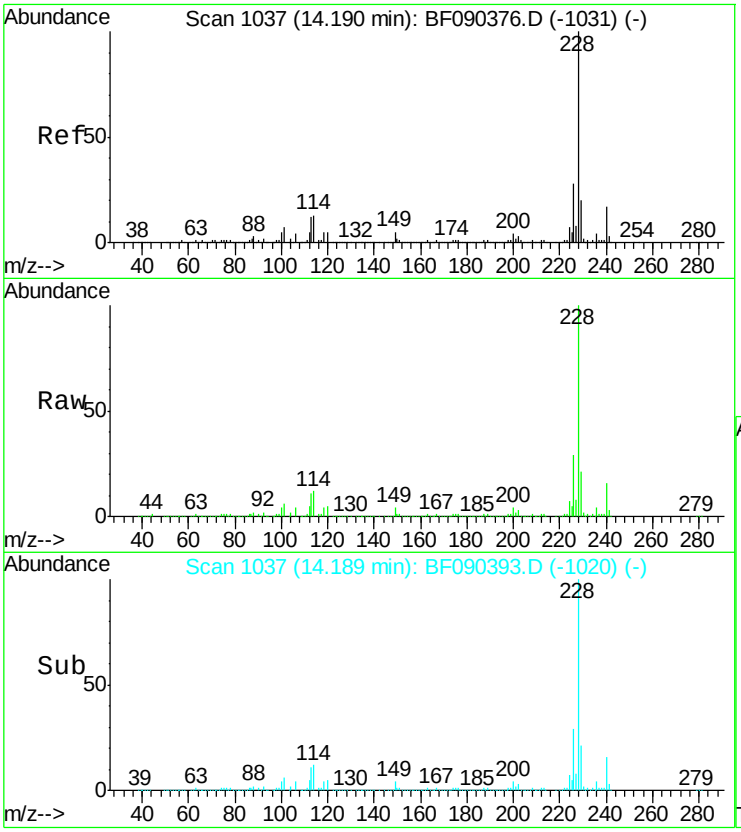


#79
Butylbenzylphthalate
Concen: 133.44 ng
RT: 13.62 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:149 Resp: 2588841

Ion	Ratio	Lower	Upper
149	100		
91	78.3	51.8	77.8#
206	20.6	18.0	27.0



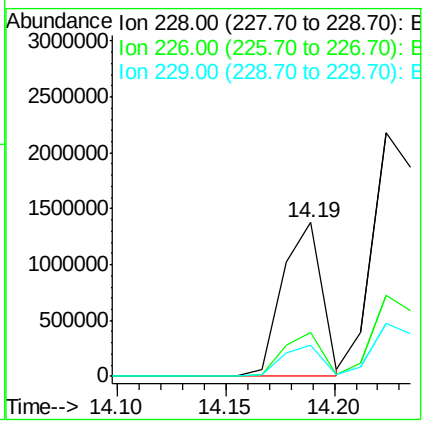


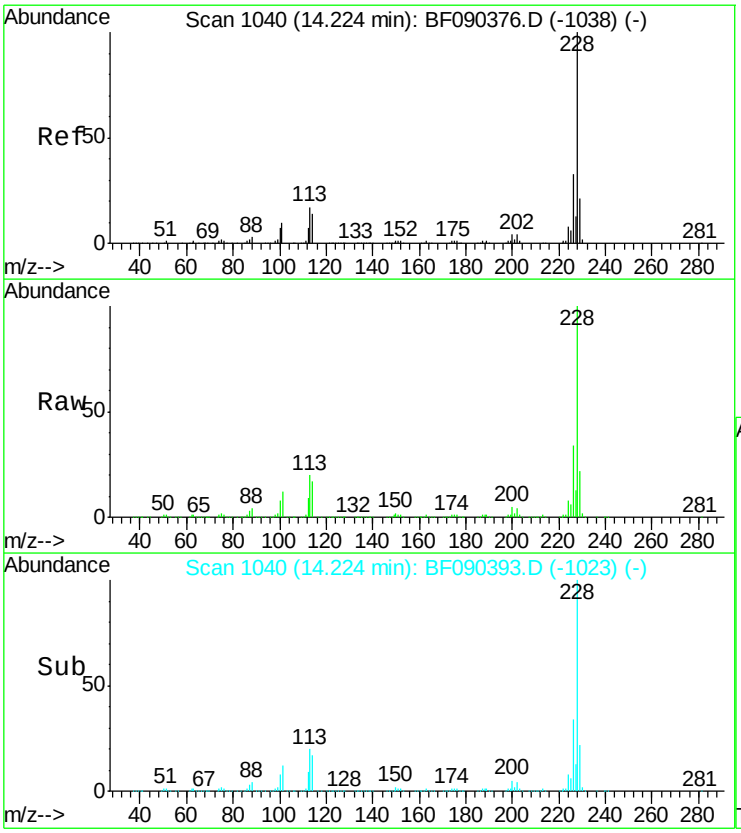
#80
Benzo(a)anthracene
Concen: 54.37 ng
RT: 14.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:228 Resp: 1729651

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.6	35.4
229	20.6	16.6	25.0

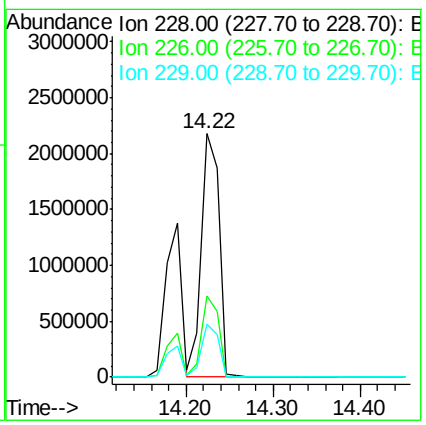


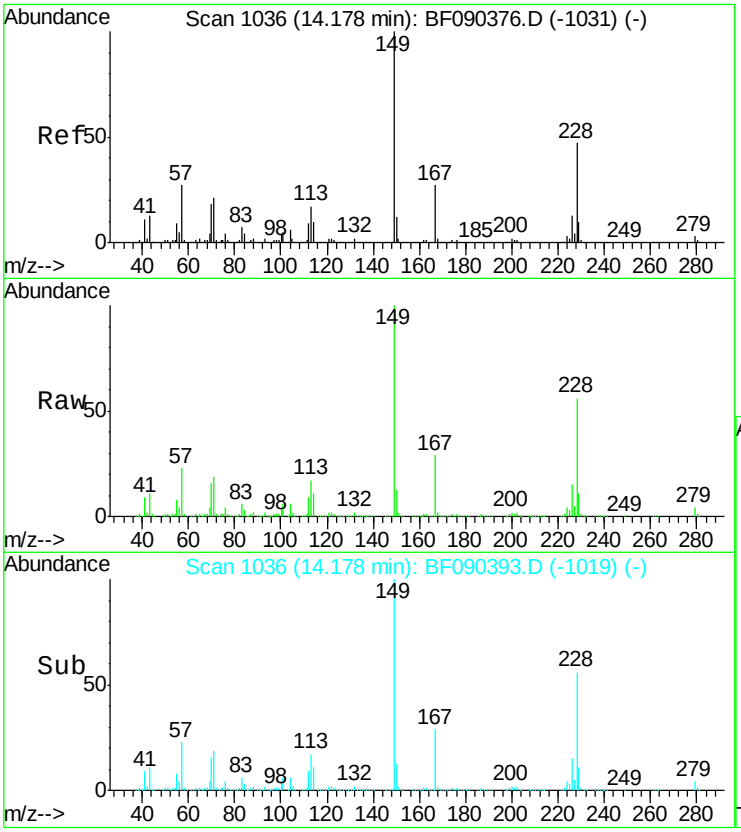


#82
Chrysene
Concen: 105.10 ng
RT: 14.22 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:228 Resp: 3077226

Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.8	38.6
229	21.9	16.9	25.3



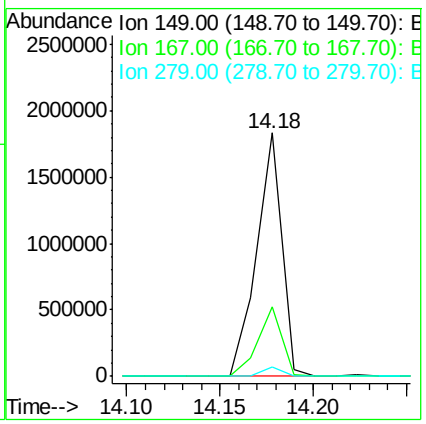


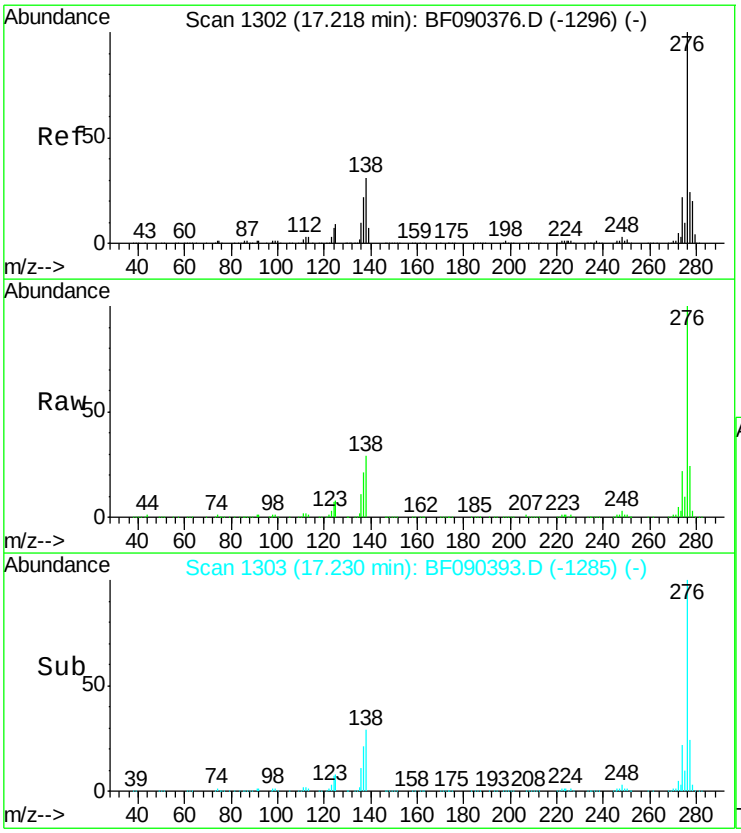
#83
Bis(2-ethylhexyl)phthalate
Concen: 61.89 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:149 Resp: 1706694

Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.5	32.3
279	3.7	2.6	3.8

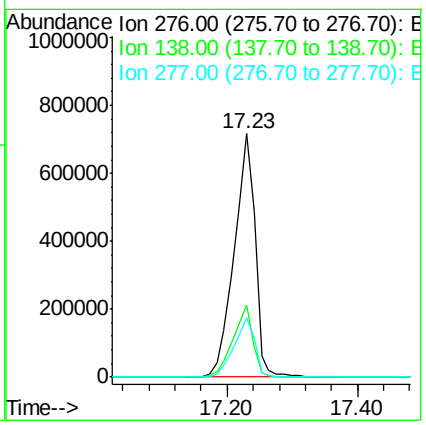


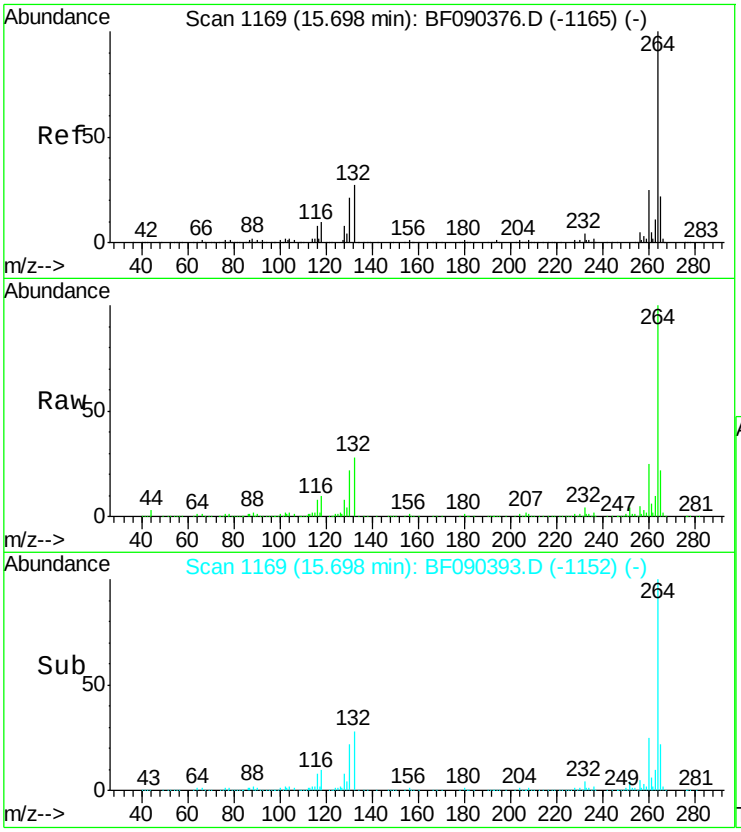


#85
Indeno(1,2,3-cd)pyrene
Concen: 75.67 ng
RT: 17.23 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:276 Resp: 1579697

Ion	Ratio	Lower	Upper
276	100		
138	28.1	23.8	35.8
277	24.3	20.4	30.6



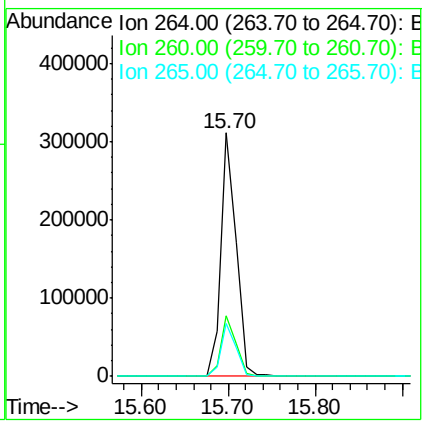


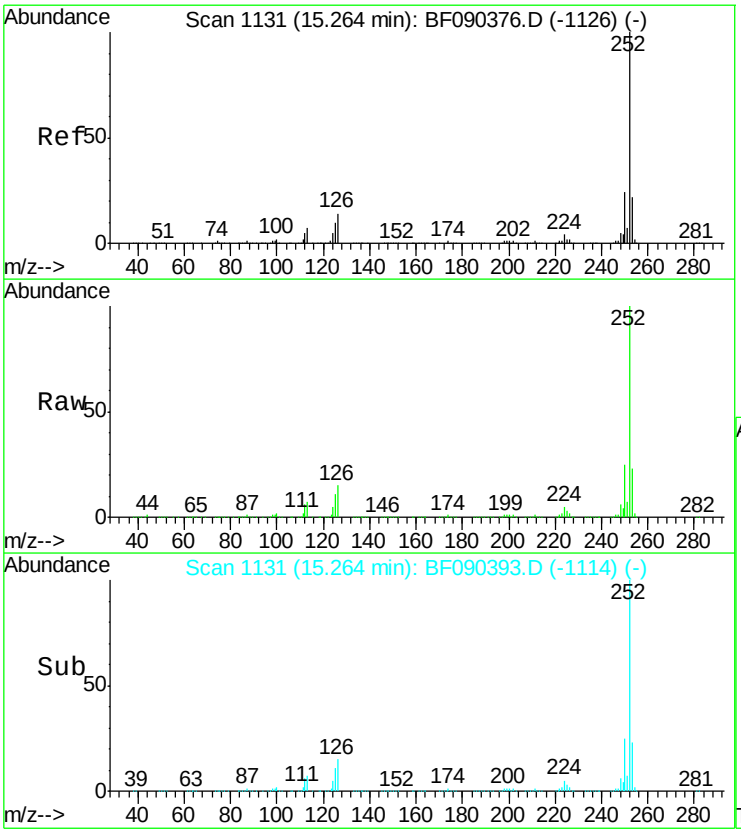
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:264 Resp: 384981

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	21.8	17.4	26.0

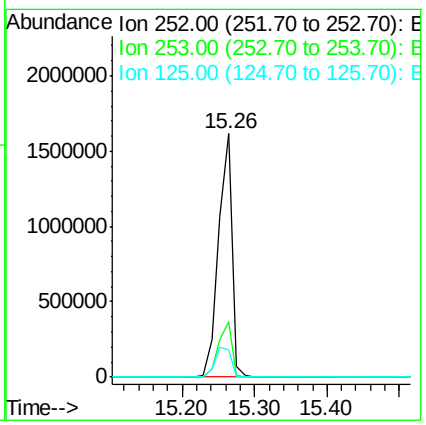


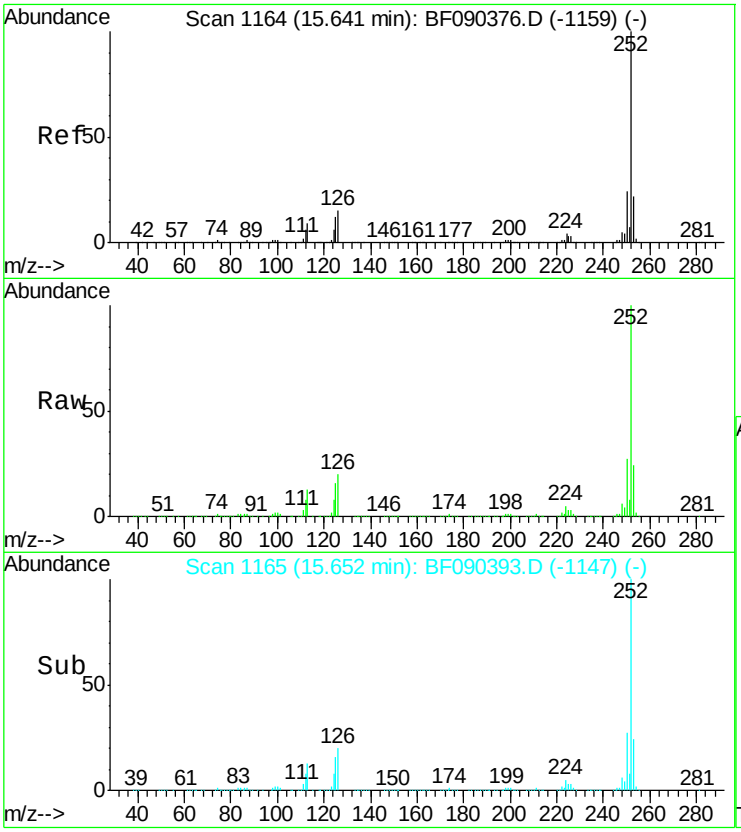


#87
Benzo(b)fluoranthene
Concen: 85.24 ng
RT: 15.26 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:252 Resp: 2090244

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.2	7.0	10.4#



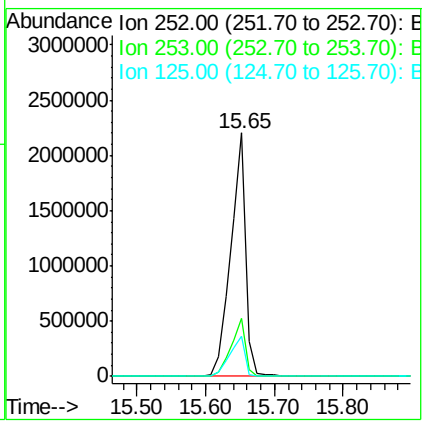


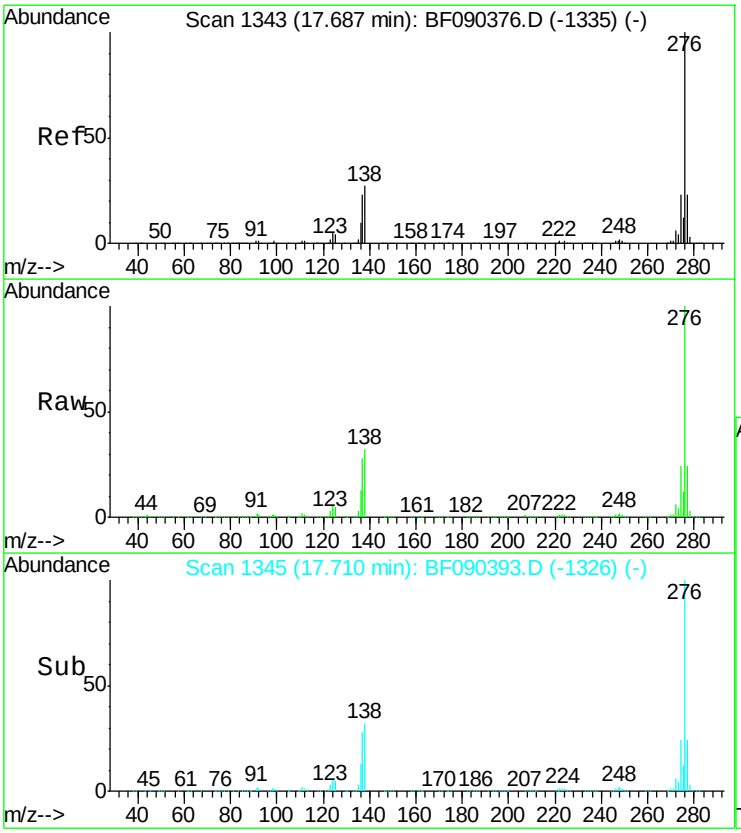
#89
Benzo(a)pyrene
Concen: 160.37 ng
RT: 15.65 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Instrument :
BNA_F
ClientSampleId :
PT-BN-WP

Tgt Ion:252 Resp: 3389570

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	16.2	9.8	14.8#





#91
Benzo(g,h,i)perylene
Concen: 157.57 ng
RT: 17.71 min Scan# 1345
Delta R.T. 0.02 min
Lab File: BF090393.D
Acq: 5 Oct 2016 21:29

Tgt Ion:276 Resp: 2719003

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	32.2	20.8	31.2#