Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
Data File : BF094816.D
Acq On : 3 May 2017 3:20
Operator : SJ/MA
Sample : I2920-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 03 04:57:35 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 :
VNJ-210/72-11940/72-11932

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	99250	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	373345	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	154051	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	258617	20.00	ng	0.00
75) Chrysene-d12	18.65	240	221478	20.00	ng	0.00
86) Perylene-d12	20.31	264	179833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	122267	20.54	ng	0.00
7) Phenol-d6	7.27	99	148146	20.74	ng	-0.01
23) Nitrobenzene-d5	8.61	82	86131	14.55	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	23771	18.84	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	181827	16.99	ng	-0.01
78) Terphenyl-d14	17.30	244	119400	11.87	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.10	88	240	0.082	ng	# 28
10) Phenol	7.28	94	1108	0.147	ng	# 1
15) Benzyl Alcohol	7.96	79	1391	0.303	ng	# 56
25) Isophorone	8.88	82	143	0.014	ng	# 67
31) Naphthalene	9.78	128	4240	0.226	ng	# 87
33) 4-Chloroaniline	9.78	127	220	0.031	ng	# 42
37) 2-Methylnaphthalene	10.92	142	1530	0.124	ng	# 75
45) 1,1'-Biphenyl	11.68	154	388	0.030	ng	# 42
48) Acenaphthylene	12.35	152	8087	0.493	ng	99
49) Dimethylphthalate	12.21	163	17784	1.406	ng	99
51) Acenaphthene	11.68	154	388	0.030	ng	# 4
54) Dibenzofuran	12.92	168	3386	0.250	ng	# 90
55) 4-Nitrophenol	12.92	139	1487	0.894	ng	# 25
56) 2,4-Dinitrotoluene	12.85	165	231	0.070	ng	# 31
57) Fluorene	13.47	166	11636	0.987	ng	# 96
59) Diethylphthalate	13.36	149	952	0.079	ng	# 71
62) Azobenzene	13.74	77	111	0.011	ng	# 1
65) n-Nitrosodiphenylamine	13.70	169	1899	0.202	ng	# 64
70) Phenanthrene	15.01	178	233053	15.684	ng	98
71) Anthracene	15.09	178	84830	5.589	ng	98
72) Carbazole	15.38	167	9698	0.702	ng	95
73) Di-n-butylphthalate	15.95	149	2033	0.118	ng	# 27
74) Fluoranthene	16.76	202	828829	54.376	ng	99
77) Pyrene	17.06	202	772999	46.667	ng	96
79) Butylbenzylphthalate	17.97	149	327	0.042	ng	# 57
80) Benzo(a)anthracene	18.64	228	459466	35.646	ng	100
81) 3,3'-Dichlorobenzidine	18.63	252	203	0.046	ng	# 1
82) Chrysene	18.68	228	403517	32.375	ng	98
83) Bis(2-ethylhexyl)phthalate	18.71	149	2864	0.261	ng	# 97
84) Di-n-octyl phthalate	19.46	149	954	0.053	ng	# 1
85) Indeno(1,2,3-cd)pyrene	21.60	276	171044	16.899	ng	96
87) Benzo(b)fluoranthene	19.91	252	491510m	44.232	ng	
88) Benzo(k)fluoranthene	19.93	252	175273m	16.352	ng	
89) Benzo(a)pyrene	20.25	252	350868	34.218	ng	97

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Misc :
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Instrument :
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ClientSampleId :
VNJ-210/72-11940/72-11932

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Quant Time: May 03 04:57:35 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	21.61	278	49915m	5.894	ng	
91) Benzo(g,h,i)perylene	21.98	276	160438	19.306	ng	97

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

Quantitation Report (LSC Reviewed)

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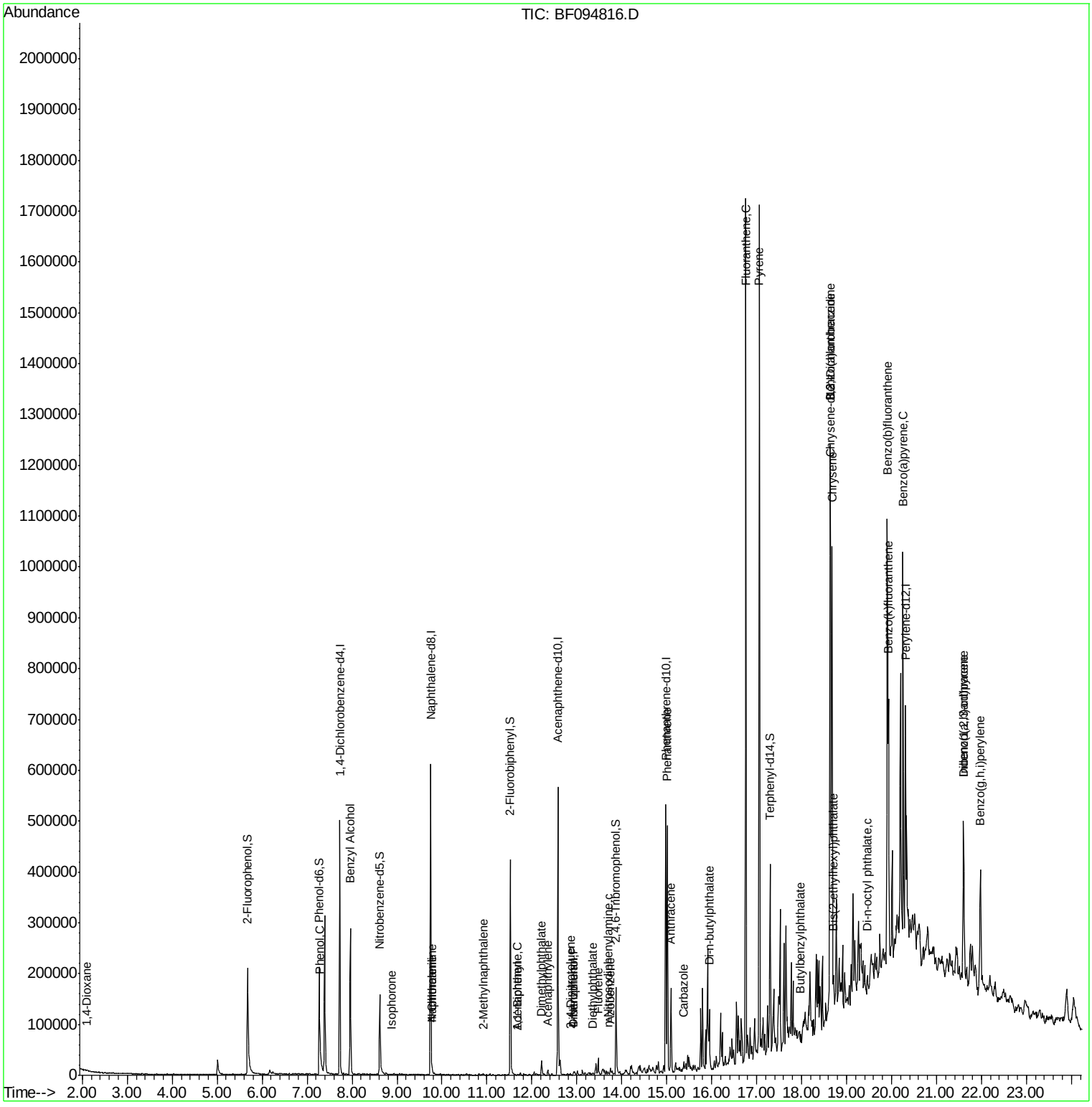
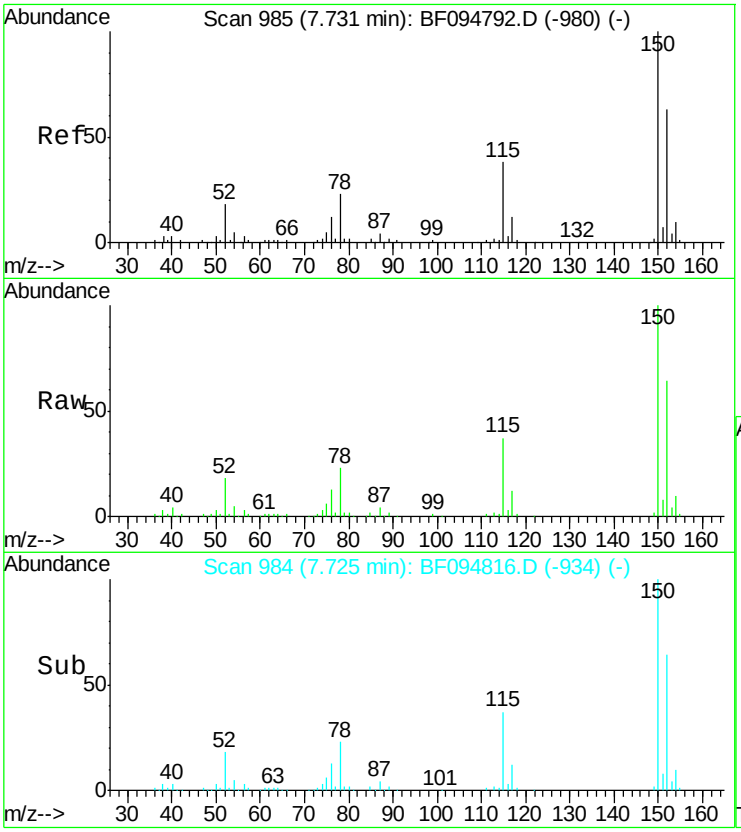
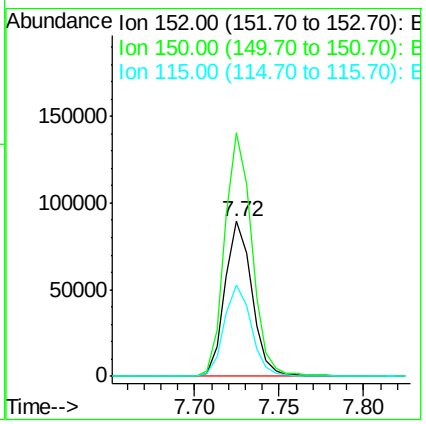




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:152 Resp: 99250

Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	59.0	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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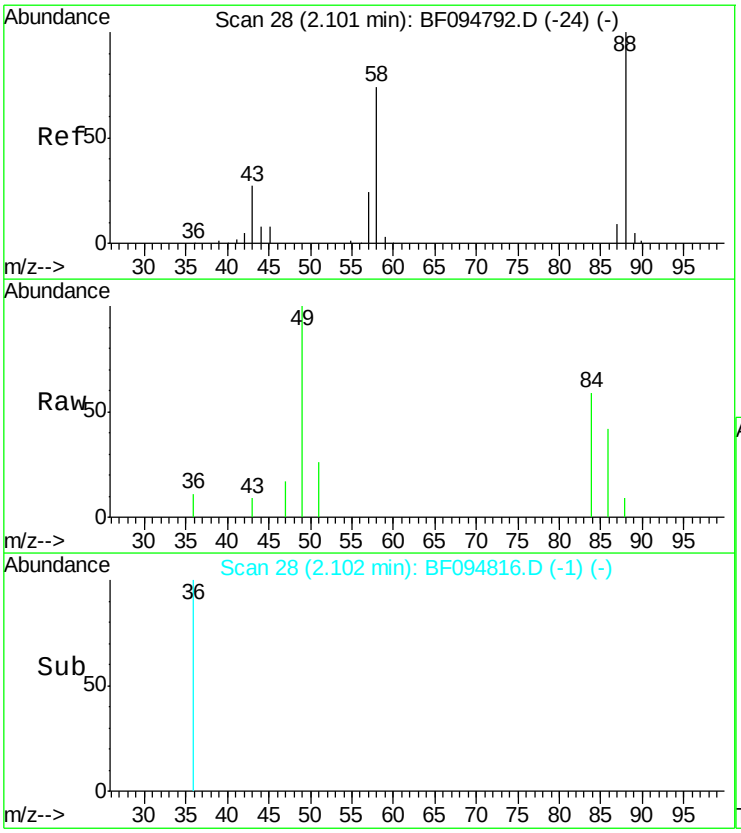
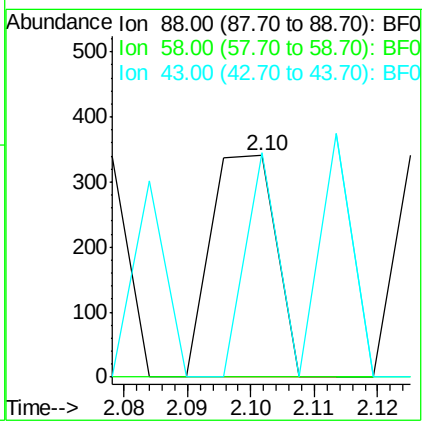
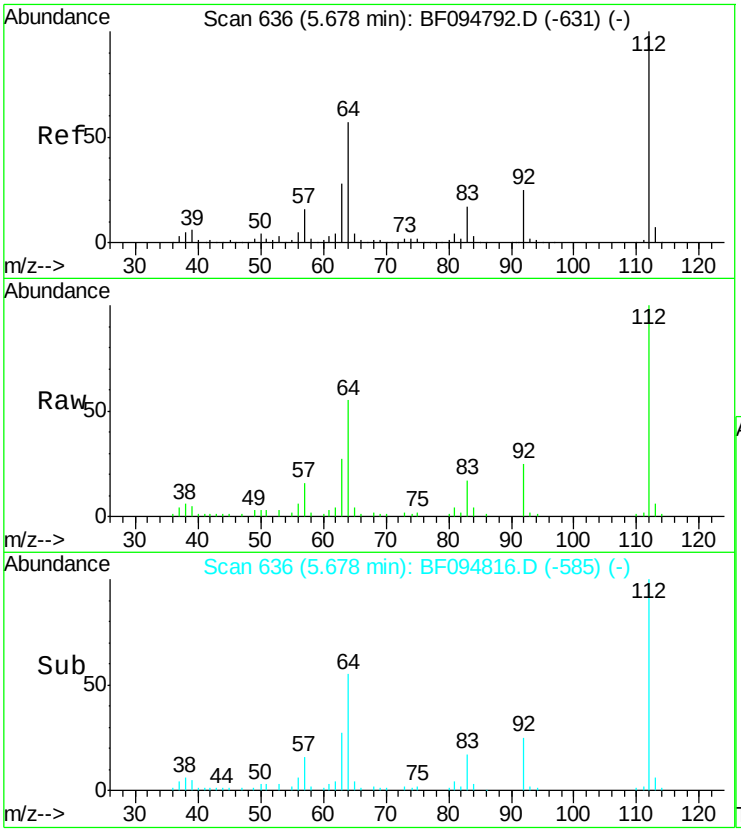


#2
1,4-Dioxane
Concen: 0.082 ng
RT: 2.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 88 Resp: 240

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	44.2	23.4	35.0#

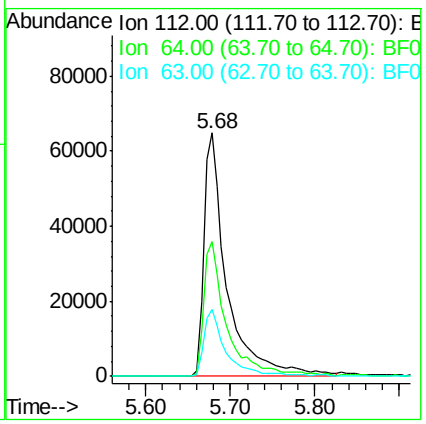




#5
2-Fluorophenol
Concen: 20.539 ng
RT: 5.68 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:112 Resp: 122267

Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	27.4	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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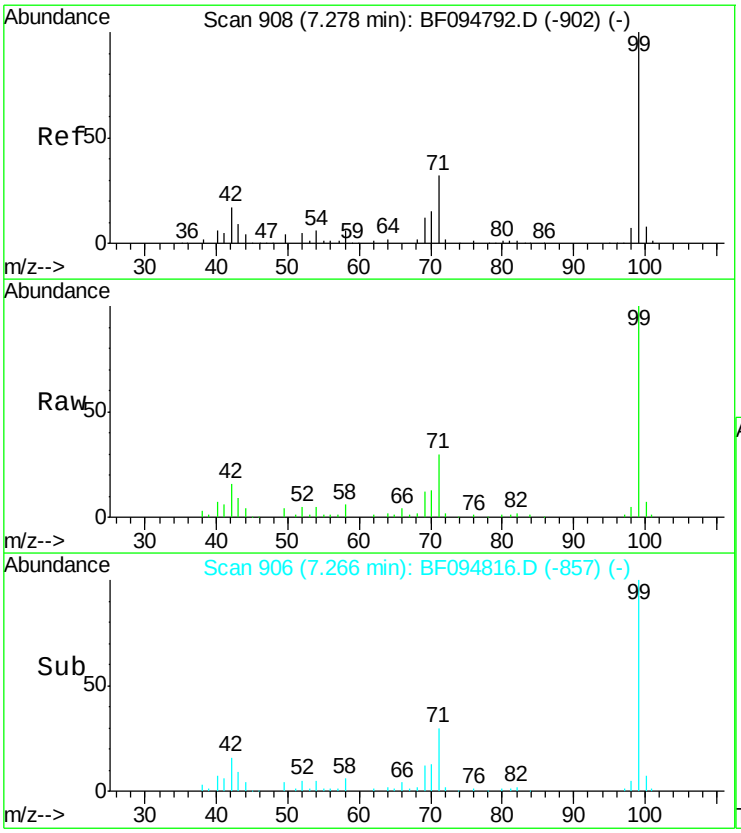
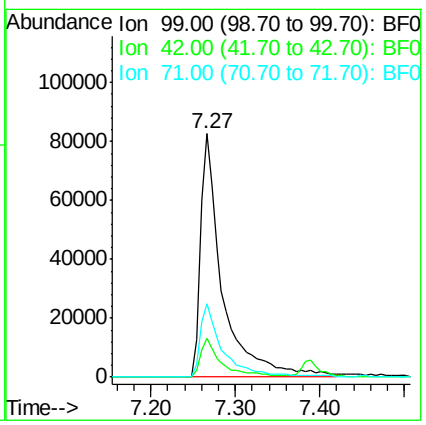
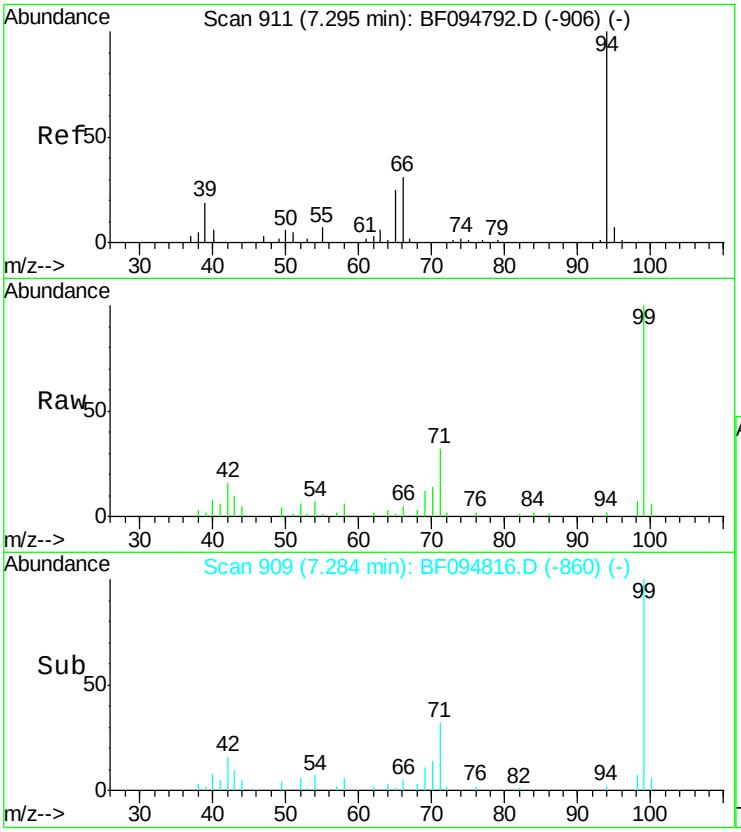


#7
Phenol-d6
Concen: 20.741 ng
RT: 7.27 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 99 Resp: 148146

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	30.1	24.5	36.7





#10
Phenol
Concen: 0.147 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 94 Resp: 1108

Ion	Ratio	Lower	Upper
94	100		
65	60.6	9.9	49.9#
66	248.5	23.1	63.1#

Instrument :
BNA_F
ClientSampleId :
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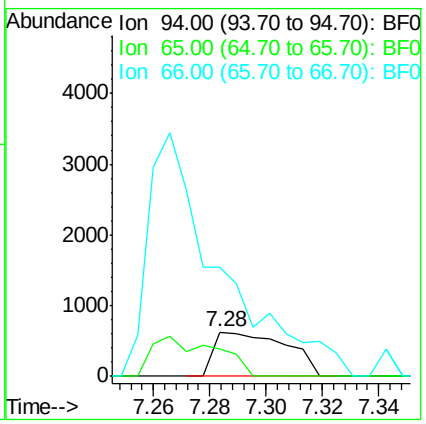
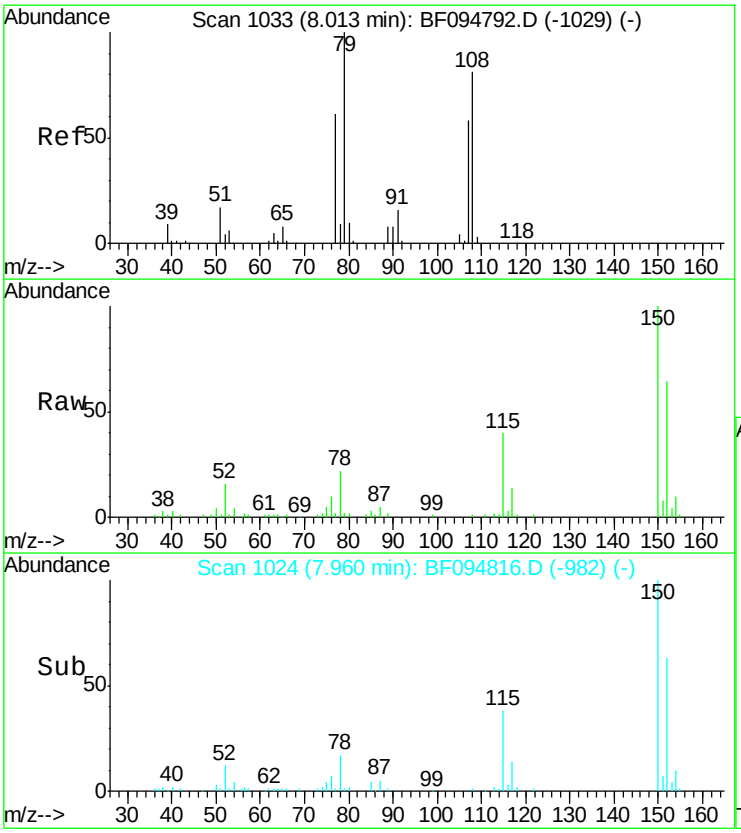
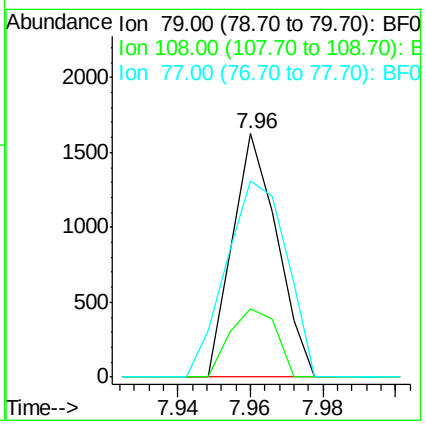


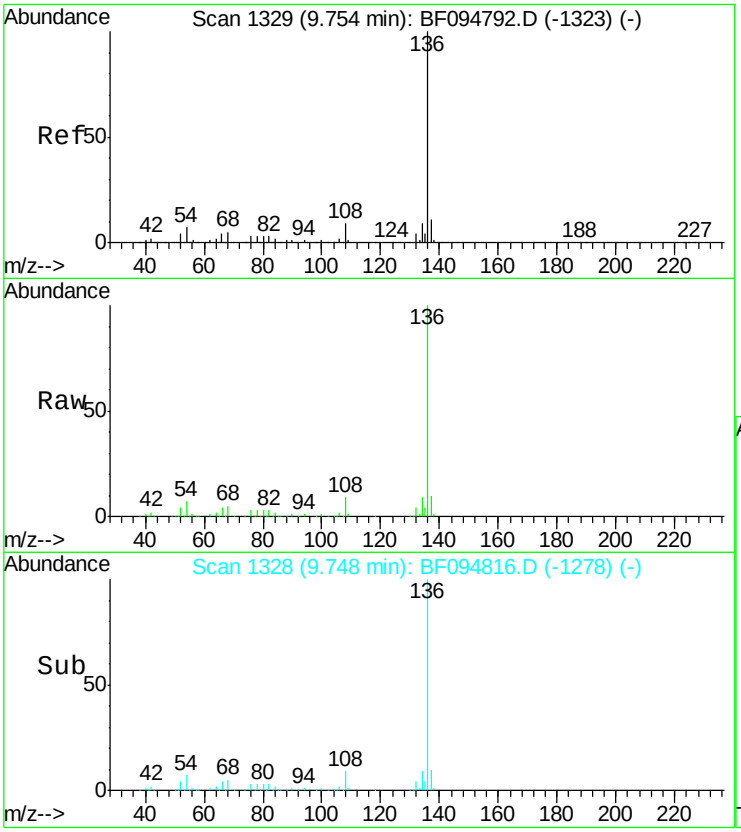


#15
Benzyl Alcohol
Concen: 0.303 ng
RT: 7.96 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 79 Resp: 1391

Ion	Ratio	Lower	Upper
79	100		
108	27.9	63.4	95.0#
77	80.5	49.2	73.8#

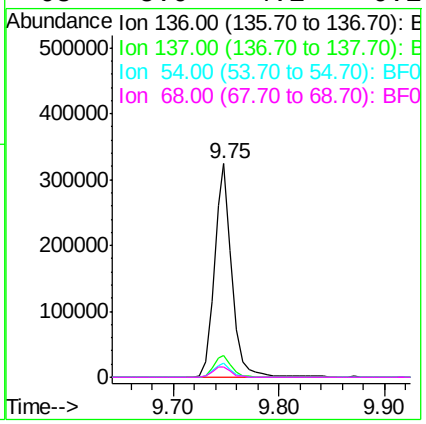




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:136 Resp: 373345

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	6.7	4.9	7.3
68	5.0	4.1	6.1



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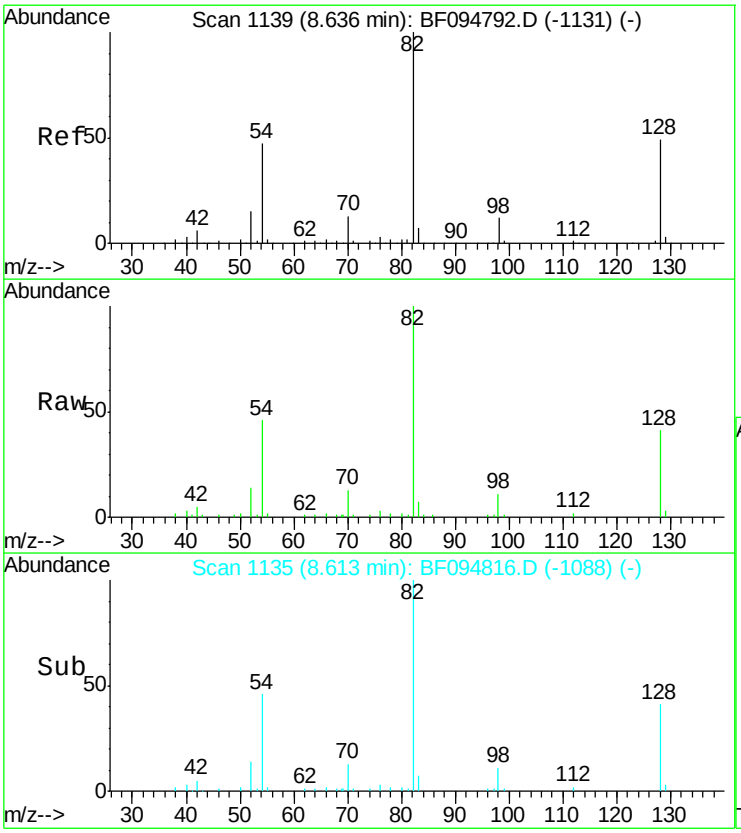
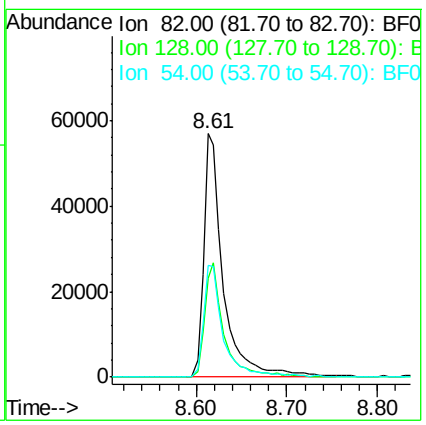
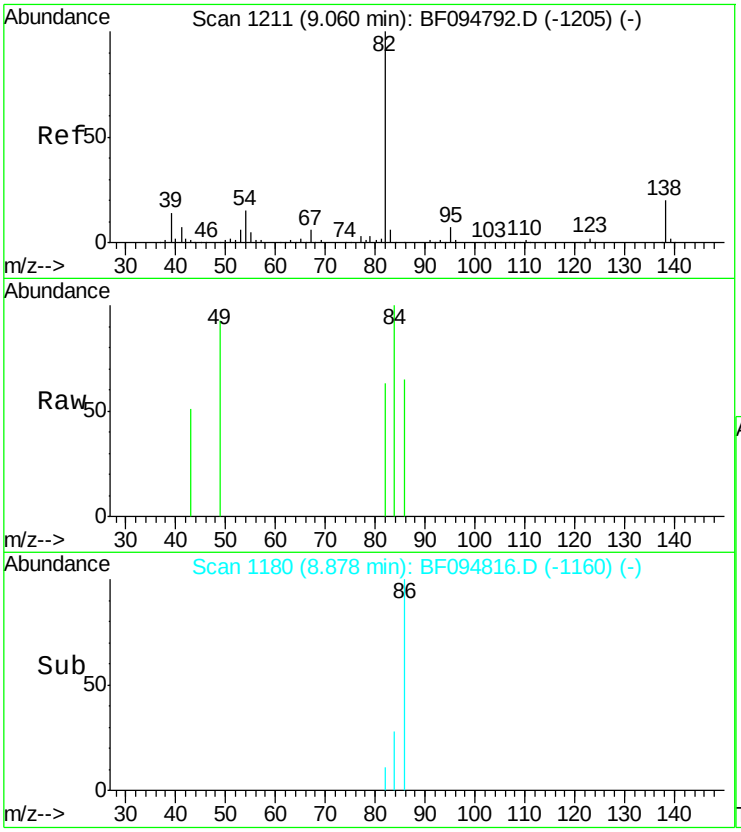


#23
Nitrobenzene-d5
Concen: 14.548 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 82 Resp: 86131

Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.0	51.0
54	46.0	42.2	63.2





#25
Isophorone
Concen: 0.014 ng
RT: 8.88 min Scan# 1180
Delta R.T. -0.18 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 82 Resp: 143

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

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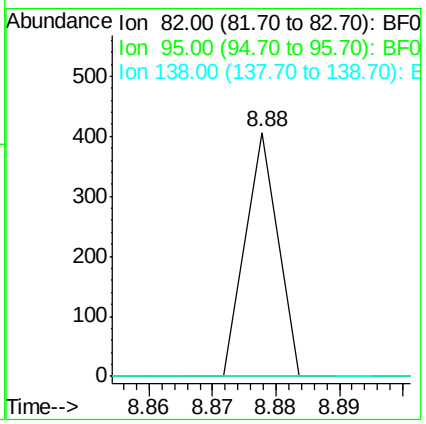
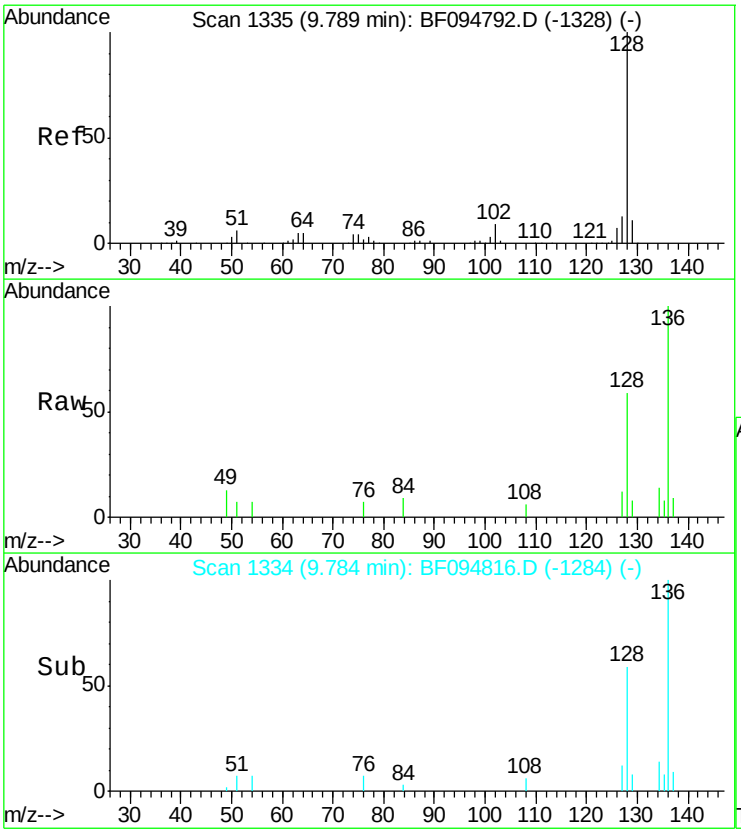
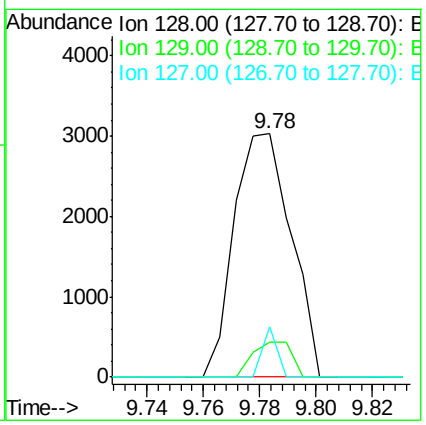


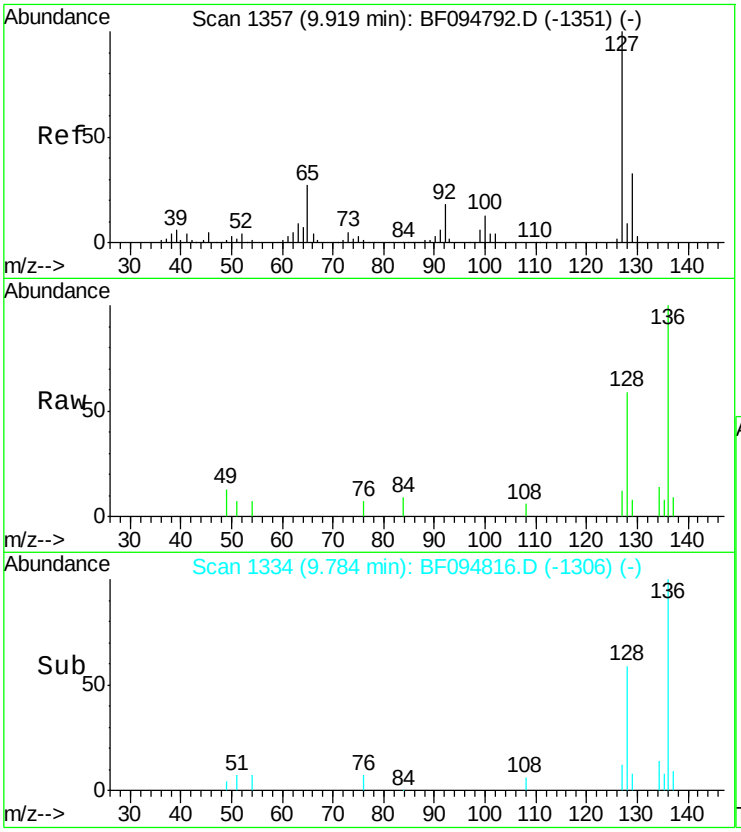


#31
Naphthalene
Concen: 0.226 ng
RT: 9.78 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:128 Resp: 4240

Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.0	13.6#
127	20.6	10.8	16.2#

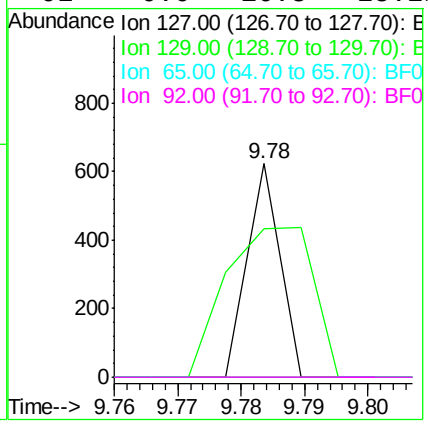




#33
4-Chloroaniline
Concen: 0.031 ng
RT: 9.78 min Scan# 1334
Delta R.T. -0.14 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:127 Resp: 220

Ion	Ratio	Lower	Upper
127	100		
129	69.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



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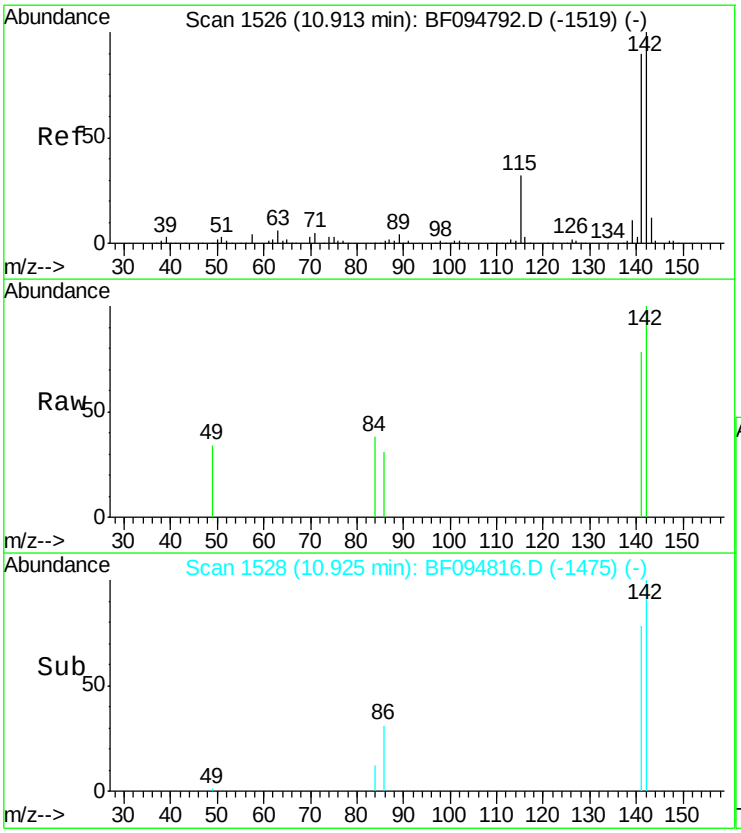
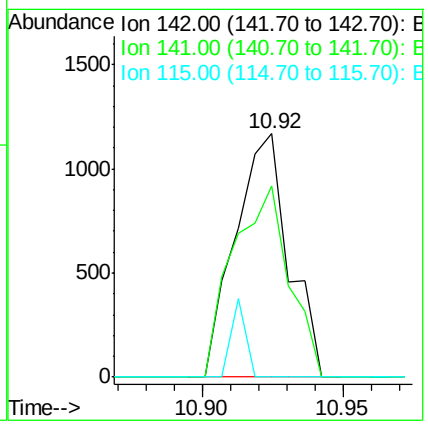
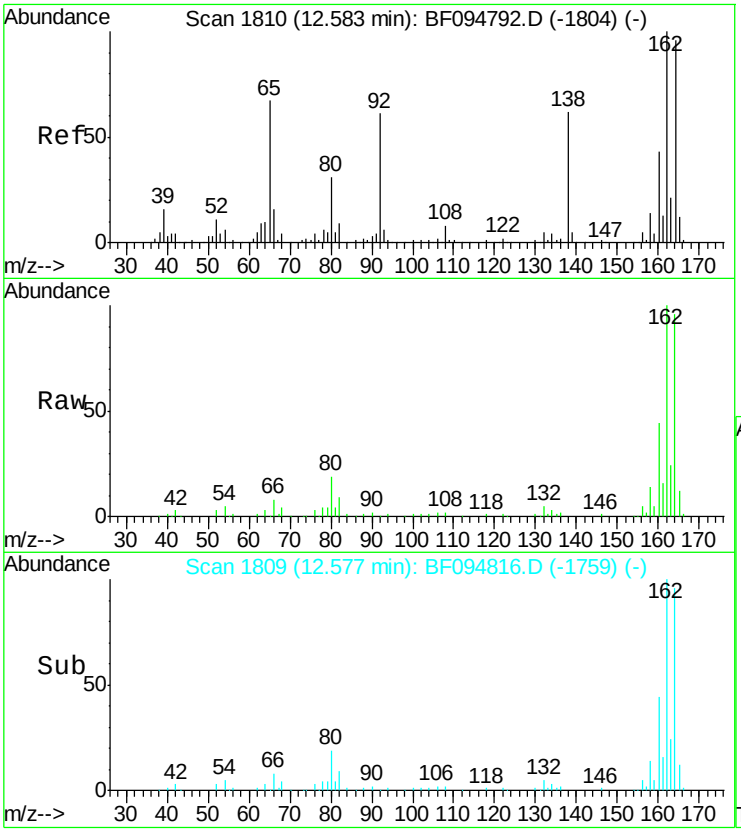


#37
2-Methylnaphthalene
Concen: 0.124 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:142 Resp: 1530

Ion	Ratio	Lower	Upper
142	100		
141	78.4	71.3	106.9
115	0.0	27.1	40.7#

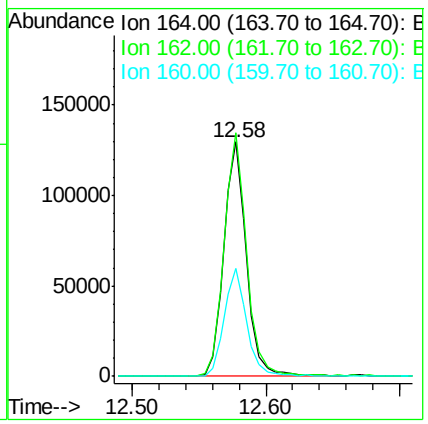




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:164 Resp: 154051

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	45.9	36.2	54.2



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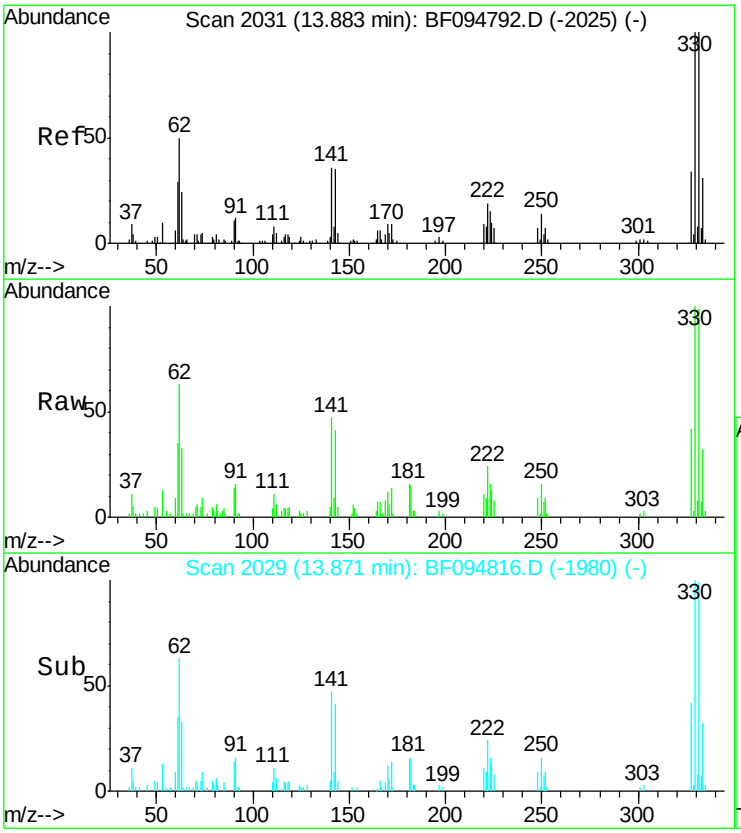
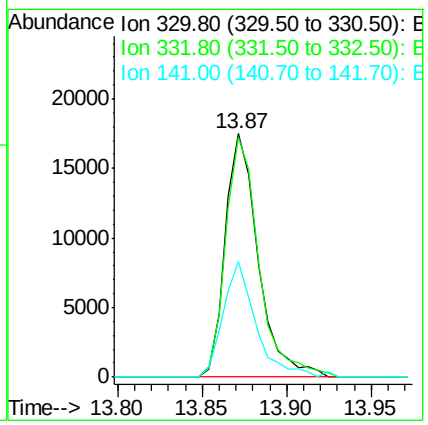
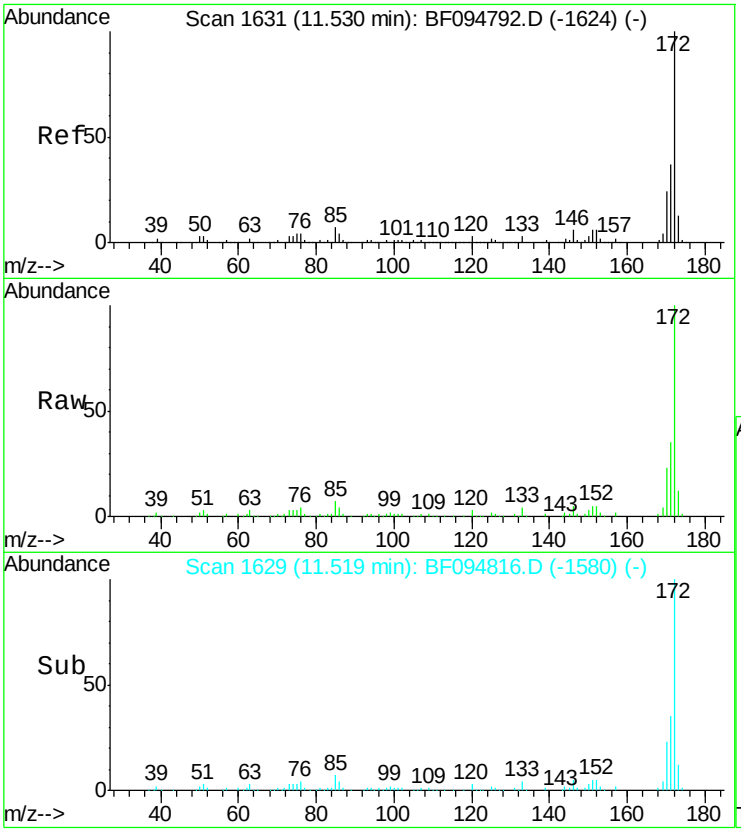


#41
2,4,6-Tribromophenol
Concen: 18.842 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:330 Resp: 23771

Ion	Ratio	Lower	Upper
330	100		
332	99.7	76.6	115.0
141	46.9	31.4	47.2

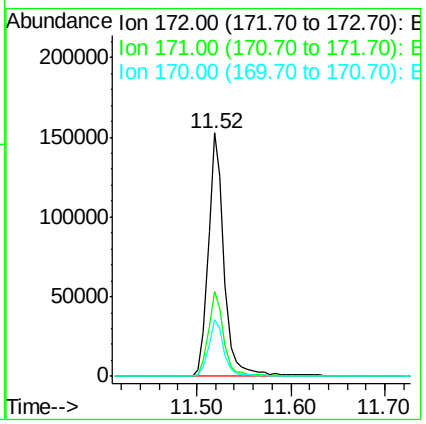




#44
2-Fluorobiphenyl
Concen: 16.989 ng
RT: 11.52 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:172 Resp: 181827

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.2	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
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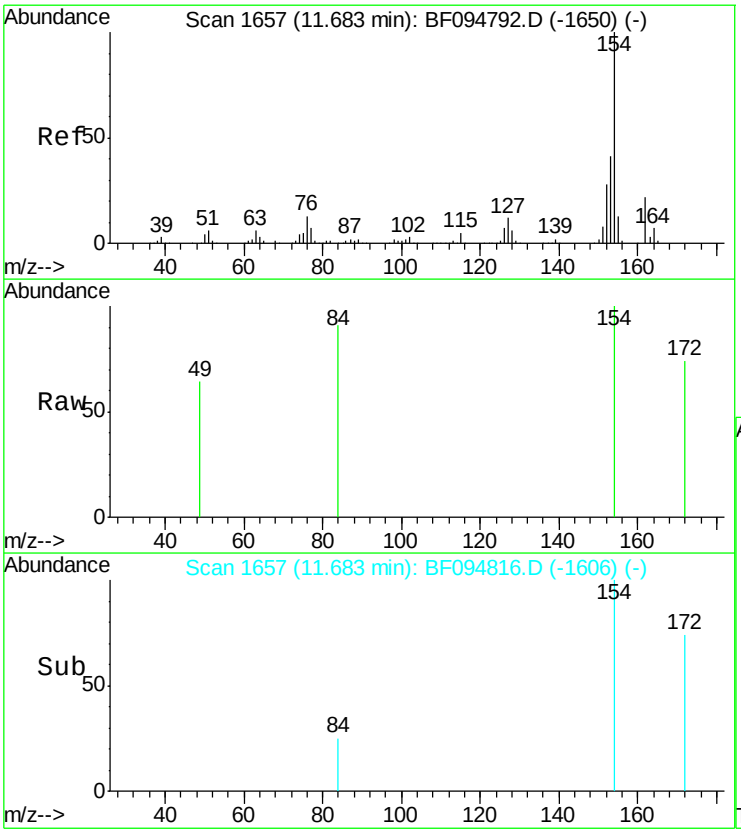
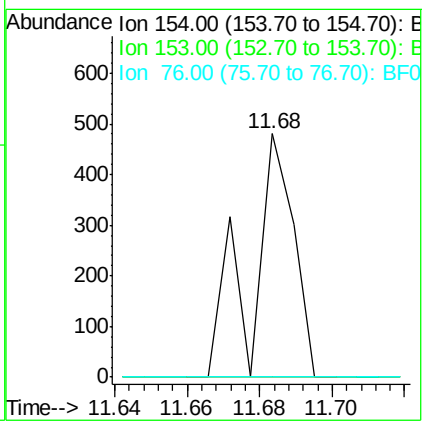
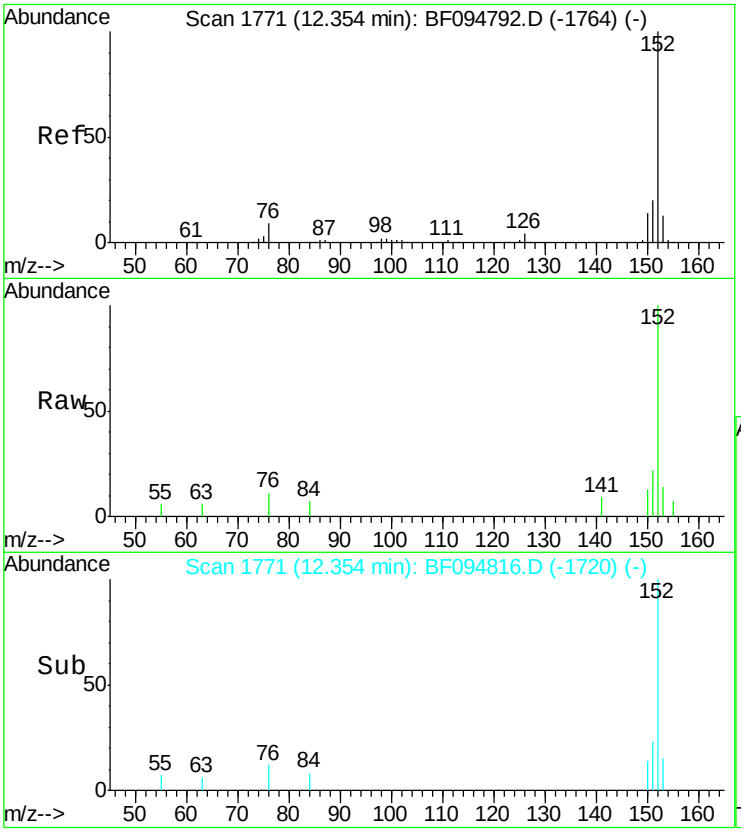


#45
1,1'-Biphenyl
Concen: 0.030 ng
RT: 11.68 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:154 Resp: 388

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

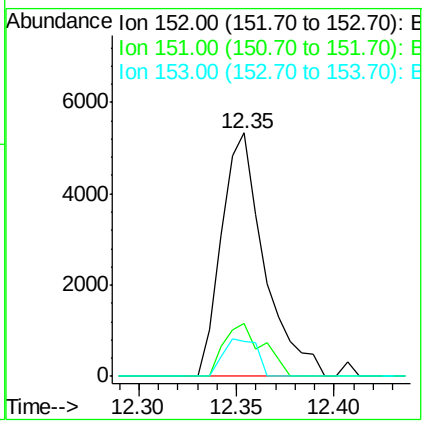




#48
Acenaphthylene
Concen: 0.493 ng
RT: 12.35 min Scan# 1771
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:152 Resp: 8087

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.8	25.2
153	14.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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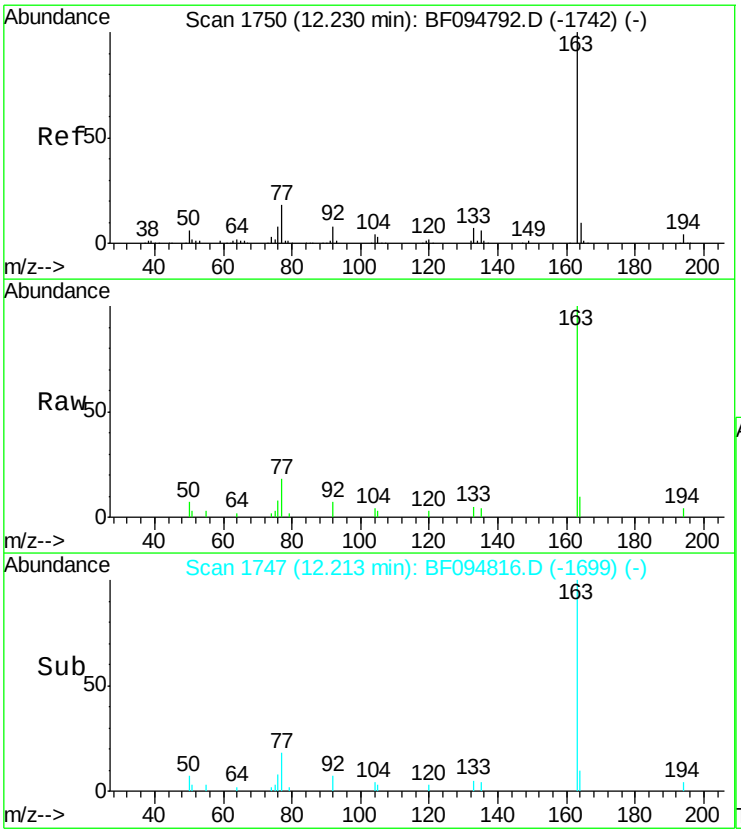
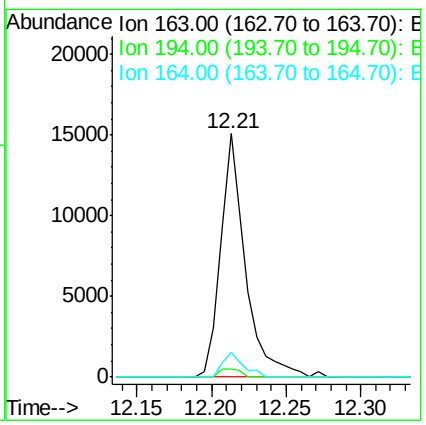
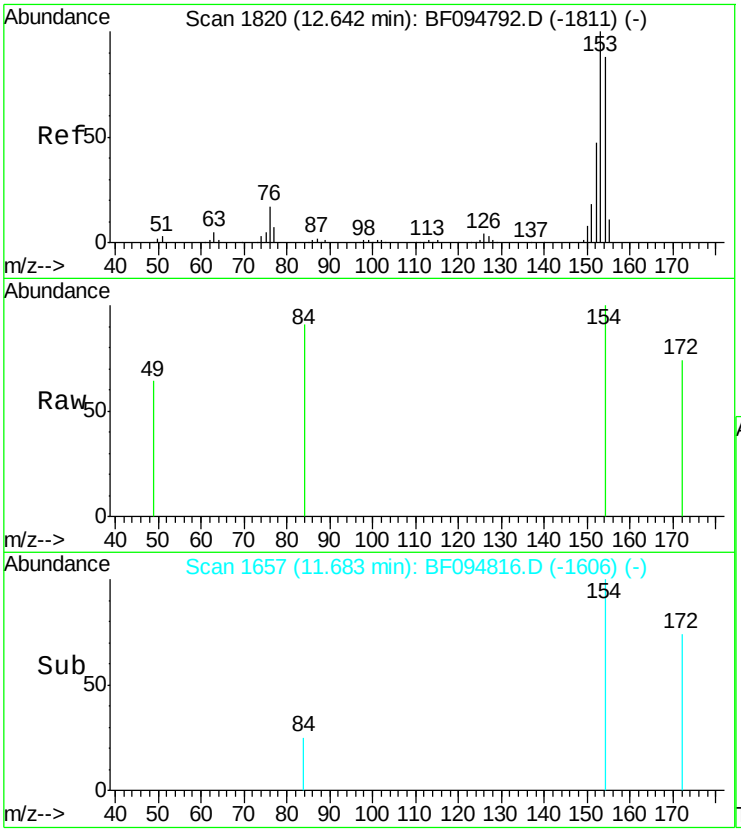


#49
Dimethylphthalate
Concen: 1.406 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:163 Resp: 17784

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.2	8.4	12.6





#51
Acenaphthene
Concen: 0.030 ng
RT: 11.68 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:154 Resp: 388

Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.5	135.7#
152	0.0	43.6	65.4#

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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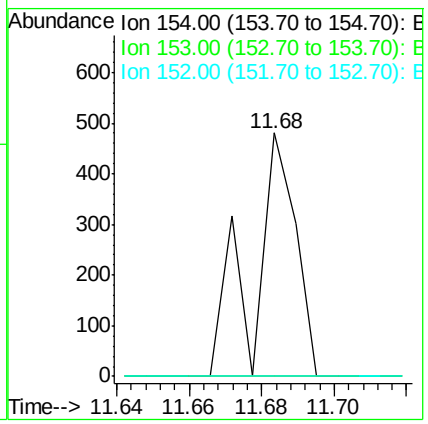
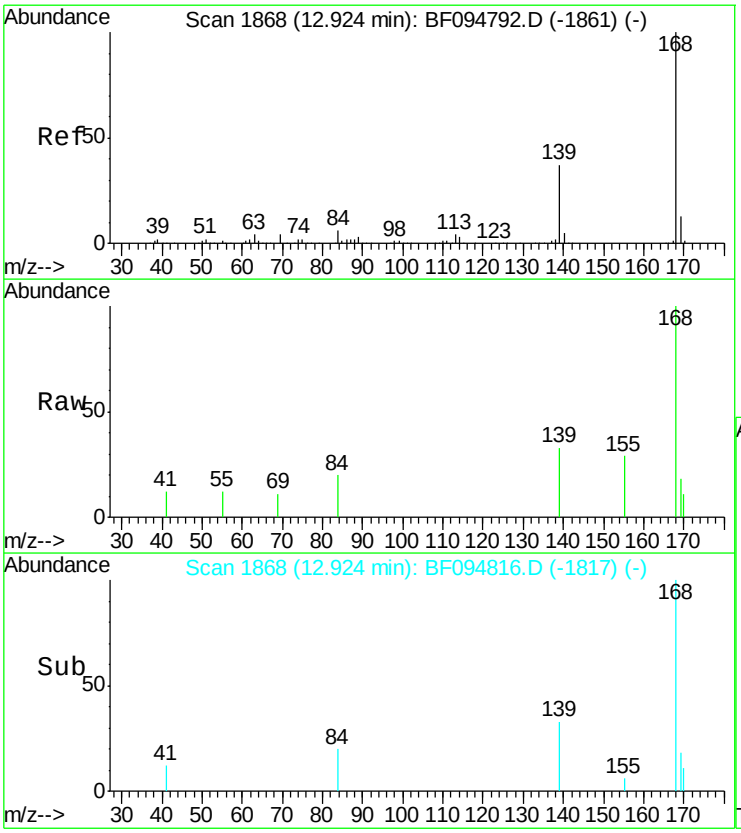
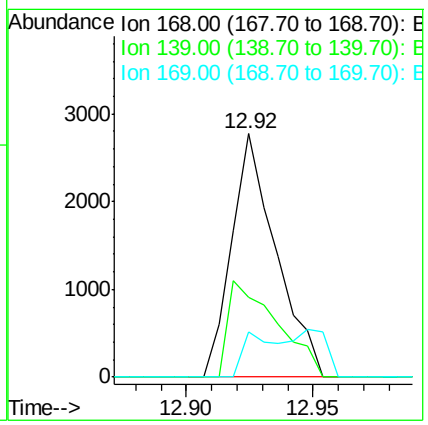


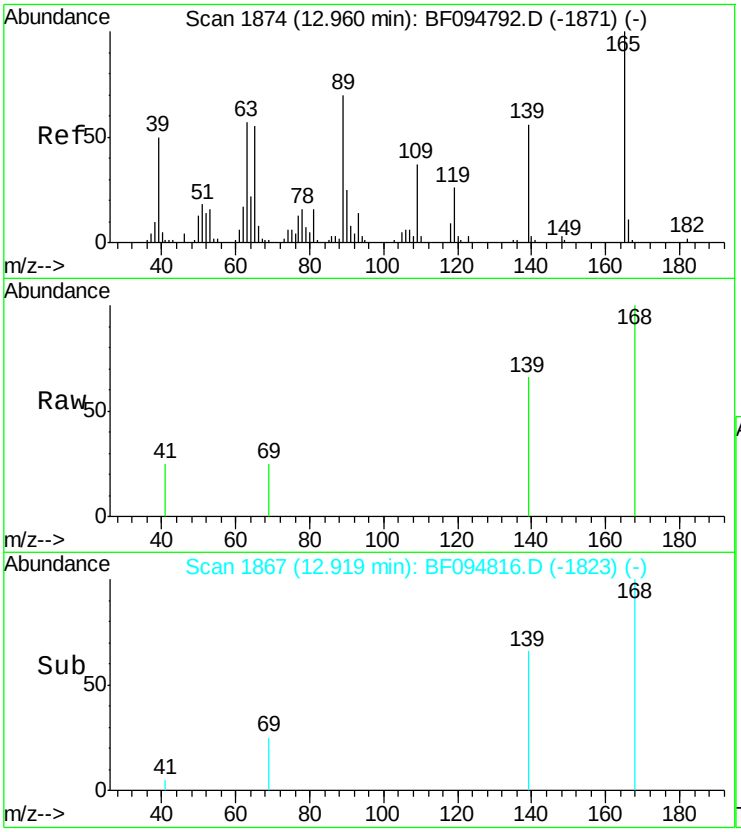


#54
Dibenzofuran
Concen: 0.250 ng
RT: 12.92 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:168 Resp: 3386

Ion	Ratio	Lower	Upper
168	100		
139	33.0	30.6	45.8
169	18.4	10.8	16.2#





#55
4-Nitrophenol
Concen: 0.894 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.04 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:139 Resp: 1487

Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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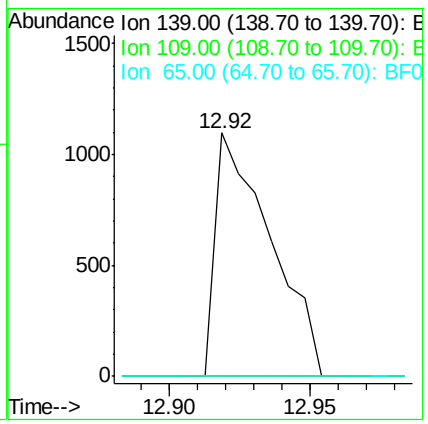
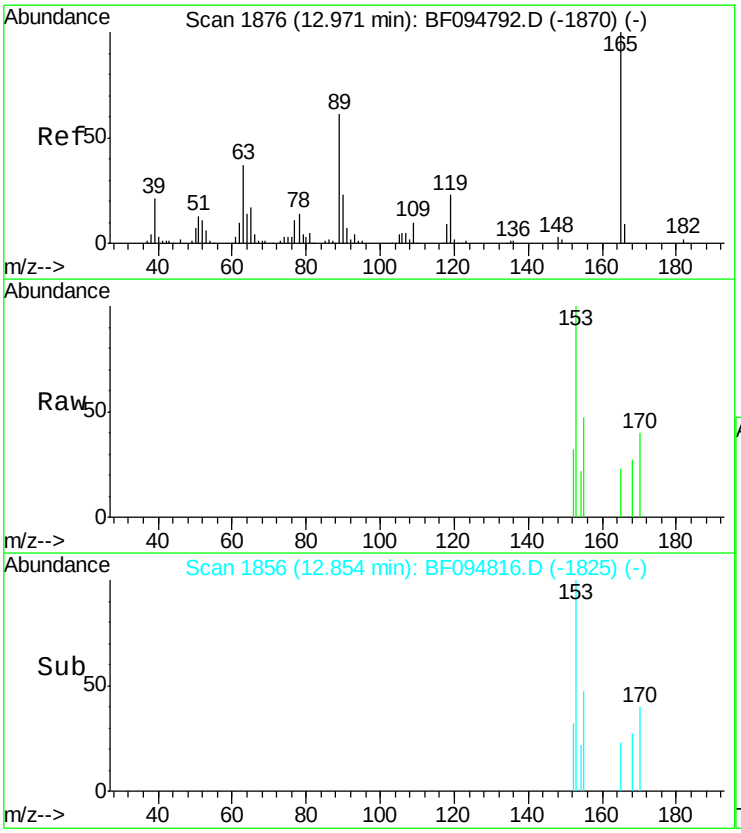
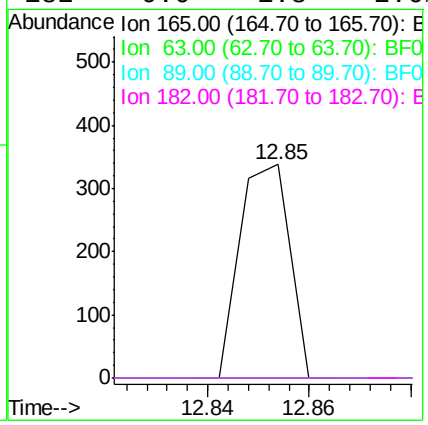


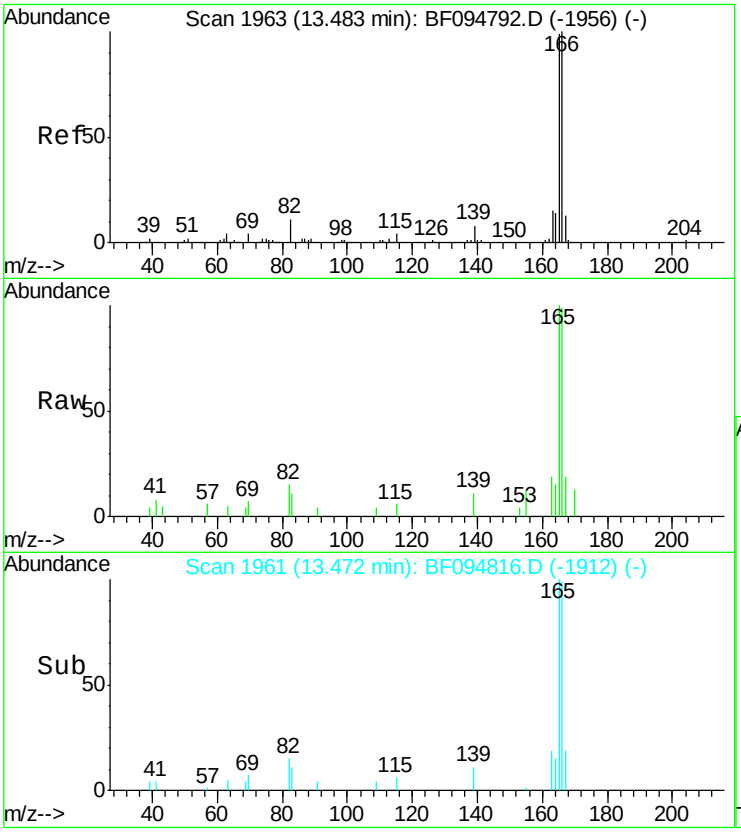


#56
2,4-Dinitrotoluene
Concen: 0.070 ng
RT: 12.85 min Scan# 1856
Delta R.T. -0.12 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:165 Resp: 231

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#

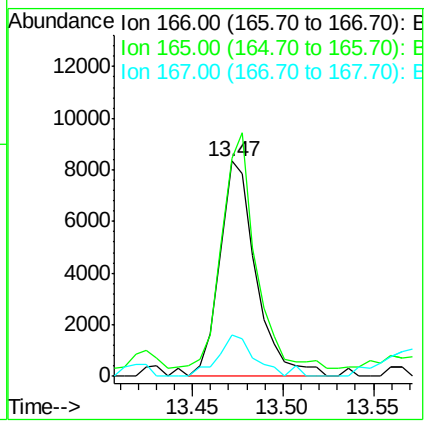




#57
Fluorene
Concen: 0.987 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:166 Resp: 11636

Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.8	118.2
167	19.2	10.6	16.0#



Instrument :
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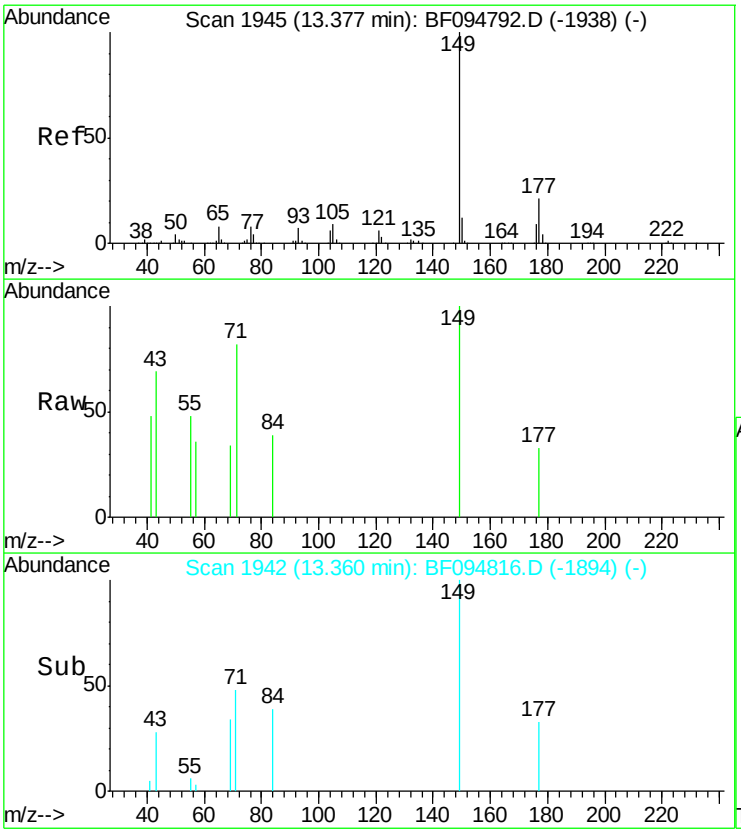
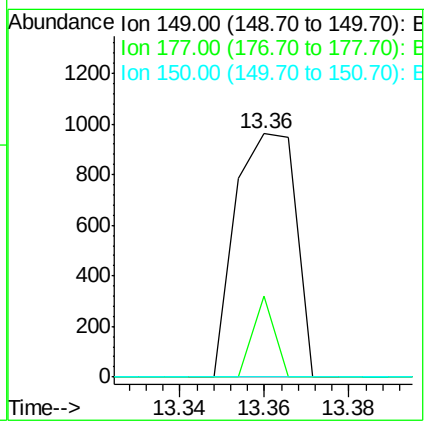
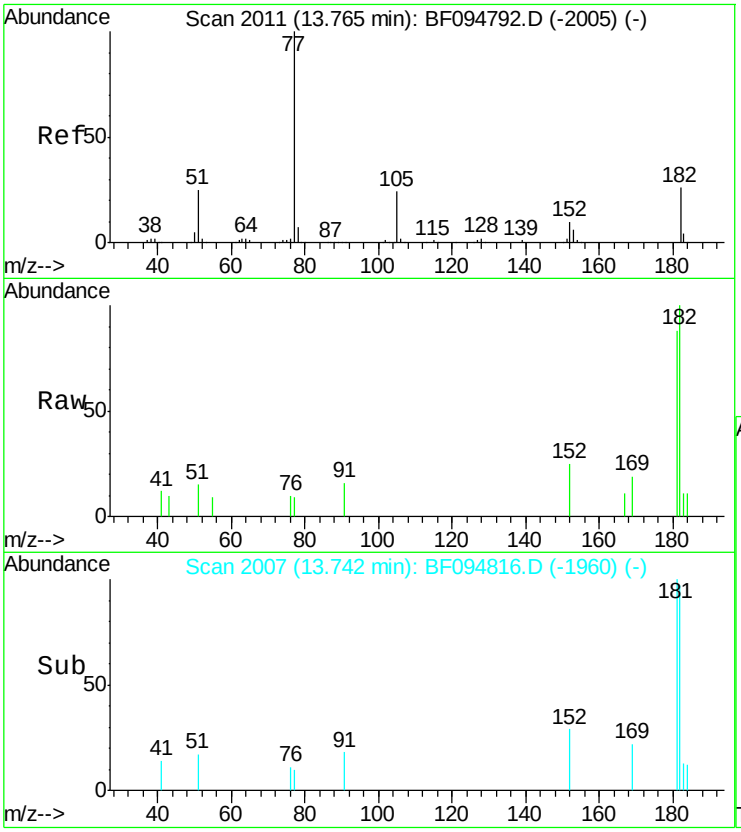


#59
Diethylphthalate
Concen: 0.079 ng
RT: 13.36 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:149 Resp: 952

Ion	Ratio	Lower	Upper
149	100		
177	33.4	16.7	25.1#
150	0.0	10.2	15.2#

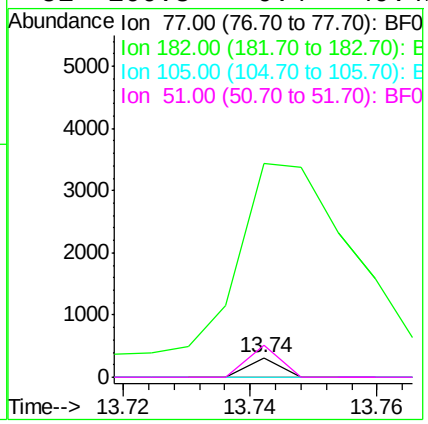




#62
Azobenzene
Concen: 0.011 ng
RT: 13.74 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion: 77 Resp: 111

Ion	Ratio	Lower	Upper
77	100		
182	1090.2	0.1	40.1#
105	0.0	3.6	43.6#
51	166.3	9.4	49.4#



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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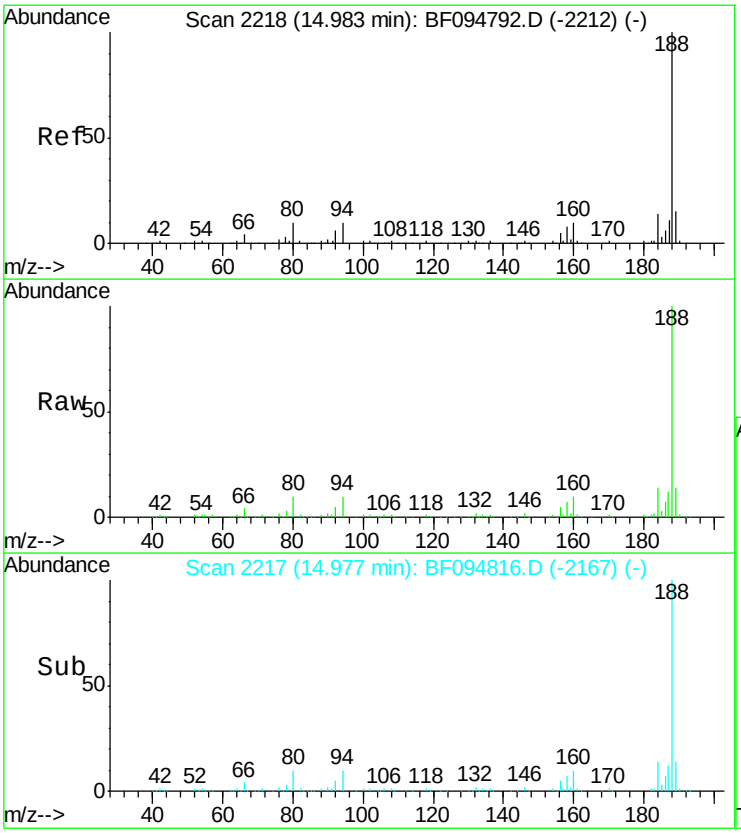
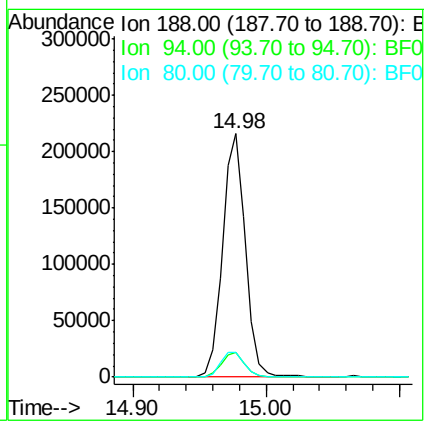
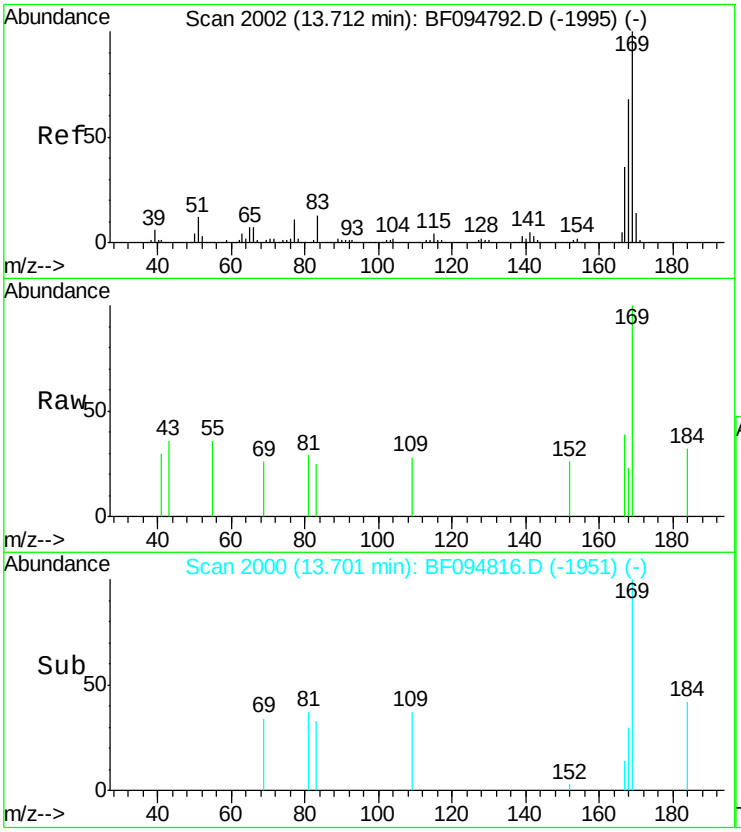


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.98 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:188 Resp: 258617

Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.2	10.2	15.2





#65
n-Nitrosodiphenylamine
Concen: 0.202 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:169 Resp: 1899

Ion	Ratio	Lower	Upper
169	100		
168	23.3	53.2	79.8#
167	39.4	29.5	44.3

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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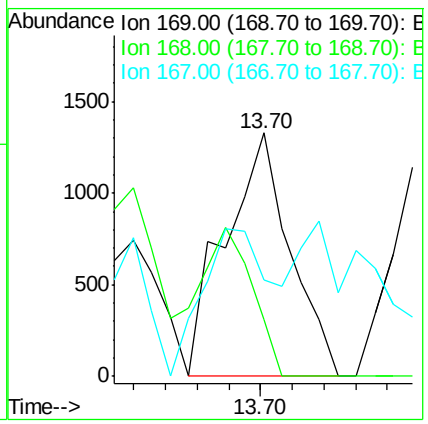
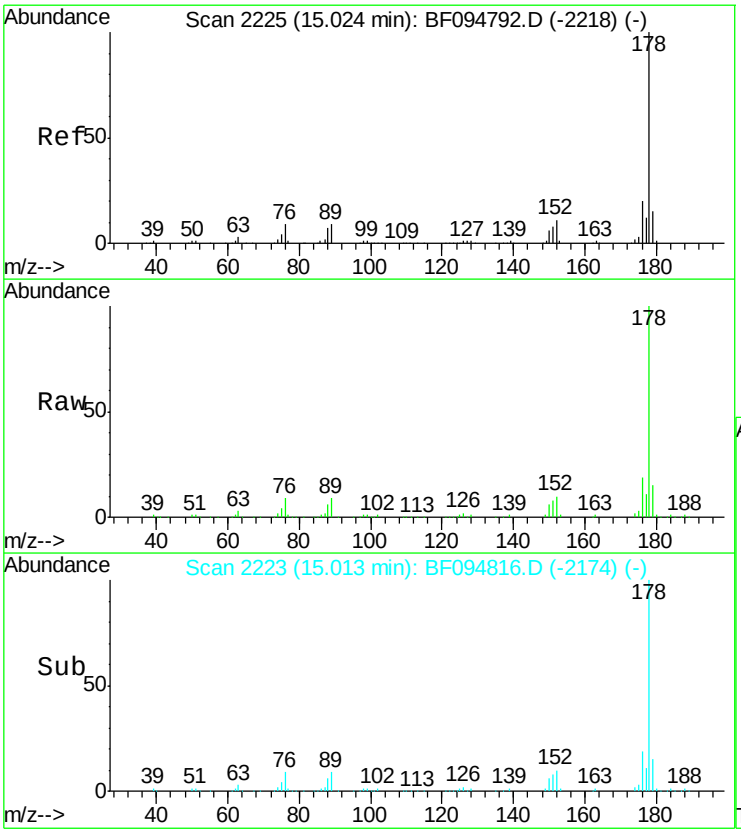
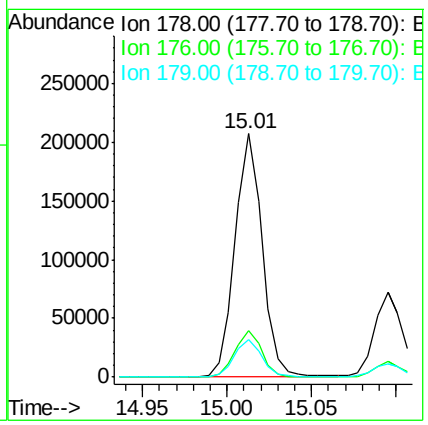


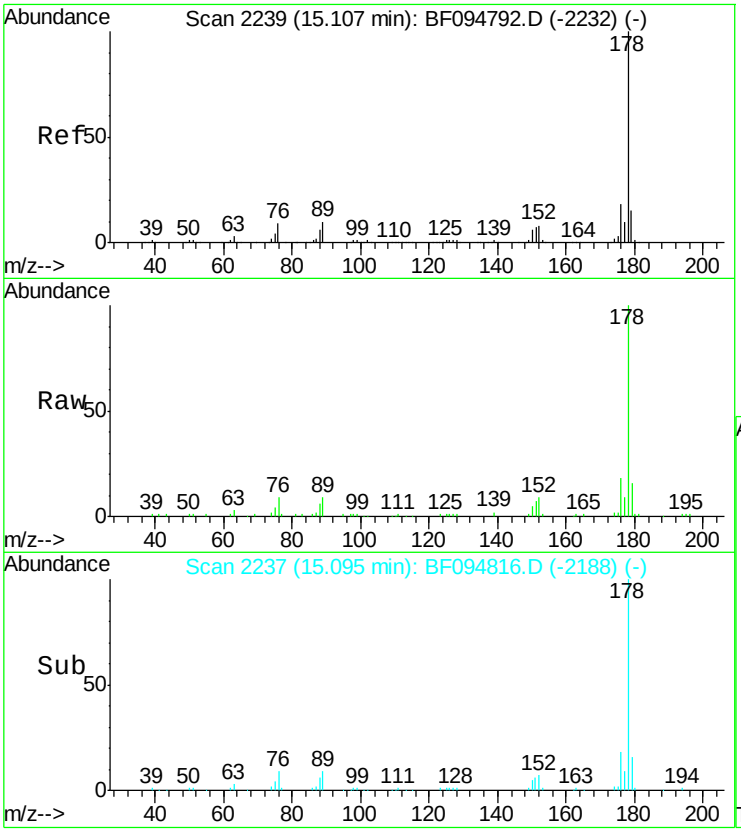


#70
Phenanthrene
Concen: 15.684 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:178 Resp: 233053

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.2	12.6	19.0

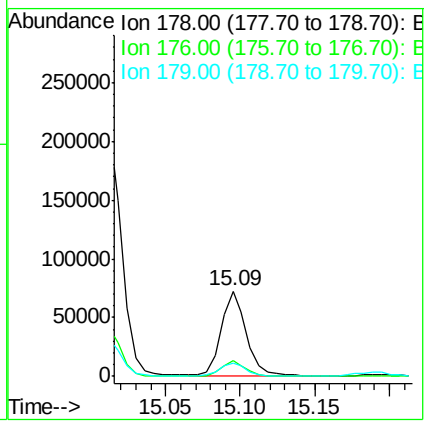




#71
Anthracene
Concen: 5.589 ng
RT: 15.09 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:178 Resp: 84830

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	16.0	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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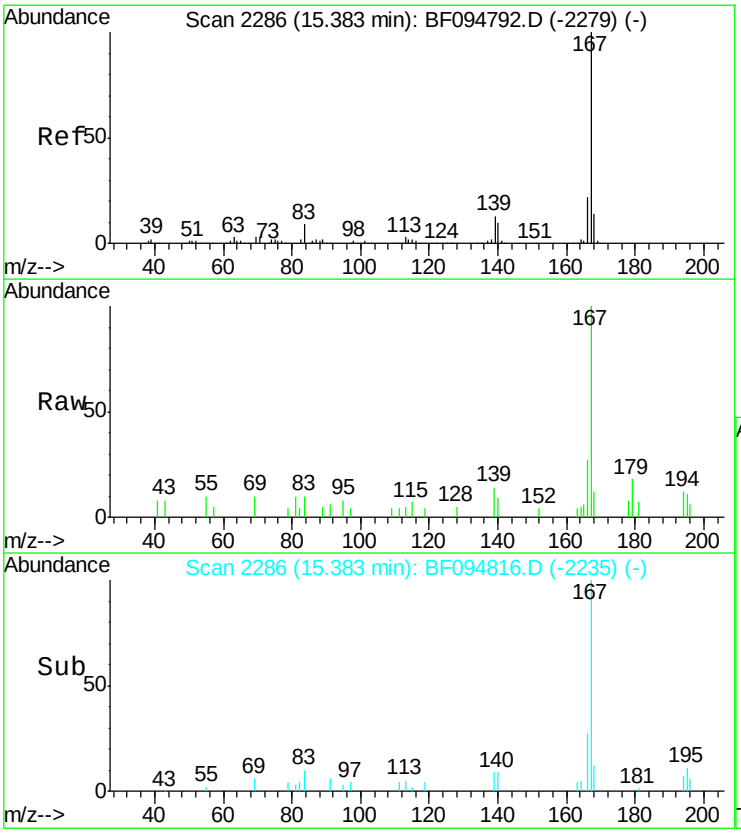
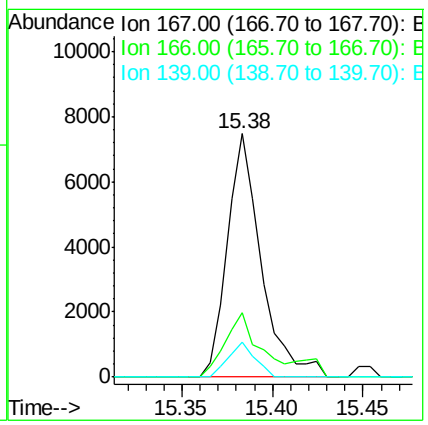
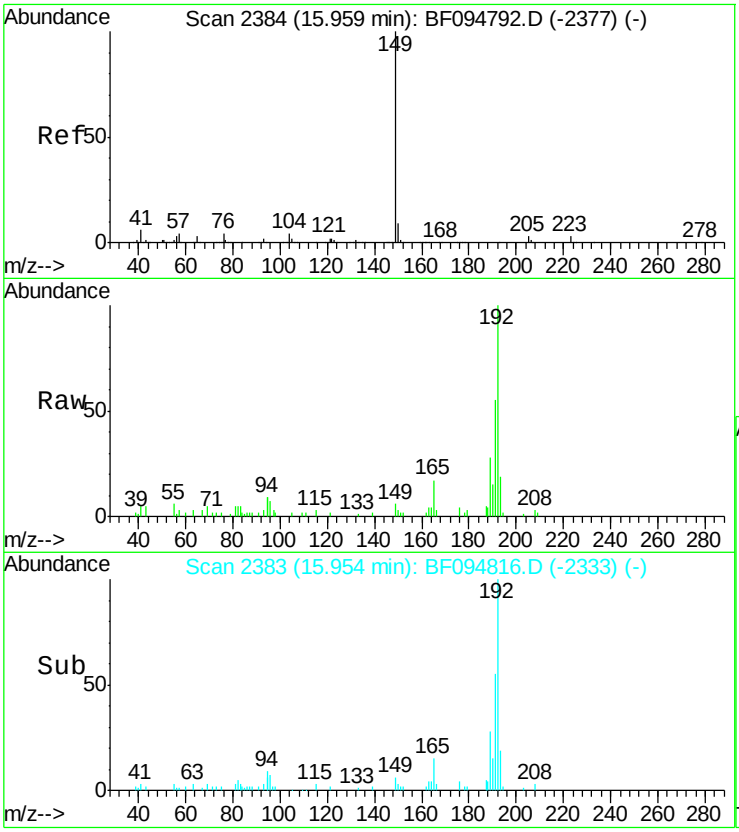


#72
Carbazole
Concen: 0.702 ng
RT: 15.38 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:167 Resp: 9698

Ion	Ratio	Lower	Upper
167	100		
166	26.6	18.1	27.1
139	14.3	11.7	17.5





#73
Di-n-butylphthalate
Concen: 0.118 ng
RT: 15.95 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:149 Resp: 2033

Ion	Ratio	Lower	Upper
149	100		
150	47.5	7.7	11.5#
104	0.0	4.0	6.0#

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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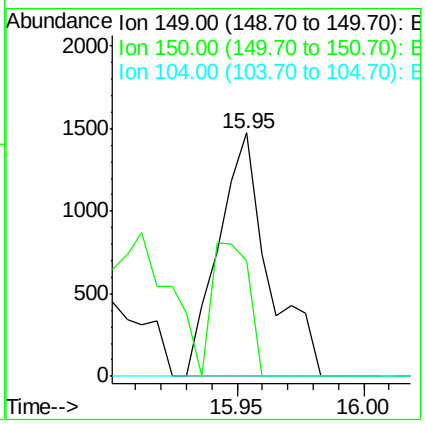
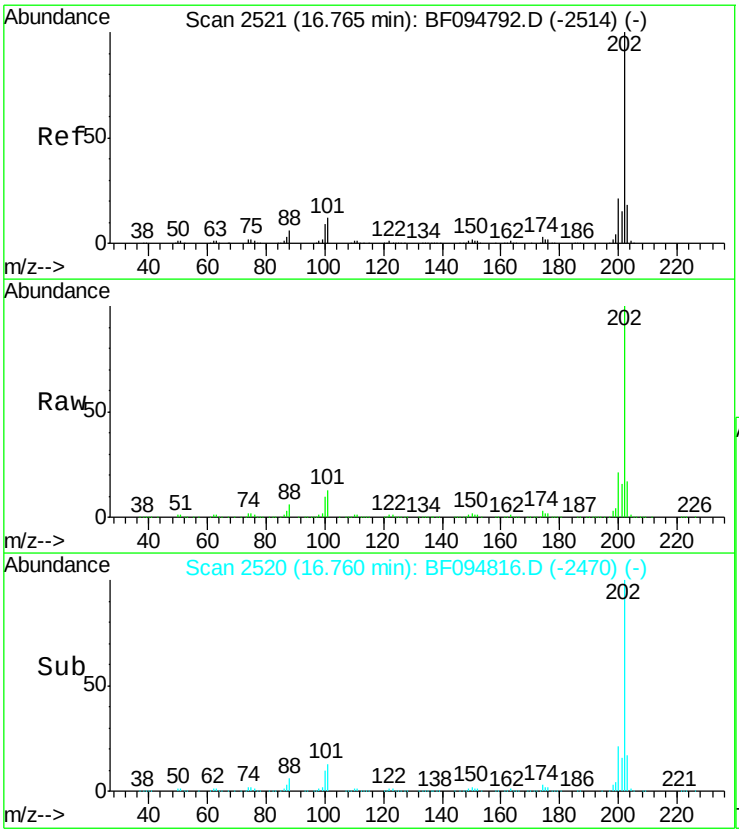
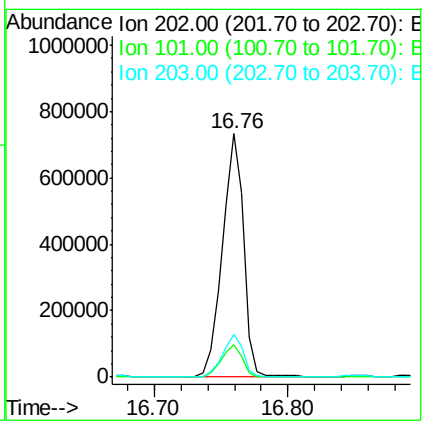


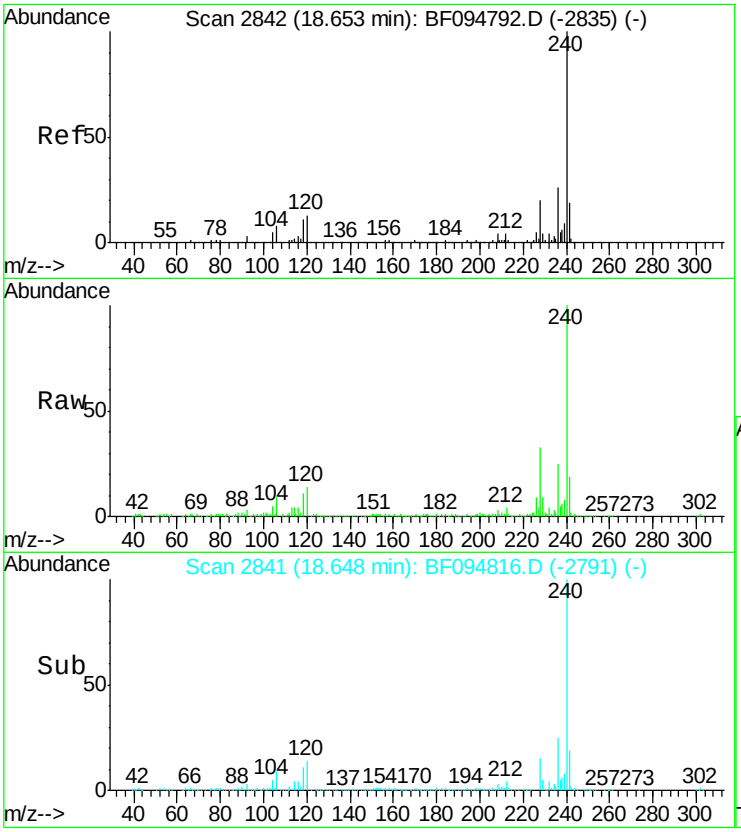


#74
Fluoranthene
Concen: 54.376 ng
RT: 16.76 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:202 Resp: 828829

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.4	0.0	38.1

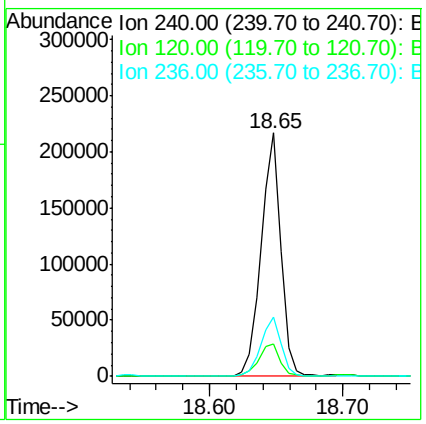




#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.65 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:240 Resp: 221478

Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	24.6	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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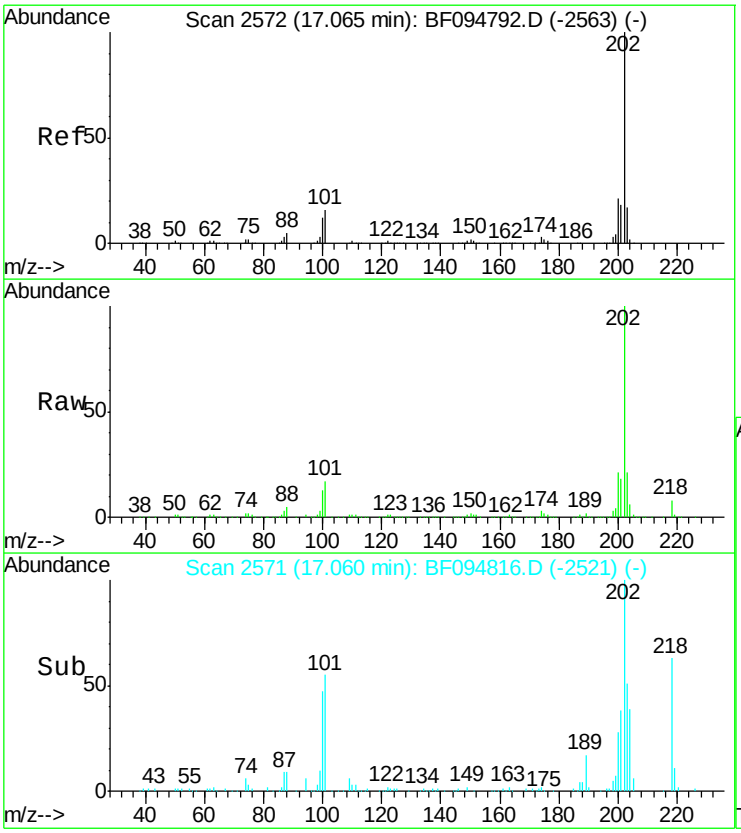
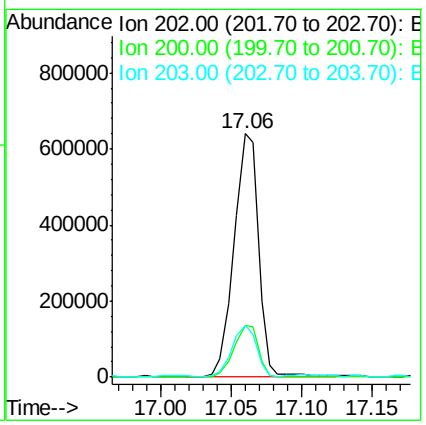
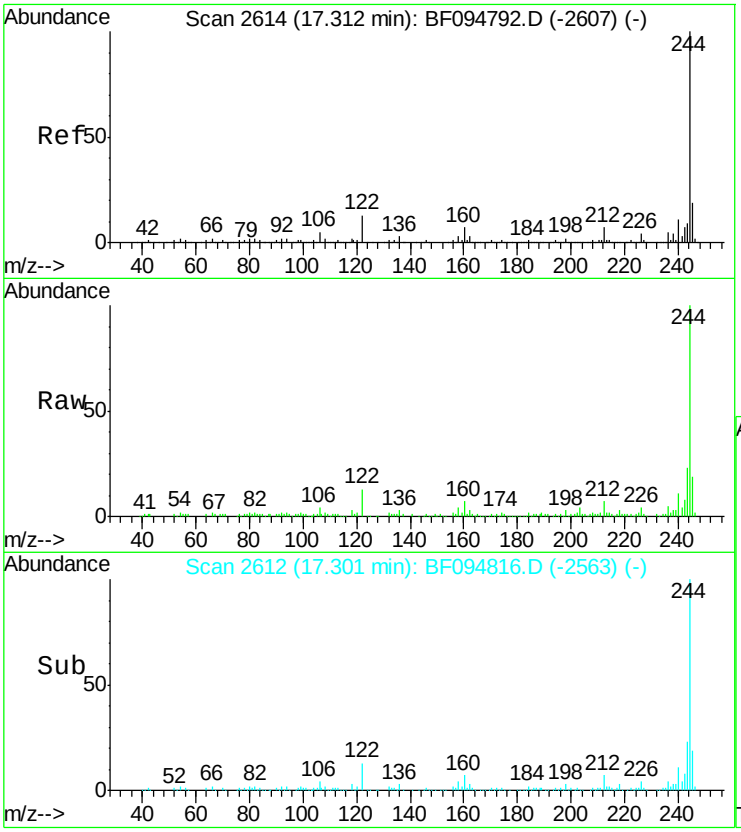


#77
Pyrene
Concen: 46.667 ng
RT: 17.06 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:202 Resp: 772999

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	21.3	14.4	21.6





#78
Terphenyl-d14
Concen: 11.874 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:244 Resp: 119400

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.6	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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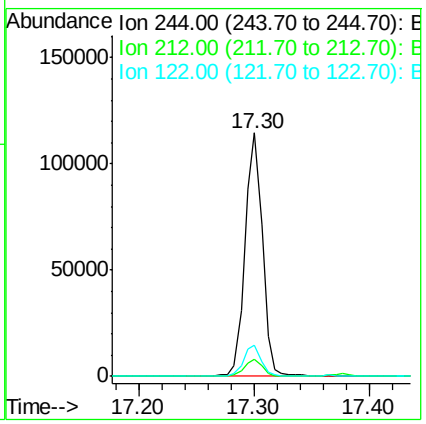
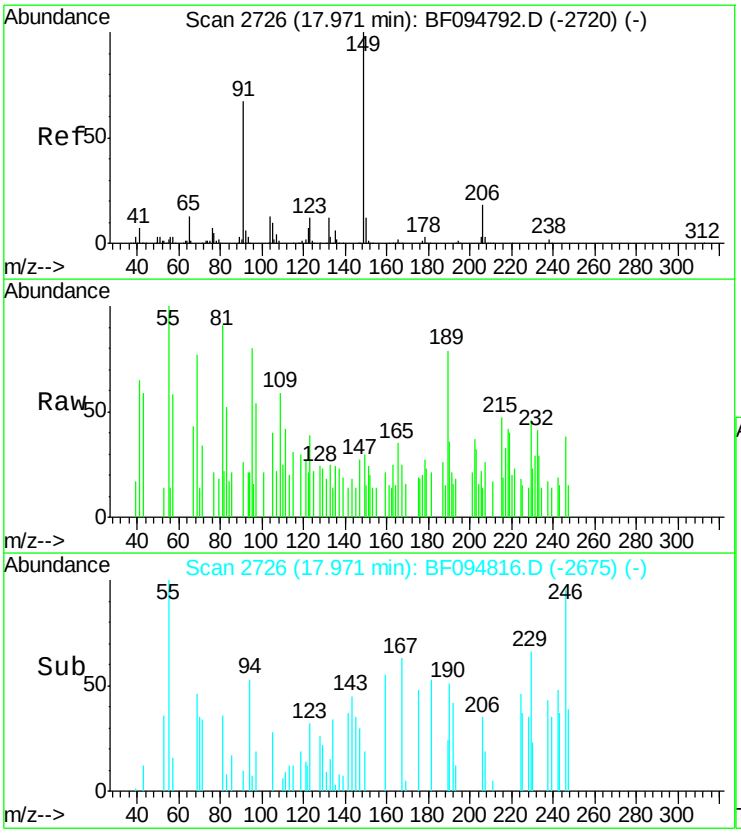
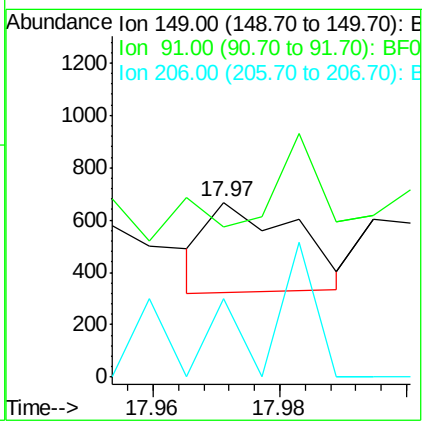


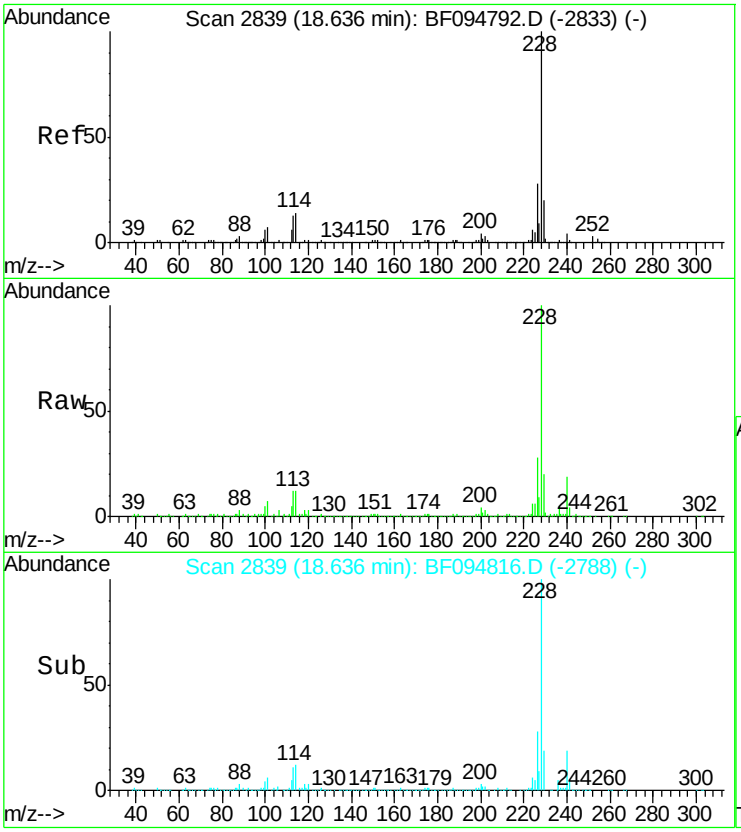


#79
Butylbenzylphthalate
Concen: 0.042 ng
RT: 17.97 min Scan# 2726
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:149 Resp: 327

Ion	Ratio	Lower	Upper
149	100		
91	85.8	45.0	67.4#
206	45.2	17.0	25.6#

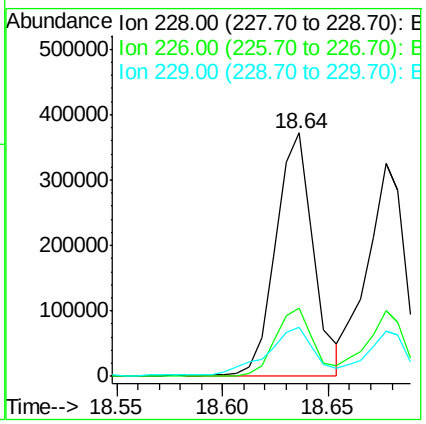




#80
Benzo(a)anthracene
Concen: 35.646 ng
RT: 18.64 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:228 Resp: 459466

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.0	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
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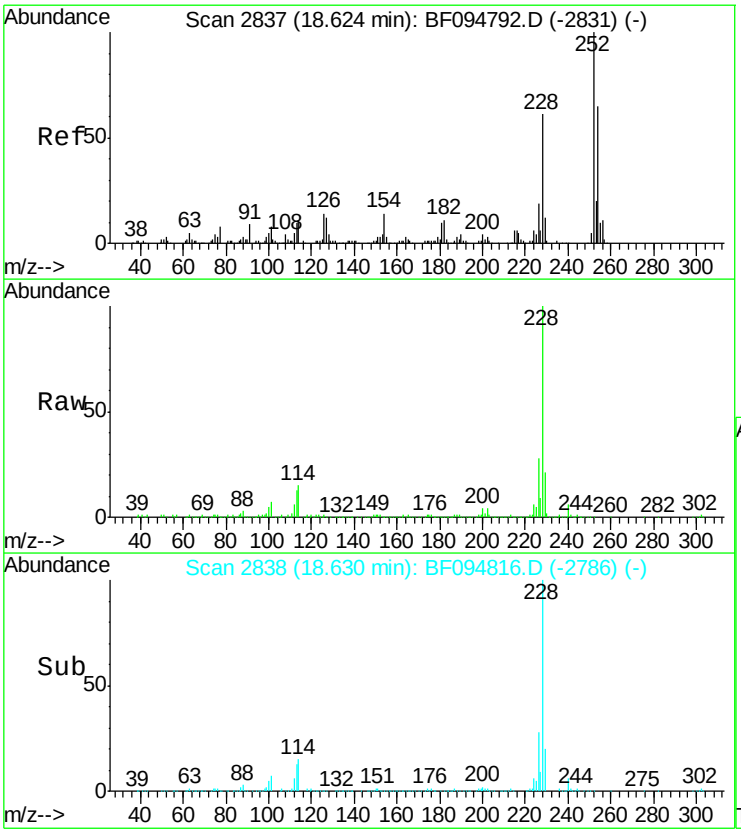
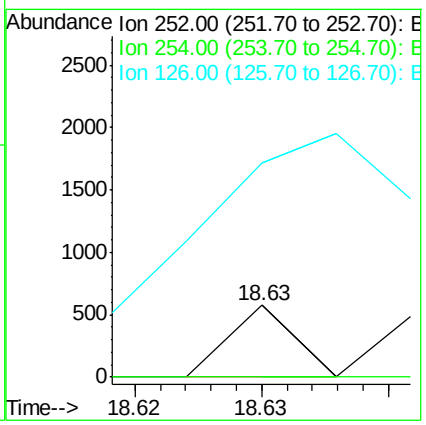
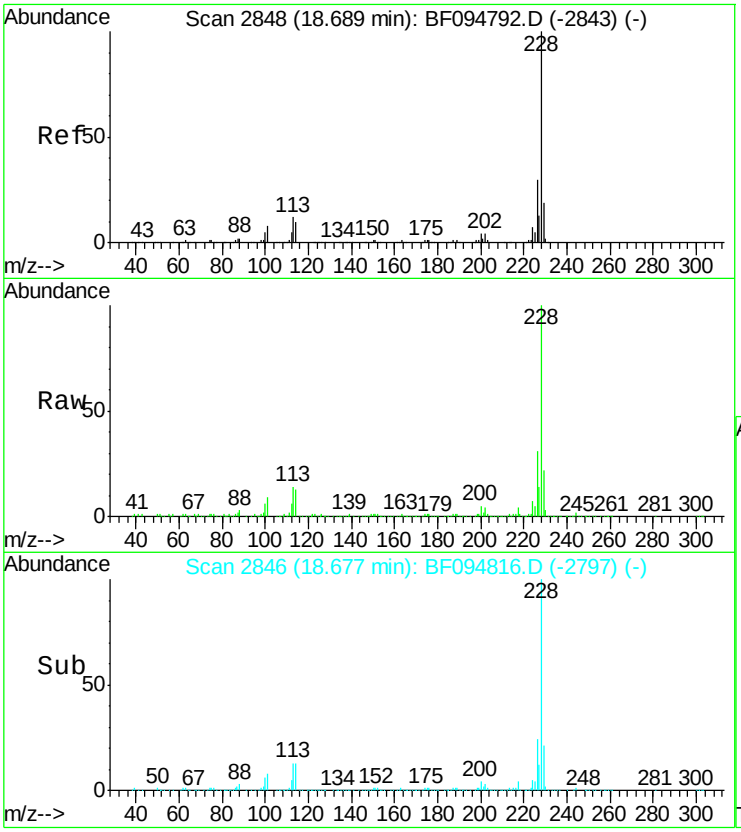


#81
3,3'-Dichlorobenzidine
Concen: 0.046 ng
RT: 18.63 min Scan# 2838
Delta R.T. 0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:252 Resp: 203

Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.5	77.3#
126	297.4	15.8	23.8#

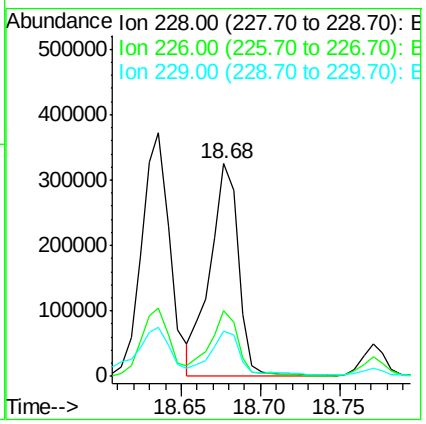




#82
Chrysene
Concen: 32.375 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:228 Resp: 403517

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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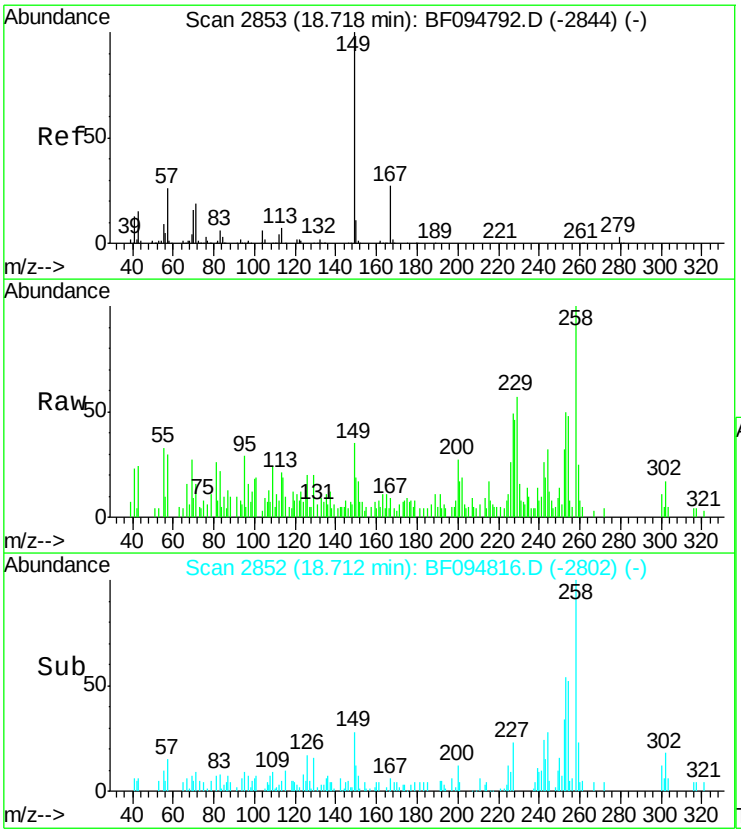
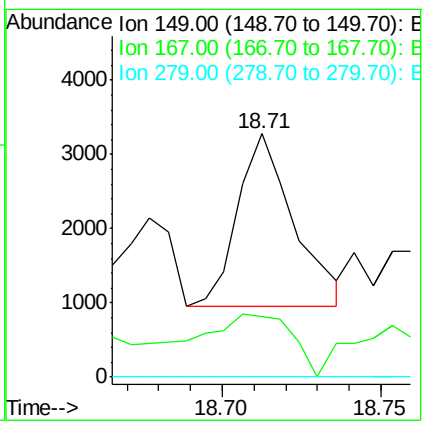
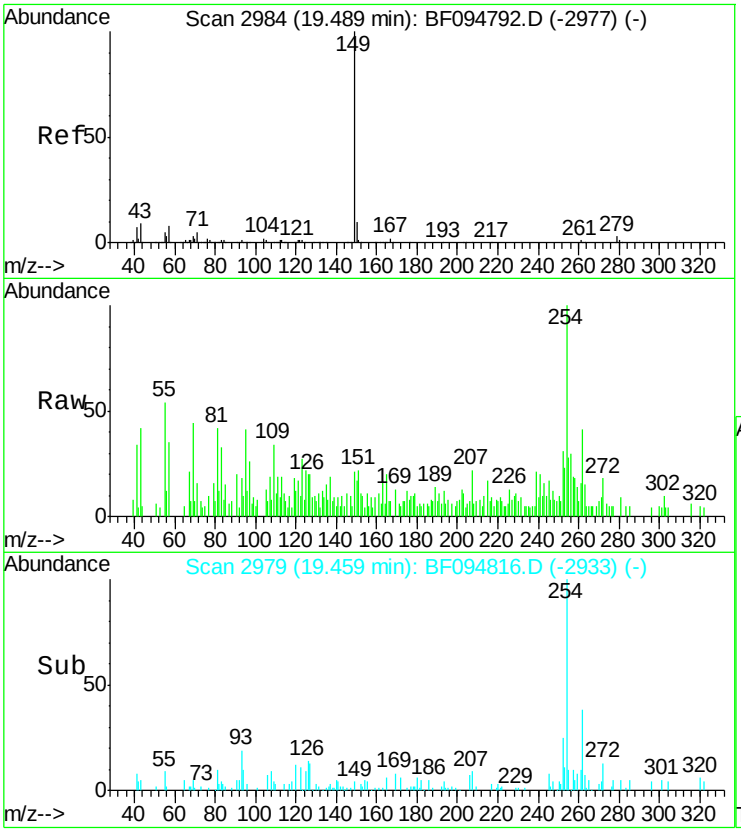


#83
Bis(2-ethylhexyl)phthalate
Concen: 0.261 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:149 Resp: 2864

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

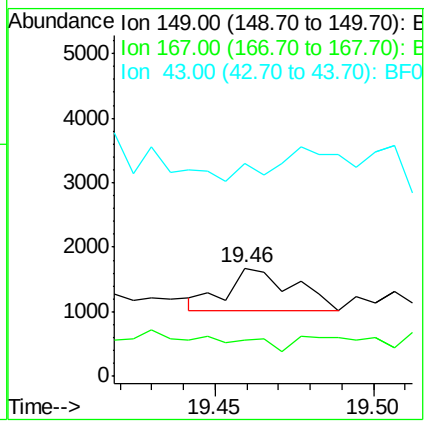




#84
Di-n-octyl phthalate
Concen: 0.053 ng
RT: 19.46 min Scan# 2979
Delta R.T. -0.03 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:149 Resp: 954

Ion	Ratio	Lower	Upper
149	100		
167	41.7	1.2	1.8#
43	81.2	8.5	12.7#



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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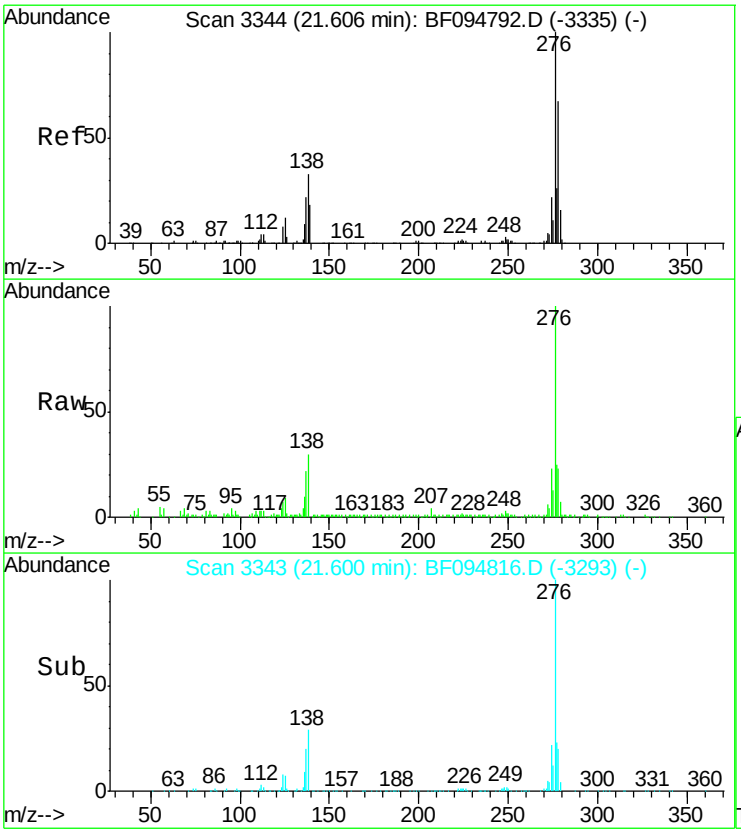
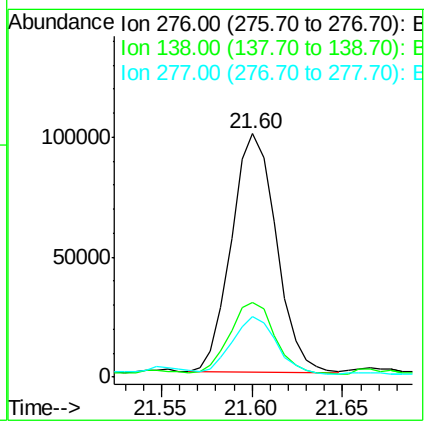
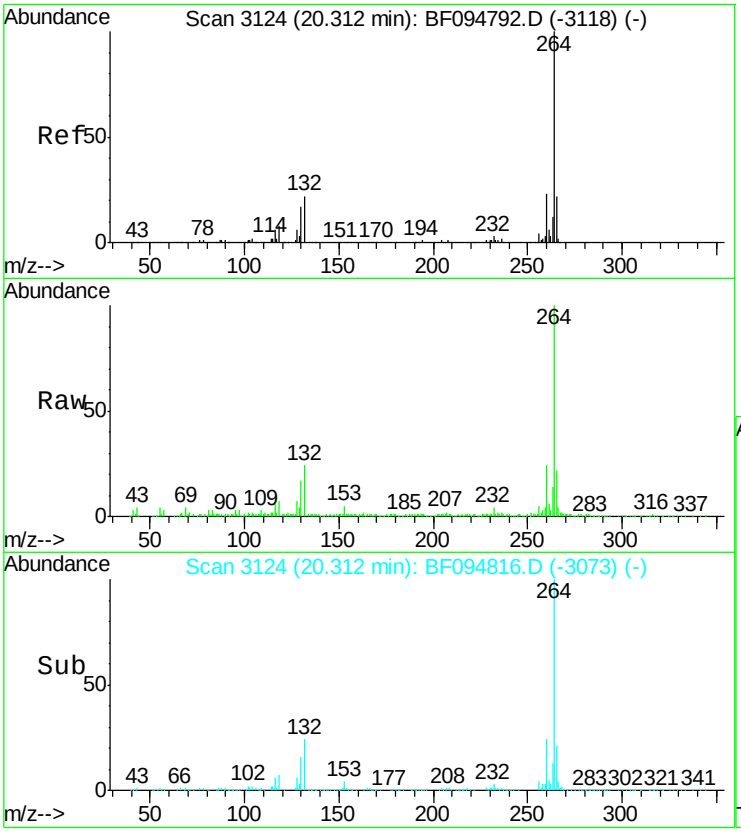


#85
Indeno(1,2,3-cd)pyrene
Concen: 16.899 ng
RT: 21.60 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:276 Resp: 171044

Ion	Ratio	Lower	Upper
276	100		
138	31.5	27.8	41.6
277	24.3	20.2	30.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:264 Resp: 179833

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.8	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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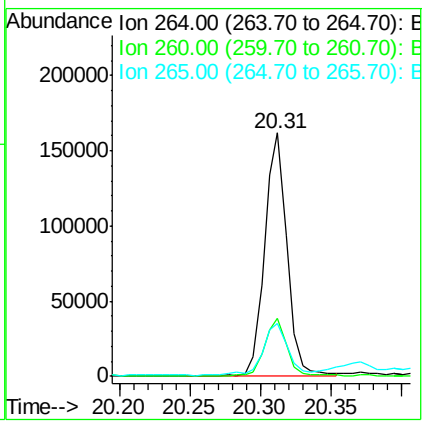
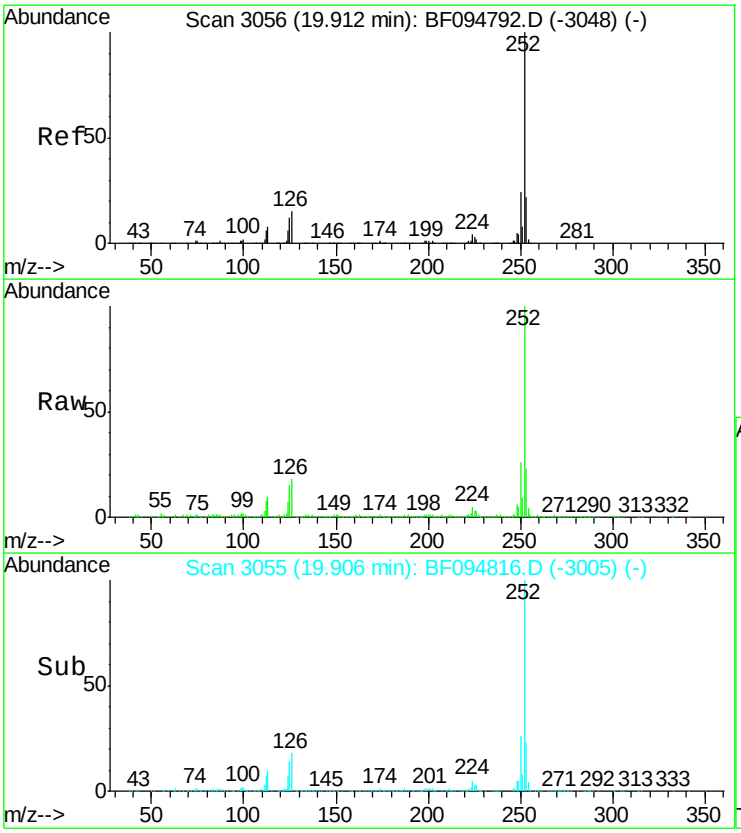
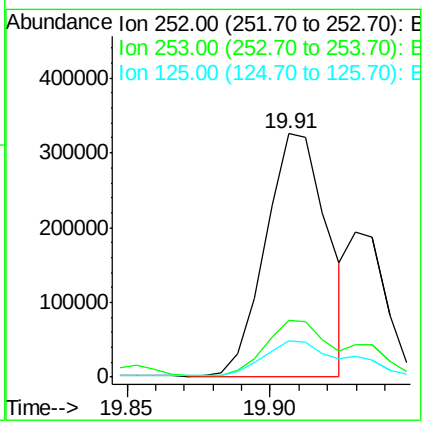


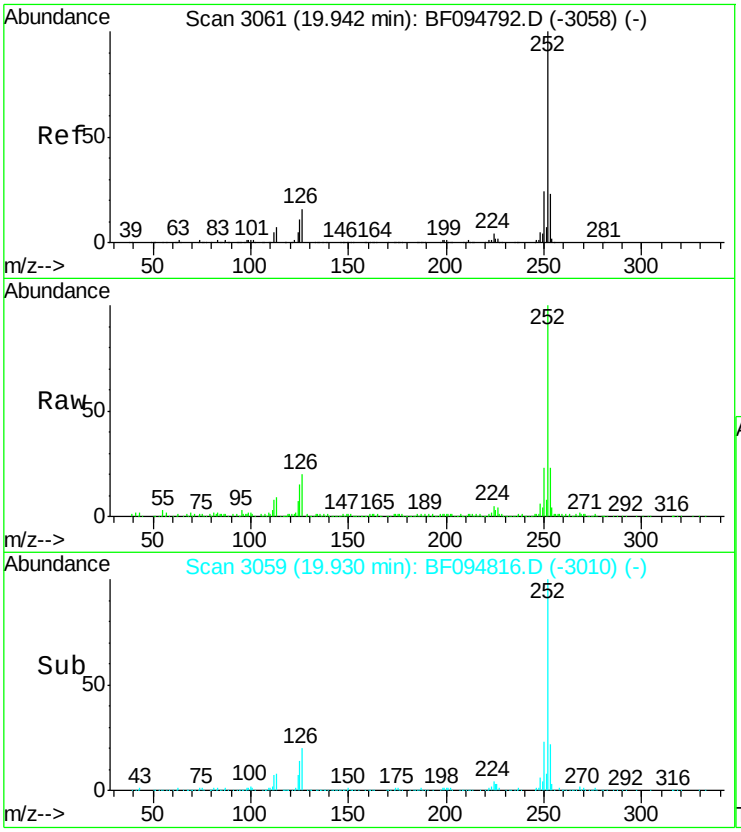


#87
Benzo(b)fluoranthene
Concen: 44.232 ng m
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:252 Resp: 491510

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.9	9.8	14.8#

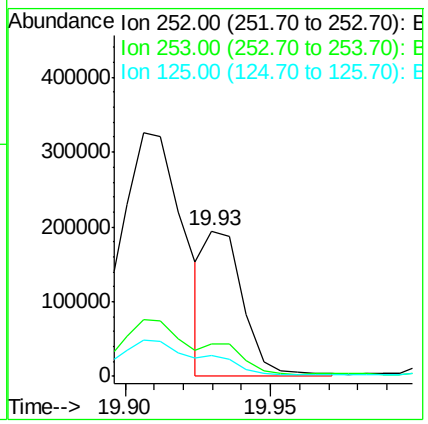




#88
Benzo(k)fluoranthene
Concen: 16.352 ng m
RT: 19.93 min Scan# 3059
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:252 Resp: 175273

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	14.7	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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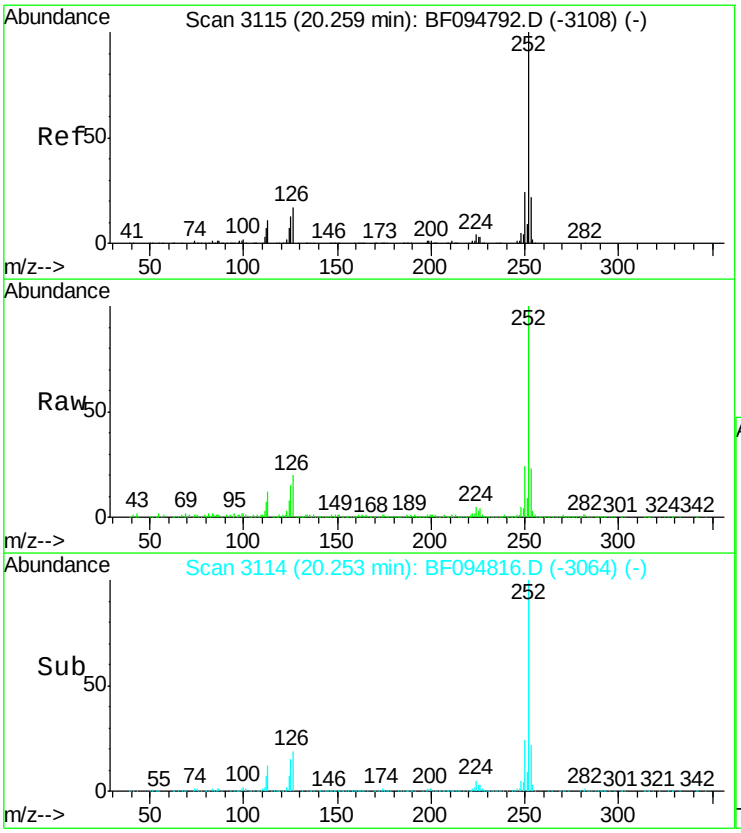
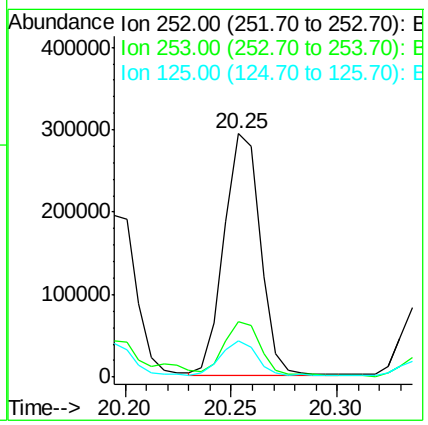
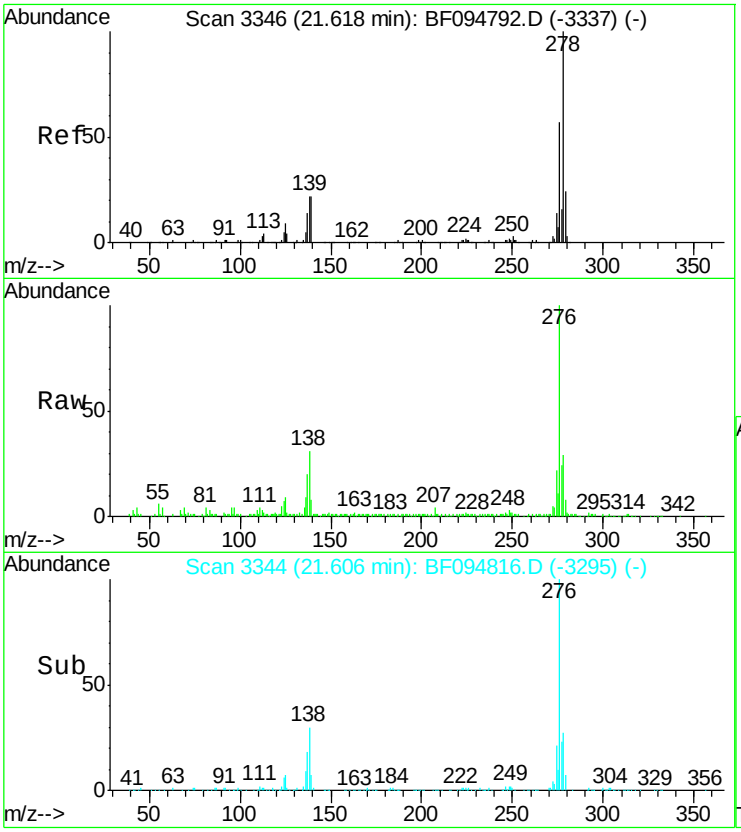


#89
Benzo(a)pyrene
Concen: 34.218 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:252 Resp: 350868

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.1	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 5.894 ng m
RT: 21.61 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:278 Resp: 49915

Ion	Ratio	Lower	Upper
278	100		
139	27.0	16.6	24.8#
279	27.9	19.3	28.9

Instrument :
BNA_F
ClientSampleId :
VNJ-210/72-11940/72-11932

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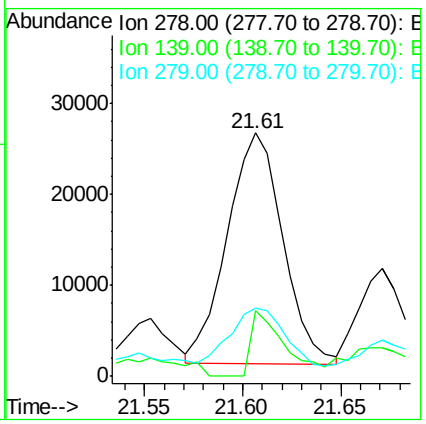

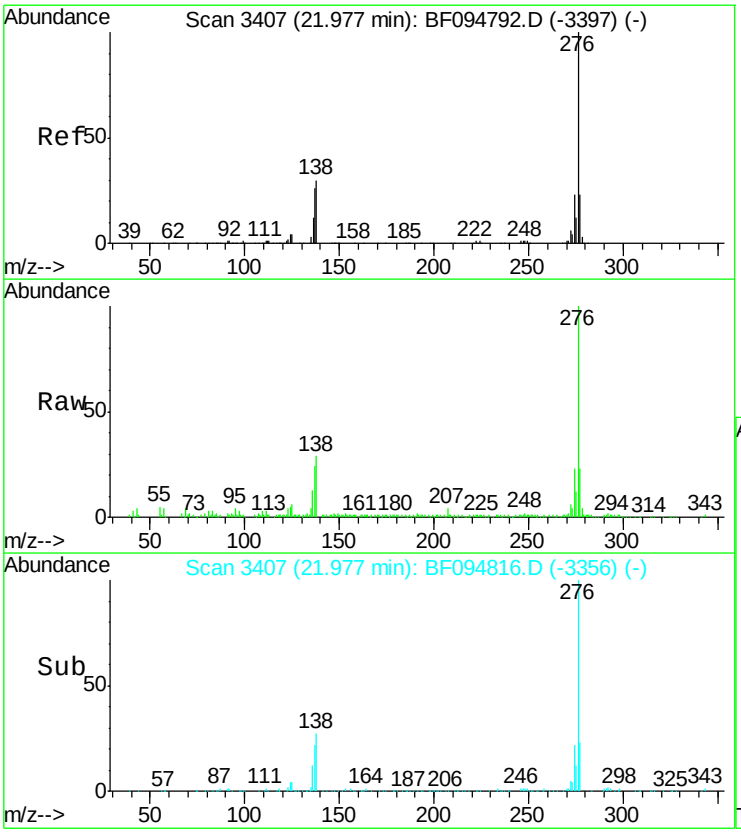

#91
Benzo(g,h,i)perylene
Concen: 19.306 ng
RT: 21.98 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BF094816.D
Acq: 3 May 2017 3:20

Tgt Ion:276 Resp: 160438

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	29.2	25.4	38.0