Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095401.D
Acq On : 24 May 2017 21:39
Operator : SJ/MA
Sample : I3221-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EX-02MSD

Quant Time: May 25 04:48:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	86673	20.00	ng		-0.01
21) Naphthalene-d8	9.77	136	335324	20.00	ng		-0.02
38) Acenaphthene-d10	12.59	164	132267	20.00	ng		-0.02
63) Phenanthrene-d10	15.01	188	194630	20.00	ng		-0.02
75) Chrysene-d12	18.68	240	173308	20.00	ng		-0.01
86) Perylene-d12	20.36	264	120762	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.73	112	905578	174.19	ng		0.00
7) Phenol-d6	7.31	99	1036729	166.21	ng		0.00
23) Nitrobenzene-d5	8.66	82	604645	113.71	ng		-0.01
41) 2,4,6-Tribromophenol	13.91	330	159156	146.93	ng		-0.01
44) 2-Fluorobiphenyl	11.54	172	990532	107.79	ng		-0.02
78) Terphenyl-d14	17.33	244	727789	92.49	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.24	88	111150	43.59	ng		92
3) Pyridine	2.95	79	258827	43.80	ng		95
4) n-Nitrosodimethylamine	2.87	42	103336	41.95	ng	#	78
6) Aniline	7.27	93	294088	37.35	ng		94
8) 2-Chlorophenol	7.45	128	322830	54.56	ng		95
9) Benzaldehyde	7.08	77	99145	26.03	ng		95
10) Phenol	7.32	94	342237	52.07	ng		90
11) bis(2-Chloroethyl)ether	7.40	93	287172	52.92	ng		94
12) 1,3-Dichlorobenzene	7.65	146	346227	51.58	ng		98
13) 1,4-Dichlorobenzene	7.78	146	353395	51.92	ng		97
14) 1,2-Dichlorobenzene	8.01	146	329986	51.94	ng		96
15) Benzyl Alcohol	8.04	79	247491	61.69	ng		95
16) 2,2'-oxybis(1-Chloropropan	8.24	45	389376	50.70	ng		97
17) 2-Methylphenol	8.27	107	257735	53.22	ng		94
18) Hexachloroethane	8.52	117	92813	40.25	ng	#	86
19) n-Nitroso-di-n-propylamine	8.47	70	223260	52.92	ng		93
20) 3+4-Methylphenols	8.52	107	330041	50.16	ng	#	56
22) Acetophenone	8.42	105	444309	55.23	ng	#	84
24) Nitrobenzene	8.69	77	302154	54.21	ng		92
25) Isophorone	9.09	82	533167	56.15	ng	#	94
26) 2-Nitrophenol	9.20	139	97874	32.54	ng		97
27) 2,4-Dimethylphenol	9.33	122	254293	52.29	ng		97
28) bis(2-Chloroethoxy)methane	9.45	93	357135	54.37	ng		99
29) 2,4-Dichlorophenol	9.62	162	243887	53.12	ng		99
30) 1,2,4-Trichlorobenzene	9.70	180	251565	51.14	ng		99
31) Naphthalene	9.80	128	863741	51.25	ng		100
32) Benzoic acid	9.64	122	5955	6.75	ng		93
33) 4-Chloroaniline	9.97	127	102836	16.37	ng		93
34) Hexachlorobutadiene	10.01	225	127586	49.16	ng		97
35) Caprolactam	10.57	113	68377	49.59	ng		90
36) 4-Chloro-3-methylphenol	10.81	107	232890	47.44	ng		92
37) 2-Methylnaphthalene	10.92	142	559439	50.58	ng		98
39) 1,2,4,5-Tetrachlorobenzene	11.21	216	217650	53.51	ng		99
40) Hexachlorocyclopentadiene	11.18	237	5711	9.14	ng		90

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Acq On : 24 May 2017 21:39
Operator : SJ/MA
Sample : I3221-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EX-02MSD

Quant Time: May 25 04:48:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	11.44	196	140131	51.60	ng		99
43) 2,4,5-Trichlorophenol	11.54	196	124669	42.71	ng		94
45) 1,1'-Biphenyl	11.69	154	616194	55.33	ng		98
46) 2-Chloronaphthalene	11.71	162	470348	52.31	ng		97
47) 2-Nitroaniline	11.94	65	138270	56.18	ng	#	80
48) Acenaphthylene	12.37	152	732205	51.99	ng		98
49) Dimethylphthalate	12.24	163	697799	64.26	ng		100
50) 2,6-Dinitrotoluene	12.34	165	98692	44.55	ng		94
51) Acenaphthene	12.65	154	432761	51.44	ng		98
52) 3-Nitroaniline	12.62	138	128829	54.18	ng		90
54) Dibenzofuran	12.94	168	643410	55.27	ng		98
55) 4-Nitrophenol	13.05	139	99155	69.43	ng	#	79
56) 2,4-Dinitrotoluene	13.02	165	113210	39.77	ng		93
57) Fluorene	13.49	166	483773	47.79	ng		100
58) 2,3,4,6-Tetrachlorophenol	13.19	232	98053	53.38	ng		96
59) Diethylphthalate	13.39	149	531648	51.08	ng		99
60) 4-Chlorophenyl-phenylether	13.52	204	212679	47.81	ng		88
61) 4-Nitroaniline	13.62	138	114663	52.53	ng		96
62) Azobenzene	13.78	77	423920	50.69	ng		93
64) 4,6-Dinitro-2-methylphenol	13.71	198	2902	2.22	ng	#	1
65) n-Nitrosodiphenylamine	13.72	169	407893	57.74	ng		98
66) 4-Bromophenyl-phenylether	14.31	248	115248	56.05	ng		95
67) Hexachlorobenzene	14.39	284	108426	51.45	ng	#	89
68) Atrazine	14.65	200	98115	49.19	ng		98
69) Pentachlorophenol	14.75	266	85600	89.12	ng		99
70) Phenanthrene	15.04	178	621105	55.54	ng		98
71) Anthracene	15.12	178	624621	54.68	ng		98
72) Carbazole	15.41	167	599479	57.68	ng		97
73) Di-n-butylphthalate	15.97	149	722472	55.74	ng		99
74) Fluoranthene	16.79	202	670578	58.46	ng		99
76) Benzidine	17.02	184	185955	40.82	ng	#	91
77) Pyrene	17.09	202	689589	53.20	ng		99
79) Butylbenzylphthalate	17.99	149	320328	53.13	ng		92
80) Benzo(a)anthracene	18.67	228	540634	53.60	ng		98
81) 3,3'-Dichlorobenzidine	18.65	252	167637	48.12	ng	#	96
82) Chrysene	18.72	228	491071	50.35	ng		99
83) Bis(2-ethylhexyl)phthalate	18.73	149	443279	51.60	ng	#	97
84) Di-n-octyl phthalate	19.50	149	777513	55.21	ng		99
85) Indeno(1,2,3-cd)pyrene	21.69	276	359484	45.39	ng		99
87) Benzo(b)fluoranthene	19.95	252	428961	57.49	ng		97
88) Benzo(k)fluoranthene	19.98	252	385240	53.52	ng		97
89) Benzo(a)pyrene	20.31	252	356470	51.77	ng		99
90) Dibenzo(a,h)anthracene	21.69	278	303714	53.41	ng		96
91) Benzo(g,h,i)perylene	22.08	276	306823	54.98	ng		98

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

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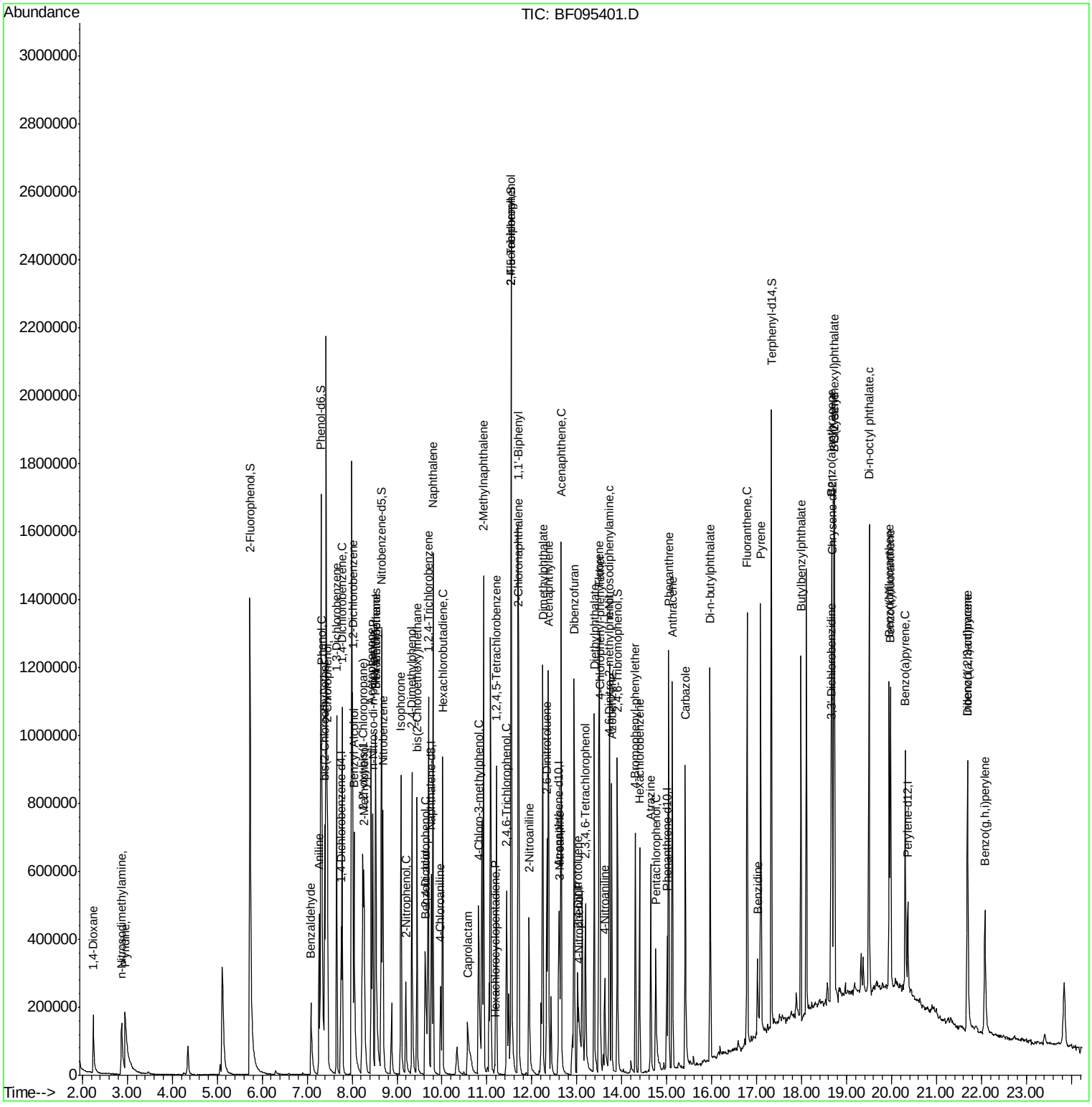
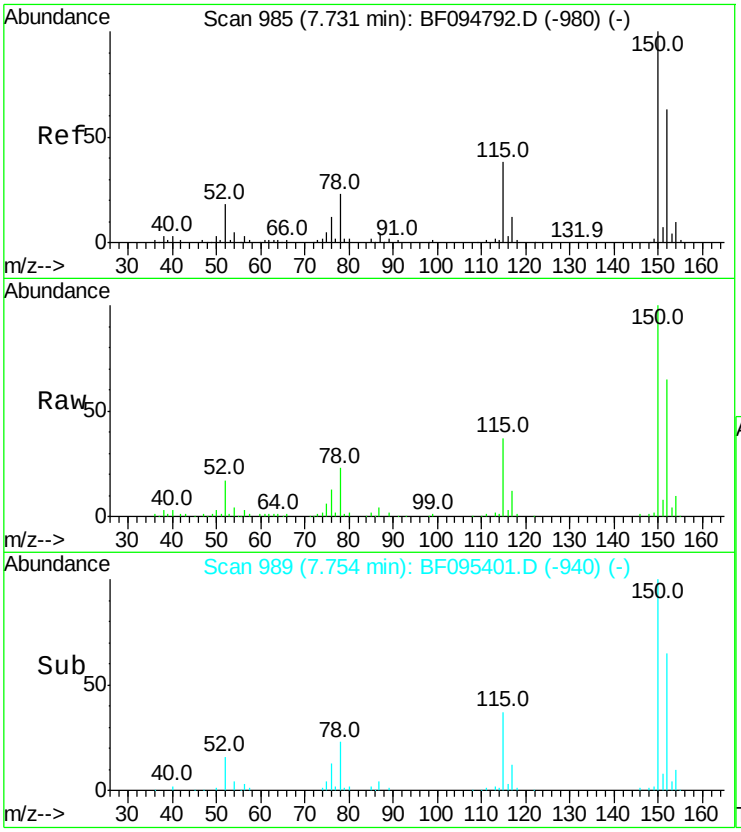
Acq On : 24 May 2017 21:39
Operator : SJ/MA
Sample : I3221-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Quant Time: May 25 04:48:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration



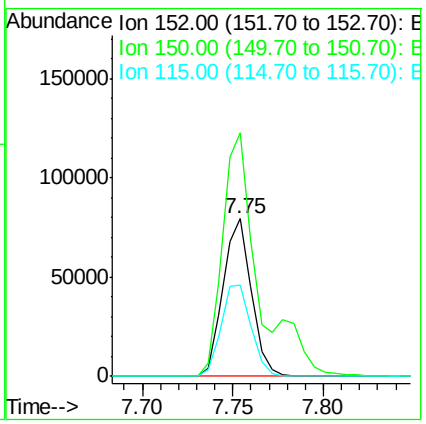


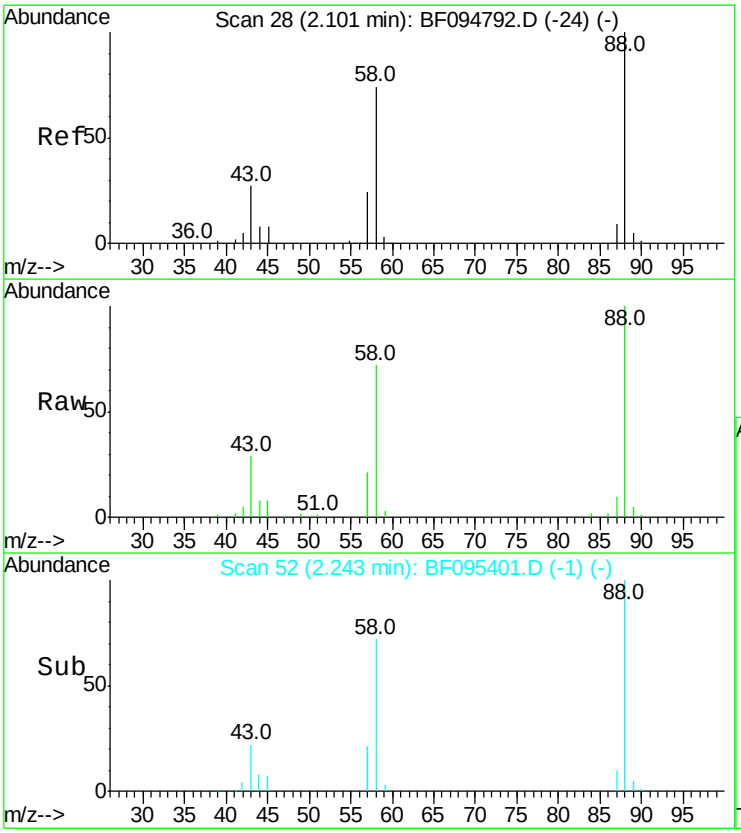
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:152 Resp: 86673

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	58.0	52.2	78.2

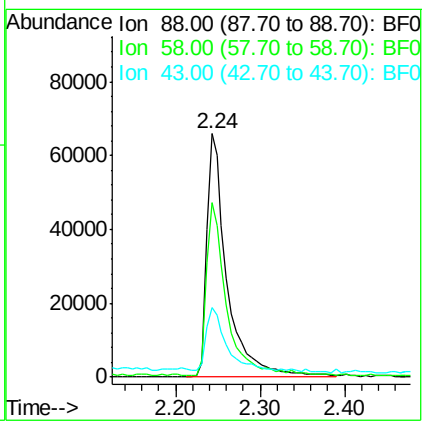


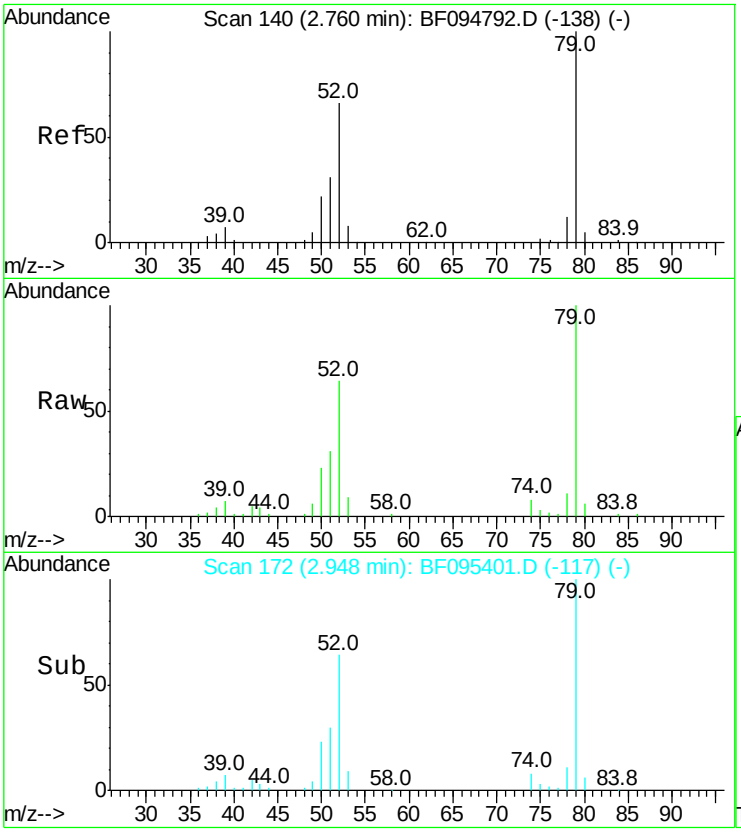


#2
1,4-Dioxane
Concen: 43.59 ng
RT: 2.24 min Scan# 52
Delta R.T. 0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 88 Resp: 111150

Ion	Ratio	Lower	Upper
88	100		
58	69.6	61.4	92.0
43	24.5	23.4	35.0



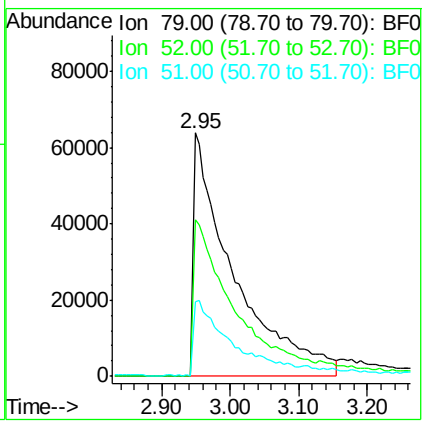


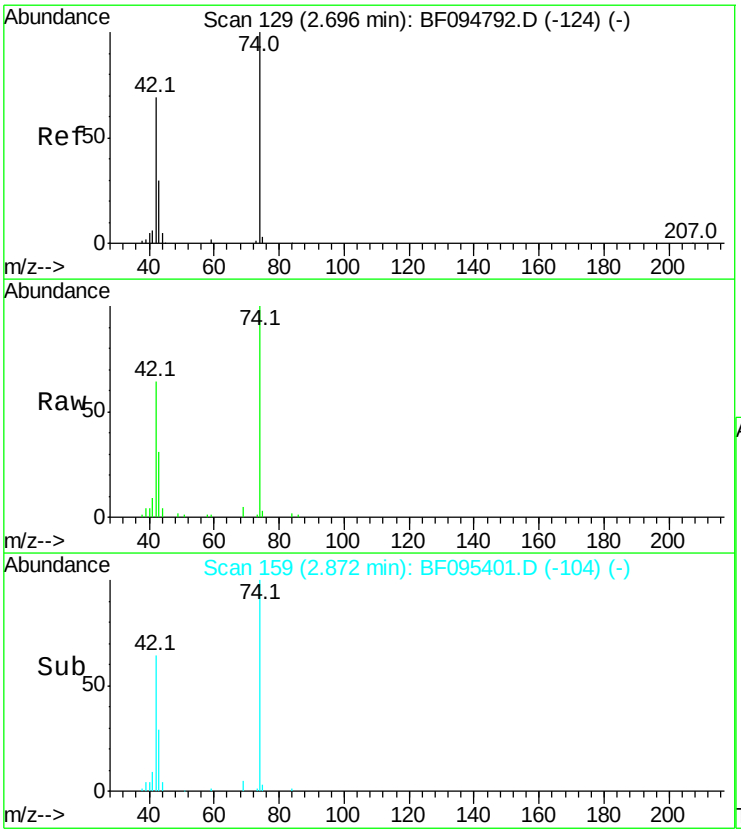
#3
Pyridine
Concen: 43.80 ng
RT: 2.95 min Scan# 172
Delta R.T. 0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 79 Resp: 258827

Ion	Ratio	Lower	Upper
79	100		
52	64.4	54.8	82.2
51	30.9	27.0	40.4

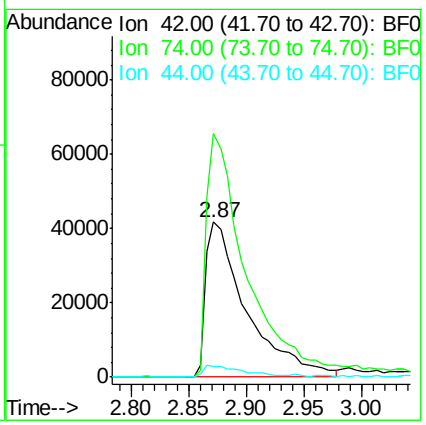


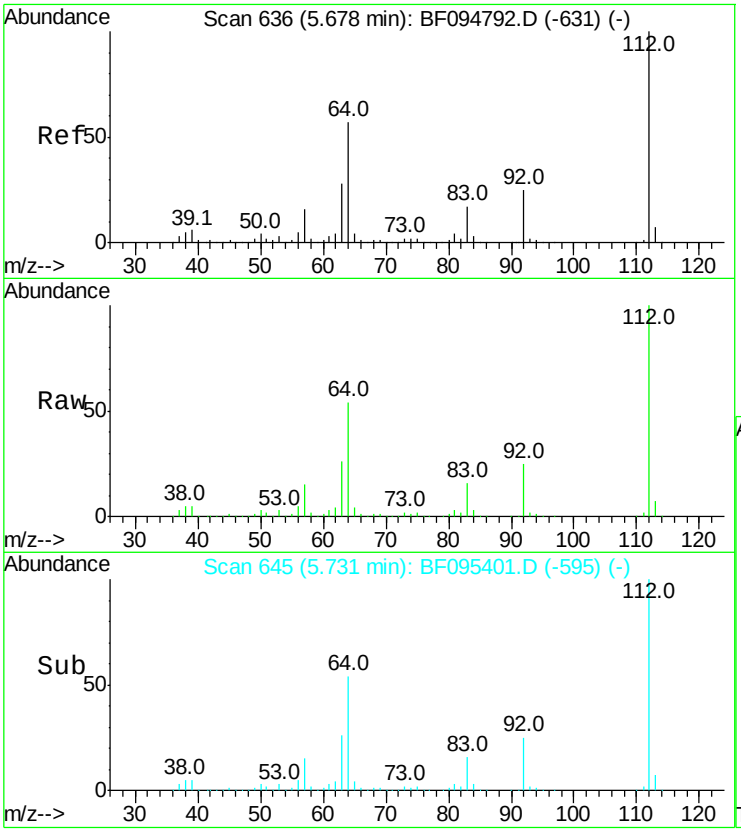


#4
n-Nitrosodimethylamine
Concen: 41.95 ng
RT: 2.87 min Scan# 159
Delta R.T. 0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 42 Resp: 103336

Ion	Ratio	Lower	Upper
42	100		
74	157.1	103.9	155.9#
44	6.7	5.7	8.5



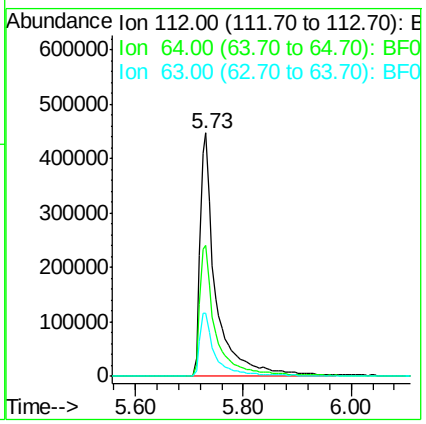


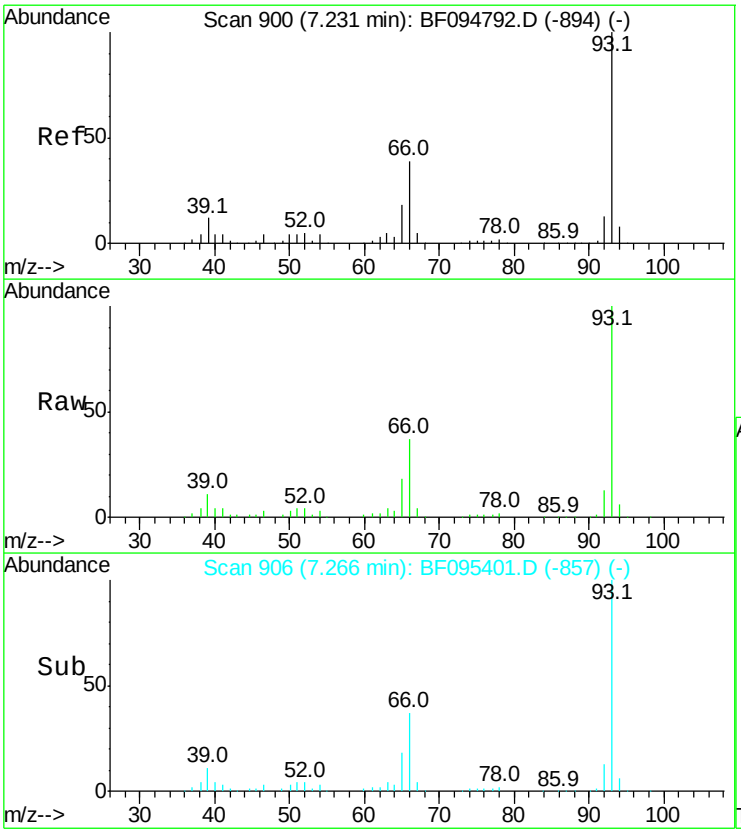
#5
2-Fluorophenol
Concen: 174.19 ng
RT: 5.73 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:112 Resp: 905578

Ion	Ratio	Lower	Upper
112	100		
64	53.8	46.0	69.0
63	25.9	23.4	35.0

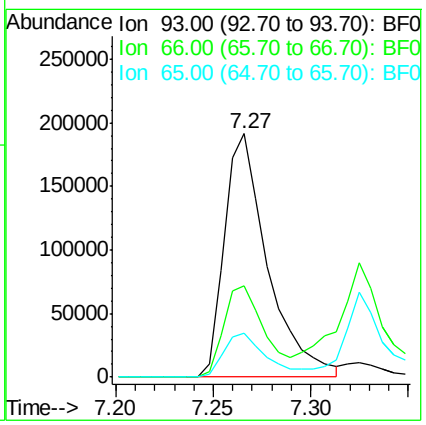


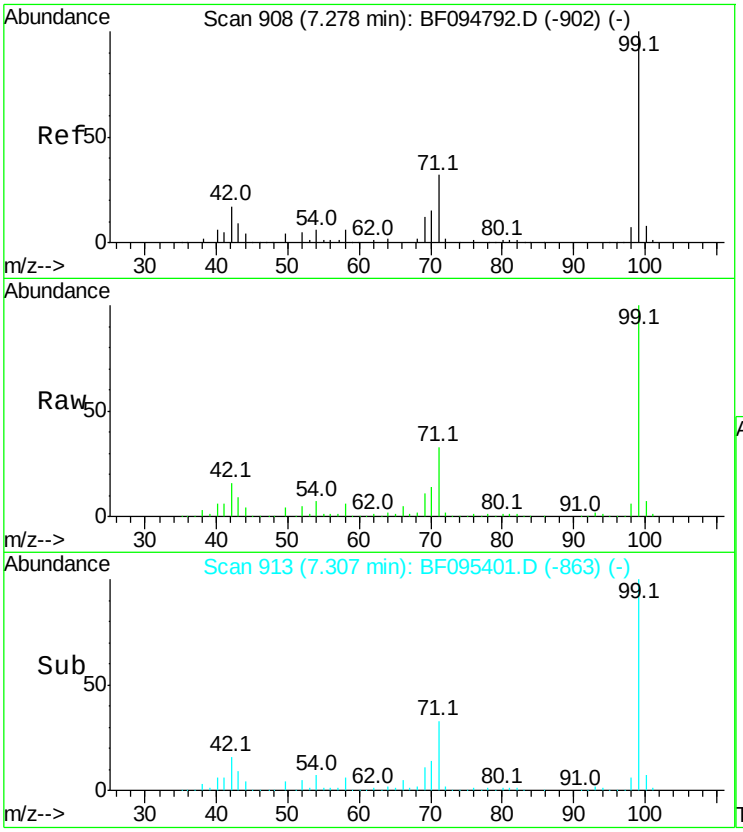


#6
Aniline
Concen: 37.35 ng
RT: 7.27 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 93 Resp: 294088

Ion	Ratio	Lower	Upper
93	100		
66	37.3	32.9	49.3
65	17.9	16.0	24.0



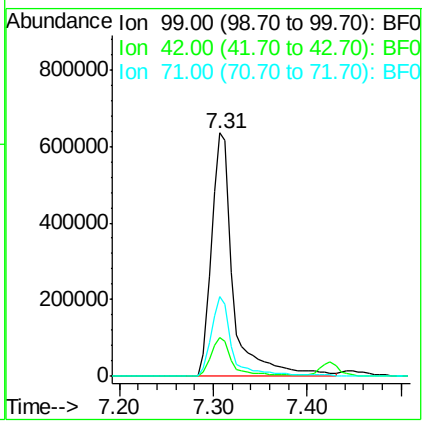


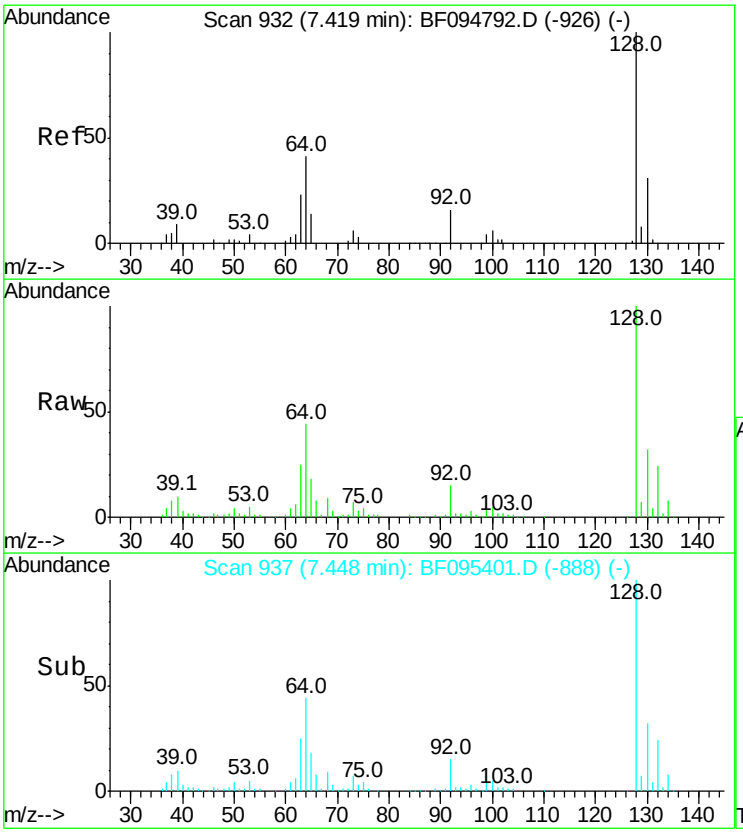
#7
Phenol-d6
Concen: 166.21 ng
RT: 7.31 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 99 Resp: 1036729

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	32.7	24.5	36.7

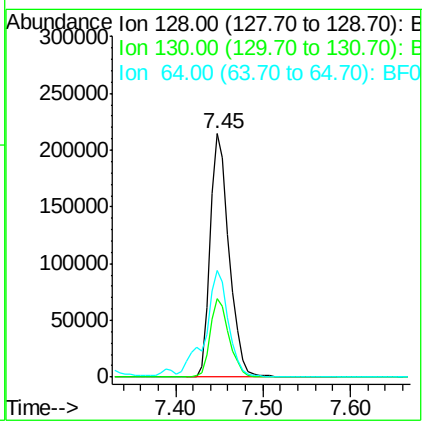


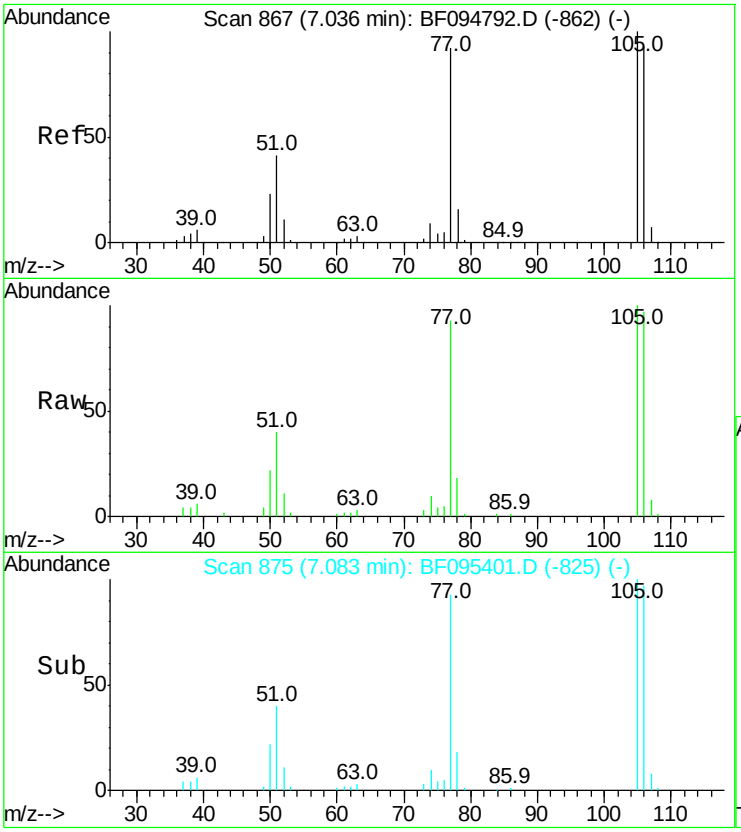


#8
2-Chlorophenol
Concen: 54.56 ng
RT: 7.45 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:128 Resp: 322830

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	43.8	28.4	68.4



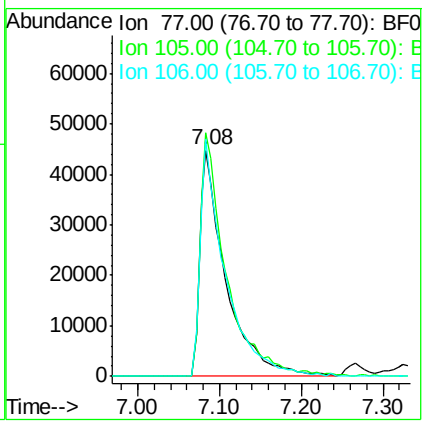


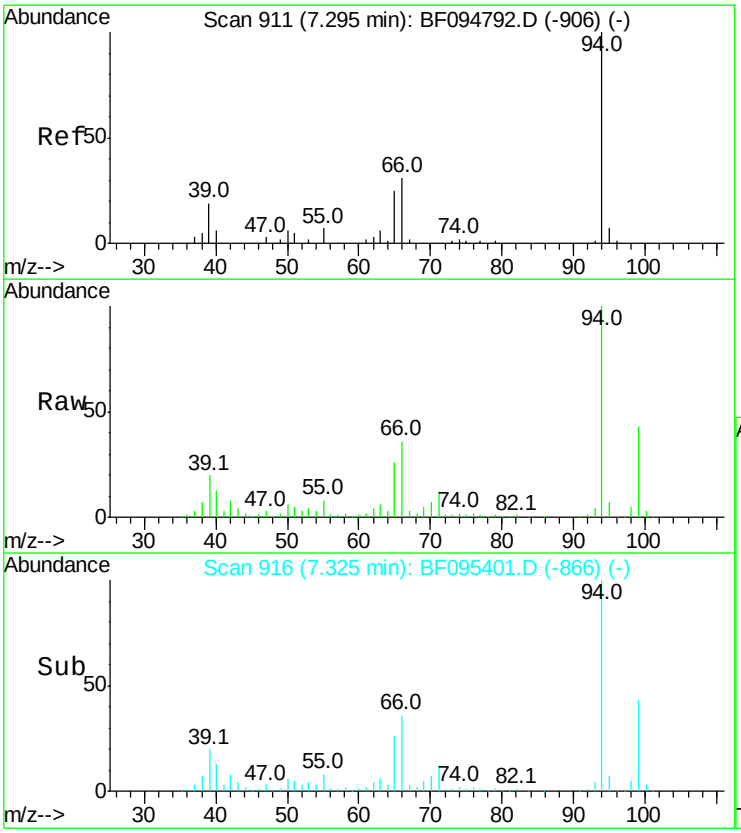
#9
Benzaldehyde
Concen: 26.03 ng
RT: 7.08 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 77 Resp: 99145

Ion	Ratio	Lower	Upper
77	100		
105	107.7	83.8	123.8
106	104.7	79.1	119.1

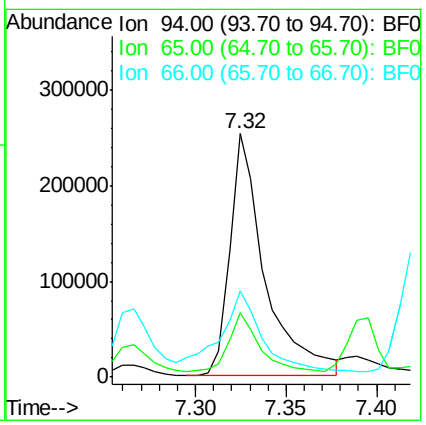


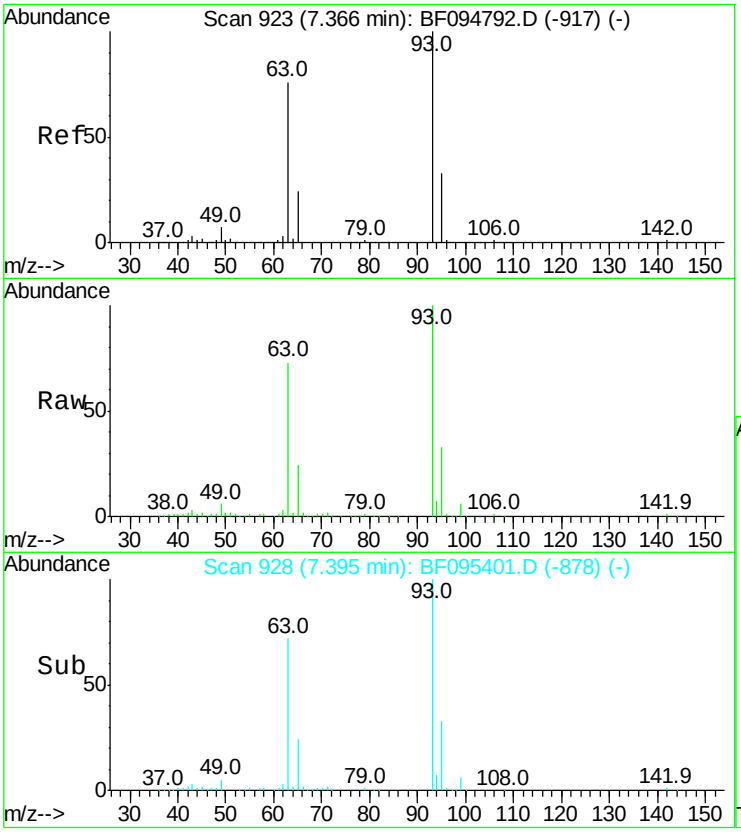


#10
Phenol
Concen: 52.07 ng
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 94 Resp: 342237

Ion	Ratio	Lower	Upper
94	100		
65	26.2	9.9	49.9
66	35.5	23.1	63.1



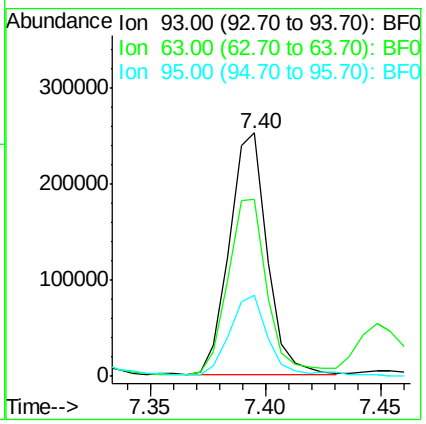


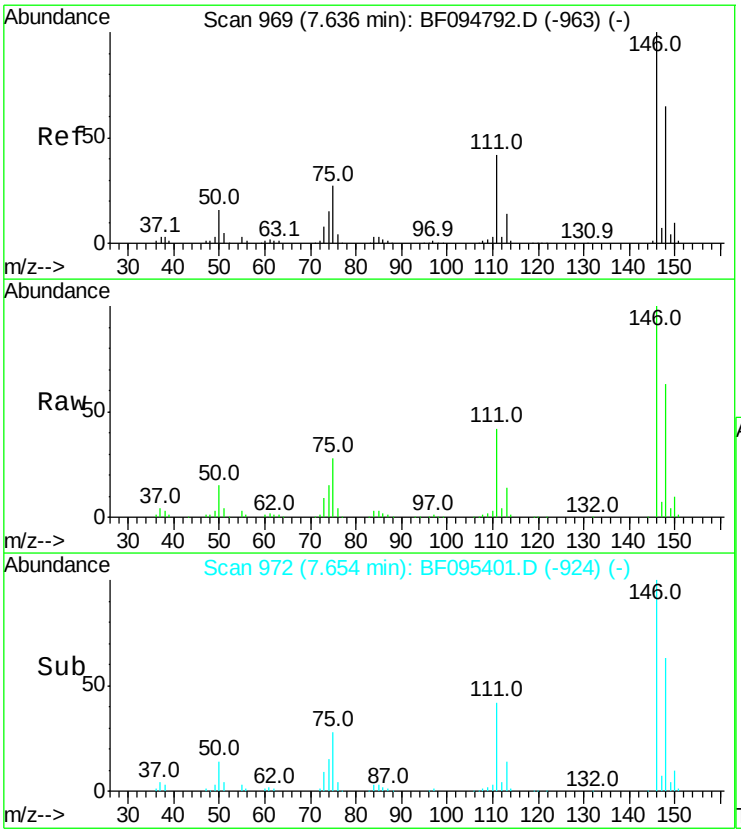
#11
bis(2-Chloroethyl)ether
Concen: 52.92 ng
RT: 7.40 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 93 Resp: 287172

Ion	Ratio	Lower	Upper
93	100		
63	72.6	59.2	99.2
95	33.3	12.8	52.8

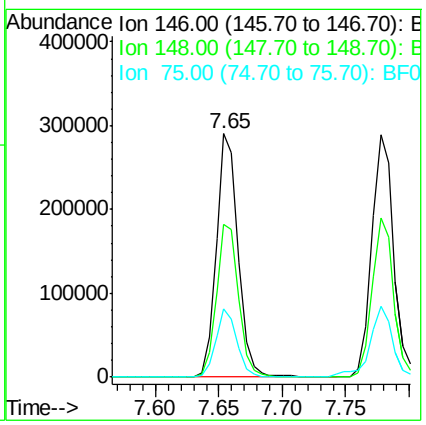


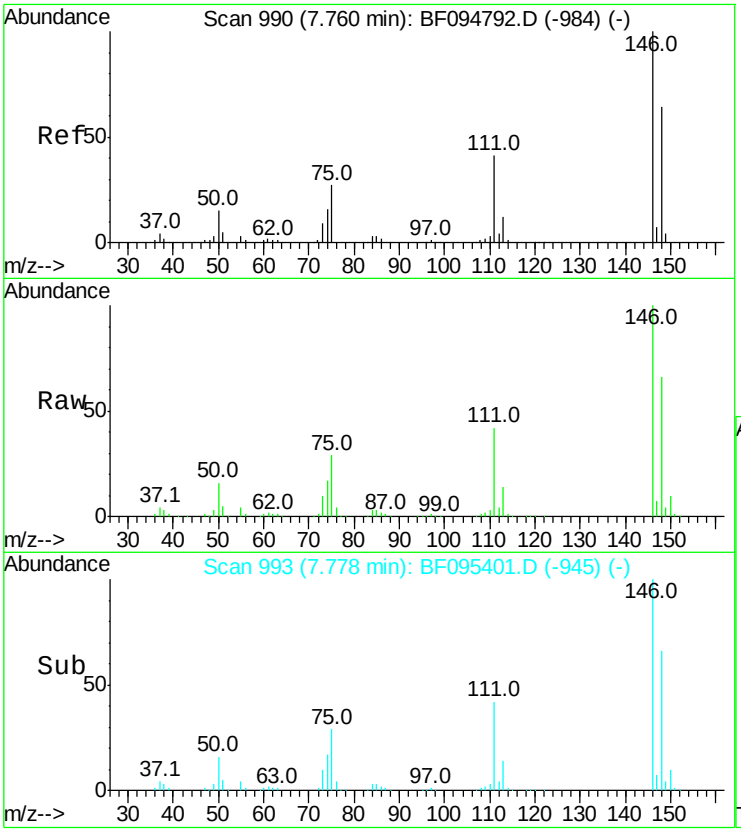


#12
1,3-Dichlorobenzene
Concen: 51.58 ng
RT: 7.65 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:146 Resp: 346227

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.8	77.6
75	27.9	23.1	34.7



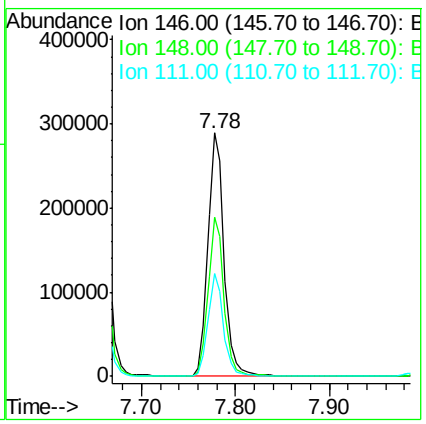


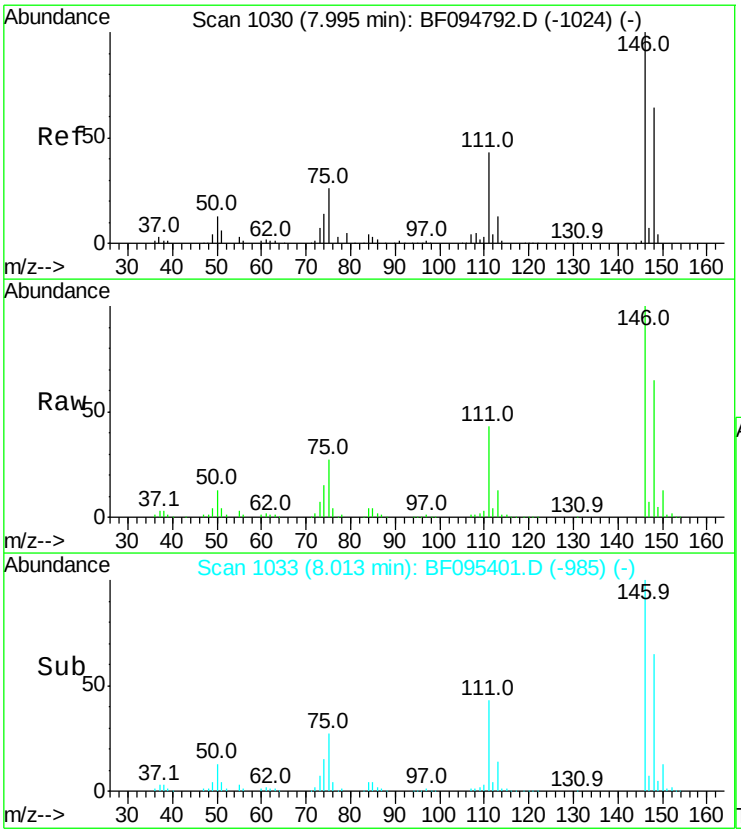
#13
1,4-Dichlorobenzene
Concen: 51.92 ng
RT: 7.78 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:146 Resp: 353395

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	42.1	30.3	45.5

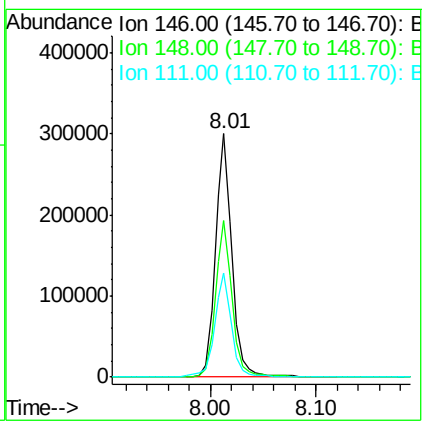


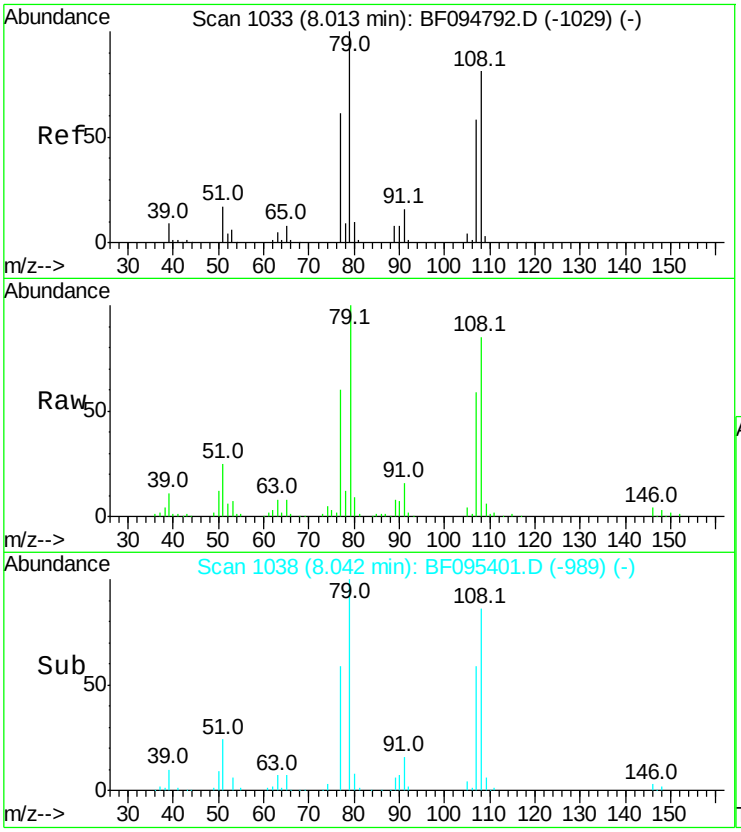


#14
1,2-Dichlorobenzene
Concen: 51.94 ng
RT: 8.01 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:146 Resp: 329986

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.4	75.6
111	42.6	38.2	57.4



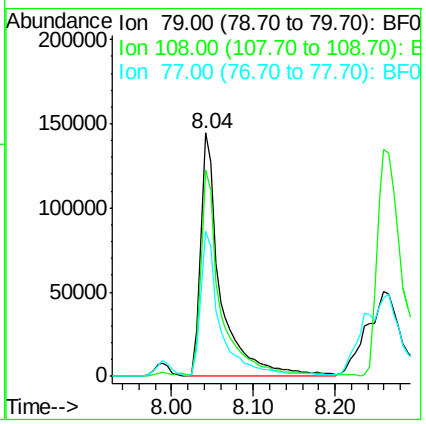


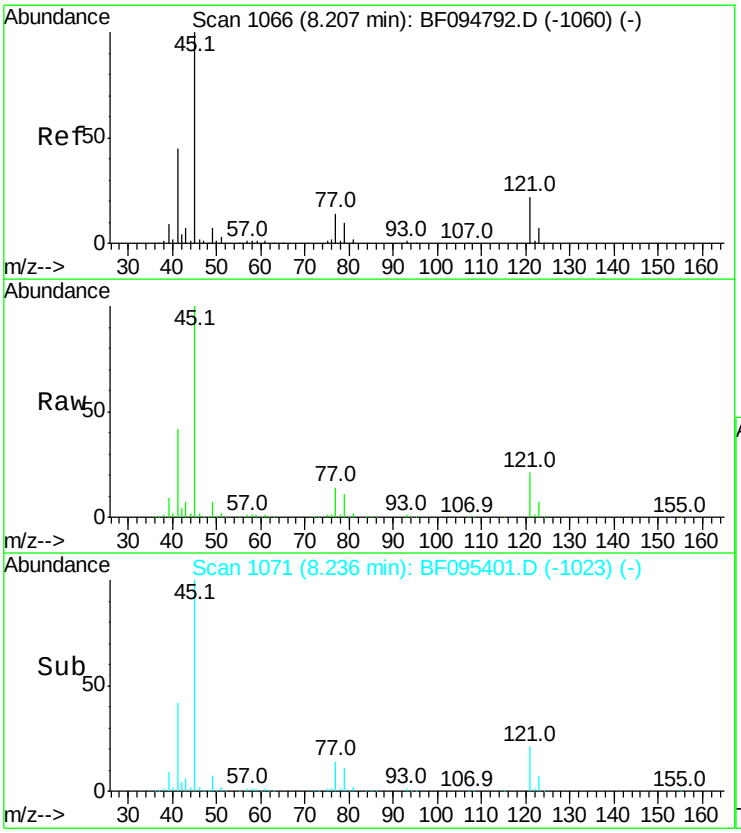
#15
Benzyl Alcohol
Concen: 61.69 ng
RT: 8.04 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 79 Resp: 247491

Ion	Ratio	Lower	Upper
79	100		
108	85.0	63.4	95.0
77	59.7	49.2	73.8

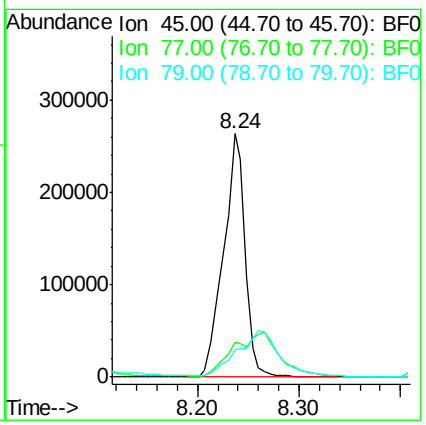


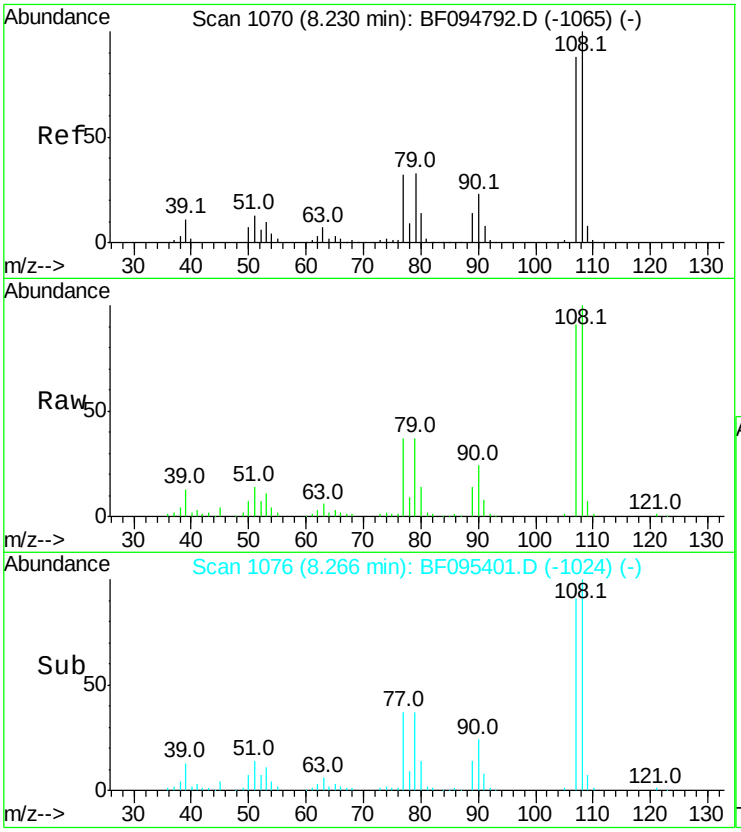


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.70 ng
RT: 8.24 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 45 Resp: 389376

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.2
79	11.3	0.0	30.0



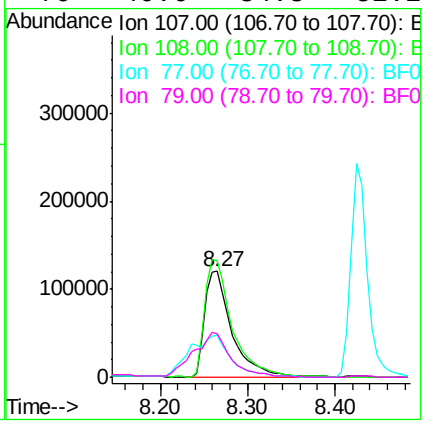


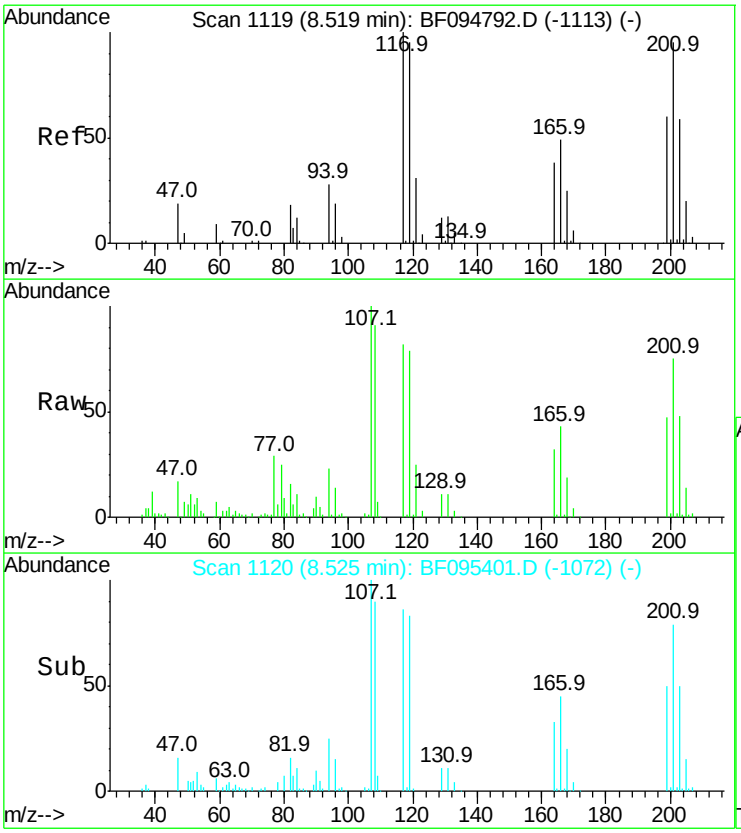
#17
2-Methylphenol
Concen: 53.22 ng
RT: 8.27 min Scan# 1076
Delta R.T. 0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:107 Resp: 257735

Ion	Ratio	Lower	Upper
107	100		
108	110.0	93.4	140.0
77	40.4	35.8	53.6
79	40.6	34.8	52.2

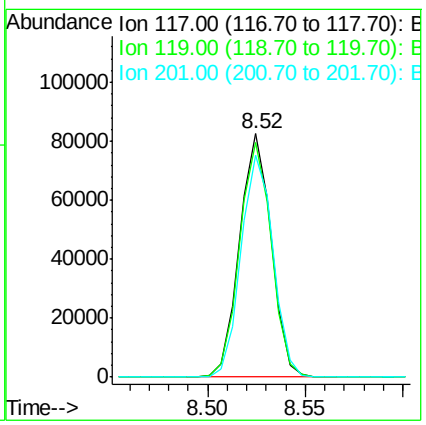


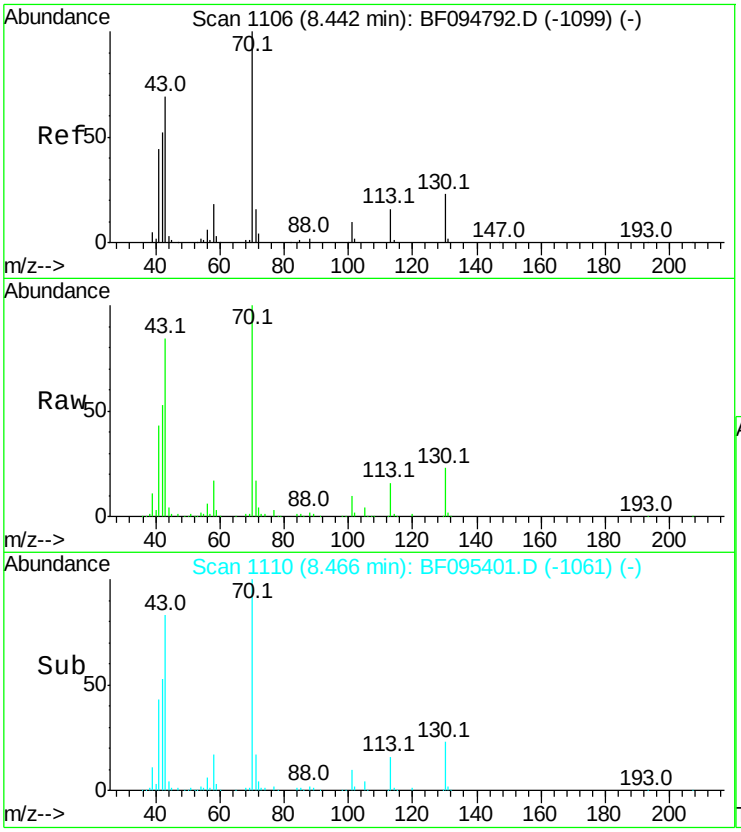


#18
Hexachloroethane
Concen: 40.25 ng
RT: 8.52 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:117 Resp: 92813

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
201	91.2	94.6	141.8#



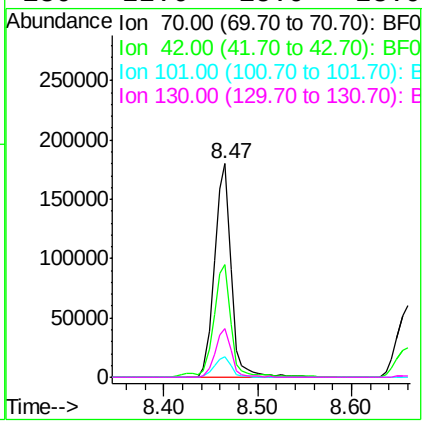


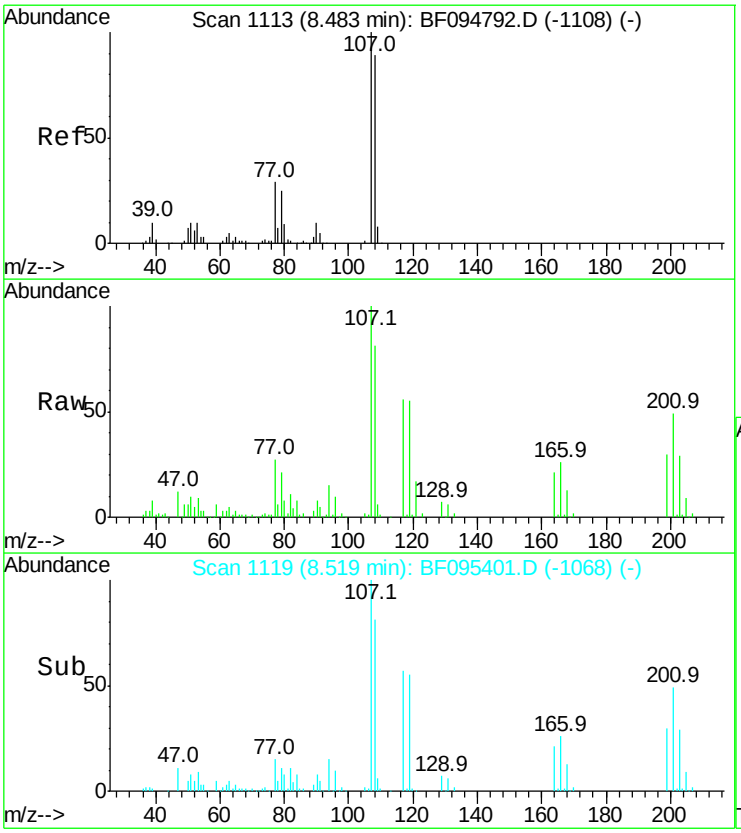
#19
n-Nitroso-di-n-propylamine
Concen: 52.92 ng
RT: 8.47 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 70 Resp: 223260

Ion	Ratio	Lower	Upper
70	100		
42	52.9	47.2	70.8
101	9.8	7.2	10.8
130	22.6	15.9	23.9

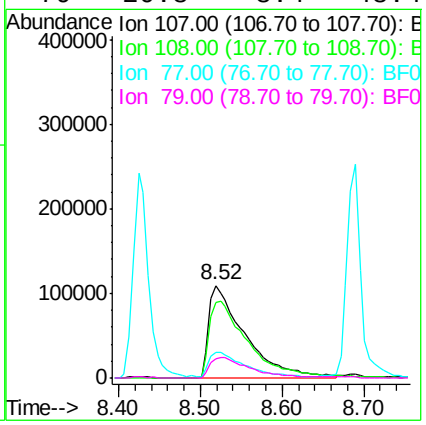


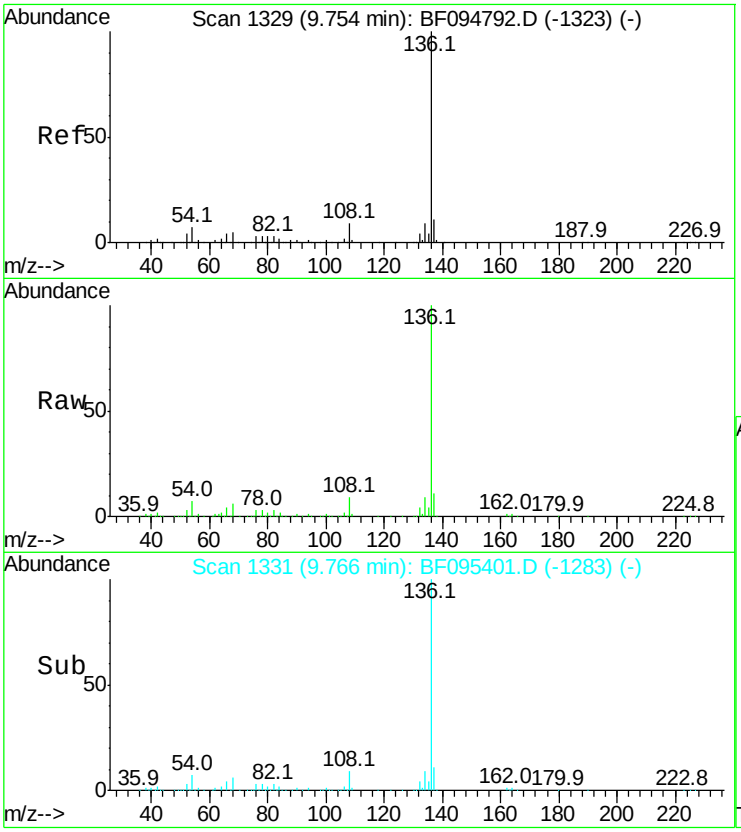


#20
3+4-Methylphenols
Concen: 50.16 ng
RT: 8.52 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:107 Resp: 330041

Ion	Ratio	Lower	Upper
107	100		
108	81.4	71.0	111.0
77	27.1	90.5	130.5#
79	20.8	8.4	48.4



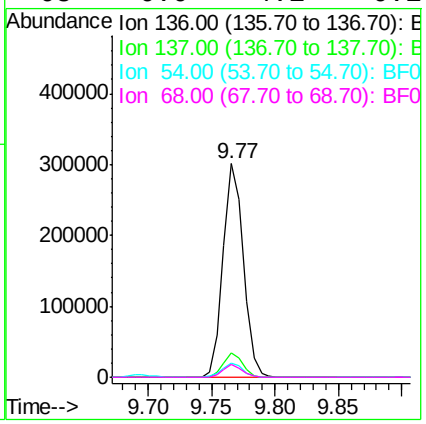


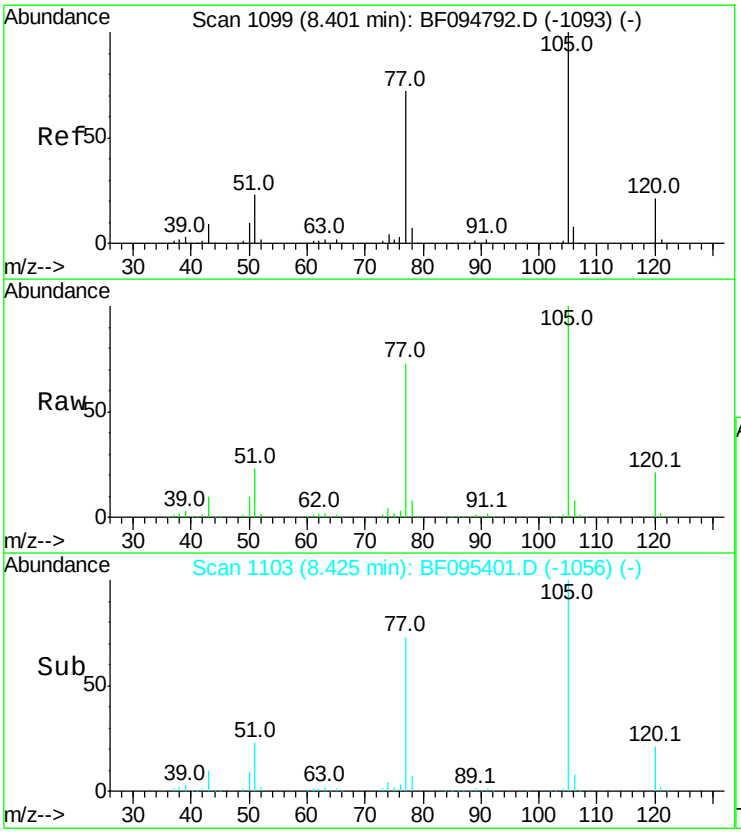
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:136 Resp: 335324

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	6.5	4.9	7.3
68	6.0	4.1	6.1

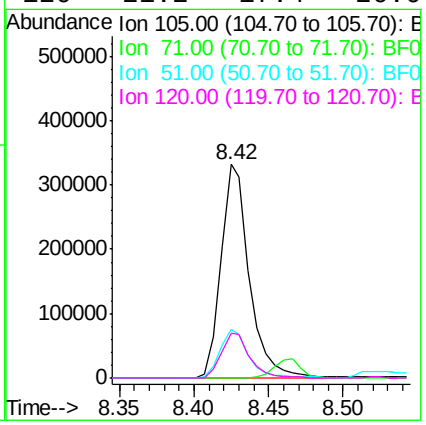


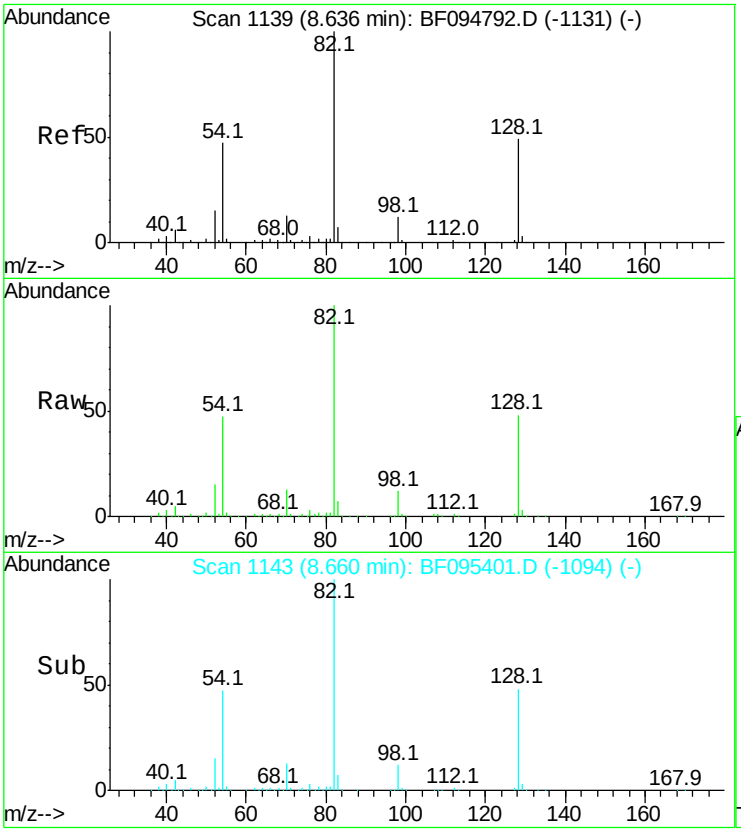


#22
Acetophenone
Concen: 55.23 ng
RT: 8.42 min Scan# 1103
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:105 Resp: 444309

Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.8	4.2#
51	23.1	30.7	46.1#
120	21.2	17.4	26.0



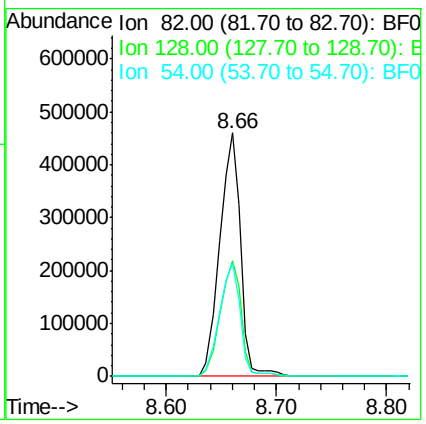


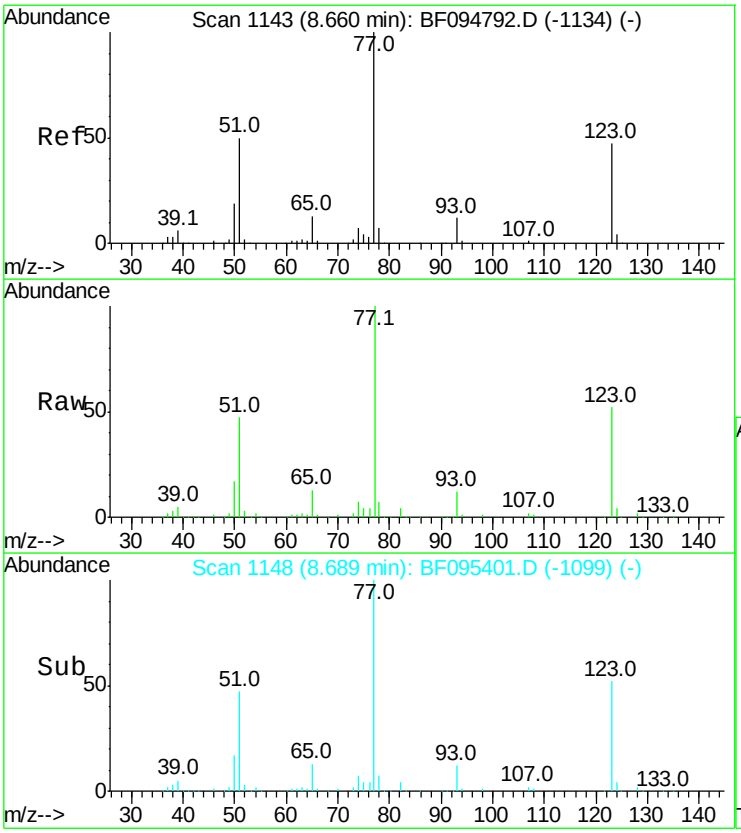
#23
Nitrobenzene-d5
Concen: 113.71 ng
RT: 8.66 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 82 Resp: 604645

Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	46.6	42.2	63.2

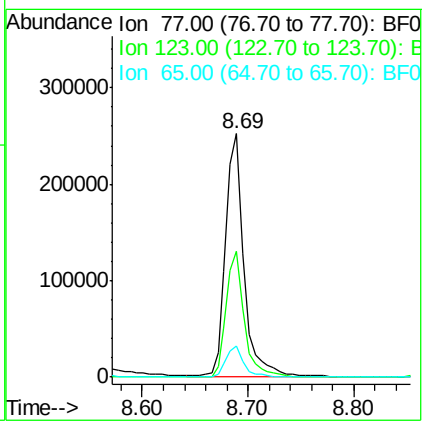


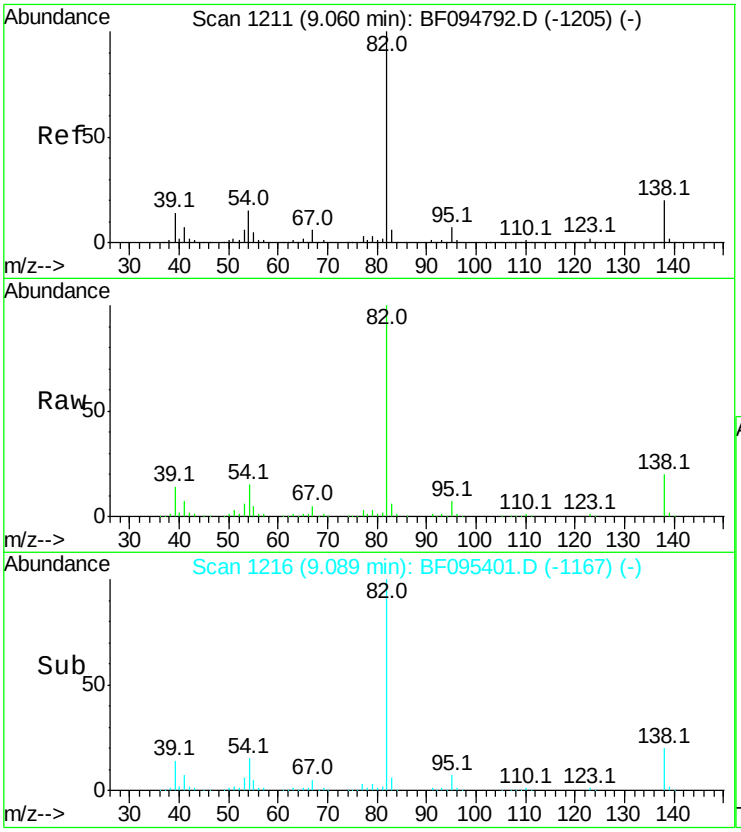


#24
Nitrobenzene
Concen: 54.21 ng
RT: 8.69 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 77 Resp: 302154

Ion	Ratio	Lower	Upper
77	100		
123	51.8	35.8	53.8
65	12.9	10.6	15.8



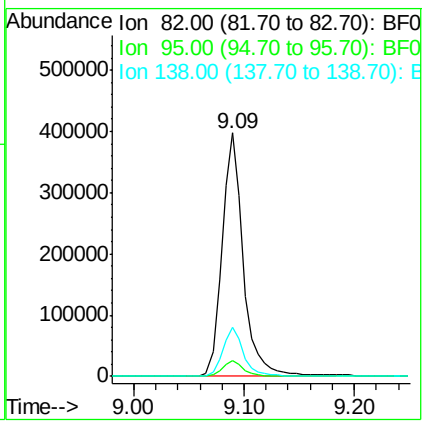


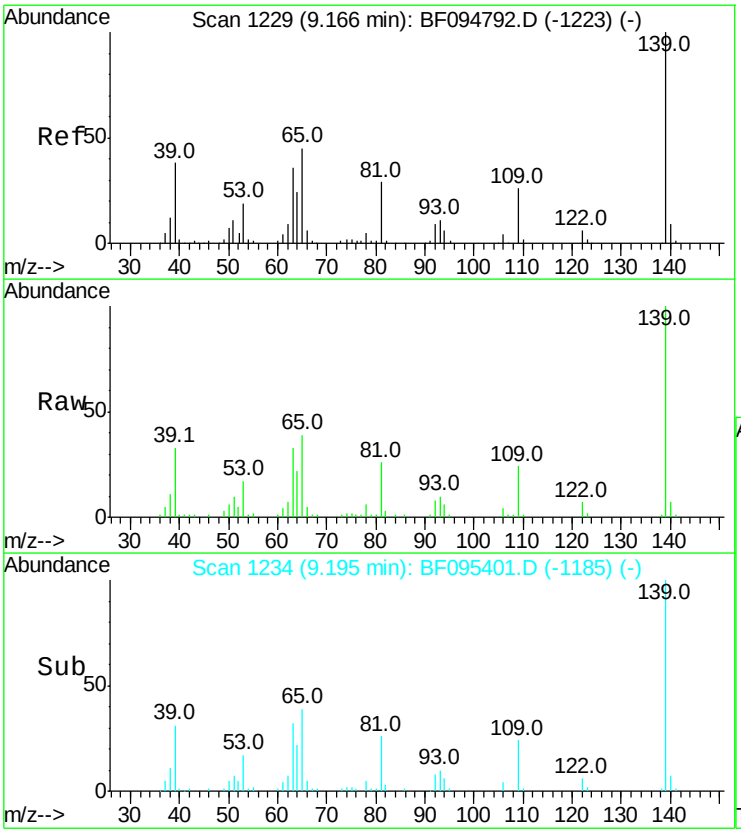
#25
Isophorone
Concen: 56.15 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 82 Resp: 533167

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	20.1	13.1	19.7#

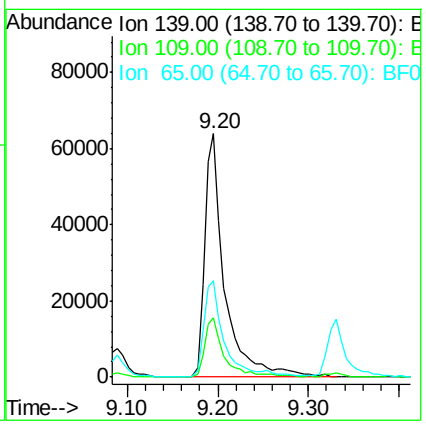


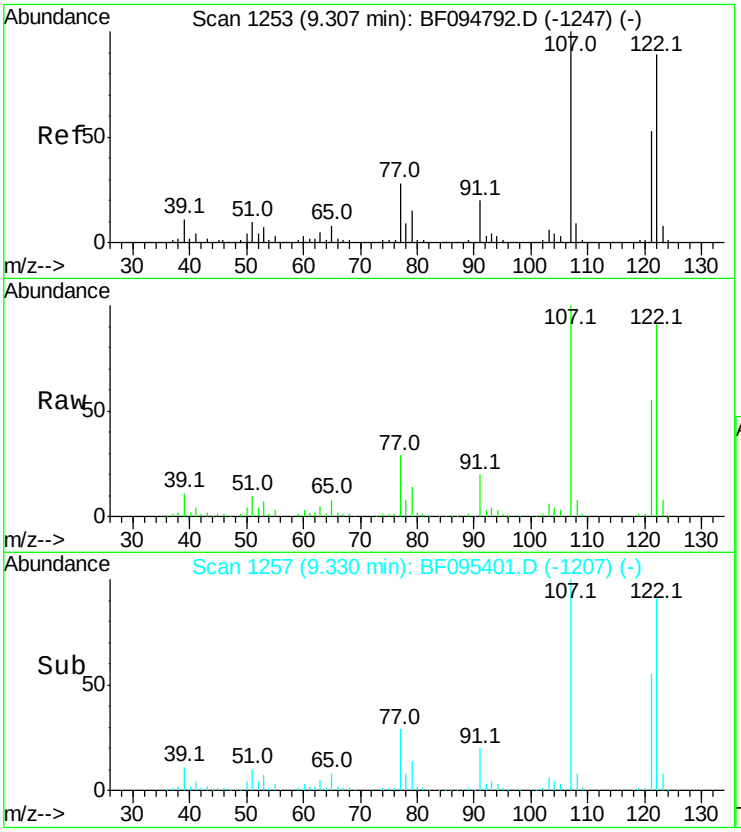


#26
2-Nitrophenol
Concen: 32.54 ng
RT: 9.20 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:139 Resp: 97874

Ion	Ratio	Lower	Upper
139	100		
109	24.4	21.0	31.6
65	39.5	33.0	49.6



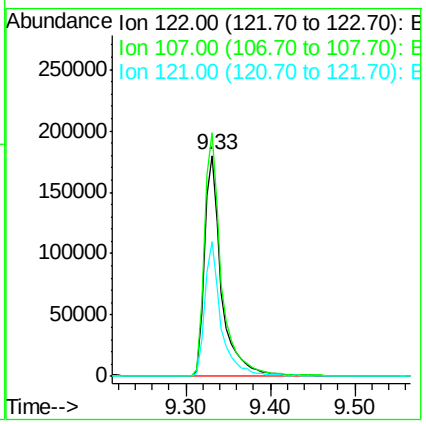


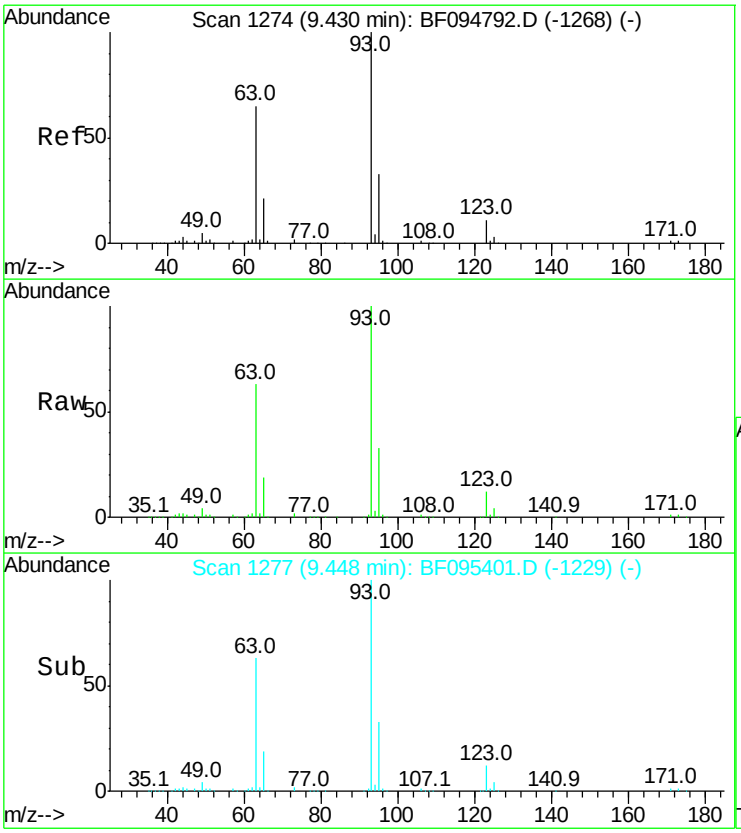
#27
2,4-Dimethylphenol
Concen: 52.29 ng
RT: 9.33 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:122 Resp: 254293

Ion	Ratio	Lower	Upper
122	100		
107	110.2	89.2	133.8
121	60.9	45.2	67.8

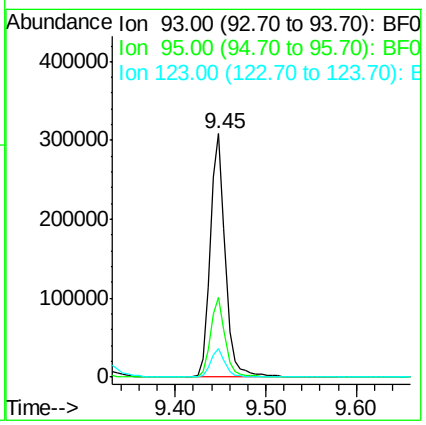


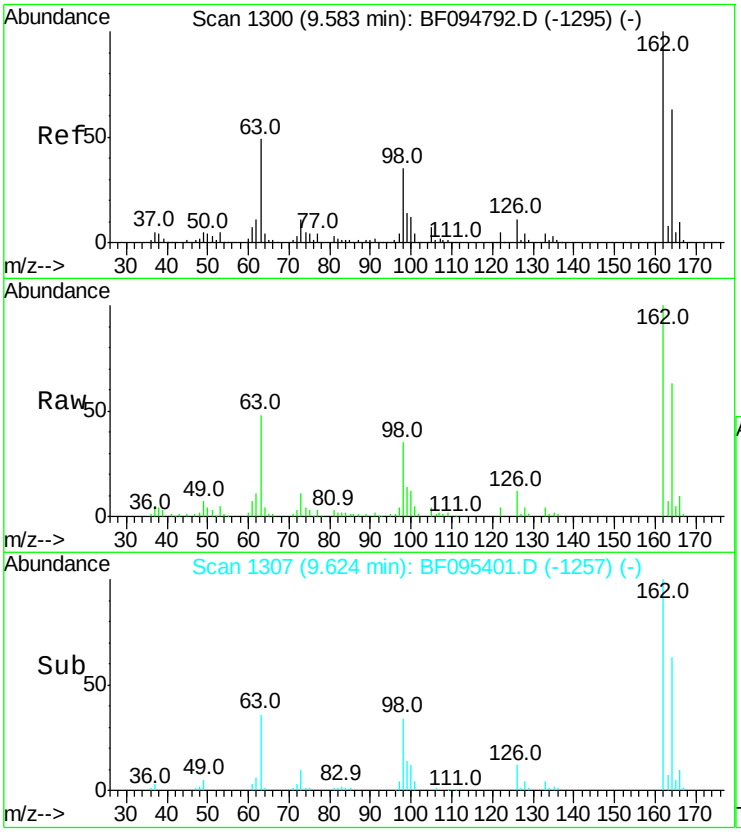


#28
bis(2-Chloroethoxy)methane
Concen: 54.37 ng
RT: 9.45 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion: 93 Resp: 357135

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	11.7	9.0	13.4



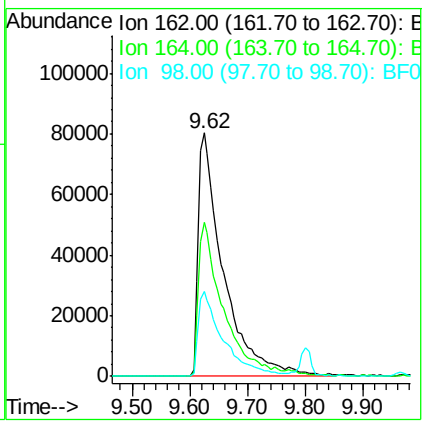


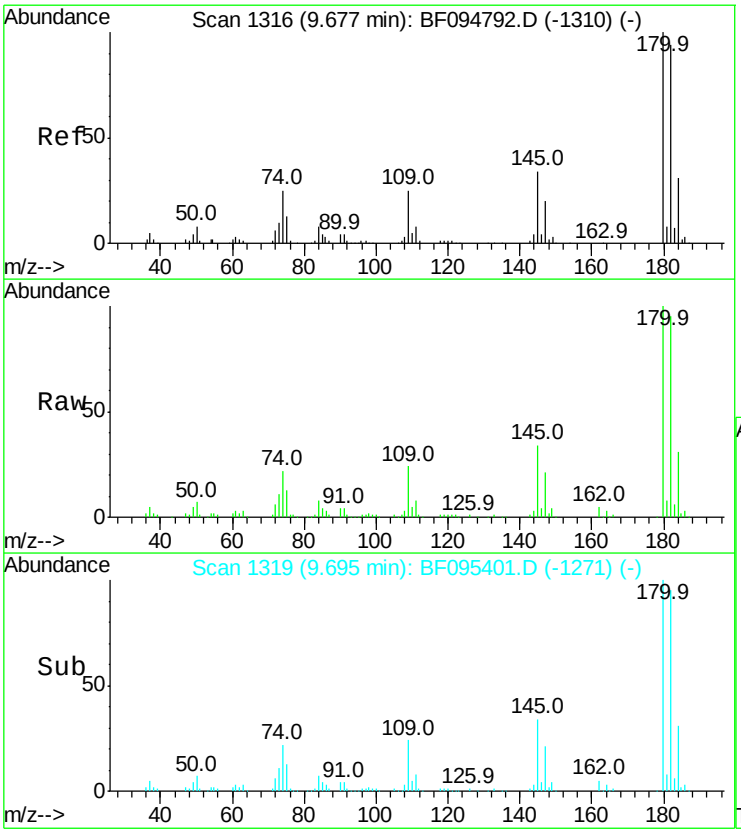
#29
2,4-Dichlorophenol
Concen: 53.12 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:162 Resp: 243887

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.6	84.6
98	34.9	14.8	54.8

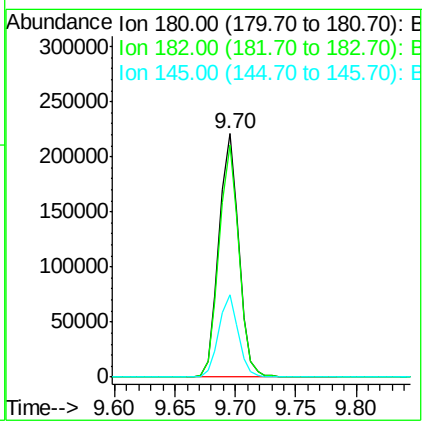


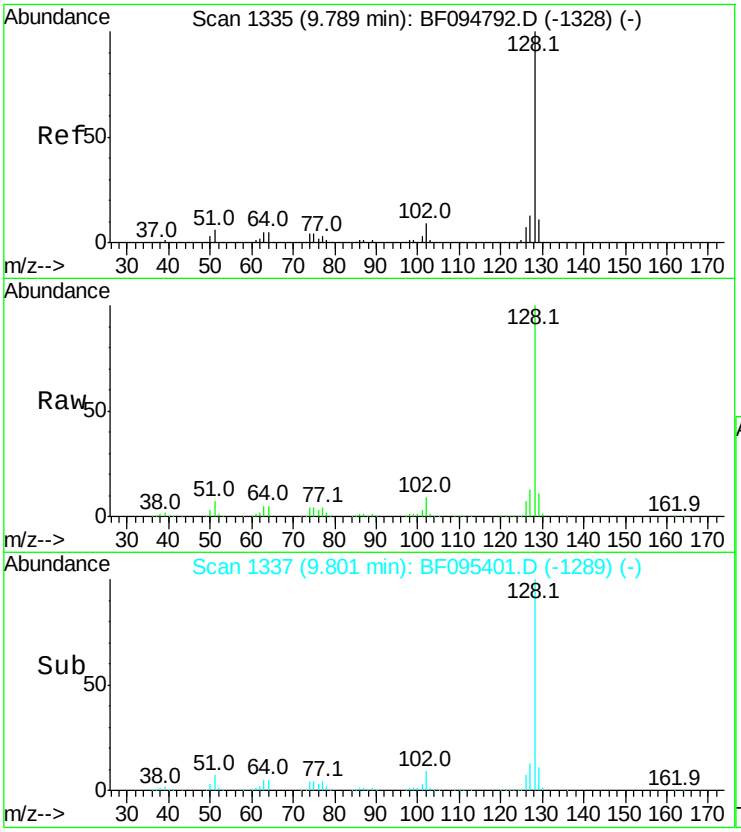


#30
1,2,4-Trichlorobenzene
Concen: 51.14 ng
RT: 9.70 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:180 Resp: 251565

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
145	33.8	25.3	37.9



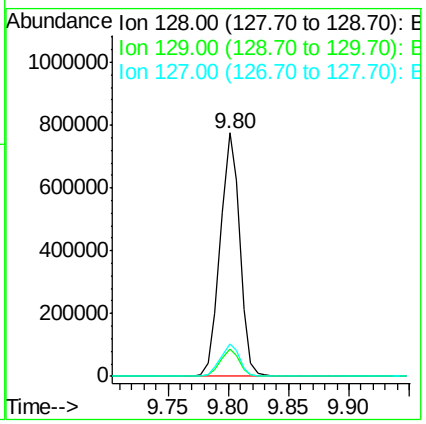


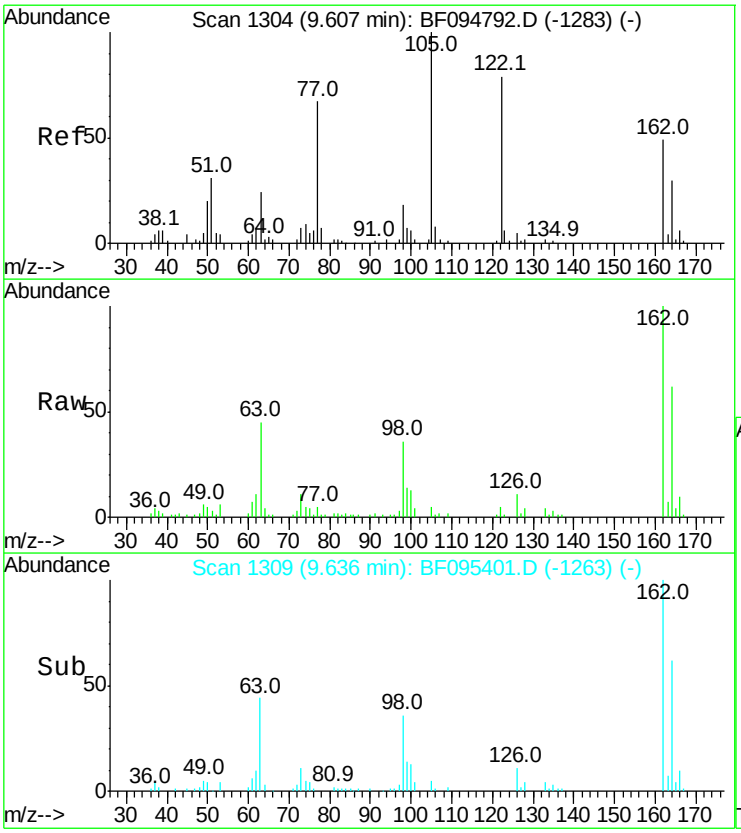
#31
Naphthalene
Concen: 51.25 ng
RT: 9.80 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:128 Resp: 863741

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.5	10.8	16.2

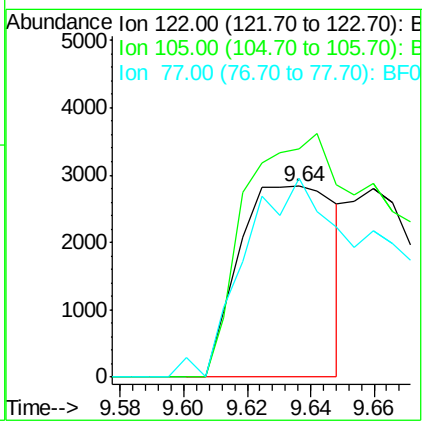


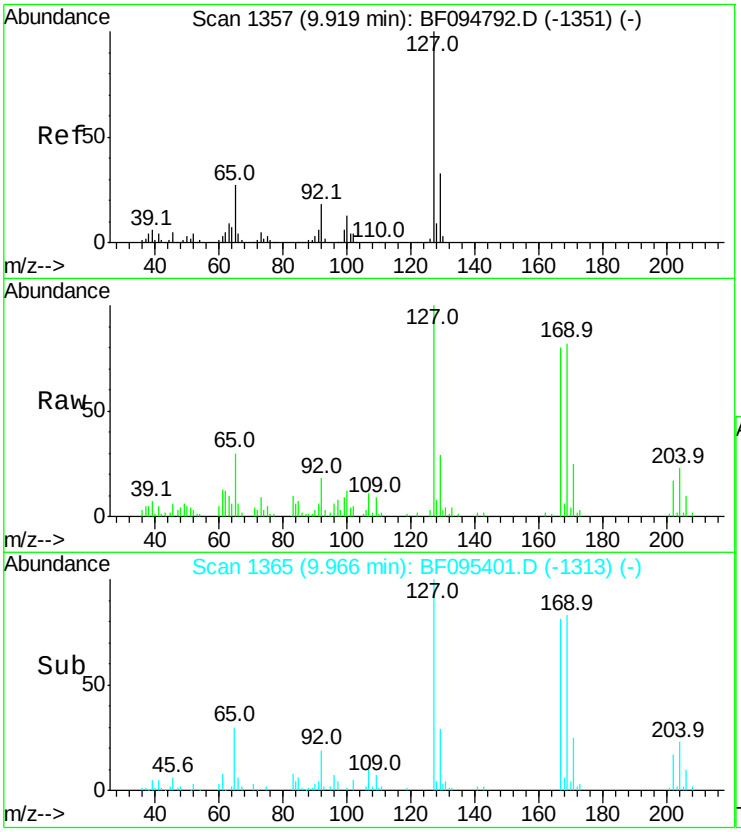


#32
Benzoic acid
Concen: 6.75 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.03 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:122 Resp: 5955

Ion	Ratio	Lower	Upper
122	100		
105	119.4	103.3	143.3
77	104.4	73.7	113.7



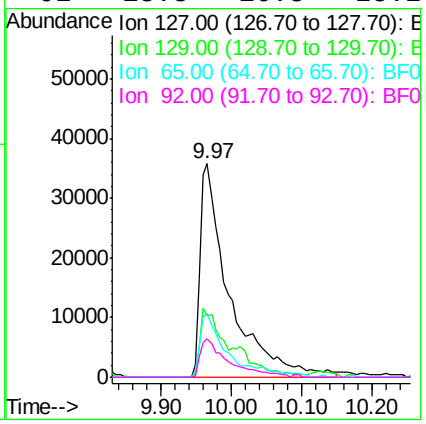


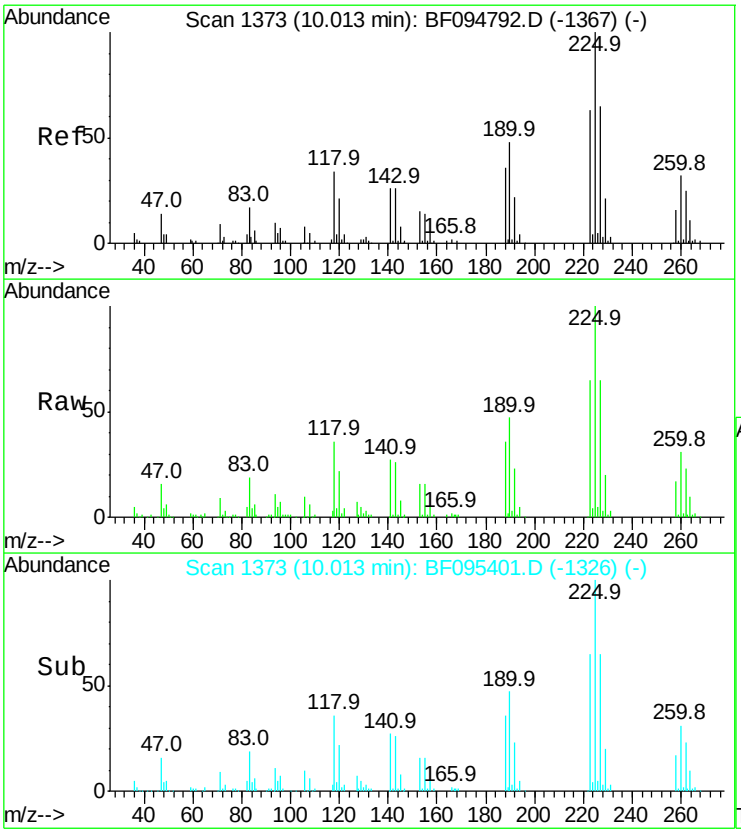
#33
4-Chloroaniline
Concen: 16.37 ng
RT: 9.97 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:127 Resp: 102836

Ion	Ratio	Lower	Upper
127	100		
129	28.8	26.2	39.2
65	30.2	27.8	41.8
92	18.3	16.8	25.2

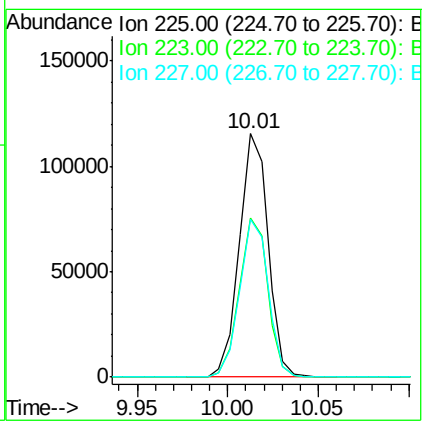


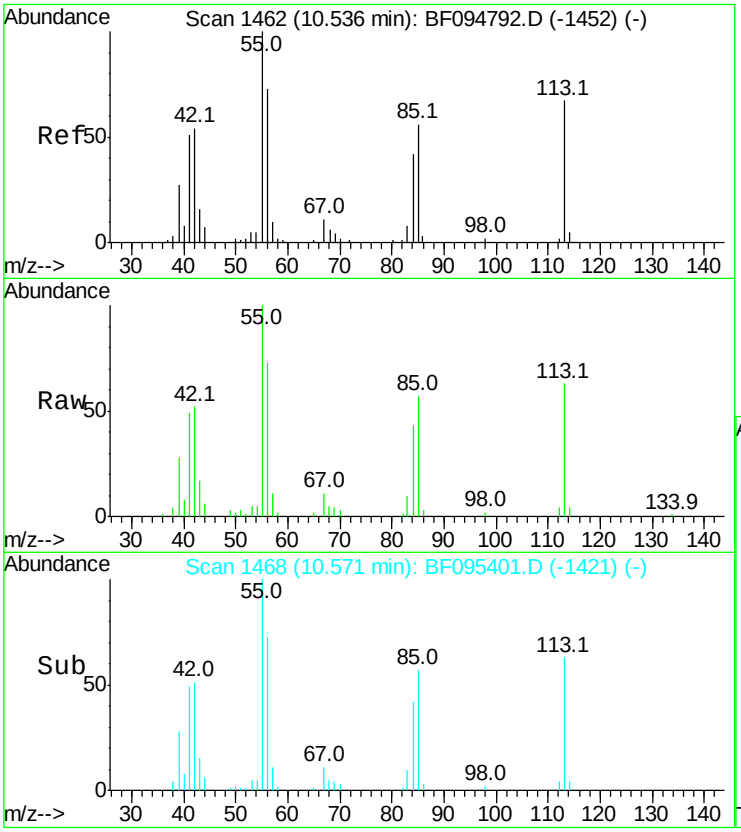


#34
Hexachlorobutadiene
Concen: 49.16 ng
RT: 10.01 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:225 Resp: 127586

Ion	Ratio	Lower	Upper
225	100		
223	65.2	48.8	73.2
227	64.6	51.1	76.7



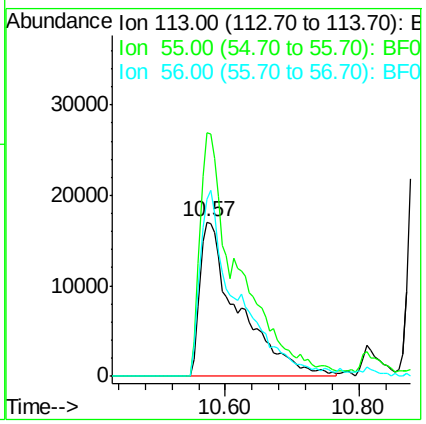


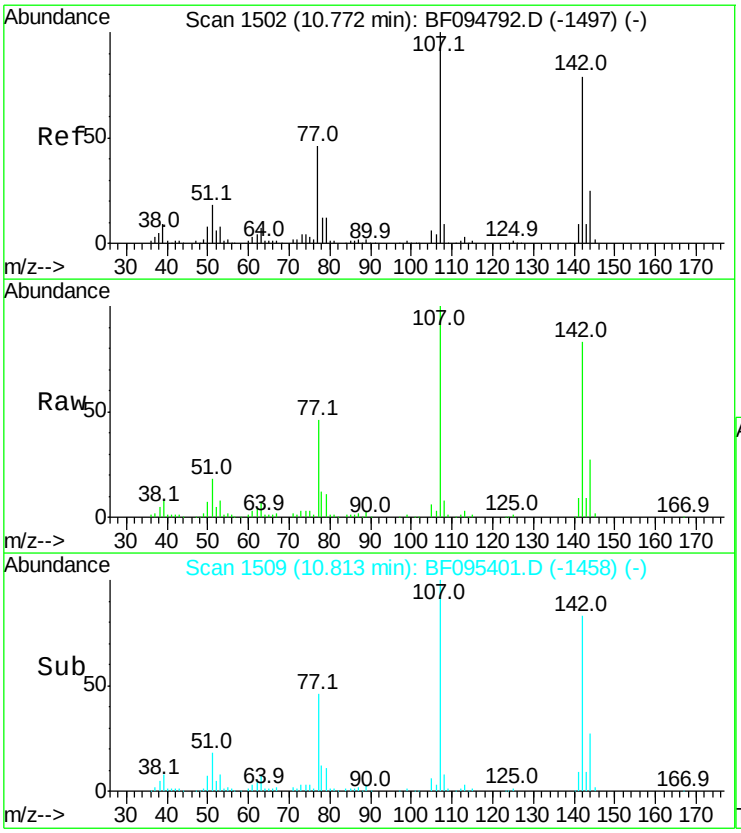
#35
Caprolactam
Concen: 49.59 ng
RT: 10.57 min Scan# 1468
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:113 Resp: 68377

Ion	Ratio	Lower	Upper
113	100		
55	157.8	150.2	190.2
56	114.7	107.8	147.8

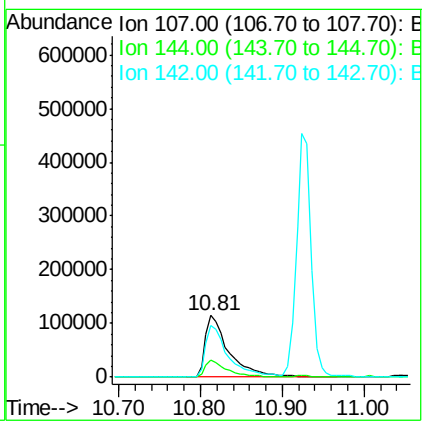


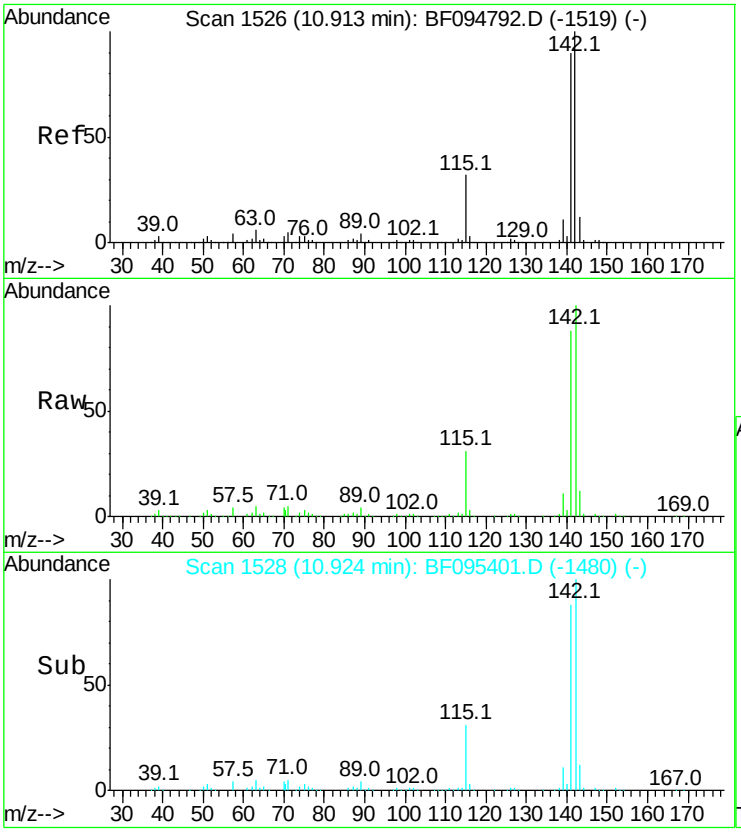


#36
4-Chloro-3-methylphenol
Concen: 47.44 ng
RT: 10.81 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:107 Resp: 232890

Ion	Ratio	Lower	Upper
107	100		
144	26.9	24.2	36.4
142	83.0	73.4	110.0



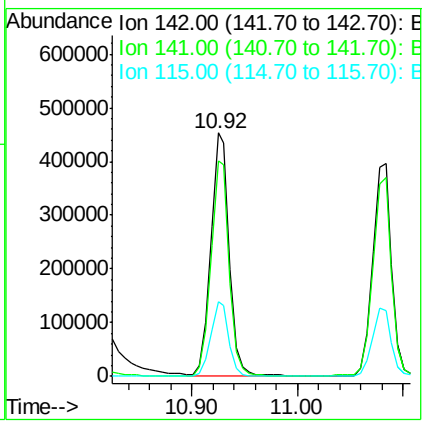


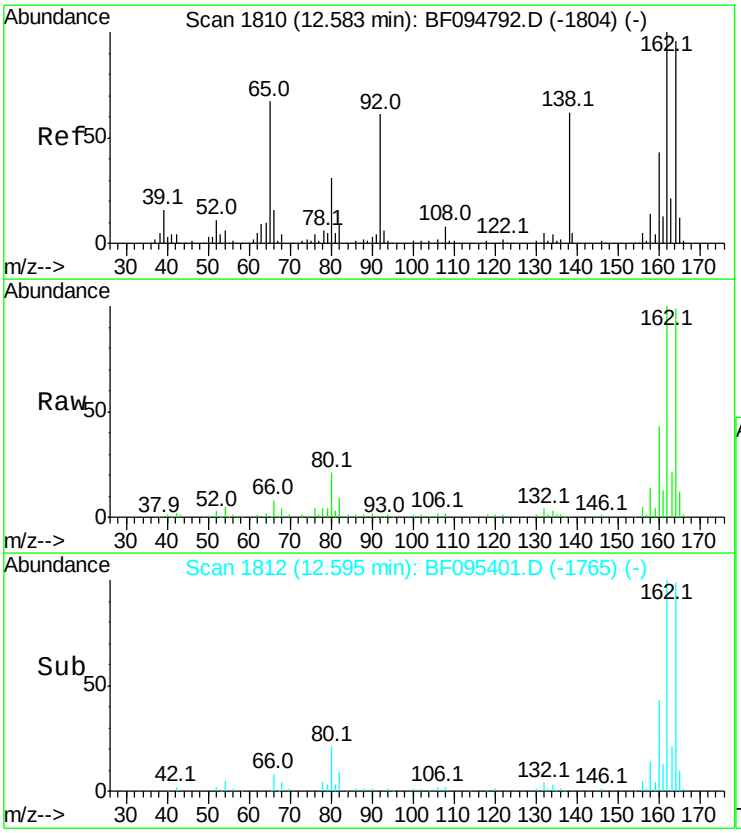
#37
2-Methylnaphthalene
Concen: 50.58 ng
RT: 10.92 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:142 Resp: 559439

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9
115	30.7	27.1	40.7

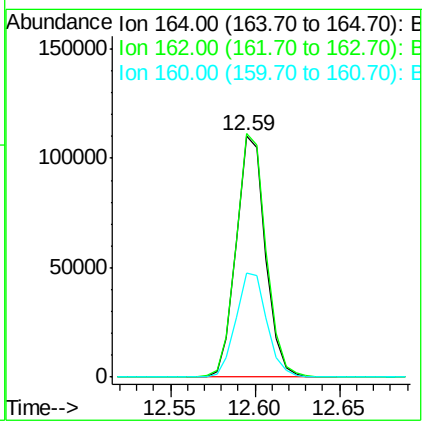


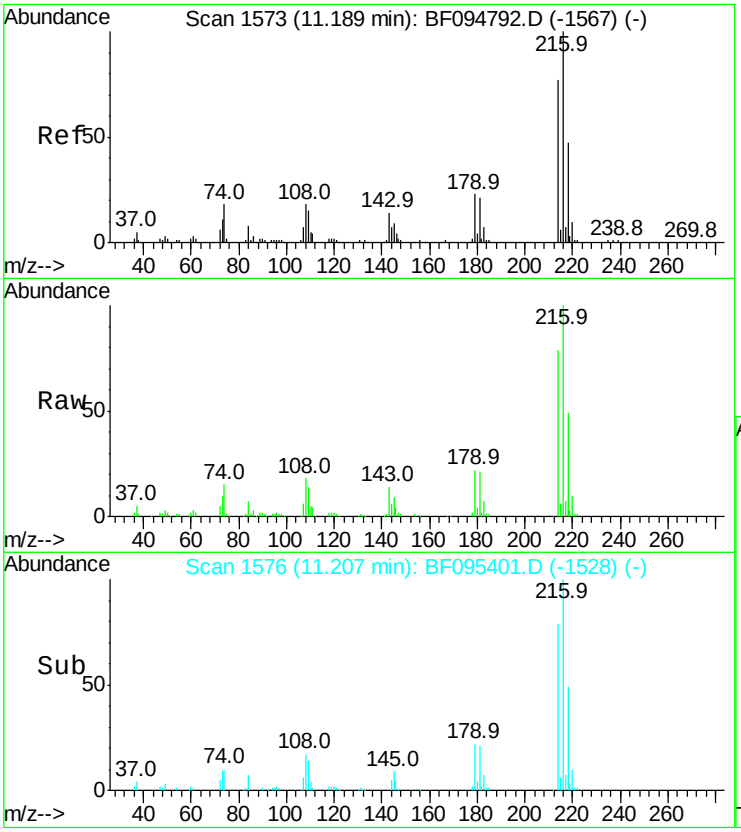


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:164 Resp: 132267

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	43.1	36.2	54.2



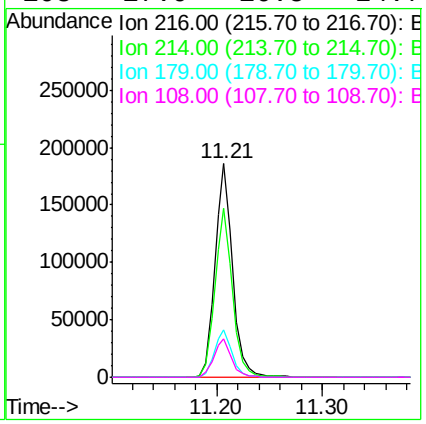


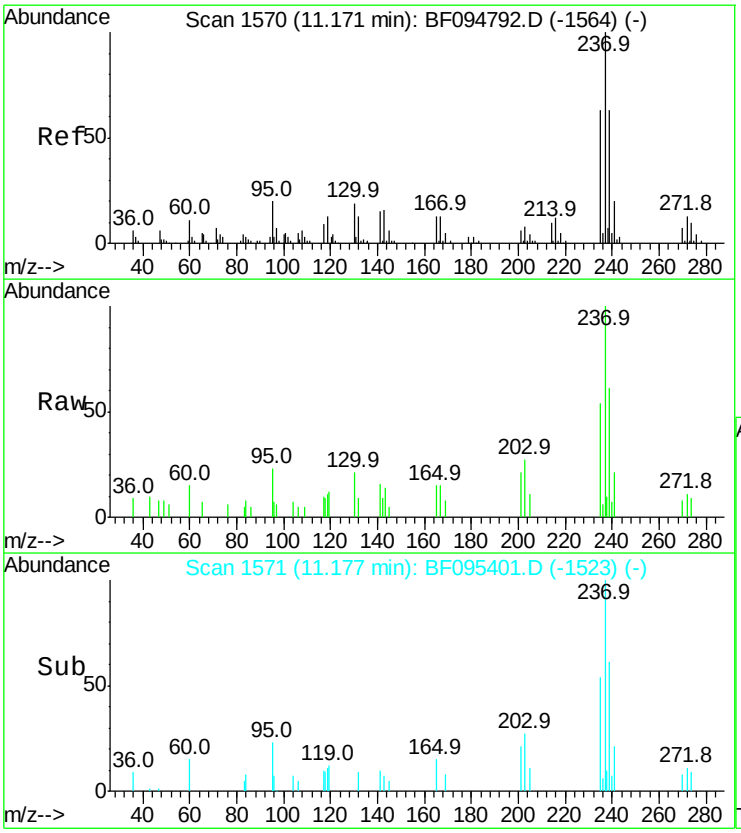
#39
1,2,4,5-Tetrachlorobenzene
Concen: 53.51 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:216 Resp: 217650

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	22.2	17.9	26.9
108	17.9	16.5	24.7

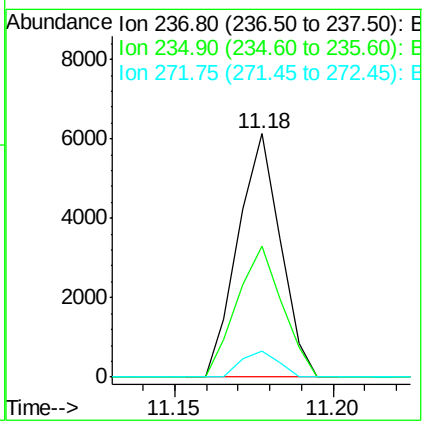


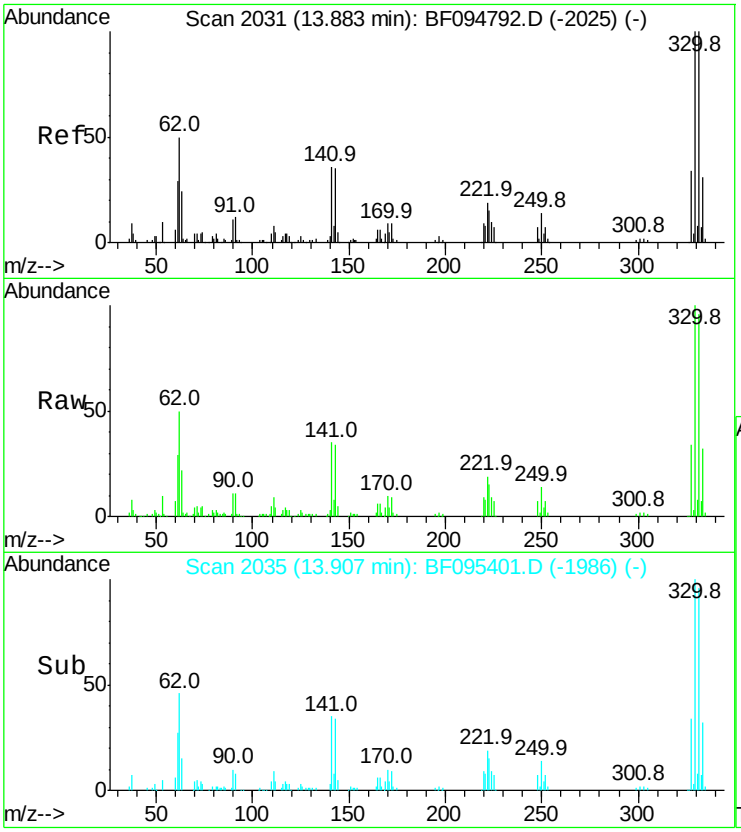


#40
Hexachlorocyclopentadiene
Concen: 9.14 ng
RT: 11.18 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:237 Resp: 5711

Ion	Ratio	Lower	Upper
237	100		
235	53.8	42.6	82.6
272	10.7	0.0	31.9



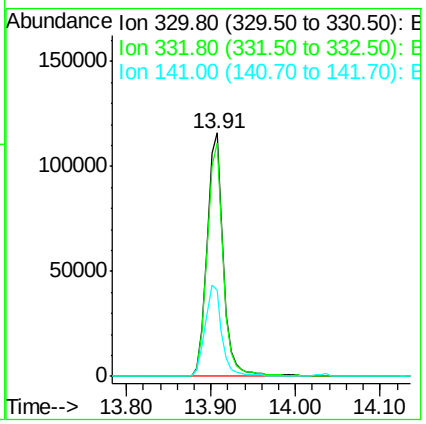


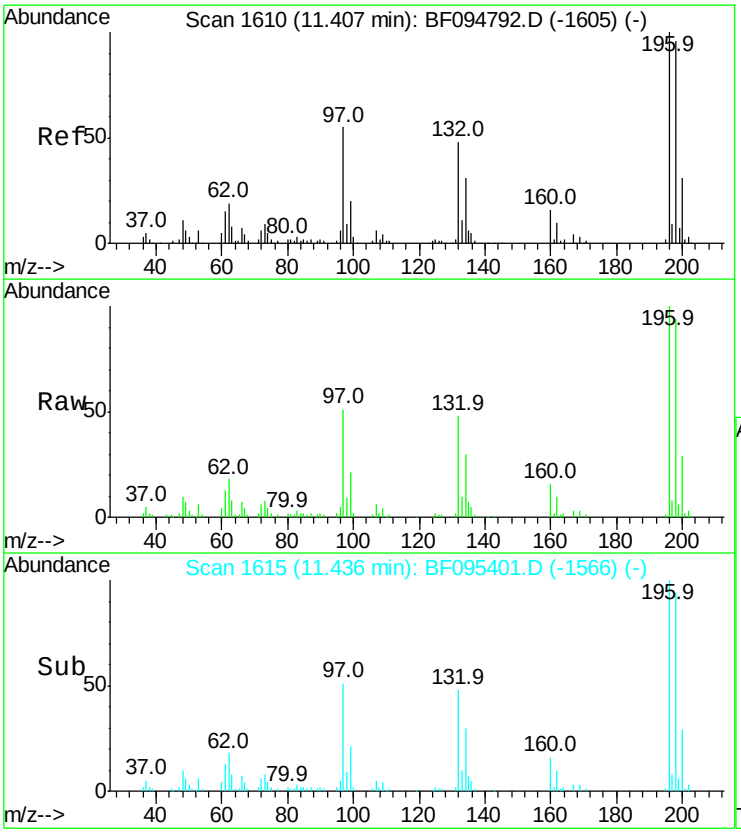
#41
2,4,6-Tribromophenol
Concen: 146.93 ng
RT: 13.91 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:330 Resp: 159156

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	38.5	31.4	47.2

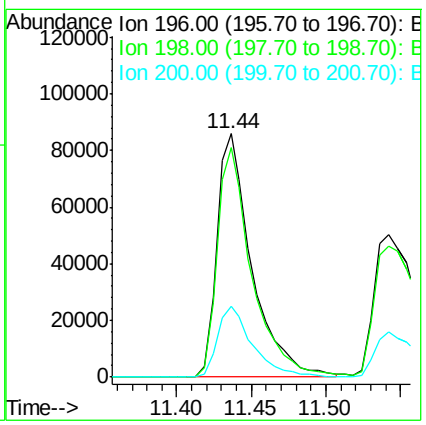


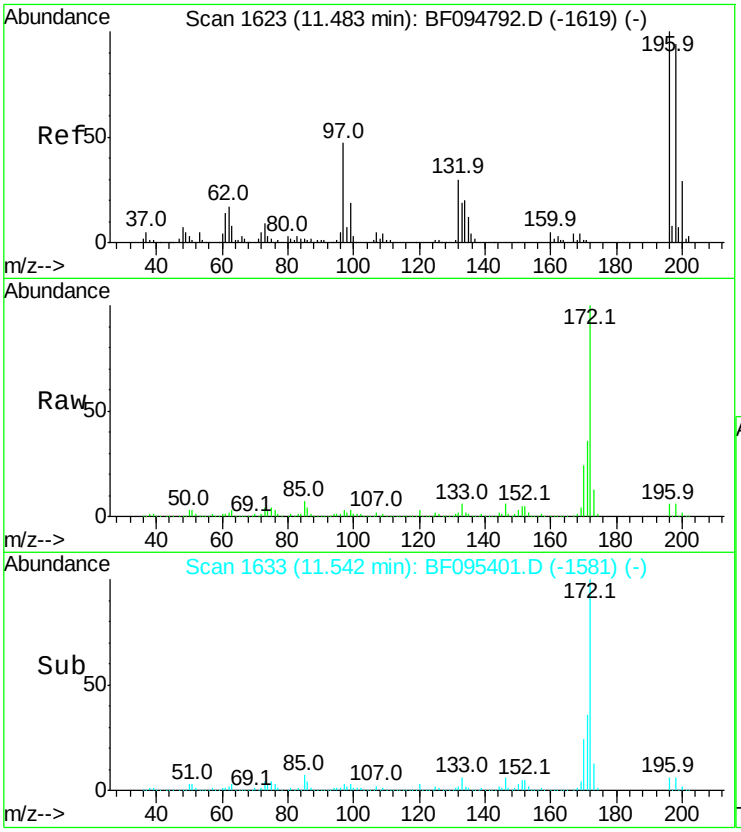


#42
2,4,6-Trichlorophenol
Concen: 51.60 ng
RT: 11.44 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:196 Resp: 140131

Ion	Ratio	Lower	Upper
196	100		
198	94.1	74.2	111.4
200	29.3	24.0	36.0



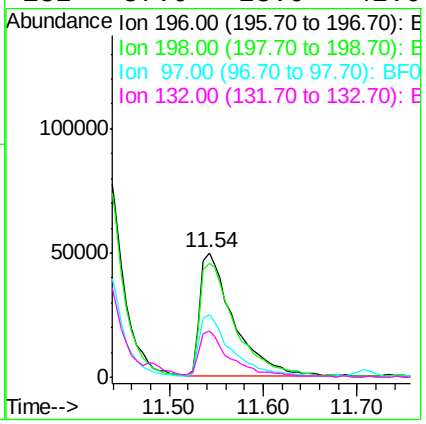


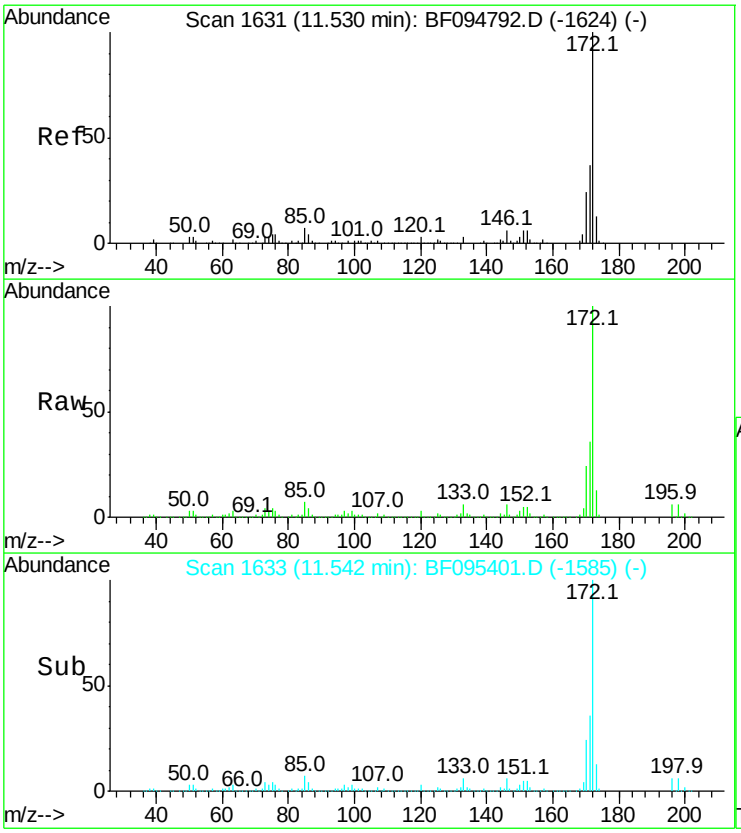
#43
2,4,5-Trichlorophenol
Concen: 42.71 ng
RT: 11.54 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:196 Resp: 124669

Ion	Ratio	Lower	Upper
196	100		
198	92.0	75.7	113.5
97	50.6	47.7	71.5
132	37.0	28.0	42.0

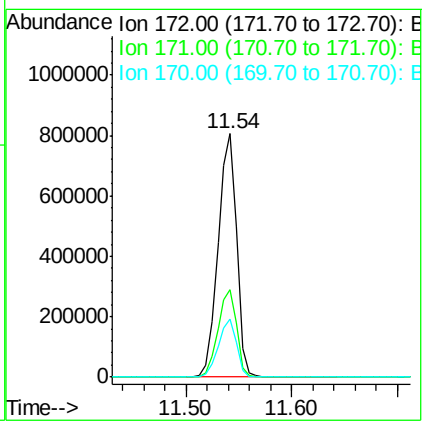


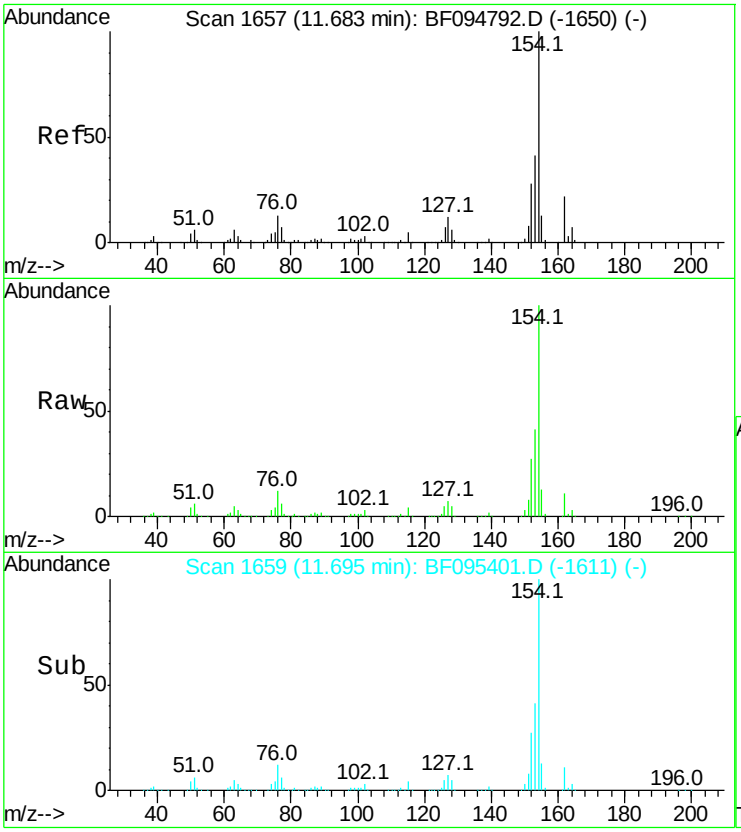


#44
2-Fluorobiphenyl
Concen: 107.79 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:172 Resp: 990532

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.8	19.8	29.8



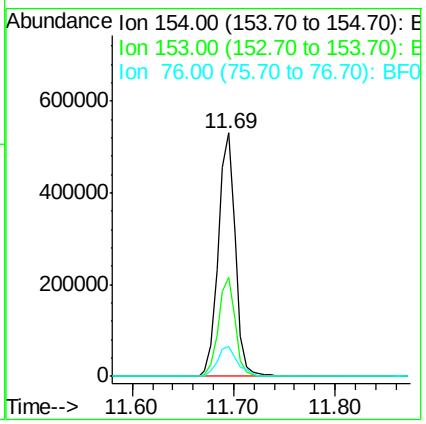


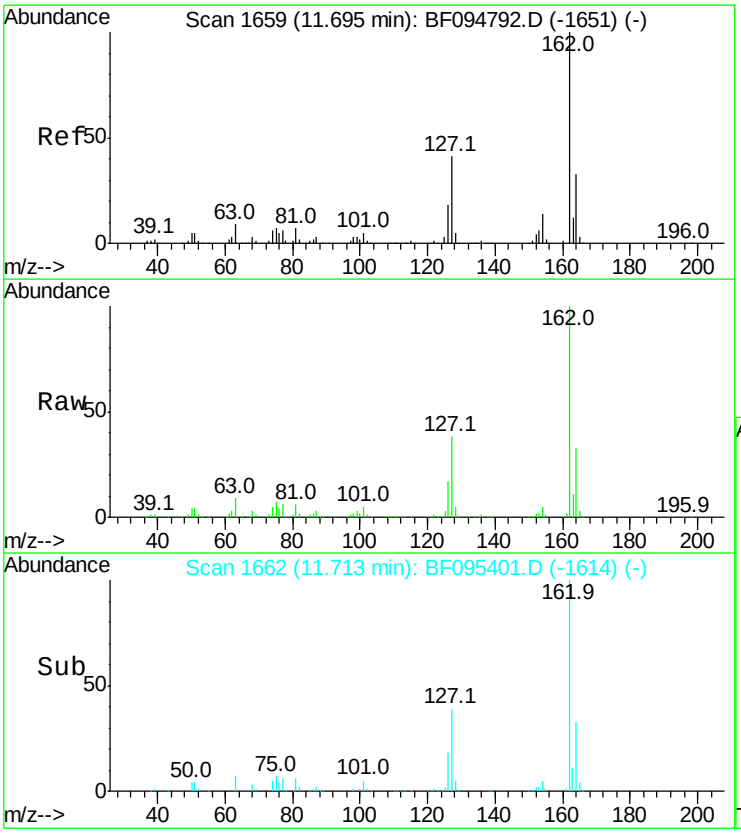
#45
1,1'-Biphenyl
Concen: 55.33 ng
RT: 11.69 min Scan# 1659
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:154 Resp: 616194

Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.2	61.2
76	12.4	0.0	29.9

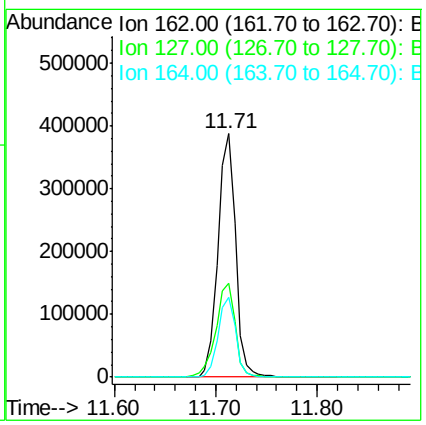


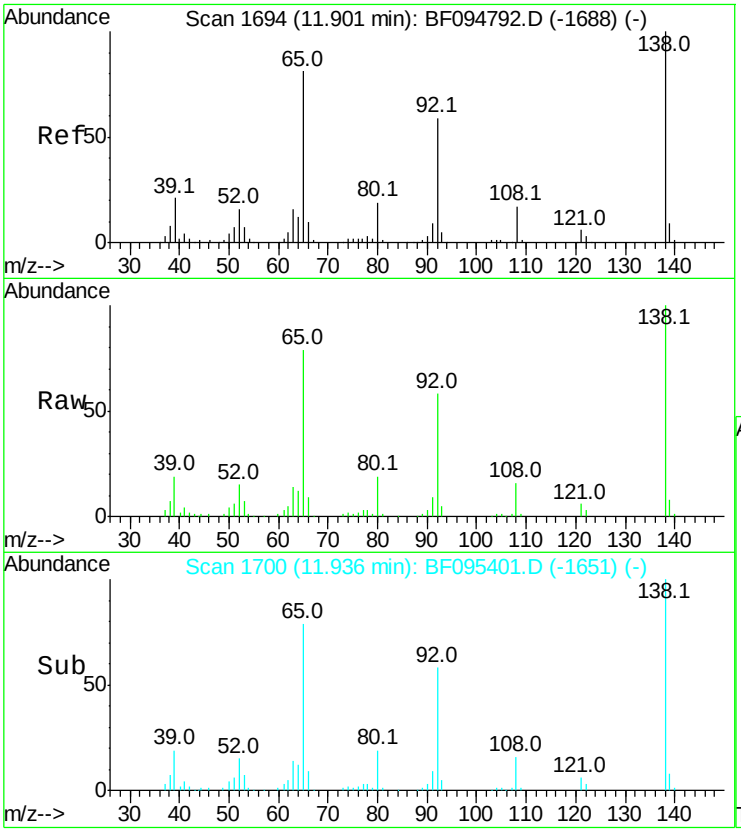


#46
2-Chloronaphthalene
Concen: 52.31 ng
RT: 11.71 min Scan# 1662
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:162 Resp: 470348

Ion	Ratio	Lower	Upper
162	100		
127	38.3	28.3	42.5
164	32.7	27.0	40.4



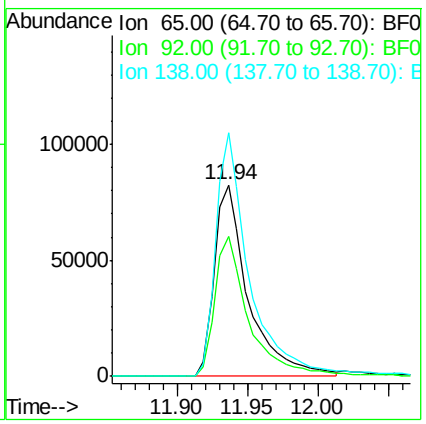


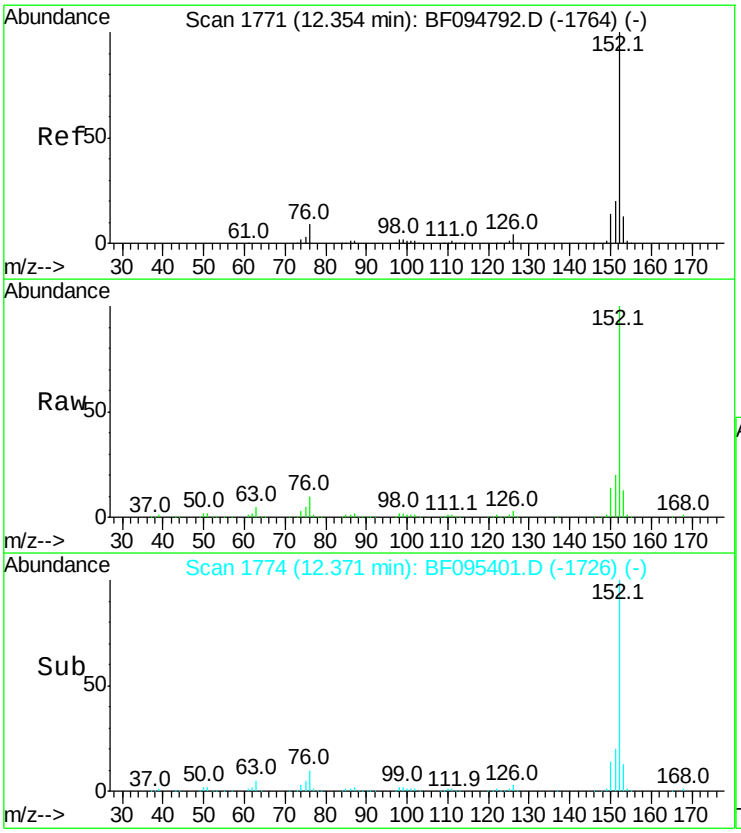
#47
2-Nitroaniline
Concen: 56.18 ng
RT: 11.94 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 65 Resp: 138270

Ion	Ratio	Lower	Upper
65	100		
92	73.2	53.9	80.9
138	127.2	78.8	118.2#

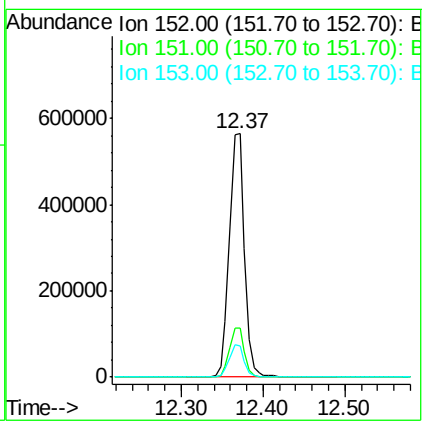


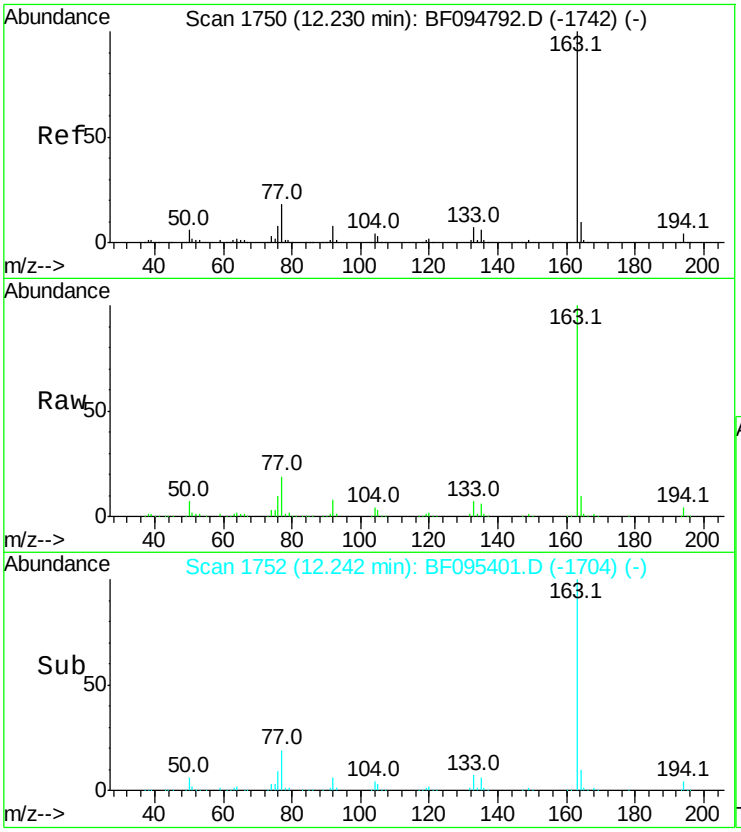


#48
Acenaphthylene
Concen: 51.99 ng
RT: 12.37 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:152 Resp: 732205

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	12.7	10.8	16.2



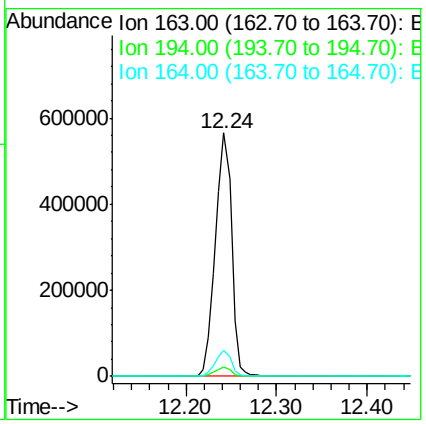


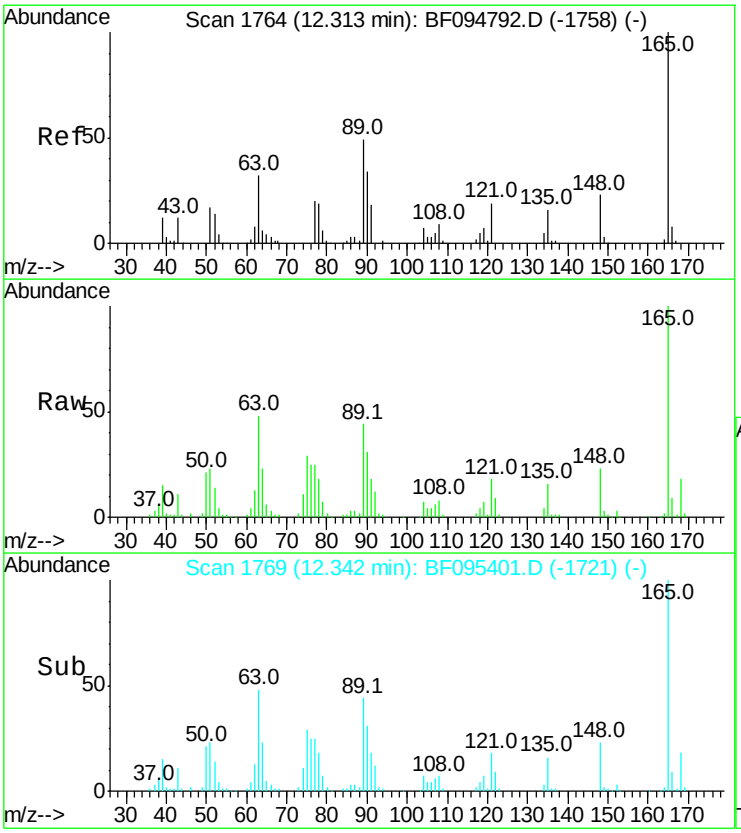
#49
Dimethylphthalate
Concen: 64.26 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:163 Resp: 697799

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.5	8.4	12.6

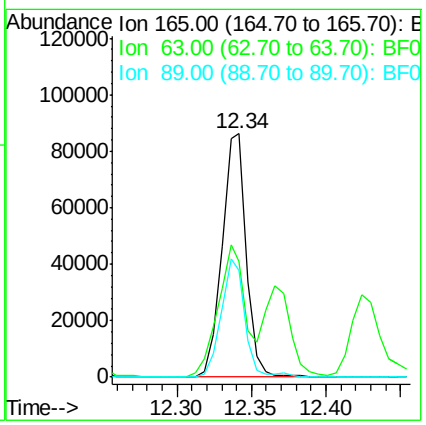


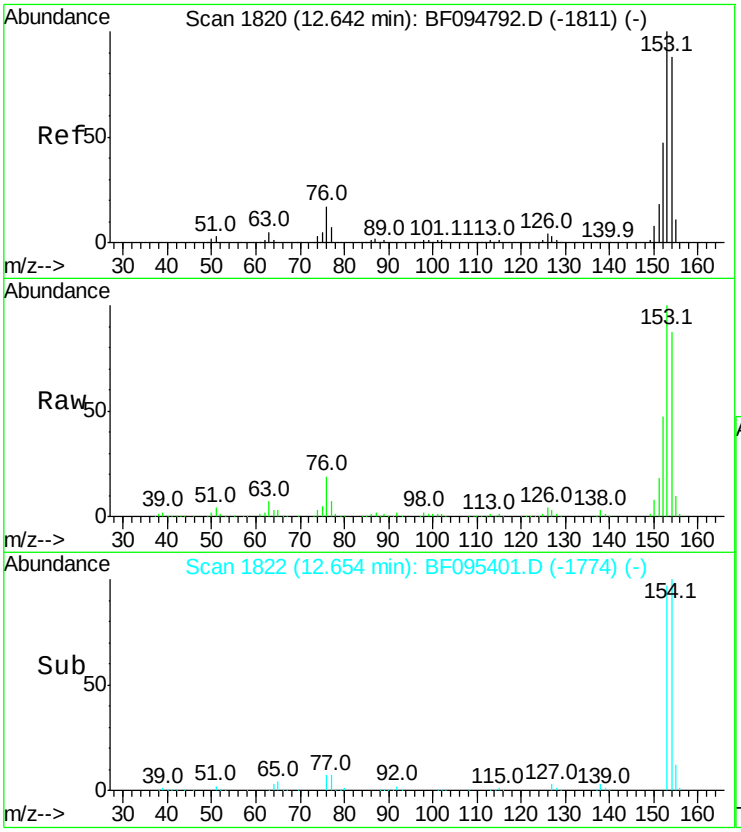


#50
2,6-Dinitrotoluene
Concen: 44.55 ng
RT: 12.34 min Scan# 1769
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:165 Resp: 98692

Ion	Ratio	Lower	Upper
165	100		
63	47.7	34.3	51.5
89	43.9	37.1	55.7



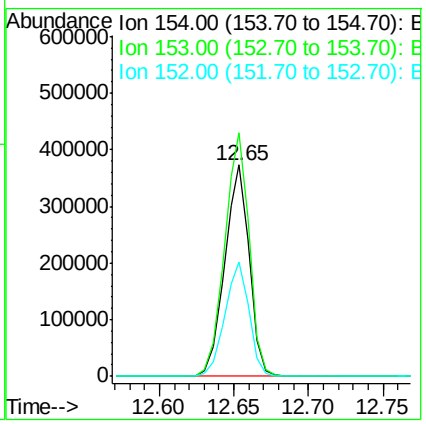


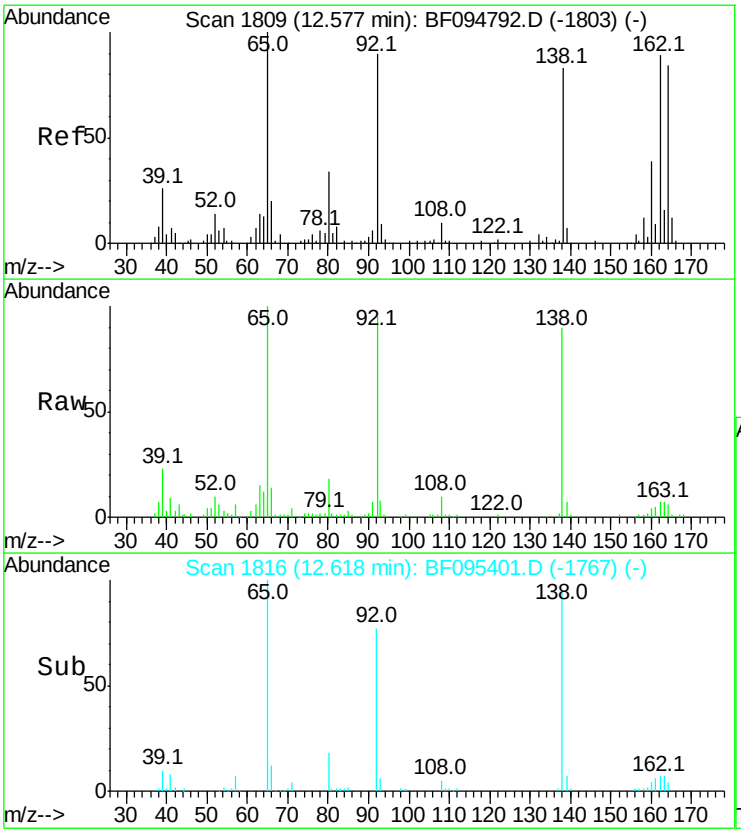
#51
Acenaphthene
Concen: 51.44 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:154 Resp: 432761

Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.5	135.7
152	54.0	43.6	65.4

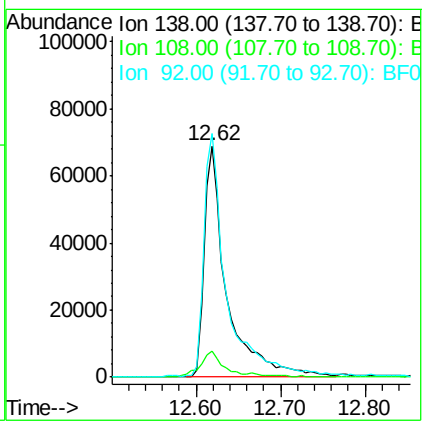


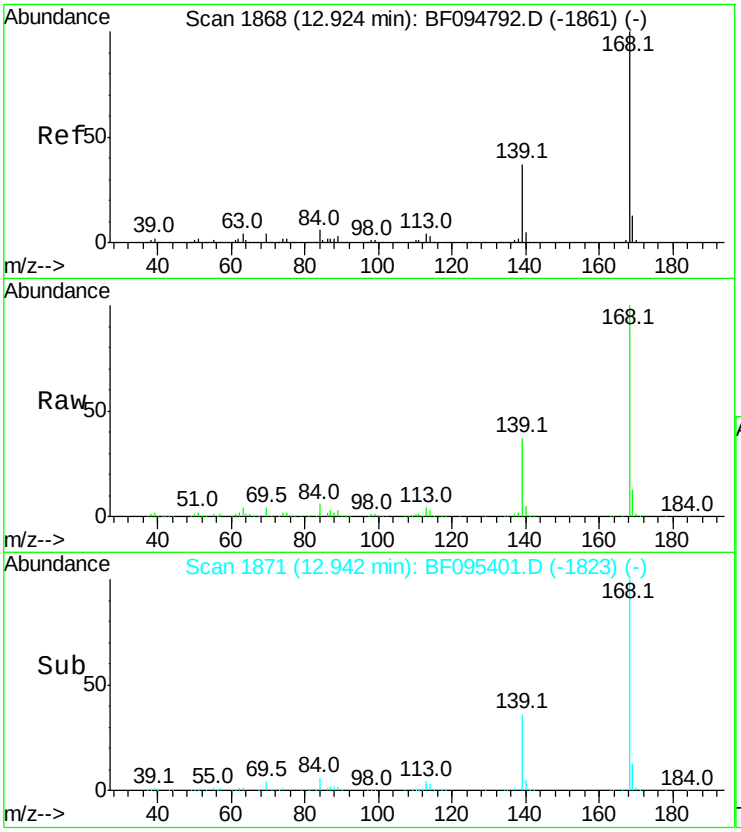


#52
3-Nitroaniline
Concen: 54.18 ng
RT: 12.62 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:138 Resp: 128829

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.1	13.7
92	105.4	93.8	140.6



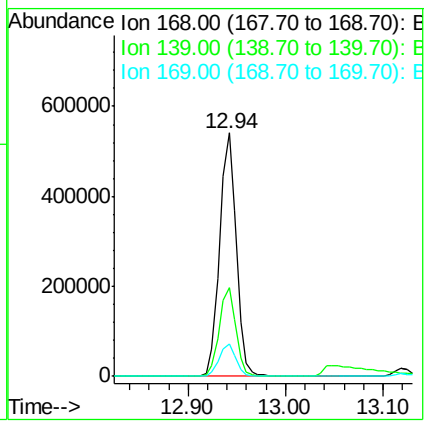


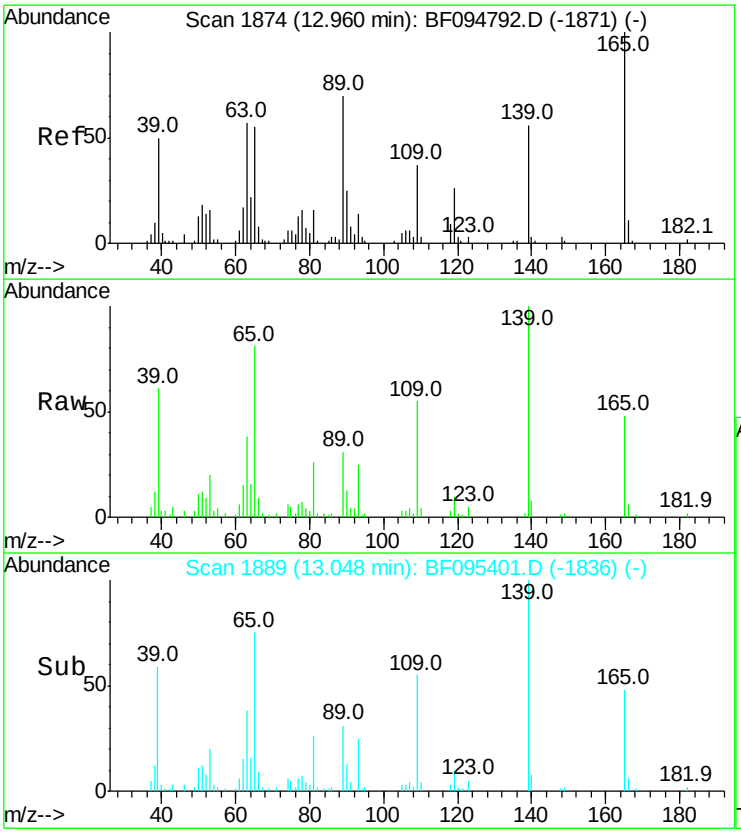
#54
Dibenzofuran
Concen: 55.27 ng
RT: 12.94 min Scan# 1871
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:168 Resp: 643410

Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.6	45.8
169	13.3	10.8	16.2

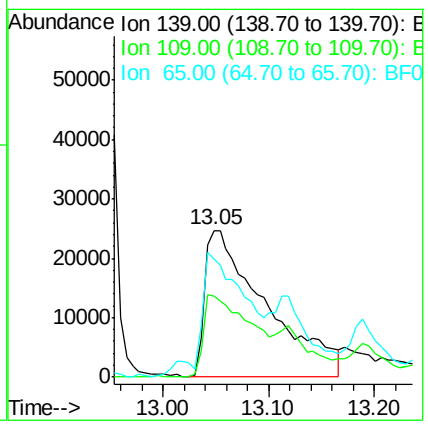


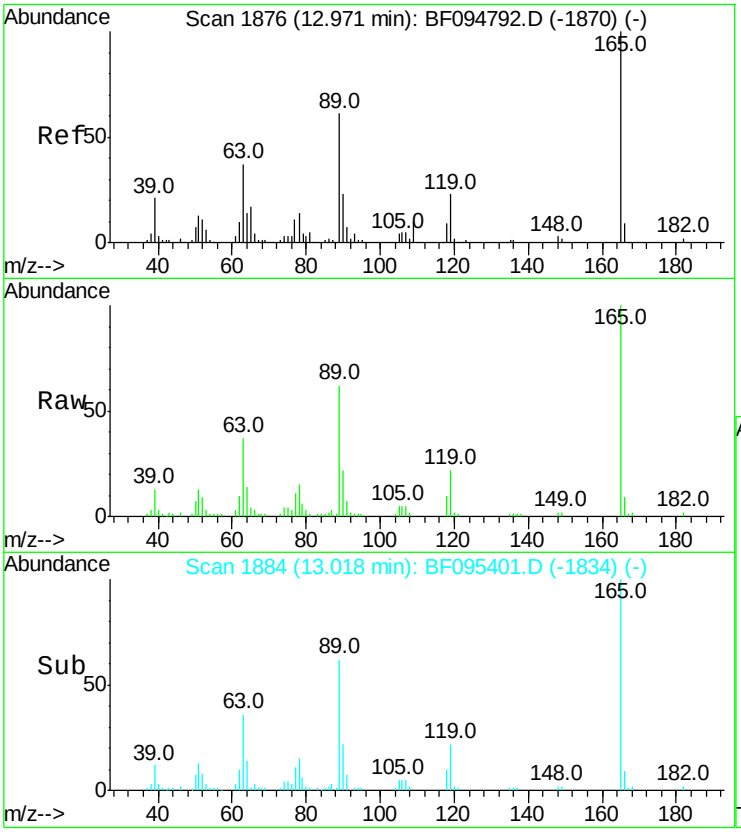


#55
4-Nitrophenol
Concen: 69.43 ng
RT: 13.05 min Scan# 1889
Delta R.T. 0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:139 Resp: 99155

Ion	Ratio	Lower	Upper
139	100		
109	55.4	34.1	74.1
65	80.7	31.4	71.4#



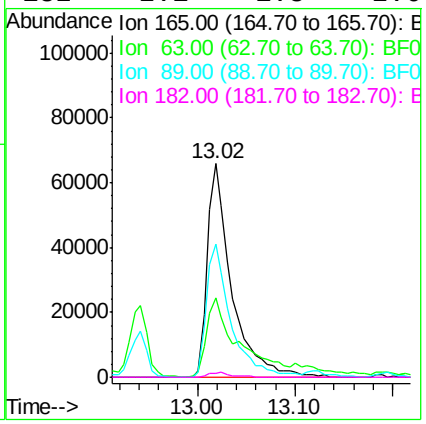


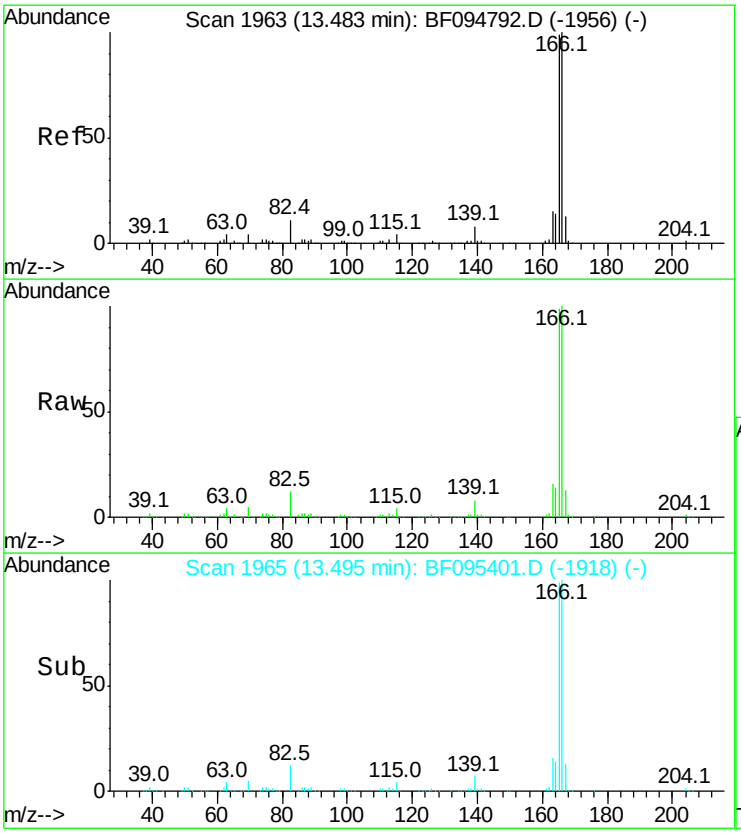
#56
2,4-Dinitrotoluene
Concen: 39.77 ng
RT: 13.02 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:165 Resp: 113210

Ion	Ratio	Lower	Upper
165	100		
63	37.0	25.4	38.0
89	62.4	46.4	69.6
182	2.1	1.8	2.6

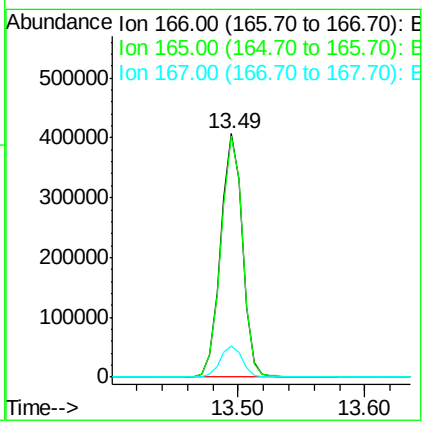


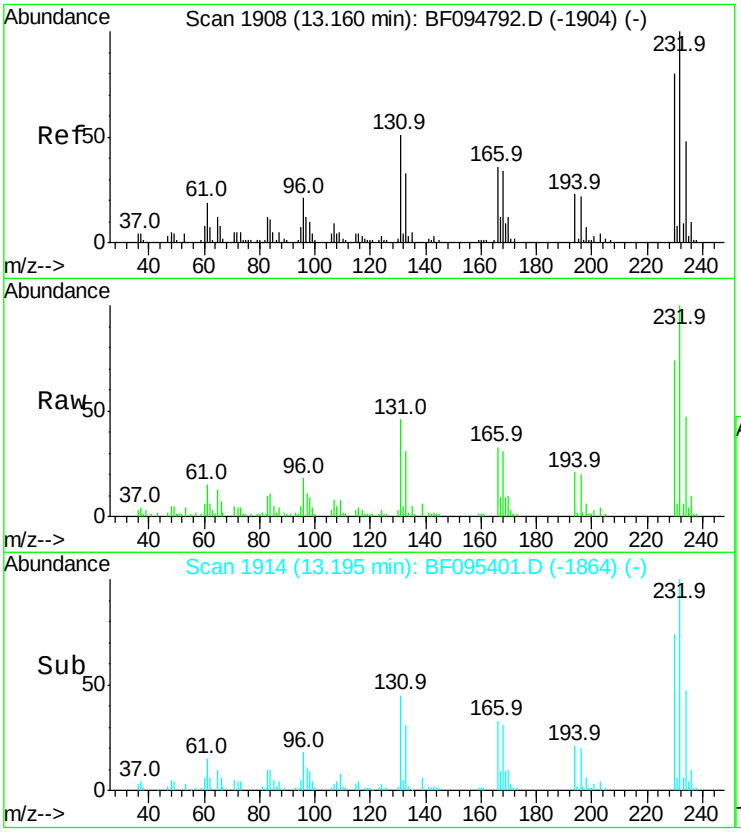


#57
Fluorene
Concen: 47.79 ng
RT: 13.49 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:166 Resp: 483773

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.0	10.6	16.0



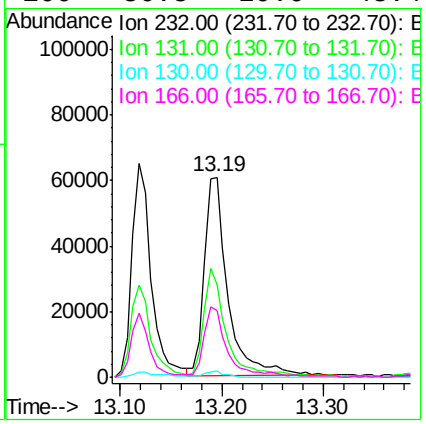


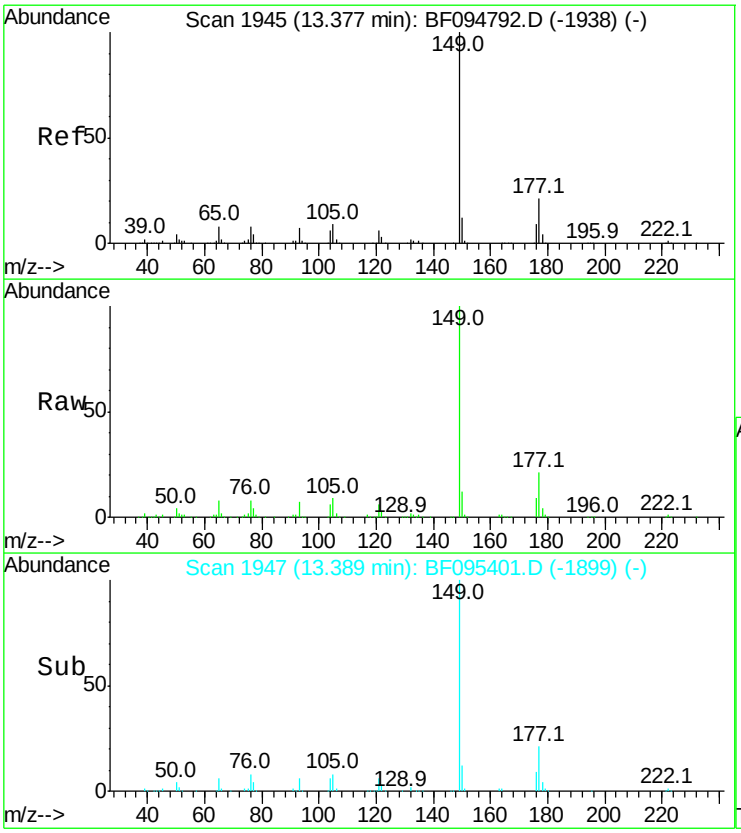
#58
2,3,4,6-Tetrachlorophenol
Concen: 53.38 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:232 Resp: 98053

Ion	Ratio	Lower	Upper
232	100		
131	50.9	44.8	67.2
130	2.5	2.3	3.5
166	36.3	29.0	43.4

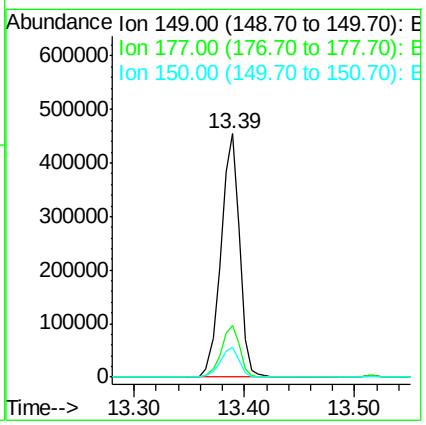


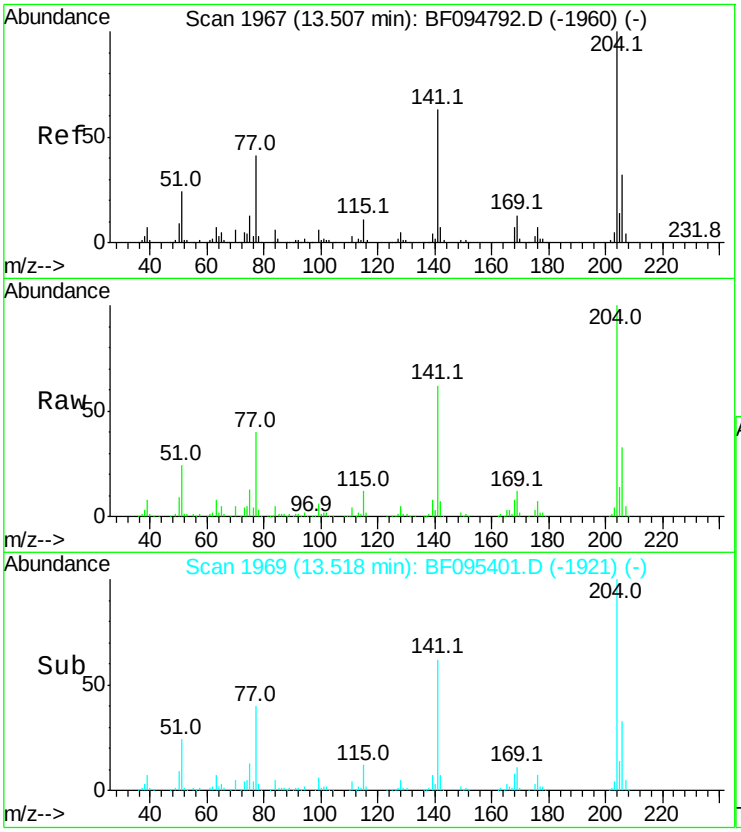


#59
Diethylphthalate
Concen: 51.08 ng
RT: 13.39 min Scan# 1947
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:149 Resp: 531648

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.2	10.2	15.2



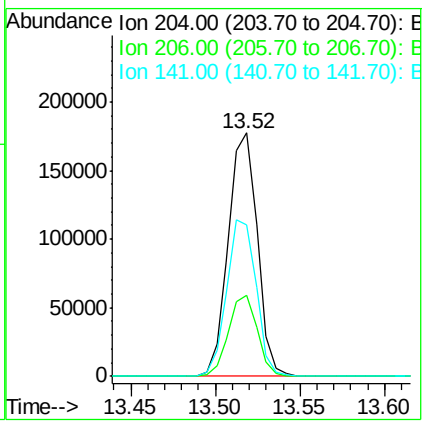


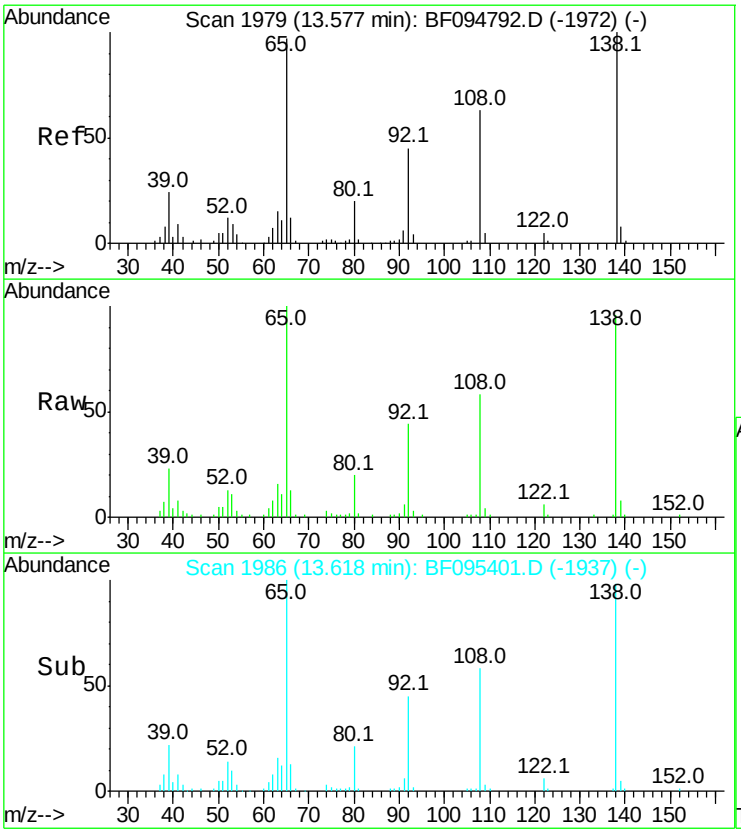
#60
4-Chlorophenyl-phenylether
Concen: 47.81 ng
RT: 13.52 min Scan# 1969
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:204 Resp: 212679

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.2	39.2
141	62.2	60.8	91.2

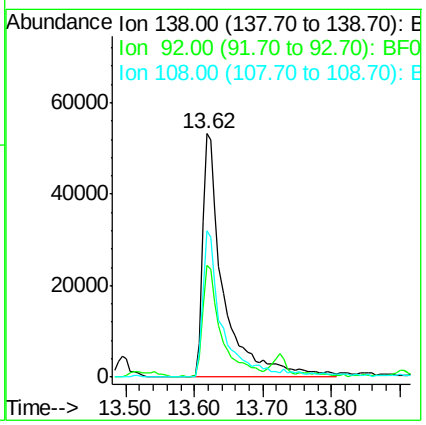


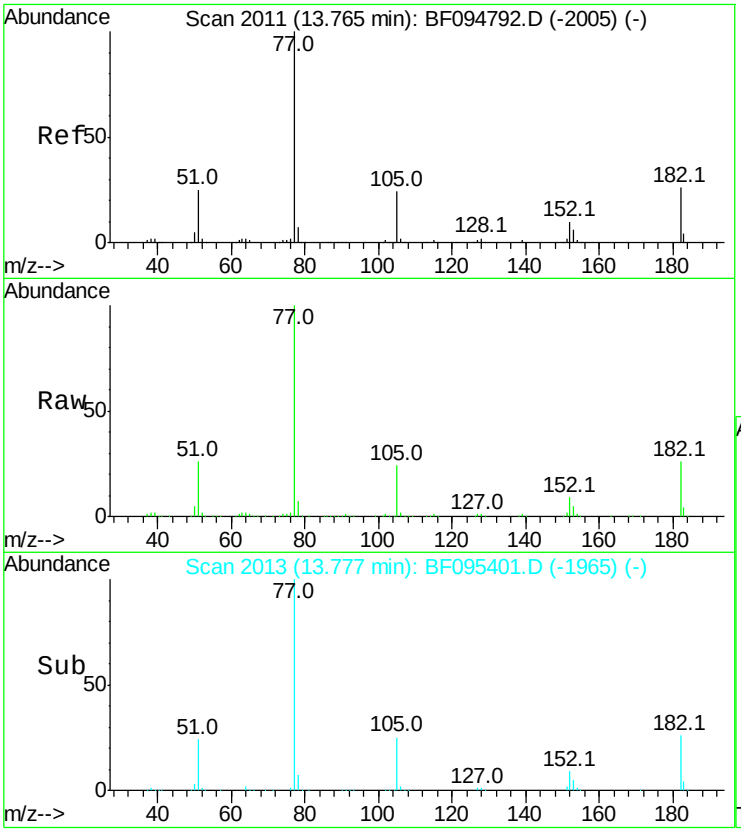


#61
4-Nitroaniline
Concen: 52.53 ng
RT: 13.62 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:138 Resp: 114663

Ion	Ratio	Lower	Upper
138	100		
92	45.7	21.8	61.8
108	60.3	42.3	82.3



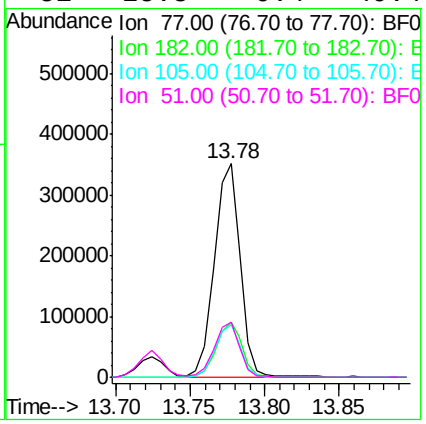


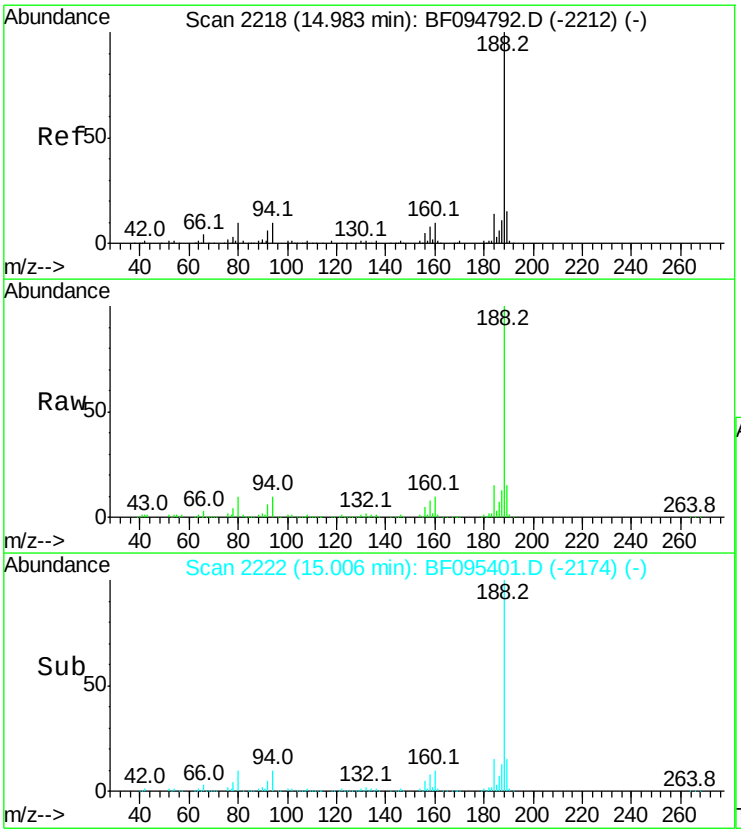
#62
Azobenzene
Concen: 50.69 ng
RT: 13.78 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion: 77 Resp: 423920

Ion	Ratio	Lower	Upper
77	100		
182	25.8	0.1	40.1
105	24.4	3.6	43.6
51	25.8	9.4	49.4

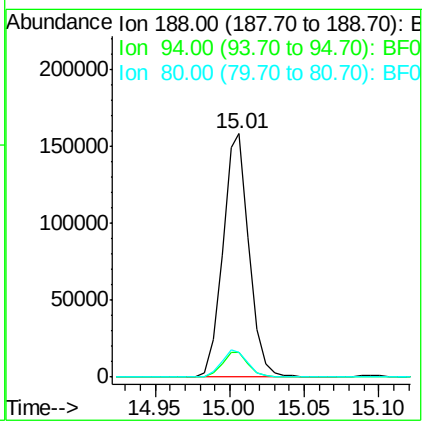


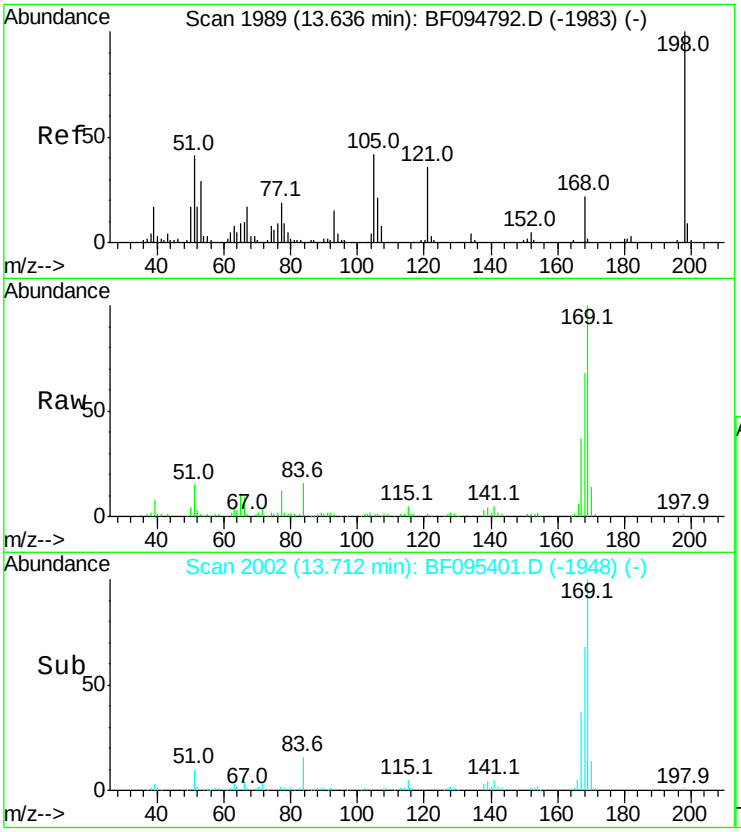


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:188 Resp: 194630

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.3	10.2	15.2



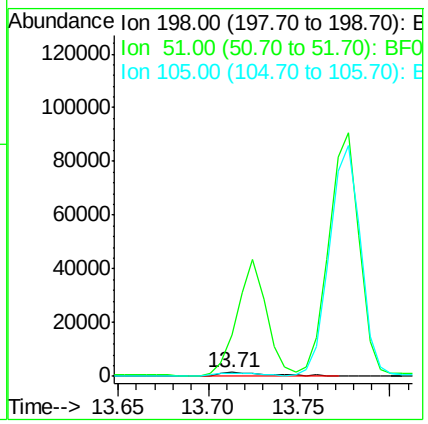


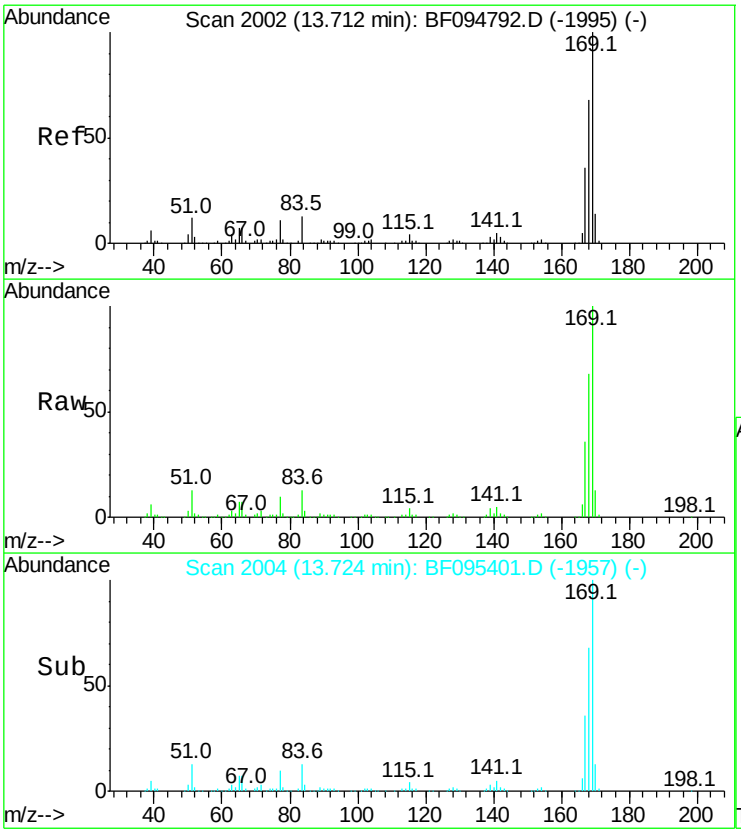
#64
4,6-Dinitro-2-methylphenol
Concen: 2.22 ng
RT: 13.71 min Scan# 2002
Delta R.T. 0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:198 Resp: 2902

Ion	Ratio	Lower	Upper
198	100		
51	1045.7	53.2	93.2#
105	69.5	45.8	85.8

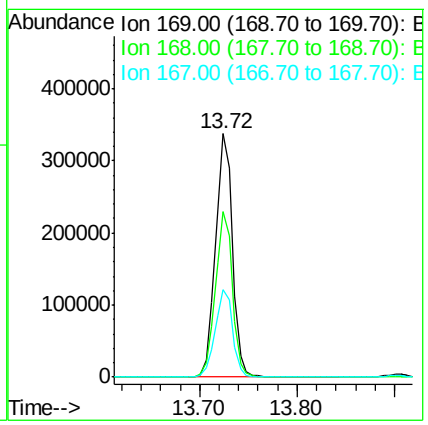


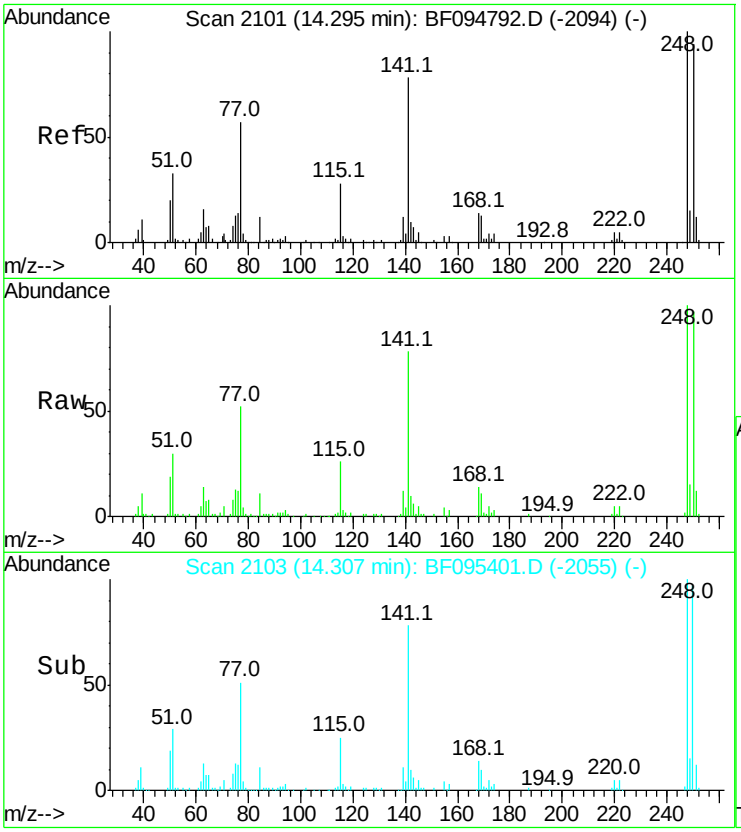


#65
n-Nitrosodiphenylamine
Concen: 57.74 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:169 Resp: 407893

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.2	79.8
167	36.1	29.5	44.3



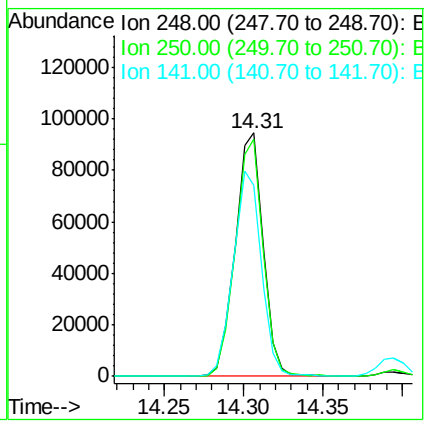


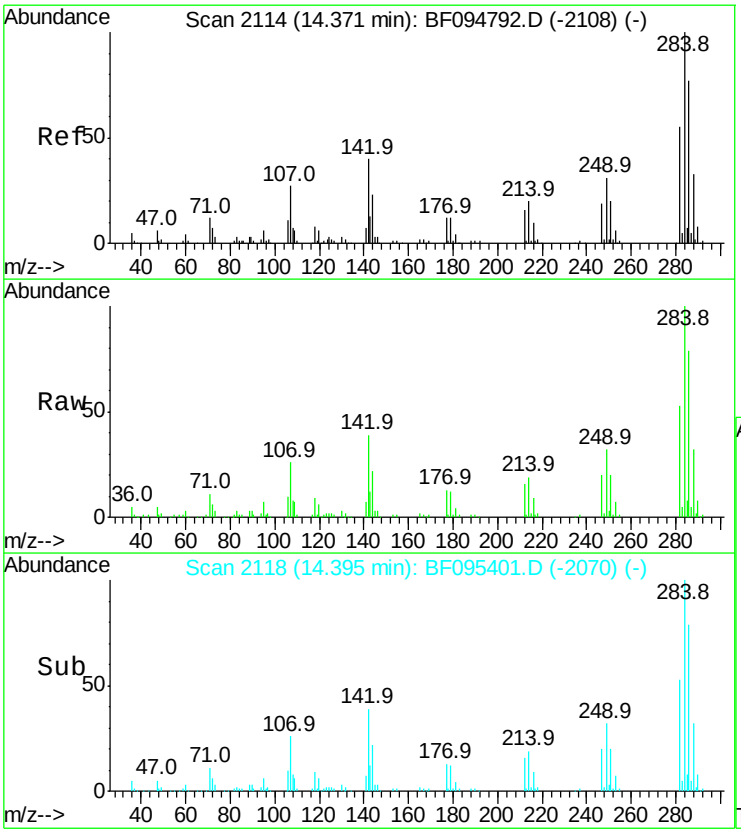
#66
4-Bromophenyl-phenylether
Concen: 56.05 ng
RT: 14.31 min Scan# 2103
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:248 Resp: 115248

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.8	115.2
141	78.4	68.6	103.0

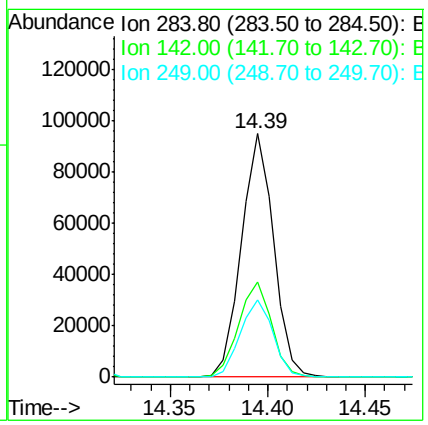


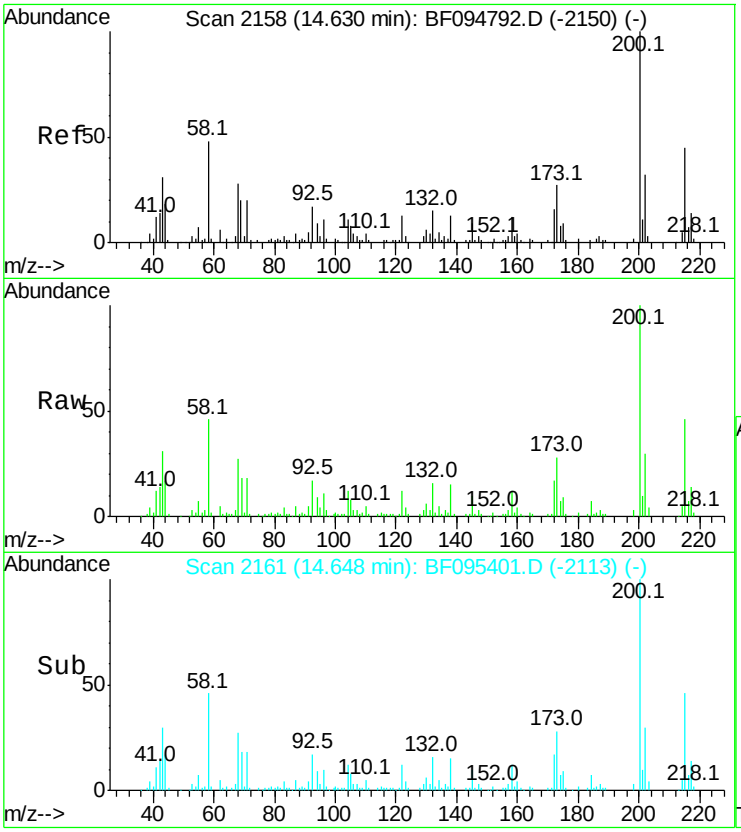


#67
Hexachlorobenzene
Concen: 51.45 ng
RT: 14.39 min Scan# 2118
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:284 Resp: 108426

Ion	Ratio	Lower	Upper
284	100		
142	39.1	22.8	34.2#
249	31.6	24.0	36.0



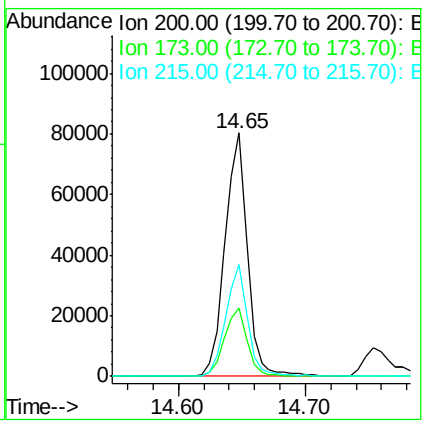


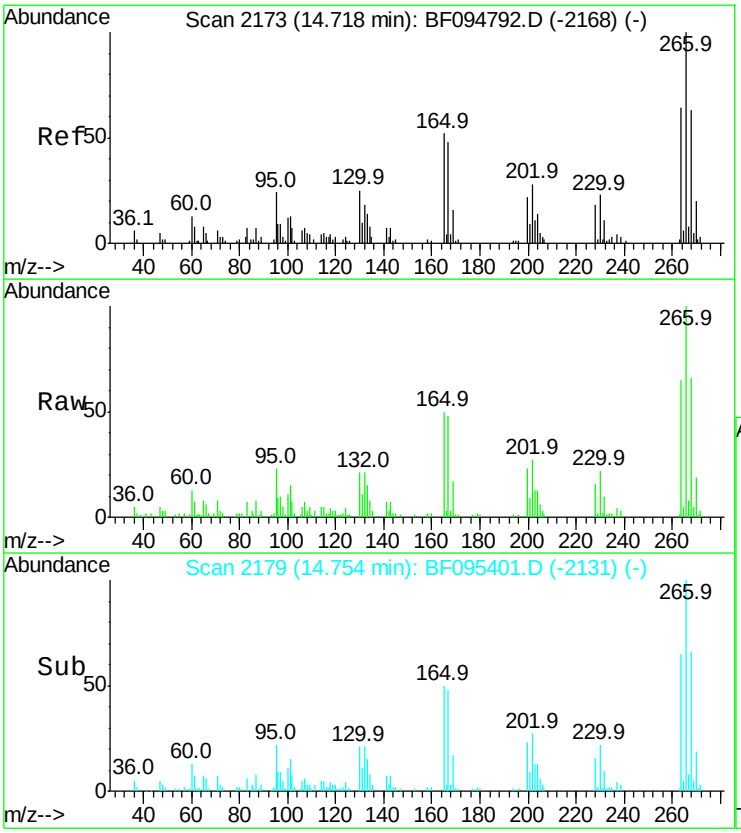
#68
Atrazine
Concen: 49.19 ng
RT: 14.65 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:200 Resp: 98115

Ion	Ratio	Lower	Upper
200	100		
173	28.2	6.3	46.3
215	46.2	27.2	67.2

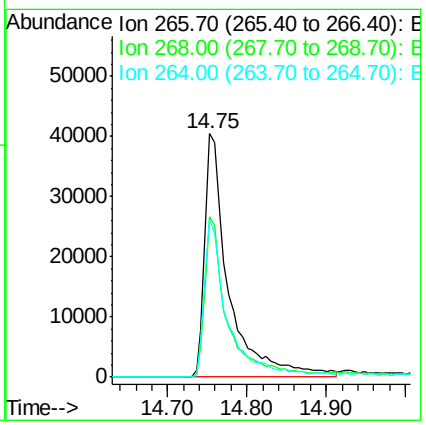


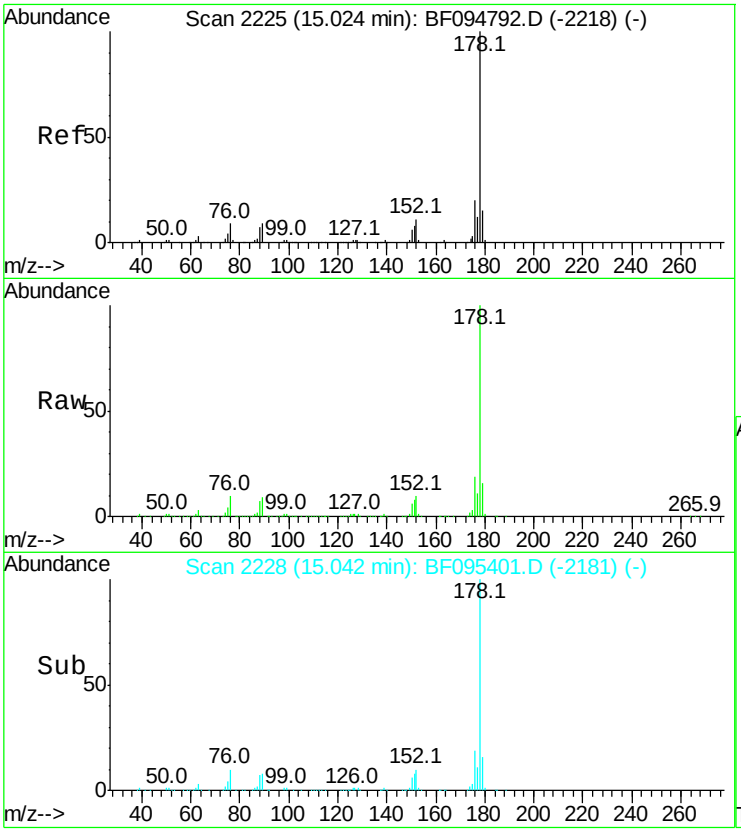


#69
Pentachlorophenol
Concen: 89.12 ng
RT: 14.75 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:266 Resp: 85600

Ion	Ratio	Lower	Upper
266	100		
268	65.8	51.1	76.7
264	64.7	51.7	77.5



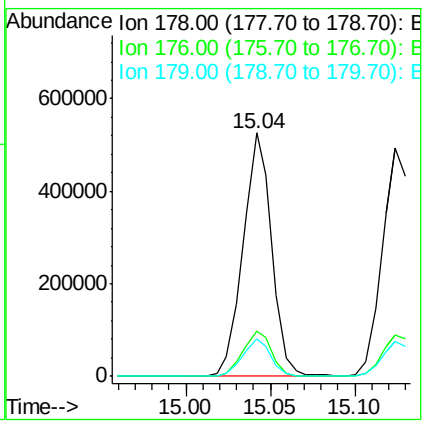


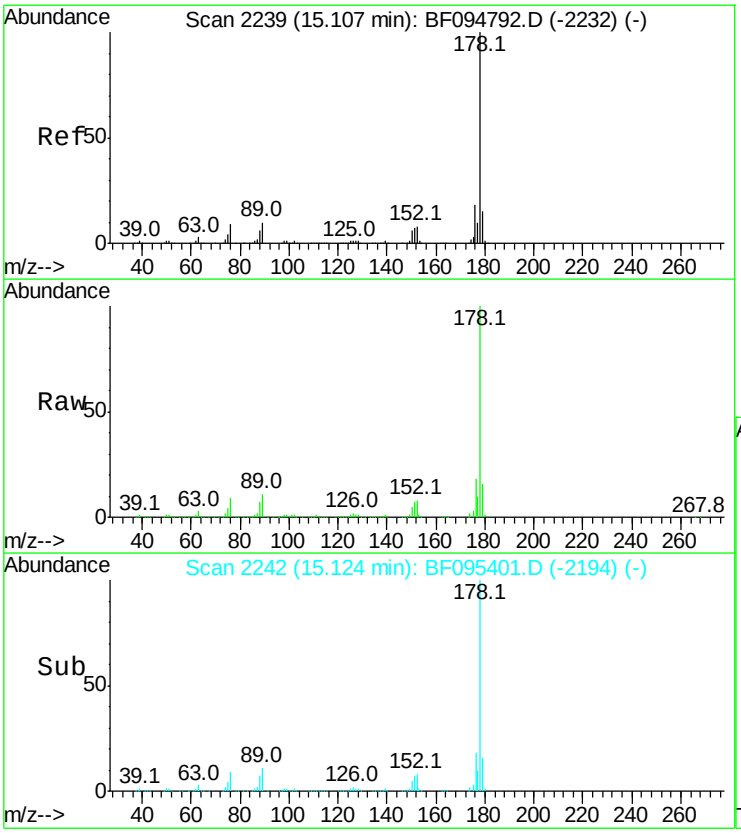
#70
Phenanthrene
Concen: 55.54 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:178 Resp: 621105

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.6	12.6	19.0

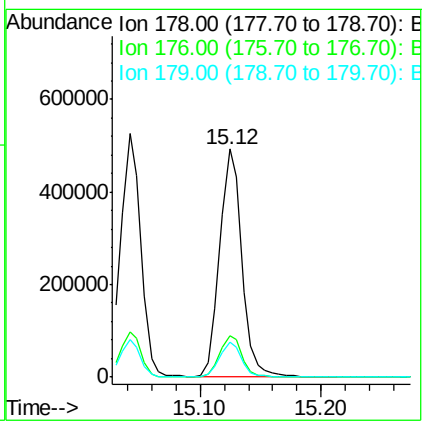


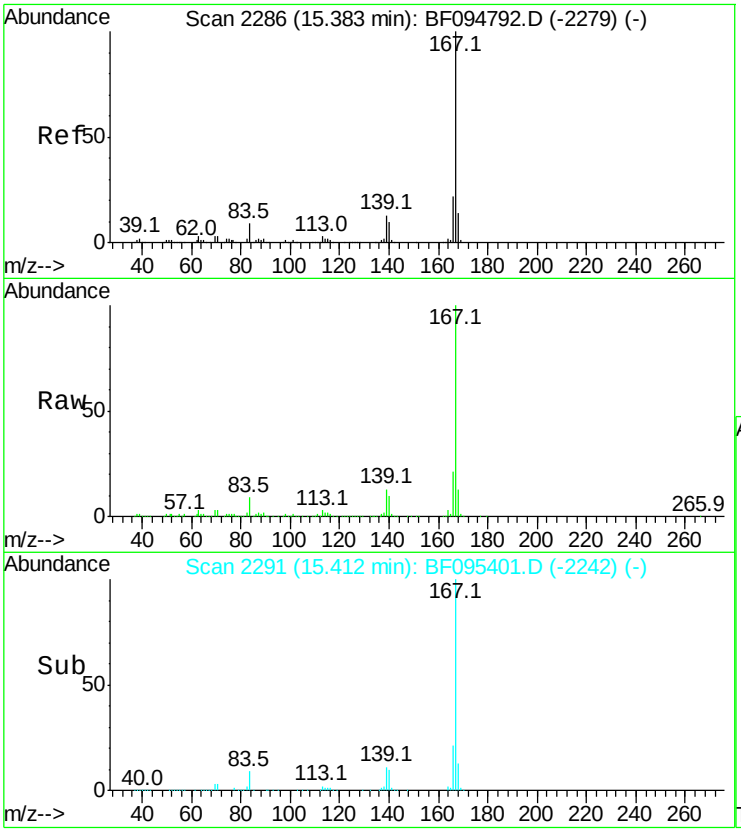


#71
Anthracene
Concen: 54.68 ng
RT: 15.12 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:178 Resp: 624621

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.6	12.7	19.1



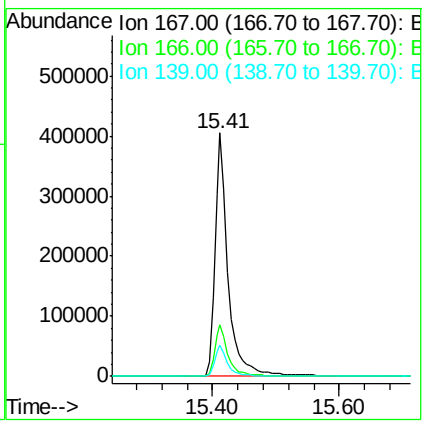


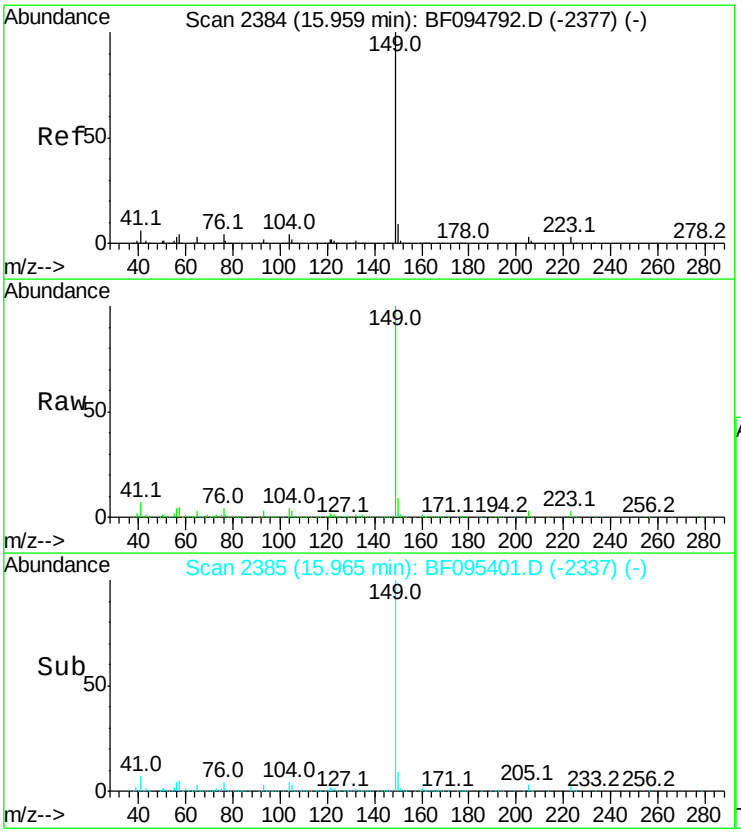
#72
Carbazole
Concen: 57.68 ng
RT: 15.41 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:167 Resp: 599479

Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	12.8	11.7	17.5

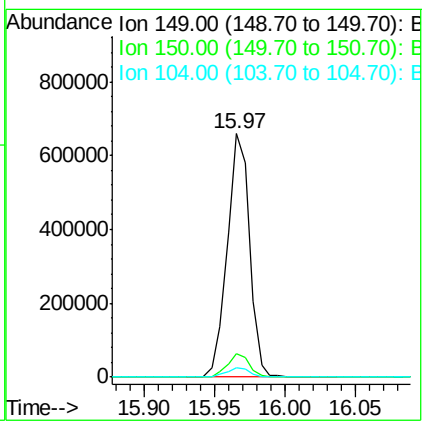


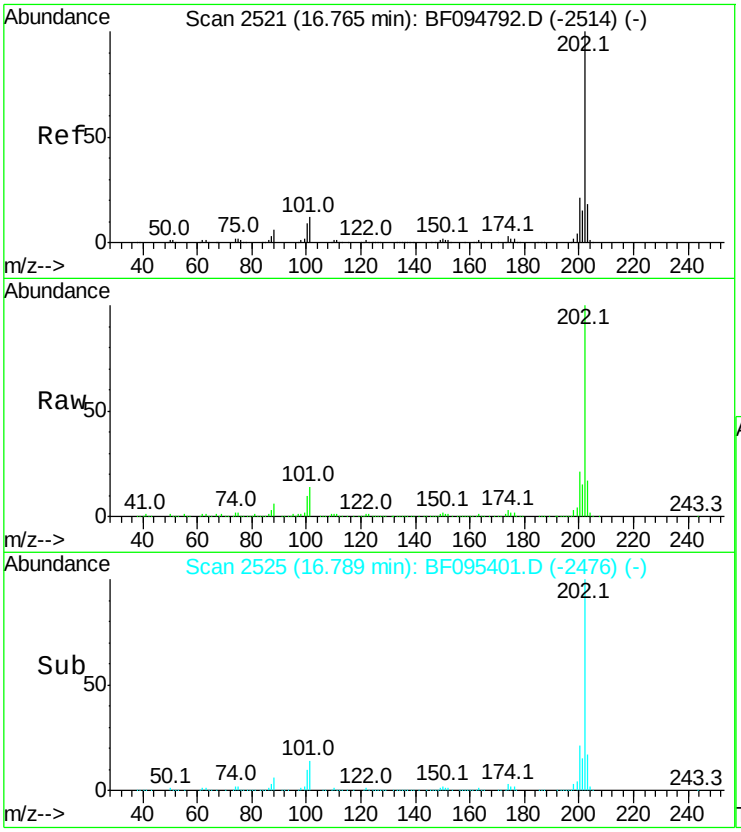


#73
Di-n-butylphthalate
Concen: 55.74 ng
RT: 15.97 min Scan# 2385
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:149 Resp: 722472

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	4.0	4.0	6.0



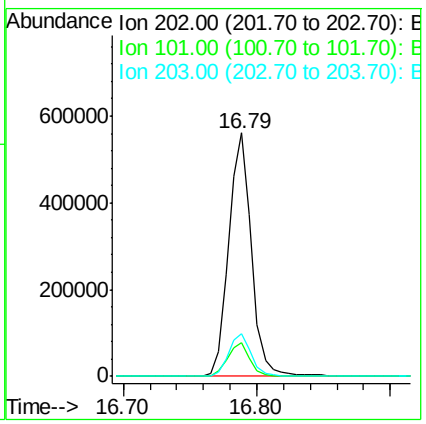


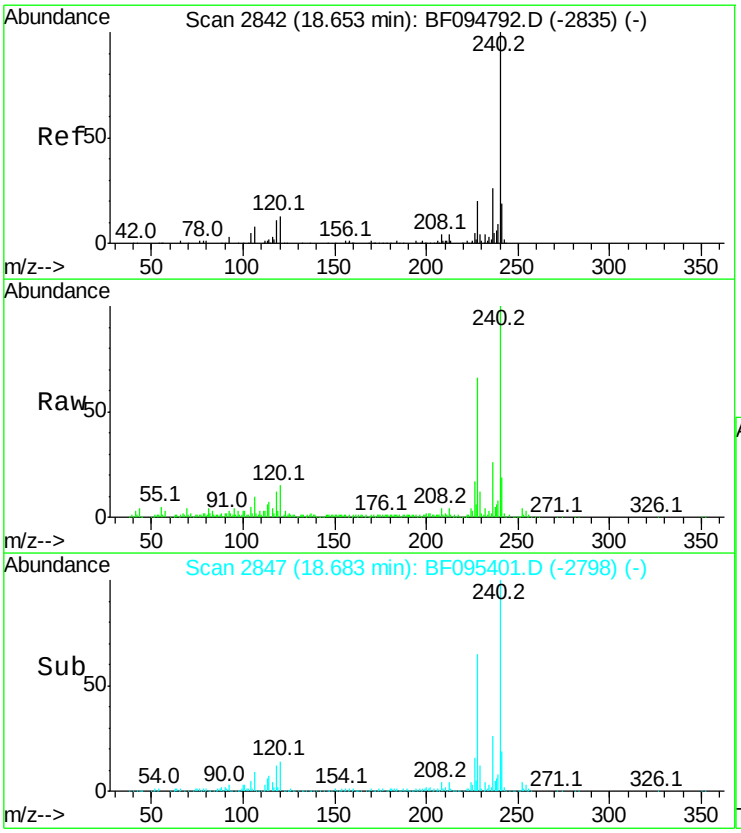
#74
Fluoranthene
Concen: 58.46 ng
RT: 16.79 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:202 Resp: 670578

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.4	0.0	38.1

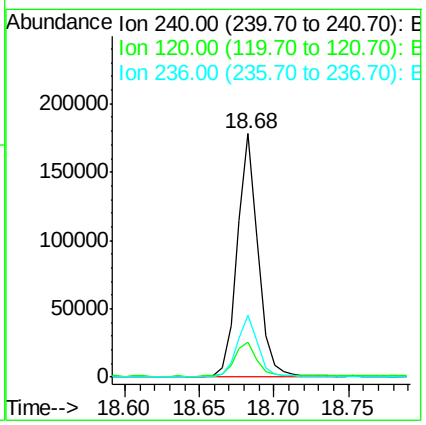


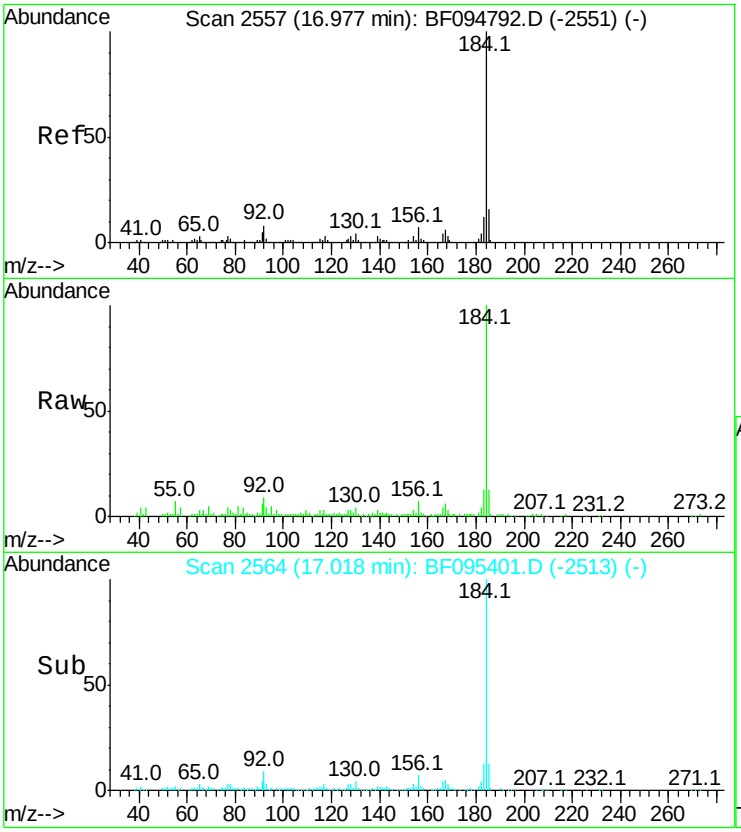


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:240 Resp: 173308

Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.6	20.5	30.7



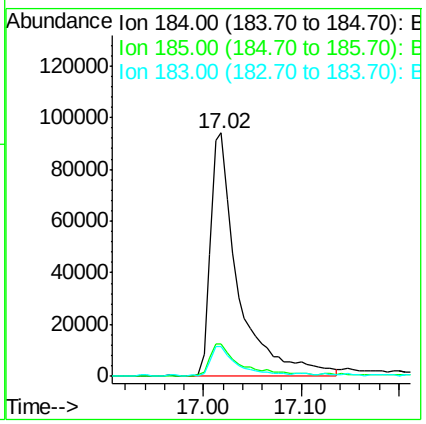


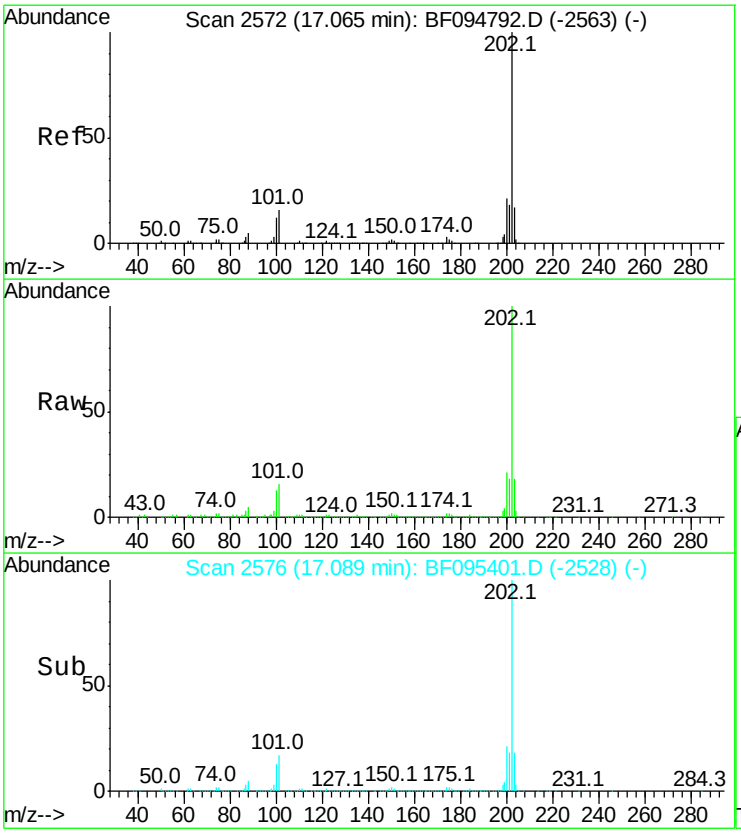
#76
Benzidine
Concen: 40.82 ng
RT: 17.02 min Scan# 2564
Delta R.T. -0.00 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:184 Resp: 185955

Ion	Ratio	Lower	Upper
184	100		
185	13.1	15.5	23.3#
183	12.5	9.8	14.6

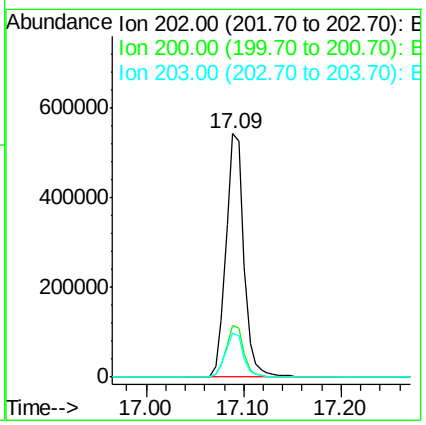


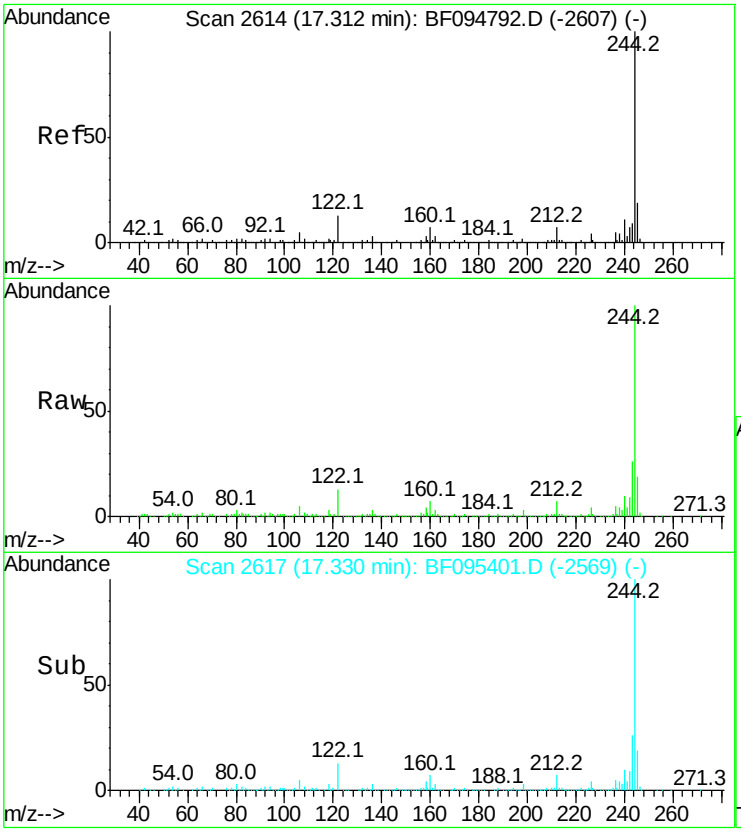


#77
Pyrene
Concen: 53.20 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:202 Resp: 689589

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.0	14.4	21.6



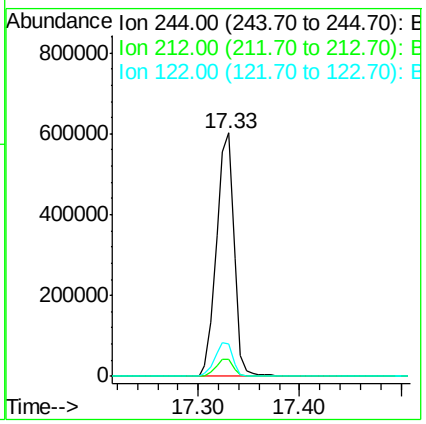


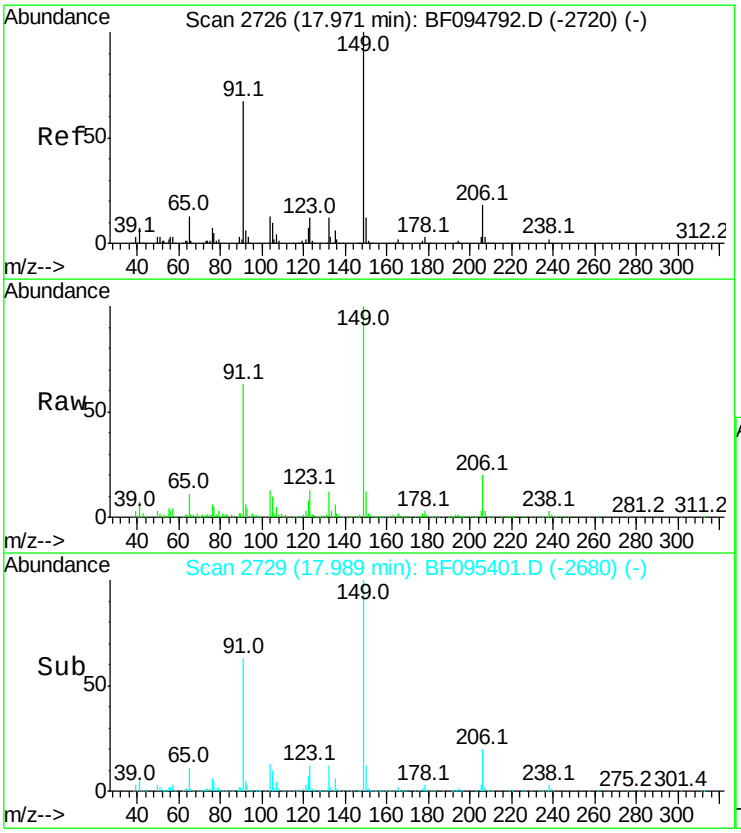
#78
Terphenyl-d14
Concen: 92.49 ng
RT: 17.33 min Scan# 2617
Delta R.T. -0.02 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:244 Resp: 727789

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.5	10.3	15.5

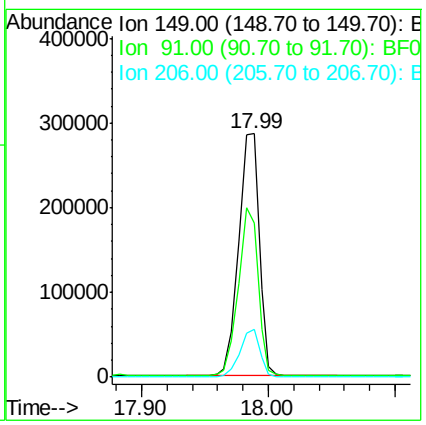


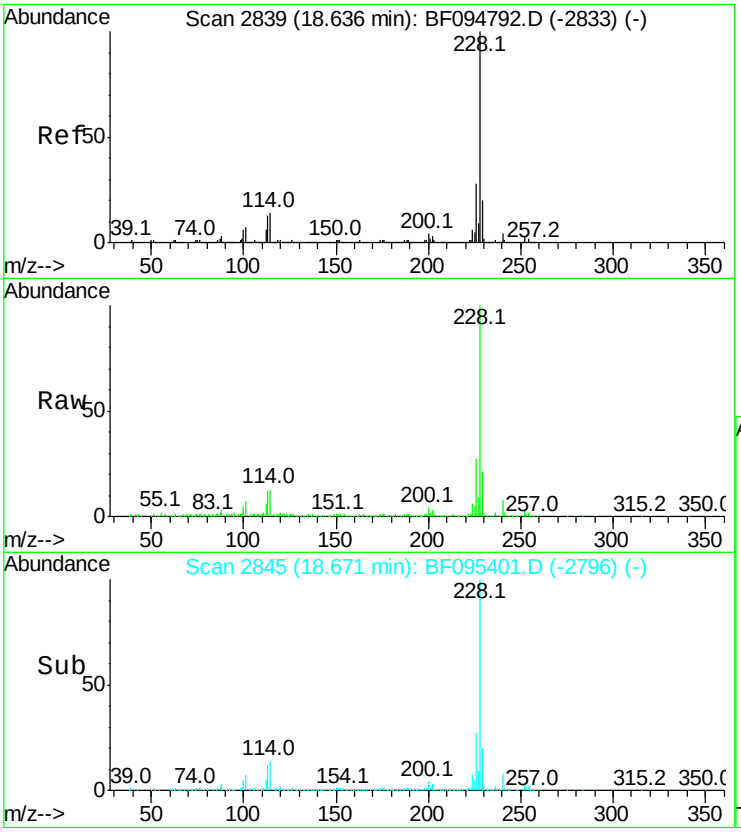


#79
Butylbenzylphthalate
Concen: 53.13 ng
RT: 17.99 min Scan# 2729
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:149 Resp: 320328

Ion	Ratio	Lower	Upper
149	100		
91	63.3	45.0	67.4
206	19.7	17.0	25.6



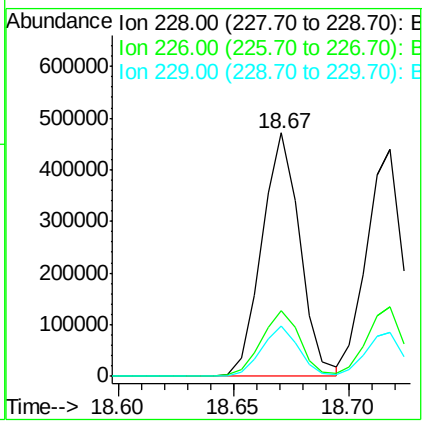


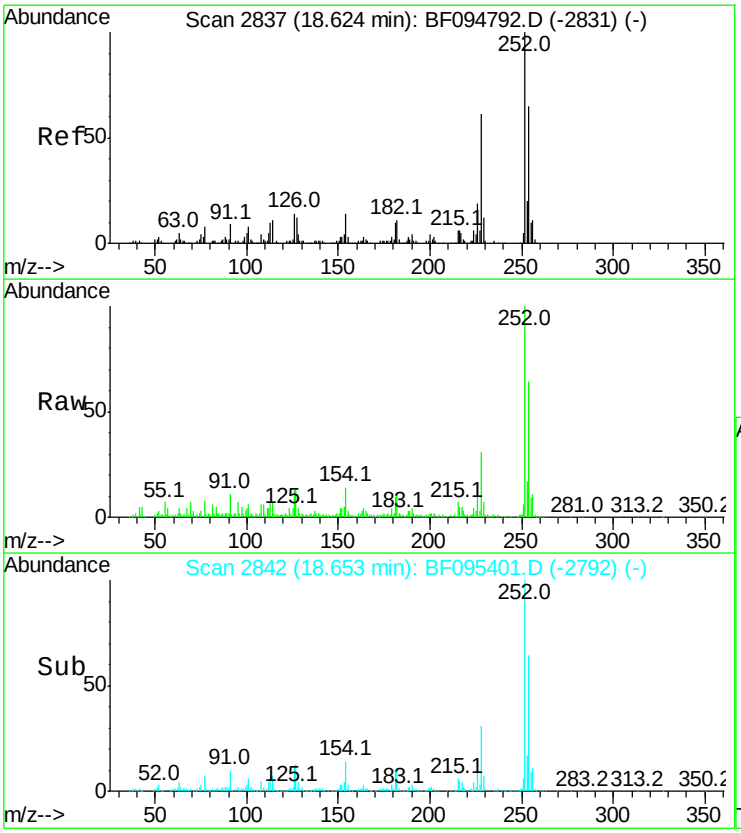
#80
Benzo(a)anthracene
Concen: 53.60 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:228 Resp: 540634

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	20.5	16.3	24.5

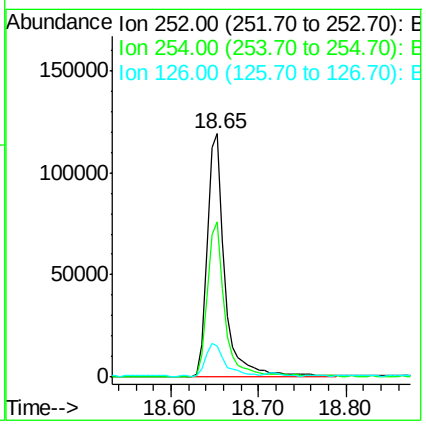


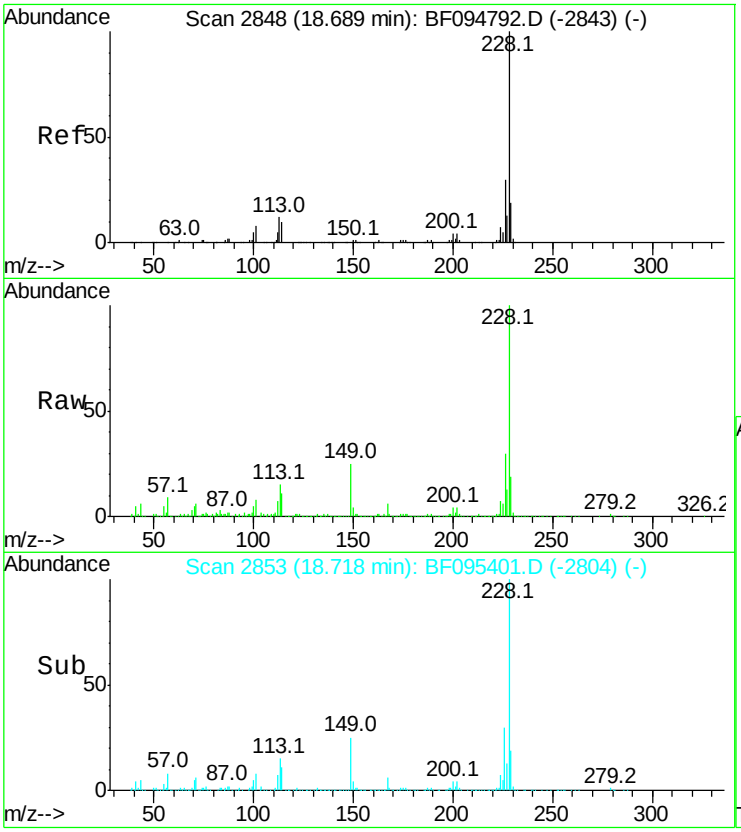


#81
3,3'-Dichlorobenzidine
Concen: 48.12 ng
RT: 18.65 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:252 Resp: 167637

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	12.6	15.8	23.8#



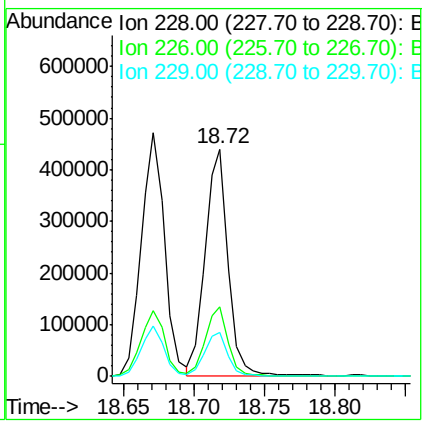


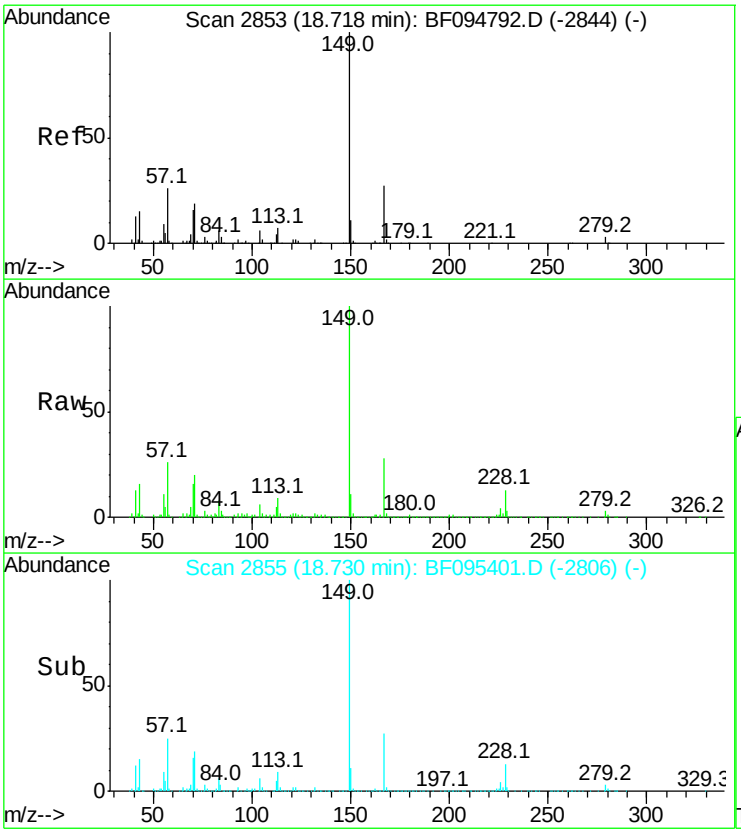
#82
Chrysene
Concen: 50.35 ng
RT: 18.72 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:228 Resp: 491071

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	19.4	15.8	23.6

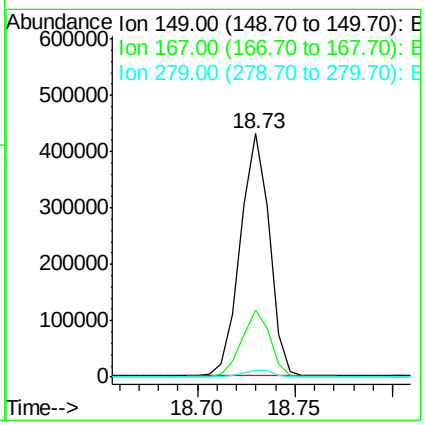


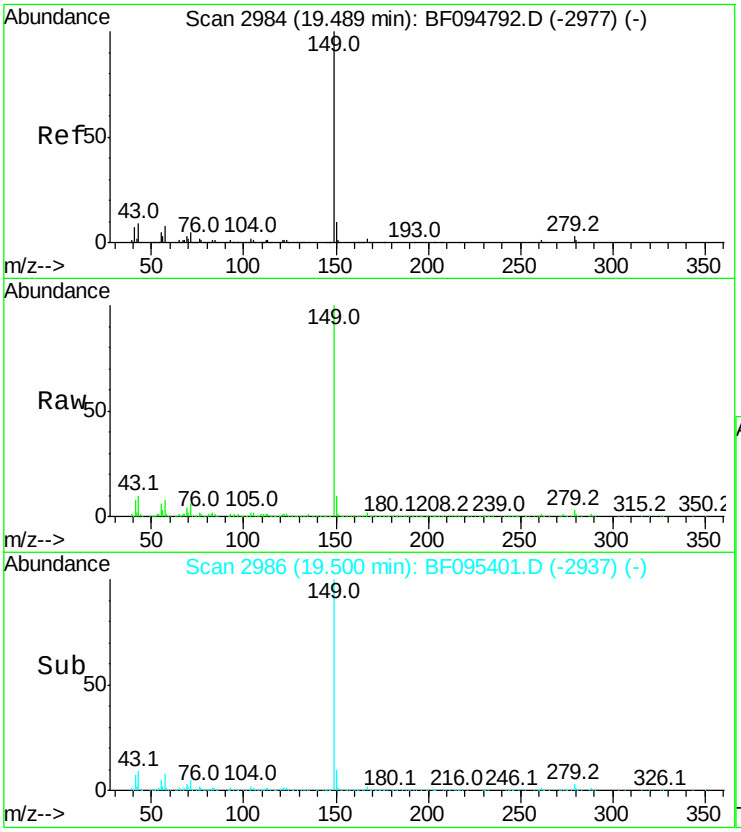


#83
Bis(2-ethylhexyl)phthalate
Concen: 51.60 ng
RT: 18.73 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:149 Resp: 443279

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.0	31.4
279	2.9	1.9	2.9#



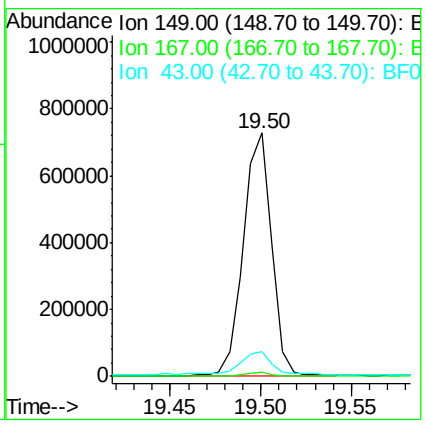


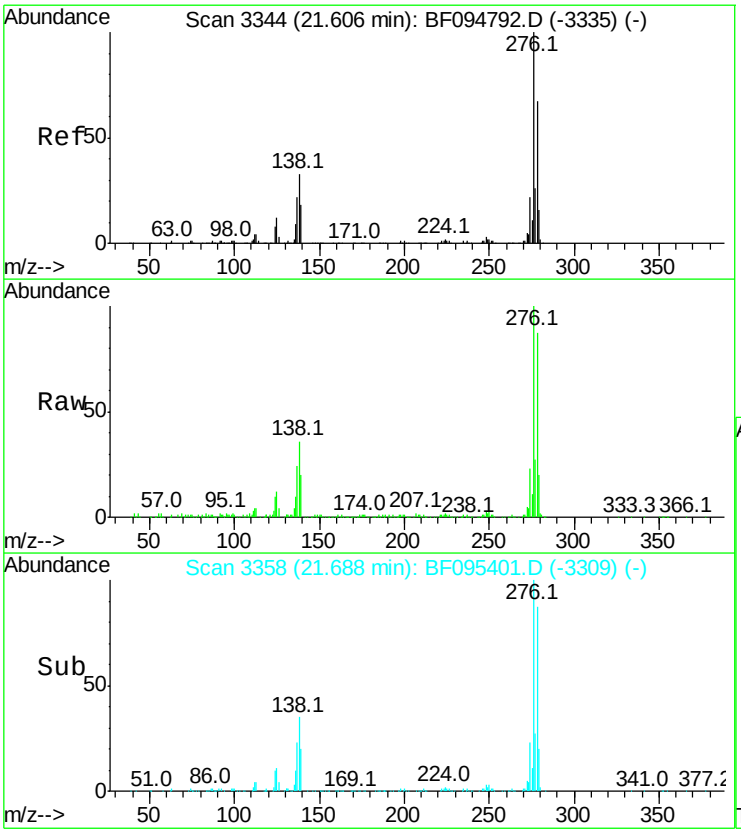
#84
Di-n-octyl phthalate
Concen: 55.21 ng
RT: 19.50 min Scan# 2986
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:149 Resp: 777513

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.0	8.5	12.7

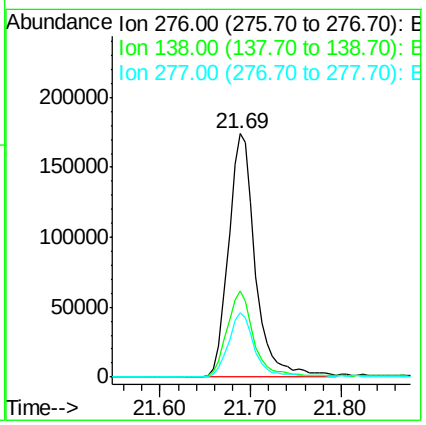


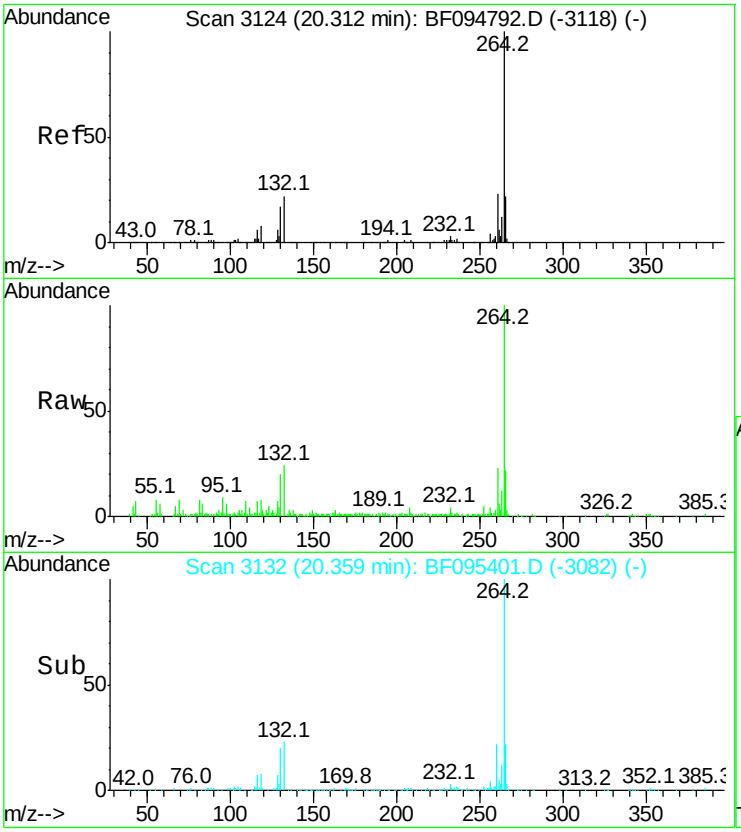


#85
Indeno(1,2,3-cd)pyrene
Concen: 45.39 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:276 Resp: 359484

Ion	Ratio	Lower	Upper
276	100		
138	34.4	27.8	41.6
277	26.1	20.2	30.4



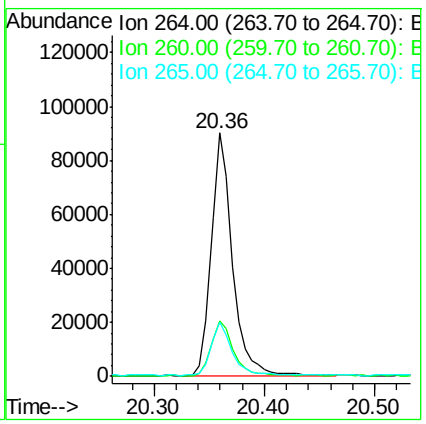


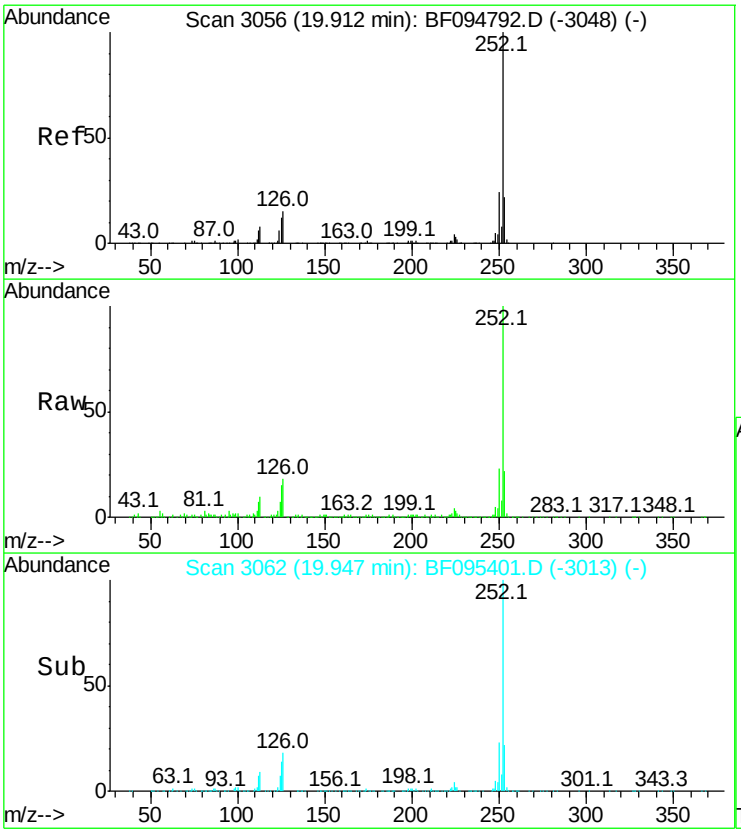
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:264 Resp: 120762

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	22.3	17.2	25.8

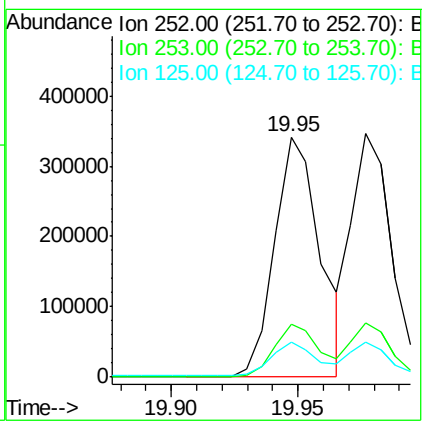


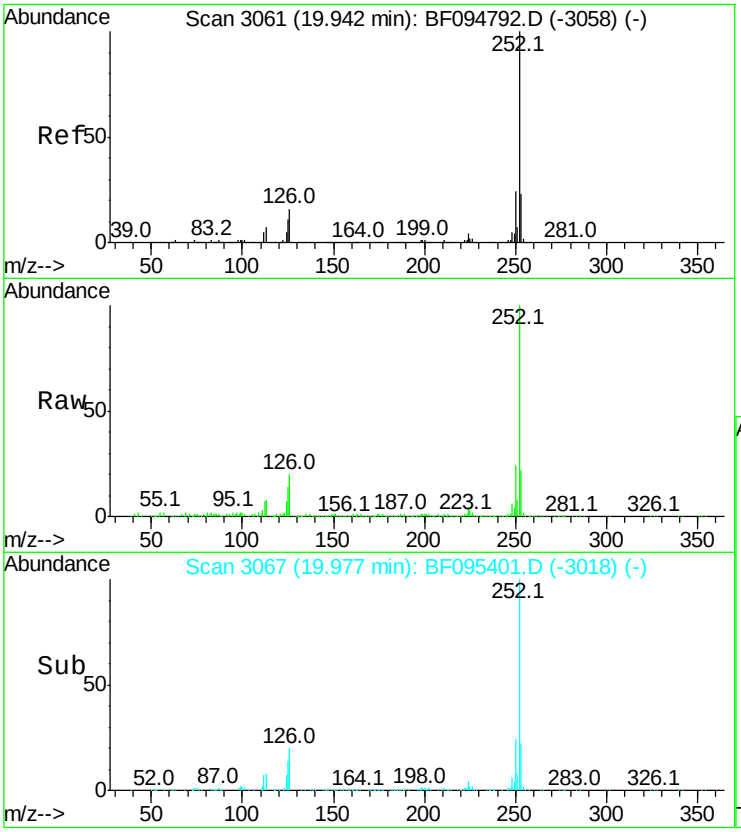


#87
Benzo(b)fluoranthene
Concen: 57.49 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:252 Resp: 428961

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	14.6	9.8	14.8



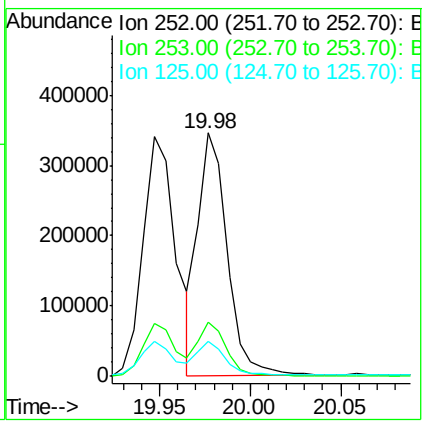


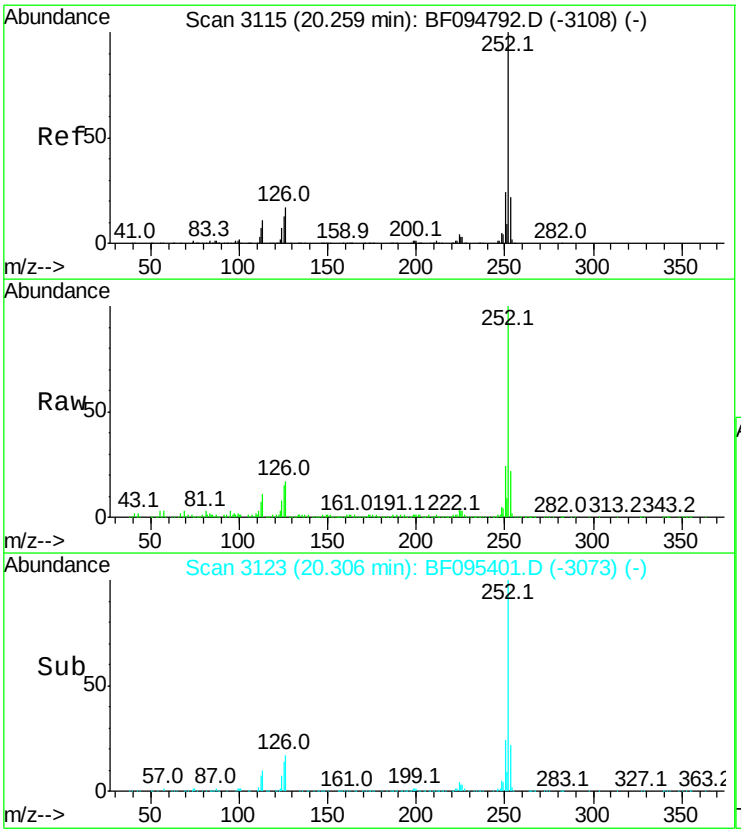
#88
Benzo(k)fluoranthene
Concen: 53.52 ng
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:252 Resp: 385240

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	14.3	13.1	19.7

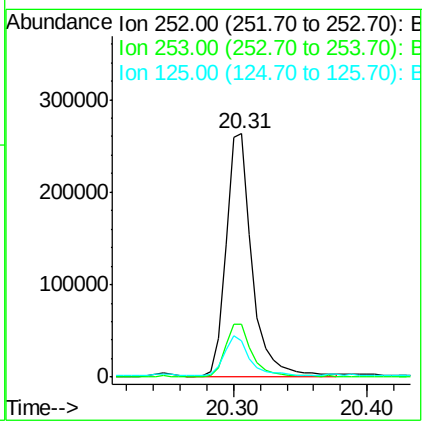


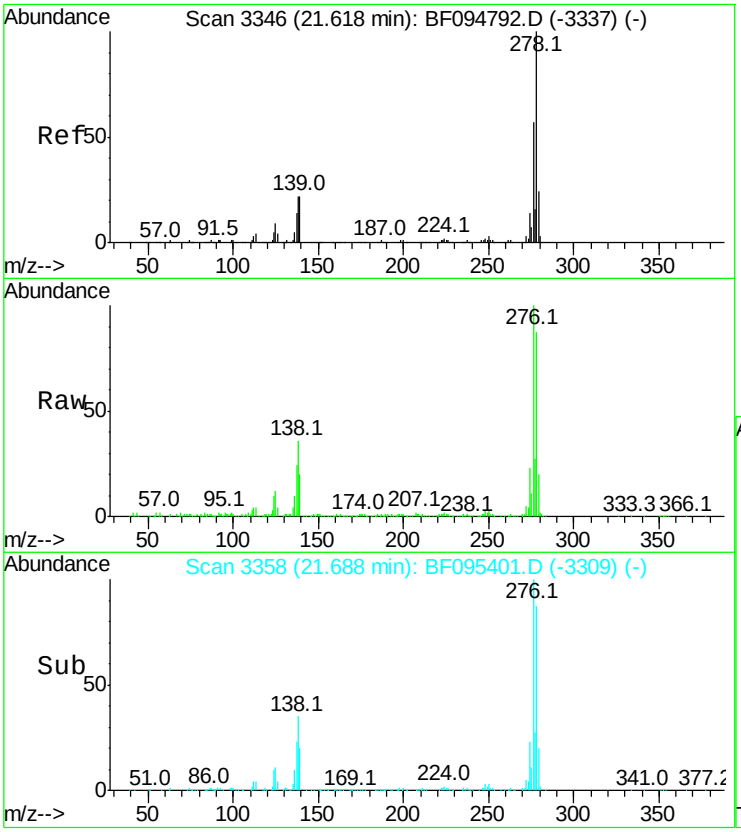


#89
Benzo(a)pyrene
Concen: 51.77 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:252 Resp: 356470

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.0	11.0	16.4



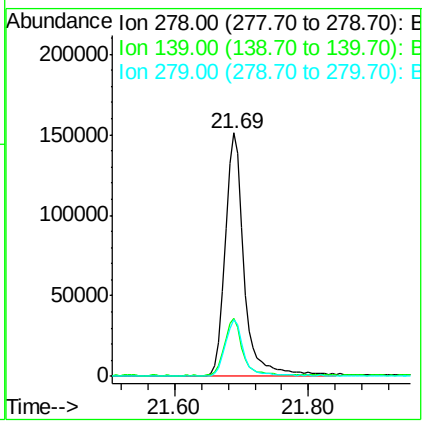


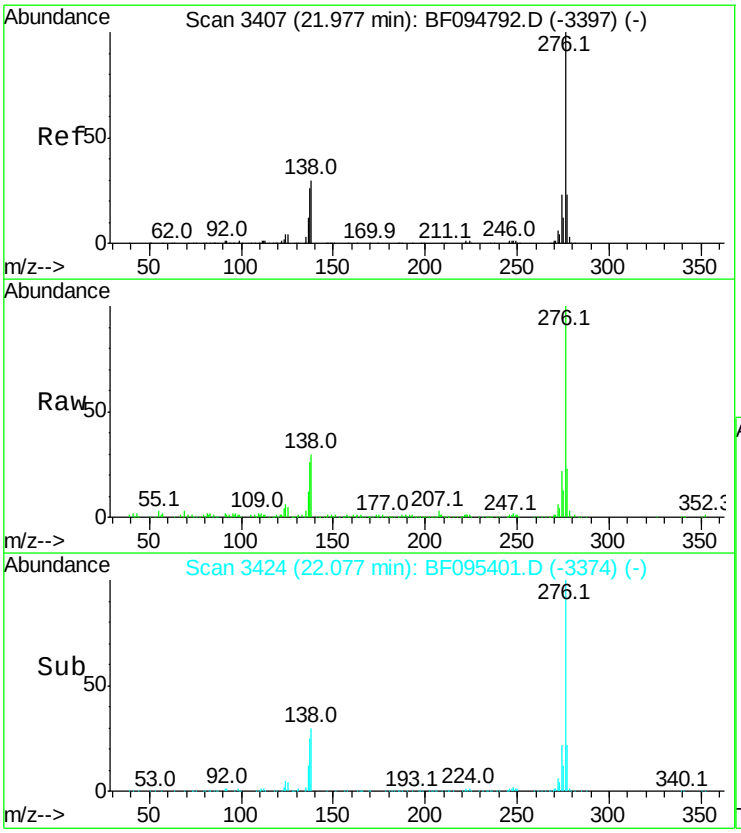
#90
Dibenzo(a,h)anthracene
Concen: 53.41 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Instrument :
BNA_F
ClientSampleId :
EX-02MSD

Tgt Ion:278 Resp: 303714

Ion	Ratio	Lower	Upper
278	100		
139	23.6	16.6	24.8
279	23.3	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 54.98 ng
RT: 22.08 min Scan# 3424
Delta R.T. -0.01 min
Lab File: BF095401.D
Acq: 24 May 2017 21:39

Tgt Ion:276 Resp: 306823

Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	30.0	25.4	38.0