Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
Data File : BF094815.D
Acq On : 3 May 2017 2:48
Operator : SJ/MA
Sample : I2920-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 03 04:52:24 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 02 17:18:57 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	99319	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	372983	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	174129	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	283733	20.00	ng	0.00
75) Chrysene-d12	18.64	240	211799	20.00	ng	-0.01
86) Perylene-d12	20.31	264	173995	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	249792	41.93	ng	-0.01
7) Phenol-d6	7.26	99	320976	44.91	ng	-0.02
23) Nitrobenzene-d5	8.61	82	167594	28.33	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	58091	40.74	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	381581	31.54	ng	-0.01
78) Terphenyl-d14	17.30	244	233691	24.30	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.09	88	134	0.046	ng	# 21
6) Aniline	7.39	93	133	0.015	ng	# 1
10) Phenol	7.28	94	2953	0.392	ng	# 1
11) bis(2-Chloroethyl)ether	7.39	93	133	0.021	ng	# 1
15) Benzyl Alcohol	7.96	79	2626	0.571	ng	# 41
22) Acetophenone	8.27	105	107	0.012	ng	# 46
24) Nitrobenzene	8.62	77	408	0.066	ng	# 39
25) Isophorone	8.98	82	257	0.024	ng	# 67
31) Naphthalene	9.78	128	16734	0.893	ng	97
33) 4-Chloroaniline	9.78	127	2126	0.304	ng	# 42
35) Caprolactam	10.55	113	107	0.070	ng	# 77
37) 2-Methylnaphthalene	10.91	142	6667	0.542	ng	94
45) 1,1'-Biphenyl	11.68	154	2222	0.152	ng	89
48) Acenaphthylene	12.35	152	10310	0.556	ng	# 96
49) Dimethylphthalate	12.21	163	40304	2.819	ng	98
51) Acenaphthene	11.68	154	2222	0.152	ng	# 35
54) Dibenzofuran	12.92	168	16242	1.060	ng	98
56) 2,4-Dinitrotoluene	12.85	165	410	0.109	ng	# 31
57) Fluorene	13.47	166	30548	2.292	ng	96
59) Diethylphthalate	13.36	149	925	0.068	ng	# 60
61) 4-Nitroaniline	13.47	138	137	0.048	ng	# 25
62) Azobenzene	13.75	77	520	0.047	ng	# 1
65) n-Nitrosodiphenylamine	13.70	169	2238	0.217	ng	# 77
70) Phenanthrene	15.01	178	338485	20.763	ng	98
71) Anthracene	15.09	178	126211	7.579	ng	97
72) Carbazole	15.38	167	18233	1.203	ng	98
73) Di-n-butylphthalate	15.95	149	2338	0.124	ng	# 4
74) Fluoranthene	16.76	202	720266	43.070	ng	99
77) Pyrene	17.06	202	689318	43.517	ng	97
79) Butylbenzylphthalate	17.95	149	479	0.065	ng	# 73
80) Benzo(a)anthracene	18.64	228	360111	29.214	ng	100
81) 3,3'-Dichlorobenzidine	18.64	252	1677	0.394	ng	# 1
82) Chrysene	18.68	228	315759	26.492	ng	96
83) Bis(2-ethylhexyl)phthalate	18.71	149	2525	0.241	ng	# 97

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
72-11930/72-11937/VNJ-239

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Quant Time: May 03 04:52:24 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 02 17:18:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Di-n-octyl phthalate	19.48	149	899	0.052	ng	#	1
85) Indeno(1,2,3-cd)pyrene	21.60	276	147326	15.221	ng		93
87) Benzo(b)fluoranthene	19.91	252	432062m	40.187	ng		
88) Benzo(k)fluoranthene	19.93	252	141289m	13.624	ng		
89) Benzo(a)pyrene	20.25	252	291147	29.347	ng		96
90) Dibenzo(a,h)anthracene	21.61	278	38741	4.728	ng	#	77
91) Benzo(g,h,i)perylene	21.98	276	139789	17.386	ng		97

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

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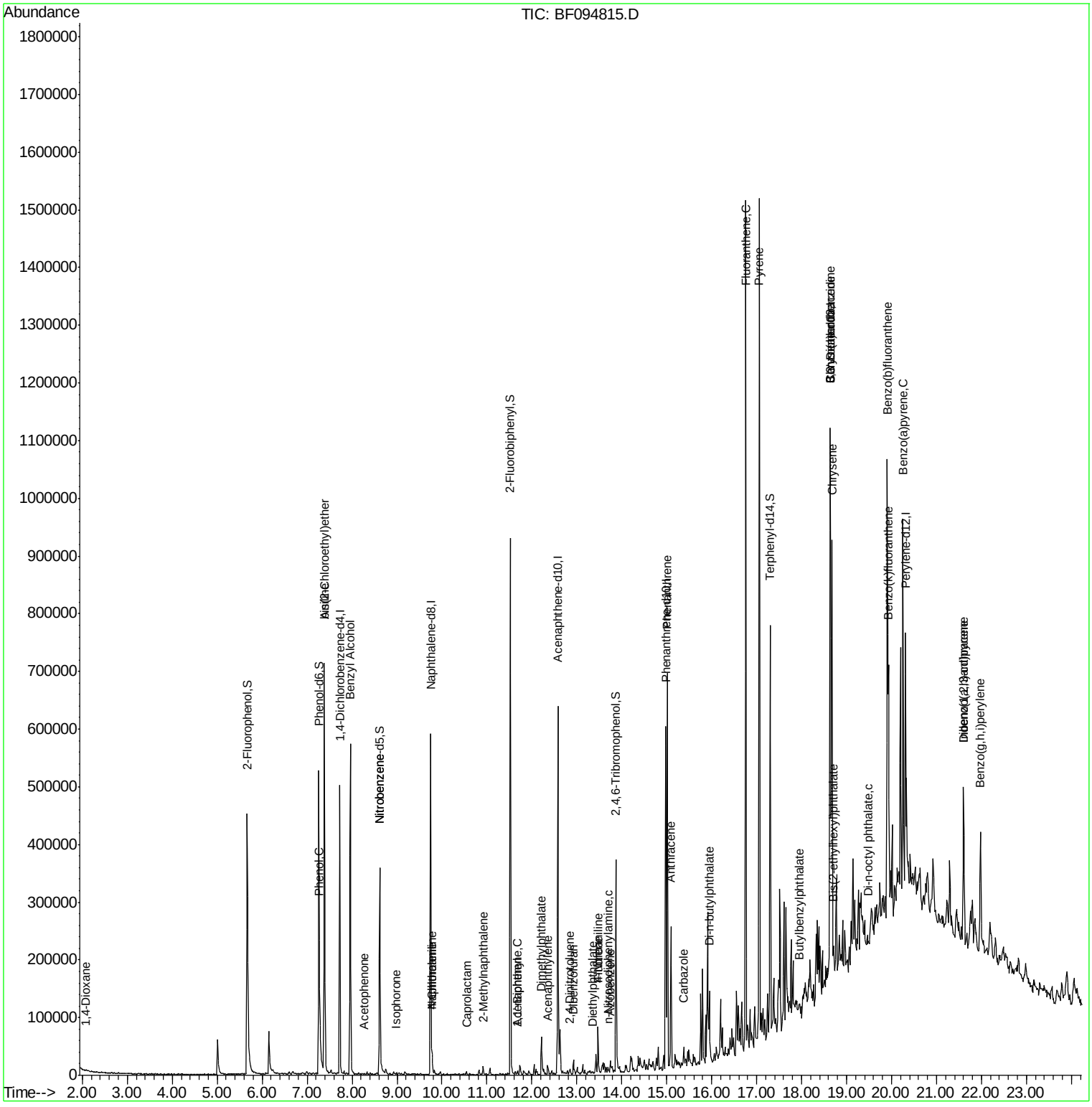
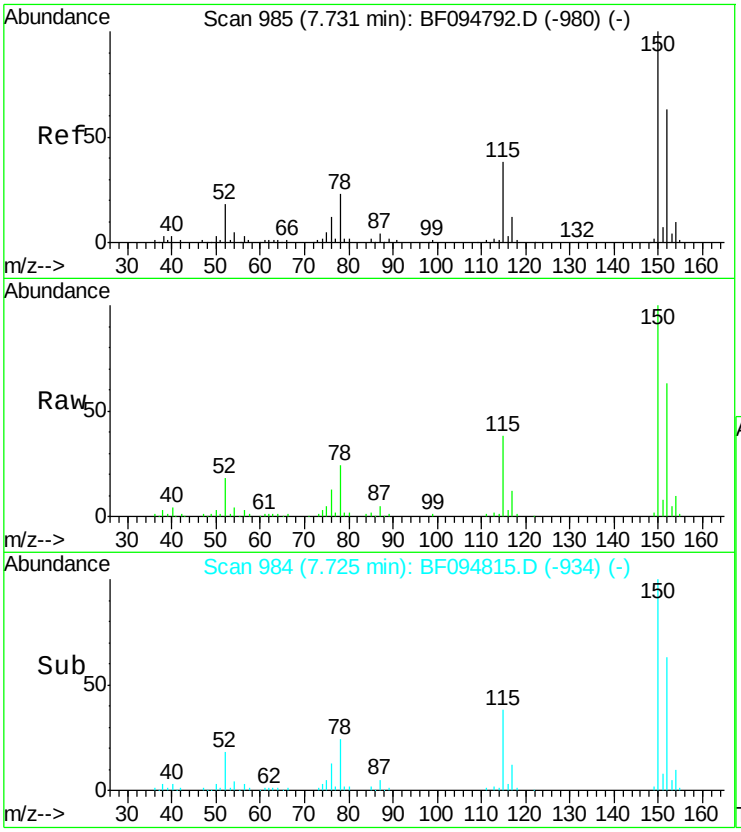
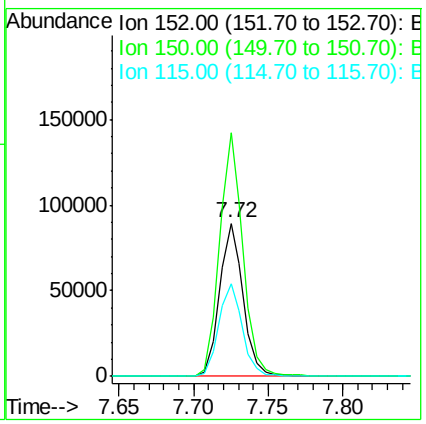




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:152 Resp: 99319

Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	60.4	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

Manual Integrations APPROVED
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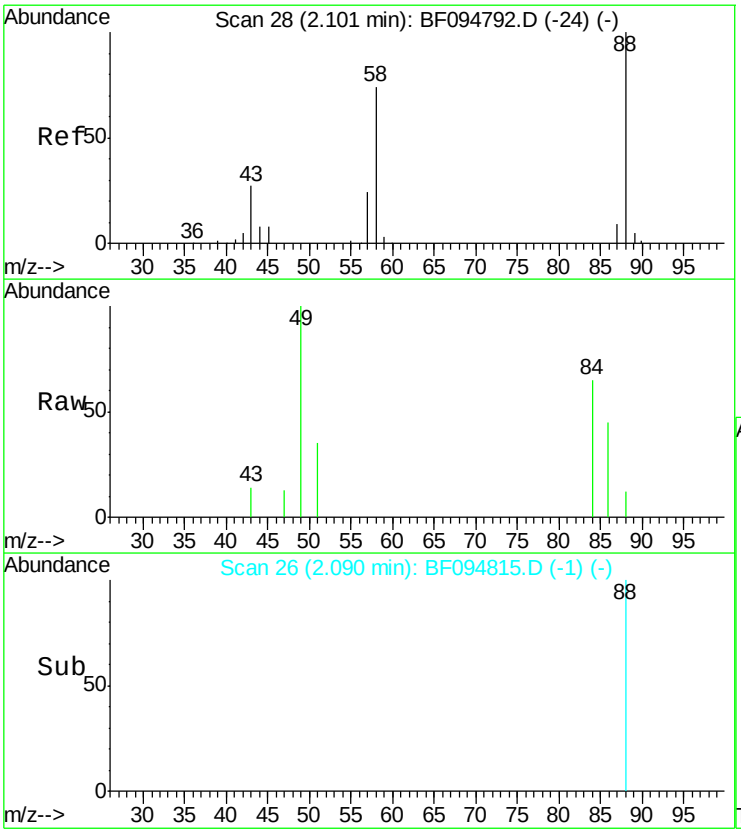
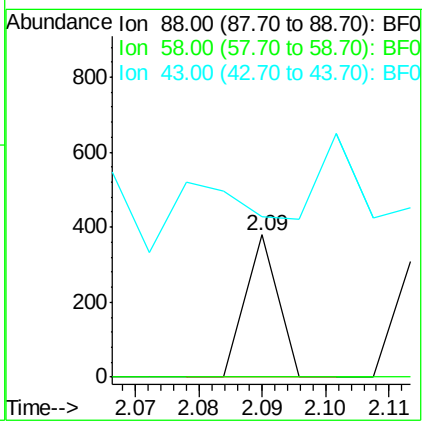
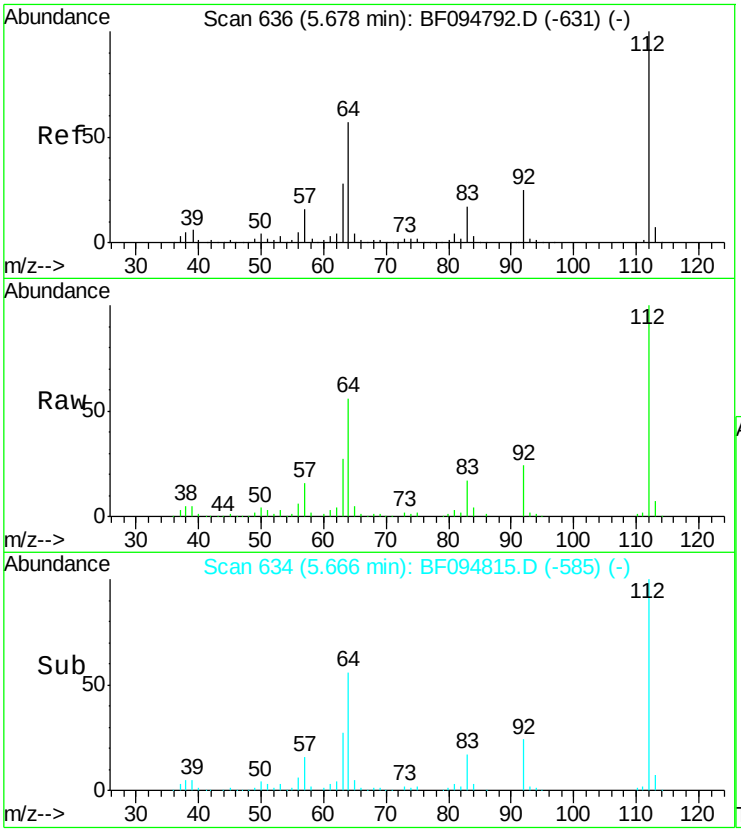


#2
1,4-Dioxane
Concen: 0.046 ng
RT: 2.09 min Scan# 26
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 88 Resp: 134

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	0.0	23.4	35.0#





#5
2-Fluorophenol
Concen: 41.931 ng
RT: 5.67 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:112 Resp: 249792

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	27.5	23.4	35.0

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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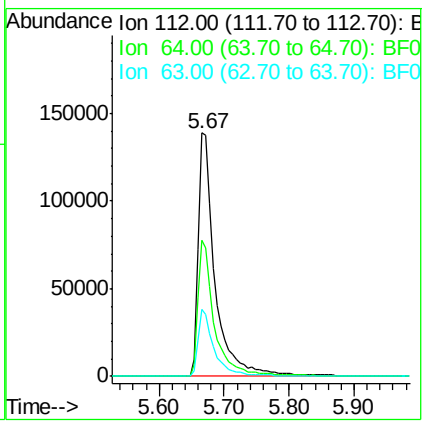
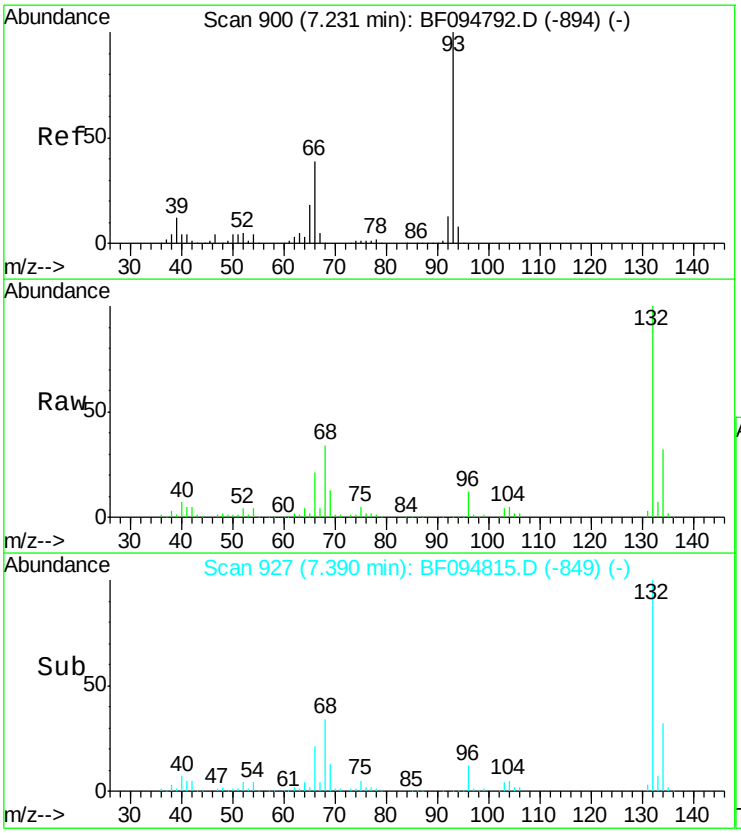
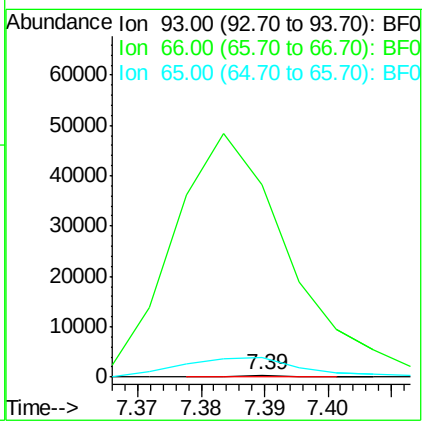


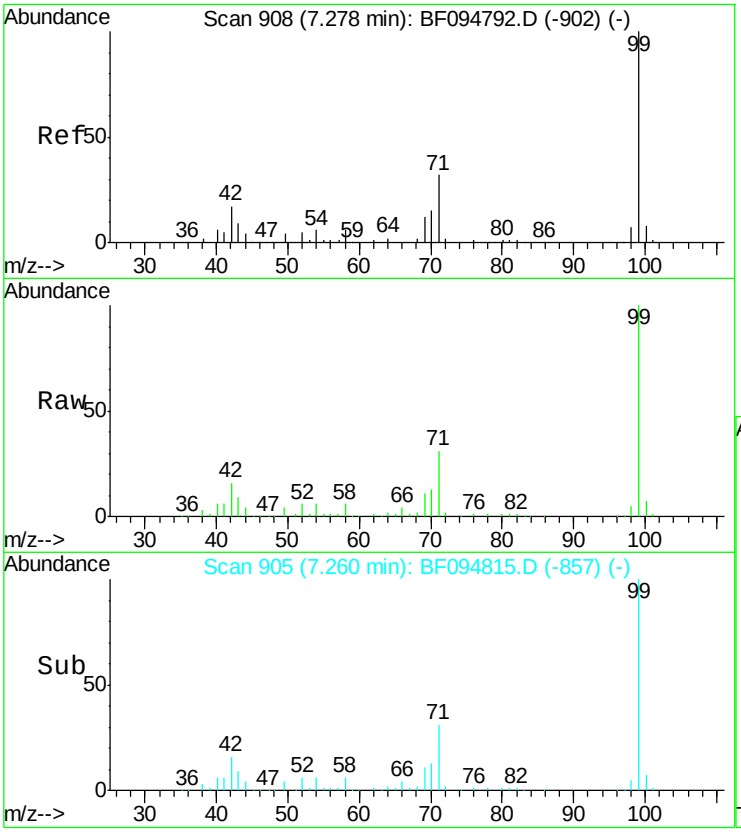


#6
Aniline
Concen: 0.015 ng
RT: 7.39 min Scan# 927
Delta R.T. 0.16 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 93 Resp: 133

Ion	Ratio	Lower	Upper
93	100		
66	10105.8	32.9	49.3#
65	1029.6	16.0	24.0#

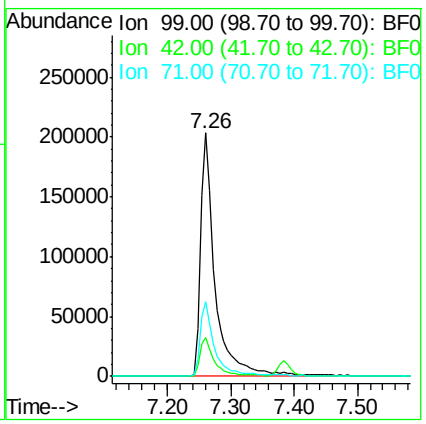




#7
Phenol-d6
Concen: 44.906 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 99 Resp: 320976

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	30.9	24.5	36.7



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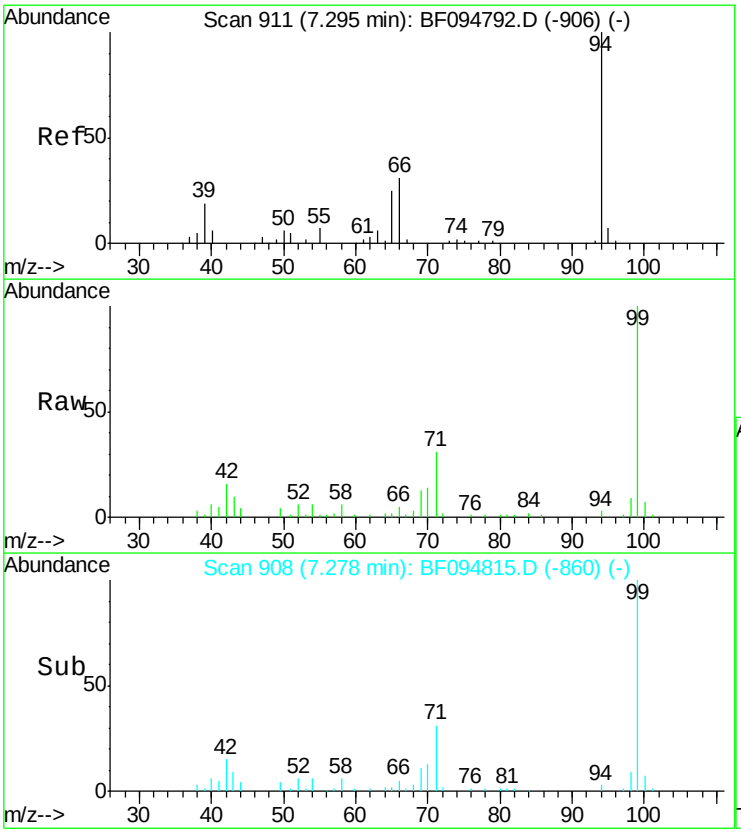
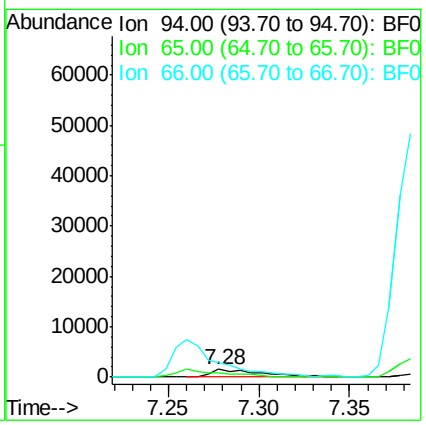
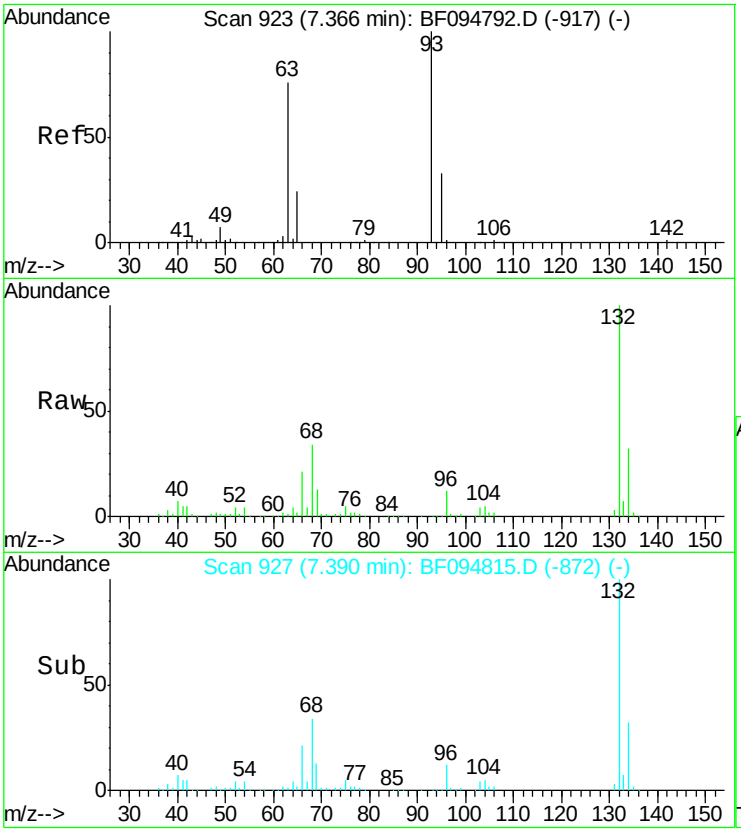


#10
Phenol
Concen: 0.392 ng
RT: 7.28 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 94 Resp: 2953

Ion	Ratio	Lower	Upper
94	100		
65	55.2	9.9	49.9#
66	187.0	23.1	63.1#

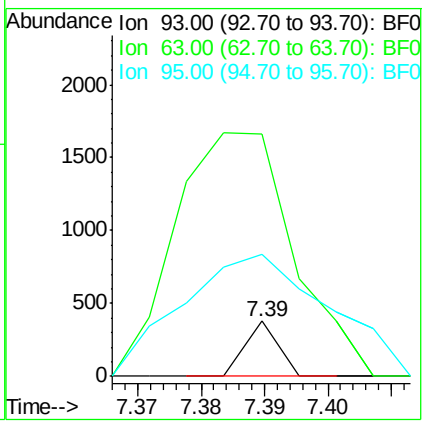




#11
bis(2-Chloroethyl)ether
Concen: 0.021 ng
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 93 Resp: 133

Ion	Ratio	Lower	Upper
93	100		
63	440.5	59.2	99.2#
95	222.0	12.8	52.8#



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ClientSampleId :
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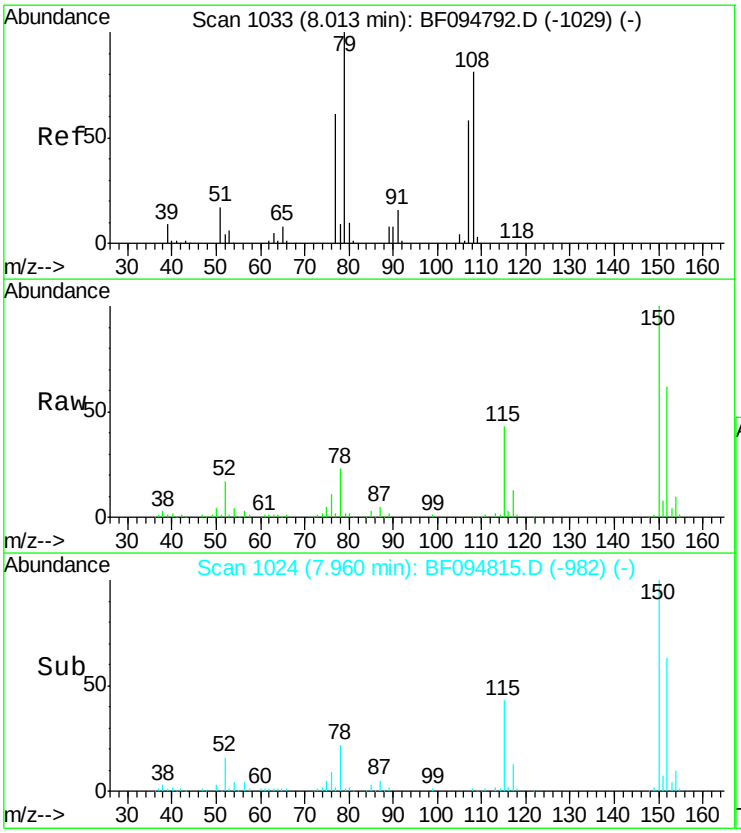
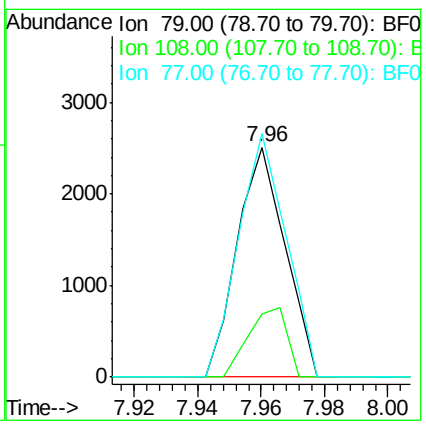
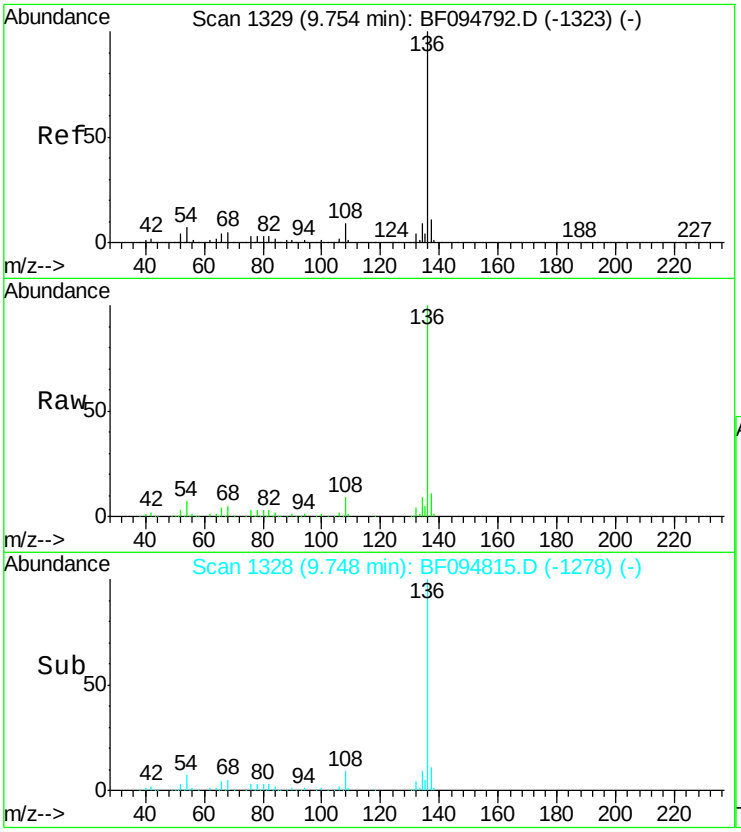


#15
Benzyl Alcohol
Concen: 0.571 ng
RT: 7.96 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 79 Resp: 2626

Ion	Ratio	Lower	Upper
79	100		
108	27.3	63.4	95.0#
77	105.9	49.2	73.8#

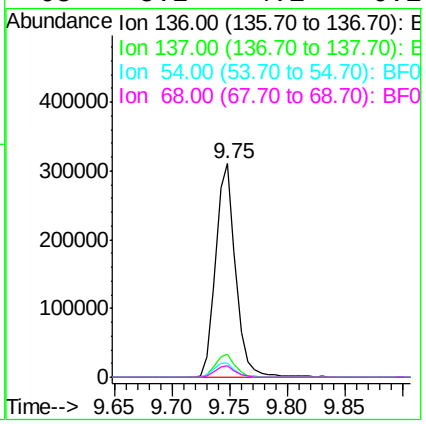




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:136 Resp: 372983

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.6	4.9	7.3
68	5.2	4.1	6.1



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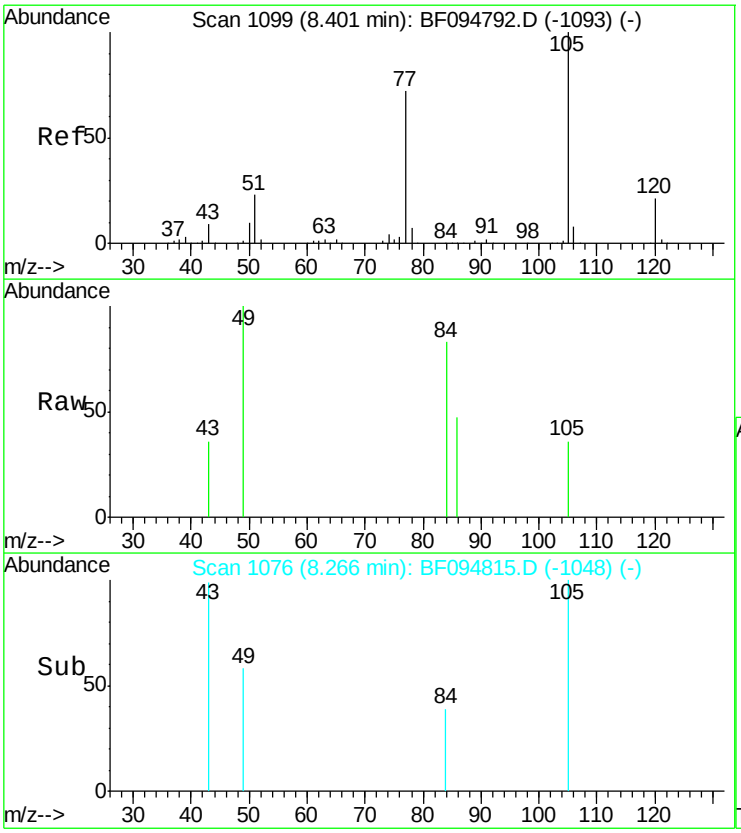
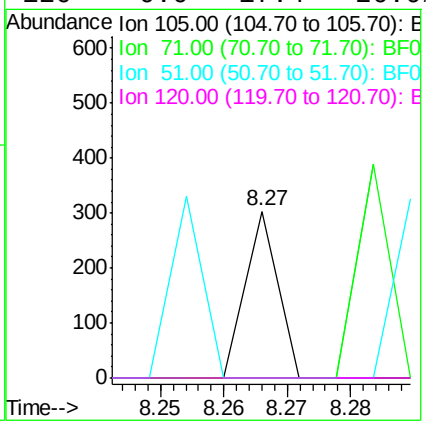
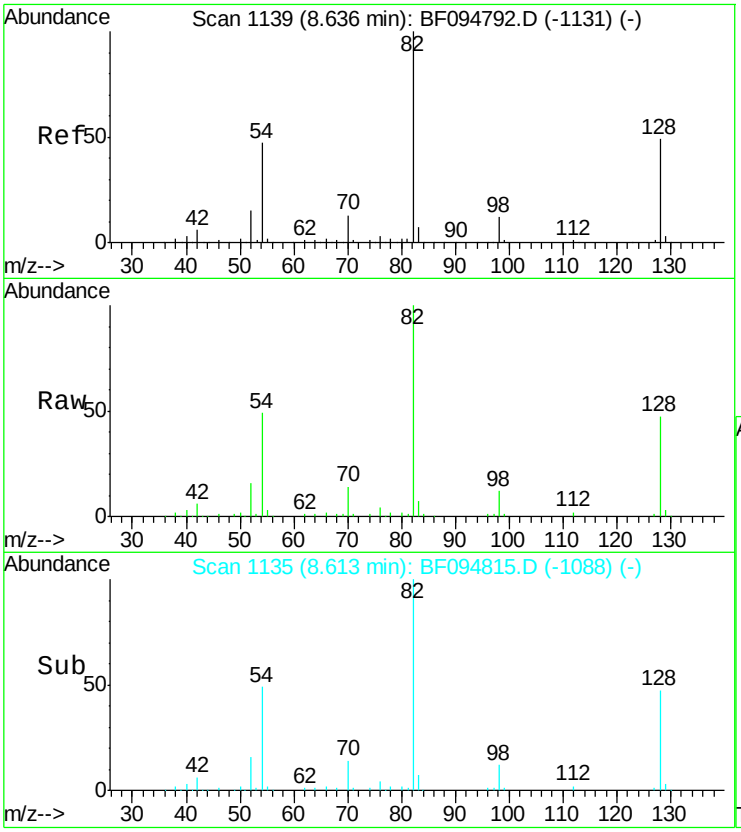


#22
Acetophenone
Concen: 0.012 ng
RT: 8.27 min Scan# 1076
Delta R.T. -0.14 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:105 Resp: 107

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

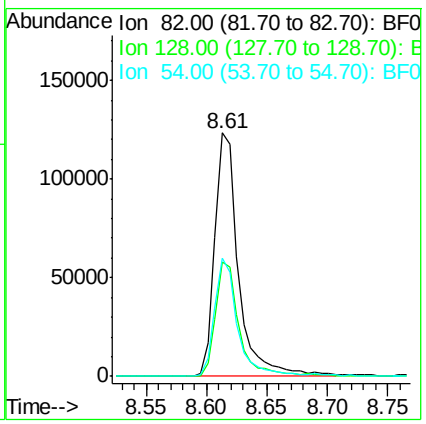




#23
Nitrobenzene-d5
Concen: 28.334 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 82 Resp: 167594

Ion	Ratio	Lower	Upper
82	100		
128	47.0	34.0	51.0
54	48.7	42.2	63.2



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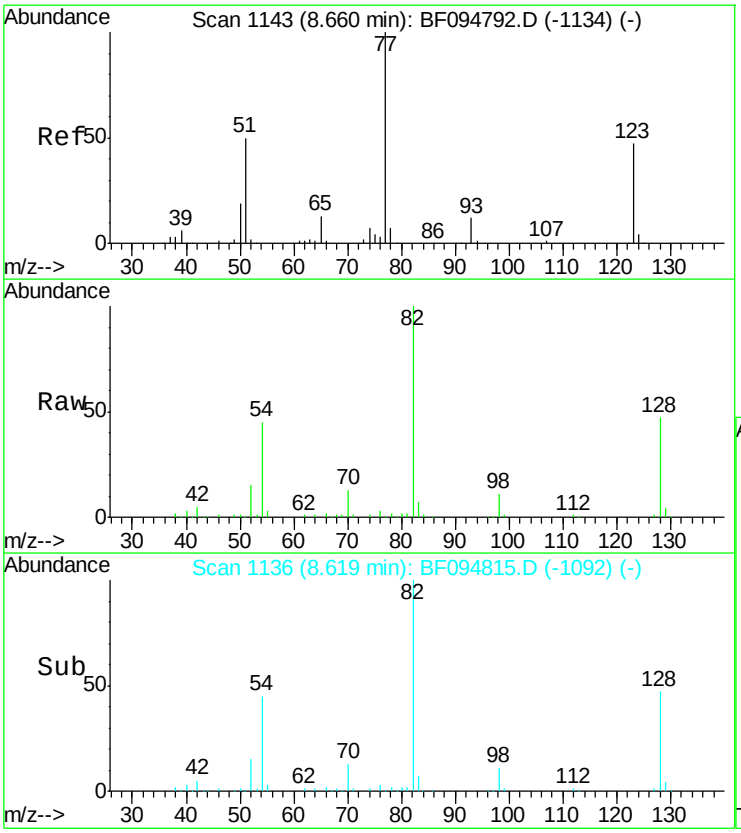
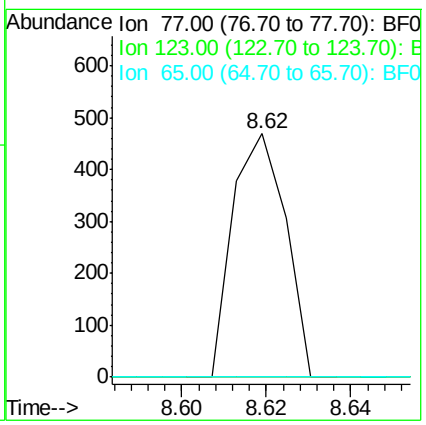
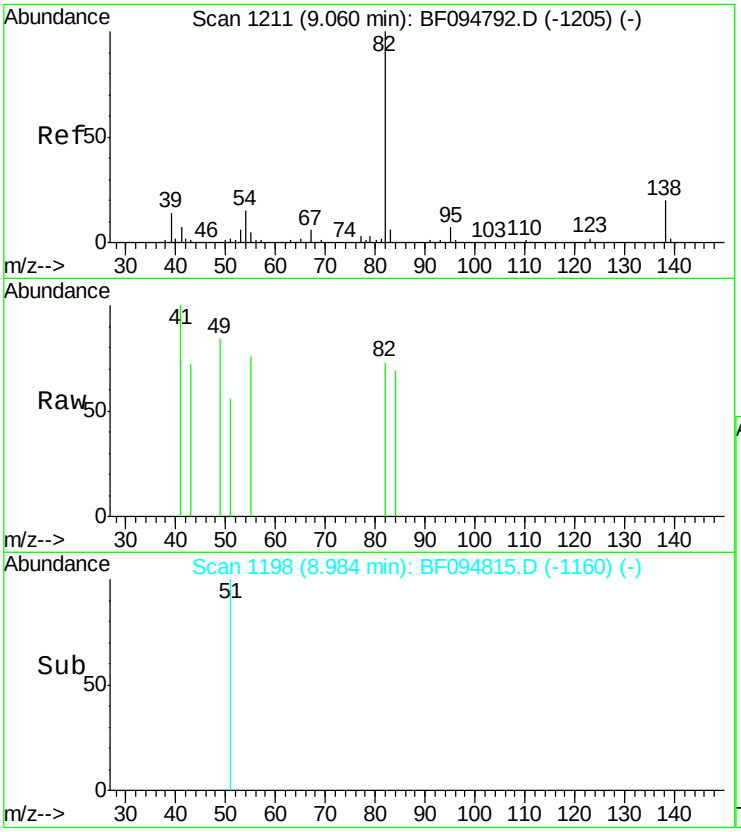


#24
Nitrobenzene
Concen: 0.066 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.04 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 77 Resp: 408

Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.8	53.8#
65	0.0	10.6	15.8#

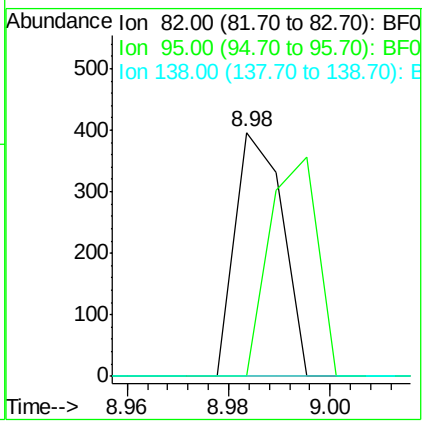




#25
Isophorone
Concen: 0.024 ng
RT: 8.98 min Scan# 1198
Delta R.T. -0.08 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 82 Resp: 257

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



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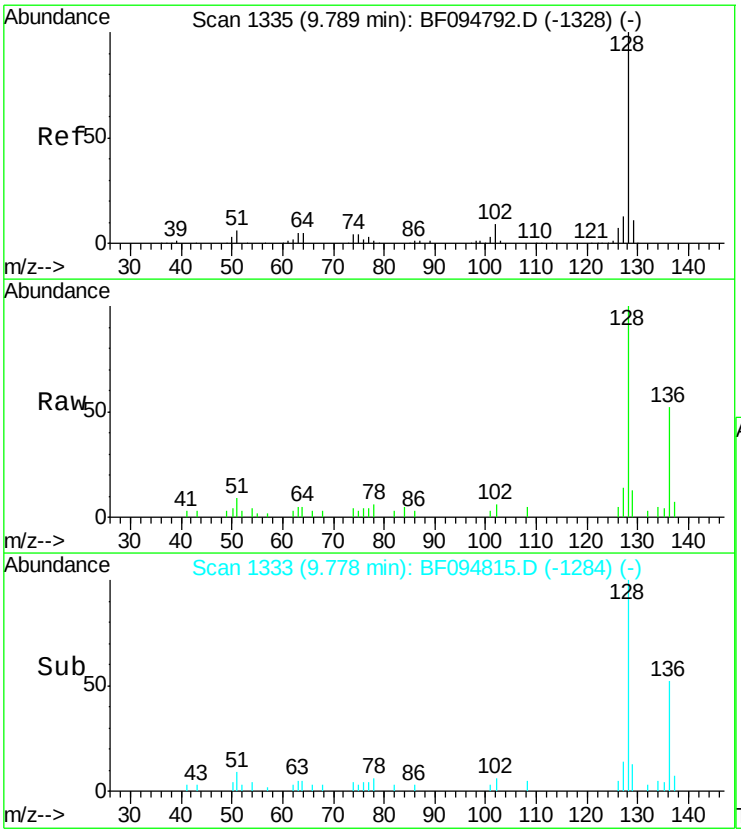
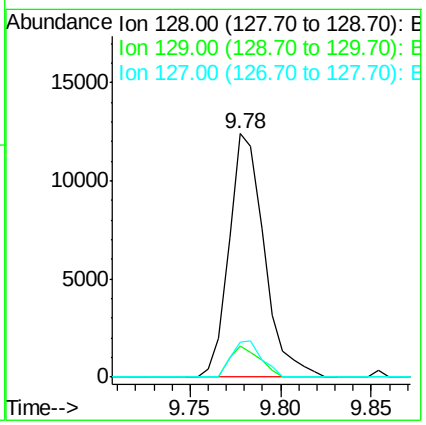
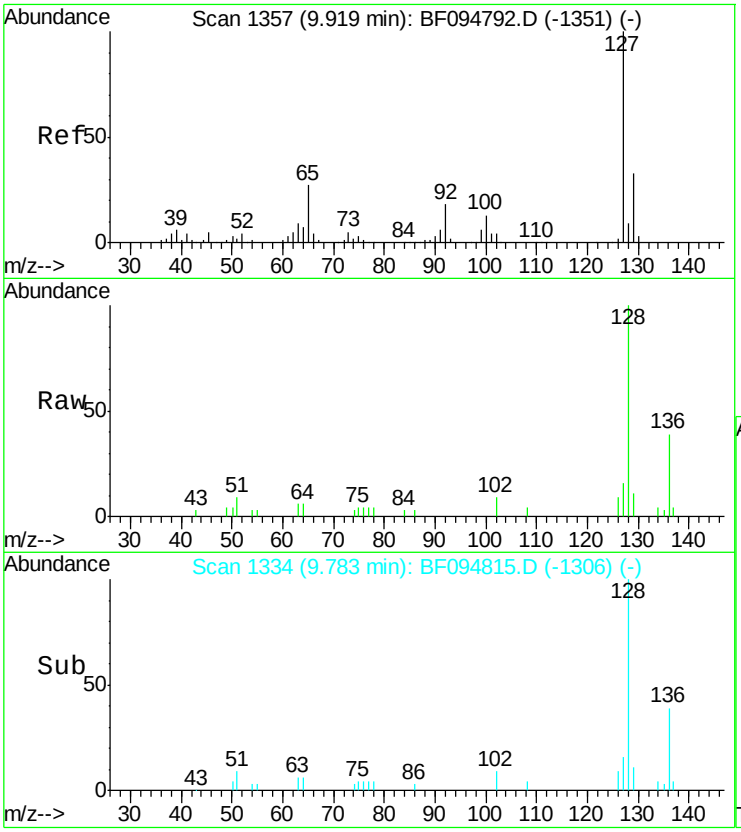


#31
Naphthalene
Concen: 0.893 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:128 Resp: 16734

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.0	13.6
127	14.4	10.8	16.2

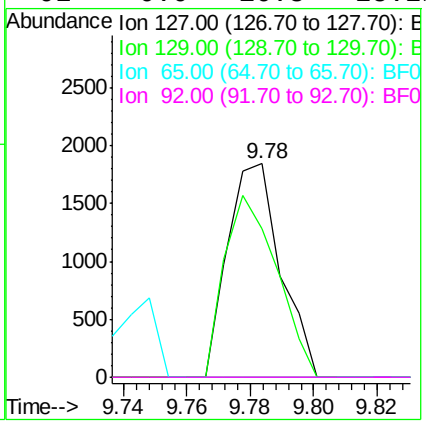




#33
4-Chloroaniline
Concen: 0.304 ng
RT: 9.78 min Scan# 1334
Delta R.T. -0.14 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:127 Resp: 2126

Ion	Ratio	Lower	Upper
127	100		
129	69.4	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



Instrument :
BNA_F
ClientSampleId :
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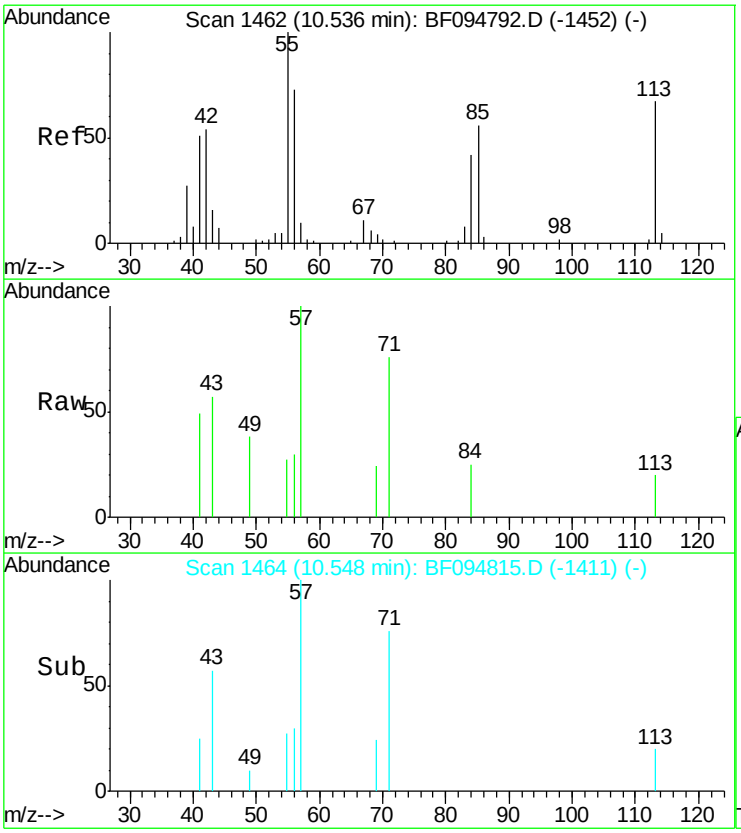
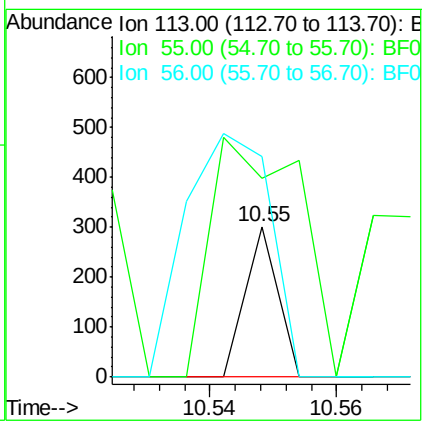
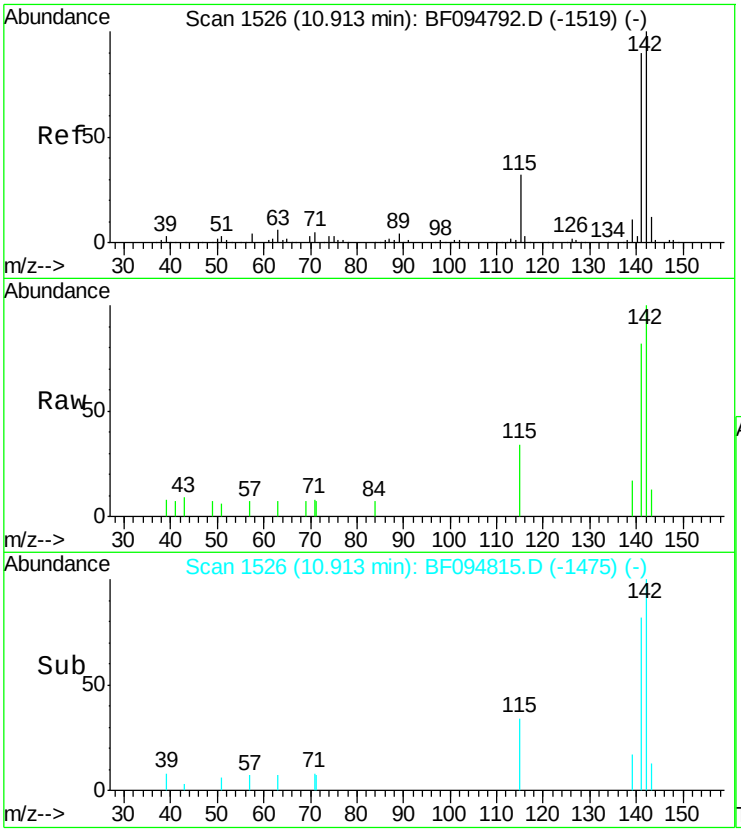


#35
Caprolactam
Concen: 0.070 ng
RT: 10.55 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:113 Resp: 107

Ion	Ratio	Lower	Upper
113	100		
55	131.5	150.2	190.2#
56	146.0	107.8	147.8

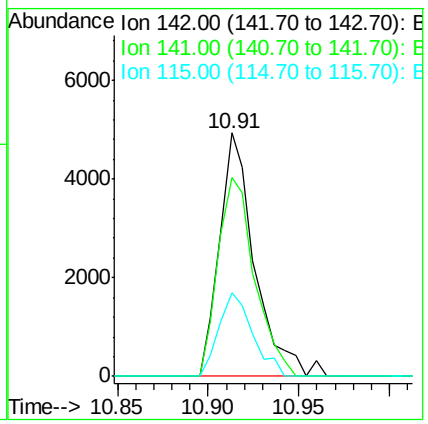




#37
2-Methylnaphthalene
Concen: 0.542 ng
RT: 10.91 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:142 Resp: 6667

Ion	Ratio	Lower	Upper
142	100		
141	81.7	71.3	106.9
115	34.2	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
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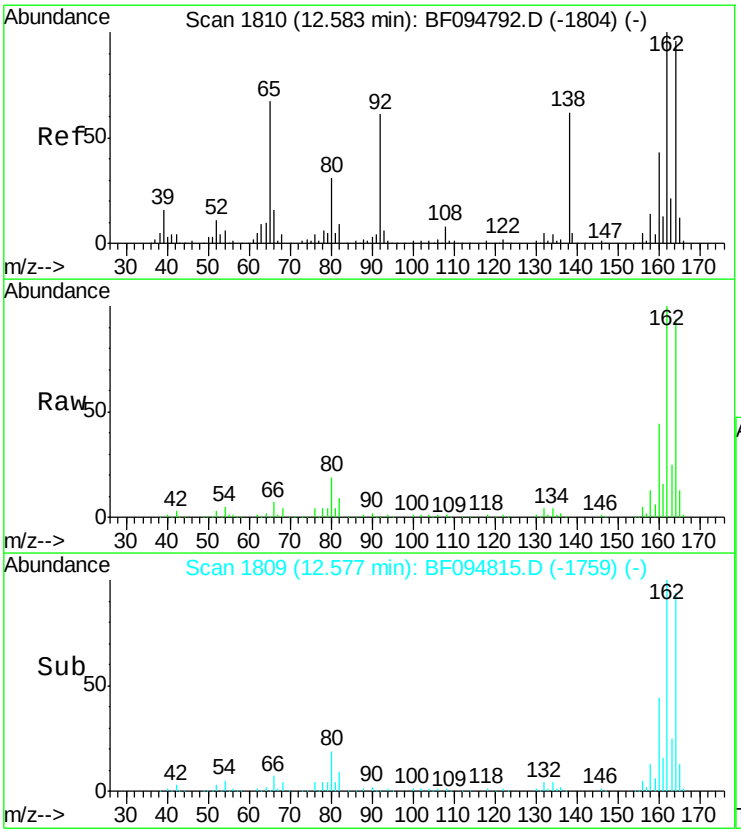
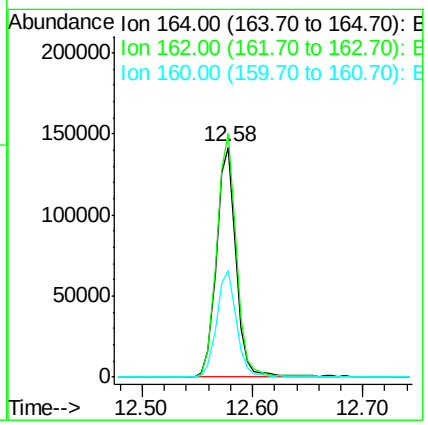
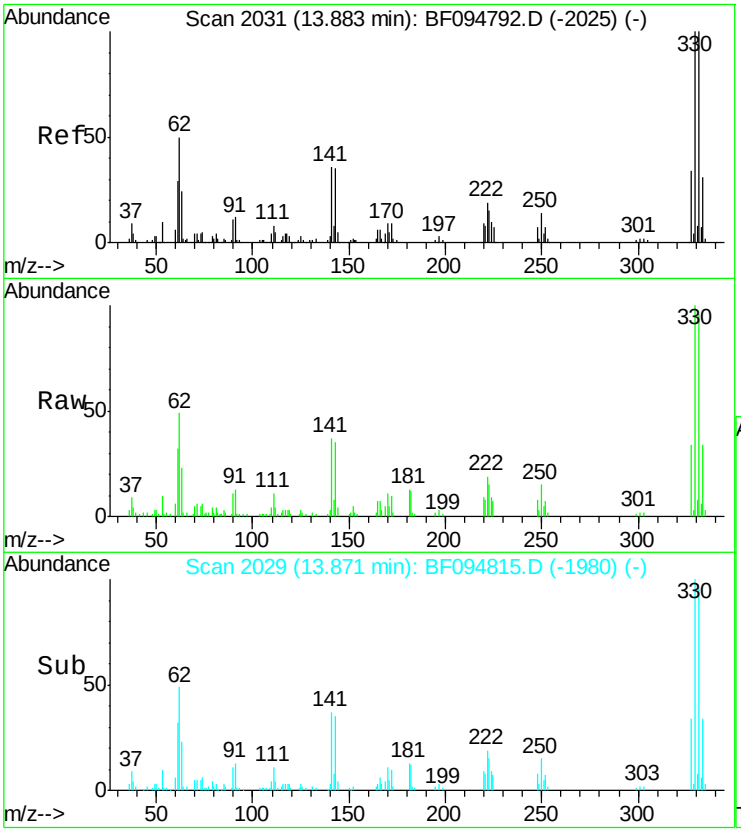


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:164 Resp: 174129

Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.6	123.8
160	46.7	36.2	54.2

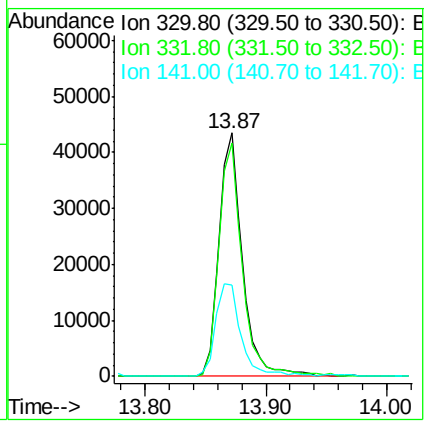




#41
2,4,6-Tribromophenol
Concen: 40.735 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:330 Resp: 58091

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	41.2	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
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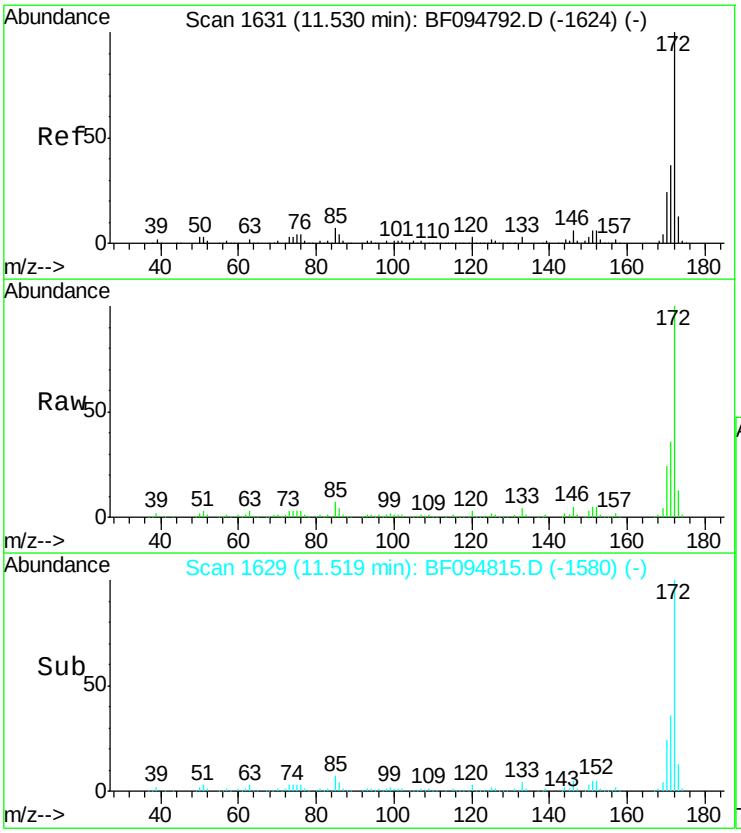
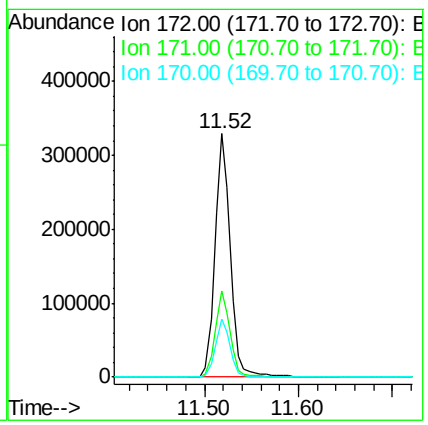
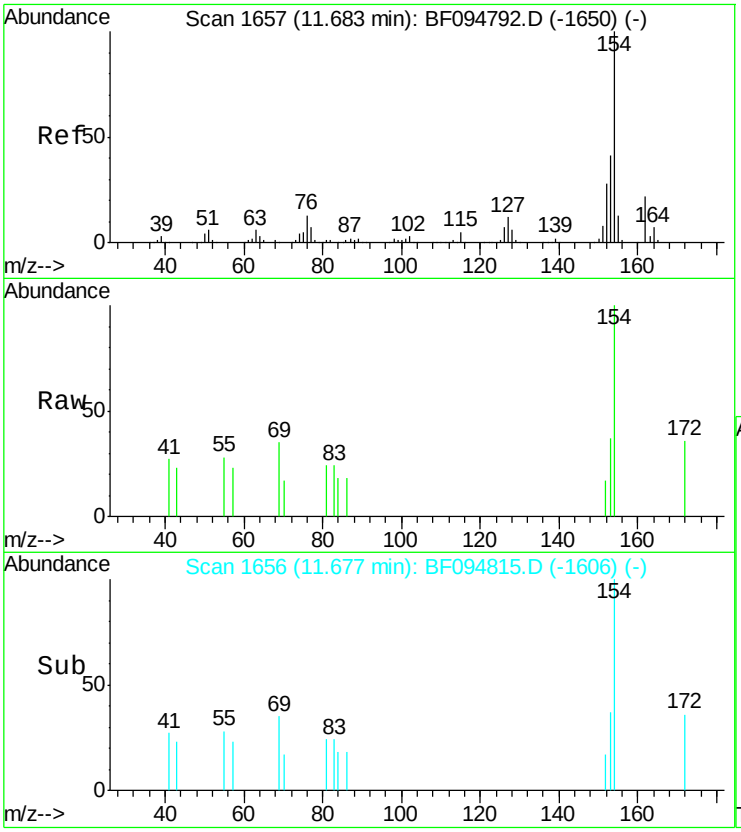


#44
2-Fluorobiphenyl
Concen: 31.541 ng
RT: 11.52 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:172 Resp: 381581

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.7	19.8	29.8

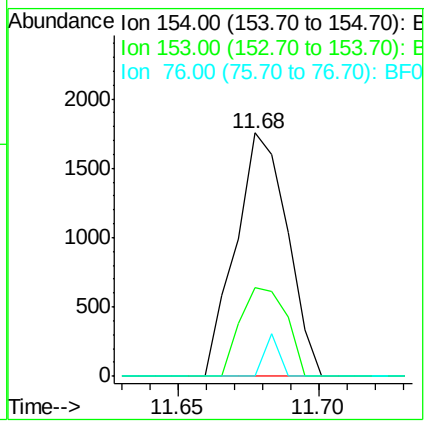




#45
1,1'-Biphenyl
Concen: 0.152 ng
RT: 11.68 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:154 Resp: 2222

Ion	Ratio	Lower	Upper
154	100		
153	36.5	21.2	61.2
76	0.0	0.0	29.9



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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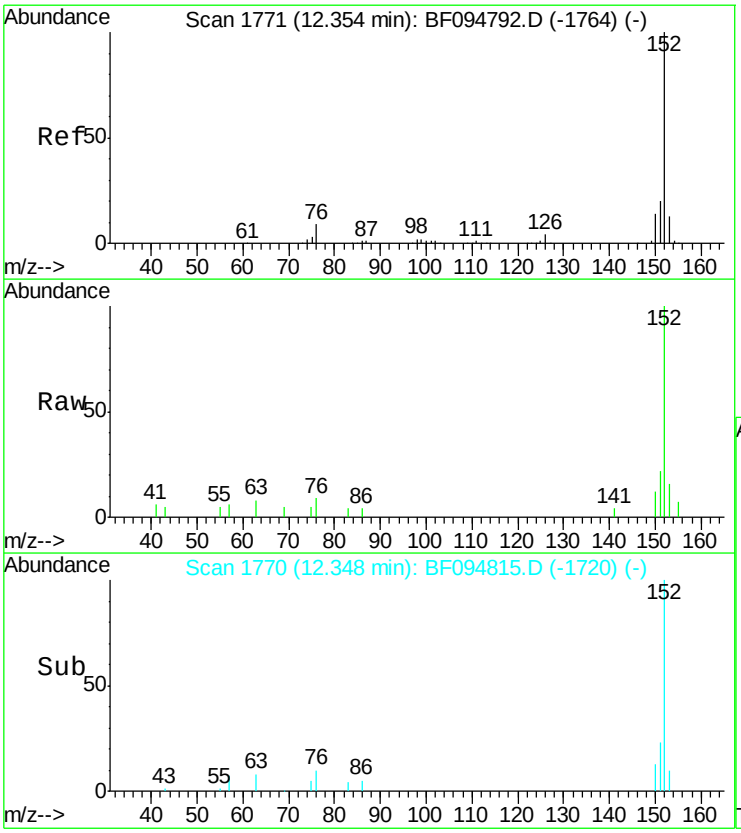
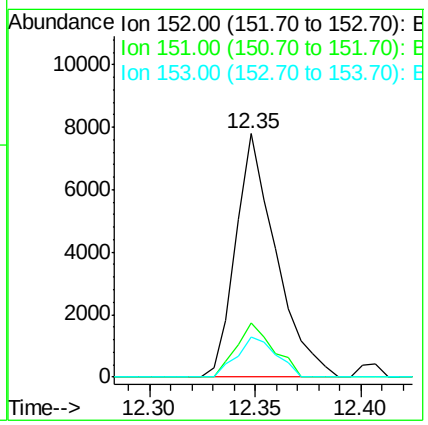
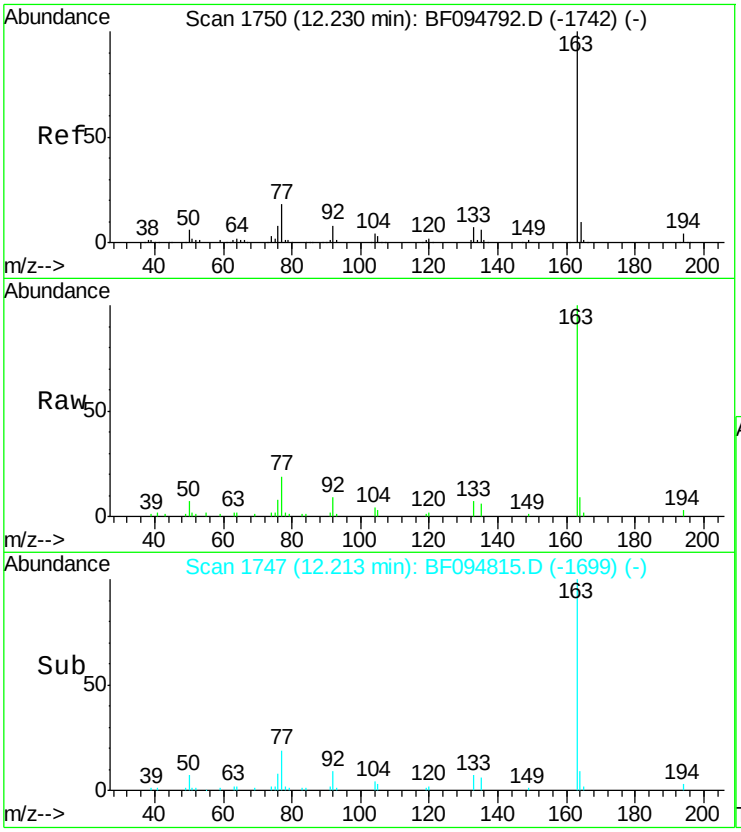


#48
Acenaphthylene
Concen: 0.556 ng
RT: 12.35 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:152 Resp: 10310

Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.8	25.2
153	16.2	10.8	16.2#

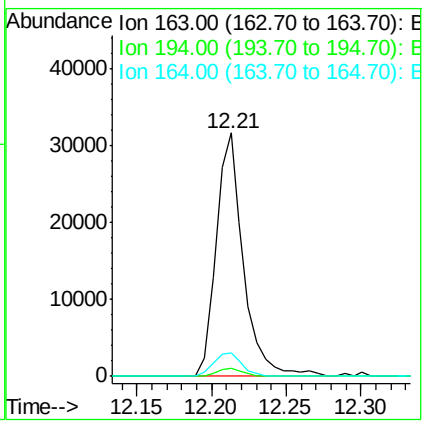




#49
Dimethylphthalate
Concen: 2.819 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:163 Resp: 40304

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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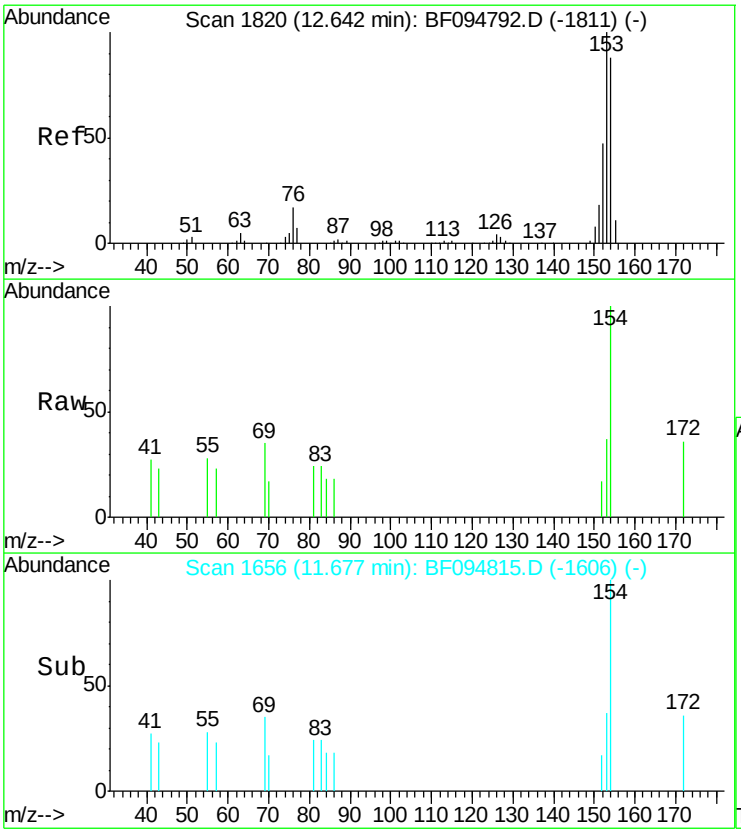
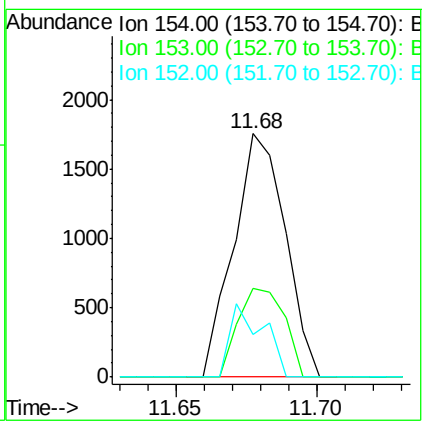
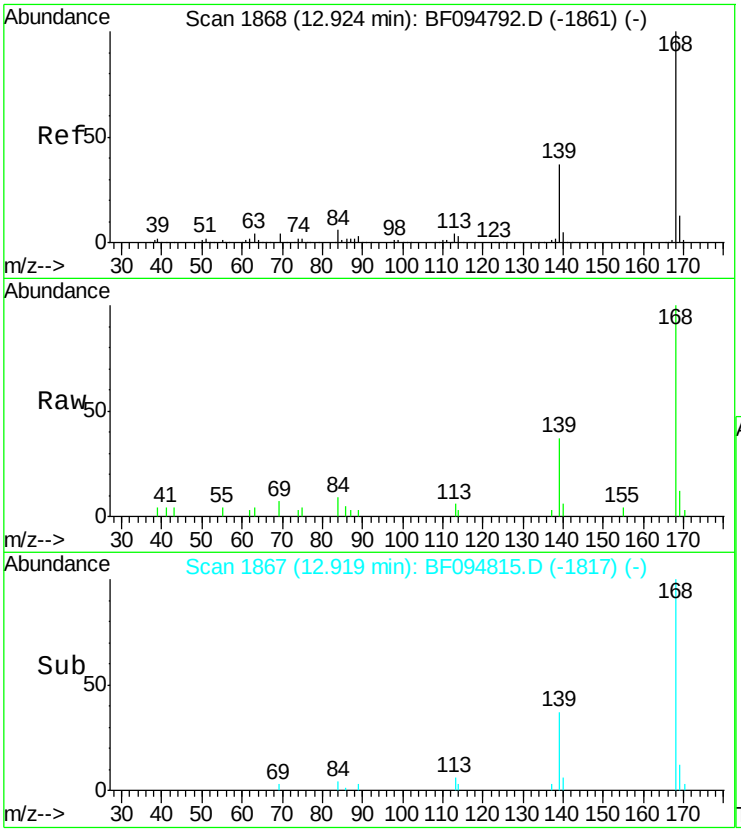


#51
Acenaphthene
Concen: 0.152 ng
RT: 11.68 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:154 Resp: 2222

Ion	Ratio	Lower	Upper
154	100		
153	36.5	90.5	135.7#
152	17.4	43.6	65.4#

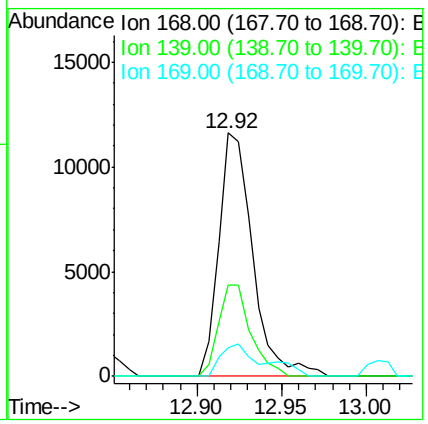




#54
Dibenzofuran
Concen: 1.060 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:168 Resp: 16242

Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.6	45.8
169	11.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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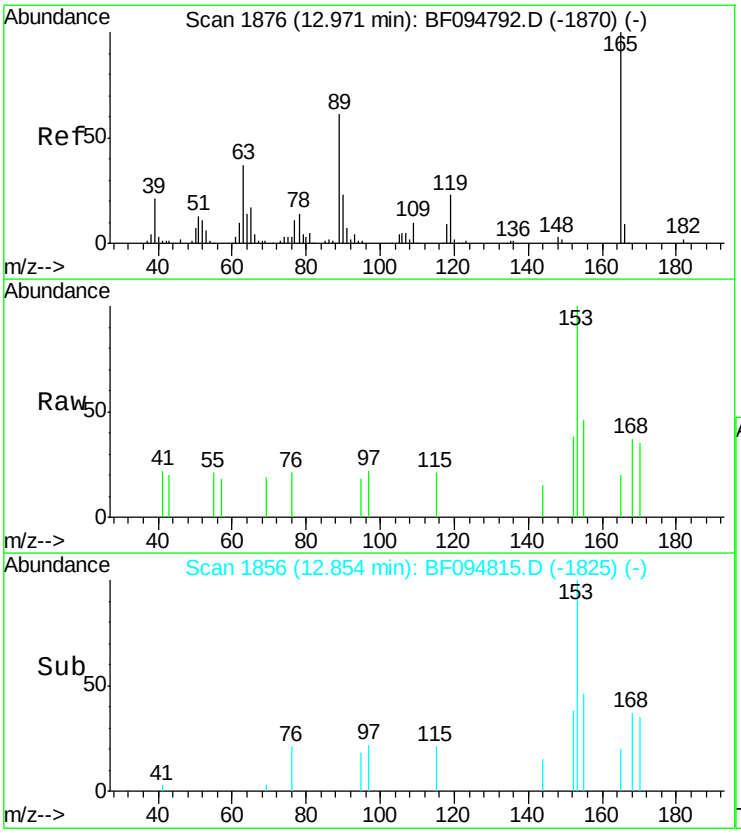
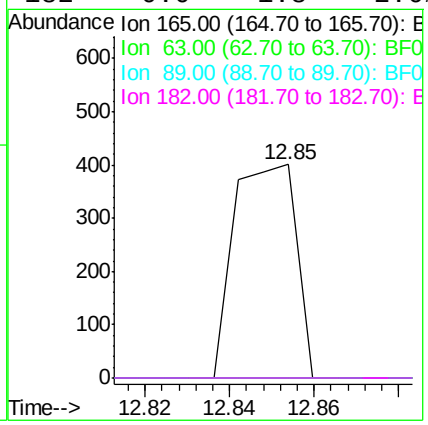
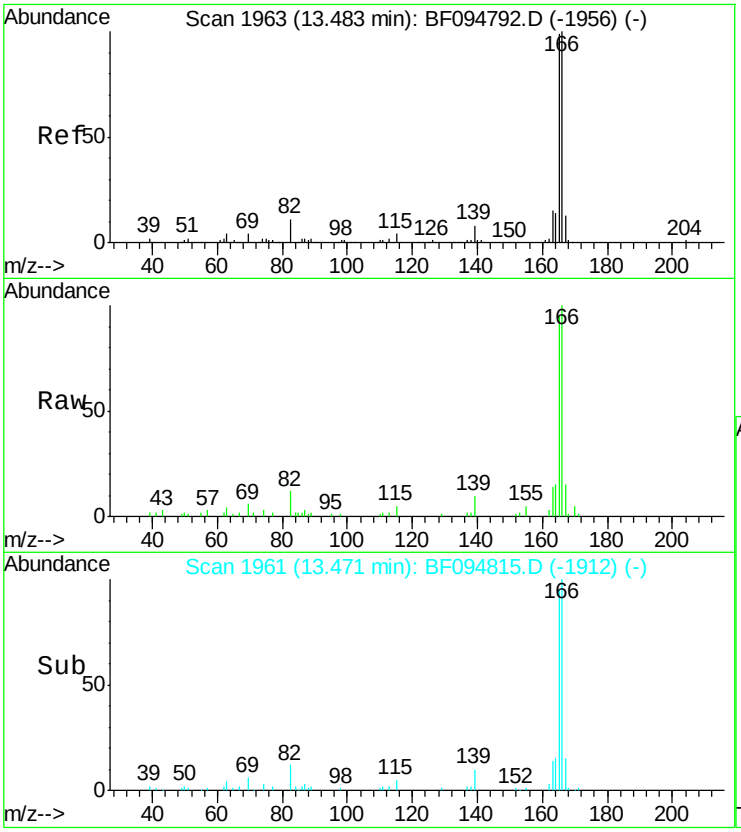


#56
2,4-Dinitrotoluene
Concen: 0.109 ng
RT: 12.85 min Scan# 1856
Delta R.T. -0.12 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:165 Resp: 410

Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

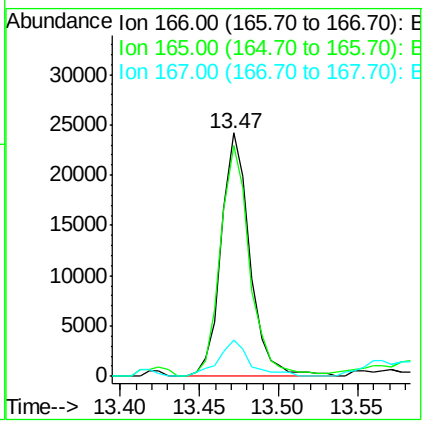




#57
Fluorene
Concen: 2.292 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:166 Resp: 30548

Ion	Ratio	Lower	Upper
166	100		
165	94.9	78.8	118.2
167	14.6	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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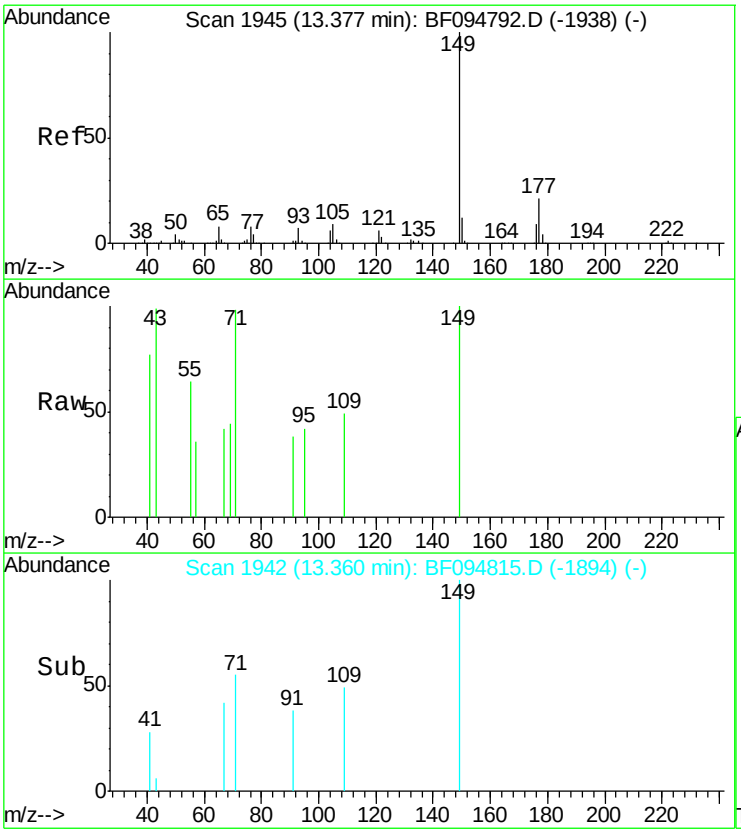
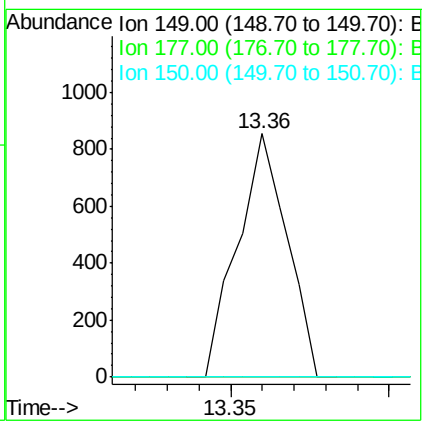
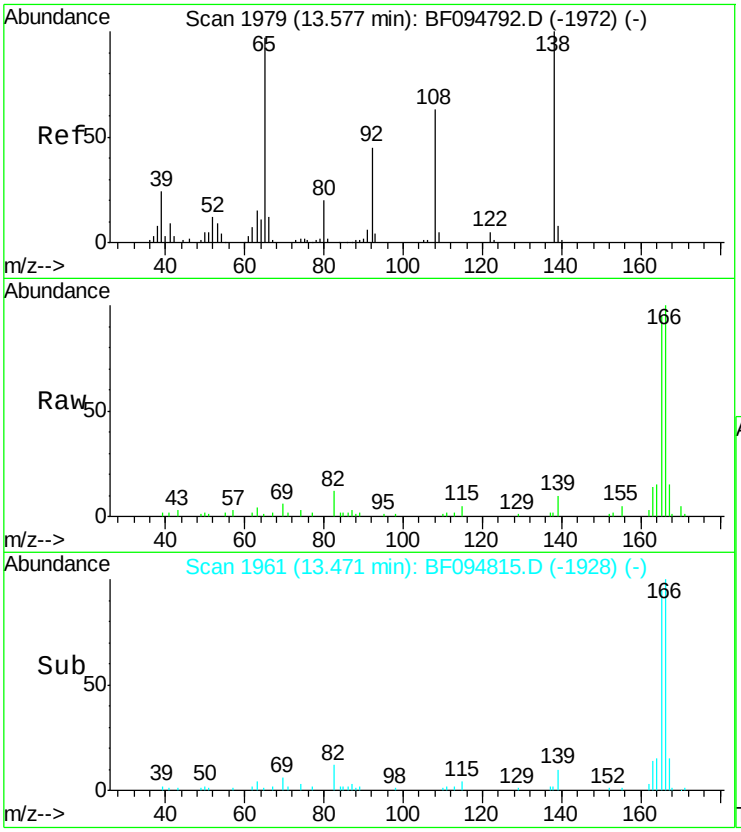


#59
Diethylphthalate
Concen: 0.068 ng
RT: 13.36 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:149 Resp: 925

Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.7	25.1#
150	0.0	10.2	15.2#





#61
4-Nitroaniline
Concen: 0.048 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.11 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:138 Resp: 137

Ion	Ratio	Lower	Upper
138	100		
92	0.0	21.8	61.8#
108	0.0	42.3	82.3#

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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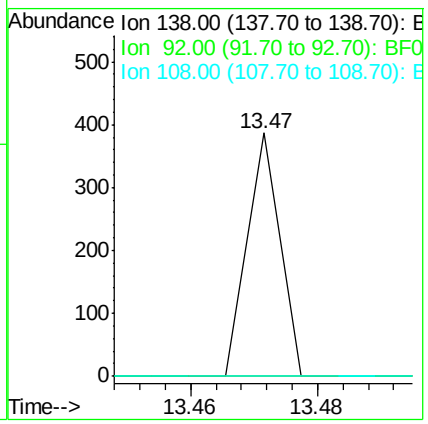
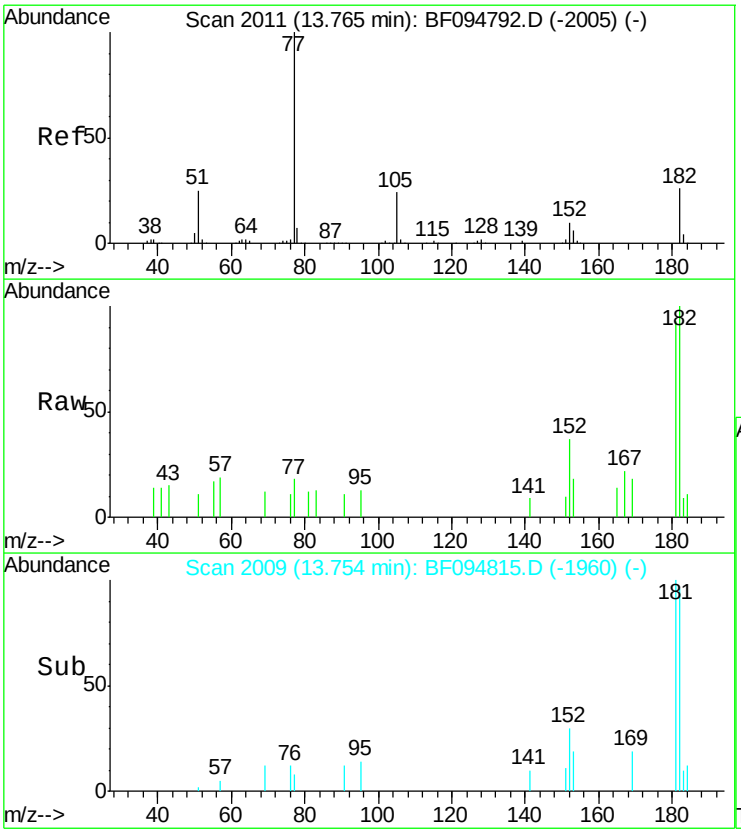
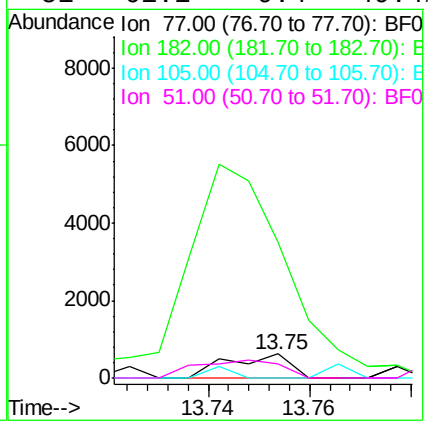


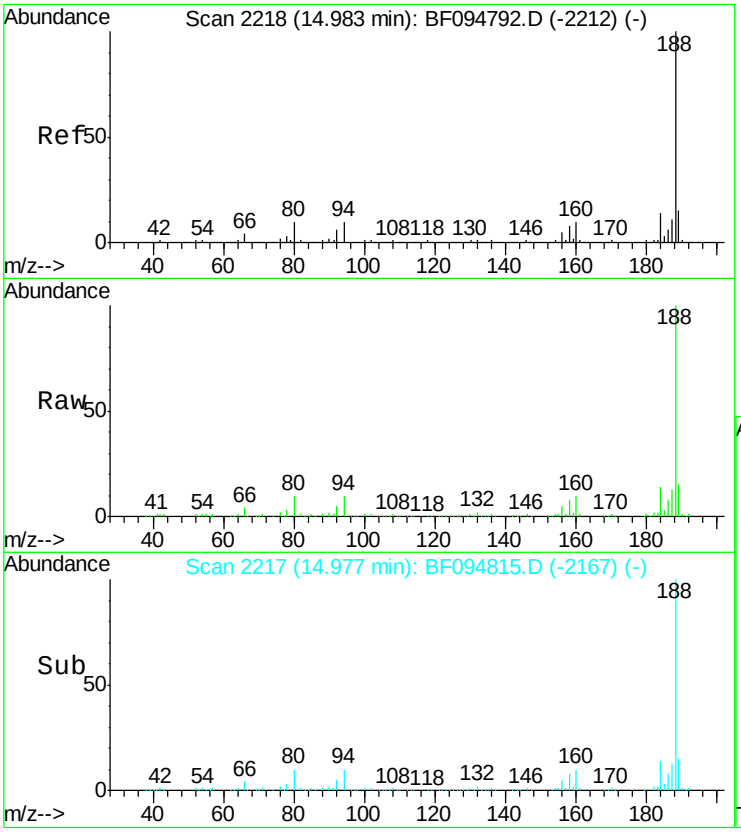


#62
Azobenzene
Concen: 0.047 ng
RT: 13.75 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion: 77 Resp: 520

Ion	Ratio	Lower	Upper
77	100		
182	571.2	0.1	40.1#
105	0.0	3.6	43.6#
51	61.1	9.4	49.4#





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.98 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:188 Resp: 283733

Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.5	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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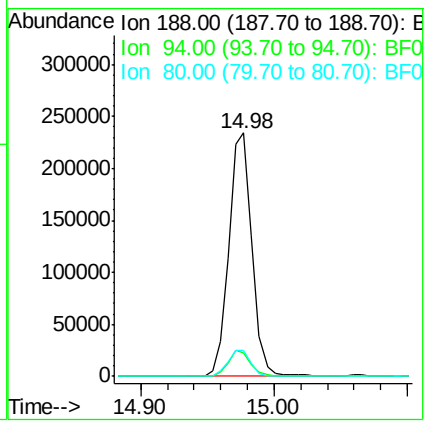
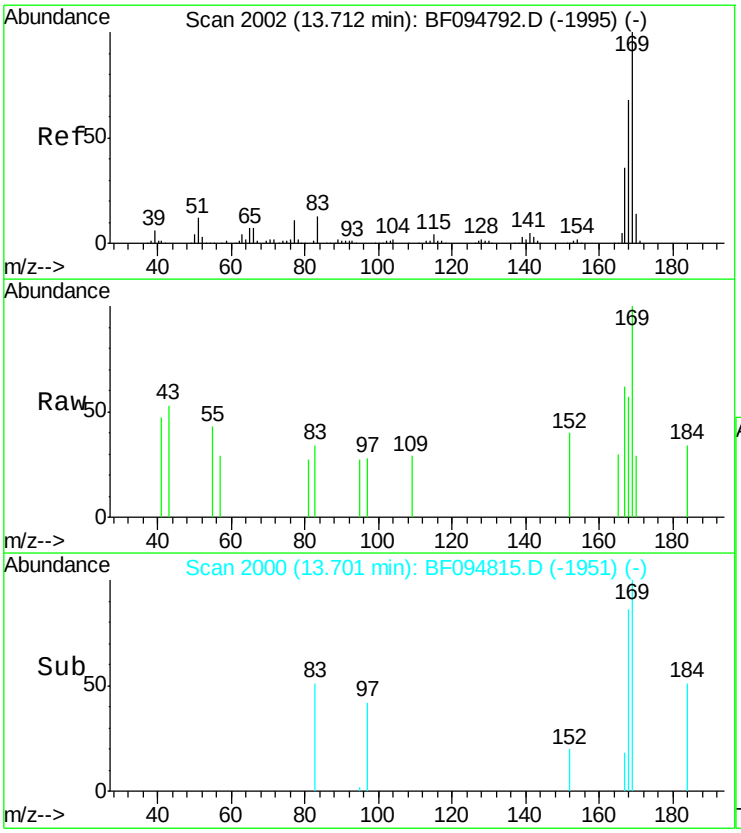
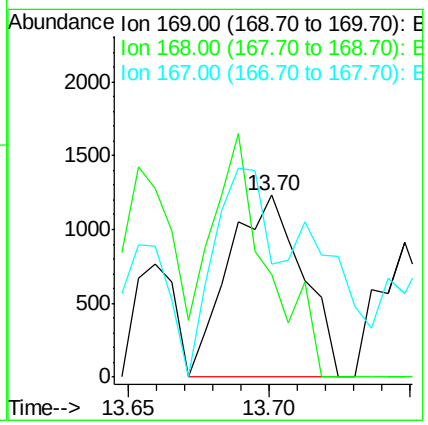


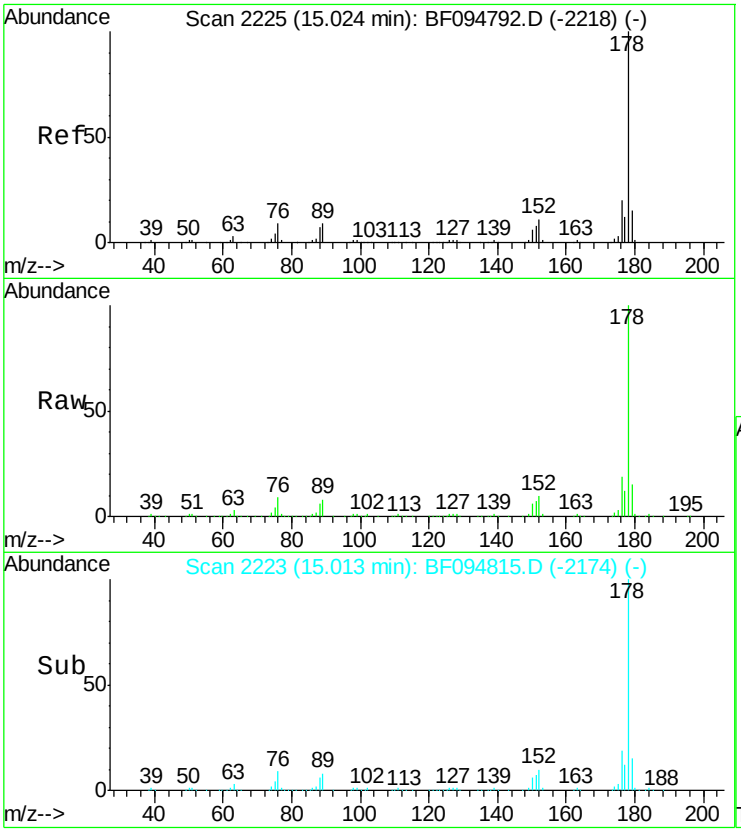


#65
n-Nitrosodiphenylamine
Concen: 0.217 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:169 Resp: 2238

Ion	Ratio	Lower	Upper
169	100		
168	56.6	53.2	79.8
167	62.4	29.5	44.3#

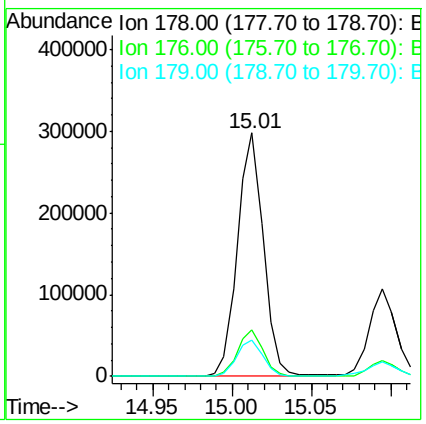




#70
Phenanthrene
Concen: 20.763 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:178 Resp: 338485

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.0	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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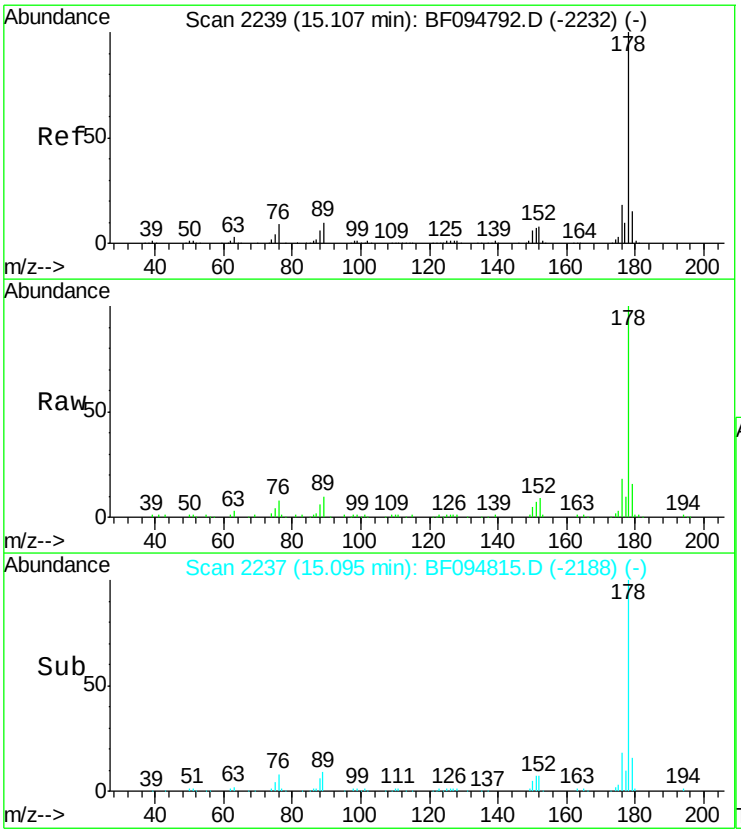
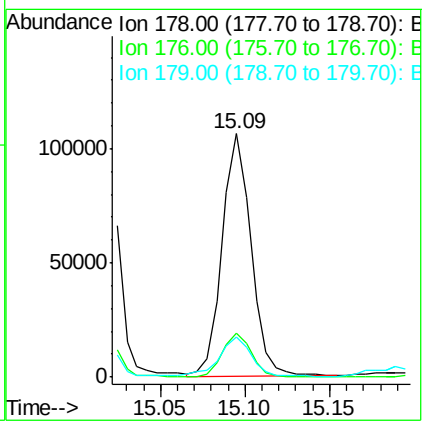
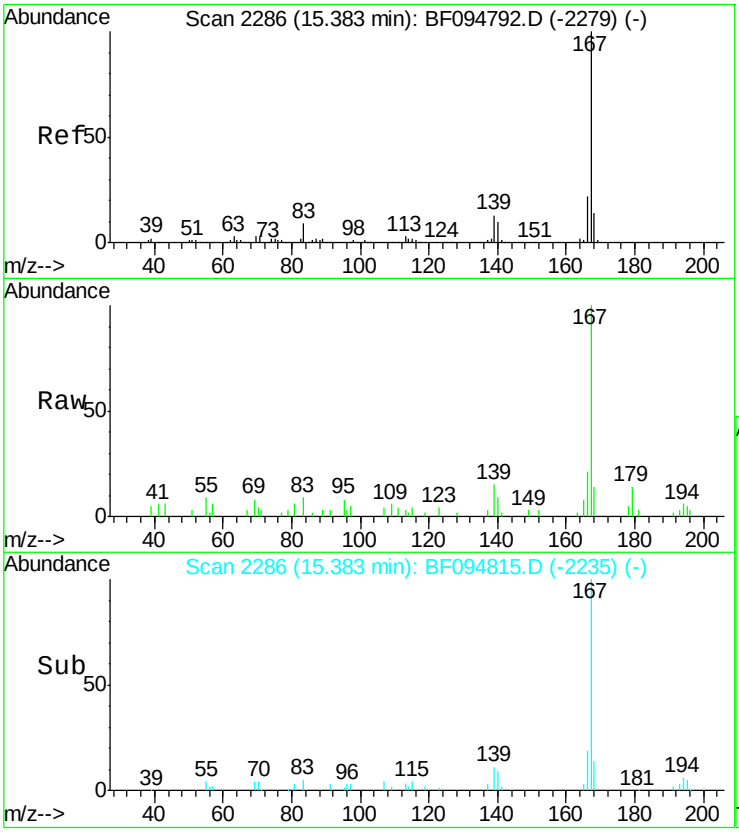


#71
Anthracene
Concen: 7.579 ng
RT: 15.09 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:178 Resp: 126211

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	16.3	12.7	19.1

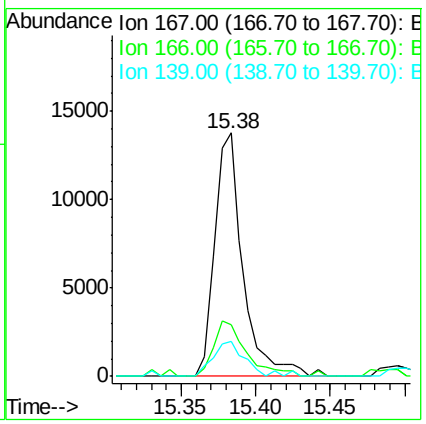




#72
Carbazole
Concen: 1.203 ng
RT: 15.38 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:167 Resp: 18233

Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.1	27.1
139	14.6	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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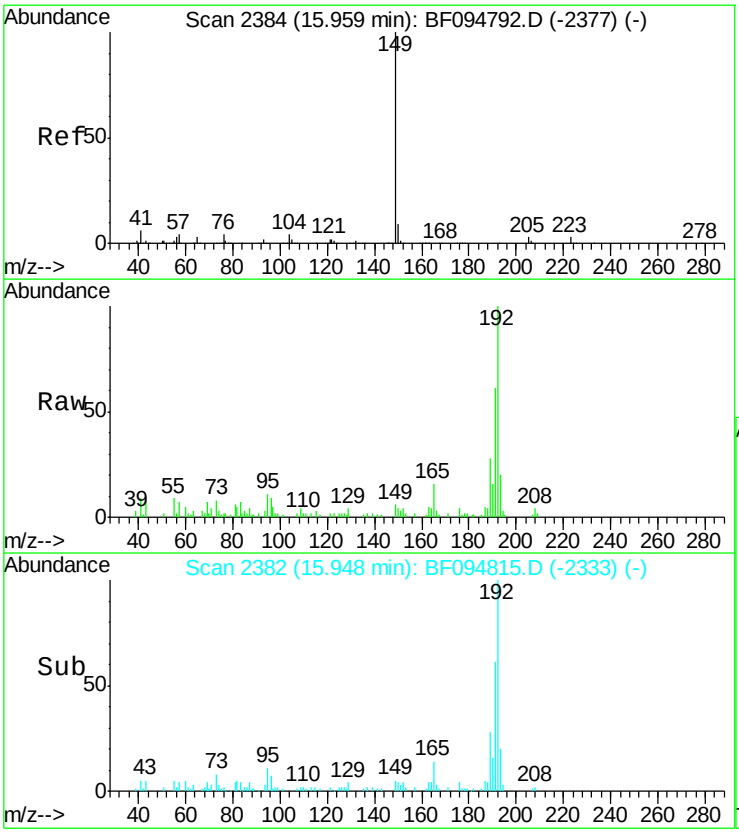
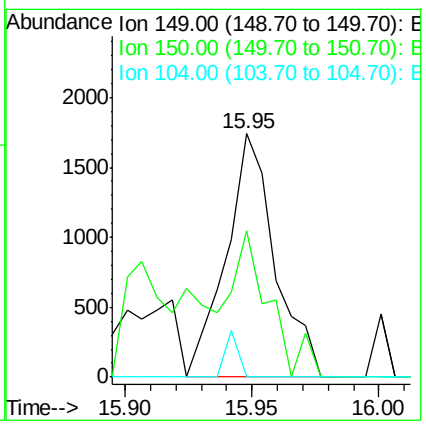
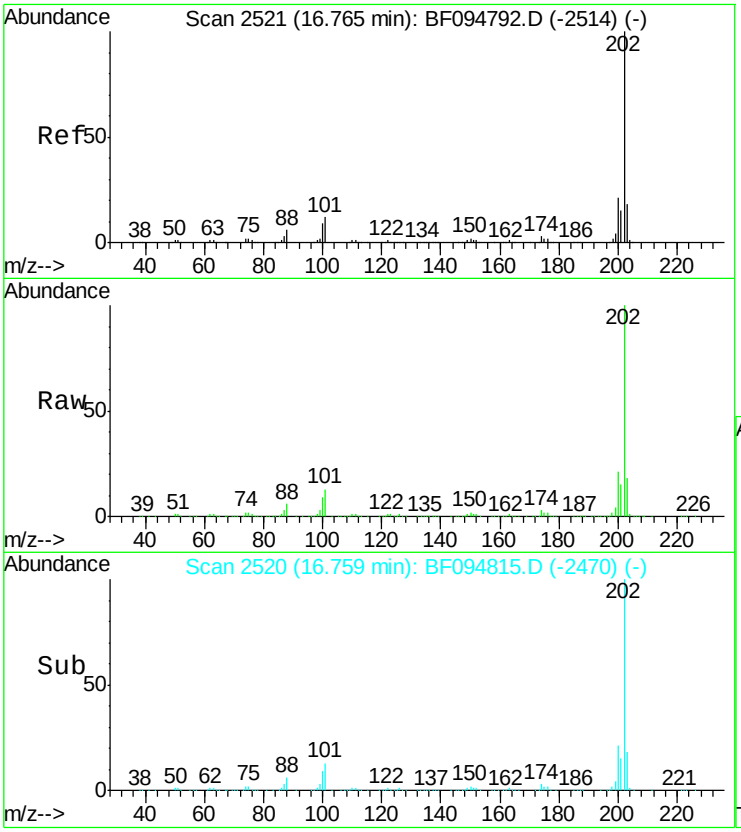


#73
Di-n-butylphthalate
Concen: 0.124 ng
RT: 15.95 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:149 Resp: 2338

Ion	Ratio	Lower	Upper
149	100		
150	60.3	7.7	11.5#
104	0.0	4.0	6.0#

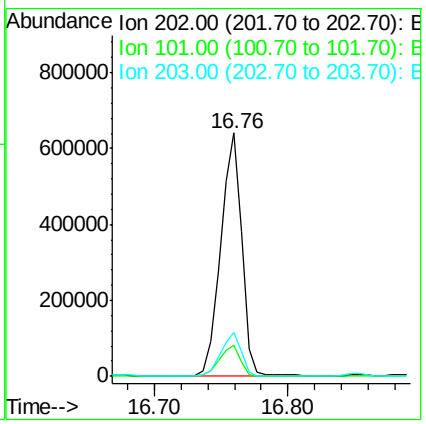




#74
Fluoranthene
Concen: 43.070 ng
RT: 16.76 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:202 Resp: 720266

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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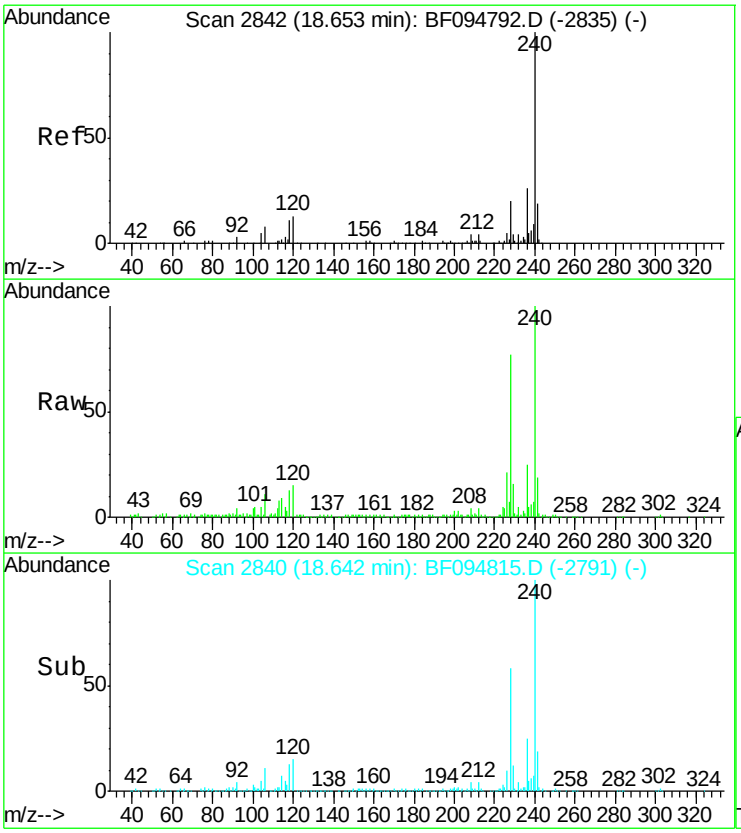
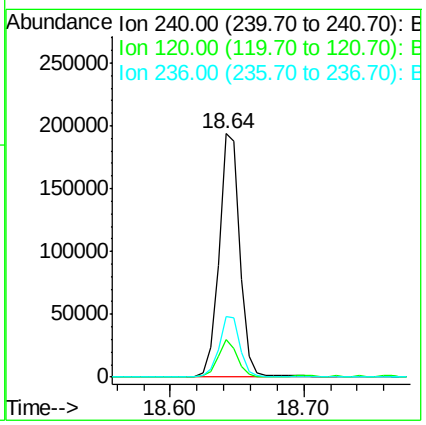
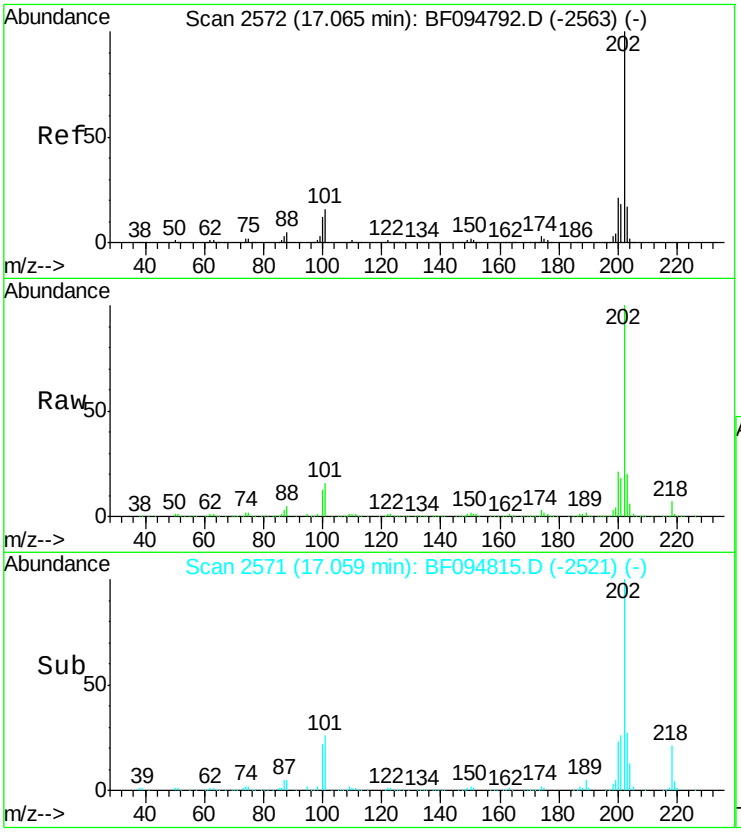


#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.64 min Scan# 2840
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:240 Resp: 211799

Ion	Ratio	Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	24.8	20.5	30.7

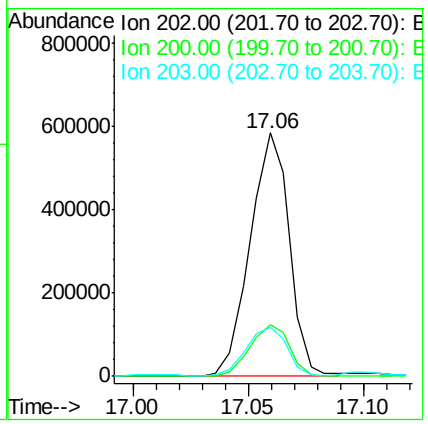




#77
Pyrene
Concen: 43.517 ng
RT: 17.06 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:202 Resp: 689318

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	20.4	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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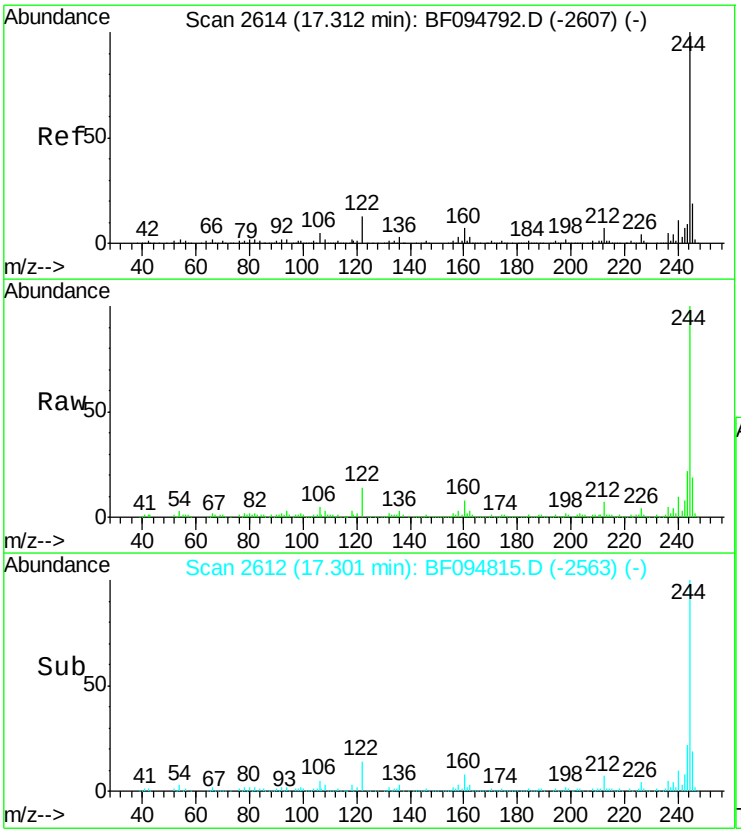
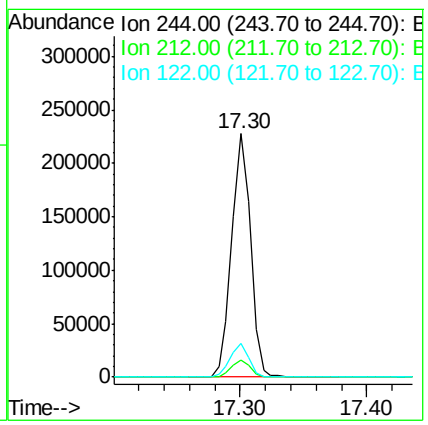
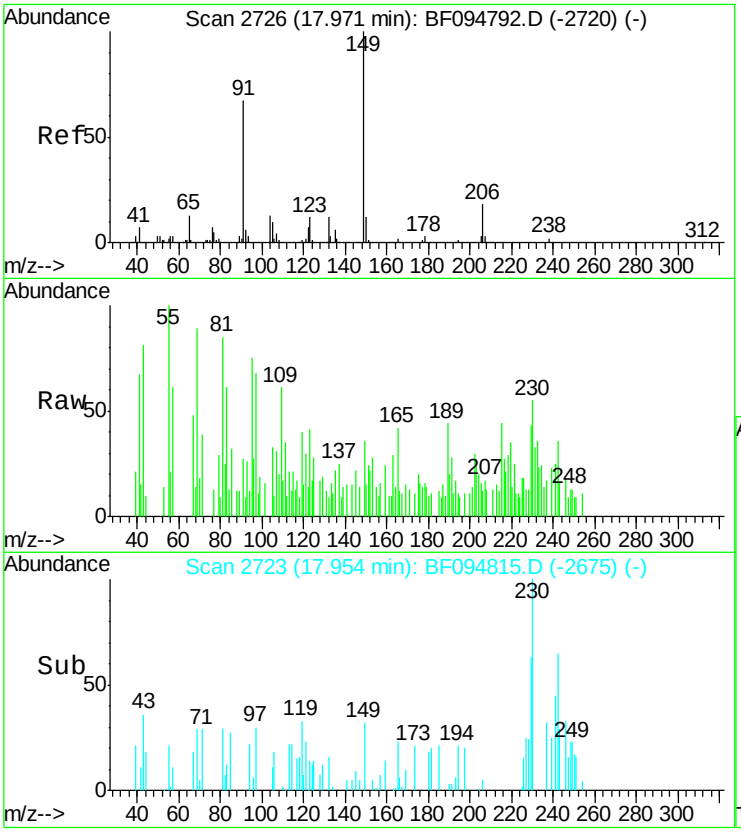


#78
Terphenyl-d14
Concen: 24.302 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:244 Resp: 233691

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.9	10.3	15.5





#79
Butylbenzylphthalate
Concen: 0.065 ng
RT: 17.95 min Scan# 2723
Delta R.T. -0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:149 Resp: 479

Ion	Ratio	Lower	Upper
149	100		
91	75.9	45.0	67.4#
206	33.6	17.0	25.6#

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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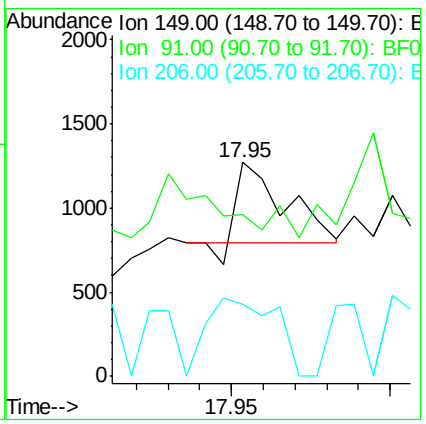
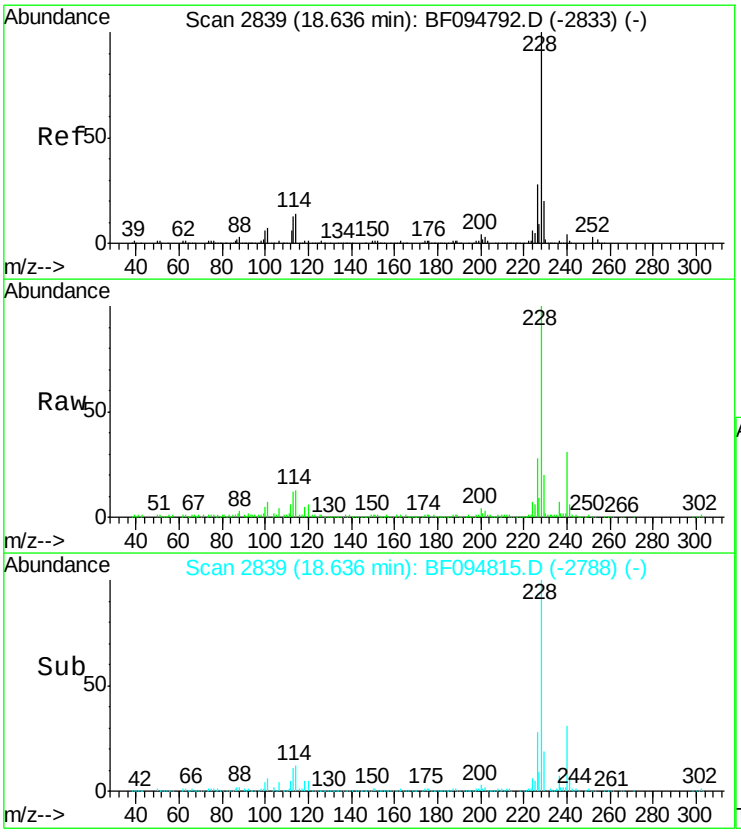
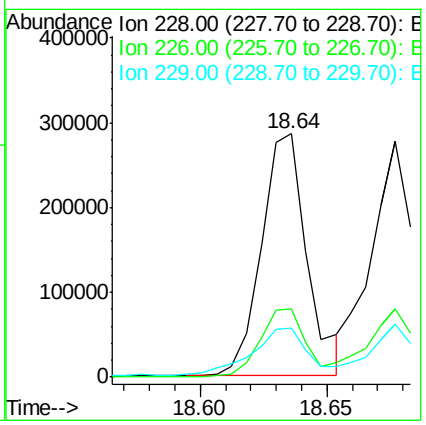


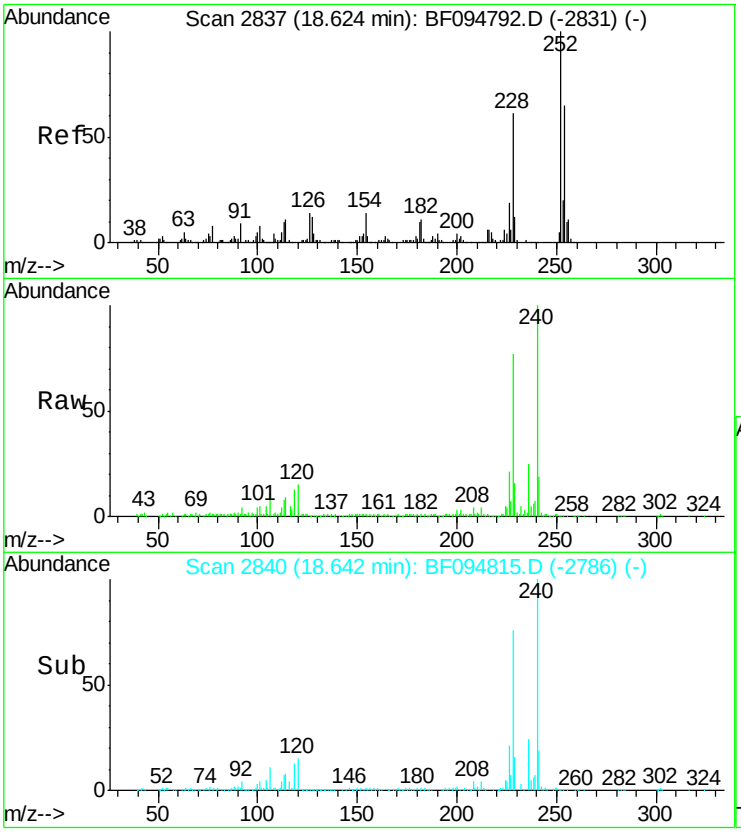


#80
Benzo(a)anthracene
Concen: 29.214 ng
RT: 18.64 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:228 Resp: 360111

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.3	16.3	24.5





#81
3,3'-Dichlorobenzidine
Concen: 0.394 ng
RT: 18.64 min Scan# 2840
Delta R.T. 0.02 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:252 Resp: 1677

Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.5	77.3#
126	141.8	15.8	23.8#

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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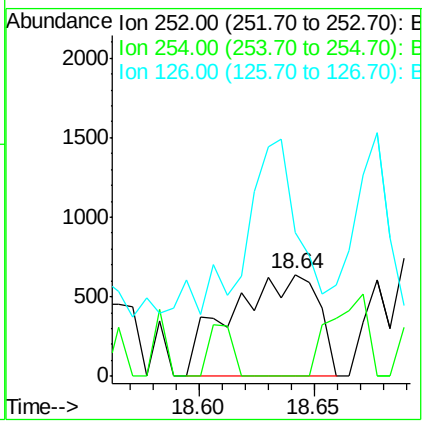
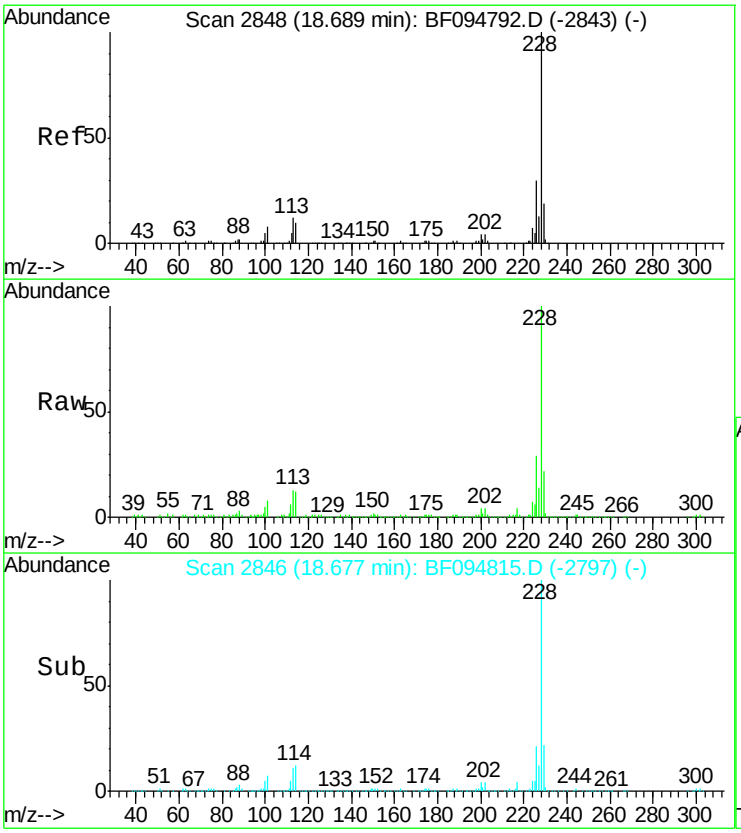
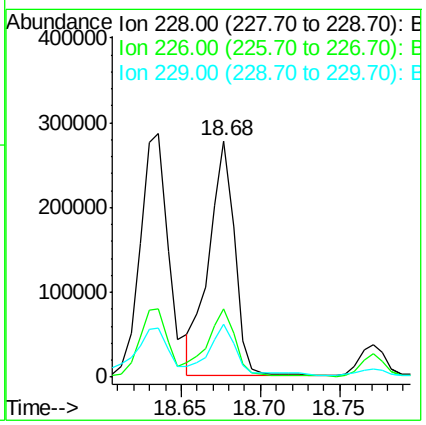


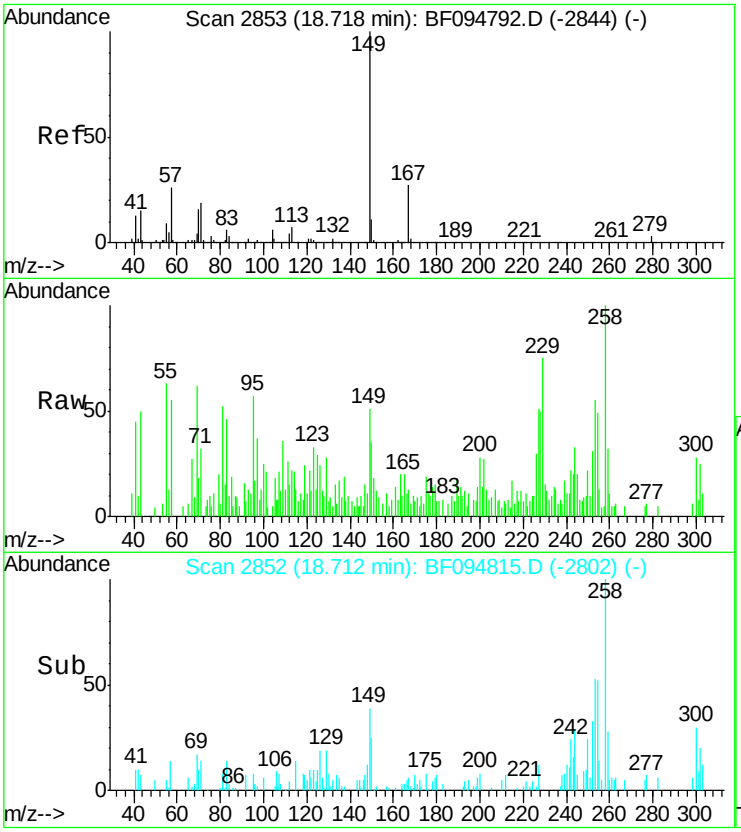


#82
Chrysene
Concen: 26.492 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:228 Resp: 315759

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.9	37.3
229	22.3	15.8	23.6





#83
Bis(2-ethylhexyl)phthalate
Concen: 0.241 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:149 Resp: 2525

Ion	Ratio	Lower	Upper
149	100		
167	24.8	21.0	31.4
279	0.0	1.9	2.9#

Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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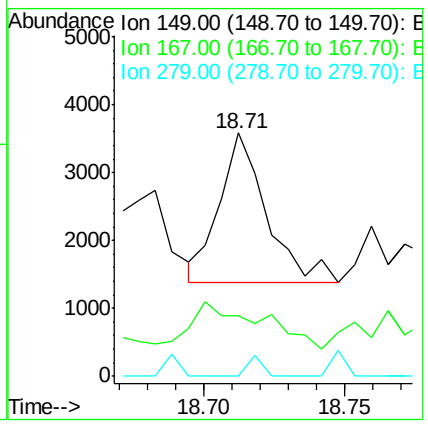
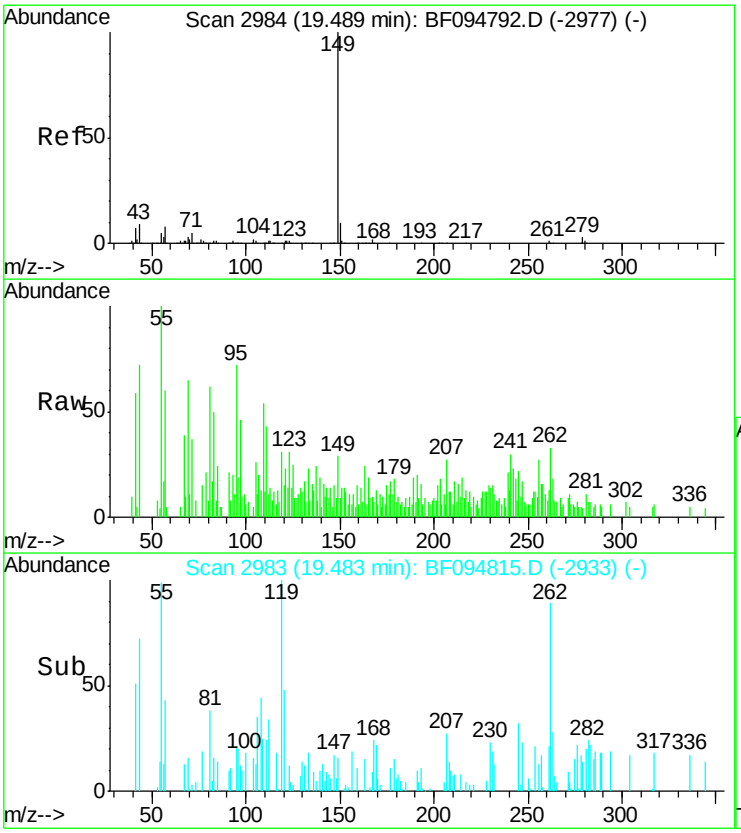
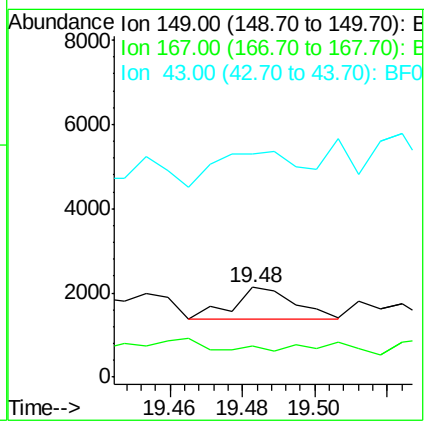


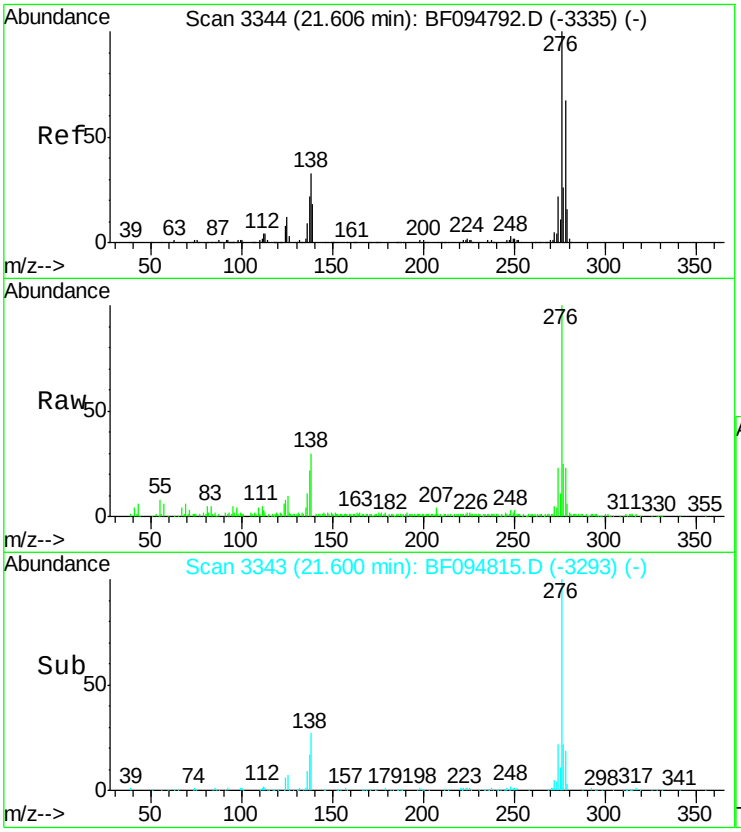


#84
Di-n-octyl phthalate
Concen: 0.052 ng
RT: 19.48 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:149 Resp: 899

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	151.6	8.5	12.7#

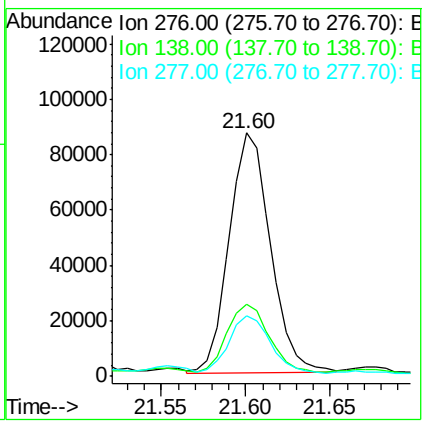




#85
Indeno(1,2,3-cd)pyrene
Concen: 15.221 ng
RT: 21.60 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:276 Resp: 147326

Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	24.2	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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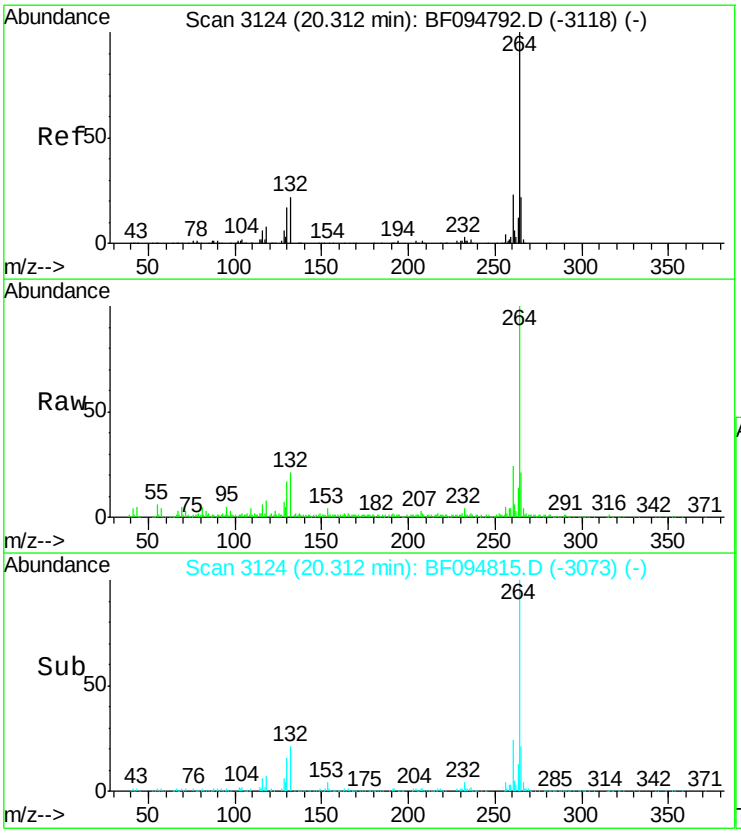
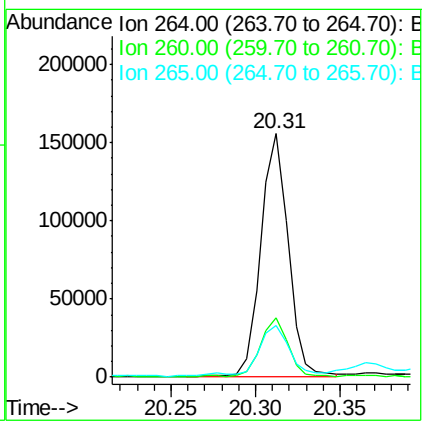
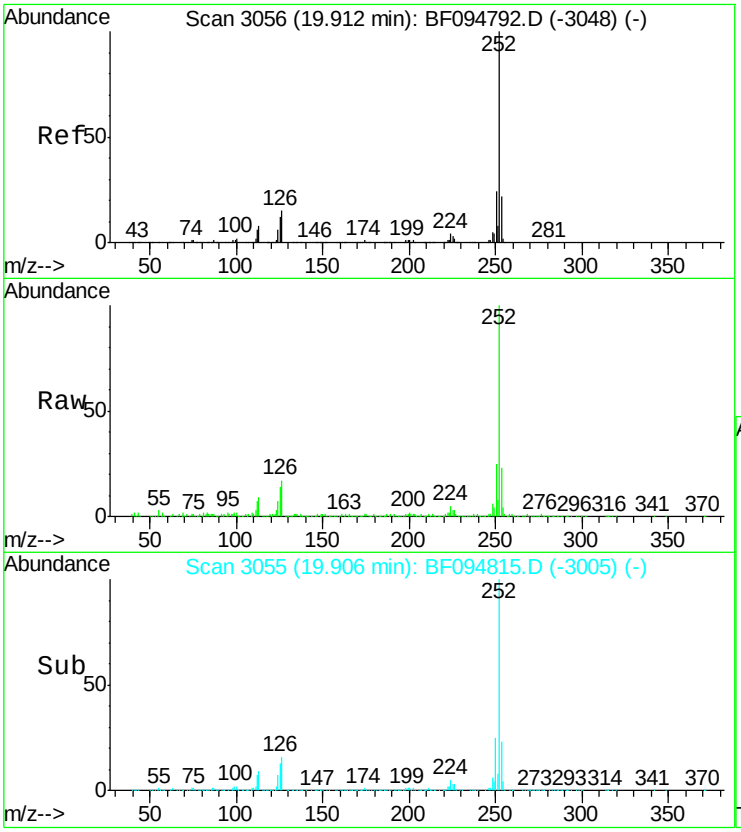


#86
Perylene-d12
Concen: 20.000 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:264 Resp: 173995

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.3	17.2	25.8

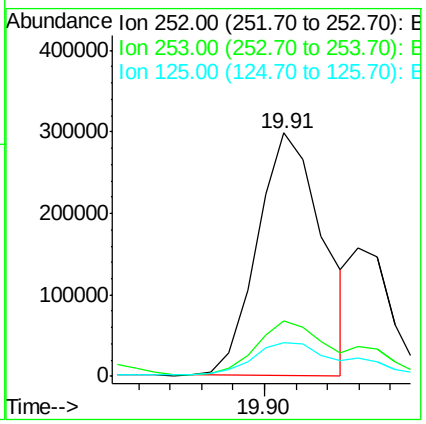




#87
Benzo(b)fluoranthene
Concen: 40.187 ng m
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:252 Resp: 432062

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.0	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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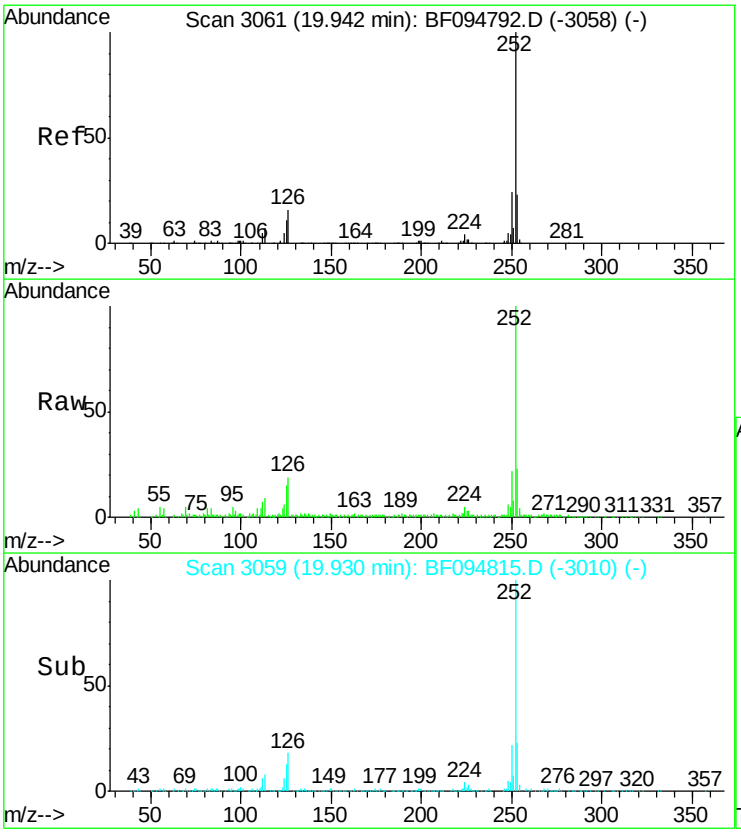
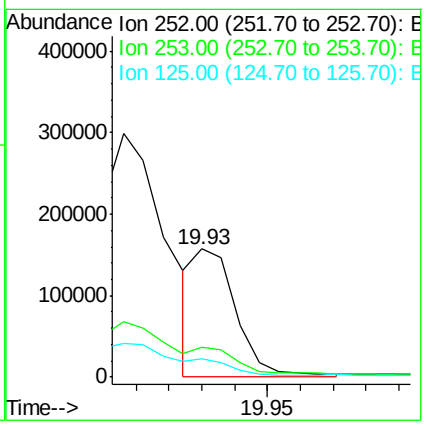
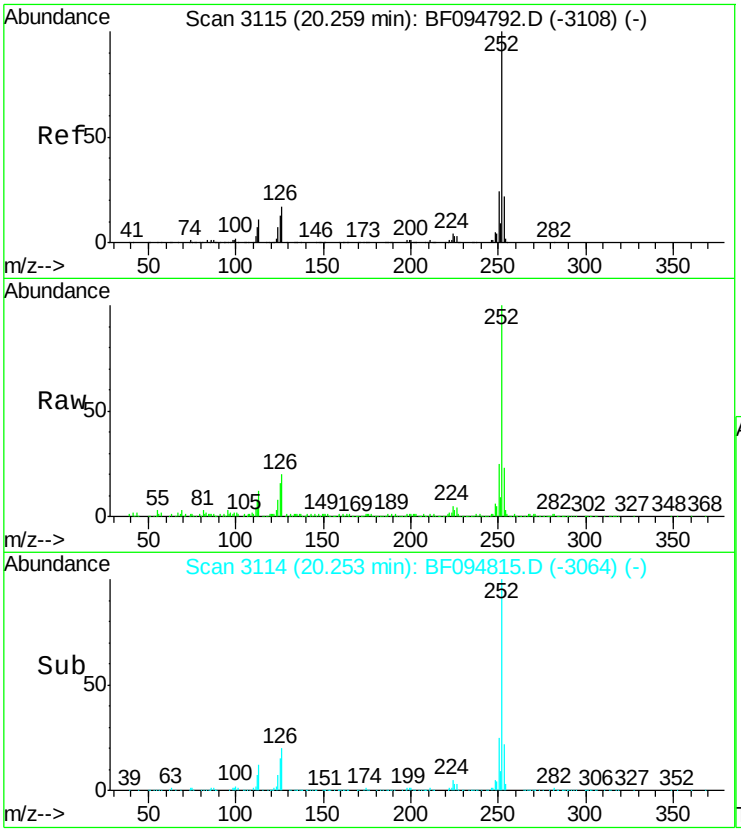


#88
Benzo(k)fluoranthene
Concen: 13.624 ng m
RT: 19.93 min Scan# 3059
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:252 Resp: 141289

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	14.7	13.1	19.7

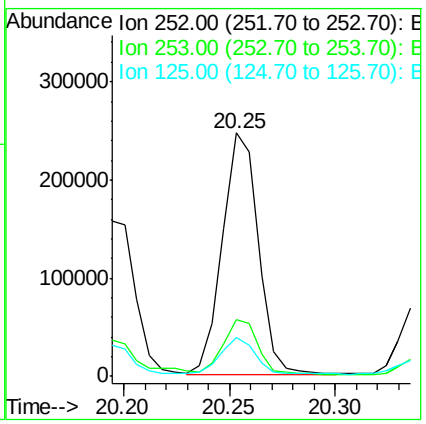




#89
Benzo(a)pyrene
Concen: 29.347 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:252 Resp: 291147

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	15.9	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

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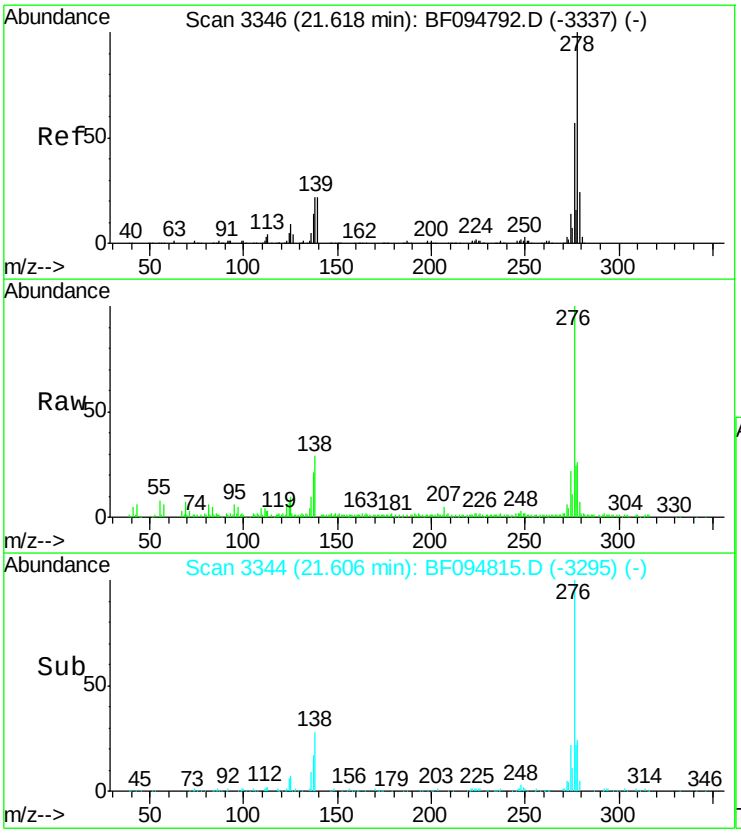
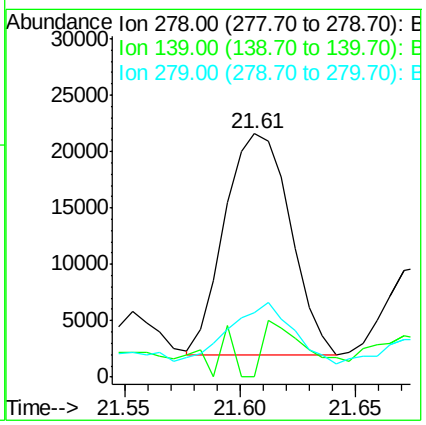
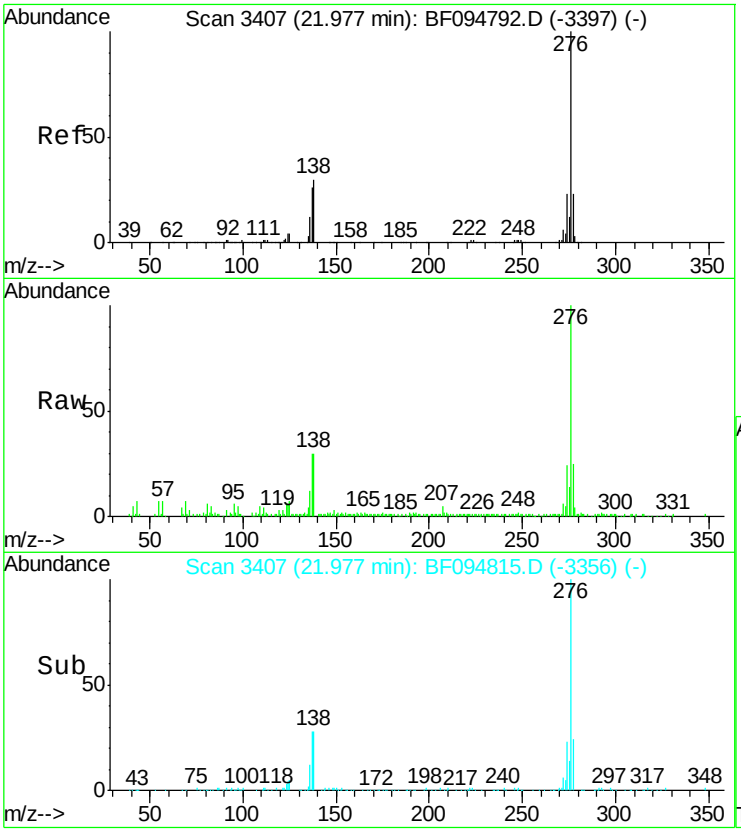


#90
Dibenzo(a,h)anthracene
Concen: 4.728 ng
RT: 21.61 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:278 Resp: 38741

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.4	19.3	28.9

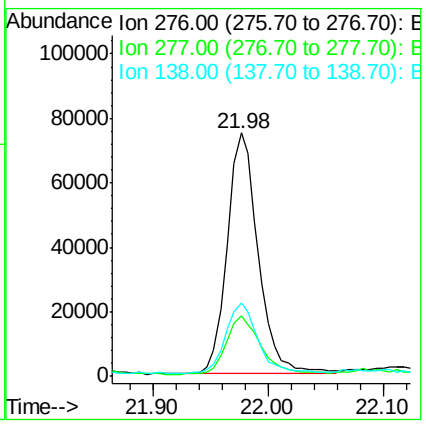




#91
Benzo(g,h,i)perylene
Concen: 17.386 ng
RT: 21.98 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BF094815.D
Acq: 3 May 2017 2:48

Tgt Ion:276 Resp: 139789

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	30.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
72-11930/72-11937/VNJ-239

Manual Integrations APPROVED
mohammad
5/4/2017 1:45:14 PM