Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086719.D
Acq On : 5 May 2016 21:45
Operator : UM/SJ
Sample : H2762-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-B1COMP

Manual Integrations APPROVED
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Quant Time: May 09 18:50:42 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	171168	40.00	ng	0.00
21) Naphthalene-d8	8.04	136	226851	40.00	ng	0.01
38) Acenaphthene-d10	9.79	164	249287	40.00	ng	0.01
63) Phenanthrene-d10	11.28	188	276043	40.00	ng	0.02
75) Chrysene-d12	13.92	240	258180	40.00	ng	0.03
86) Perylene-d12	15.30	264	388647	40.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1542604	149.20	ng	0.00
7) Phenol-d6	6.38	99	1917037	137.64	ng	0.01
23) Nitrobenzene-d5	7.31	82	1146864	259.79	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	328597	134.75	ng	0.01
44) 2-Fluorobiphenyl	9.10	172	1467989	96.53	ng	0.00
78) Terphenyl-d14	12.85	244	1018730	79.75	ng	0.01
Target Compounds						Qvalue
22) Acetophenone	7.13	105	215136	40.70	ng	# 53
31) Naphthalene	8.14	128	32280609	2785.25	ng	# 83
37) 2-Methylnaphthalene	8.80	142	11579576	1693.47	ng	# 93
45) 1,1'-Biphenyl	9.22	154	3460008	169.77	ng	94
48) Acenaphthylene	9.65	152	3119533	133.61	ng	# 92
49) Dimethylphthalate	9.52	163	182961	9.85	ng	# 90
51) Acenaphthene	9.86	154	6203013	402.76	ng	99
54) Dibenzofuran	10.00	168	1112621	58.28	ng	# 73
57) Fluorene	10.36	166	6140911m	396.93	ng	
70) Phenanthrene	11.34	178	13285877	896.03	ng	93
71) Anthracene	11.38	178	4087026m	263.23	ng	
72) Carbazole	11.50	167	177256	13.15	ng	# 70
74) Fluoranthene	12.51	202	5223585	351.53	ng	95
77) Pyrene	12.74	202	7369699m	358.05	ng	
80) Benzo(a)anthracene	13.90	228	4044157	276.96	ng	# 89
82) Chrysene	13.94	228	2799880m	179.74	ng	
85) Indeno(1,2,3-cd)pyrene	16.63	276	1376680	103.00	ng	# 89
87) Benzo(b)fluoranthene	14.91	252	2834741m	121.38	ng	
88) Benzo(k)fluoranthene	14.92	252	1069326m	48.60	ng	
89) Benzo(a)pyrene	15.25	252	3420579	159.01	ng	96
90) Dibenzo(a,h)anthracene	16.63	278	320357	15.50	ng	96
91) Benzo(g,h,i)perylene	17.04	276	1476552m	68.06	ng	

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

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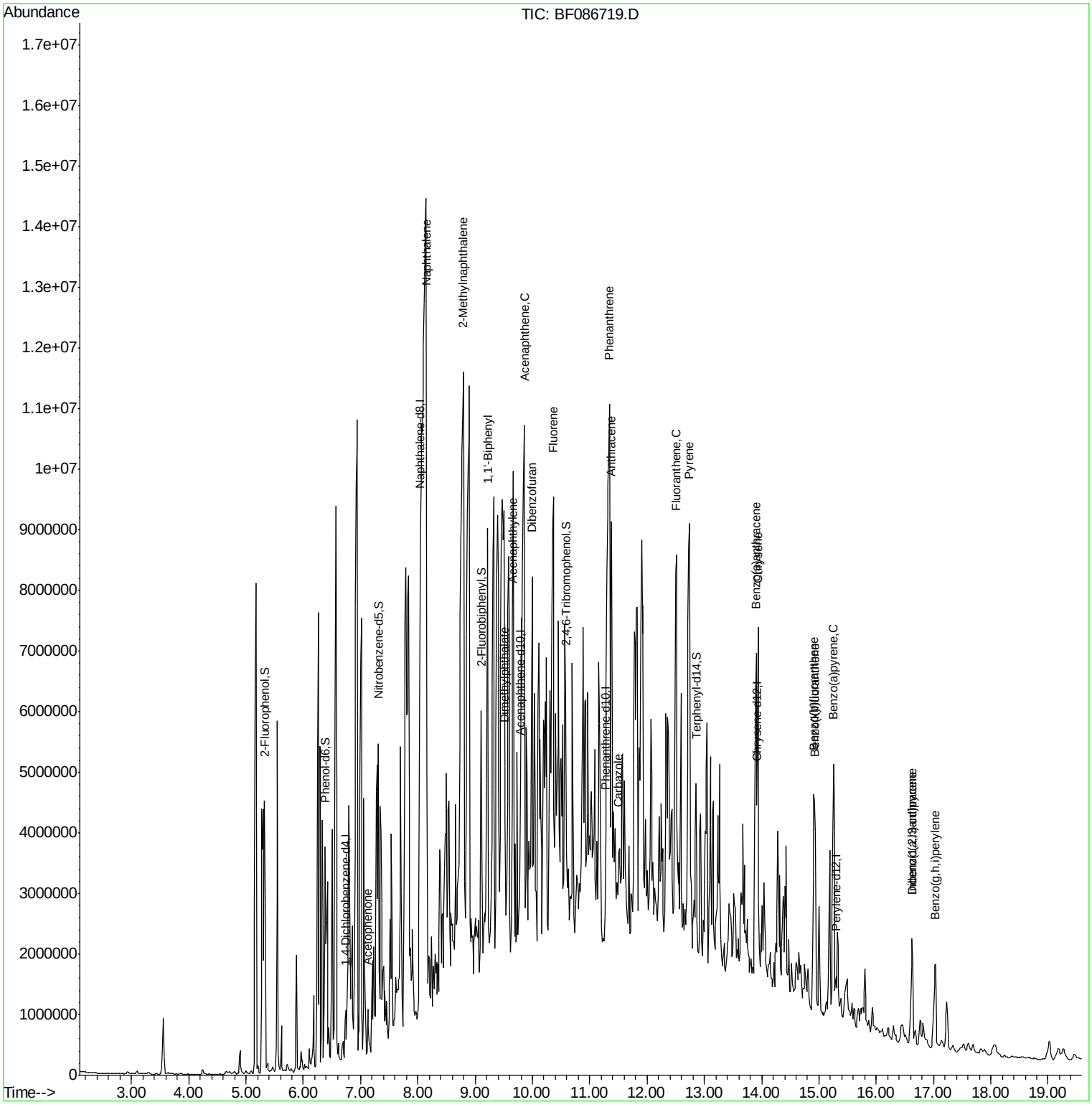
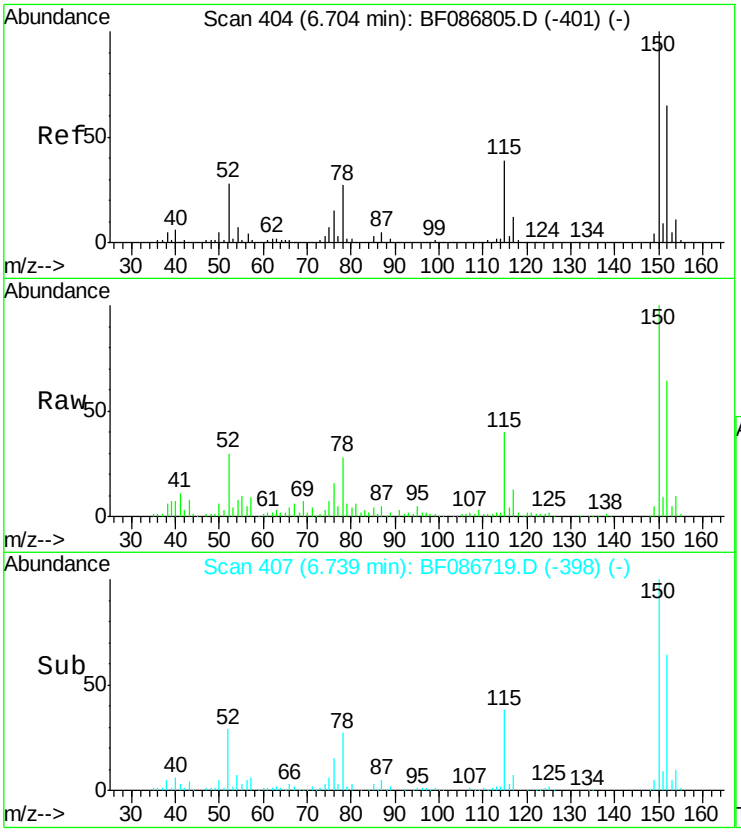
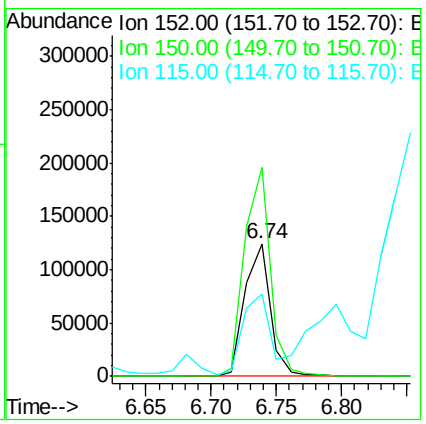




#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:152 Resp: 171168

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.8	188.6
115	62.4	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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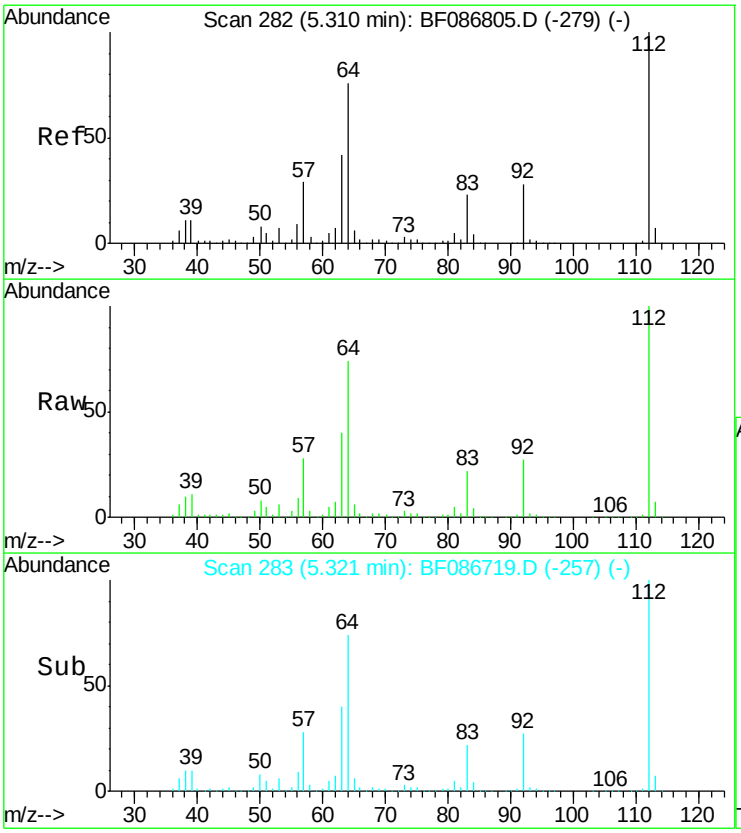
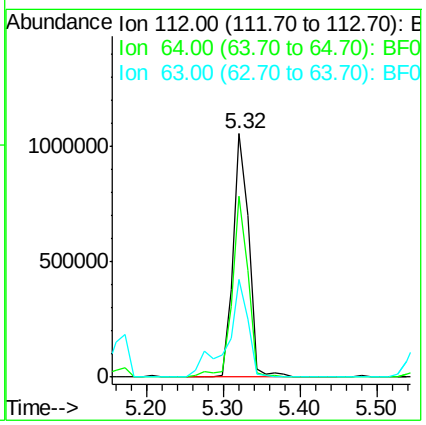
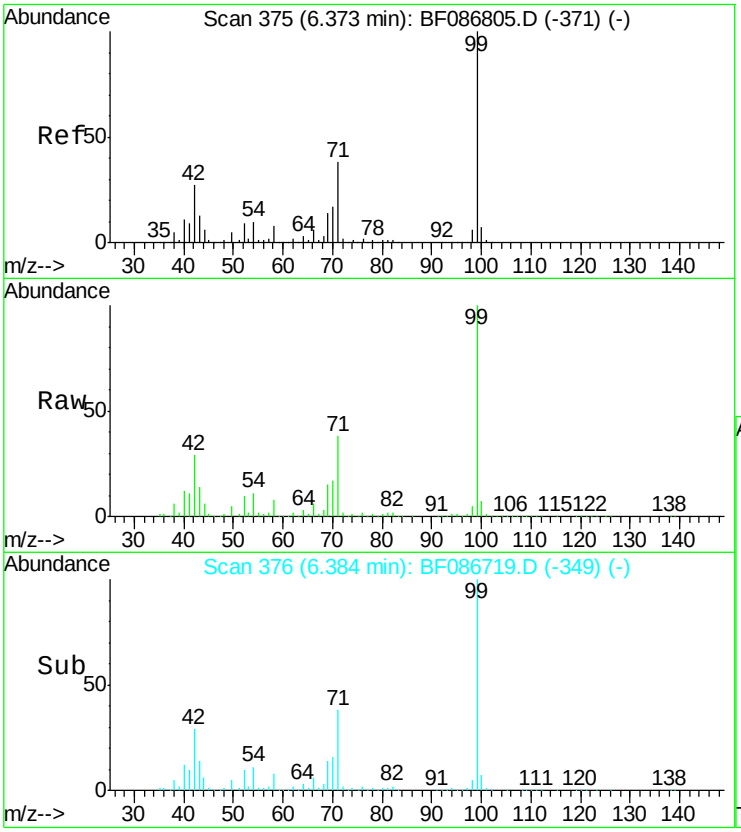


#5
2-Fluorophenol
Concen: 149.20 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:112 Resp: 1542604

Ion	Ratio	Lower	Upper
112	100		
64	74.4	52.1	78.1
63	40.0	25.7	38.5#

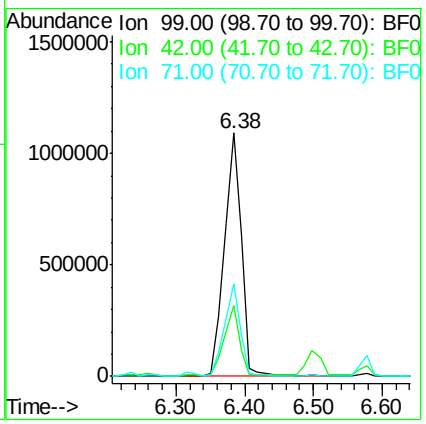




#7
Phenol-d6
Concen: 137.64 ng
RT: 6.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion: 99 Resp: 1917037

Ion	Ratio	Lower	Upper
99	100		
42	29.0	13.6	20.4#
71	38.1	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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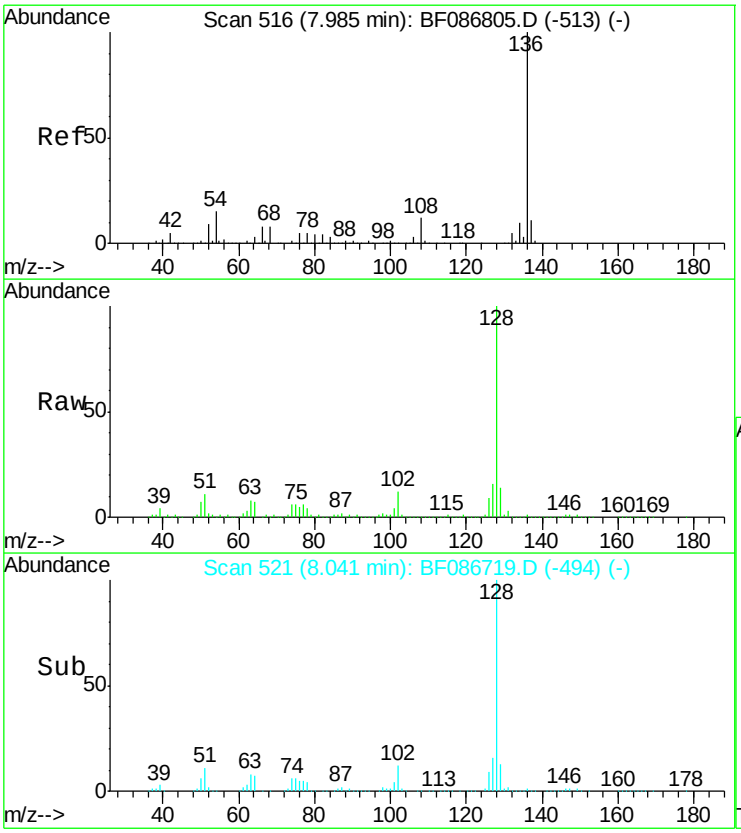
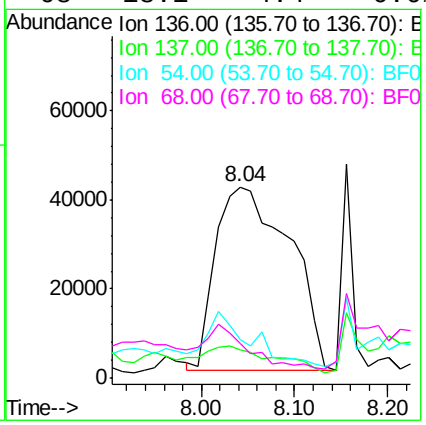
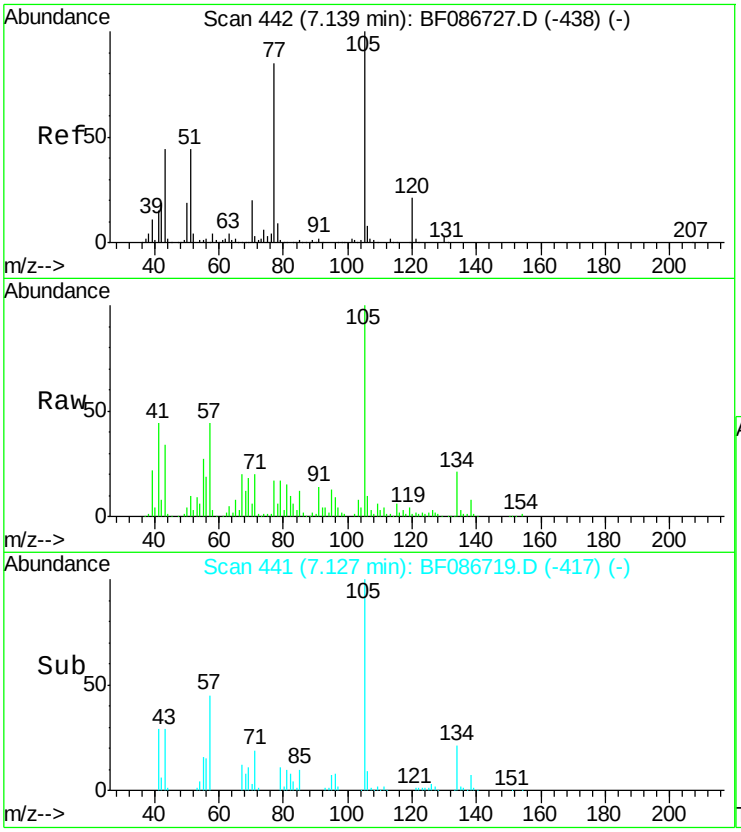


#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:136 Resp: 226851

Ion	Ratio	Lower	Upper
136	100		
137	15.0	8.8	13.2#
54	19.8	5.0	7.4#
68	18.1	4.4	6.6#

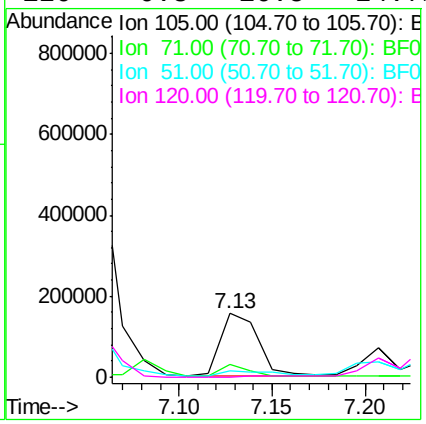




#22
Acetophenone
Concen: 40.70 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:105 Resp: 215136

Ion	Ratio	Lower	Upper
105	100		
71	20.0	4.8	7.2#
51	9.6	32.6	49.0#
120	0.8	16.5	24.7#



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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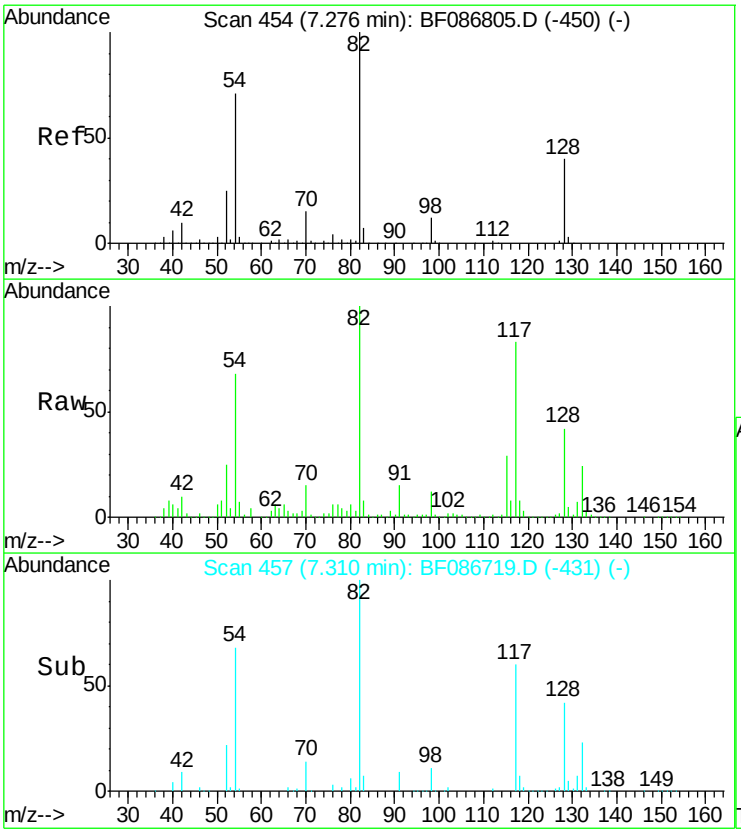
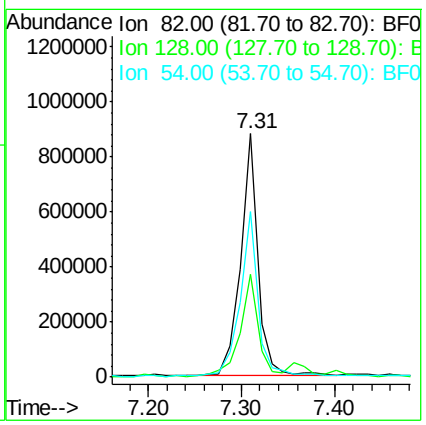
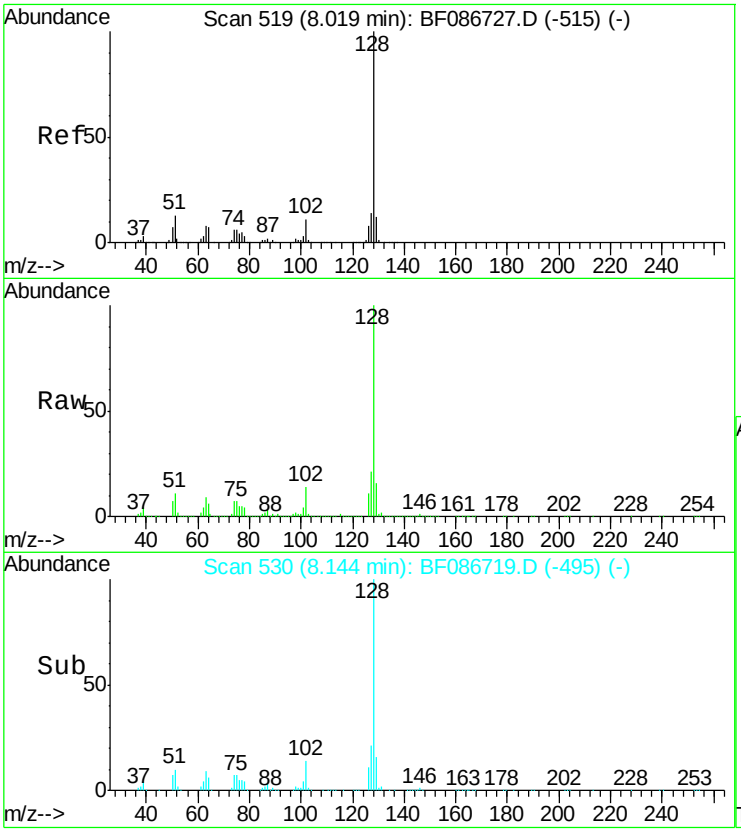


#23
Nitrobenzene-d5
Concen: 259.79 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion: 82 Resp: 1146864

Ion	Ratio	Lower	Upper
82	100		
128	42.1	40.6	61.0
54	67.9	38.1	57.1#

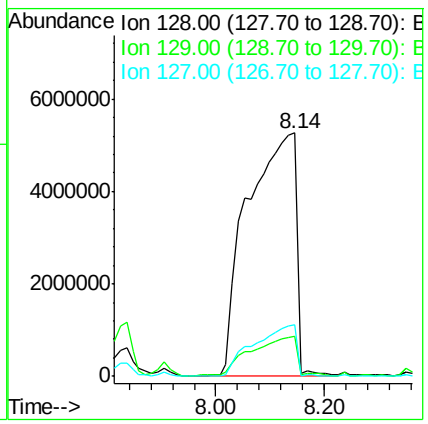




#31
Naphthalene
Concen: 2785.25 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.10 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:128 Resp:32280609

Ion	Ratio	Lower	Upper
128	100		
129	16.3	8.6	13.0#
127	21.3	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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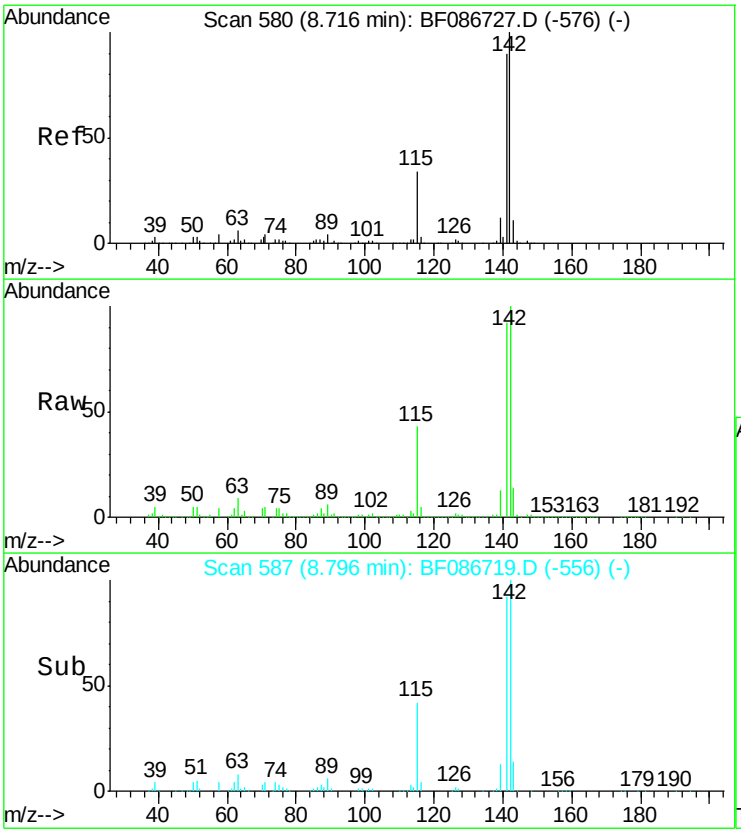
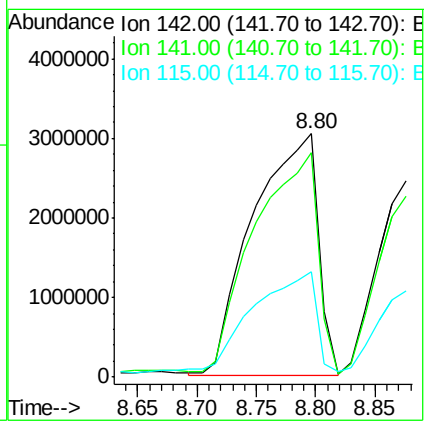
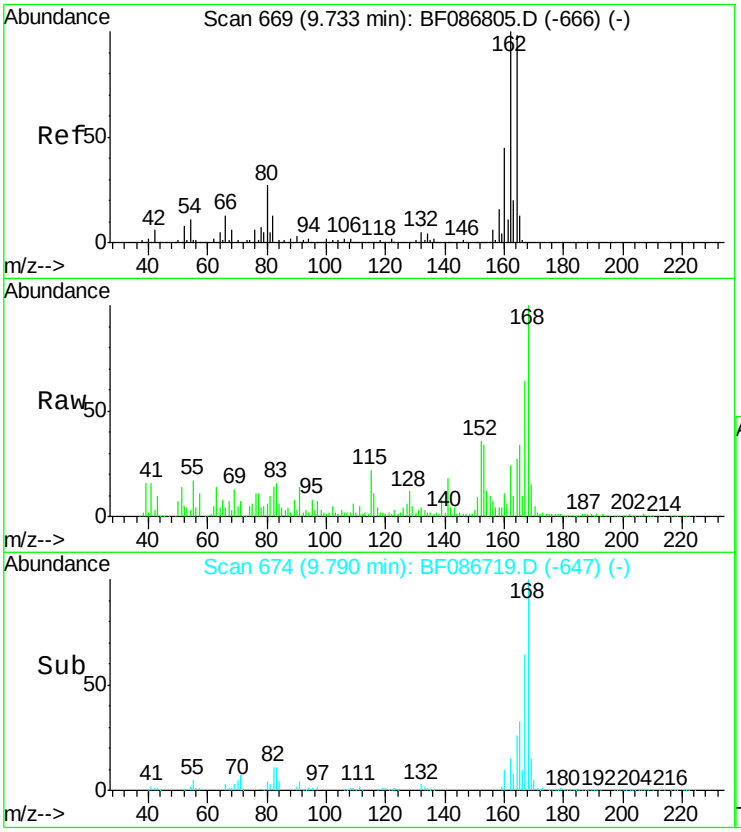


#37
2-Methylnaphthalene
Concen: 1693.47 ng
RT: 8.80 min Scan# 587
Delta R.T. 0.06 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:142 Resp:11579576

Ion	Ratio	Lower	Upper
142	100		
141	92.1	71.0	106.6
115	43.0	26.6	39.8#

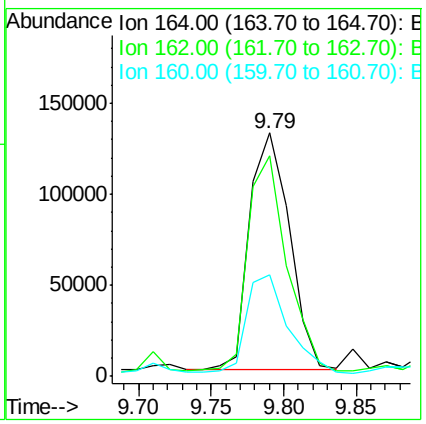




#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.79 min Scan# 674
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:164 Resp: 249287

Ion	Ratio	Lower	Upper
164	100		
162	90.4	82.8	124.2
160	41.8	36.9	55.3



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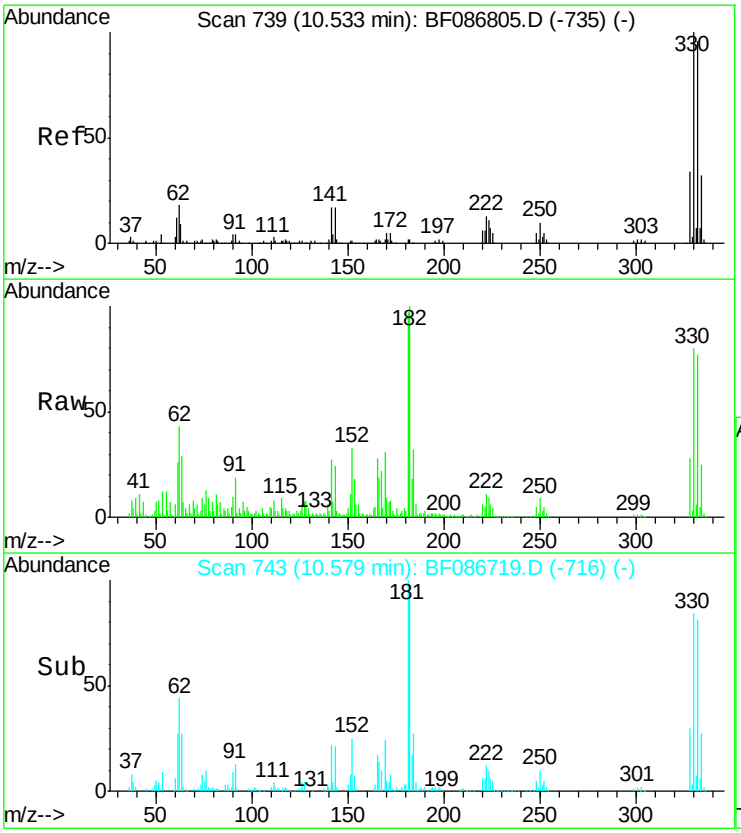
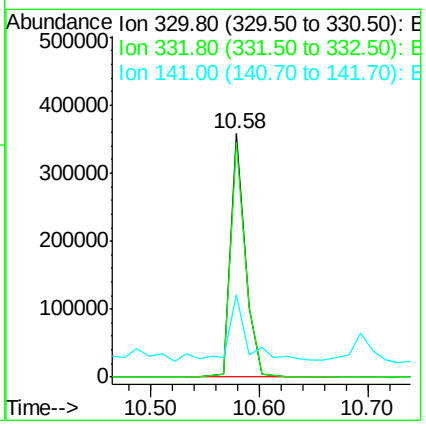
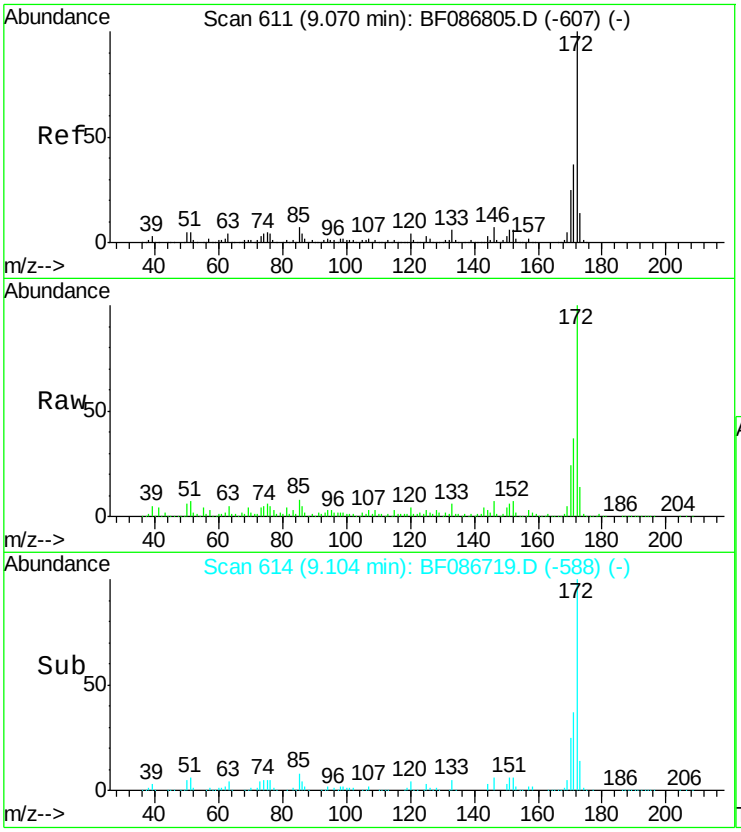


#41
2,4,6-Tribromophenol
Concen: 134.75 ng
RT: 10.58 min Scan# 743
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:330 Resp: 328597

Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.0	118.4
141	31.7	31.2	46.8

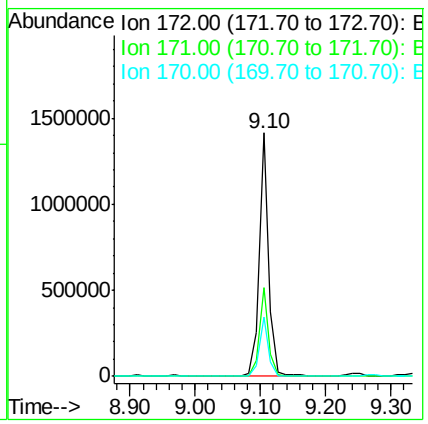




#44
2-Fluorobiphenyl
Concen: 96.53 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.00 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:172 Resp: 1467989

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.6
170	24.5	19.8	29.8



Instrument :
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ClientSampleId :
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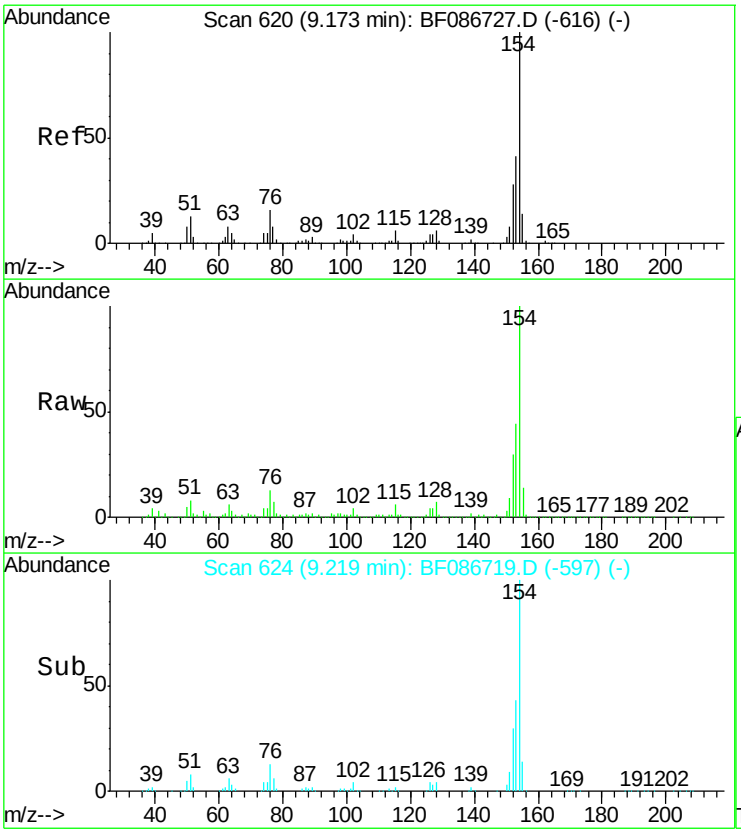
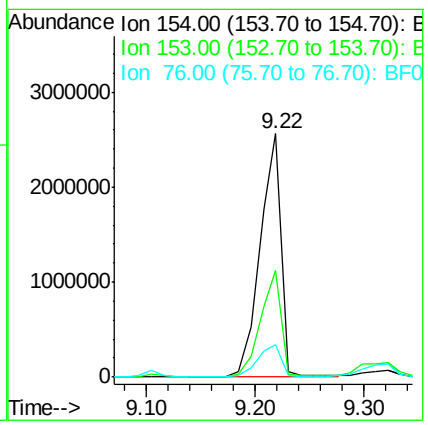
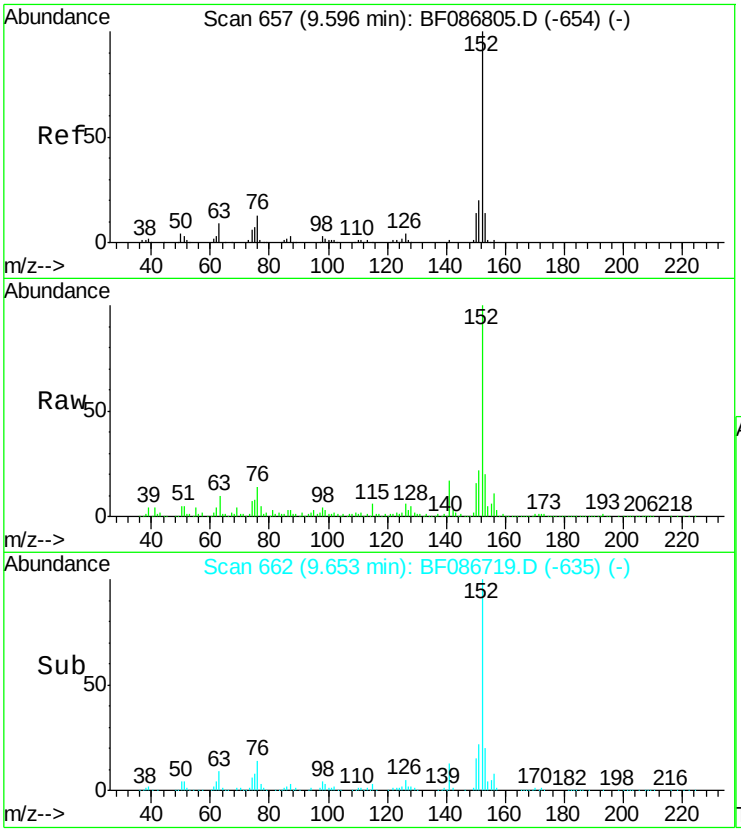


#45
1,1'-Biphenyl
Concen: 169.77 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:154 Resp: 3460008

Ion	Ratio	Lower	Upper
154	100		
153	43.6	20.3	60.3
76	13.3	0.0	30.2

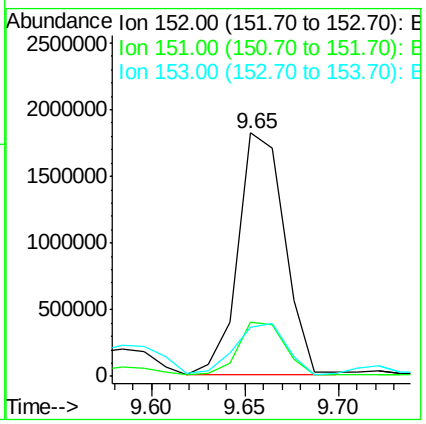




#48
Acenaphthylene
Concen: 133.61 ng
RT: 9.65 min Scan# 662
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:152 Resp: 3119533

Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.8	25.2
153	20.2	10.9	16.3#



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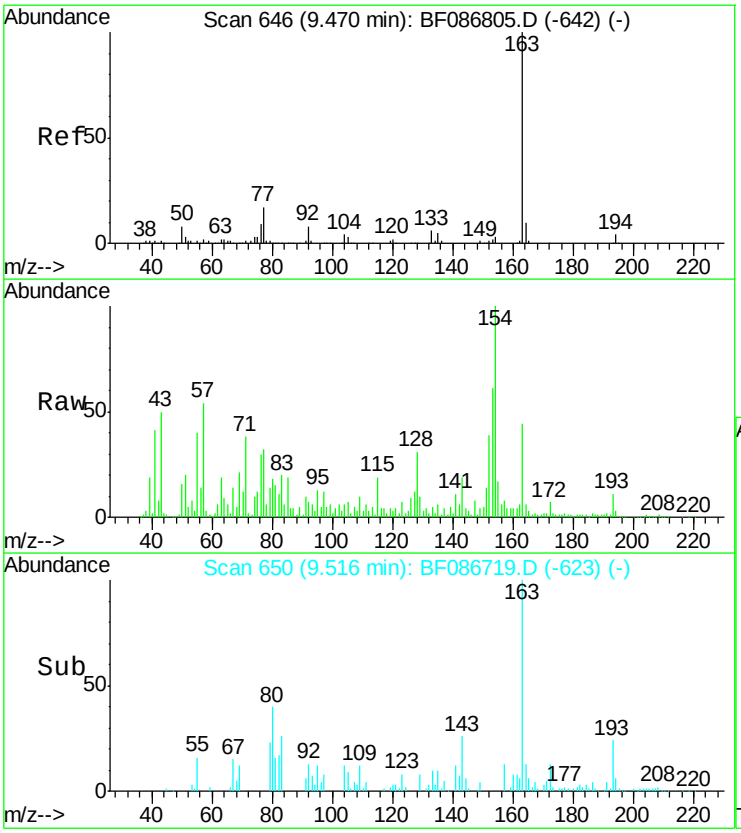
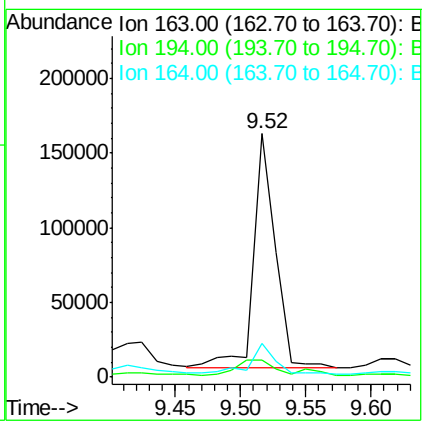
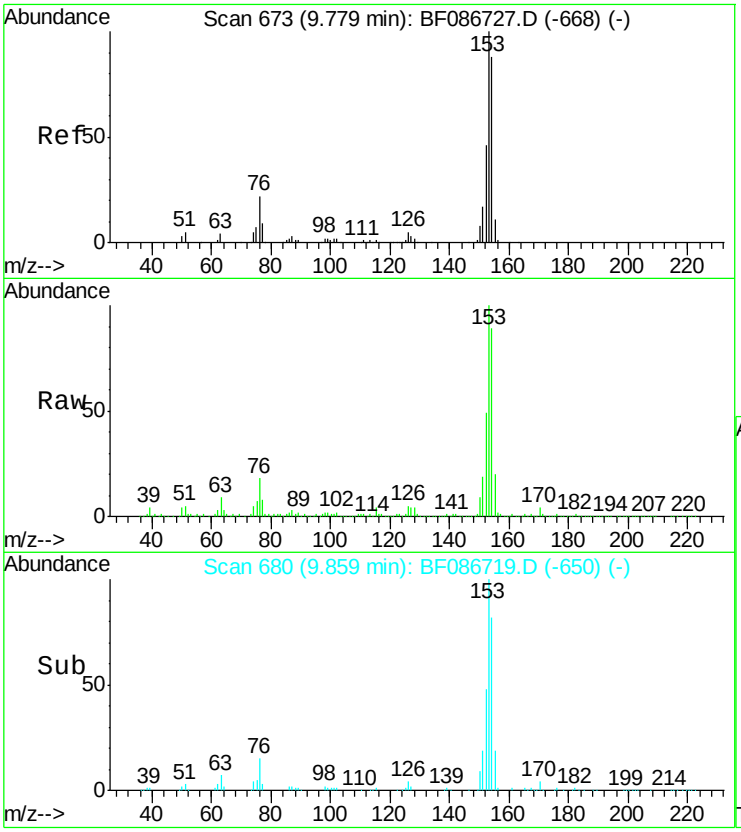


#49
Dimethylphthalate
Concen: 9.85 ng
RT: 9.52 min Scan# 650
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:163 Resp: 182961

Ion	Ratio	Lower	Upper
163	100		
194	7.0	2.6	4.0#
164	13.9	8.2	12.4#

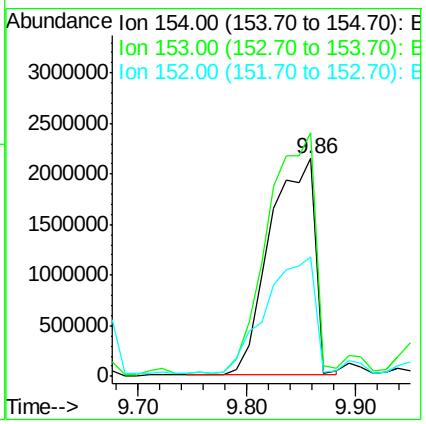




#51
Acenaphthene
Concen: 402.76 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.05 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:154 Resp: 6203013

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.8	134.6
152	55.1	43.4	65.0



Instrument :
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ClientSampleId :
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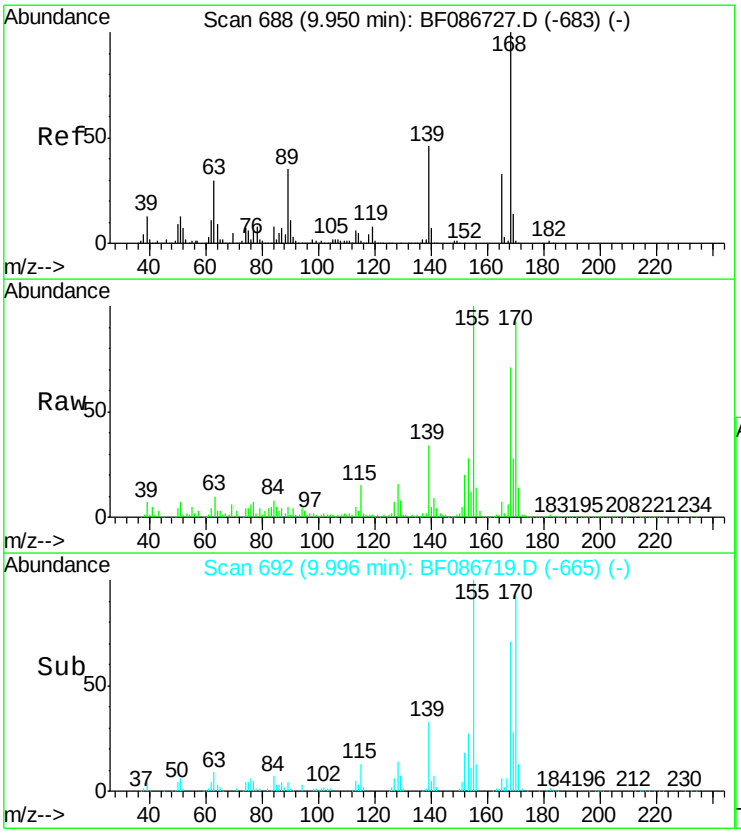
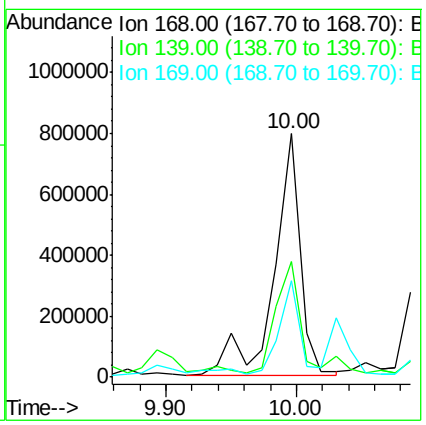
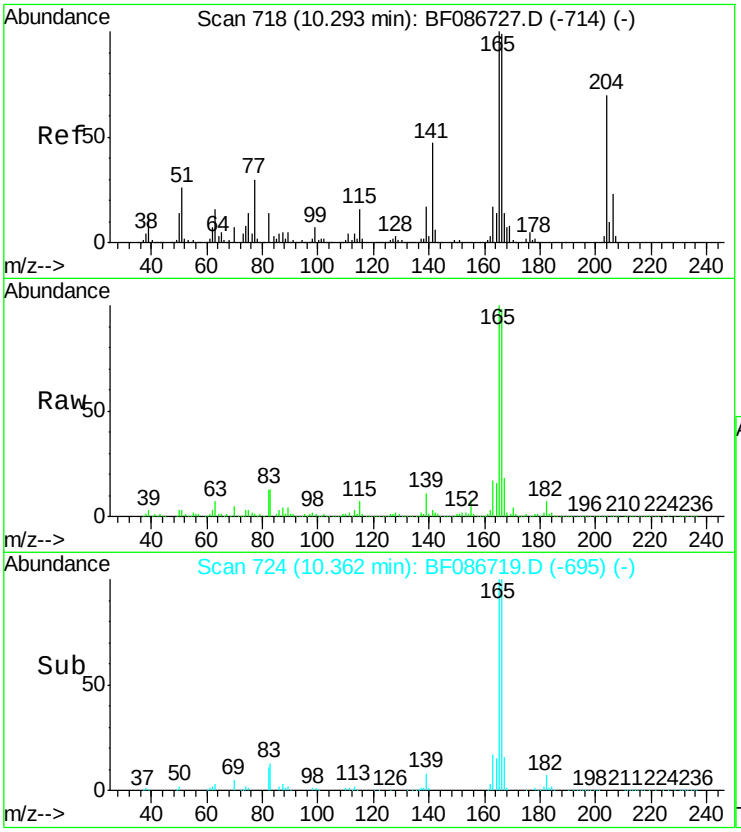


#54
Dibenzofuran
Concen: 58.28 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:168 Resp: 1112621

Ion	Ratio	Lower	Upper
168	100		
139	47.5	31.4	47.0#
169	39.7	10.7	16.1#

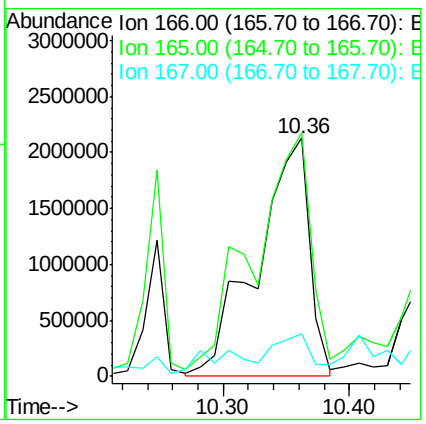




#57
Fluorene
Concen: 396.93 ng m
RT: 10.36 min Scan# 724
Delta R.T. 0.03 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:166 Resp: 6140911

Ion	Ratio	Lower	Upper
166	100		
165	102.1	79.0	118.6
167	17.9	10.6	15.8#



Instrument :
BNA_F
ClientSampleId :
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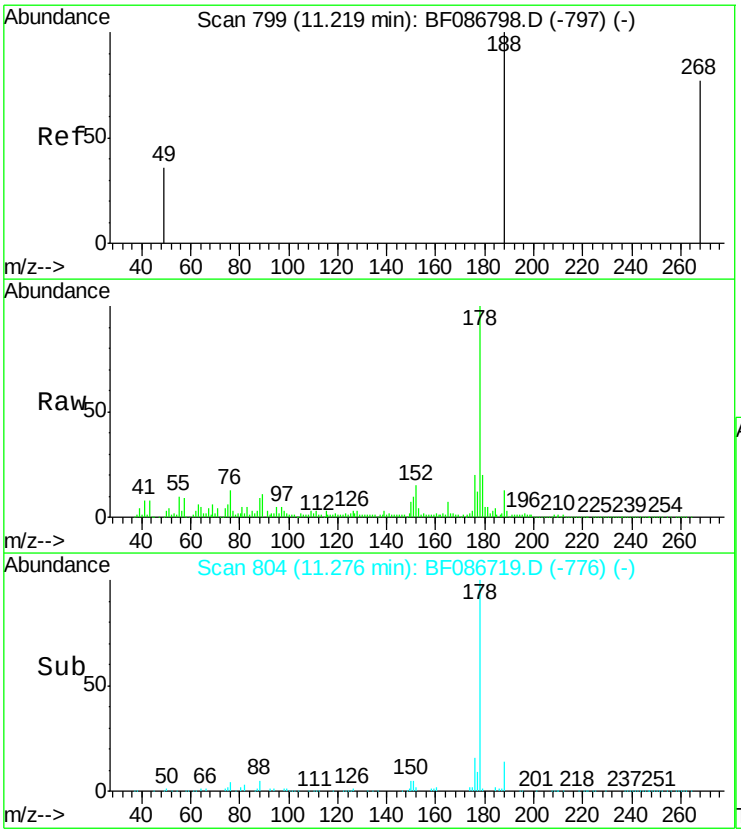
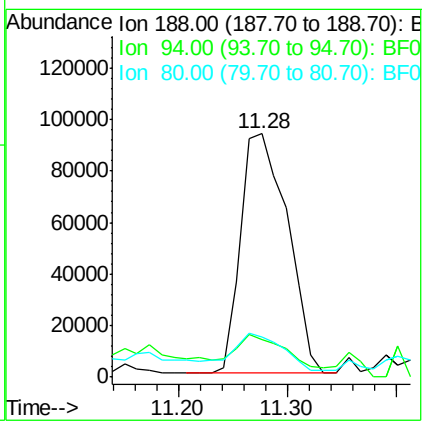
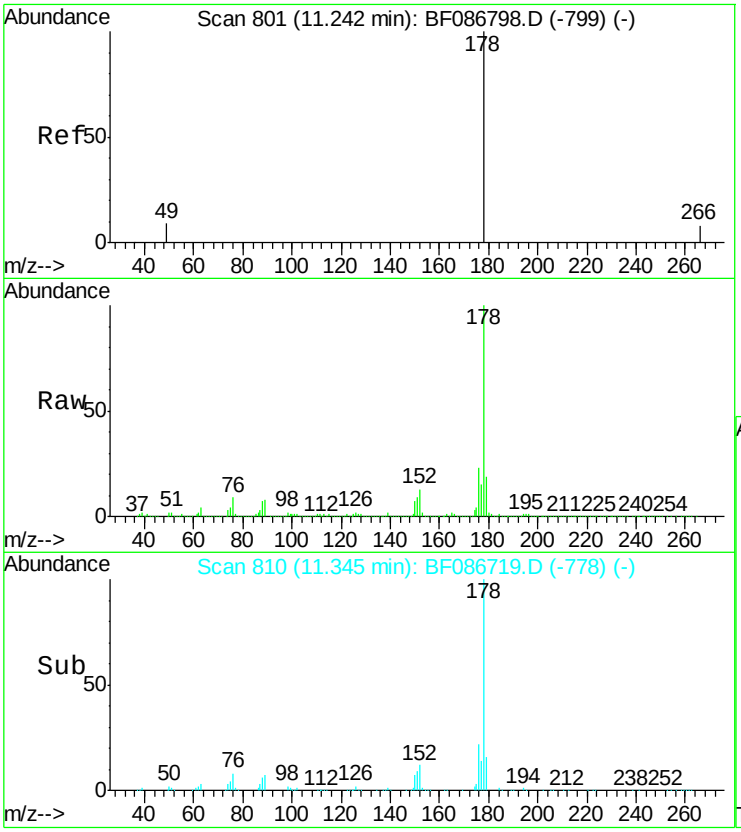


#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.02 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:188 Resp: 276043

Ion	Ratio	Lower	Upper
188	100		
94	15.7	6.8	10.2#
80	16.7	7.1	10.7#

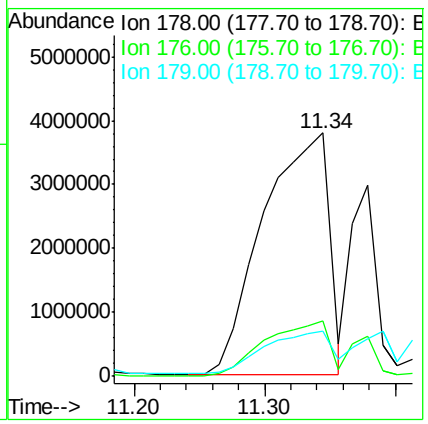




#70
Phenanthrene
Concen: 896.03 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.07 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:178 Resp:13285877

Ion	Ratio	Lower	Upper
178	100		
176	22.9	16.0	24.0
179	18.7	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
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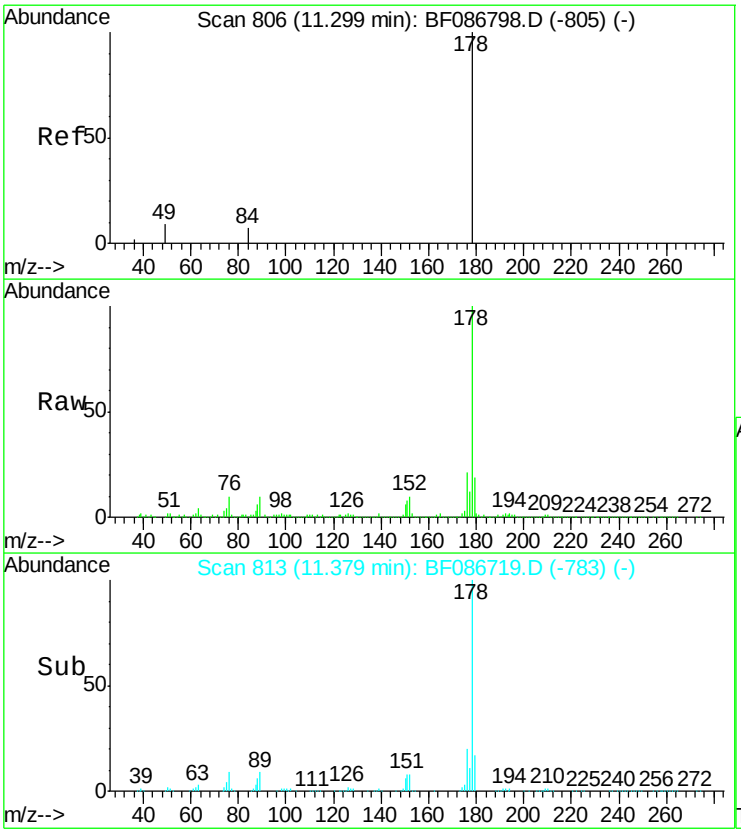
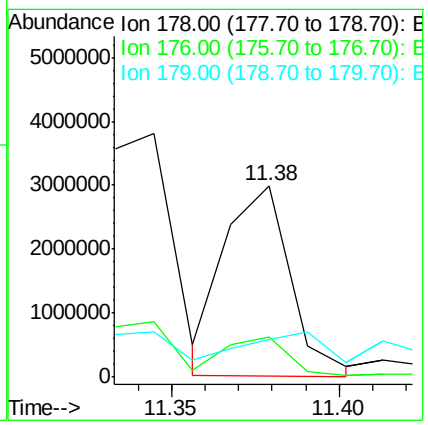
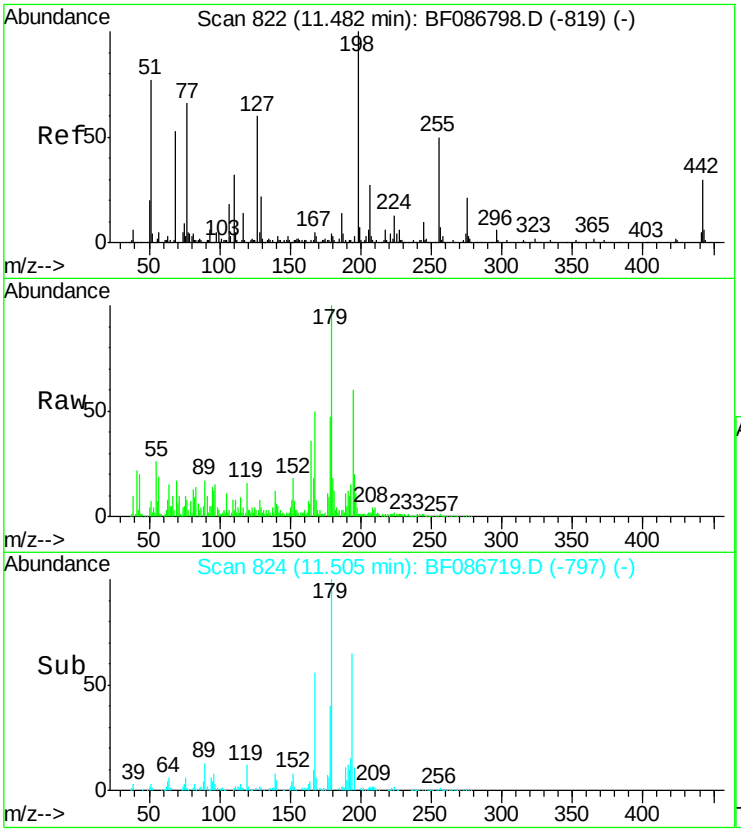


#71
Anthracene
Concen: 263.23 ng m
RT: 11.38 min Scan# 813
Delta R.T. 0.05 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:178 Resp: 4087026

Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.6	23.4
179	19.3	12.7	19.1#

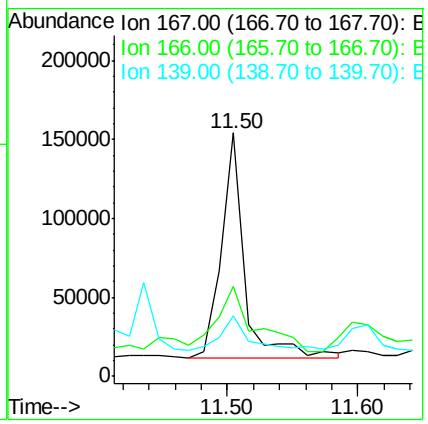




#72
Carbazole
Concen: 13.15 ng
RT: 11.50 min Scan# 824
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:167 Resp: 177256

Ion	Ratio	Lower	Upper
167	100		
166	36.9	17.7	26.5#
139	24.7	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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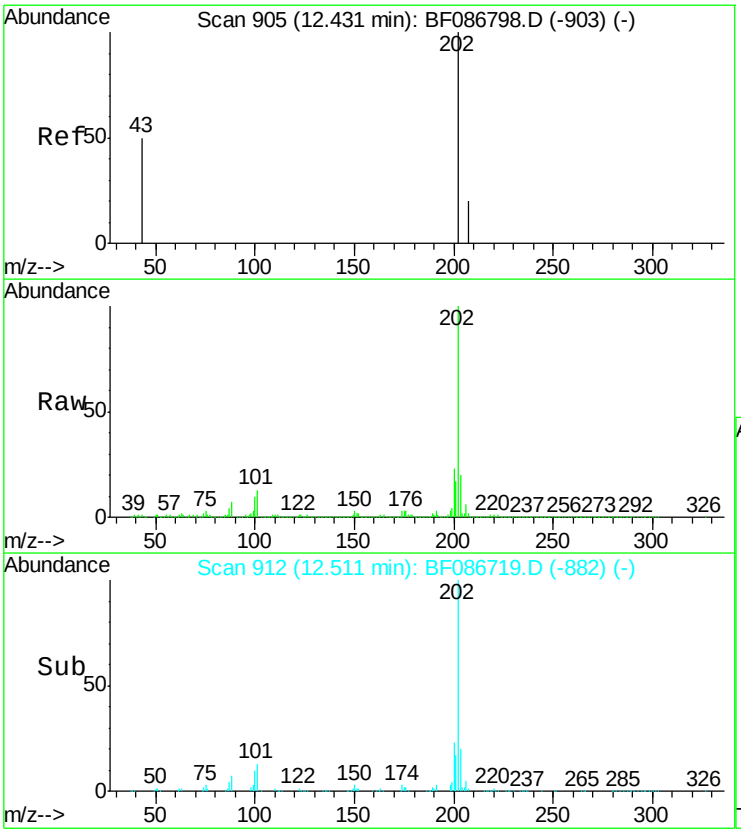
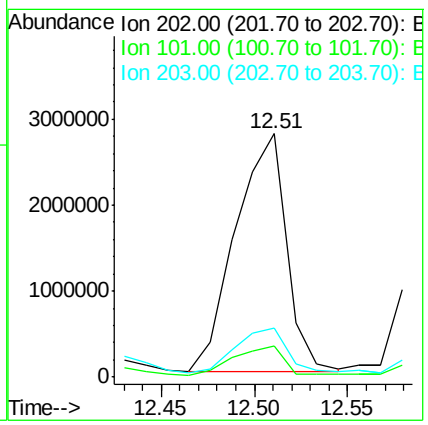
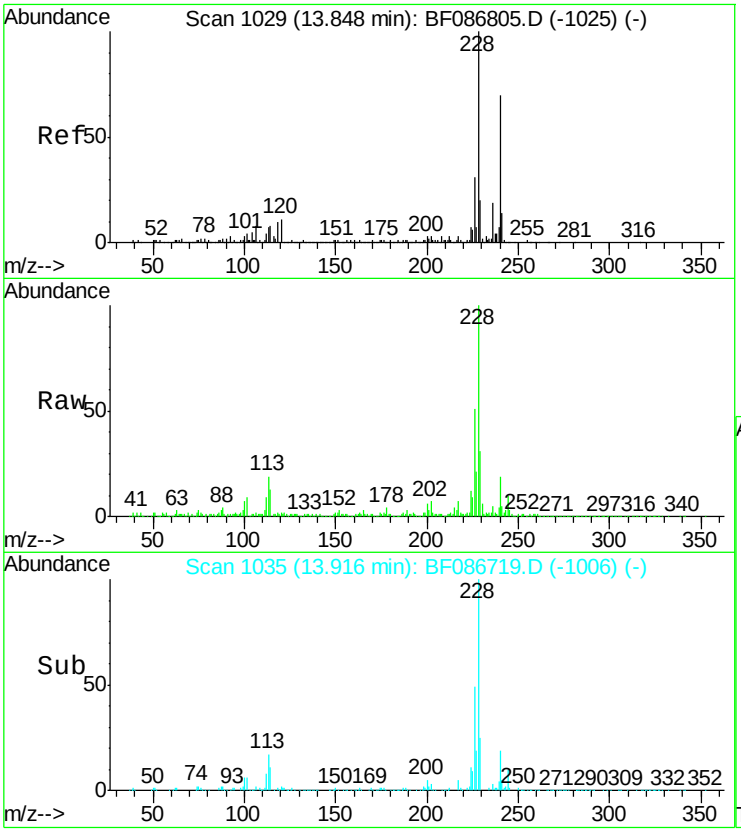


#74
Fluoranthene
Concen: 351.53 ng
RT: 12.51 min Scan# 912
Delta R.T. 0.05 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:202 Resp: 5223585

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	35.4
203	20.1	0.0	38.1

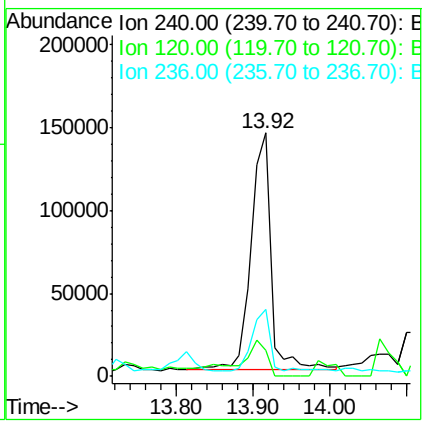




#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.03 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:240 Resp: 258180

Ion	Ratio	Lower	Upper
240	100		
120	10.9	11.2	16.8#
236	27.5	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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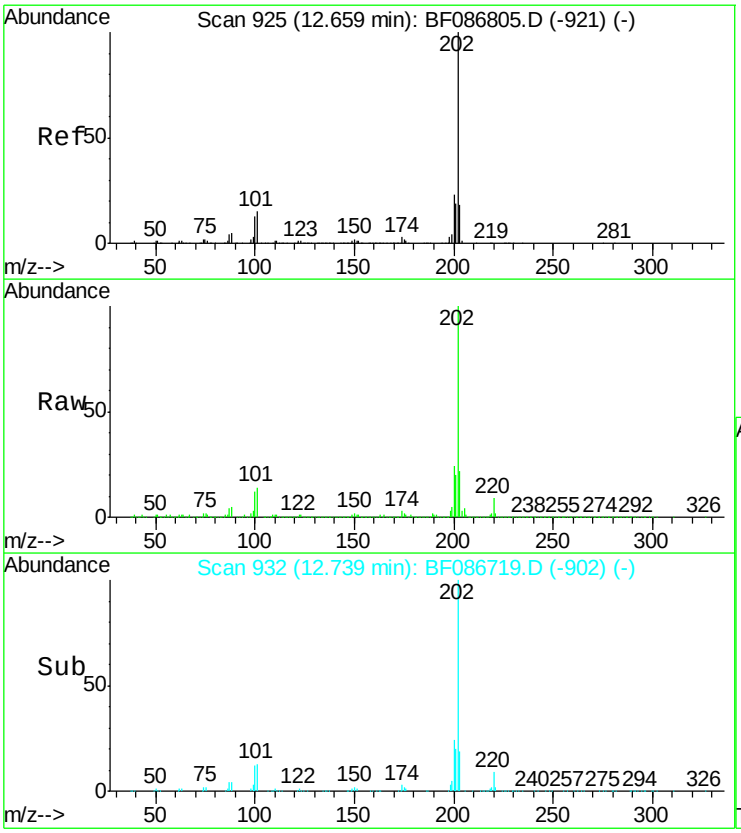
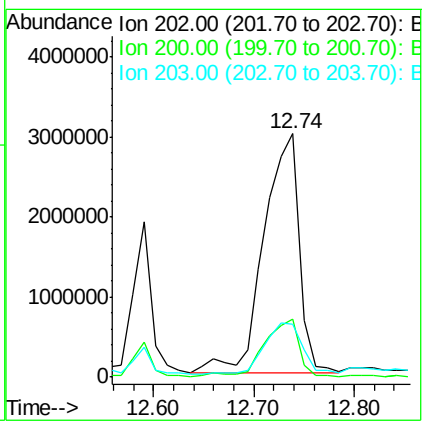
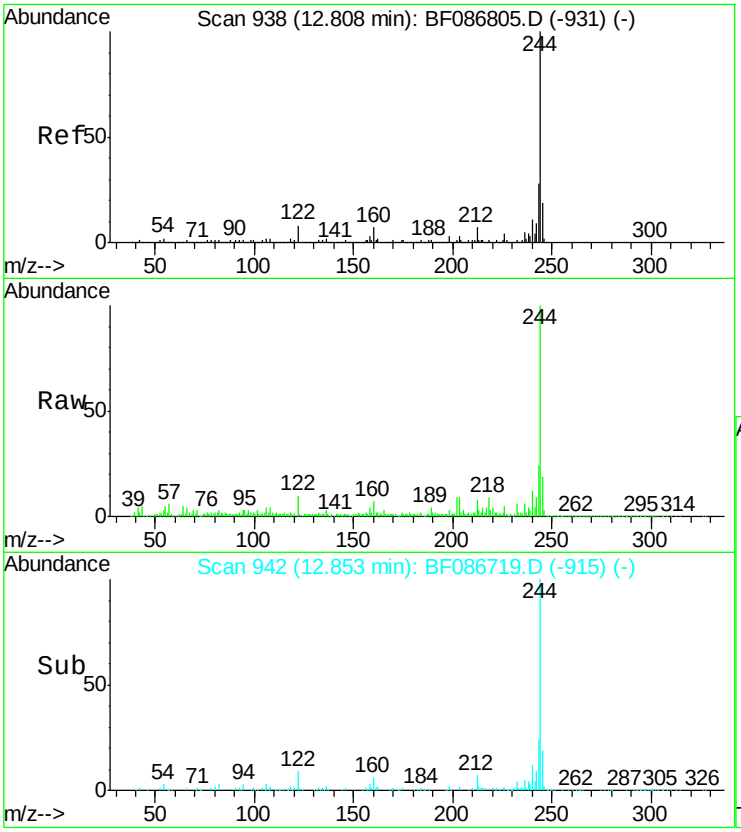


#77
Pyrene
Concen: 358.05 ng m
RT: 12.74 min Scan# 932
Delta R.T. 0.05 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:202 Resp: 7369699

Ion	Ratio	Lower	Upper
202	100		
200	23.8	17.7	26.5
203	21.9	14.2	21.4#

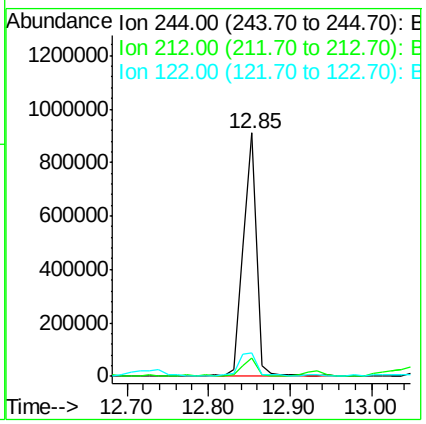




#78
Terphenyl-d14
Concen: 79.75 ng
RT: 12.85 min Scan# 942
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:244 Resp: 1018730

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	9.6	12.0	18.0#



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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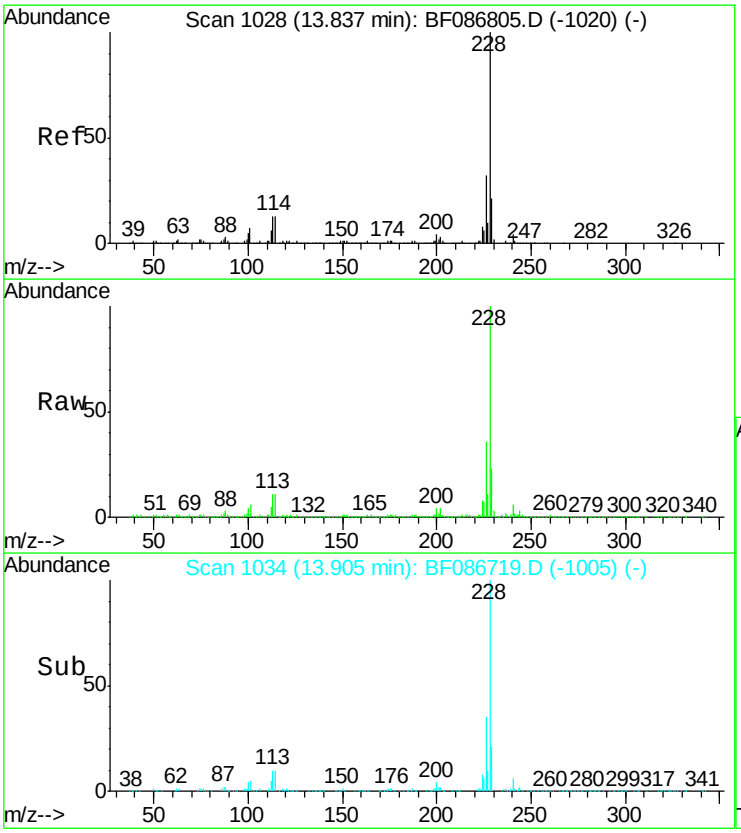
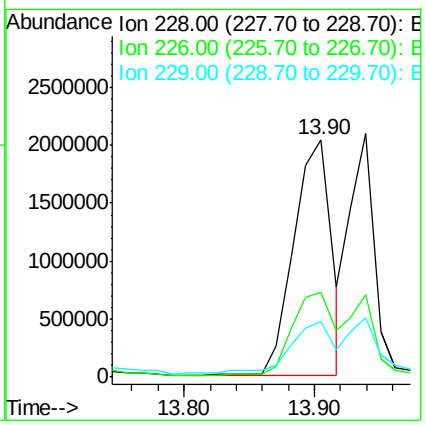
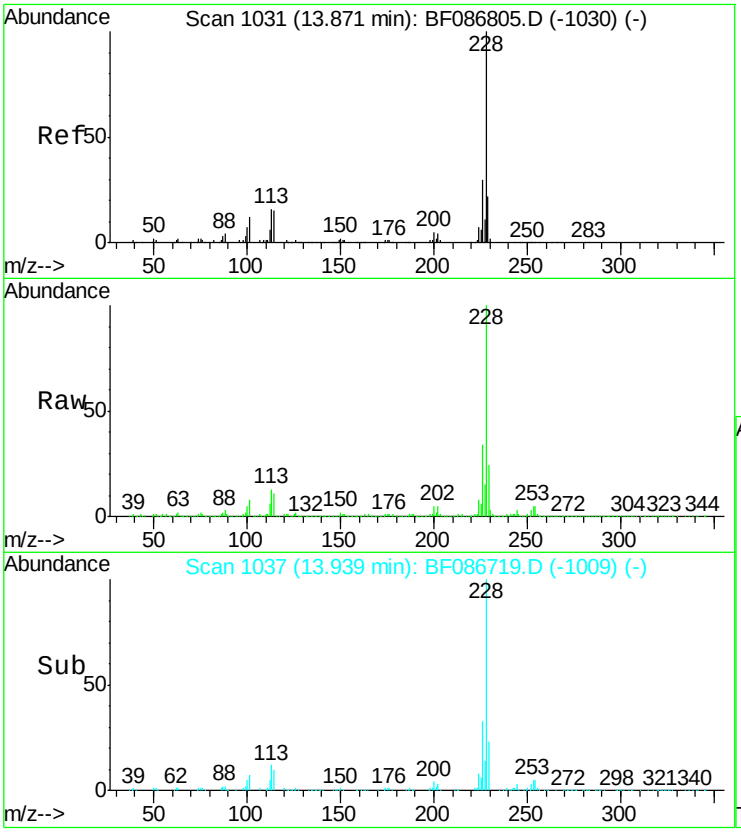


#80
Benzo(a)anthracene
Concen: 276.96 ng
RT: 13.90 min Scan# 1034
Delta R.T. 0.03 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:228 Resp: 4044157

Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.5	33.7#
229	23.1	16.6	25.0

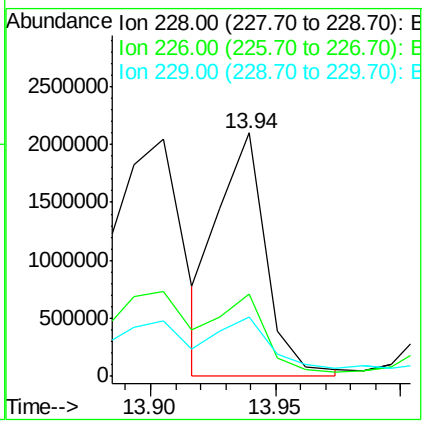




#82
Chrysene
Concen: 179.74 ng m
RT: 13.94 min Scan# 1037
Delta R.T. 0.02 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:228 Resp: 2799880

Ion	Ratio	Lower	Upper
228	100		
226	33.7	24.4	36.6
229	24.5	15.8	23.8#



Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

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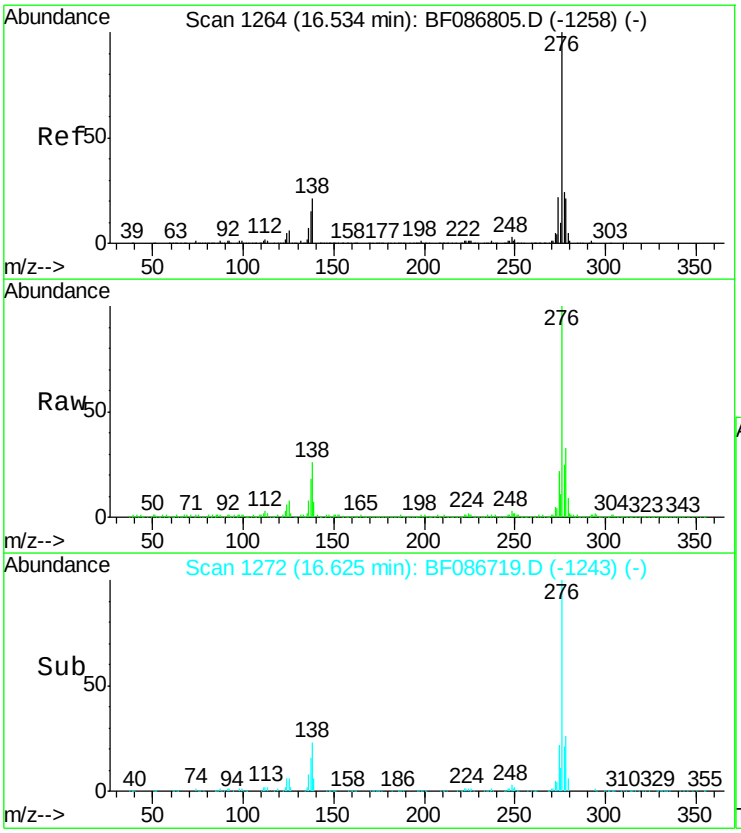
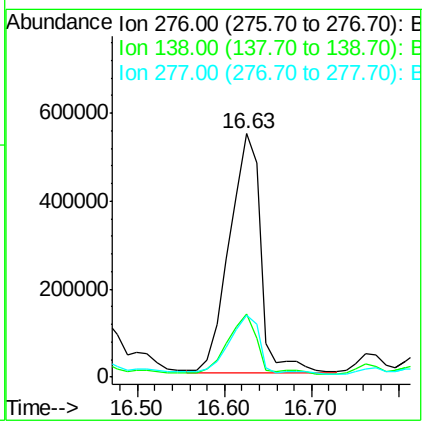
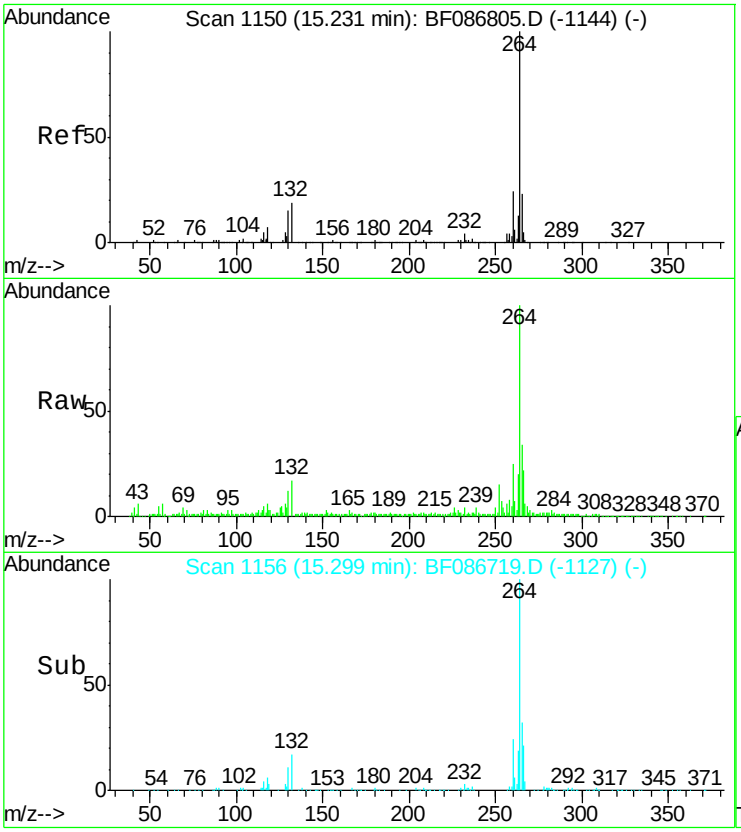


#85
Indeno(1,2,3-cd)pyrene
Concen: 103.00 ng
RT: 16.63 min Scan# 1272
Delta R.T. 0.03 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:276 Resp: 1376680

Ion	Ratio	Lower	Upper
276	100		
138	21.4	25.6	38.4#
277	25.0	20.5	30.7

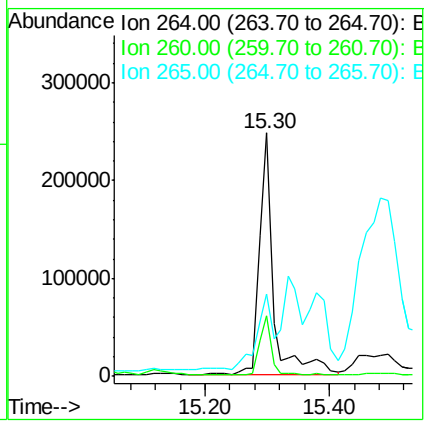




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.03 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:264 Resp: 388647

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	33.8	17.3	25.9#



Instrument :
BNA_F
ClientSampleId :
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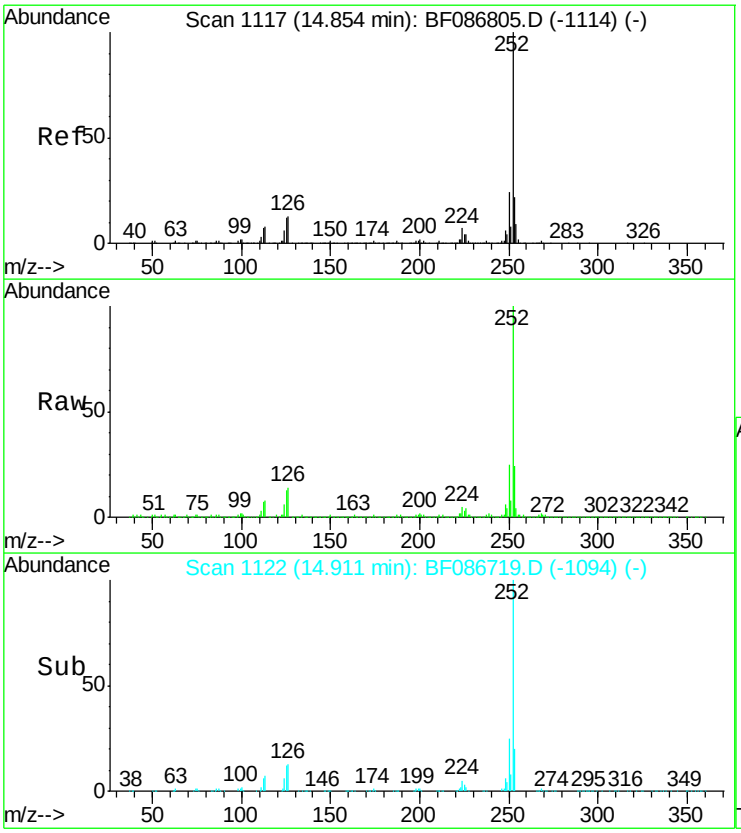
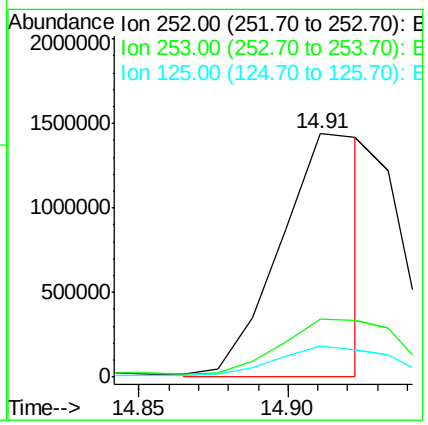
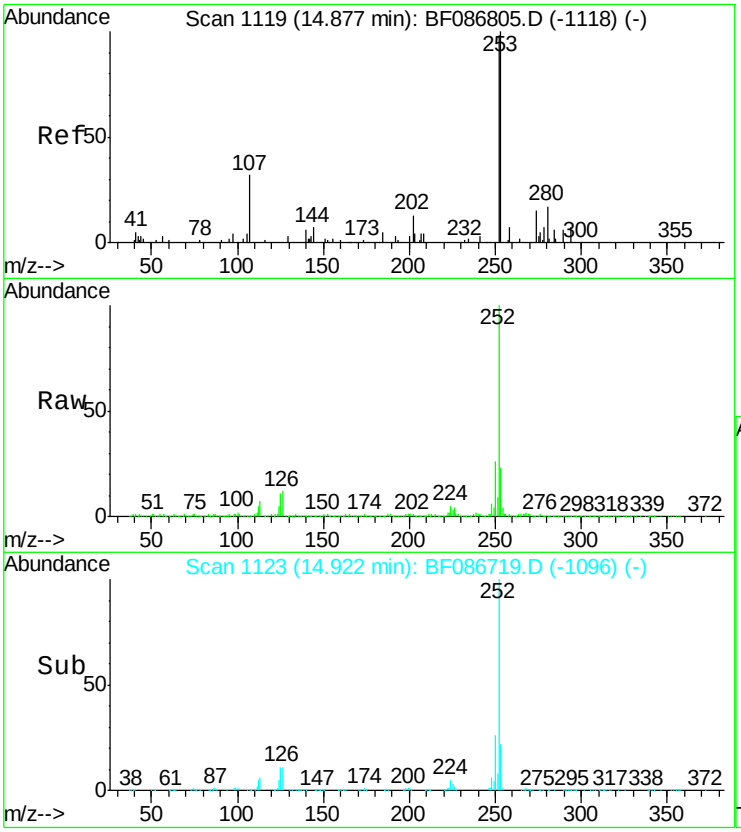


#87
Benzo(b)fluoranthene
Concen: 121.38 ng m
RT: 14.91 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:252 Resp: 2834741

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.7	11.4	17.0

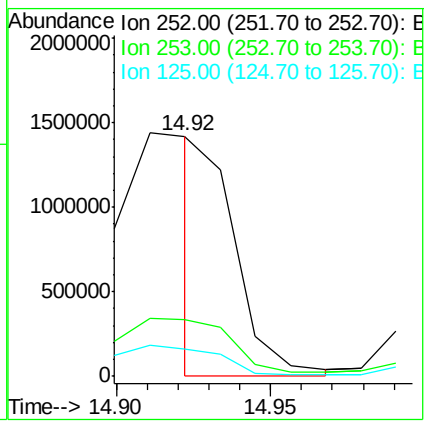




#88
Benzo(k)fluoranthene
Concen: 48.60 ng m
RT: 14.92 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:252 Resp: 1069326

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.4	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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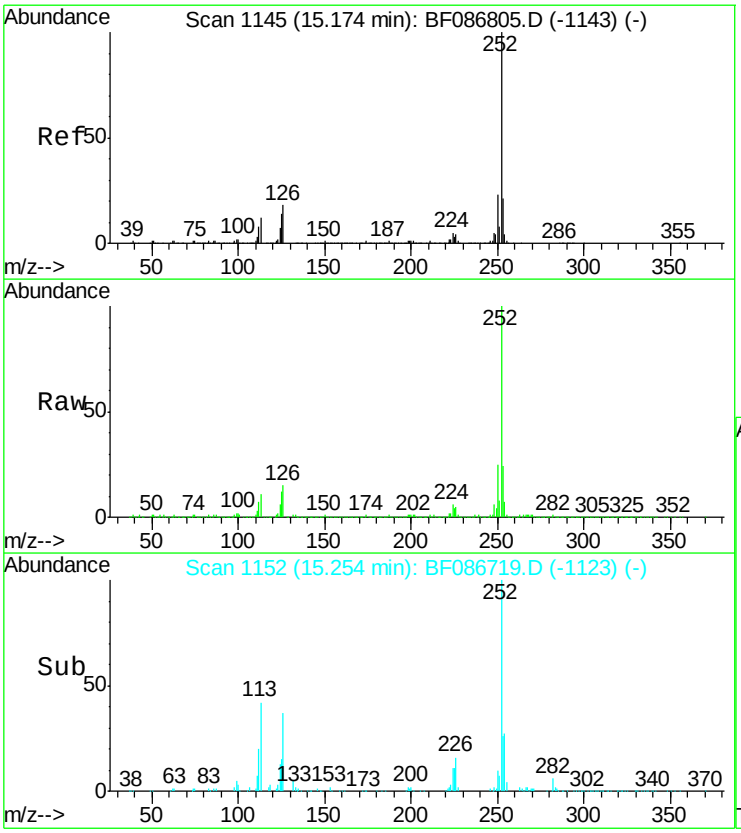
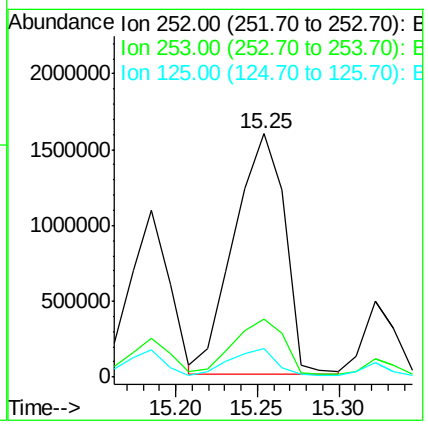
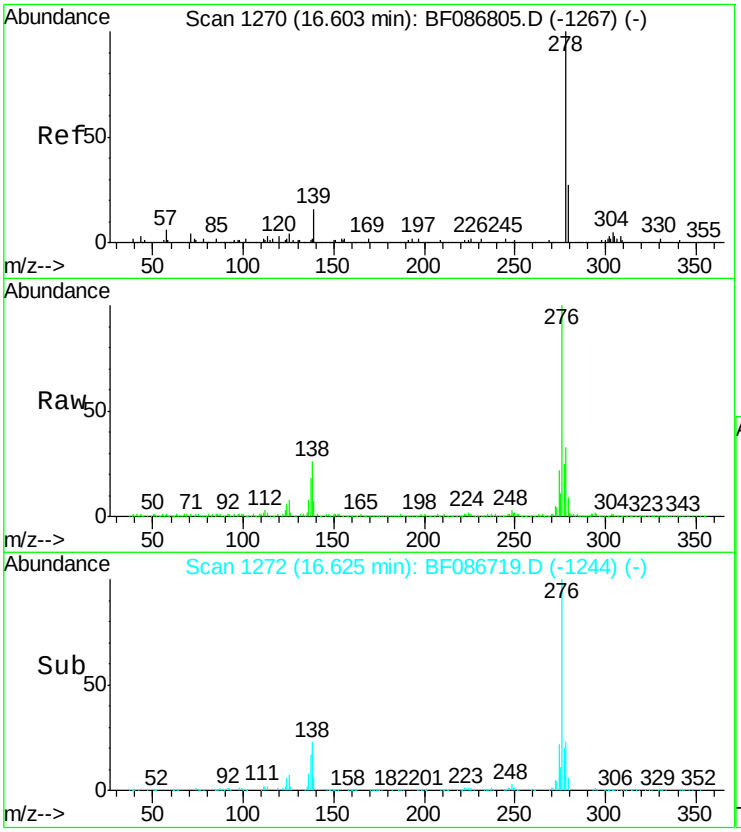


#89
Benzo(a)pyrene
Concen: 159.01 ng
RT: 15.25 min Scan# 1152
Delta R.T. 0.03 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:252 Resp: 3420579

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	11.9	9.0	13.6

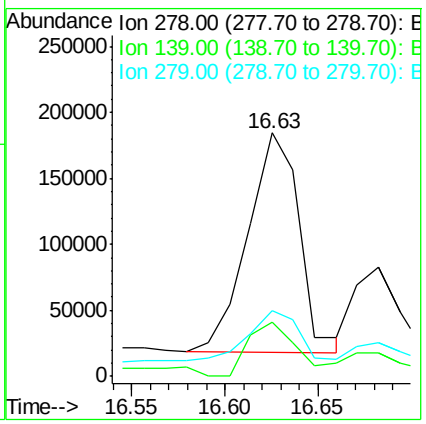




#90
Dibenzo(a,h)anthracene
Concen: 15.50 ng
RT: 16.63 min Scan# 1272
Delta R.T. 0.02 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:278 Resp: 320357

Ion	Ratio	Lower	Upper
278	100		
139	22.2	16.6	24.8
279	27.2	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
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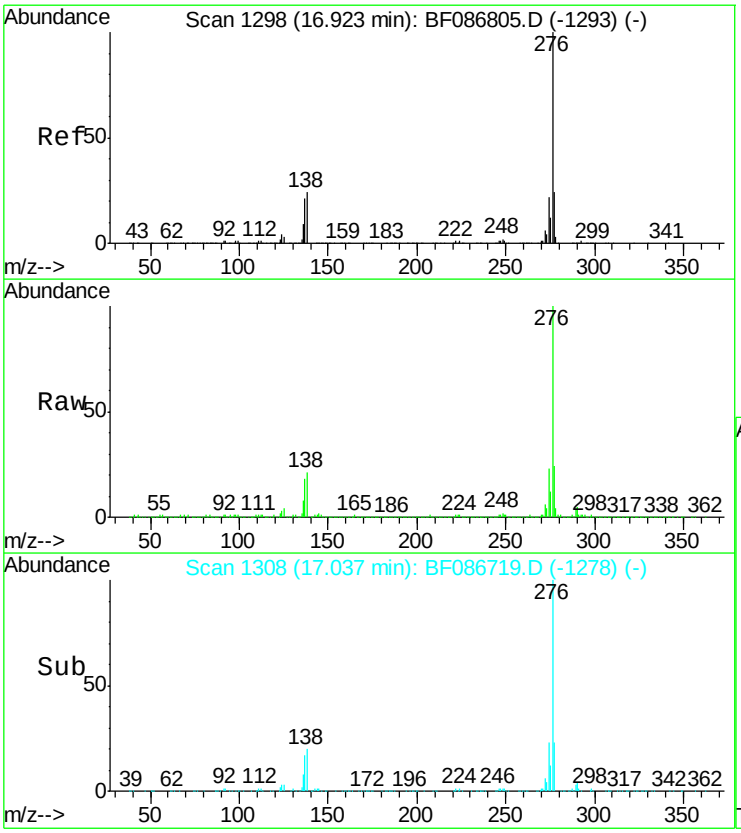

#91
Benzo(g,h,i)perylene
Concen: 68.06 ng m
RT: 17.04 min Scan# 1308
Delta R.T. 0.05 min
Lab File: BF086719.D
Acq: 5 May 2016 21:45

Tgt Ion:276 Resp: 1476552

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	20.9	23.6	35.4#