Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090990.D
Acq On : 2 Nov 2016 20:02
Operator : UM/SJ
Sample : H5509-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-92-1.5-2.0

Manual Integrations APPROVED
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Quant Time: Nov 03 01:37:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	214959	20.00	ng		-0.03
21) Naphthalene-d8	8.01	136	898811	20.00	ng		-0.03
38) Acenaphthene-d10	9.77	164	431087	20.00	ng		-0.02
63) Phenanthrene-d10	11.24	188	608404	20.00	ng		-0.02
75) Chrysene-d12	13.88	240	413042	20.00	ng		-0.02
86) Perylene-d12	15.28	264	409261	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	2039750	165.91	ng		0.00
7) Phenol-d6	6.38	99	2848766	171.75	ng		-0.01
23) Nitrobenzene-d5	7.30	82	1909961	139.11	ng		-0.02
41) 2,4,6-Tribromophenol	10.56	330	532487	120.20	ng		-0.02
44) 2-Fluorobiphenyl	9.09	172	2139361	87.14	ng		-0.02
78) Terphenyl-d14	12.83	244	1497001	91.31	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.40	94	38237	2.09	ng		73
31) Naphthalene	8.03	128	205758	4.90	ng		98
49) Dimethylphthalate	9.49	163	991368	34.42	ng	#	98
51) Acenaphthene	9.79	154	198344	8.05	ng		87
54) Dibenzofuran	9.96	168	144733	4.55	ng	#	80
57) Fluorene	10.30	166	195066	7.49	ng		91
70) Phenanthrene	11.28	178	2434411m	78.57	ng		
71) Anthracene	11.32	178	688174	21.09	ng		96
72) Carbazole	11.48	167	270333	9.38	ng		96
74) Fluoranthene	12.47	202	2675583	78.86	ng		92
77) Pyrene	12.69	202	2443471	93.48	ng	#	94
80) Benzo(a)anthracene	13.87	228	1185165	54.07	ng		94
82) Chrysene	13.91	228	853455	38.49	ng		92
85) Indeno(1,2,3-cd)pyrene	16.61	276	533575	27.16	ng	#	85
87) Benzo(b)fluoranthene	14.90	252	1435050m	52.15	ng		
88) Benzo(k)fluoranthene	14.91	252	248700m	11.44	ng		
89) Benzo(a)pyrene	15.23	252	911003	38.53	ng	#	83
90) Dibenzo(a,h)anthracene	16.61	278	165797	8.28	ng	#	61
91) Benzo(g,h,i)perylene	17.01	276	456761	24.23	ng	#	75

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

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SB-92-1.5-2.0

Manual Integrations APPROVED
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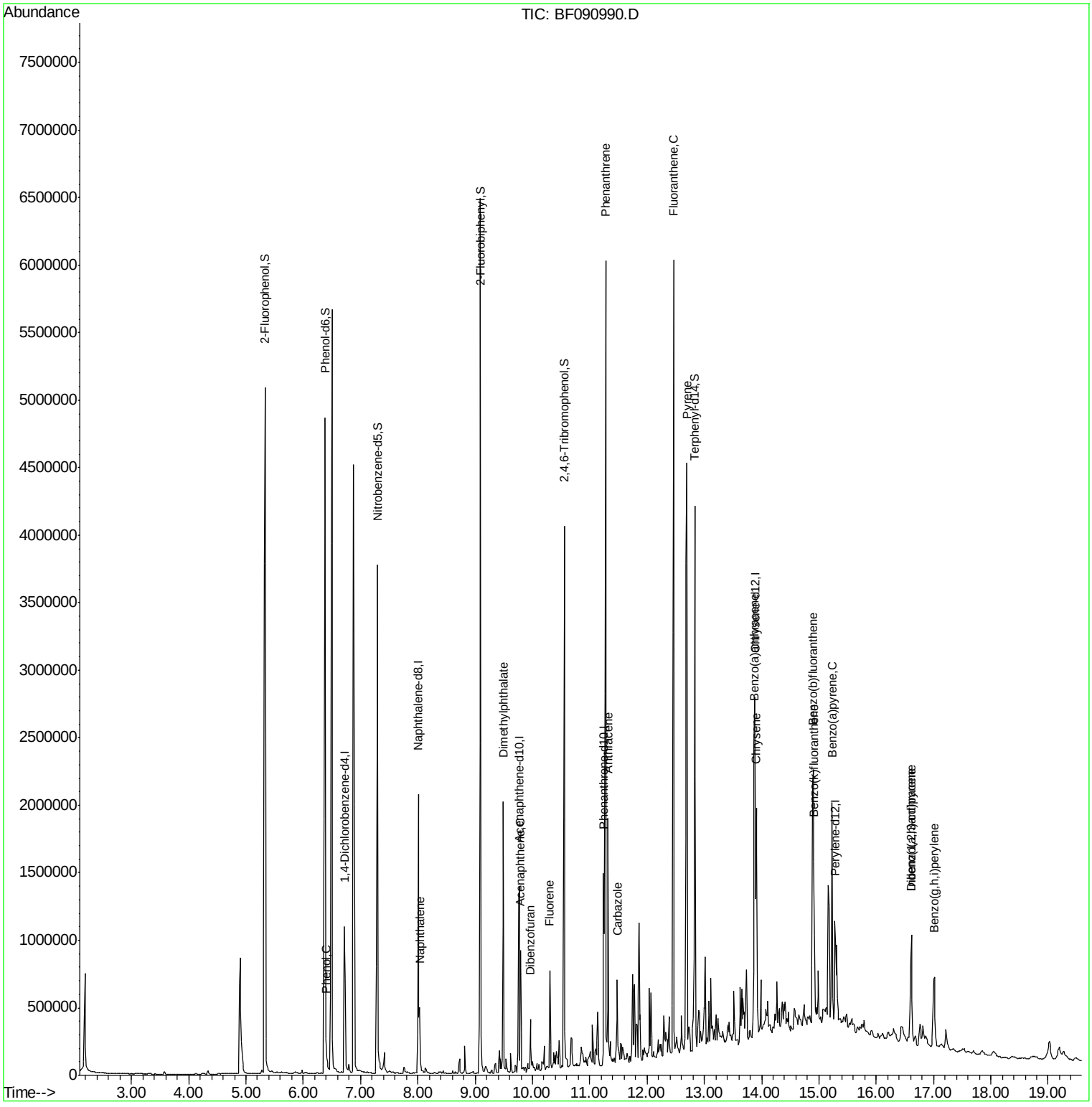
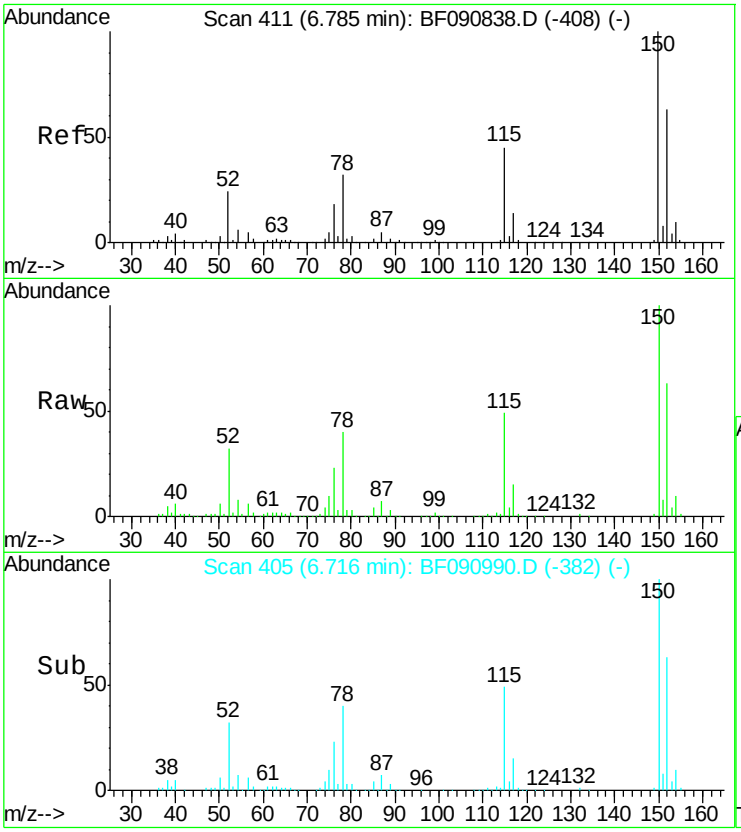
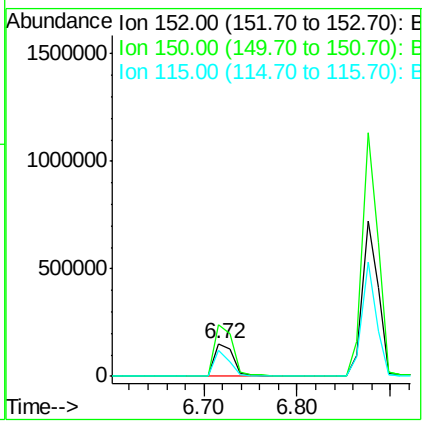




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:152 Resp: 214959

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.7	187.1
115	78.4	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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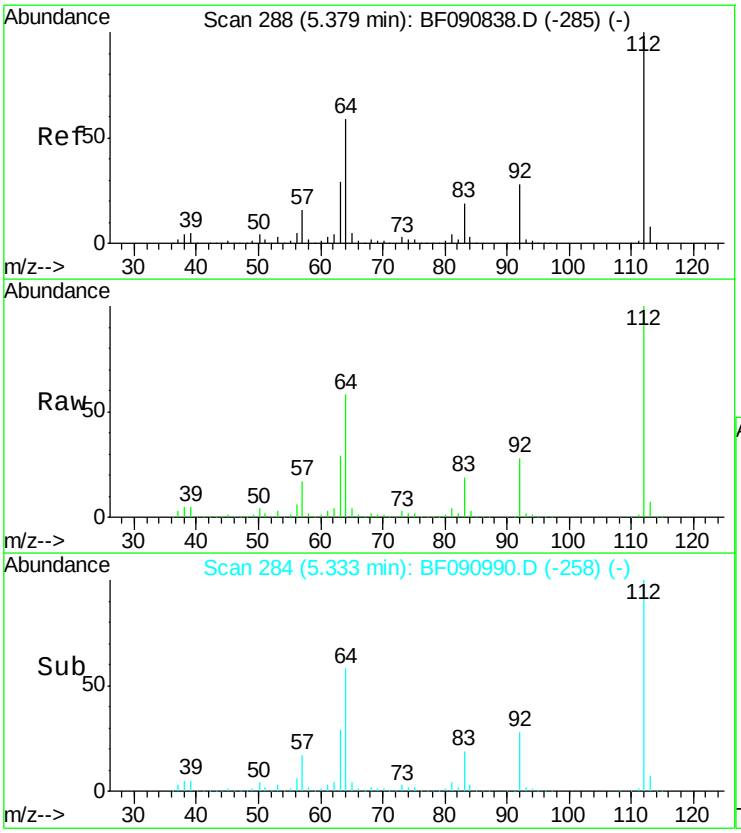
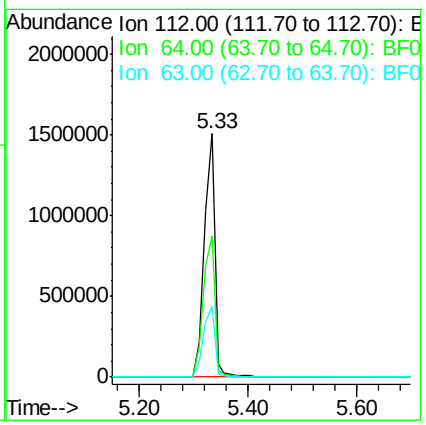
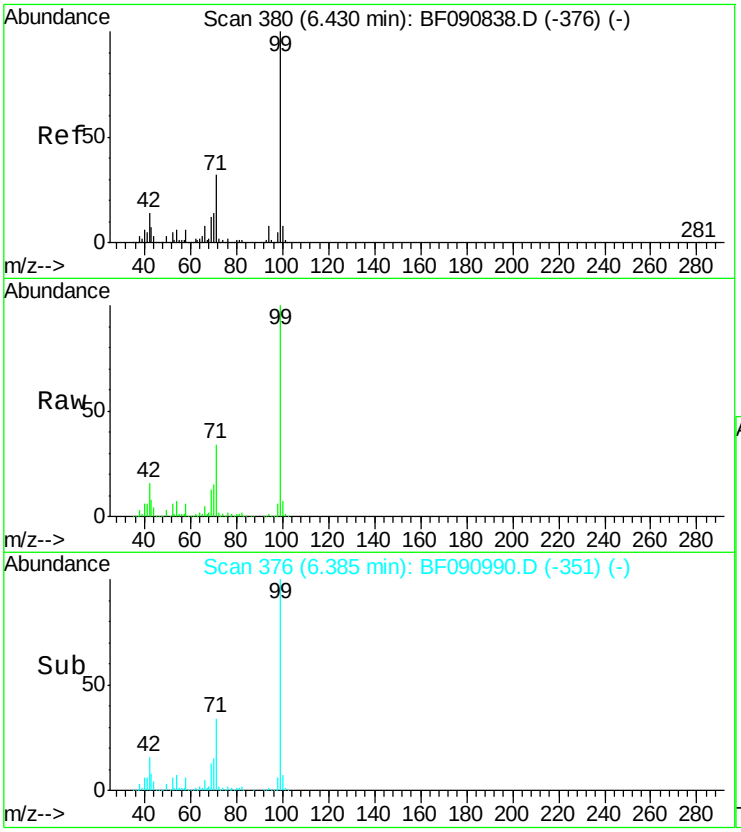


#5
2-Fluorophenol
Concen: 165.91 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.00 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:112 Resp: 2039750

Ion	Ratio	Lower	Upper
112	100		
64	58.0	39.7	59.5
63	29.2	17.4	26.0#

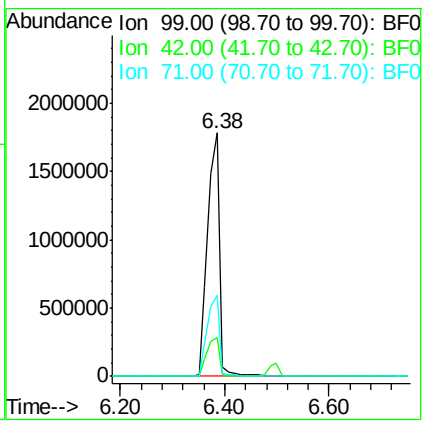




#7
Phenol-d6
Concen: 171.75 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion: 99 Resp: 2848766

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.7	20.5
71	33.5	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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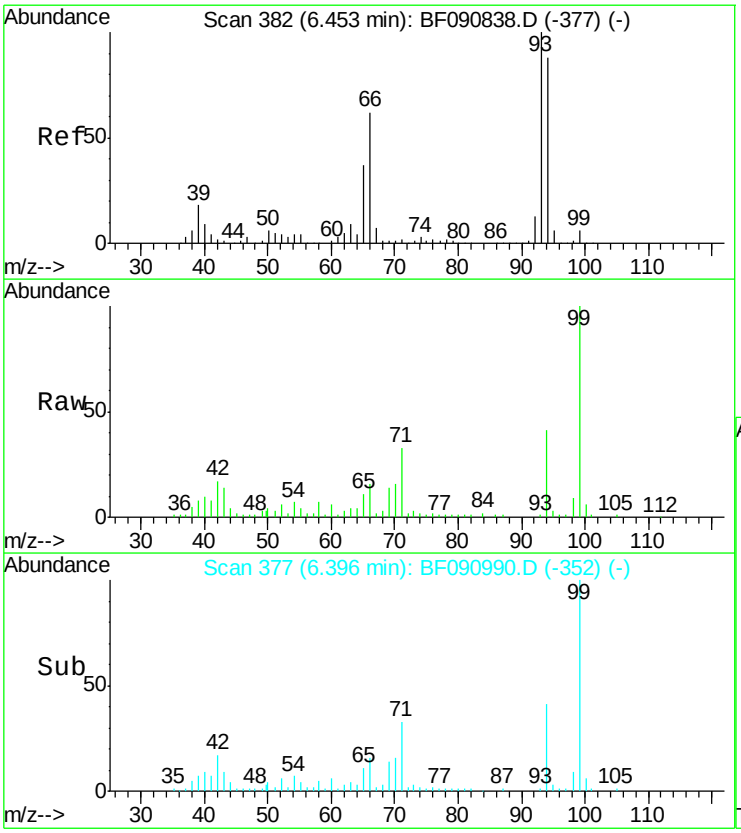
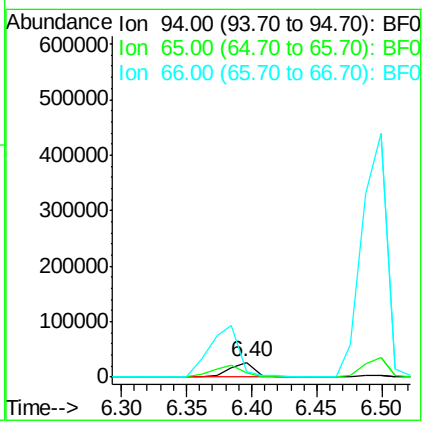
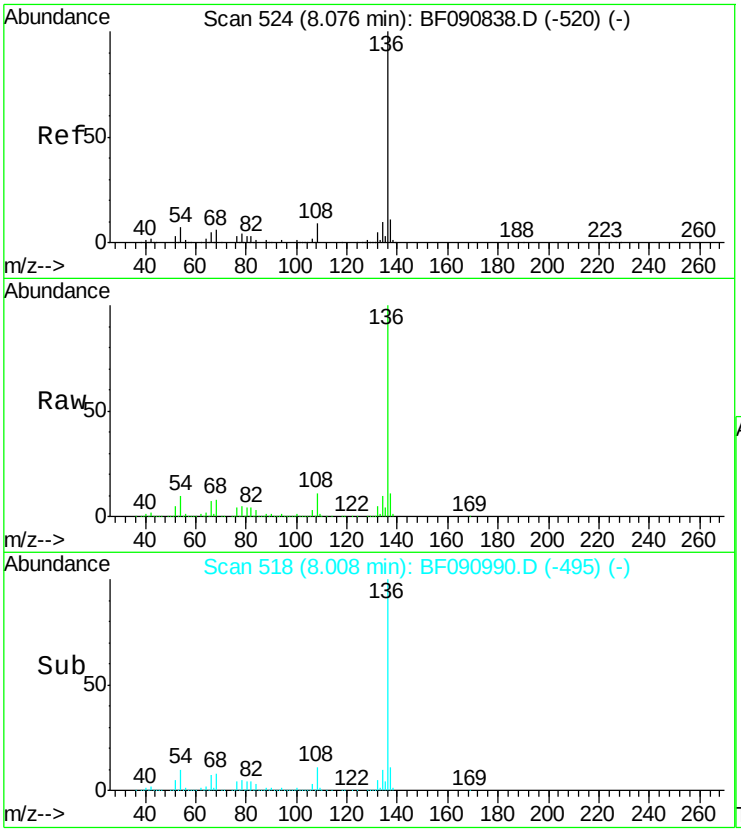


#10
Phenol
Concen: 2.09 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion: 94 Resp: 38237

Ion	Ratio	Lower	Upper
94	100		
65	27.2	0.7	40.7
66	39.9	0.8	40.8

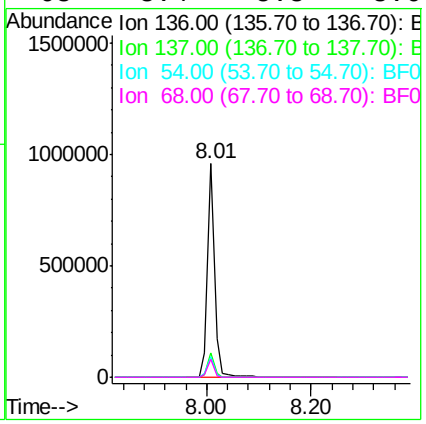




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:136 Resp: 898811

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	9.7	8.2	12.2
68	8.4	5.8	8.6



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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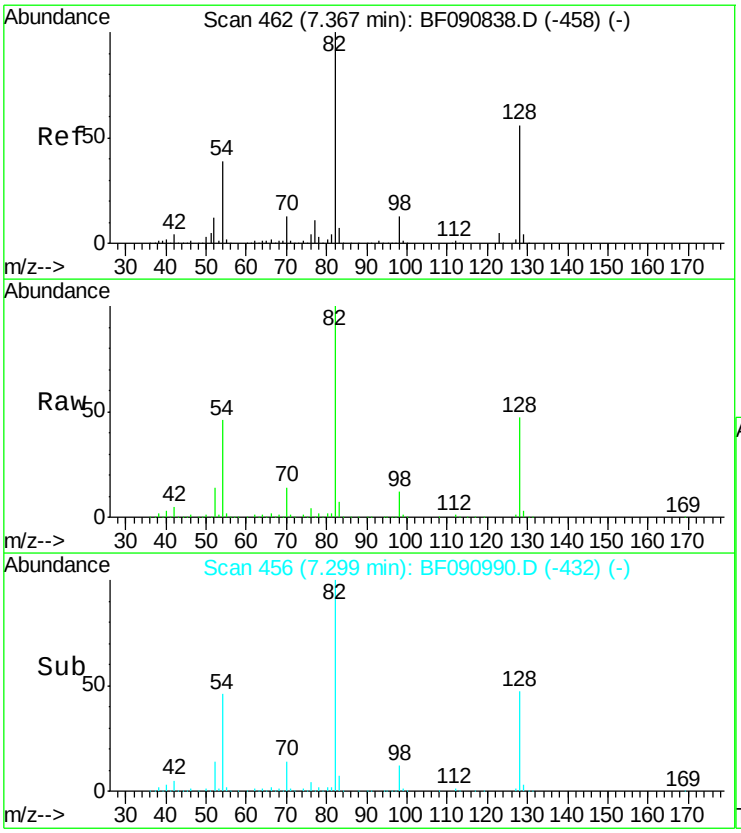
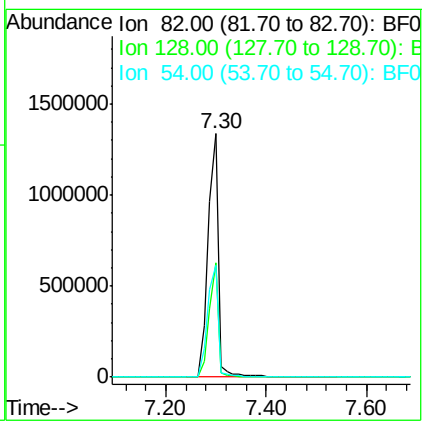
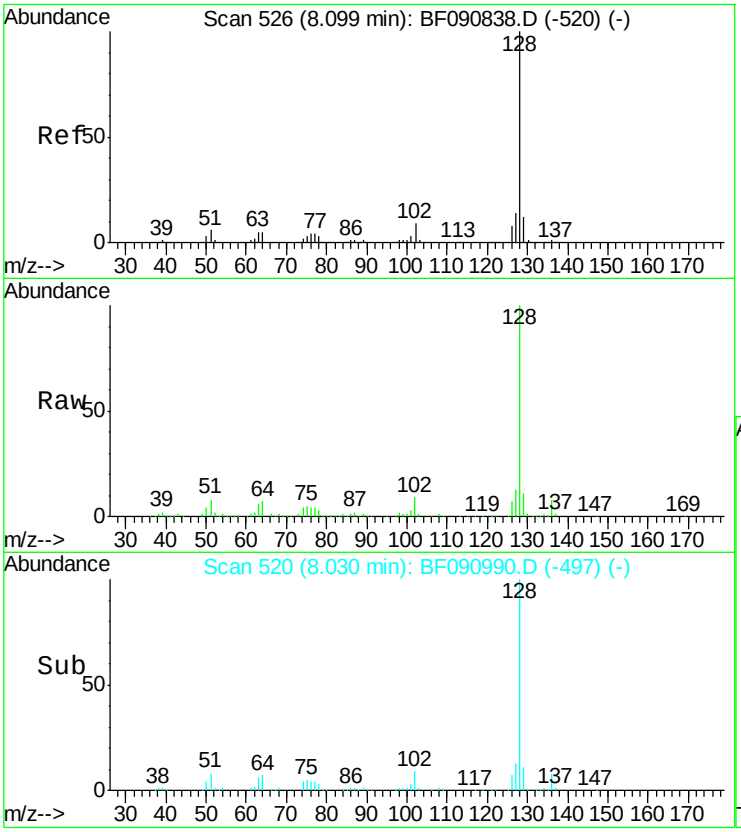


#23
Nitrobenzene-d5
Concen: 139.11 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion: 82 Resp: 1909961

Ion	Ratio	Lower	Upper
82	100		
128	46.9	51.0	76.6#
54	45.8	47.5	71.3#

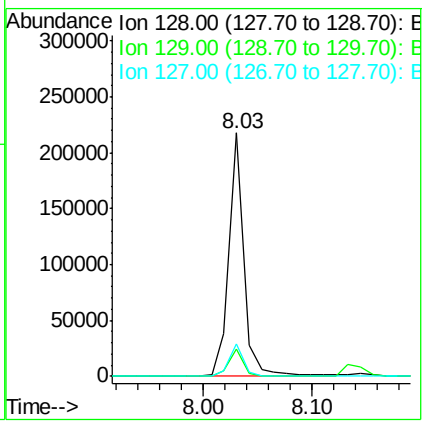




#31
Naphthalene
Concen: 4.90 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:128 Resp: 205758

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.2	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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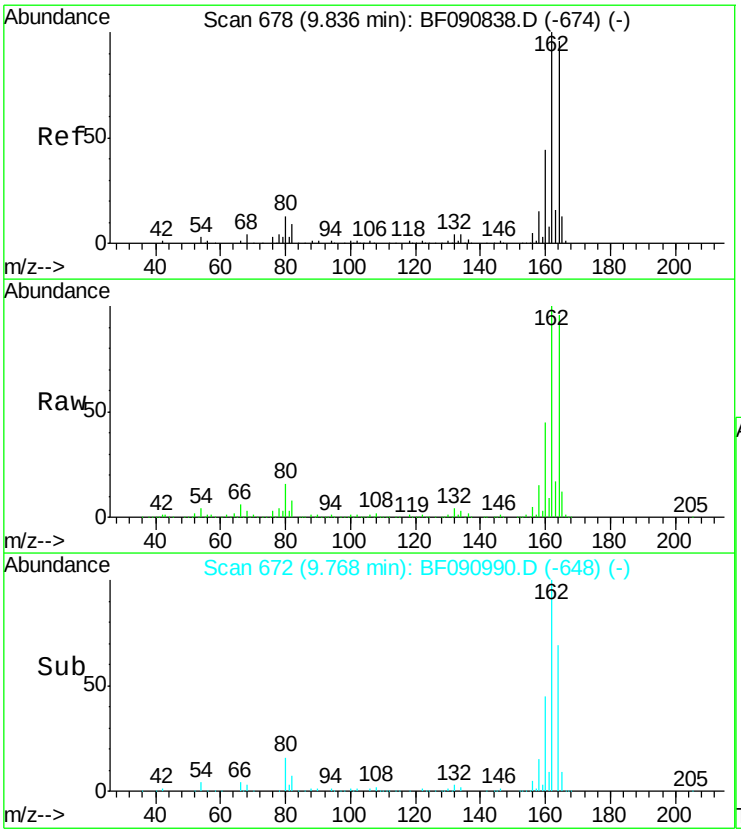
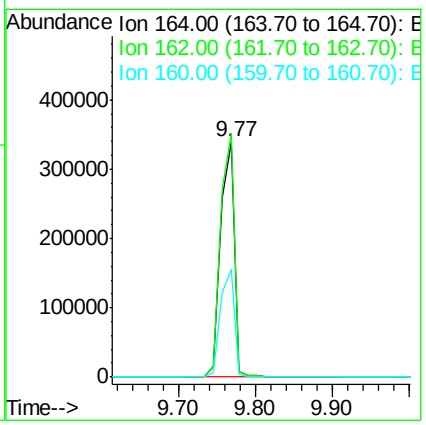
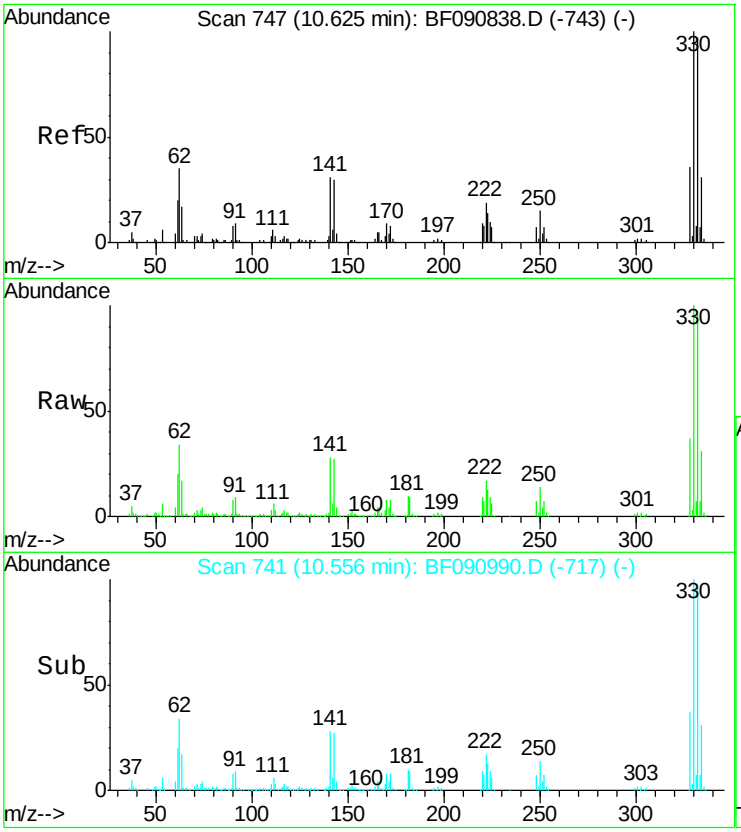


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:164 Resp: 431087

Ion	Ratio	Lower	Upper
164	100		
162	103.7	75.2	112.8
160	46.1	31.5	47.3

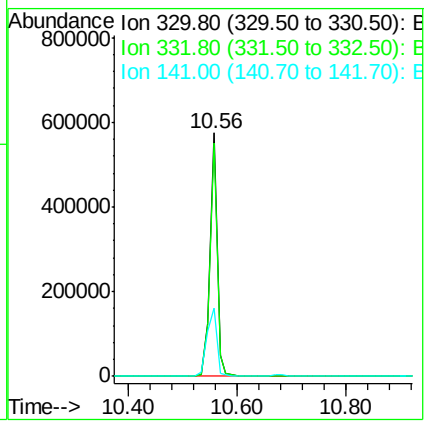




#41
2,4,6-Tribromophenol
Concen: 120.20 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:330 Resp: 532487

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	37.1	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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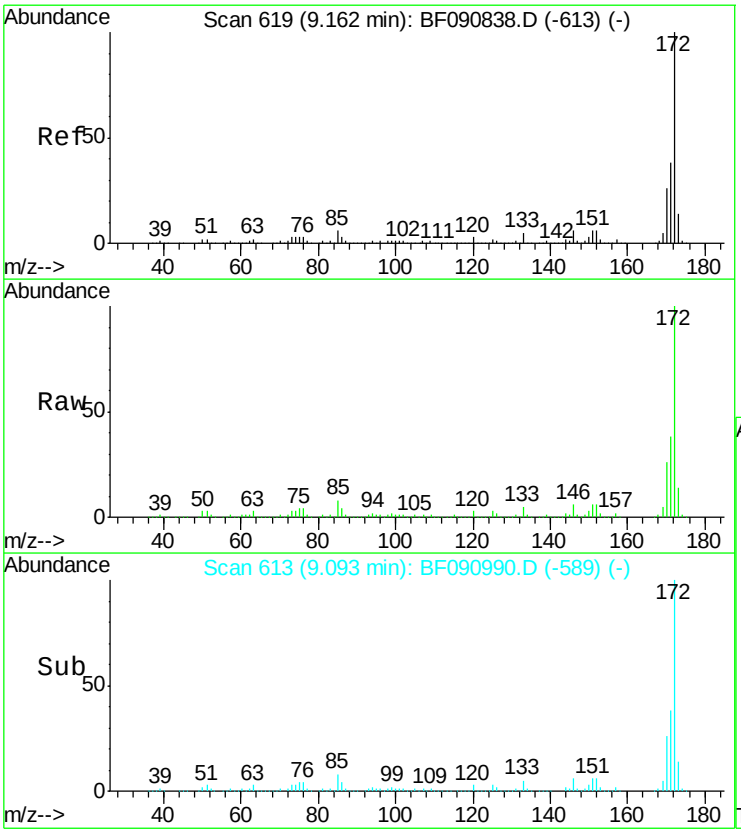
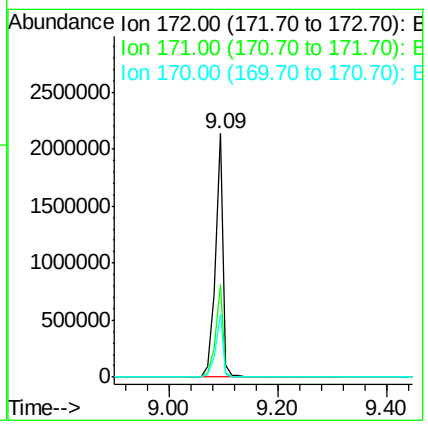
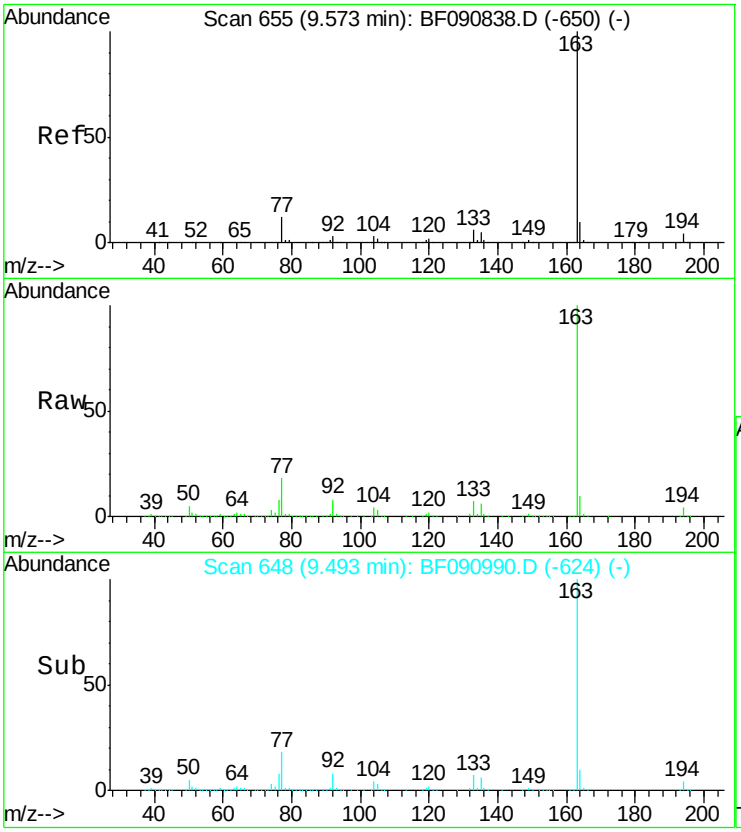


#44
2-Fluorobiphenyl
Concen: 87.14 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:172 Resp: 2139361

Ion	Ratio	Lower	Upper
172	100		
171	37.9	26.1	39.1
170	26.0	17.4	26.2

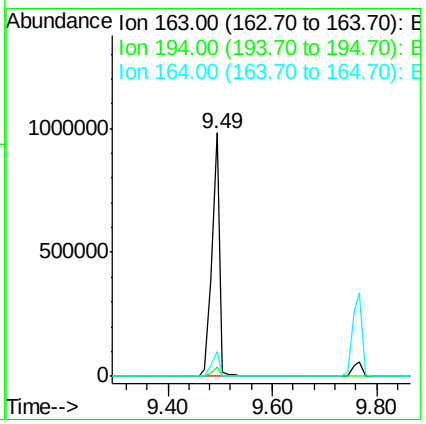




#49
Dimethylphthalate
Concen: 34.42 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:163 Resp: 991368

Ion	Ratio	Lower	Upper
163	100		
194	3.6	4.4	6.6#
164	10.2	8.3	12.5



Instrument :
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ClientSampleId :
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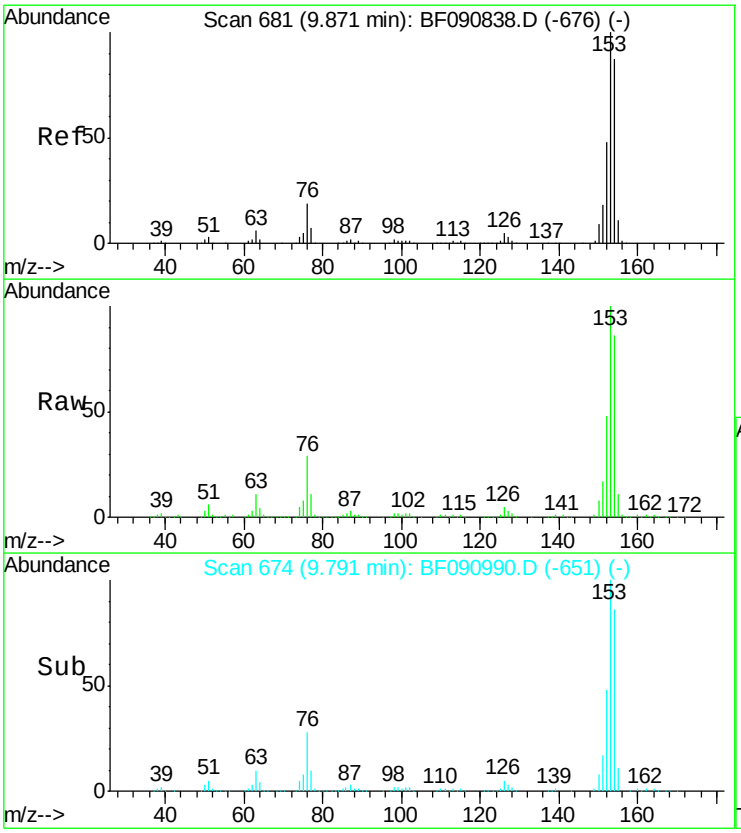
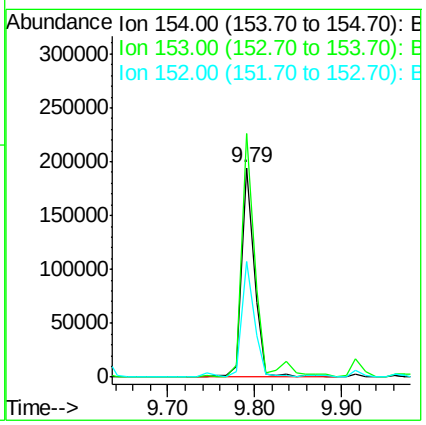
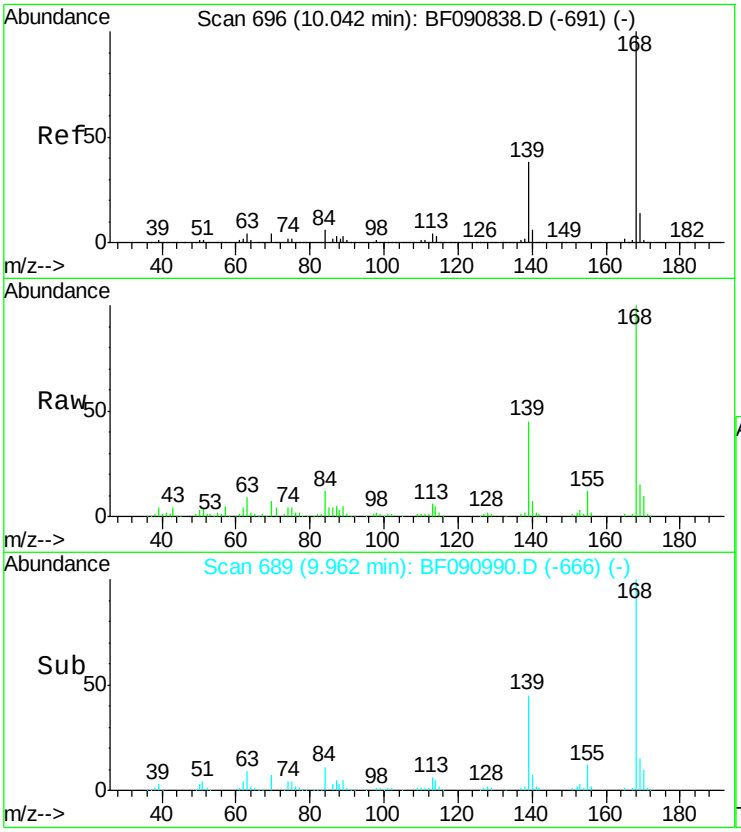


#51
Acenaphthene
Concen: 8.05 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:154 Resp: 198344

Ion	Ratio	Lower	Upper
154	100		
153	116.2	82.1	123.1
152	55.4	37.9	56.9

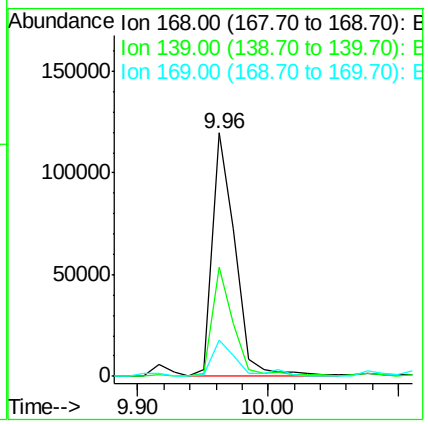




#54
Dibenzofuran
Concen: 4.55 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:168 Resp: 144733

Ion	Ratio	Lower	Upper
168	100		
139	44.6	24.2	36.2#
169	14.7	10.6	15.8



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Manual Integrations APPROVED
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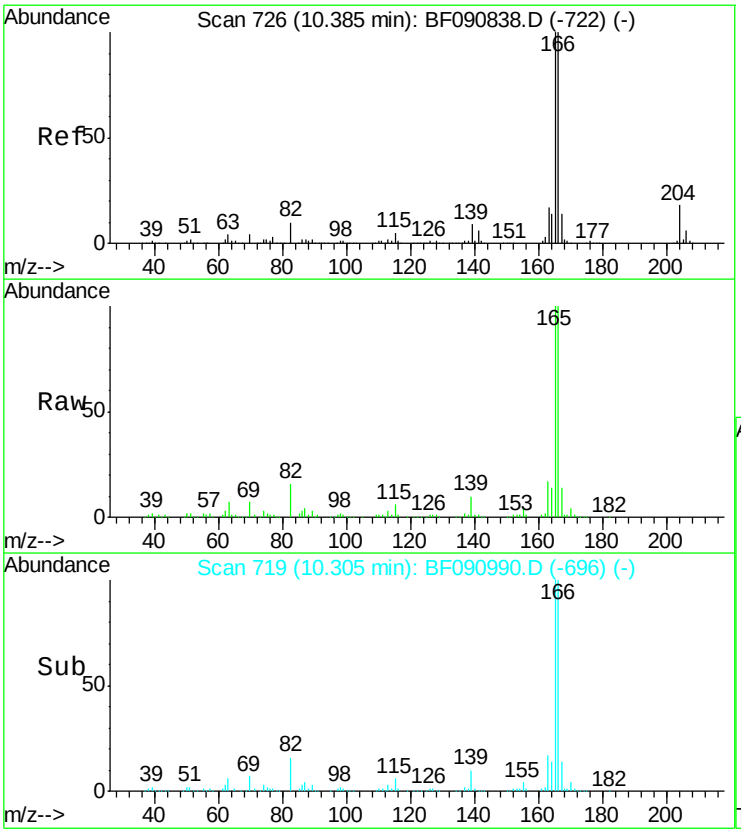
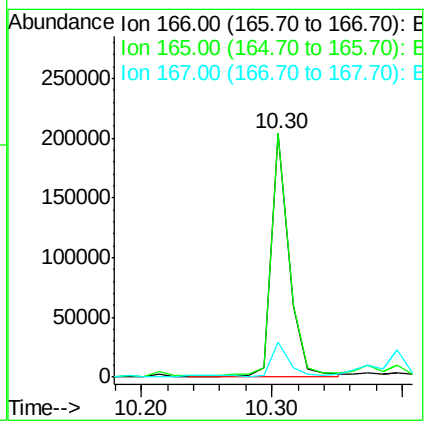
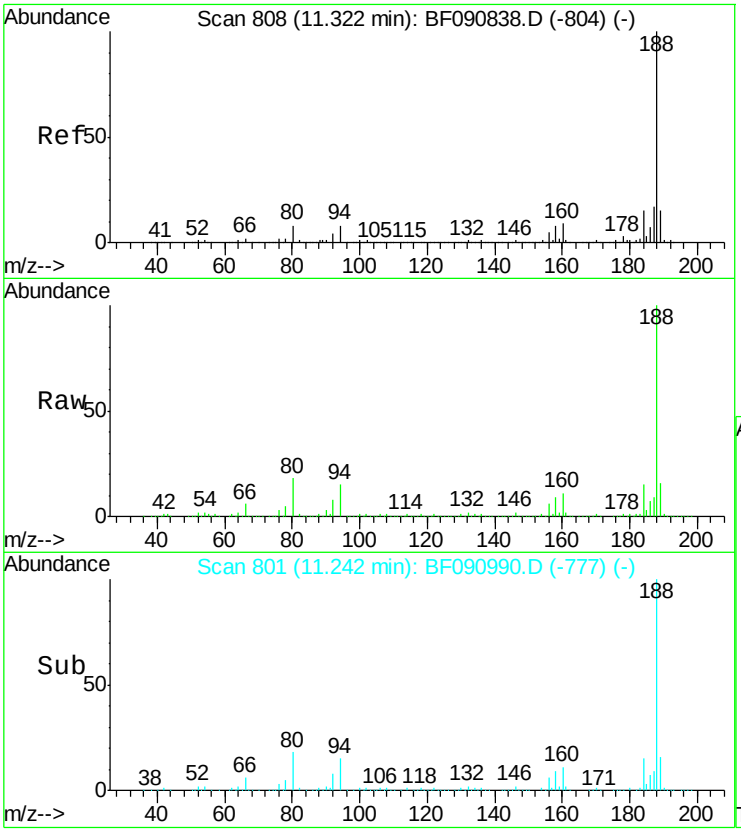


#57
Fluorene
Concen: 7.49 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:166 Resp: 195066

Ion	Ratio	Lower	Upper
166	100		
165	100.0	72.6	109.0
167	14.4	10.6	16.0

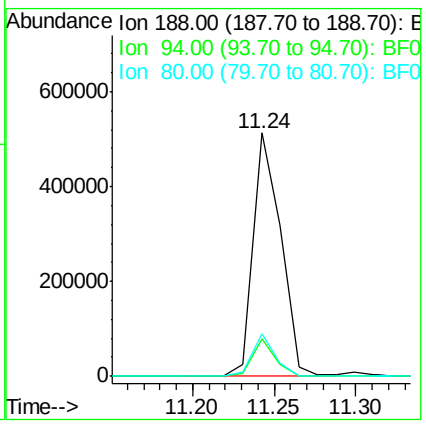




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:188 Resp: 608404

Ion	Ratio	Lower	Upper
188	100		
94	15.2	11.1	16.7
80	17.5	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

Manual Integrations APPROVED
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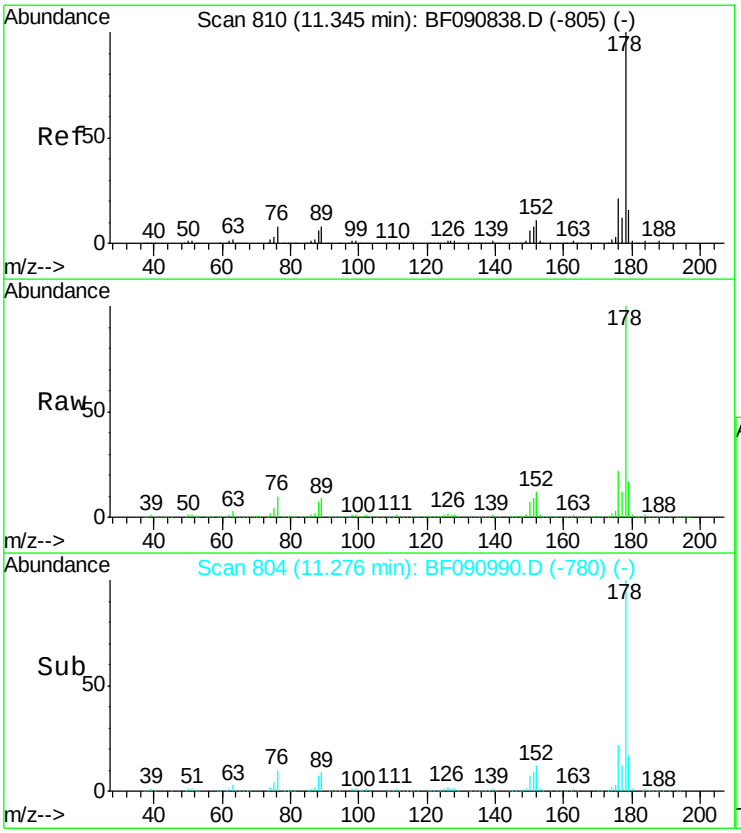
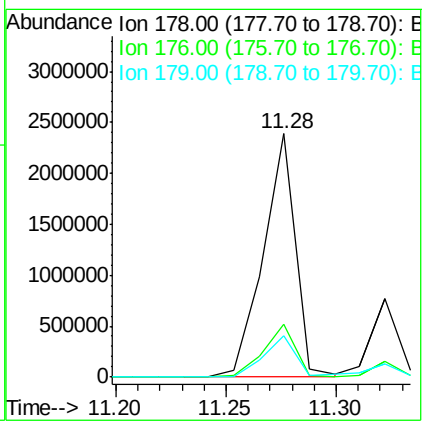
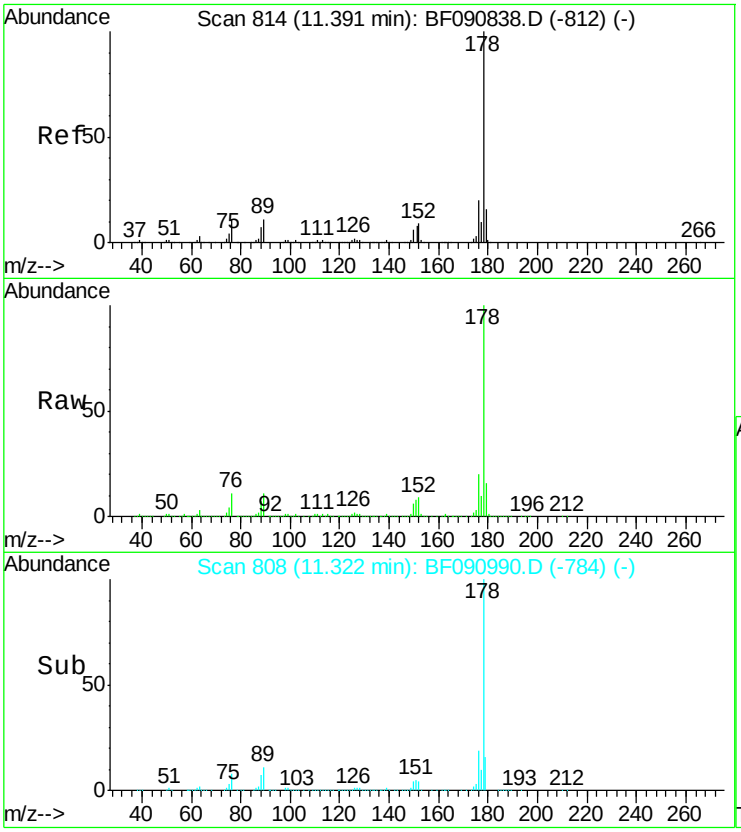


#70
Phenanthrene
Concen: 78.57 ng m
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:178 Resp: 2434411

Ion	Ratio	Lower	Upper
178	100		
176	21.7	13.8	20.8#
179	17.0	12.2	18.2

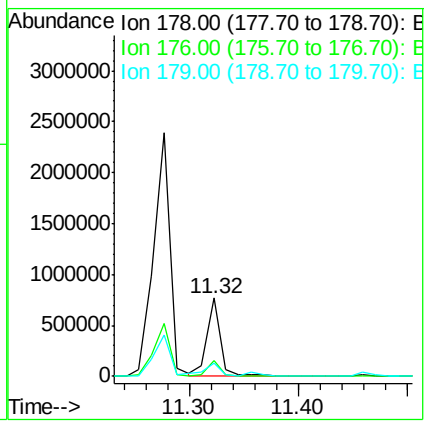




#71
Anthracene
Concen: 21.09 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:178 Resp: 688174

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.1	21.1
179	16.3	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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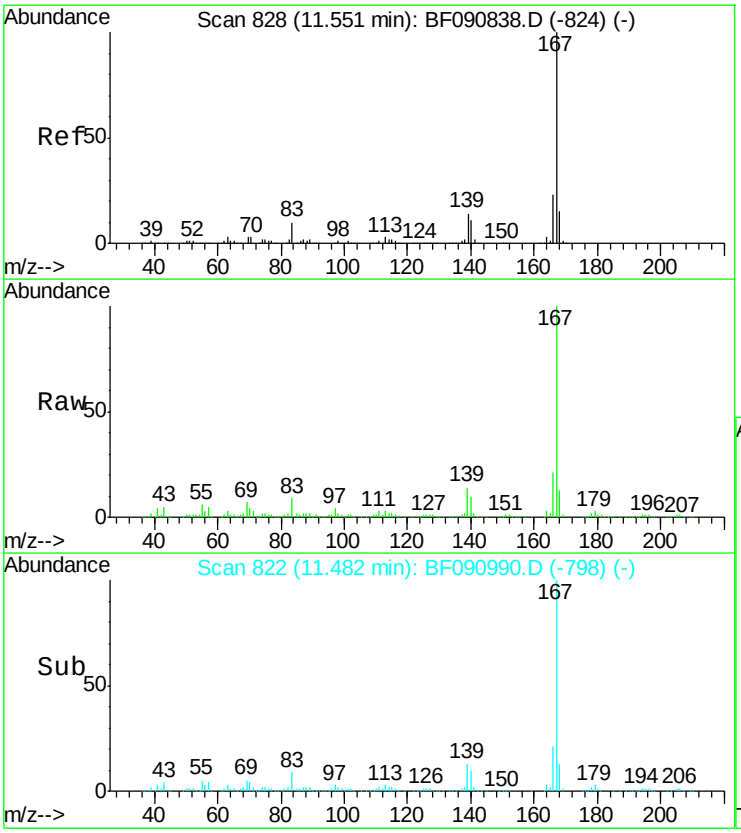
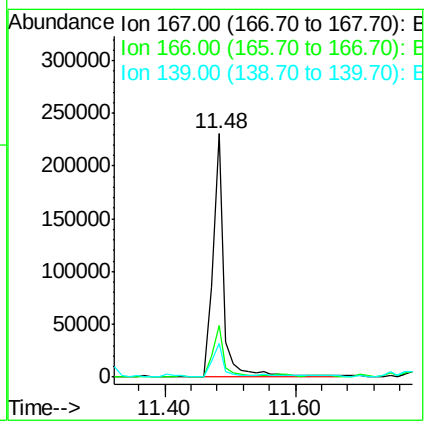
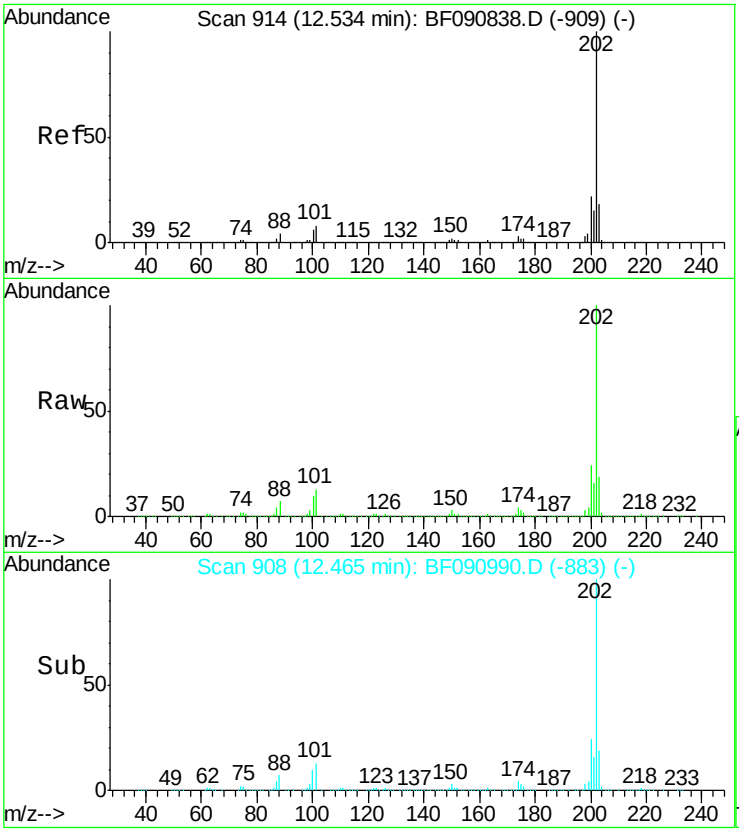


#72
Carbazole
Concen: 9.38 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:167 Resp: 270333

Ion	Ratio	Lower	Upper
167	100		
166	21.3	15.7	23.5
139	13.7	9.5	14.3

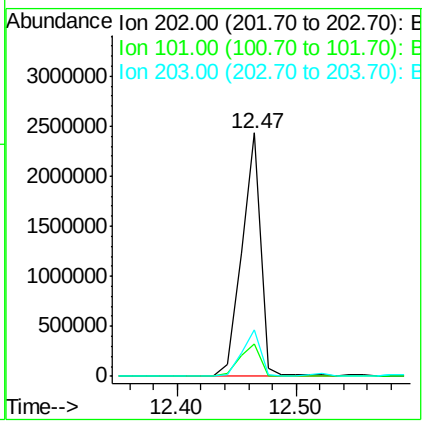




#74
Fluoranthene
Concen: 78.86 ng
RT: 12.47 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:202 Resp: 2675583

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	38.3
203	19.3	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
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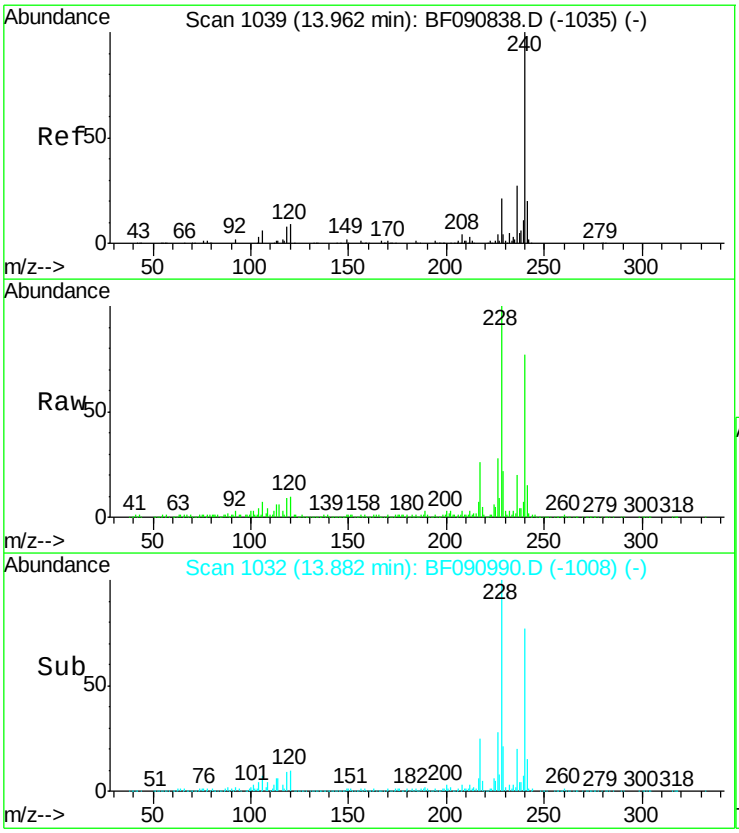
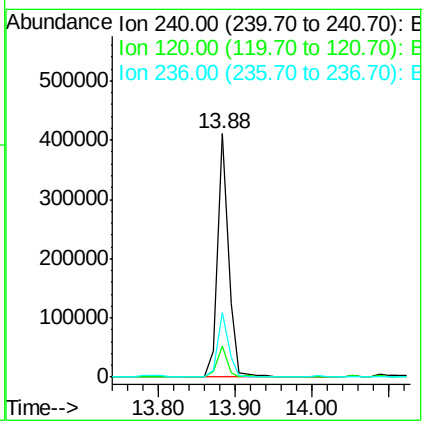
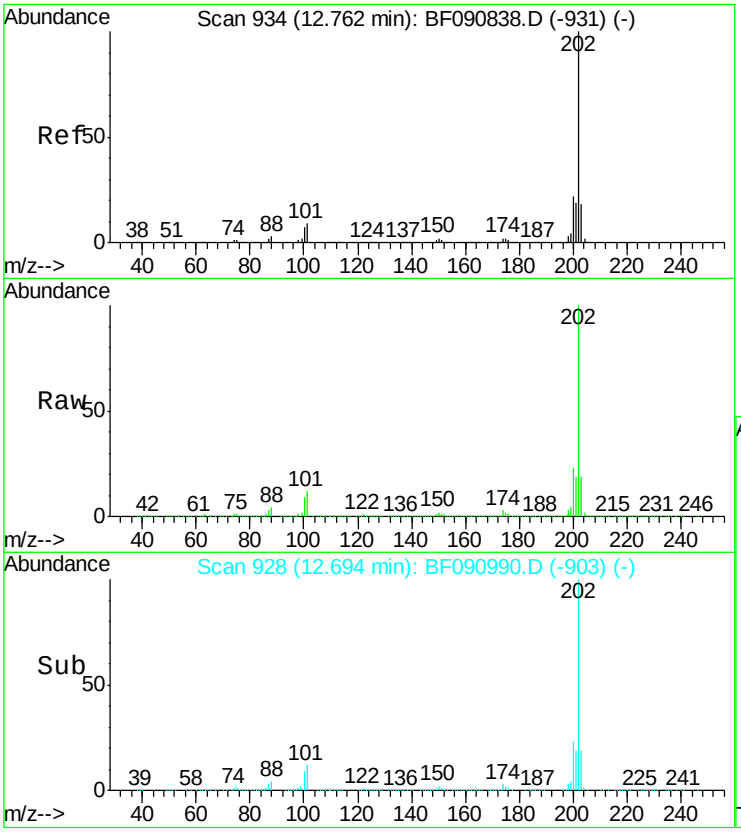


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:240 Resp: 413042

Ion	Ratio	Lower	Upper
240	100		
120	13.0	16.2	24.2#
236	26.4	18.4	27.6

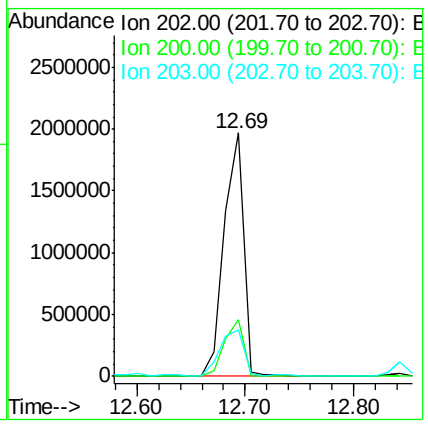




#77
Pyrene
Concen: 93.48 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:202 Resp: 2443471

Ion	Ratio	Lower	Upper
202	100		
200	23.1	15.0	22.4#
203	18.8	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
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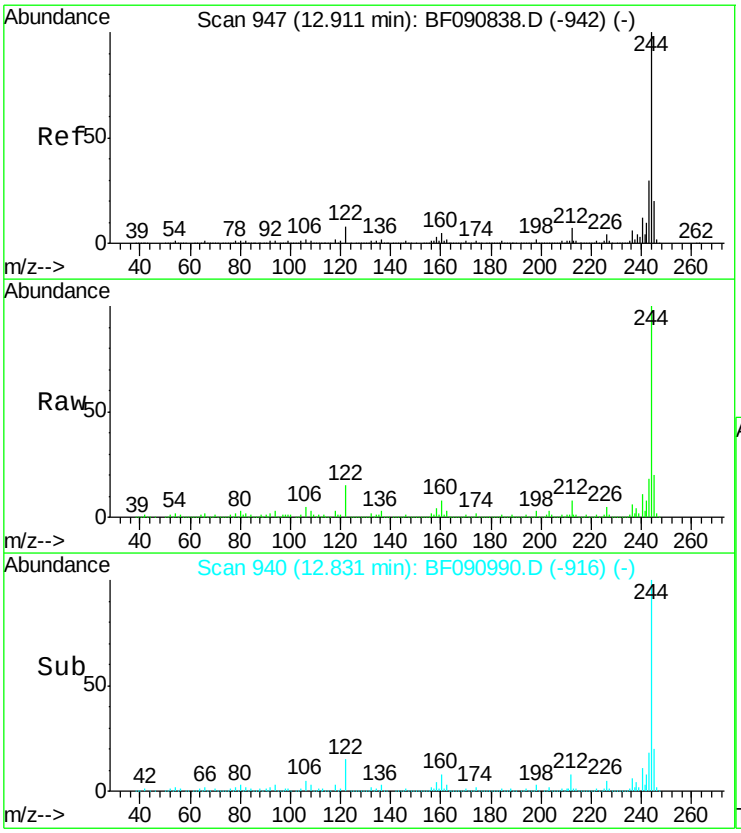
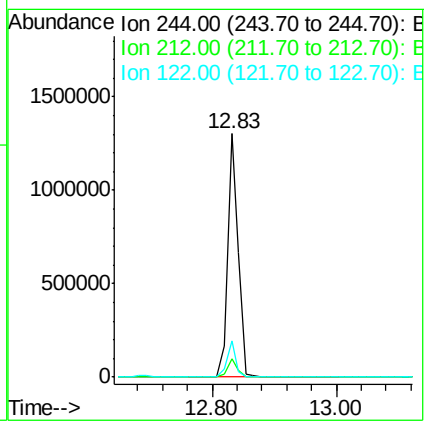
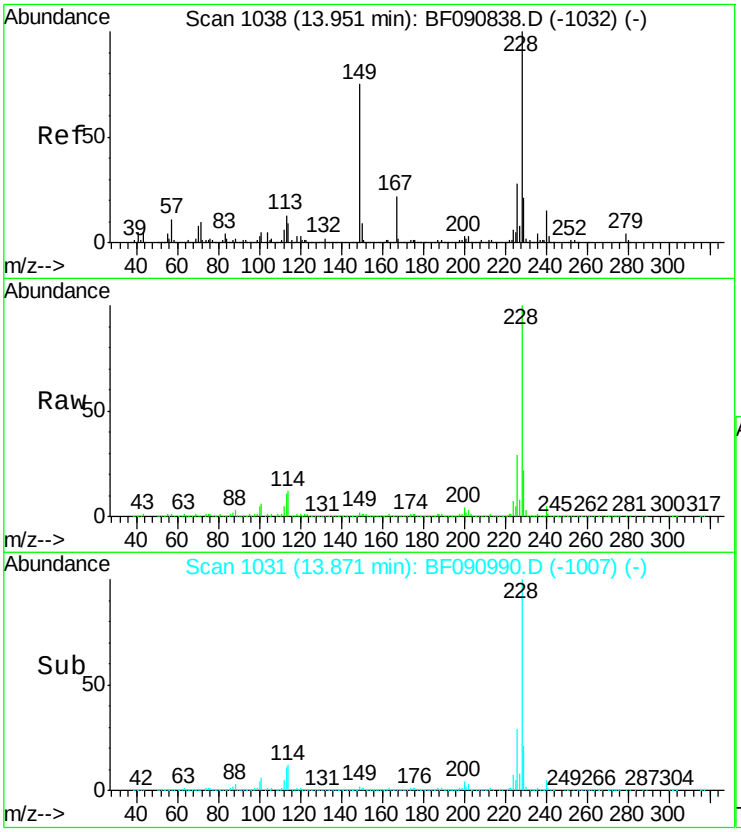


#78
Terphenyl-d14
Concen: 91.31 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:244 Resp: 1497001

Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.3	6.5#
122	14.9	17.4	26.2#

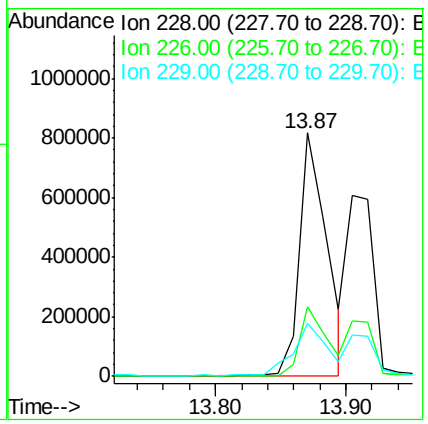




#80
Benzo(a)anthracene
Concen: 54.07 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:228 Resp: 1185165

Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.0	30.0
229	21.6	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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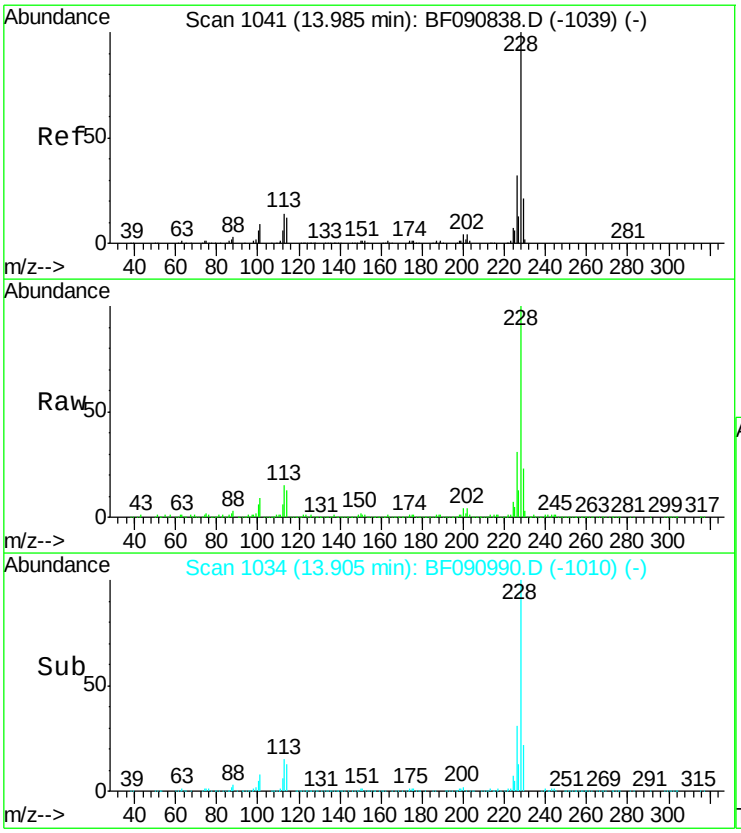
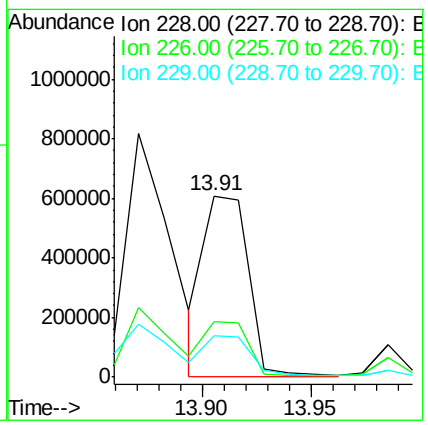
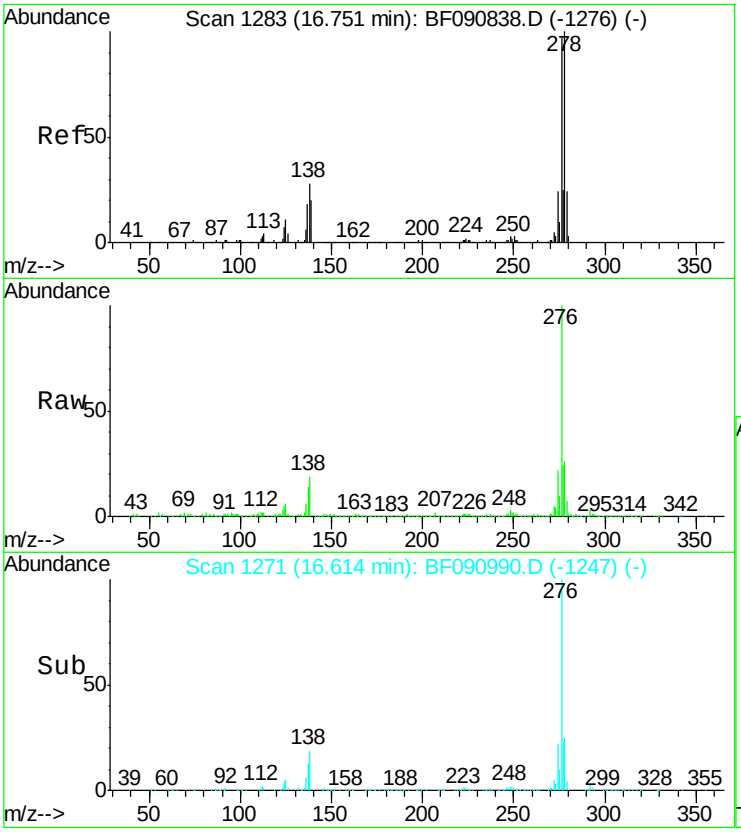


#82
Chrysene
Concen: 38.49 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:228 Resp: 853455

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.0	31.4
229	22.8	15.6	23.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 27.16 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:276 Resp: 533575

Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.7	38.5#
277	25.2	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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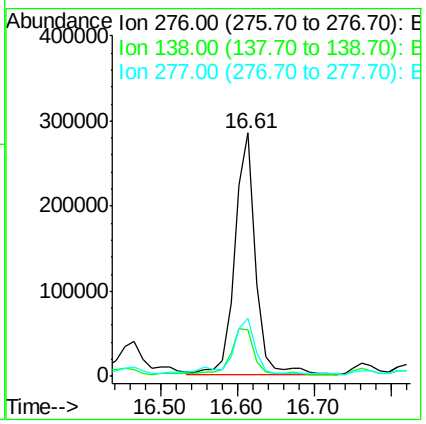
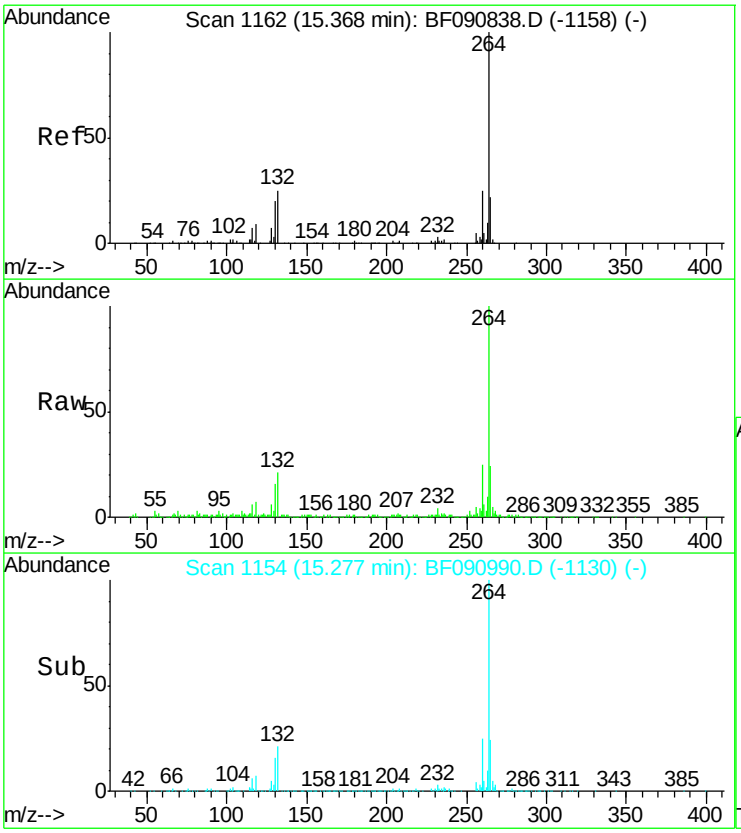
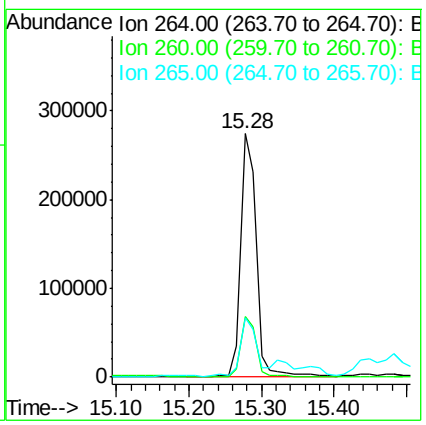


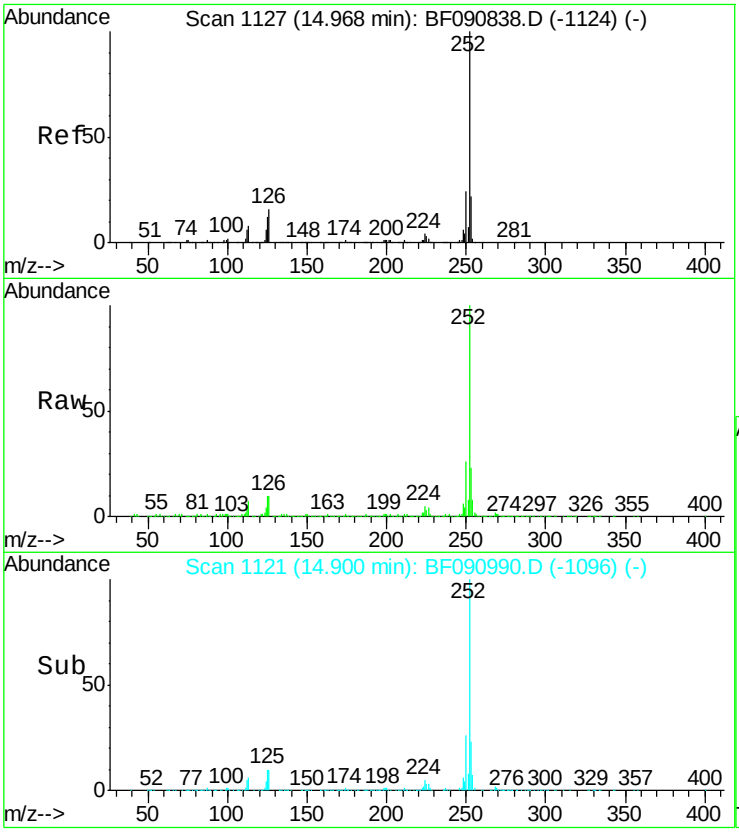


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:264 Resp: 409261

Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	24.1	17.2	25.8

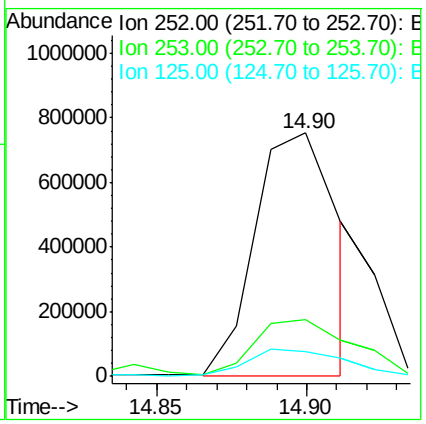




#87
Benzo(b)fluoranthene
Concen: 52.15 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:252 Resp: 1435050

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.1	17.1	25.7#



Instrument :
BNA_F
ClientSampleId :
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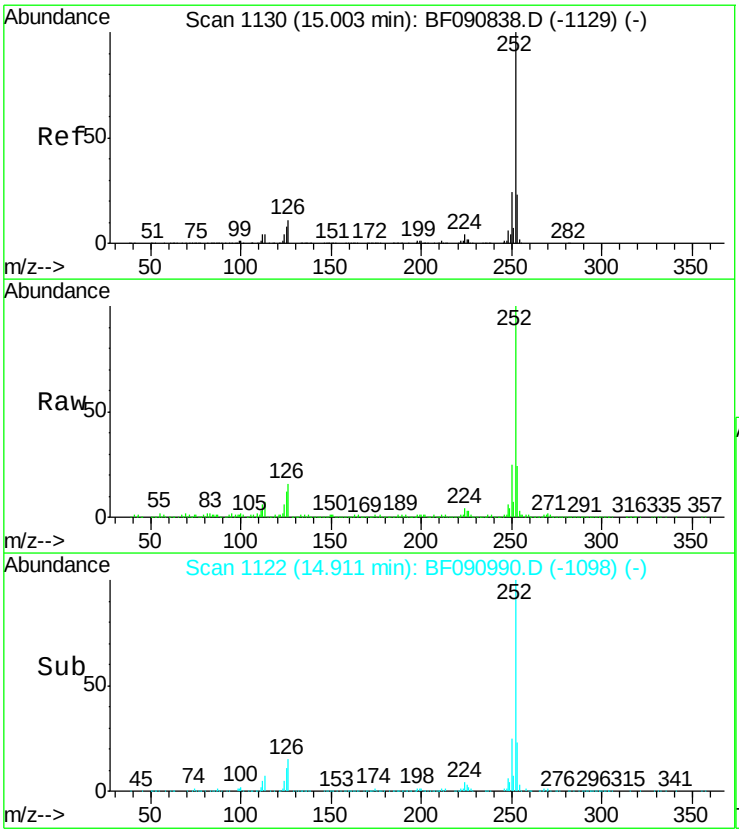
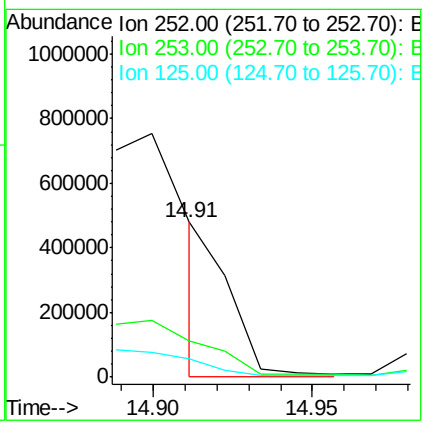
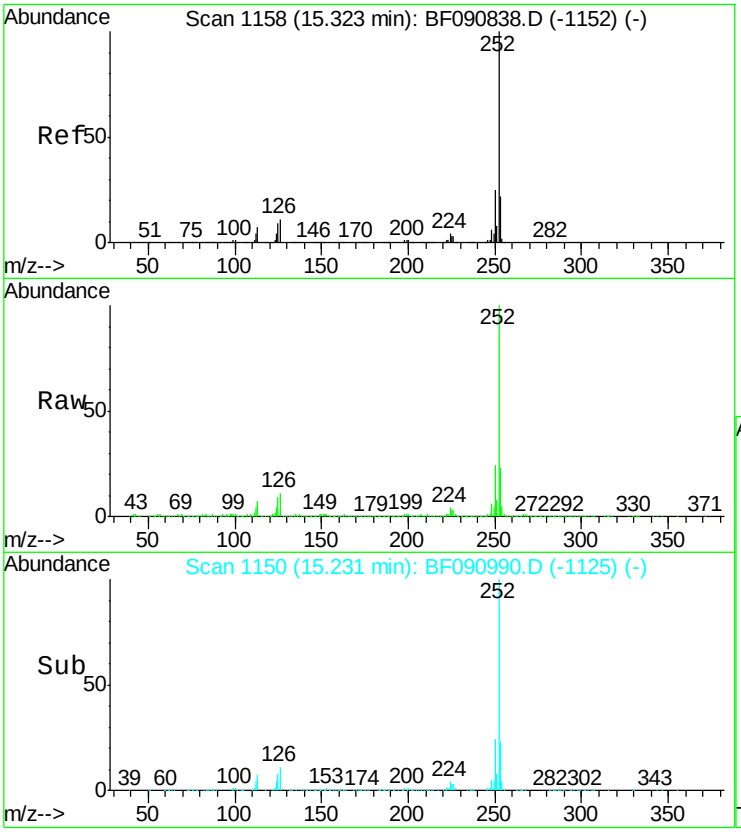


#88
Benzo(k)fluoranthene
Concen: 11.44 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:252 Resp: 248700

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	12.0	16.0	24.0#





#89
Benzo(a)pyrene
Concen: 38.53 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:252 Resp: 911003

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	8.7	18.0	27.0#

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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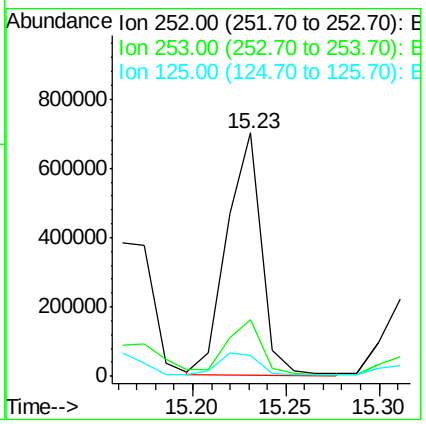
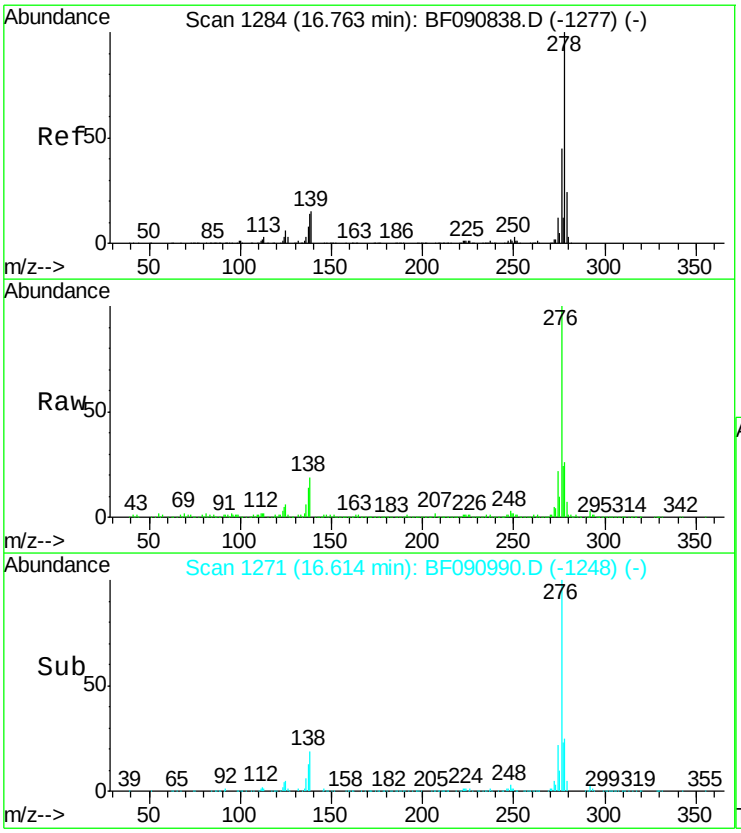
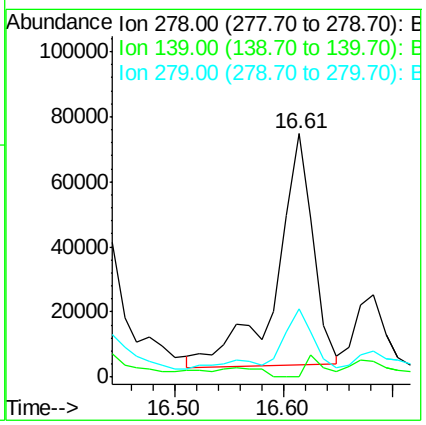


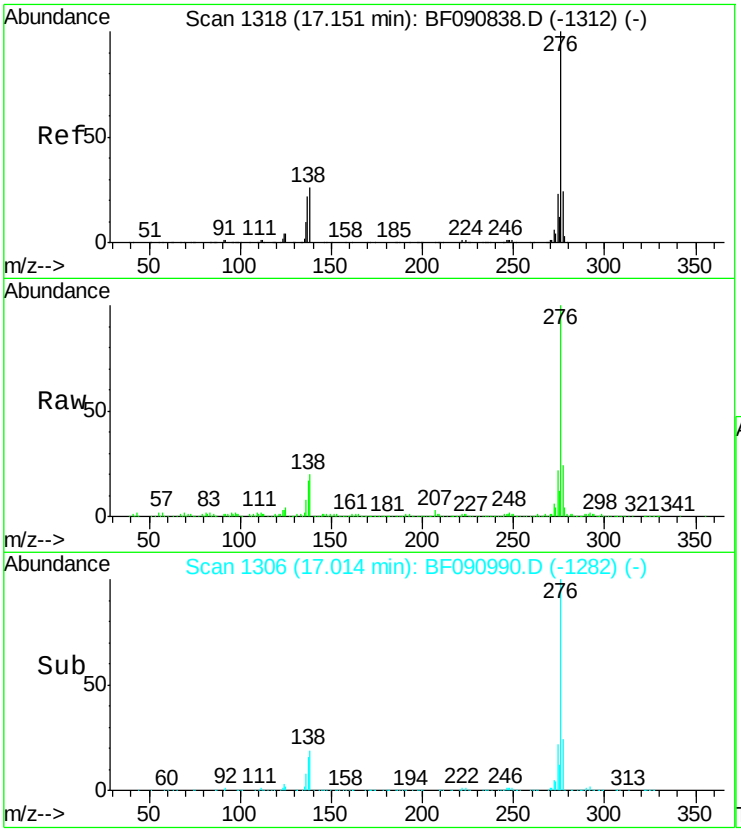


#90
Dibenzo(a,h)anthracene
Concen: 8.28 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:278 Resp: 165797

Ion	Ratio	Lower	Upper
278	100		
139	0.0	26.3	39.5#
279	27.8	18.2	27.4#

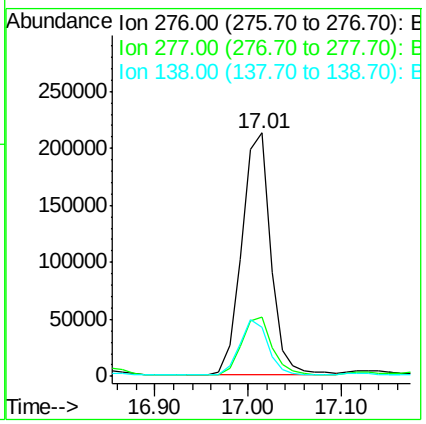




#91
Benzo(g,h,i)perylene
Concen: 24.23 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF090990.D
Acq: 2 Nov 2016 20:02

Tgt Ion:276 Resp: 456761

Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.8	26.6
138	20.3	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0

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