Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096666.D
Acq On : 12 Jul 2017 2:22
Operator : SJ/JU
Sample : I4130-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-P9-BASE

Manual Integrations APPROVED
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7/12/2017 4:57:43 PM

Quant Time: Jul 12 13:24:54 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	115619	20.00	ng		-0.01
21) Naphthalene-d8	7.97	136	385881	20.00	ng		-0.02
38) Acenaphthene-d10	9.73	164	167682	20.00	ng		0.00
63) Phenanthrene-d10	11.21	188	267972	20.00	ng		0.00
75) Chrysene-d12	13.83	240	207874	20.00	ng		-0.01
86) Perylene-d12	15.23	264	215776	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	768891	98.16	ng		-0.02
7) Phenol-d6	6.33	99	917329	95.26	ng		-0.02
23) Nitrobenzene-d5	7.25	82	502921	78.32	ng		-0.02
41) 2,4,6-Tribromophenol	10.52	330	121542	92.79	ng		0.00
44) 2-Fluorobiphenyl	9.05	172	620025	63.22	ng		-0.01
78) Terphenyl-d14	12.79	244	336108	34.55	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.34	94	88163	8.036	ng		95
11) bis(2-Chloroethyl)ether	6.42	93	157689	18.599	ng		90
12) 1,3-Dichlorobenzene	6.63	146	84022	9.593	ng		97
13) 1,4-Dichlorobenzene	6.70	146	300092	34.278	ng		97
14) 1,2-Dichlorobenzene	6.86	146	462934	57.592	ng		99
17) 2-Methylphenol	6.95	107	55437	8.327	ng		95
20) 3+4-Methylphenols	7.10	107	94736	12.758	ng	#	64
27) 2,4-Dimethylphenol	7.65	122	64214m	10.576	ng		
30) 1,2,4-Trichlorobenzene	7.92	180	32911m	6.660	ng		
31) Naphthalene	7.99	128	720153	39.532	ng		100
37) 2-Methylnaphthalene	8.69	142	865625	74.648	ng		99
45) 1,1'-Biphenyl	9.15	154	73602	5.123	ng		96
49) Dimethylphthalate	9.45	163	146996	11.743	ng	#	88
51) Acenaphthene	9.76	154	264719	25.313	ng		96
54) Dibenzofuran	9.93	168	144934m	10.497	ng		
57) Fluorene	10.27	166	257034	26.359	ng	#	93
70) Phenanthrene	11.24	178	1016820	70.194	ng		99
71) Anthracene	11.29	178	402884	27.293	ng		98
74) Fluoranthene	12.42	202	776382	54.665	ng		98
77) Pyrene	12.65	202	799816	47.935	ng		100
80) Benzo(a)anthracene	13.82	228	242768	20.167	ng		96
82) Chrysene	13.86	228	284297	22.553	ng	#	96
85) Indeno(1,2,3-cd)pyrene	16.56	276	82632	8.304	ng		97
87) Benzo(b)fluoranthene	14.84	252	240228m	17.768	ng		
88) Benzo(k)fluoranthene	14.86	252	82795m	6.846	ng		
89) Benzo(a)pyrene	15.17	252	144733	11.990	ng		97
90) Dibenzo(a,h)anthracene	16.57	278	25318	2.666	ng	#	82
91) Benzo(g,h,i)perylene	16.97	276	76158	7.739	ng		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096666.D
Acq On : 12 Jul 2017 2:22
Operator : SJ/JU
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Misc :
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Quant Time: Jul 12 13:24:54 2017
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QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

Manual Integrations APPROVED
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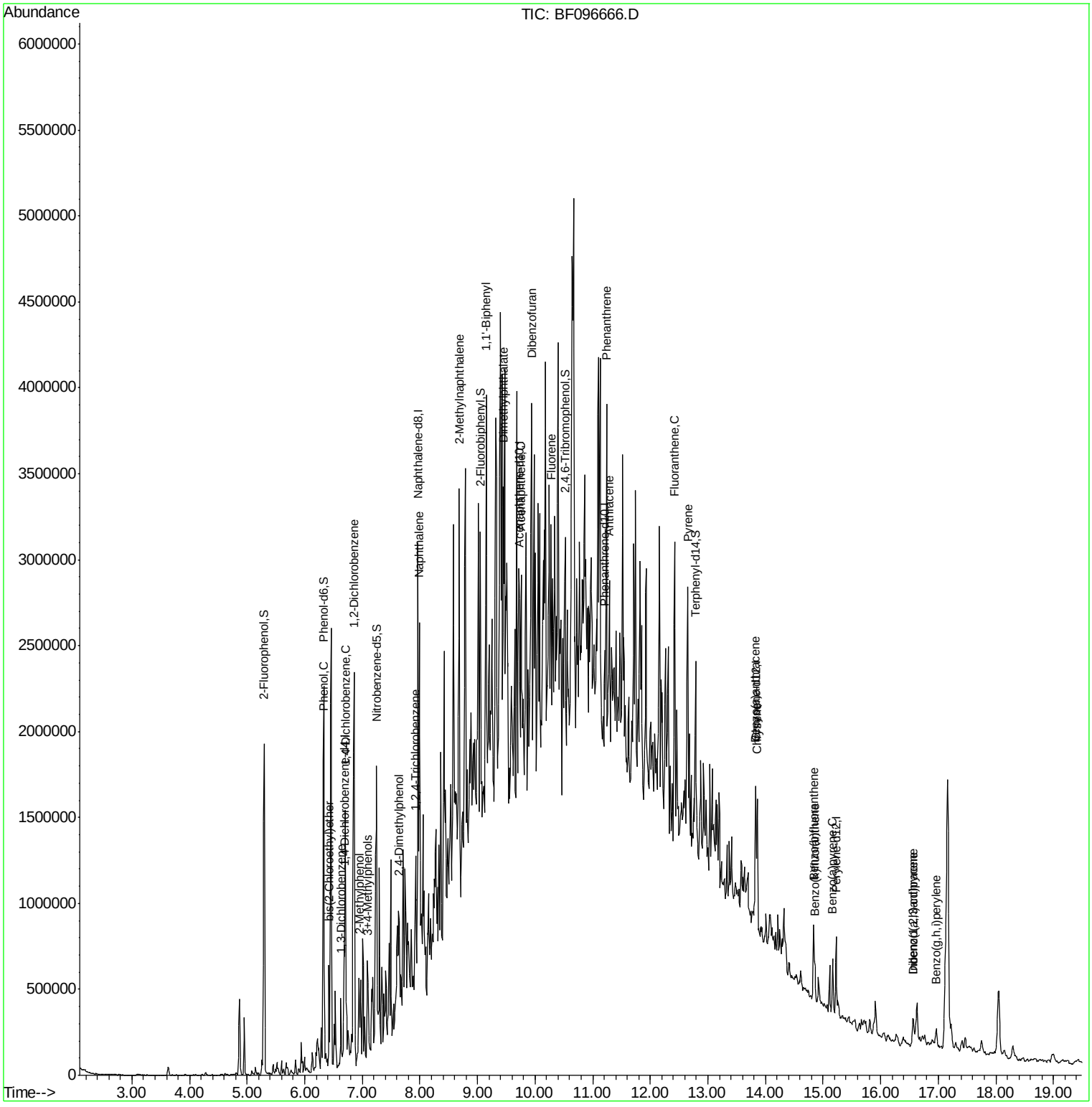
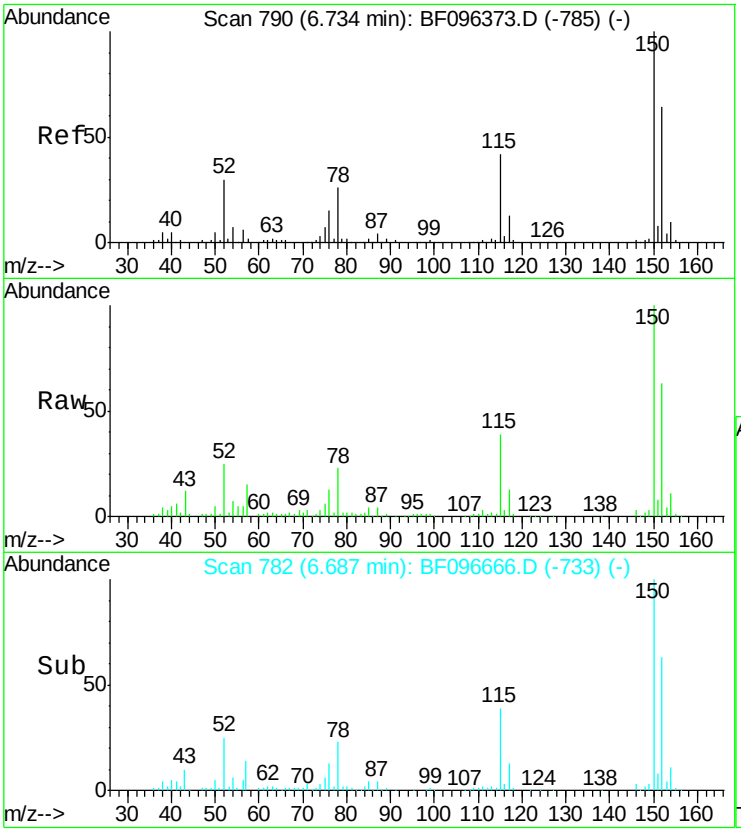
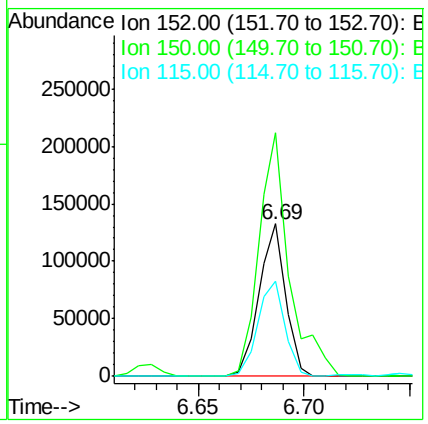




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:152 Resp: 115619

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	62.4	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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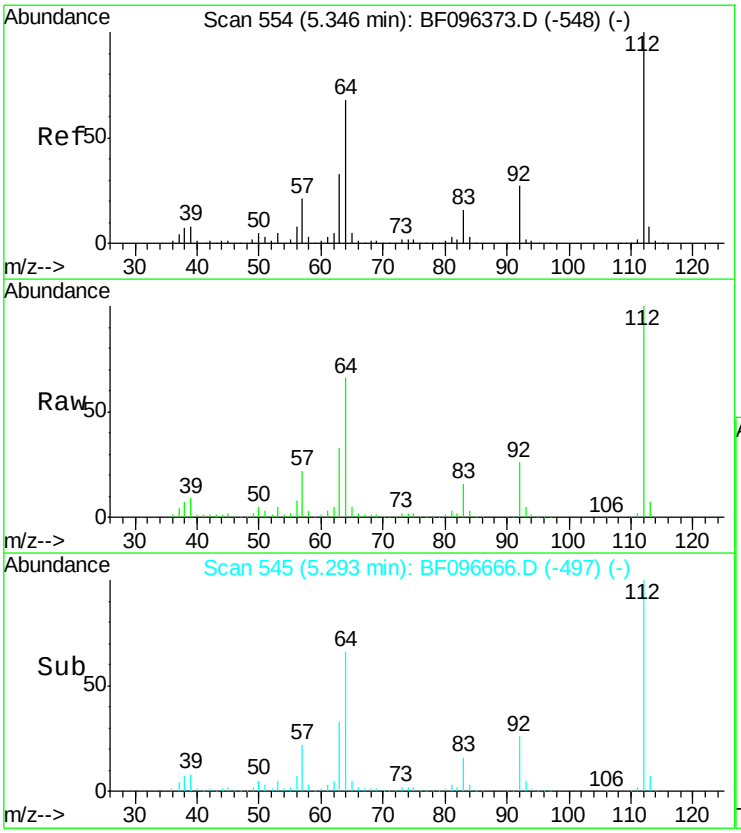
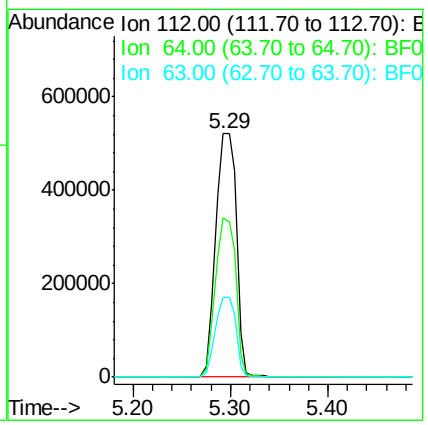
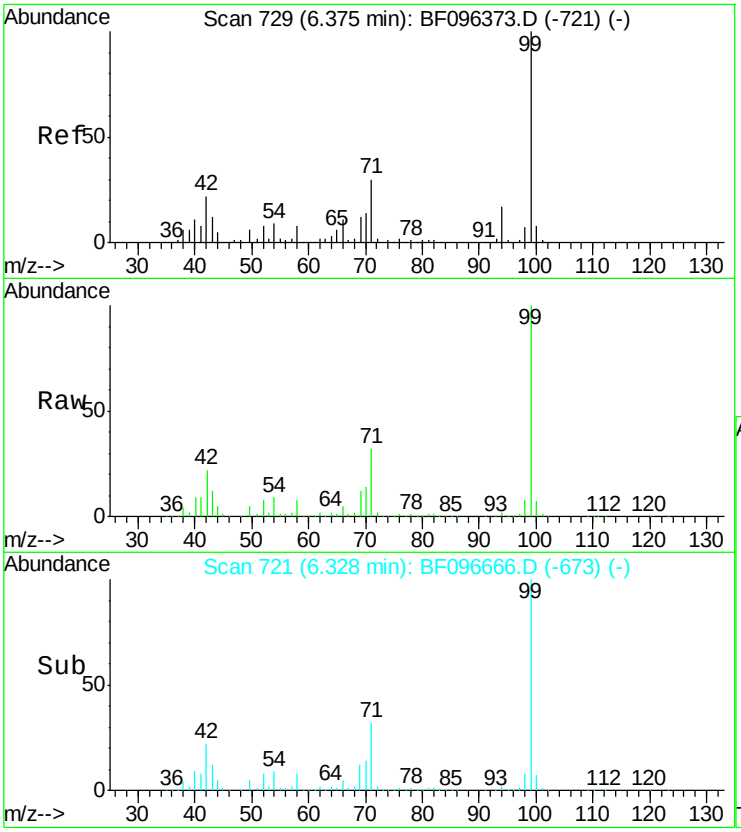


#5
2-Fluorophenol
Concen: 98.155 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:112 Resp: 768891

Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	32.8	23.4	35.0

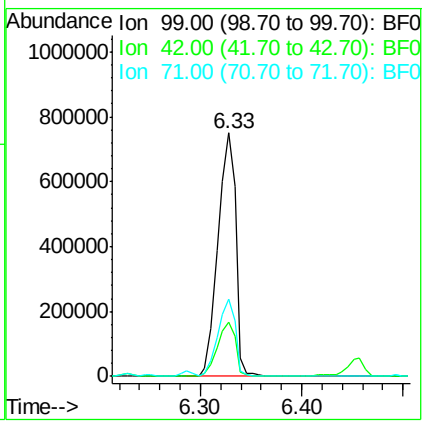




#7
Phenol-d6
Concen: 95.256 ng
RT: 6.33 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion: 99 Resp: 917329

Ion	Ratio	Lower	Upper
99	100		
42	22.1	13.5	20.3#
71	31.7	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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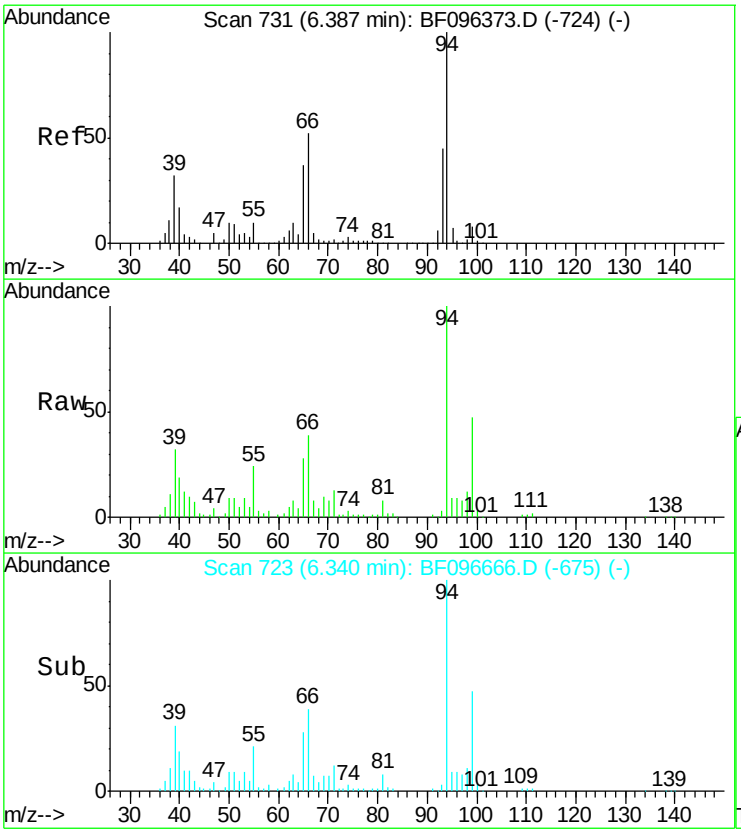
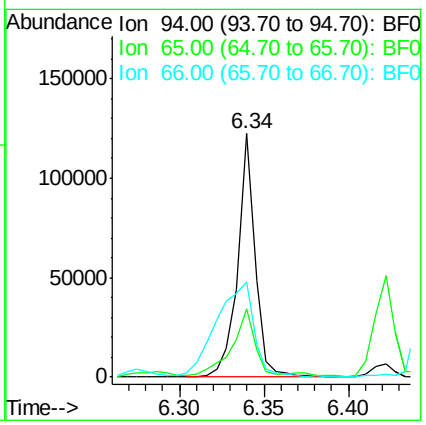
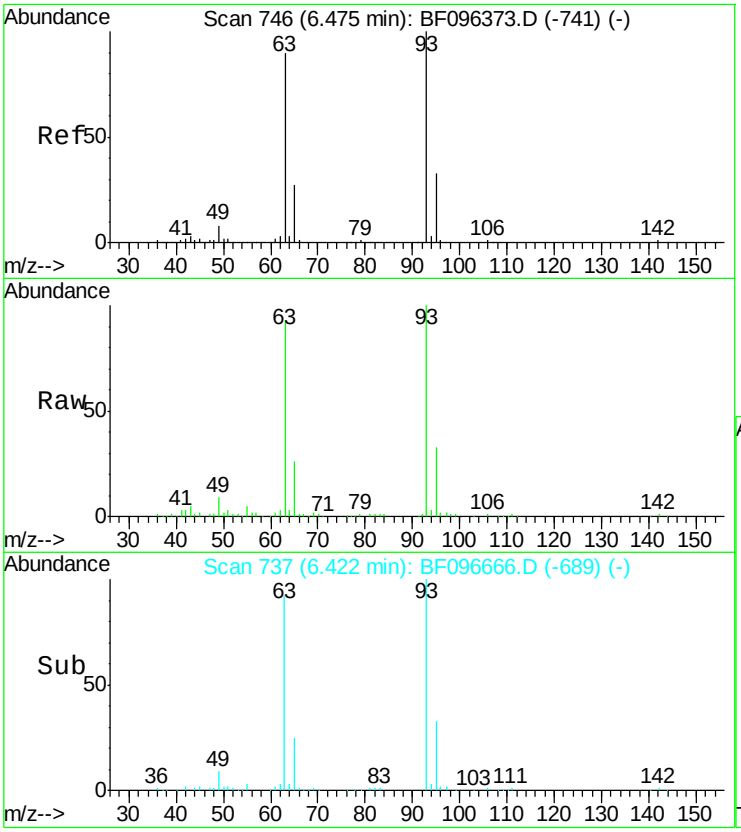


#10
Phenol
Concen: 8.036 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion: 94 Resp: 88163

Ion	Ratio	Lower	Upper
94	100		
65	28.0	9.9	49.9
66	39.0	23.1	63.1

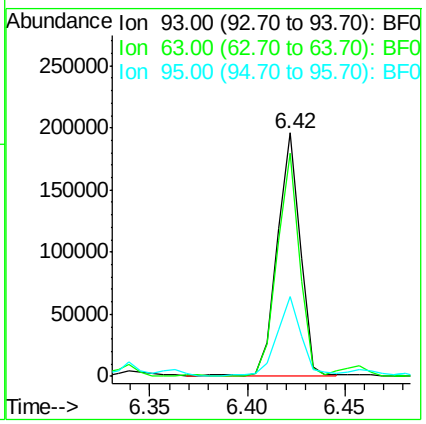




#11
bis(2-Chloroethyl)ether
Concen: 18.599 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion: 93 Resp: 157689

Ion	Ratio	Lower	Upper
93	100		
63	91.9	59.2	99.2
95	32.7	12.8	52.8



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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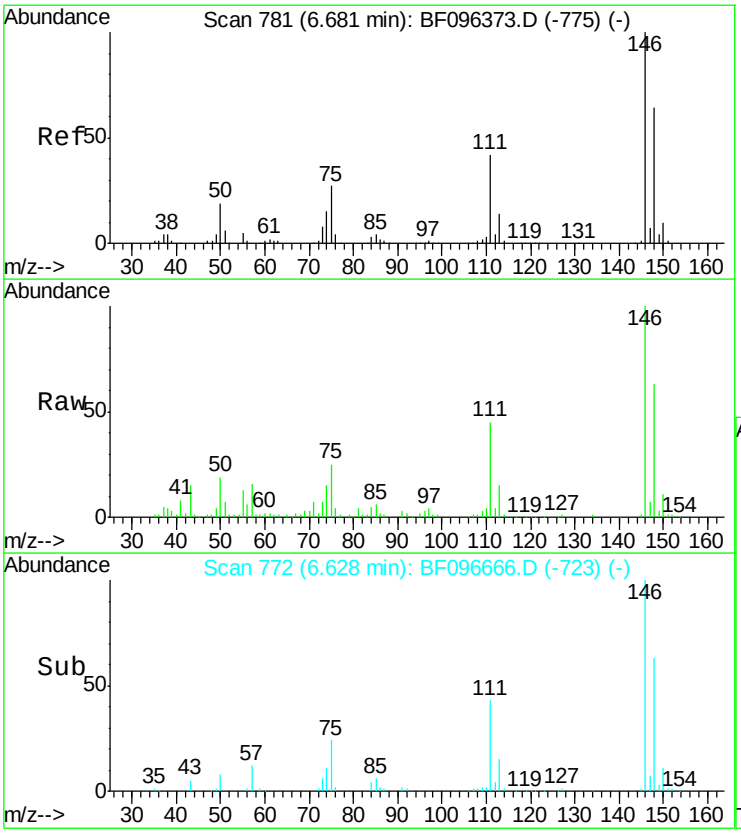
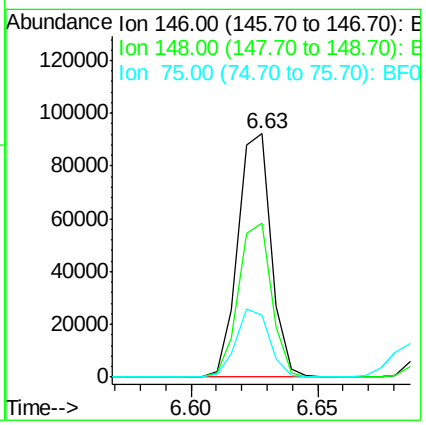
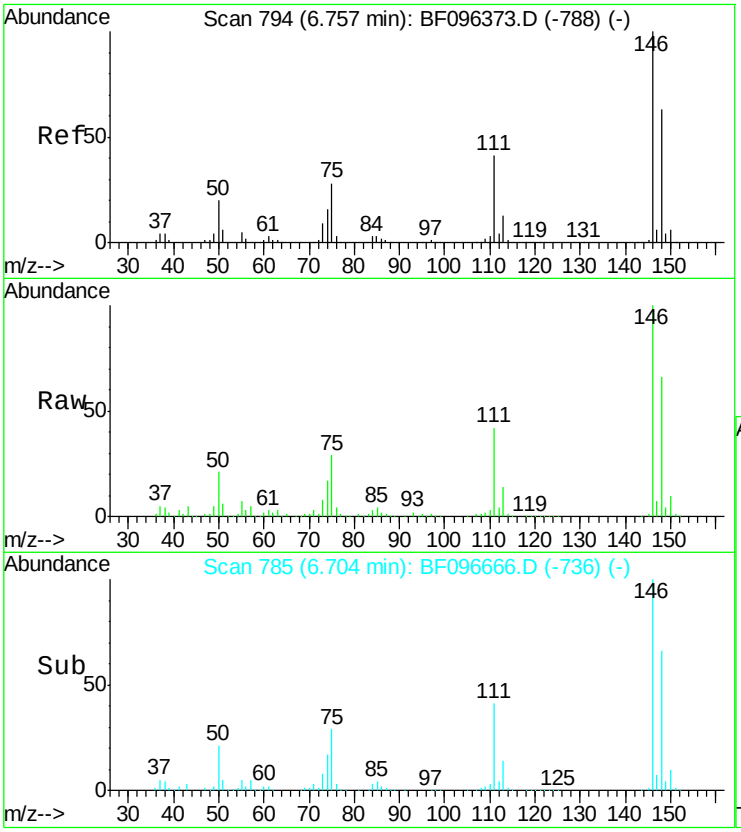


#12
1,3-Dichlorobenzene
Concen: 9.593 ng
RT: 6.63 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:146 Resp: 84022

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.6
75	25.5	23.1	34.7

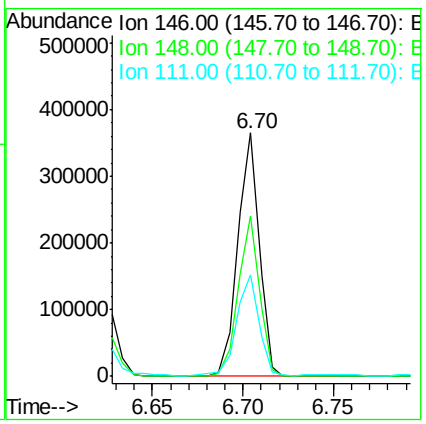




#13
1,4-Dichlorobenzene
Concen: 34.278 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:146 Resp: 300092

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.2	78.2
111	41.8	30.3	45.5



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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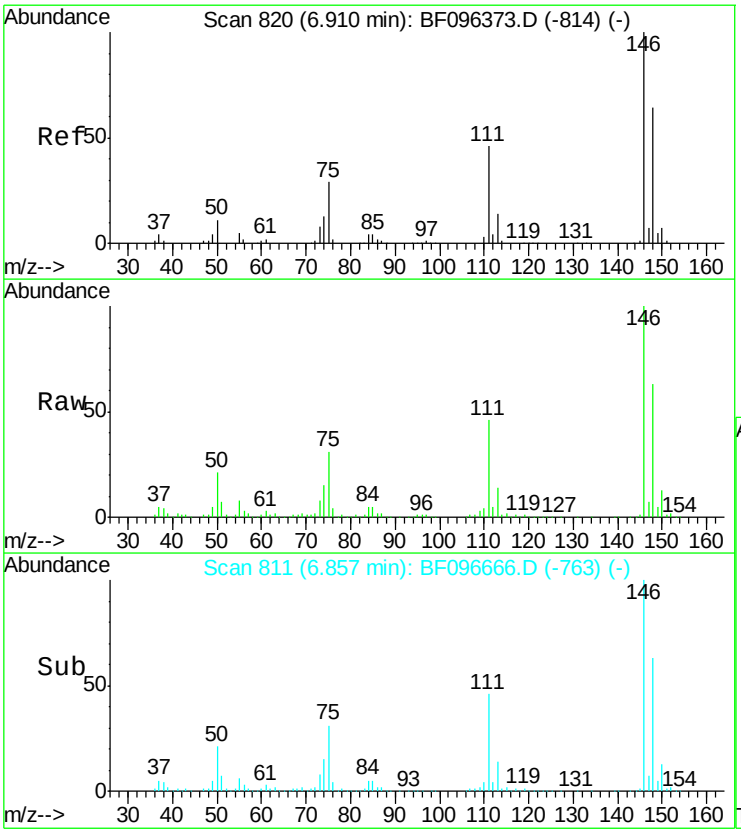
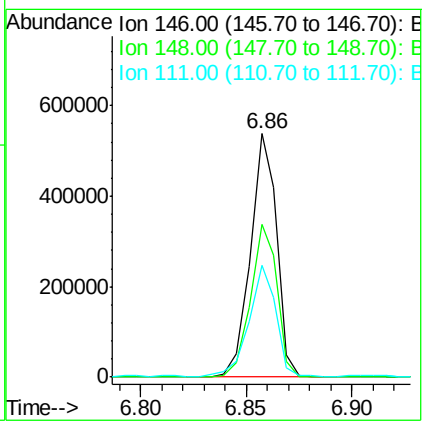
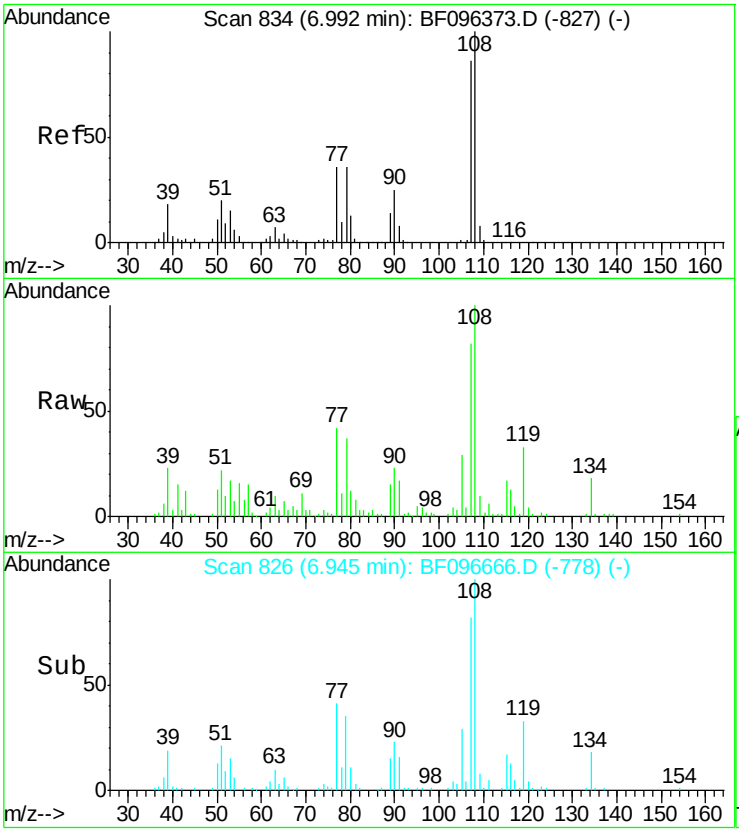


#14
1,2-Dichlorobenzene
Concen: 57.592 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:146 Resp: 462934

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.4	75.6
111	45.8	38.2	57.4

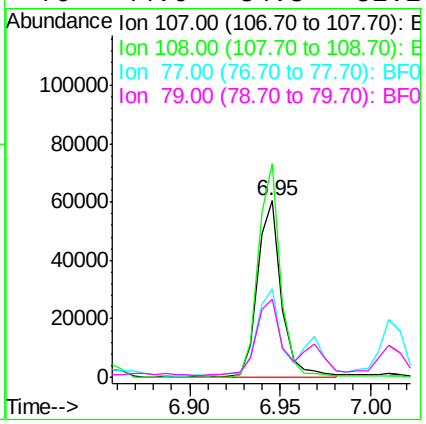




#17
2-Methylphenol
Concen: 8.327 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:107 Resp: 55437

Ion	Ratio	Lower	Upper
107	100		
108	121.3	93.4	140.0
77	50.5	35.8	53.6
79	44.6	34.8	52.2



Instrument :
BNA_F
ClientSampleId :
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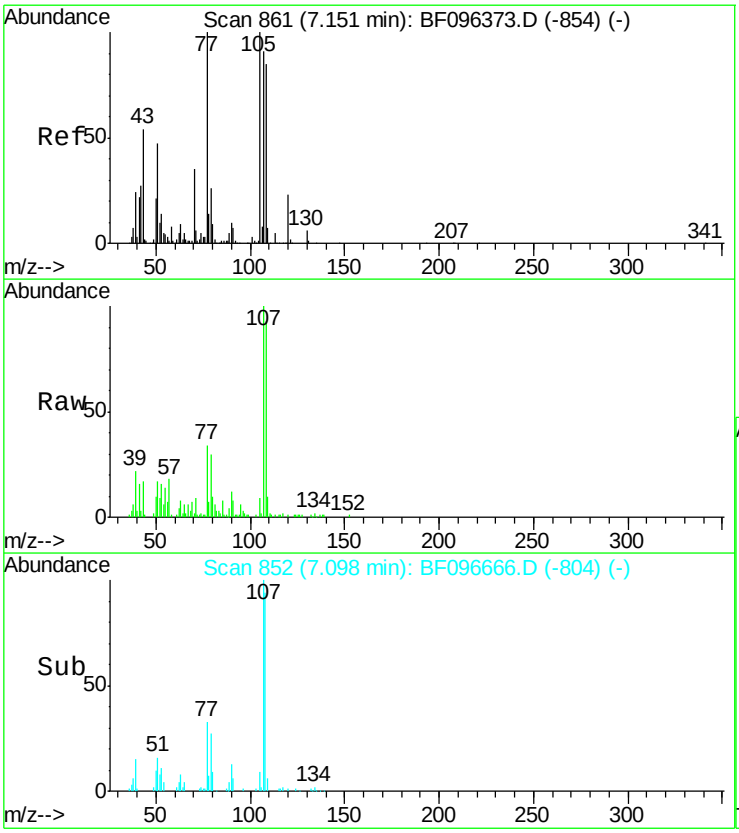
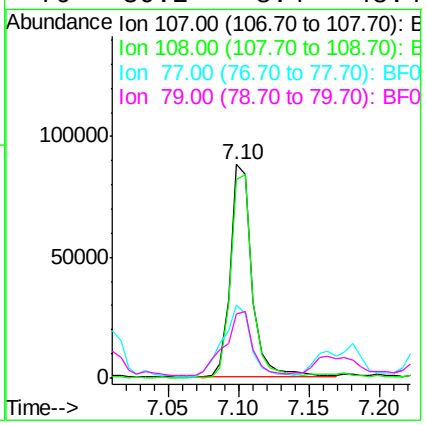
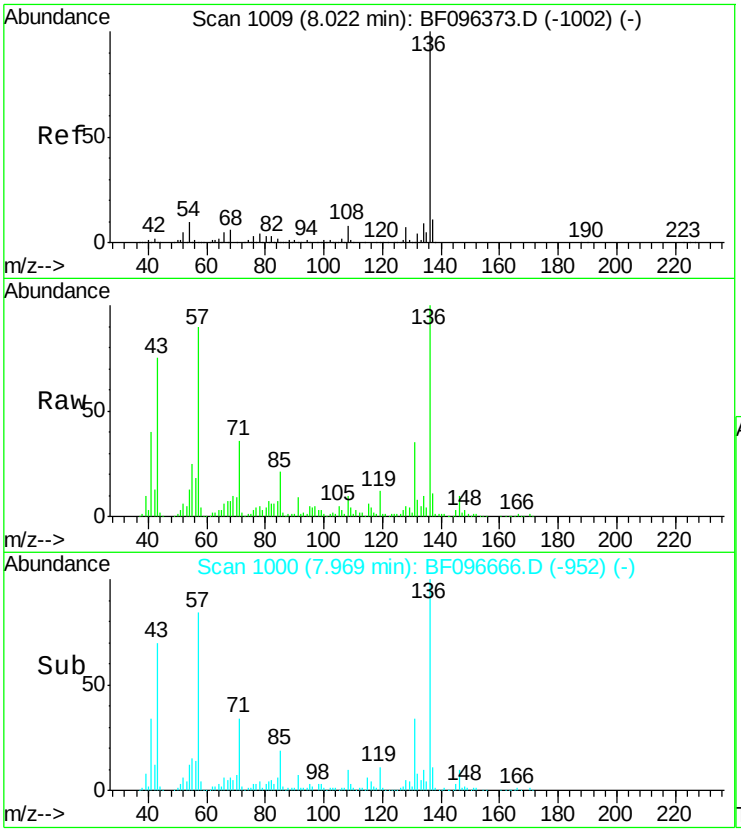


#20
3+4-Methylphenols
Concen: 12.758 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:107 Resp: 94736

Ion	Ratio	Lower	Upper
107	100		
108	93.0	71.0	111.0
77	34.0	90.5	130.5#
79	30.2	8.4	48.4

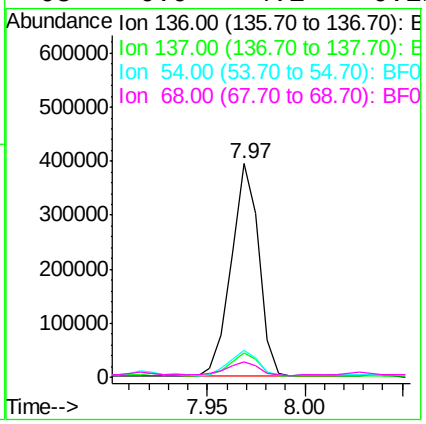




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:136 Resp: 385881

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	12.7	4.9	7.3#
68	6.9	4.1	6.1#



Instrument :
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ClientSampleId :
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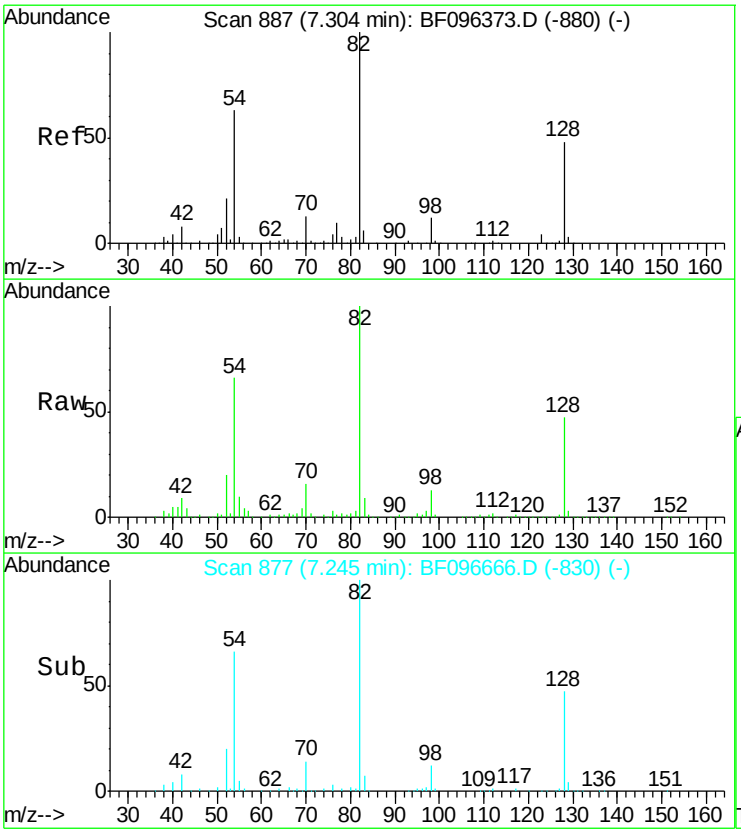
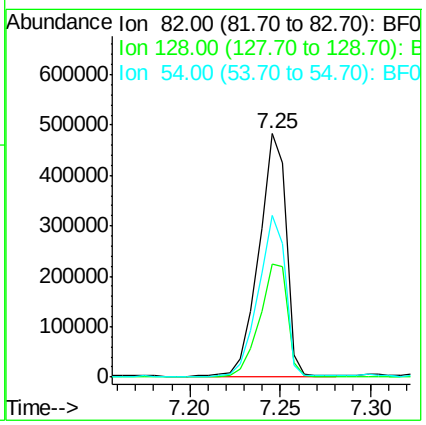
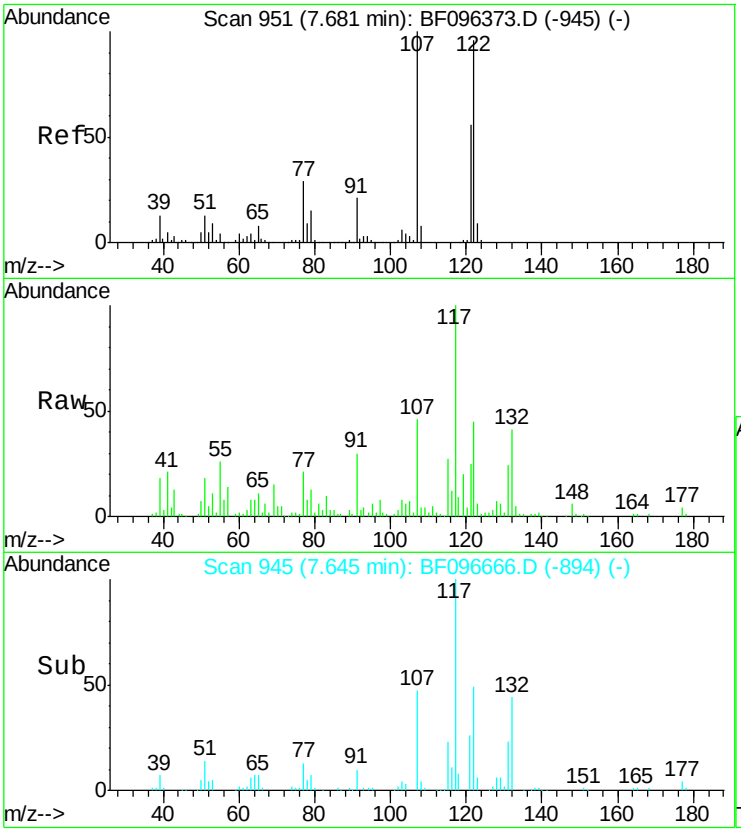


#23
Nitrobenzene-d5
Concen: 78.317 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion: 82 Resp: 502921

Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	66.3	42.2	63.2#

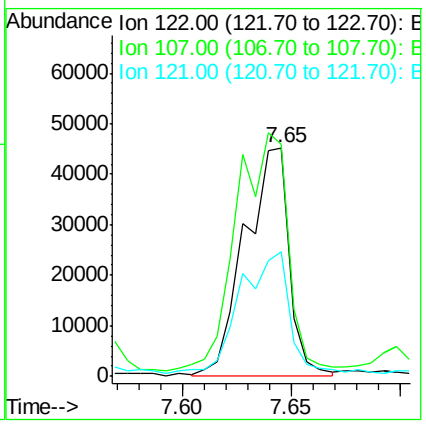




#27
2,4-Dimethylphenol
Concen: 10.576 ng m
RT: 7.65 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:122 Resp: 64214

Ion	Ratio	Lower	Upper
122	100		
107	101.4	89.2	133.8
121	54.3	45.2	67.8



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

Manual Integrations APPROVED
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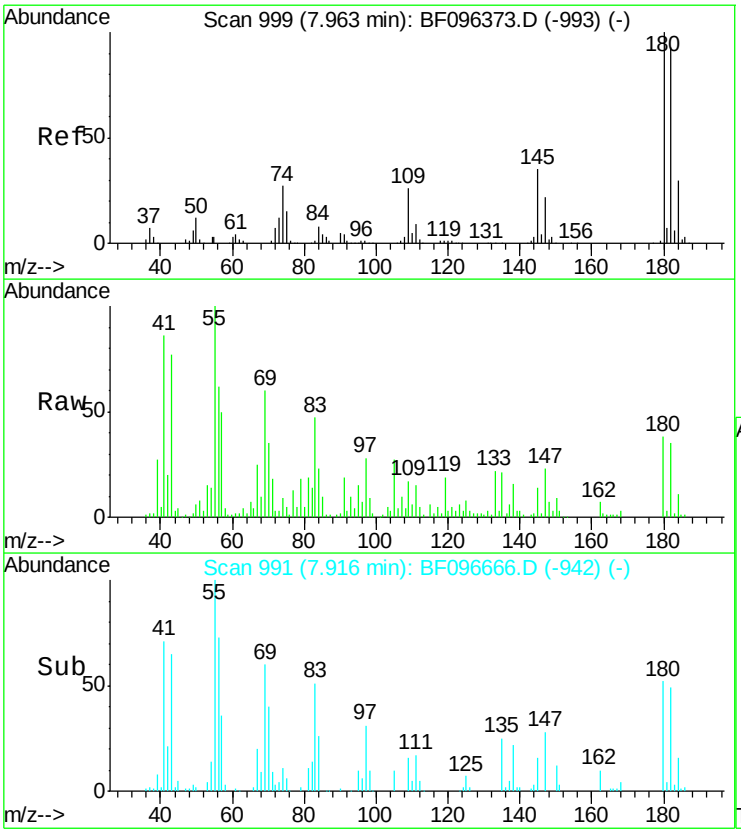
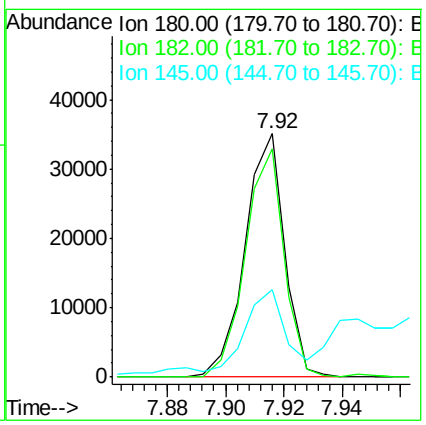
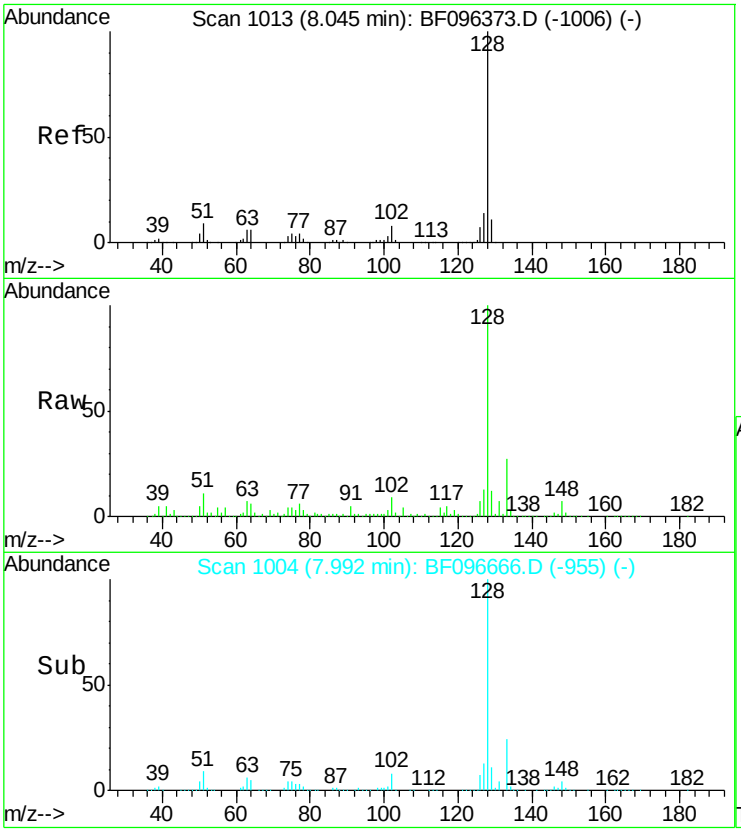


#30
1,2,4-Trichlorobenzene
Concen: 6.660 ng m
RT: 7.92 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:180 Resp: 32911

Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.8	113.6
145	36.1	25.3	37.9

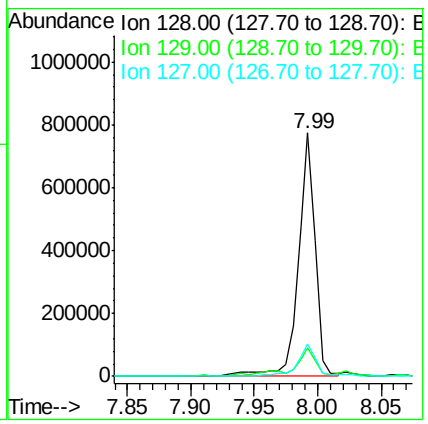




#31
Naphthalene
Concen: 39.532 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:128 Resp: 720153

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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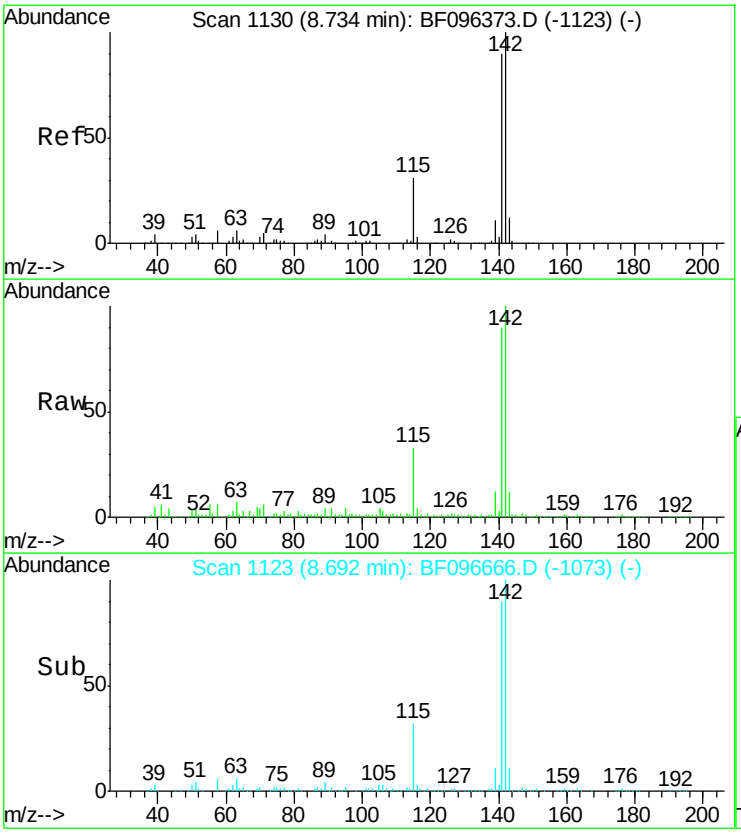
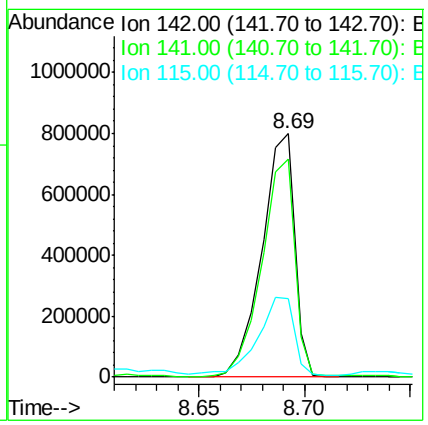
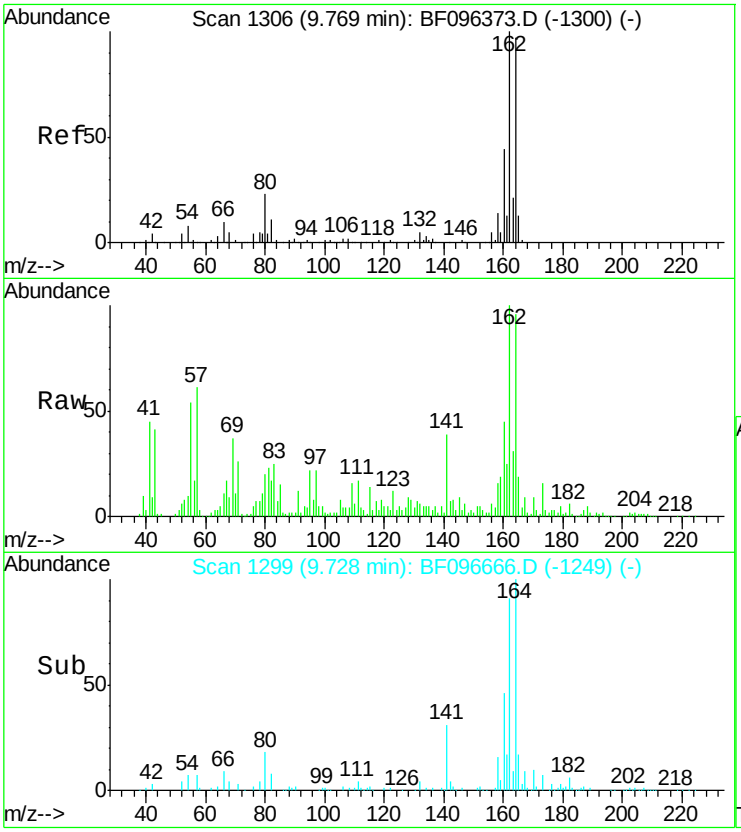


#37
2-Methylnaphthalene
Concen: 74.648 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:142 Resp: 865625

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	32.5	27.1	40.7

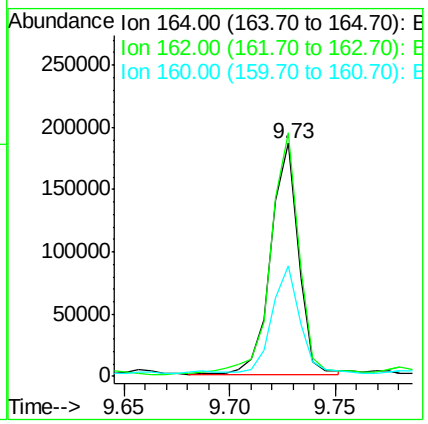




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:164 Resp: 167682

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	47.4	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
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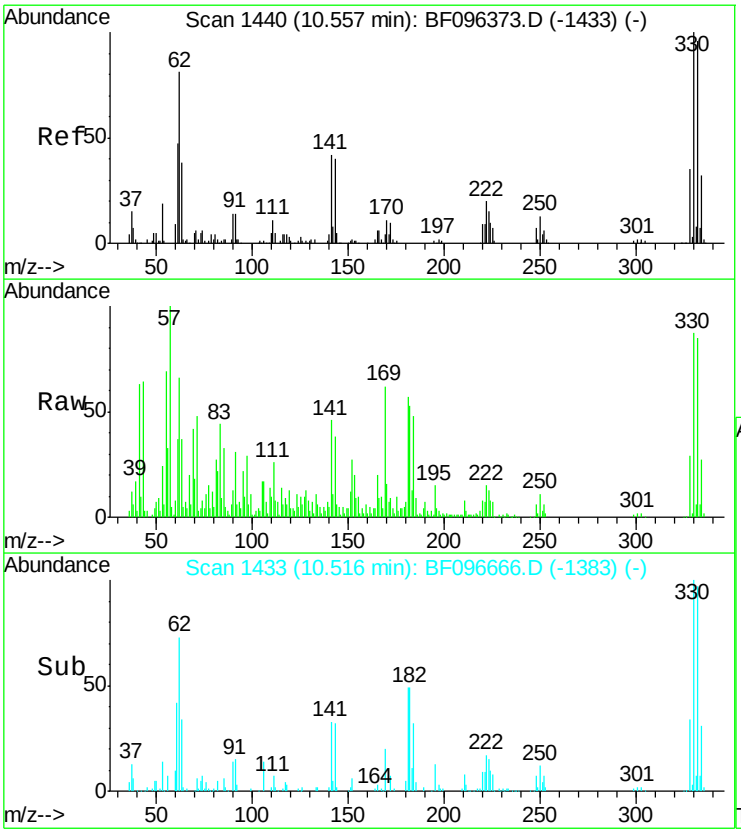
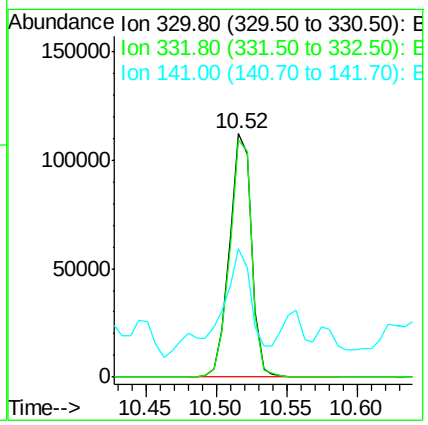
7/12/2017 4:57:43 PM

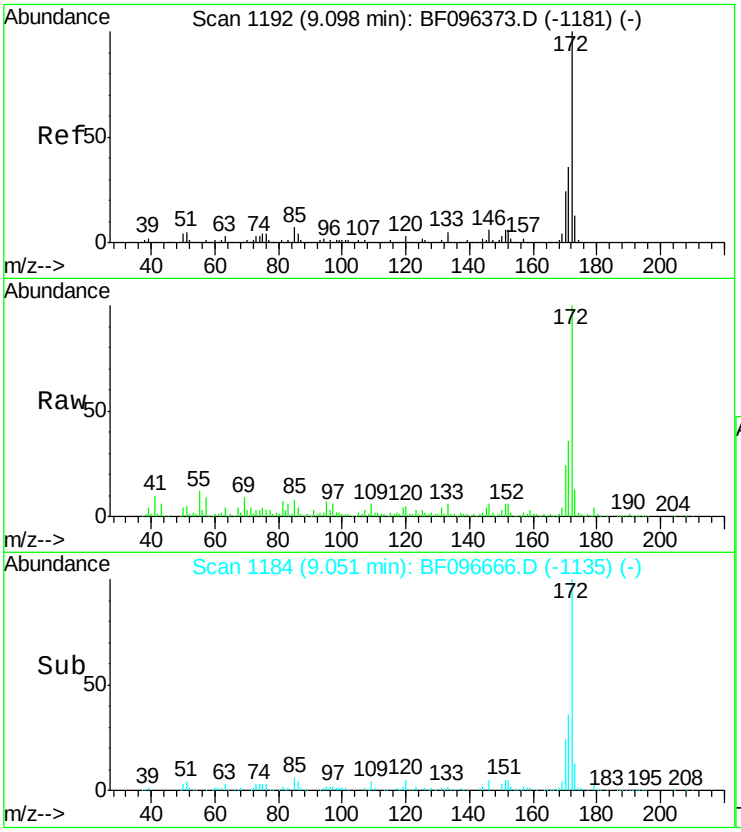


#41
2,4,6-Tribromophenol
Concen: 92.794 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:330 Resp: 121542

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	62.7	31.4	47.2#

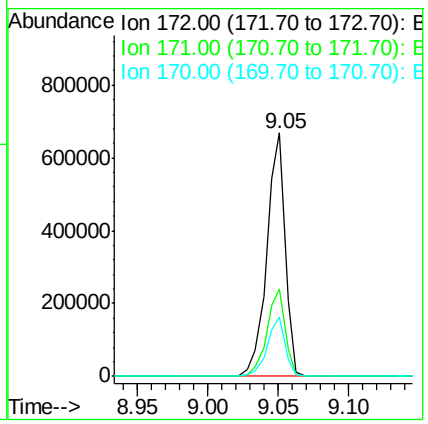




#44
2-Fluorobiphenyl
Concen: 63.221 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:172 Resp: 620025

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.2	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
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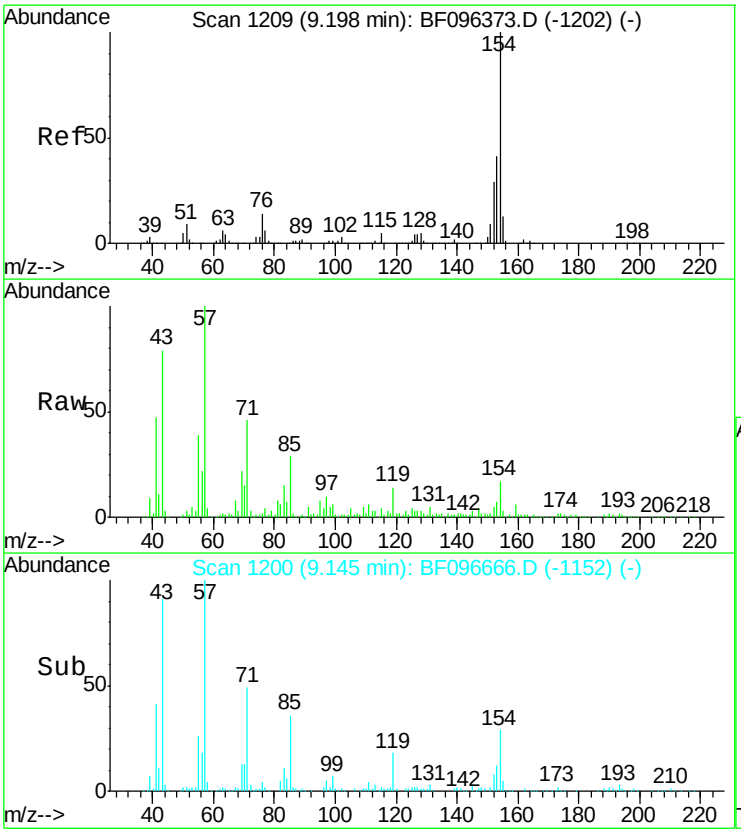
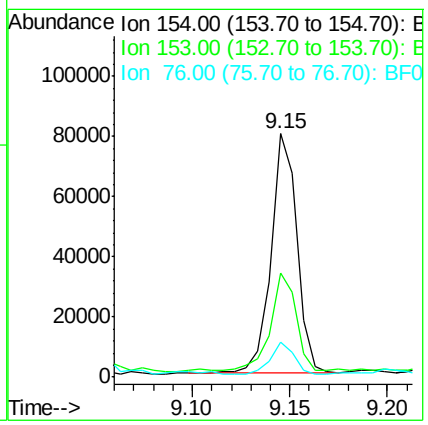
7/12/2017 4:57:43 PM

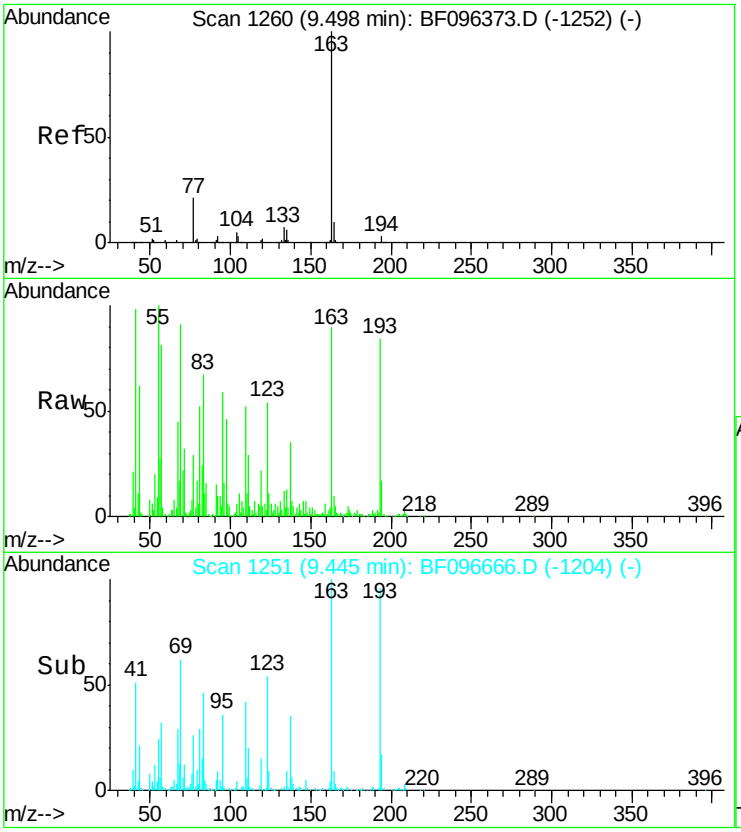


#45
1,1'-Biphenyl
Concen: 5.123 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:154 Resp: 73602

Ion	Ratio	Lower	Upper
154	100		
153	42.8	21.2	61.2
76	14.3	0.0	29.9

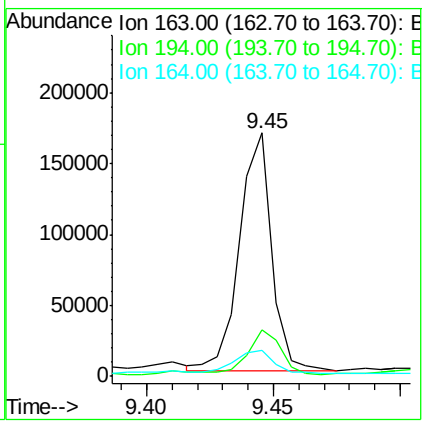




#49
Dimethylphthalate
Concen: 11.743 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:163 Resp: 146996

Ion	Ratio	Lower	Upper
163	100		
194	19.0	2.6	4.0#
164	10.7	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
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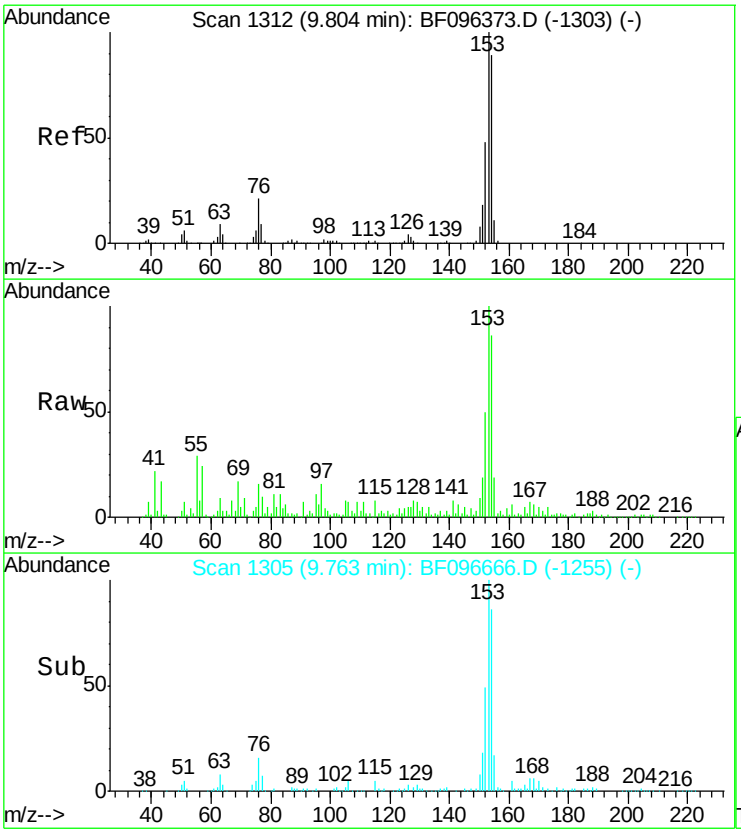
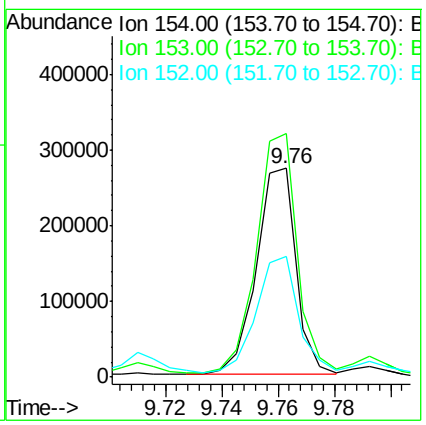
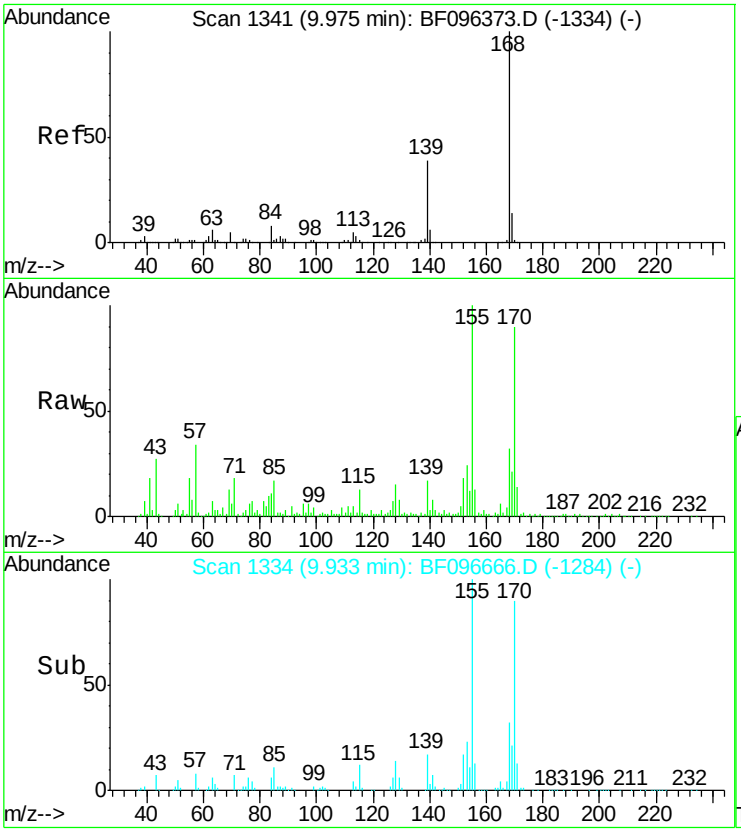


#51
Acenaphthene
Concen: 25.313 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:154 Resp: 264719

Ion	Ratio	Lower	Upper
154	100		
153	116.6	90.5	135.7
152	58.0	43.6	65.4





#54
Dibenzofuran
Concen: 10.497 ng m
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:168 Resp: 144934

Ion	Ratio	Lower	Upper
168	100		
139	54.8	30.6	45.8#
169	66.0	10.8	16.2#

Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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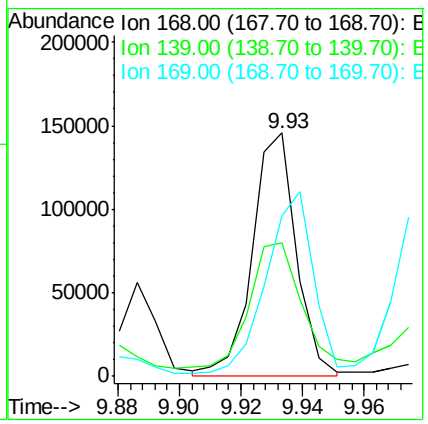
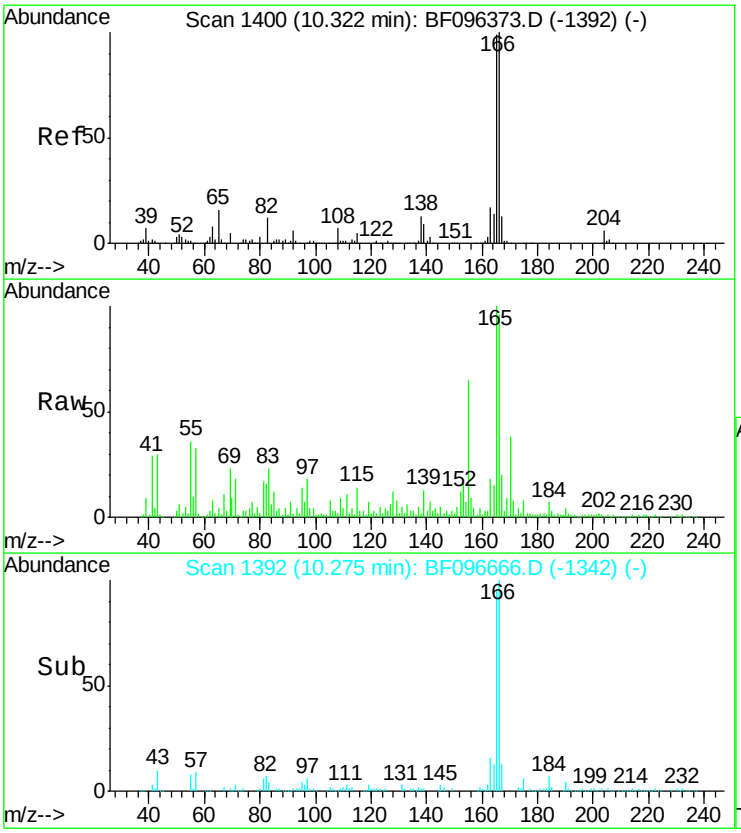
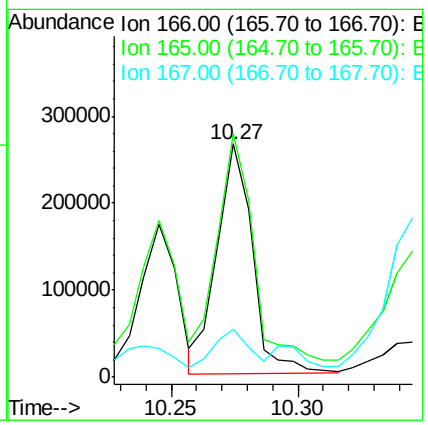


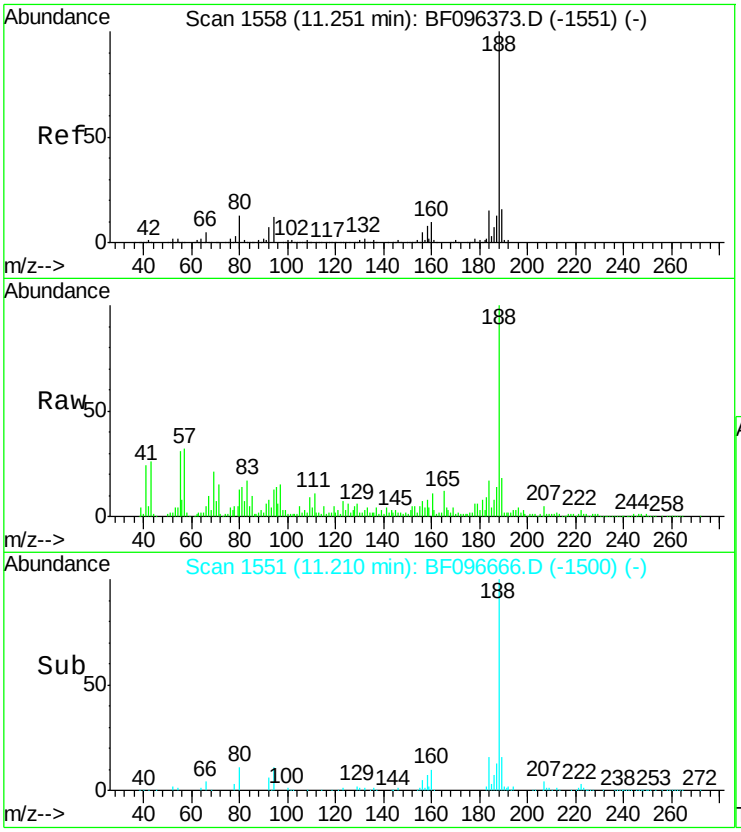


#57
Fluorene
Concen: 26.359 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:166 Resp: 257034

Ion	Ratio	Lower	Upper
166	100		
165	104.4	78.8	118.2
167	20.7	10.6	16.0#

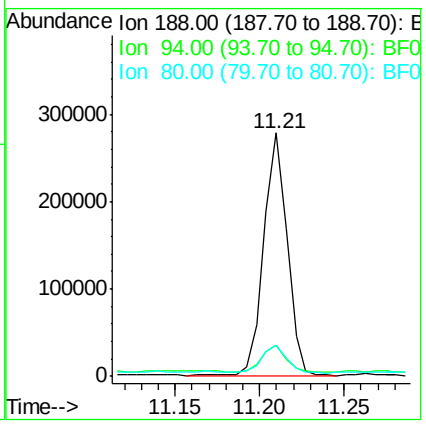




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:188 Resp: 267972

Ion	Ratio	Lower	Upper
188	100		
94	12.6	9.4	14.2
80	12.8	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
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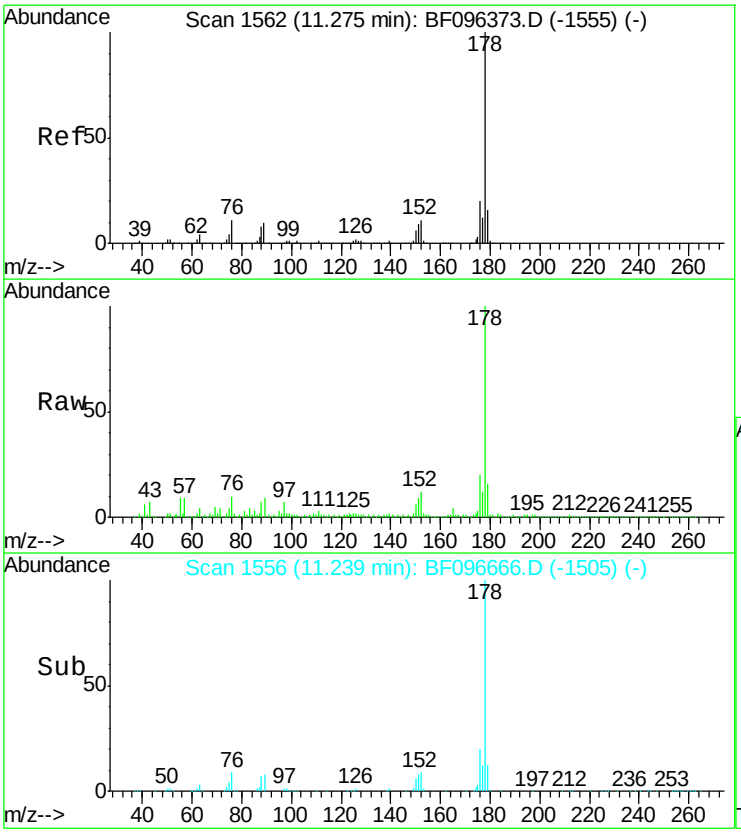
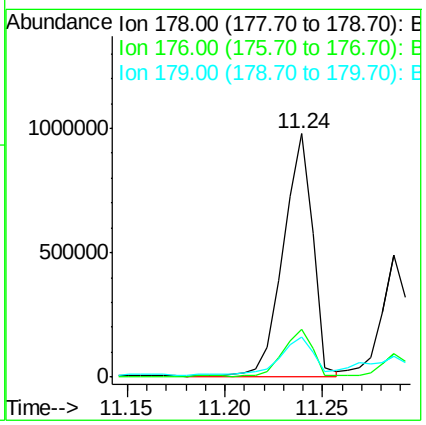
7/12/2017 4:57:43 PM

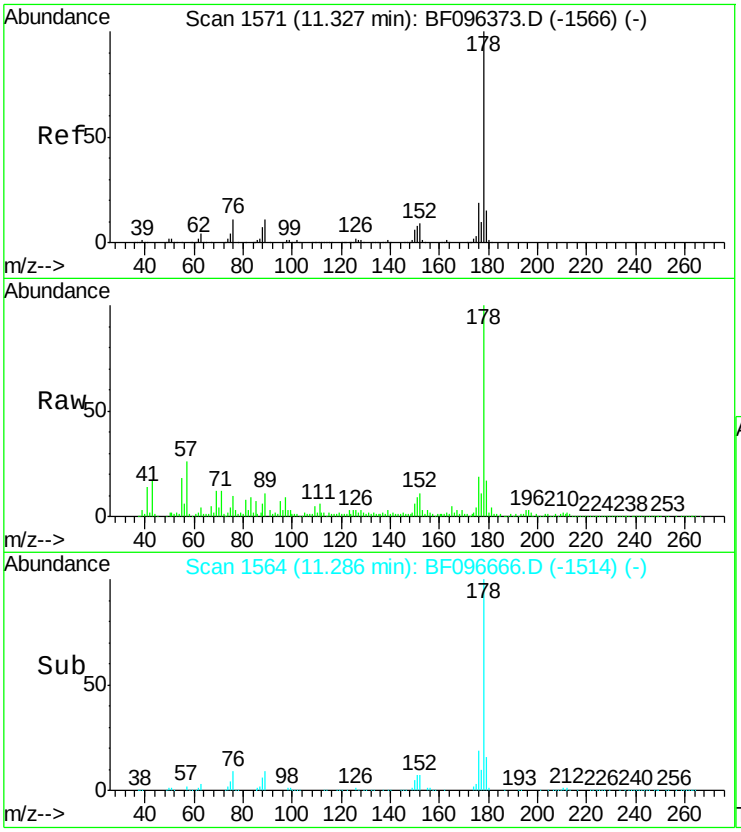


#70
Phenanthrene
Concen: 70.194 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:178 Resp: 1016820

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	16.5	12.6	19.0

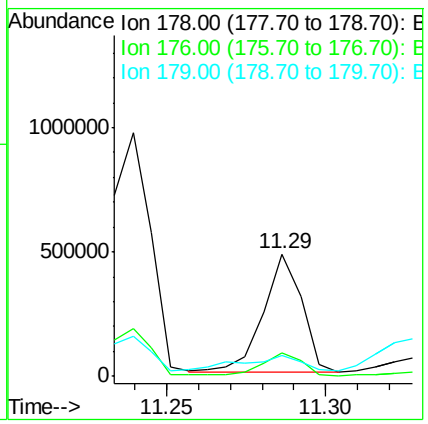




#71
Anthracene
Concen: 27.293 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:178 Resp: 402884

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	17.4	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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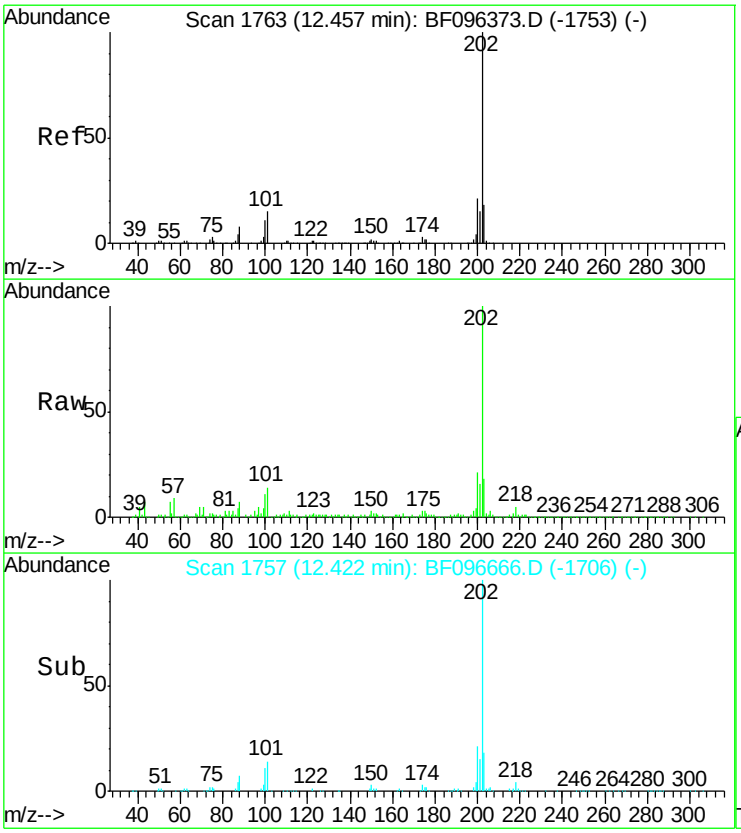
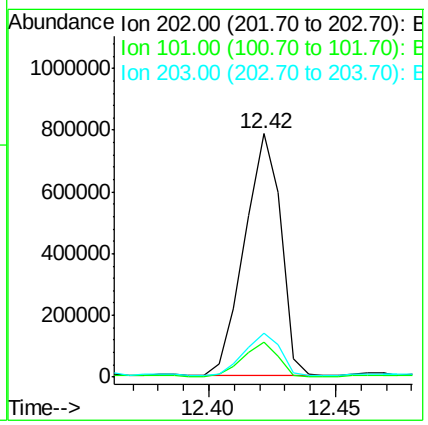
7/12/2017 4:57:43 PM

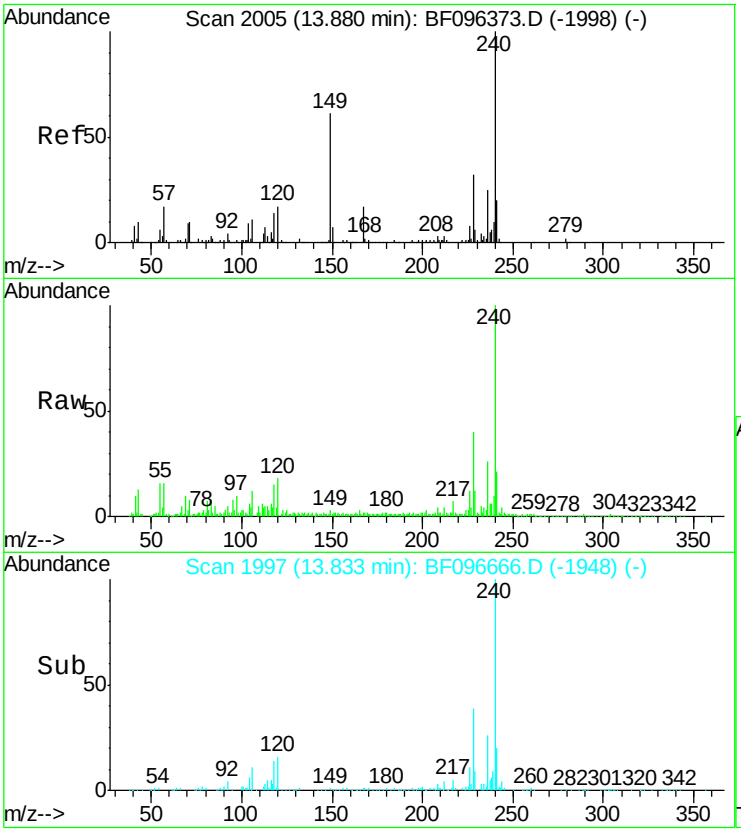


#74
Fluoranthene
Concen: 54.665 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:202 Resp: 776382

Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	18.3	0.0	38.1

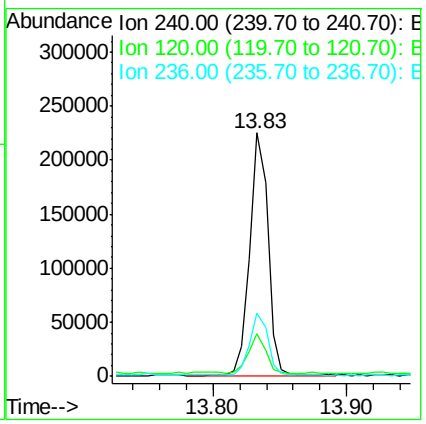




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:240 Resp: 207874

Ion	Ratio	Lower	Upper
240	100		
120	17.6	5.8	8.8#
236	26.1	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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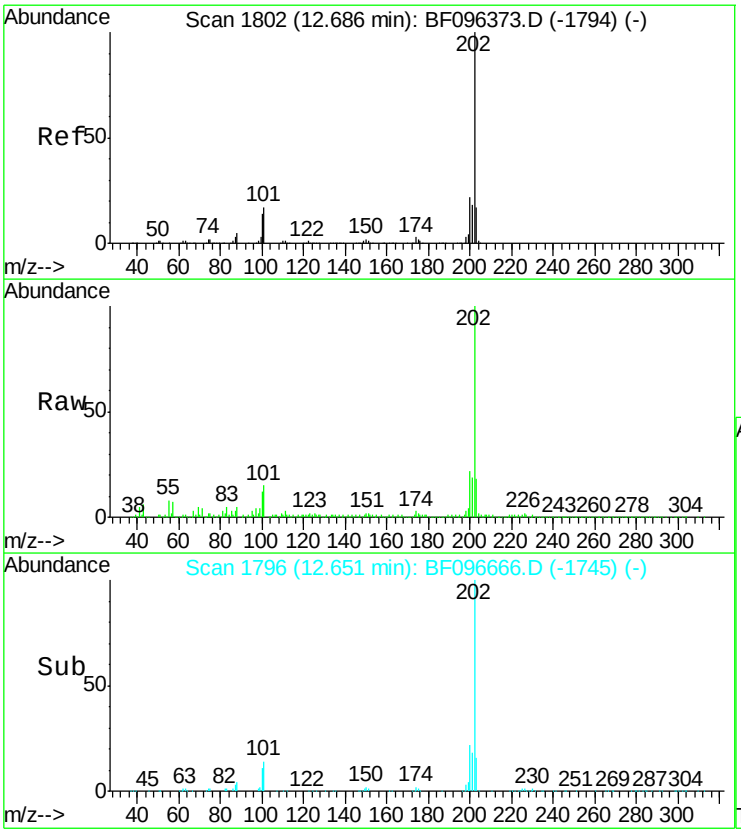
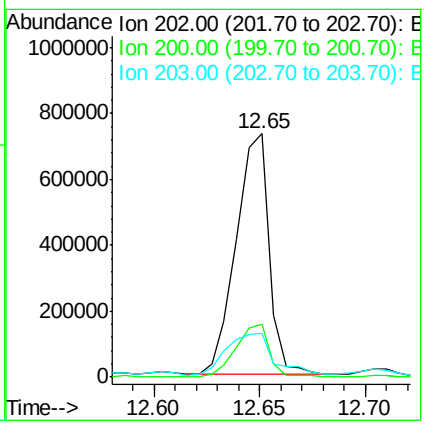
7/12/2017 4:57:43 PM

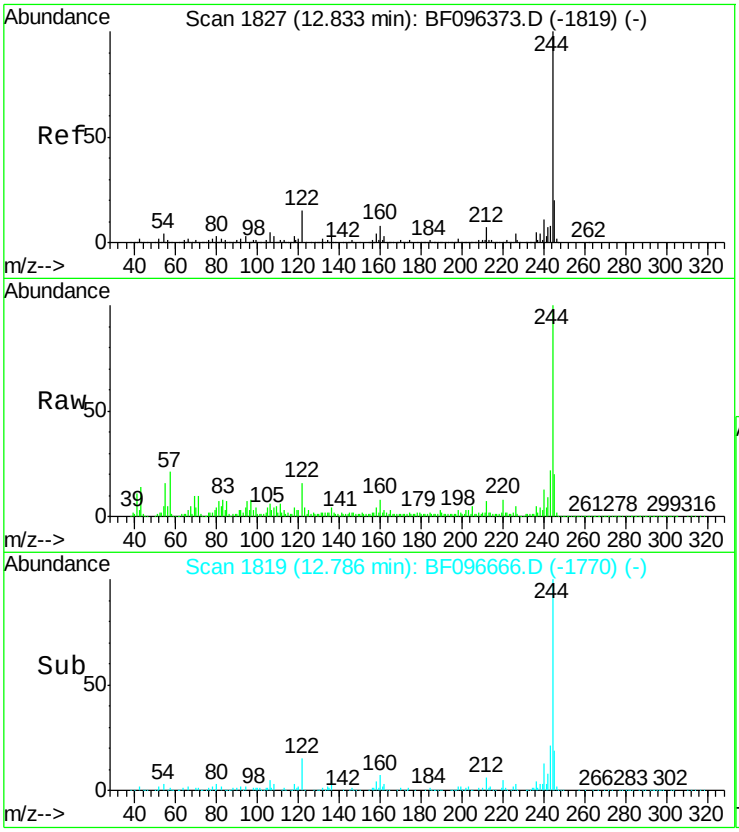


#77
Pyrene
Concen: 47.935 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:202 Resp: 799816

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.1	14.4	21.6





#78
Terphenyl-d14
Concen: 34.550 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:244 Resp: 336108

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	15.8	10.3	15.5#

Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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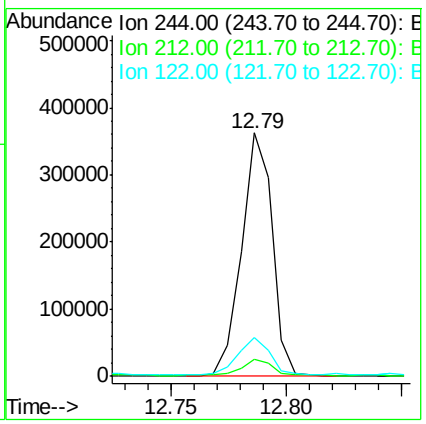
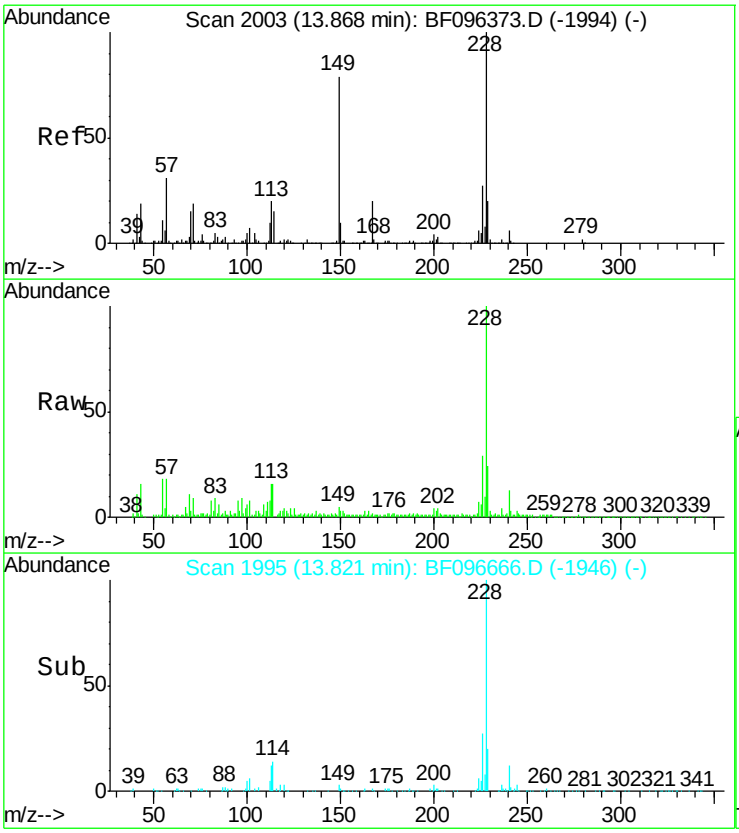
7/12/2017 4:57:43 PM

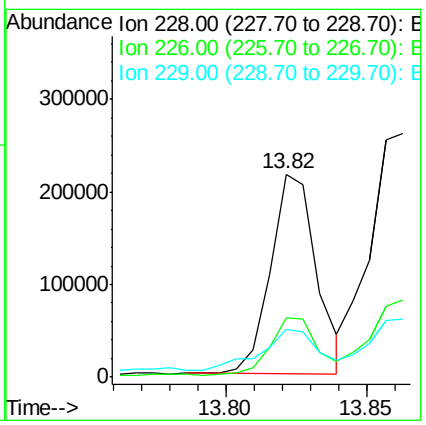


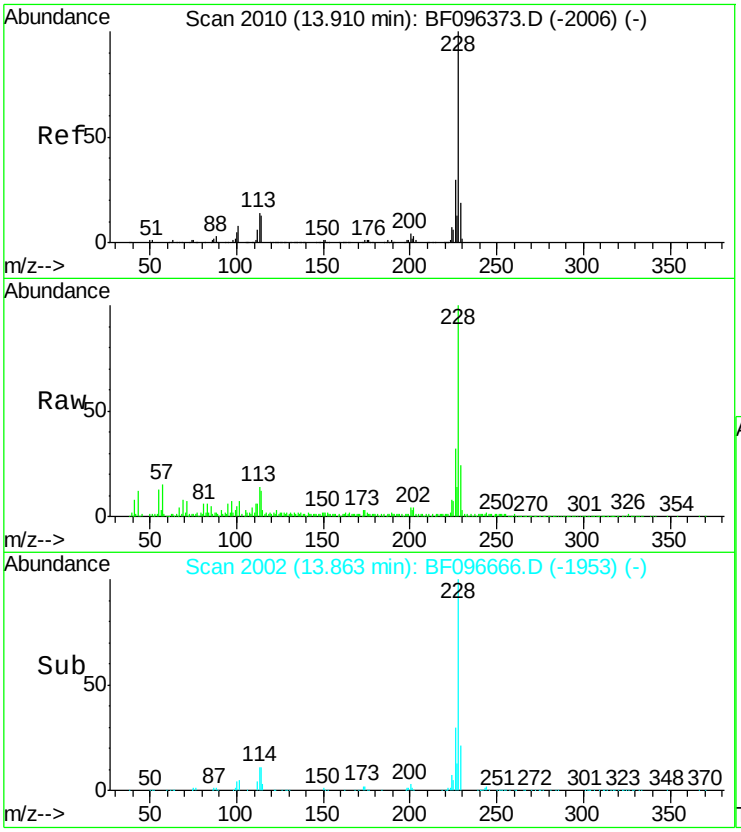


#80
Benzo(a)anthracene
Concen: 20.167 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:228 Resp: 242768

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	23.8	16.3	24.5





#82
Chrysene
Concen: 22.553 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:228 Resp: 284297

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	24.1	15.8	23.6#

Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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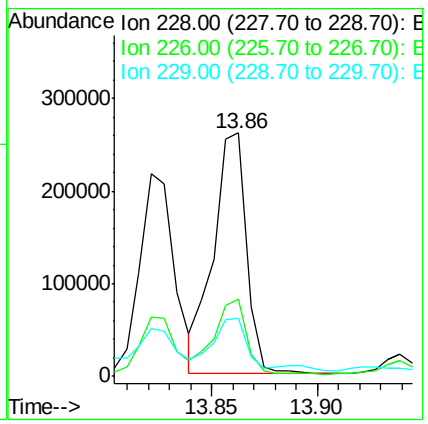
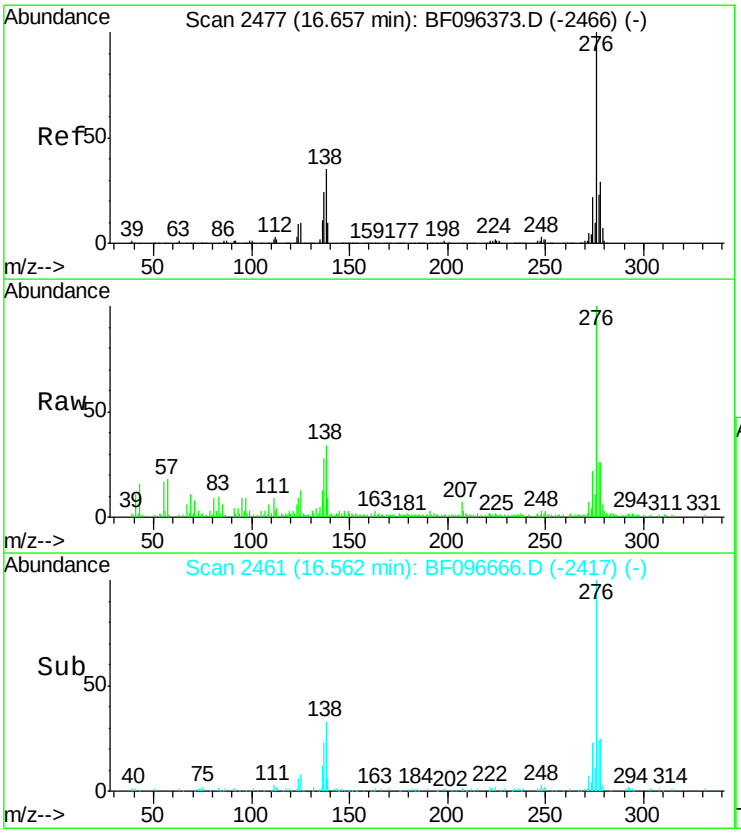
7/12/2017 4:57:43 PM

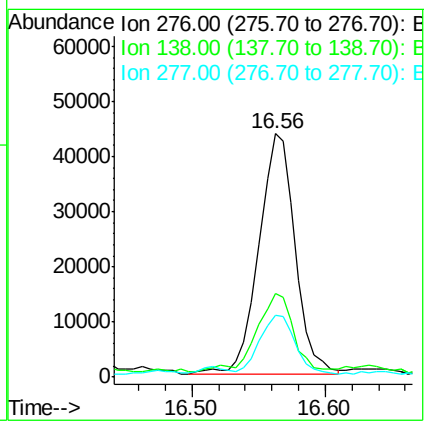


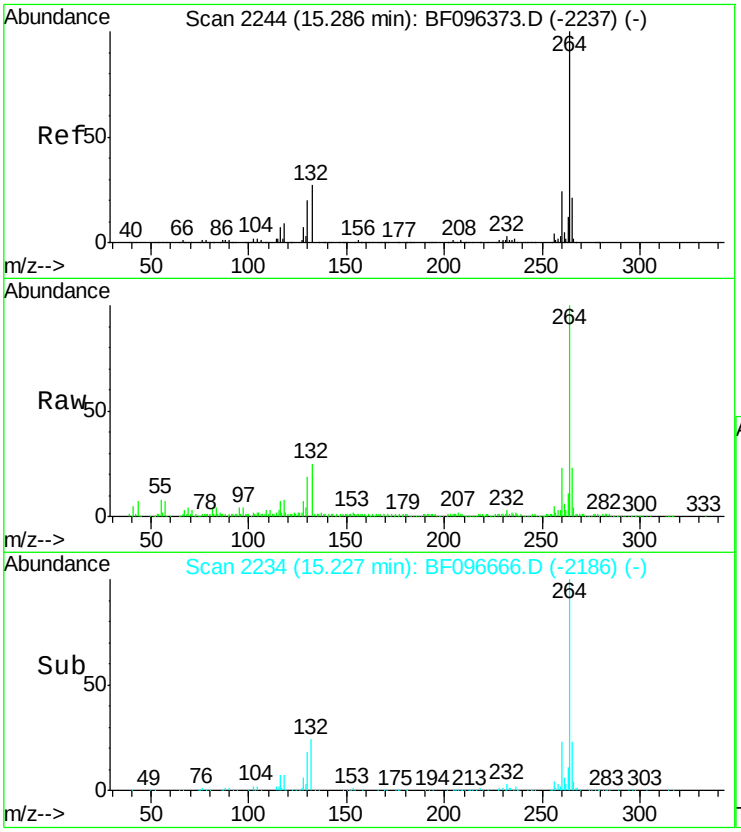


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.304 ng
RT: 16.56 min Scan# 2461
Delta R.T. -0.04 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:276 Resp: 82632

Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	24.1	20.2	30.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:264 Resp: 215776

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	23.1	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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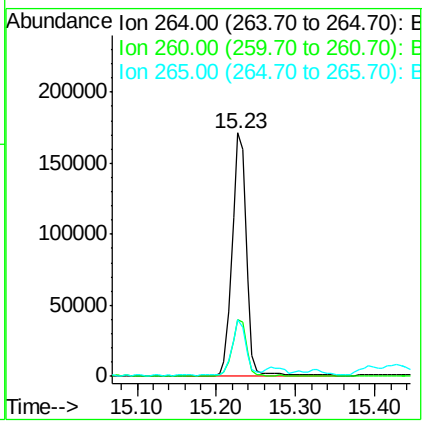
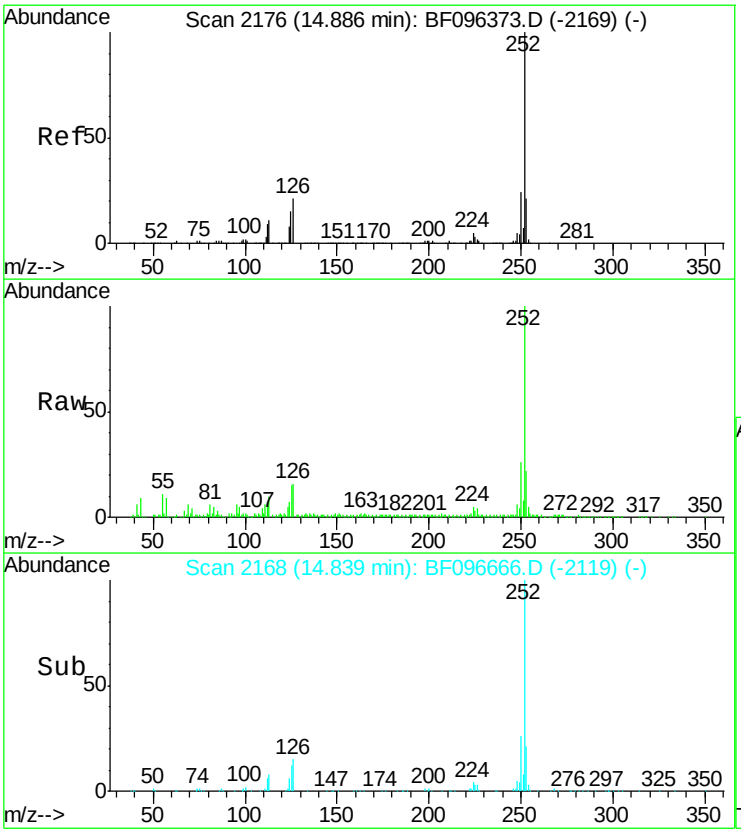
7/12/2017 4:57:43 PM

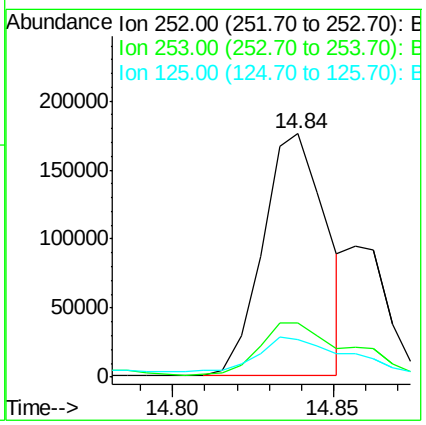


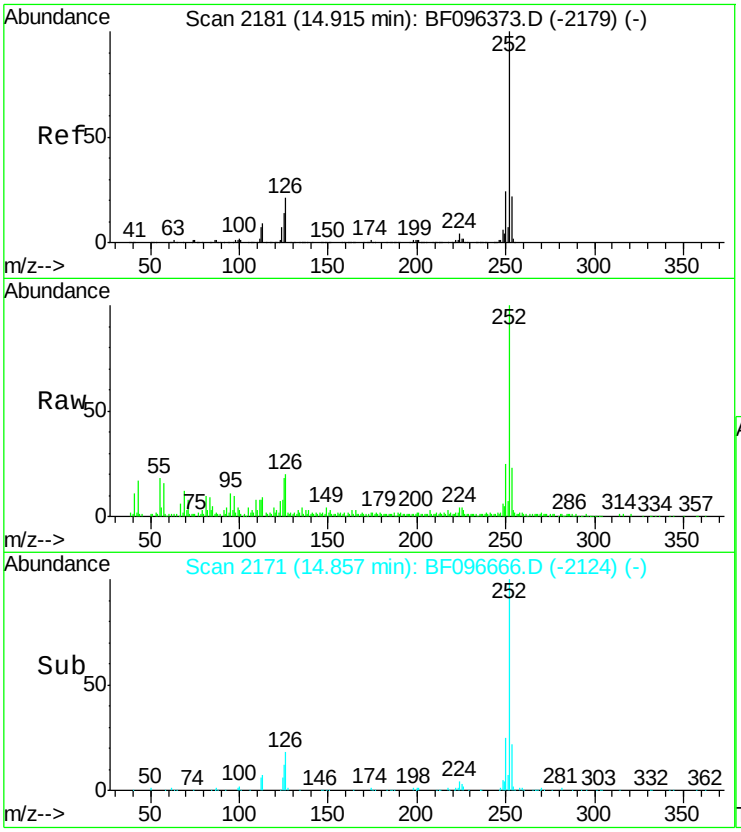


#87
Benzo(b)fluoranthene
Concen: 17.768 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:252 Resp: 240228

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.3	9.8	14.8#

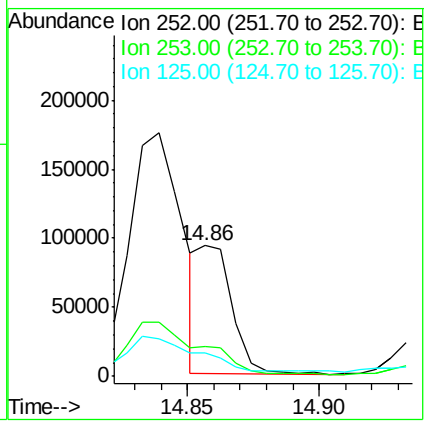




#88
Benzo(k)fluoranthene
Concen: 6.846 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:252 Resp: 82795

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	17.6	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

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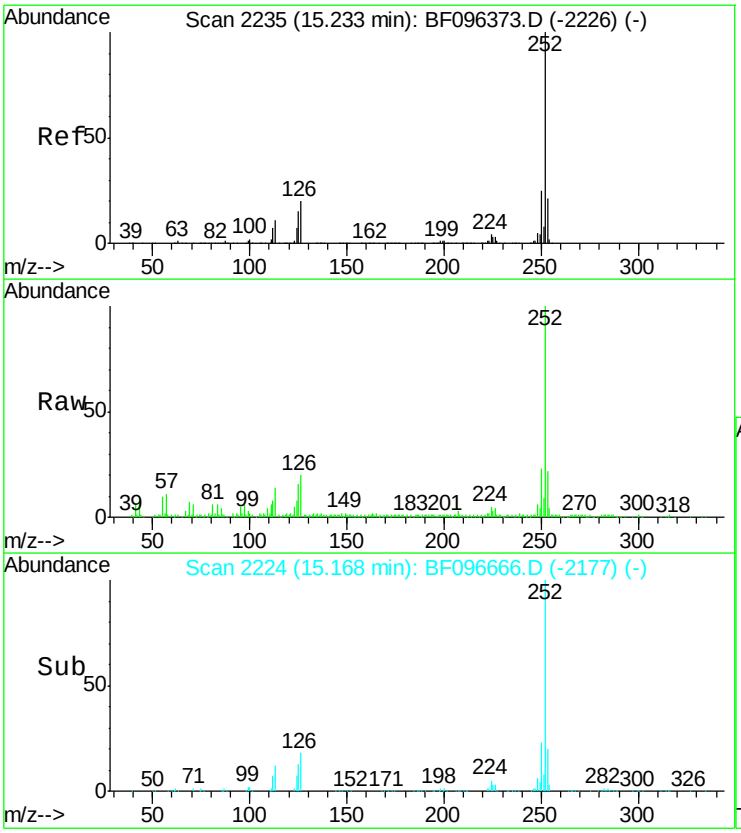
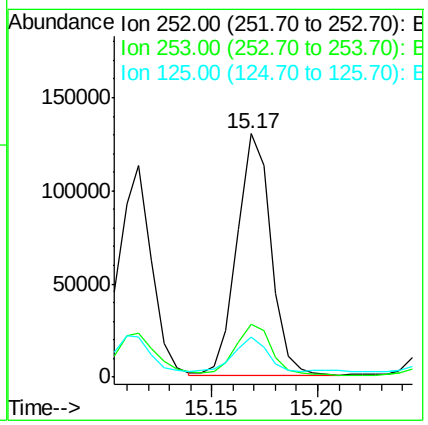
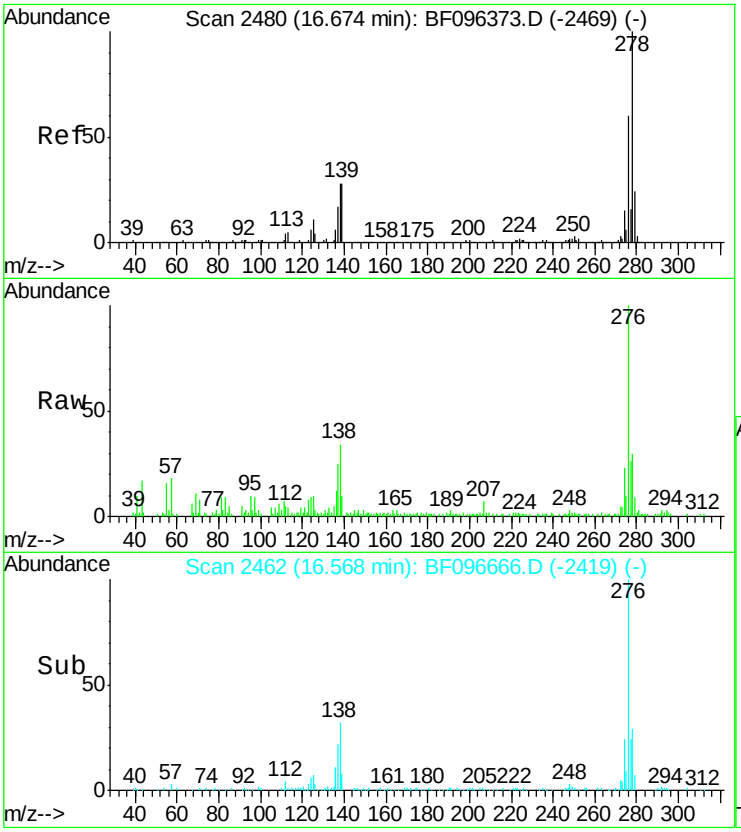


#89
Benzo(a)pyrene
Concen: 11.990 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:252 Resp: 144733

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	16.2	11.0	16.4

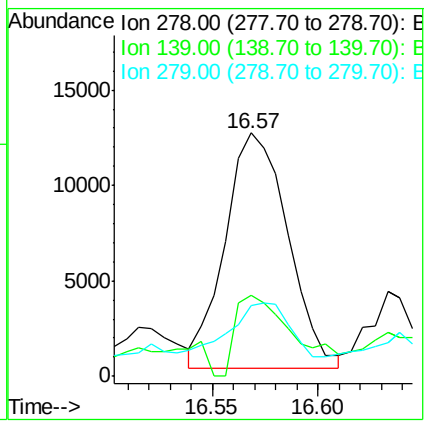




#90
Dibenzo(a,h)anthracene
Concen: 2.666 ng
RT: 16.57 min Scan# 2462
Delta R.T. -0.05 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:278 Resp: 25318

Ion	Ratio	Lower	Upper
278	100		
139	33.2	16.6	24.8#
279	29.2	19.3	28.9#



Instrument :
BNA_F
ClientSampleId :
E2-P9-BASE

Manual Integrations APPROVED
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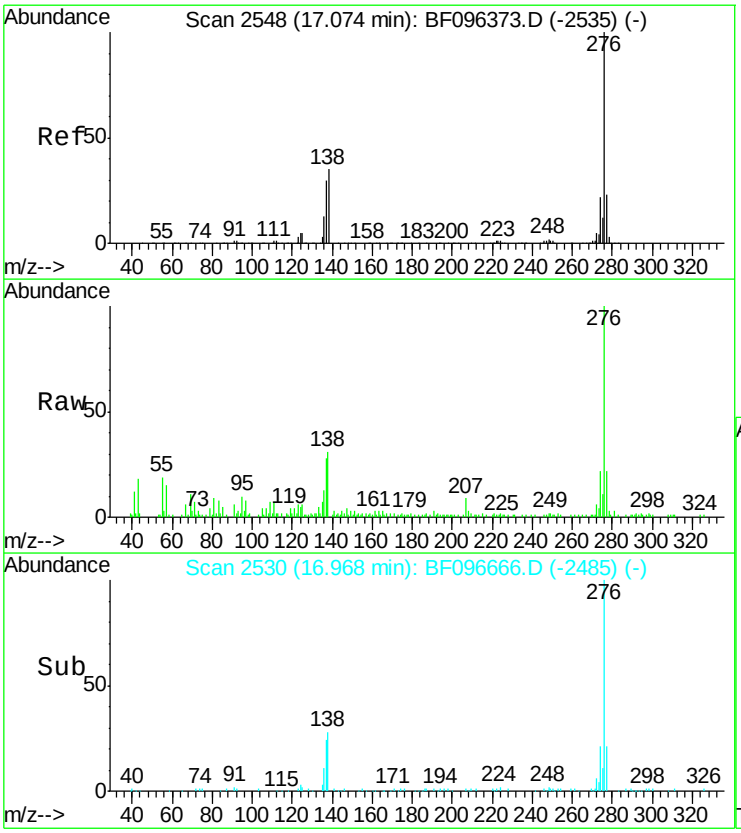

#91
Benzo(g,h,i)perylene
Concen: 7.739 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF096666.D
Acq: 12 Jul 2017 2:22

Tgt Ion:276 Resp: 76158

Ion	Ratio	Lower	Upper
276	100		
277	21.7	18.6	28.0
138	30.9	25.4	38.0