Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096460.D
Acq On : 4 Jul 2017 1:24
Operator : SJ/MA
Sample : I3998-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q5-NSW

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Quant Time: Jul 04 03:57:24 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	85697	20.00	ng		0.00
21) Naphthalene-d8	8.02	136	212475	20.00	ng		0.00
38) Acenaphthene-d10	9.79	164	56914	20.00	ng		0.02
63) Phenanthrene-d10	11.27	188	114943	20.00	ng		0.02
75) Chrysene-d12	13.90	240	120394	20.00	ng		0.02
86) Perylene-d12	15.30	264	105728	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	472132	81.32	ng		0.00
7) Phenol-d6	6.36	99	597923	83.77	ng		-0.01
23) Nitrobenzene-d5	7.29	82	295445	83.56	ng		-0.02
41) 2,4,6-Tribromophenol	10.57	330	46876	105.44	ng		0.02
44) 2-Fluorobiphenyl	9.10	172	276501	83.06	ng		0.00
78) Terphenyl-d14	12.85	244	252110	44.75	ng		0.02
Target Compounds							Qvalue
10) Phenol	6.37	94	30263	3.722	ng		95
51) Acenaphthene	9.82	154	29197	8.226	ng	#	85
70) Phenanthrene	11.29	178	40867m	6.577	ng		
71) Anthracene	11.35	178	70312	11.105	ng	#	86
74) Fluoranthene	12.49	202	566094	92.924	ng		99
77) Pyrene	12.72	202	564815	58.447	ng		98
80) Benzo(a)anthracene	13.89	228	204106	29.276	ng		95
82) Chrysene	13.92	228	175353	24.018	ng		96
85) Indeno(1,2,3-cd)pyrene	16.67	276	68055	11.809	ng		98
87) Benzo(b)fluoranthene	14.91	252	180068m	27.181	ng		
88) Benzo(k)fluoranthene	14.93	252	63007m	10.632	ng		
89) Benzo(a)pyrene	15.25	252	125898	21.286	ng	#	85
90) Dibenzo(a,h)anthracene	16.67	278	18209	3.913	ng	#	61
91) Benzo(g,h,i)perylene	17.09	276	58589	12.151	ng	#	95

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

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BNA_F
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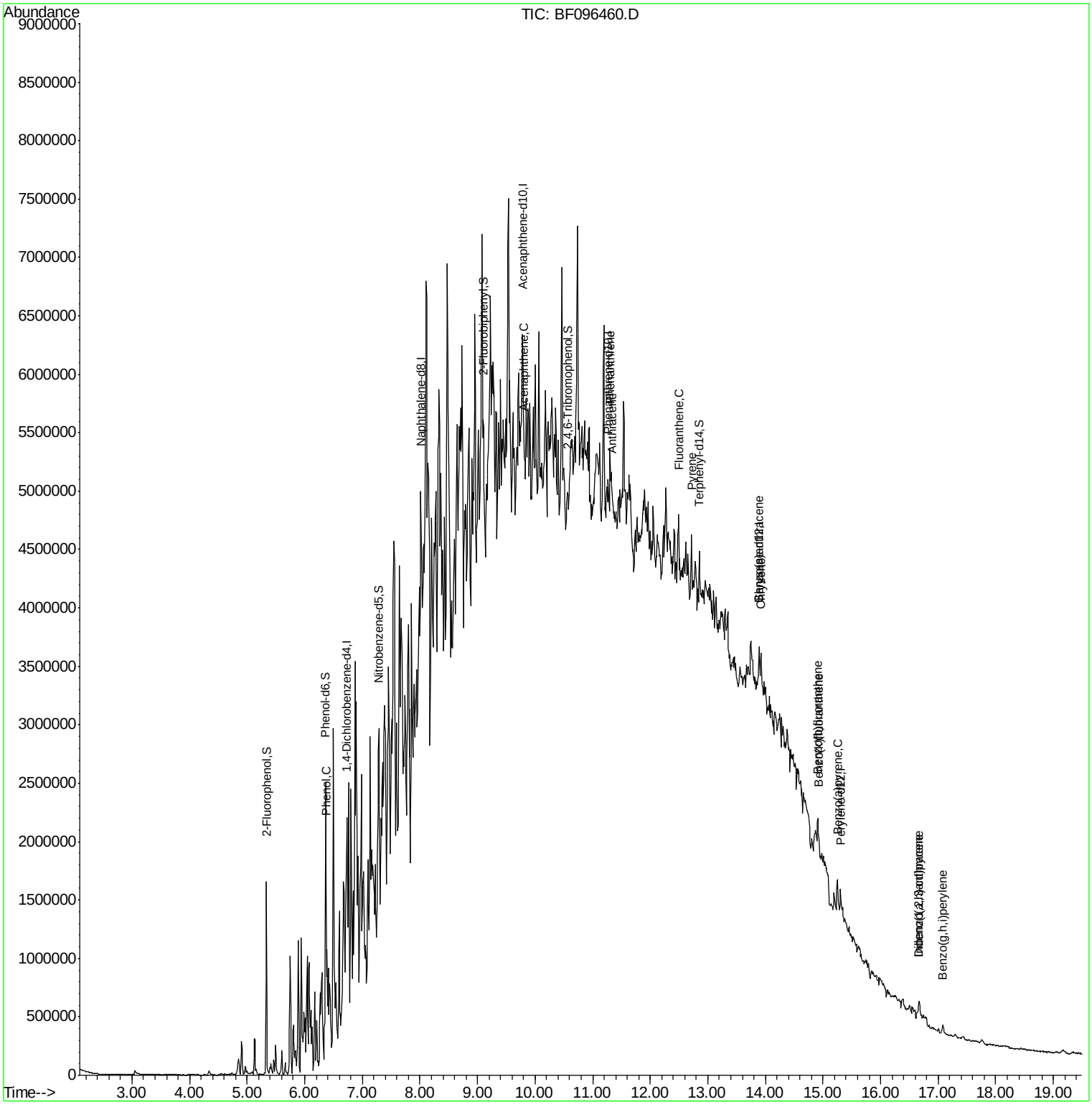
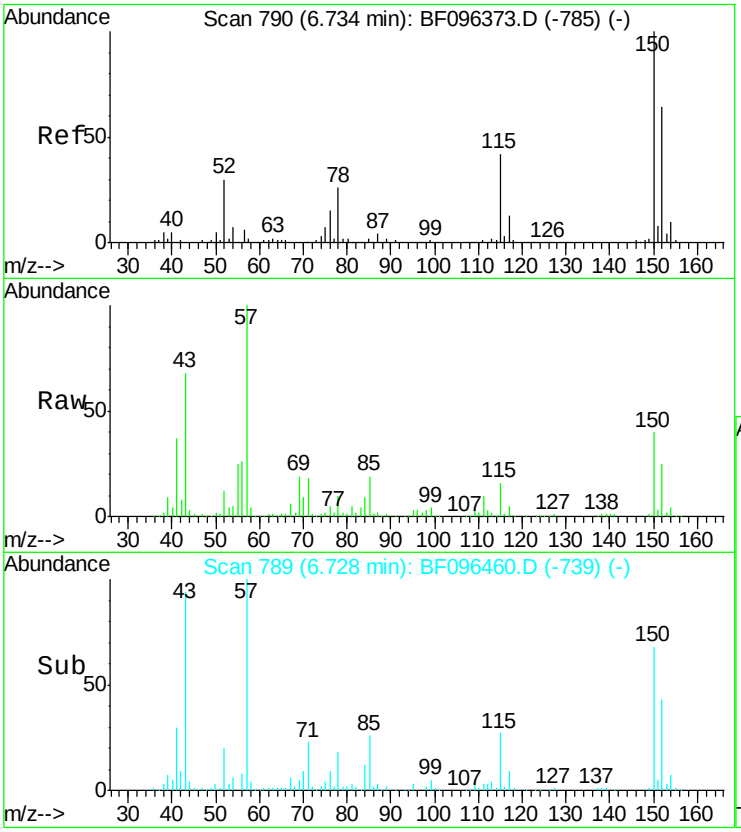
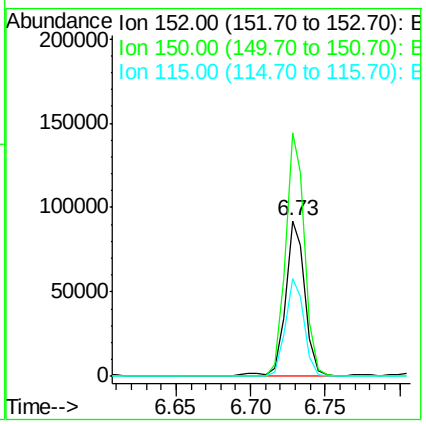




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:152 Resp: 85697

Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	63.2	52.2	78.2



Instrument :
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ClientSampleId :
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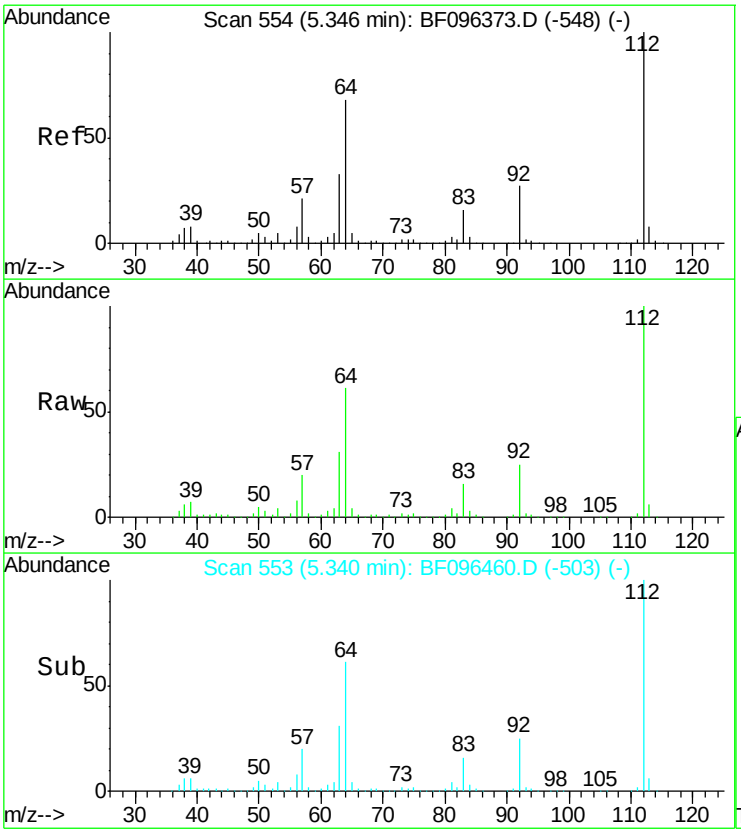
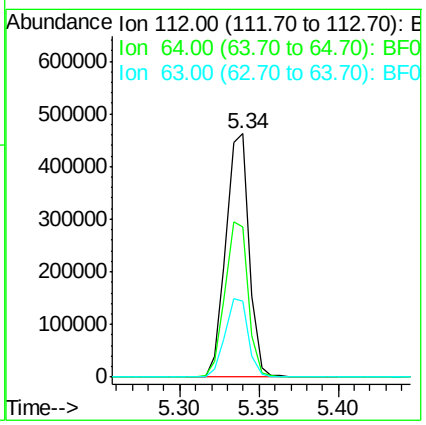
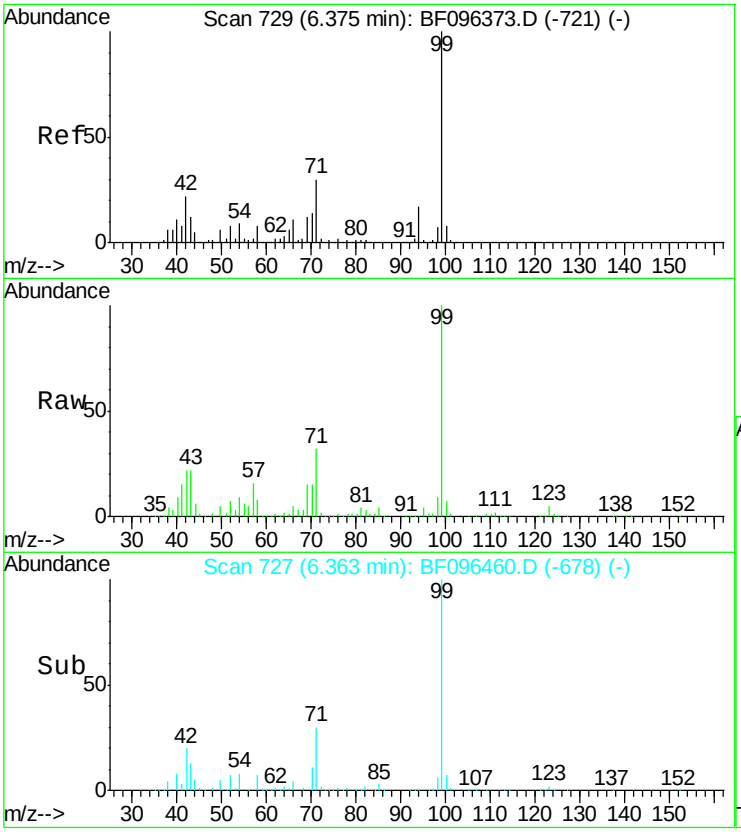


#5
2-Fluorophenol
Concen: 81.316 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:112 Resp: 472132

Ion	Ratio	Lower	Upper
112	100		
64	61.4	46.0	69.0
63	31.1	23.4	35.0

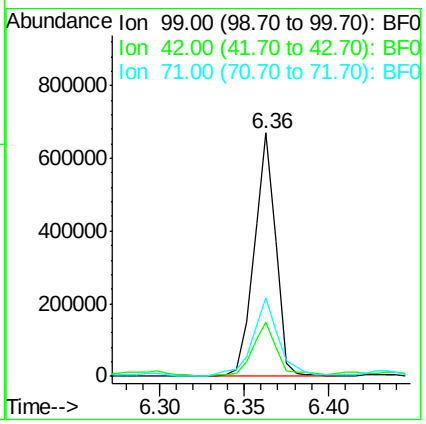




#7
Phenol-d6
Concen: 83.767 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion: 99 Resp: 597923

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	32.2	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSW

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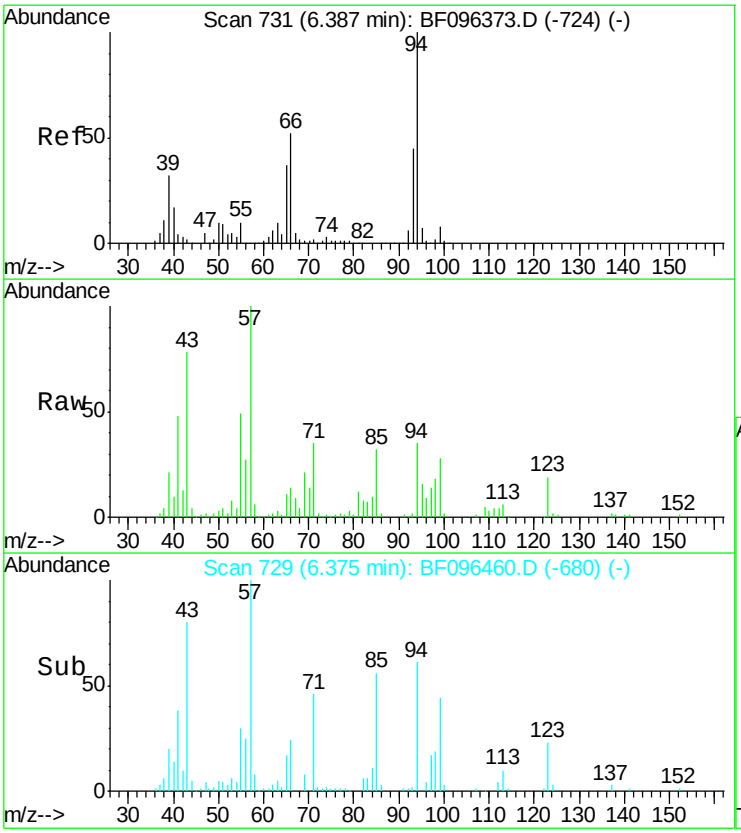
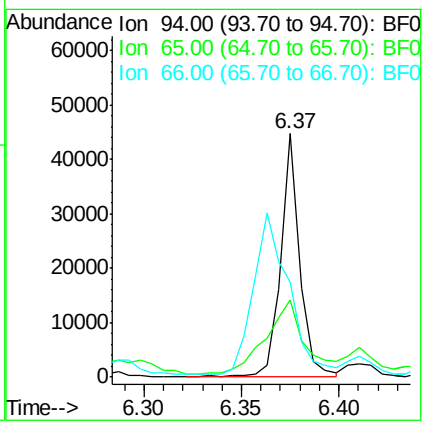
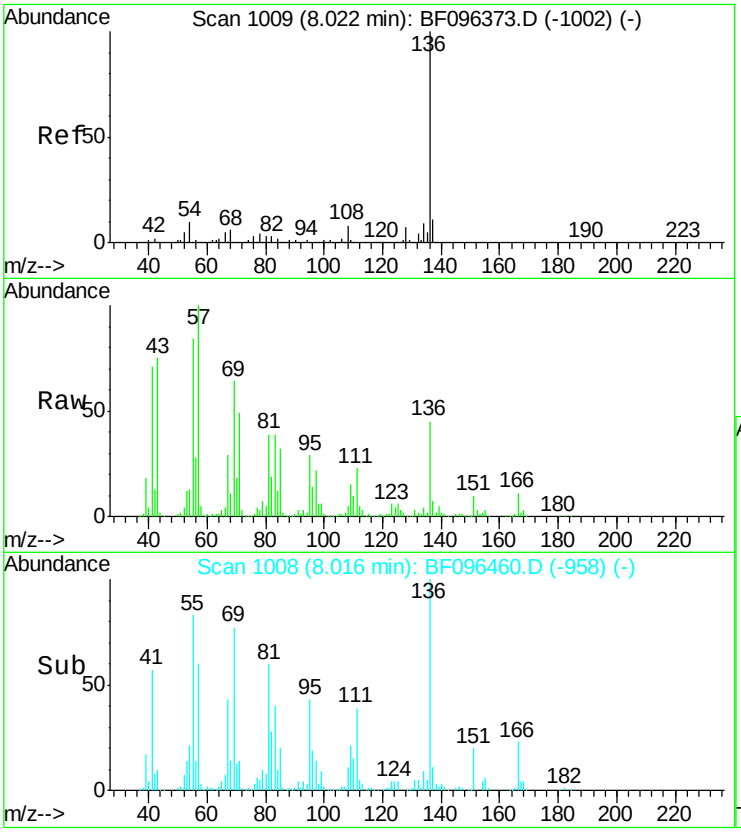


#10
Phenol
Concen: 3.722 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion: 94 Resp: 30263

Ion	Ratio	Lower	Upper
94	100		
65	31.8	9.9	49.9
66	39.1	23.1	63.1

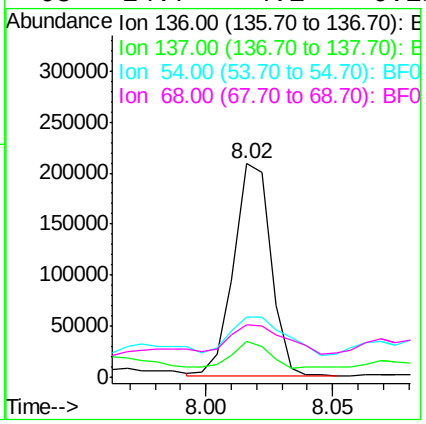




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:136 Resp: 212475

Ion	Ratio	Lower	Upper
136	100		
137	16.5	8.5	12.7#
54	28.2	4.9	7.3#
68	24.7	4.1	6.1#



Instrument :
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ClientSampleId :
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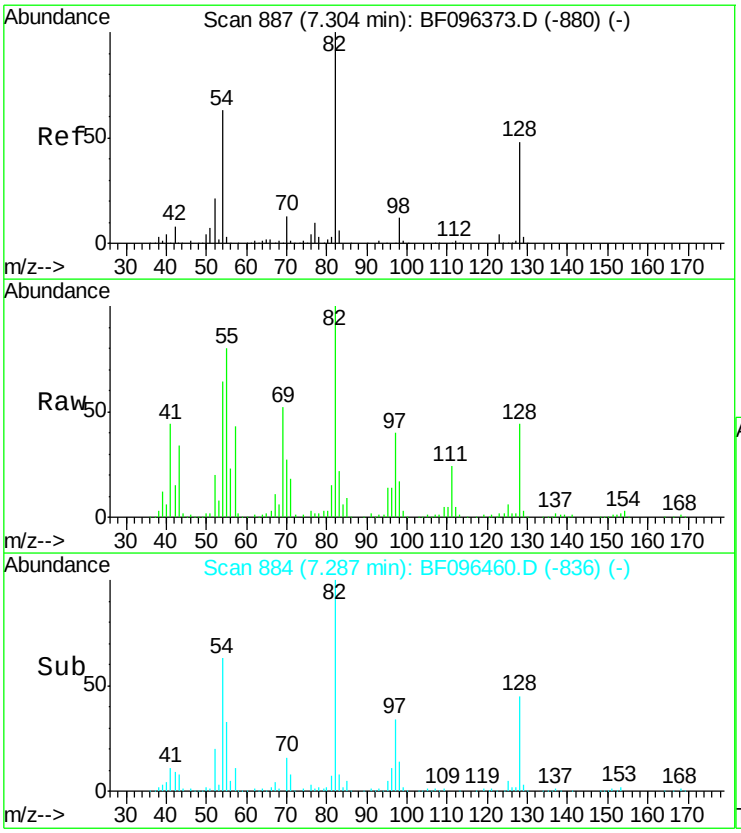
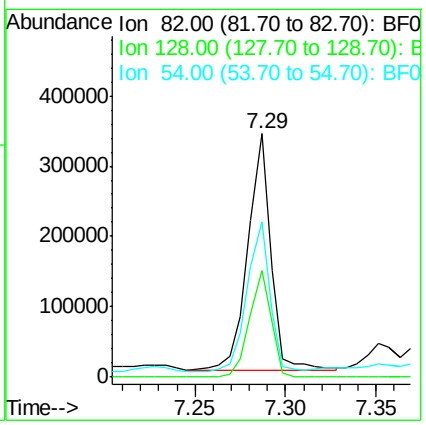
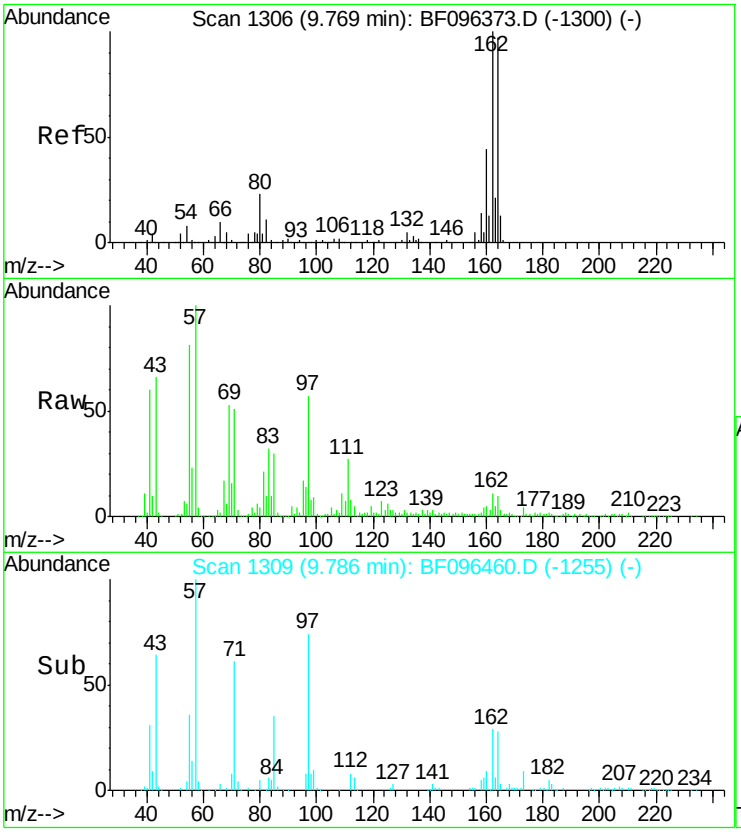


#23
Nitrobenzene-d5
Concen: 83.556 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion: 82 Resp: 295445

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.0	51.0
54	63.8	42.2	63.2#

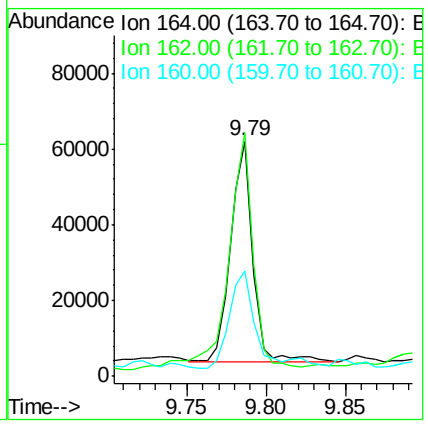




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:164 Resp: 56914

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	44.9	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
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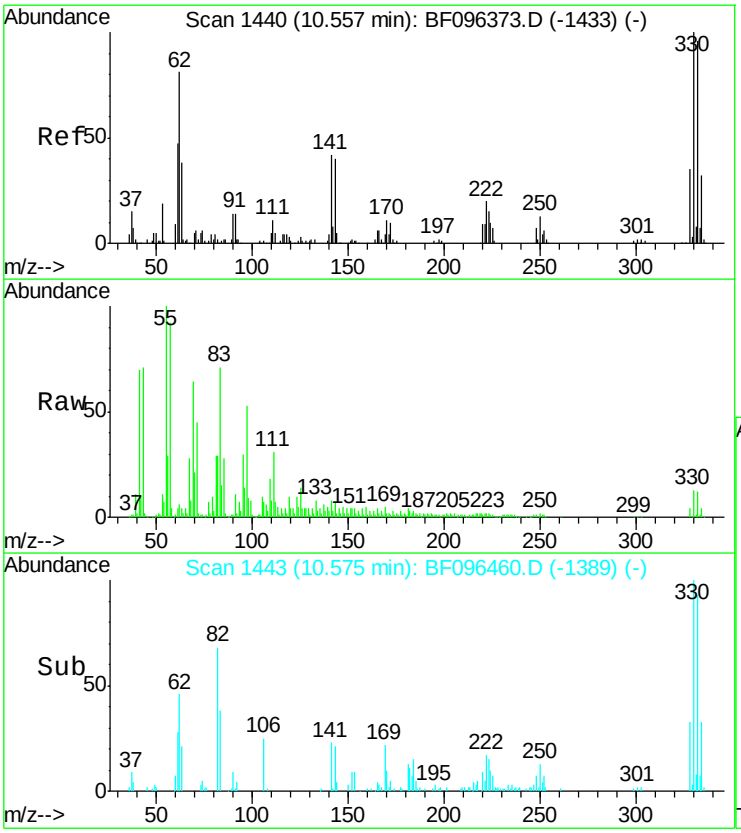
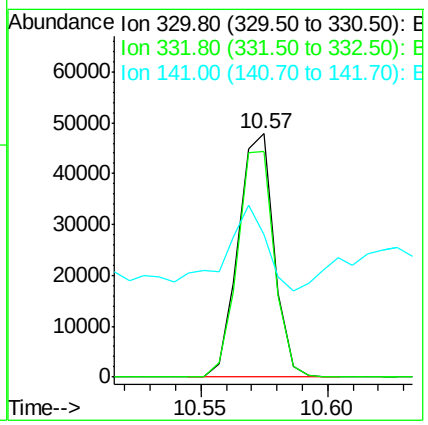
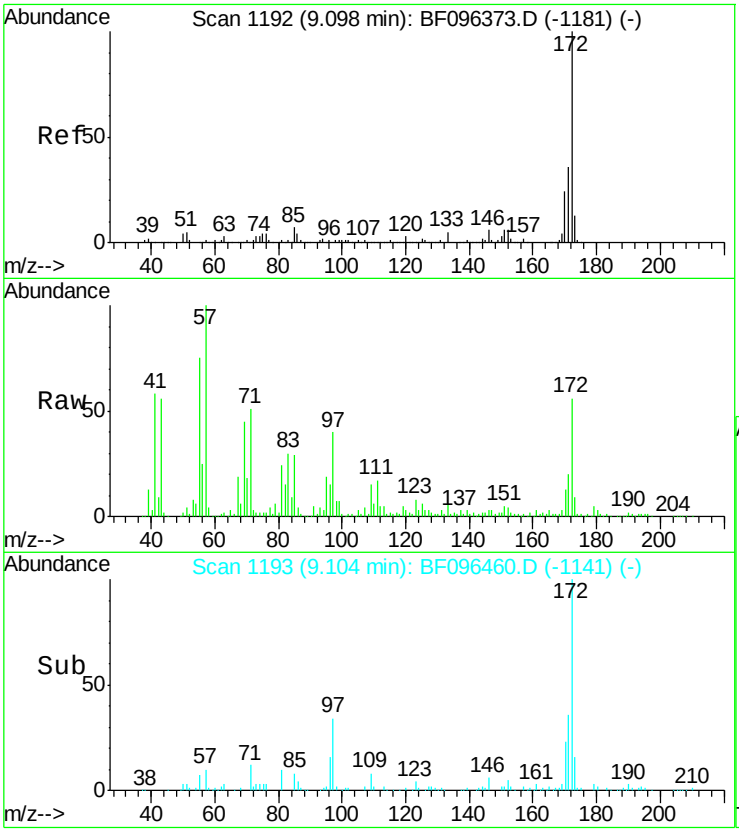


#41
2,4,6-Tribromophenol
Concen: 105.442 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:330 Resp: 46876

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	39.9	31.4	47.2

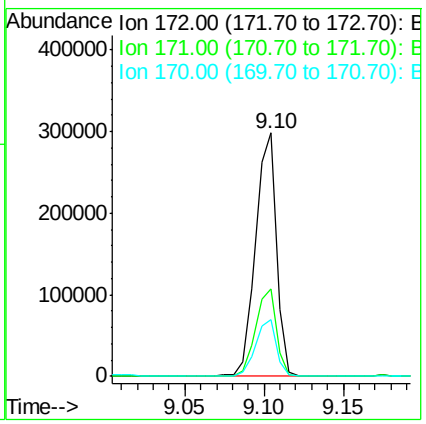




#44
2-Fluorobiphenyl
Concen: 83.065 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:172 Resp: 276501

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.5	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
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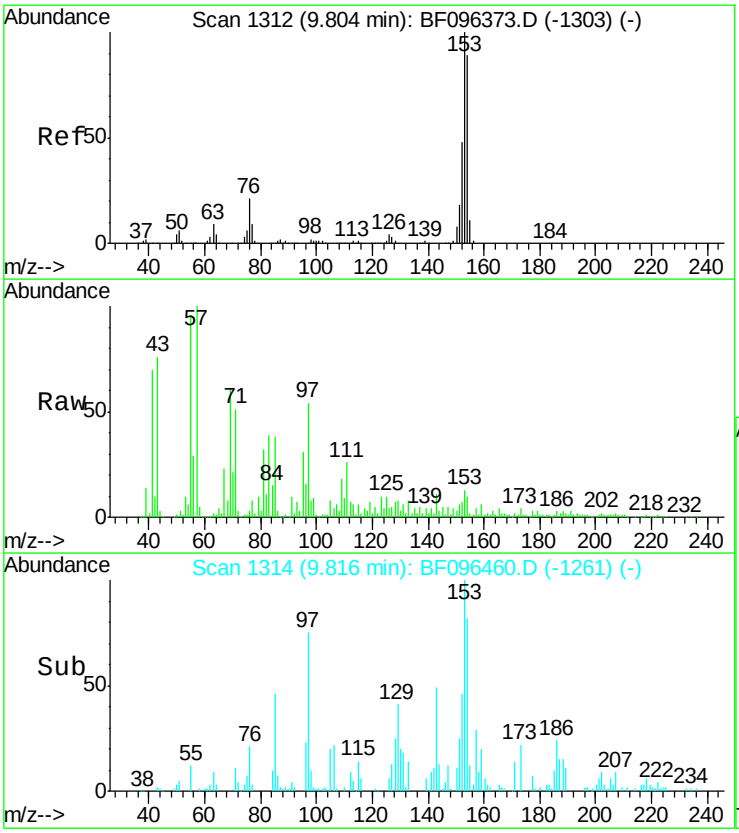
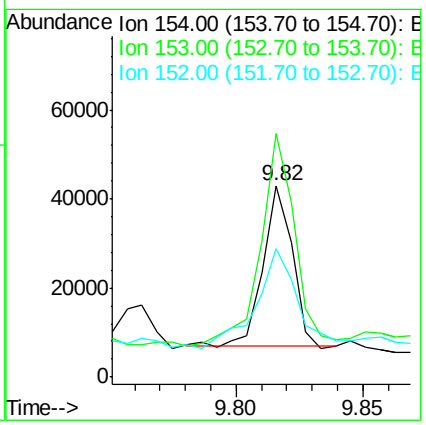
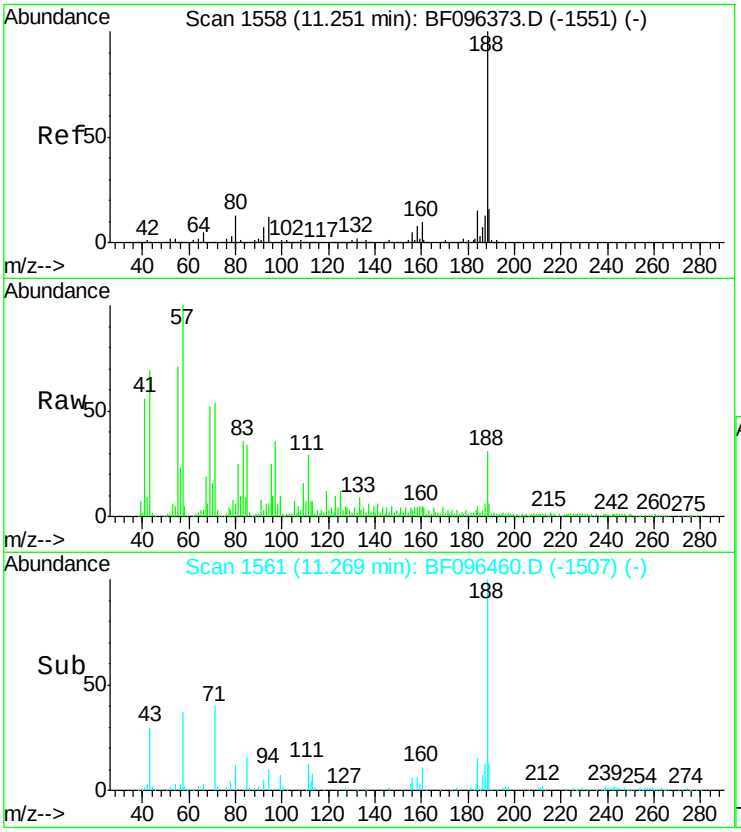


#51
Acenaphthene
Concen: 8.226 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:154 Resp: 29197

Ion	Ratio	Lower	Upper
154	100		
153	127.2	90.5	135.7
152	67.2	43.6	65.4#





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:188 Resp: 114943

Ion	Ratio	Lower	Upper
188	100		
94	20.0	9.4	14.2#
80	20.6	10.2	15.2#

Instrument :
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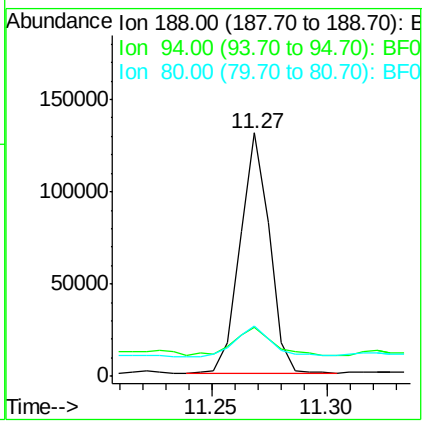
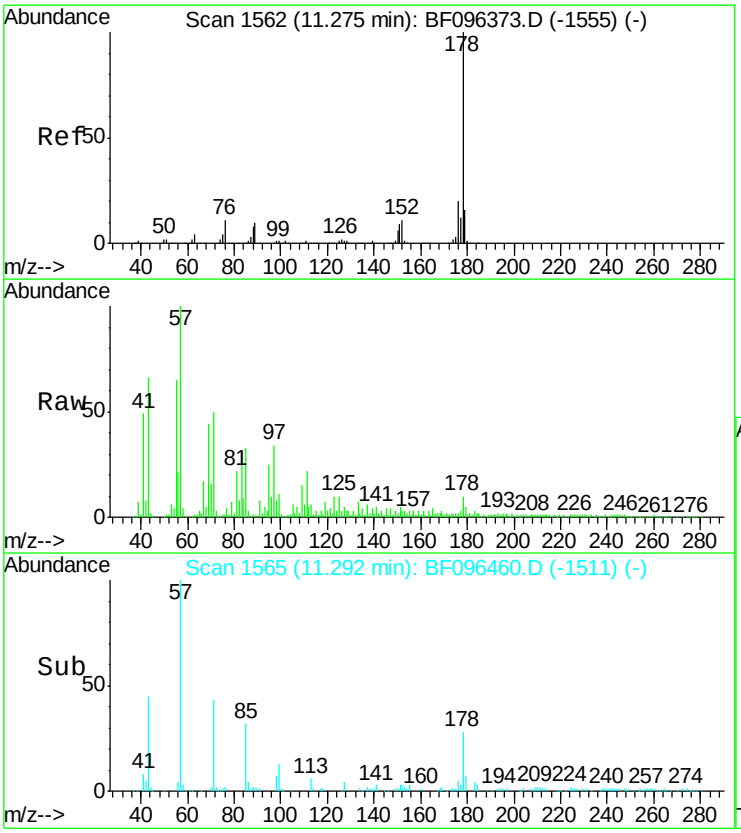
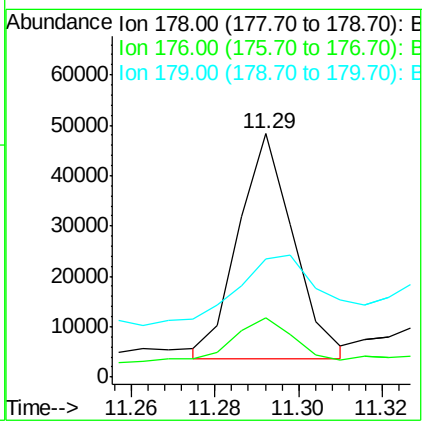


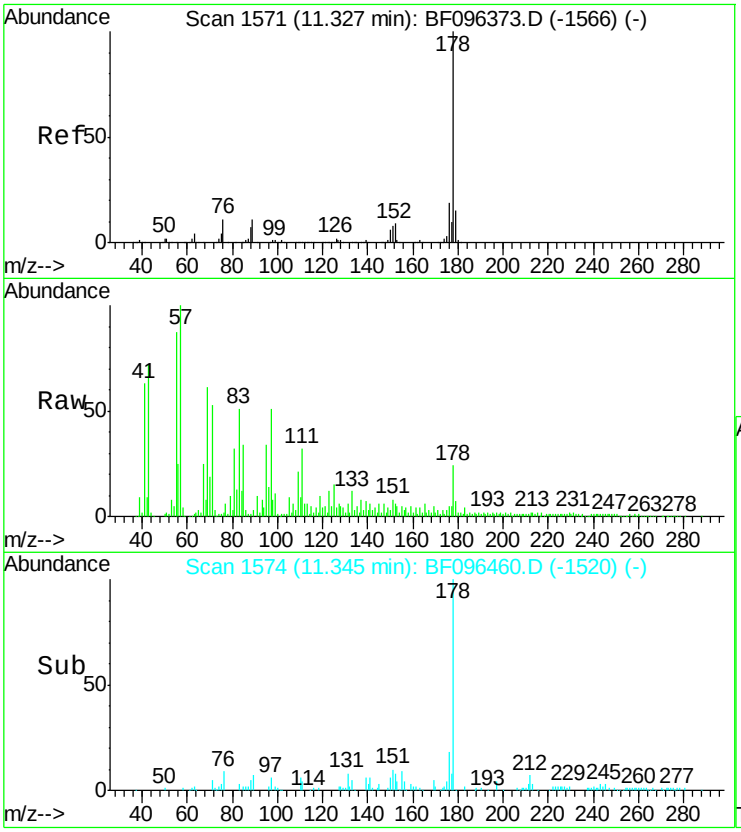


#70
Phenanthrene
Concen: 6.577 ng m
RT: 11.29 min Scan# 1565
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:178 Resp: 40867

Ion	Ratio	Lower	Upper
178	100		
176	24.1	16.2	24.4
179	48.6	12.6	19.0#





#71
Anthracene
Concen: 11.105 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:178 Resp: 70312

Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.8	23.8
179	27.4	12.7	19.1#

Instrument :
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ClientSampleId :
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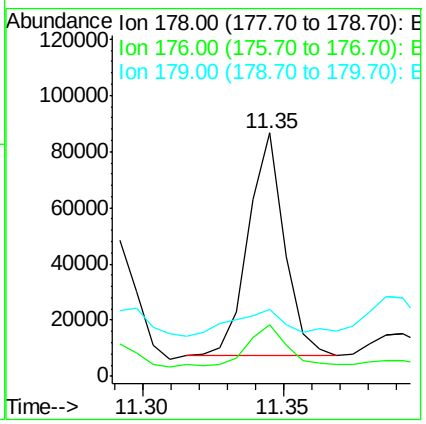
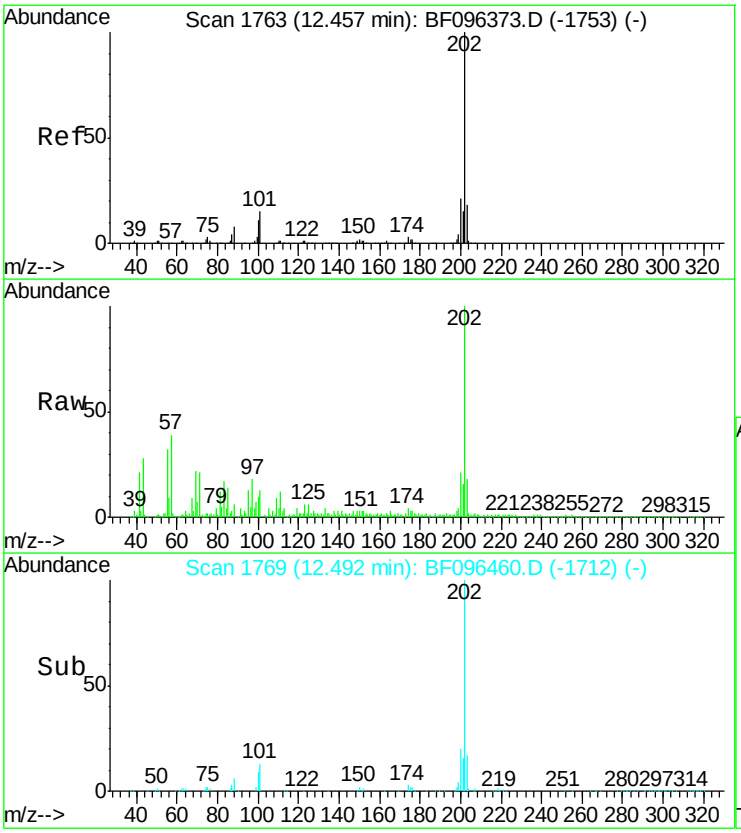
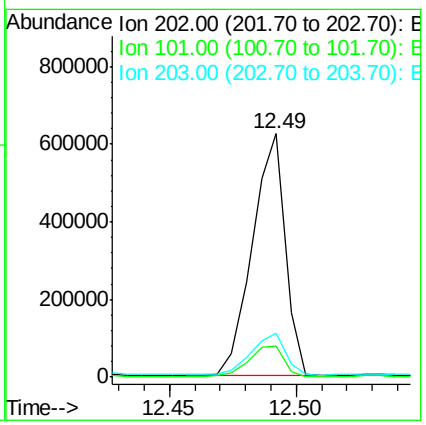


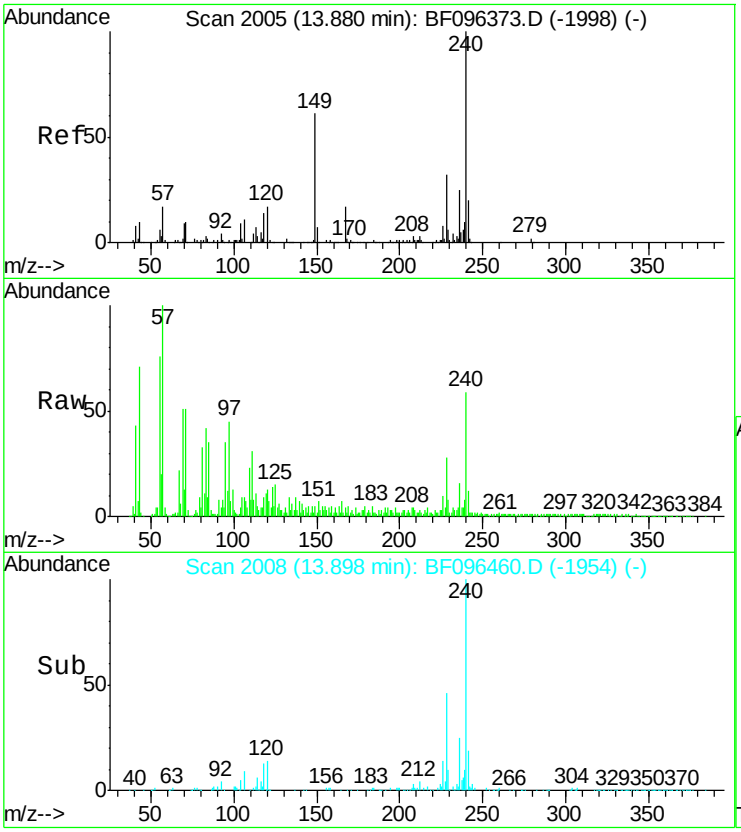


#74
Fluoranthene
Concen: 92.924 ng
RT: 12.49 min Scan# 1769
Delta R.T. 0.04 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:202 Resp: 566094

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.2	0.0	38.1

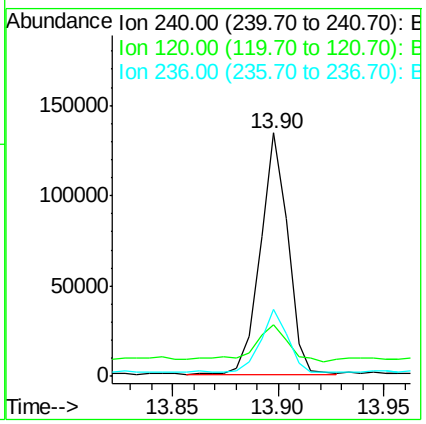




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:240 Resp: 120394

Ion	Ratio	Lower	Upper
240	100		
120	21.5	5.8	8.8#
236	27.3	20.5	30.7



Instrument :
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ClientSampleId :
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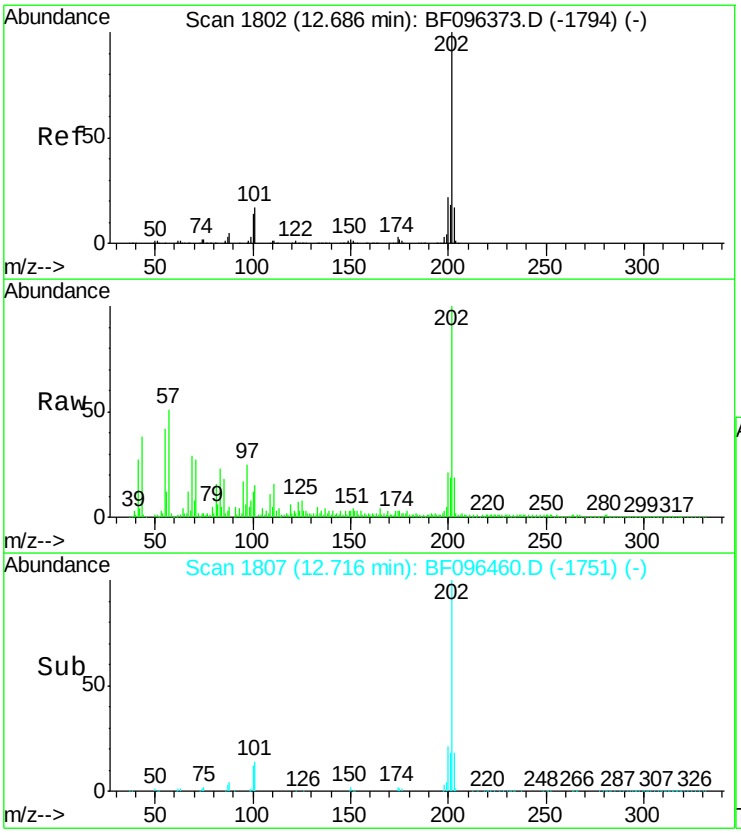
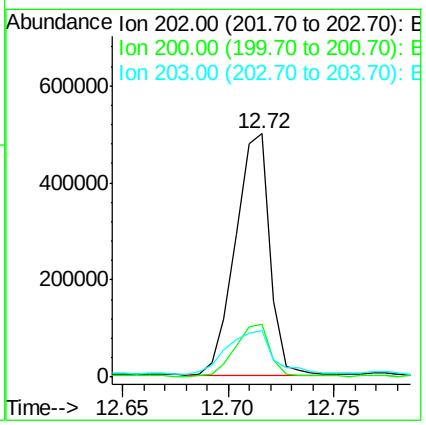
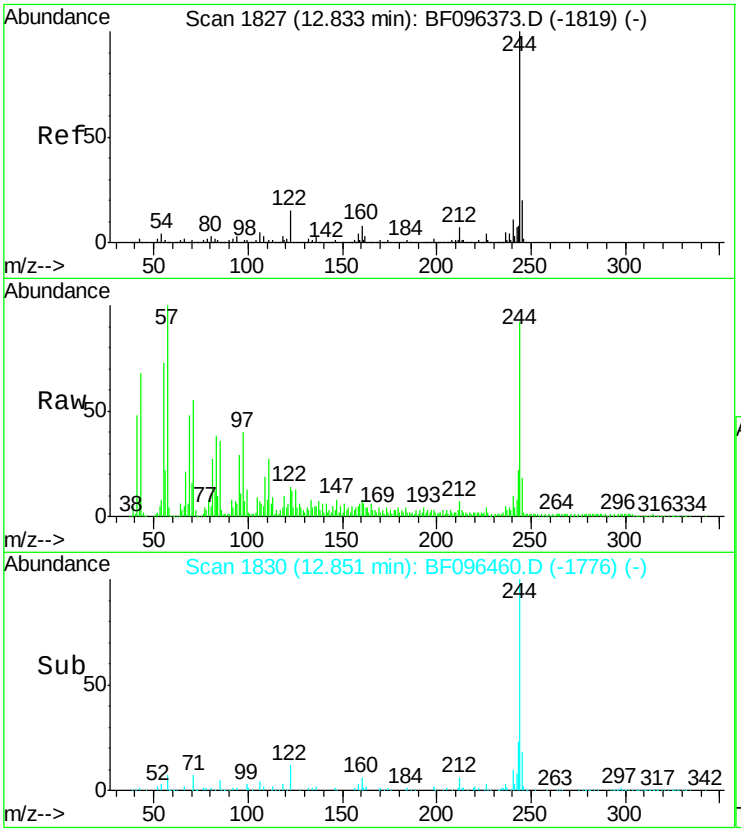


#77
Pyrene
Concen: 58.447 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.03 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:202 Resp: 564815

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.1	14.4	21.6

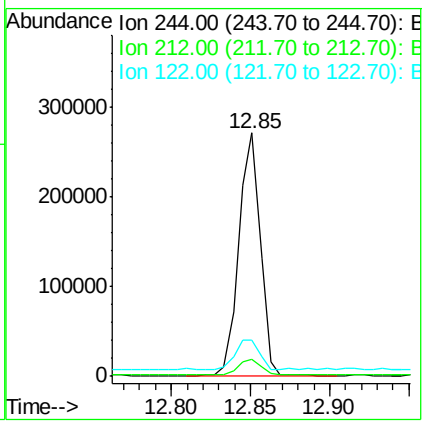




#78
Terphenyl-d14
Concen: 44.746 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:244 Resp: 252110

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.1	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSW

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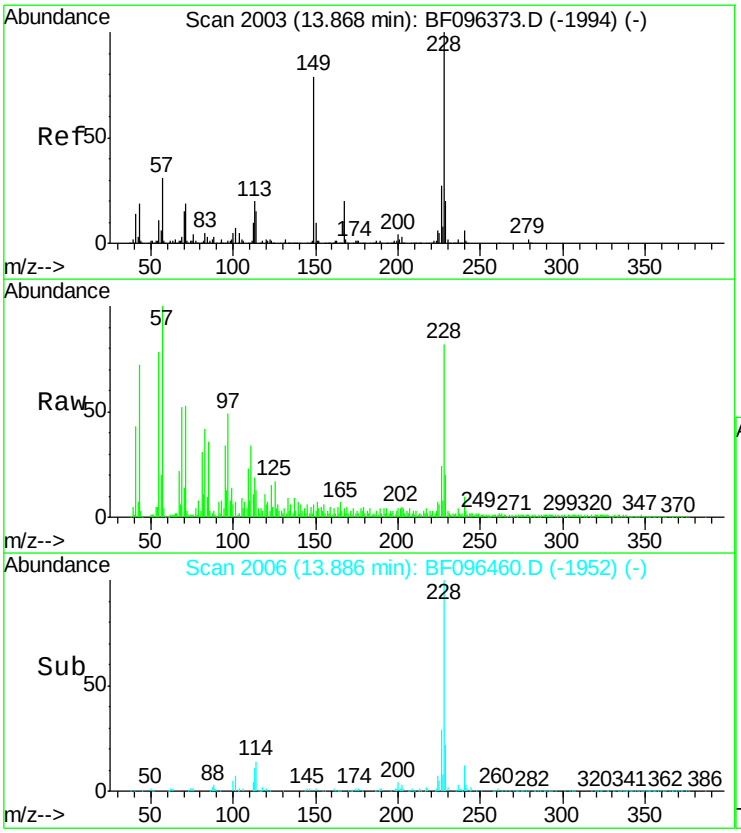
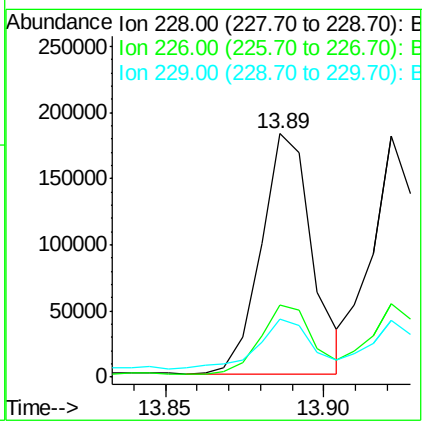
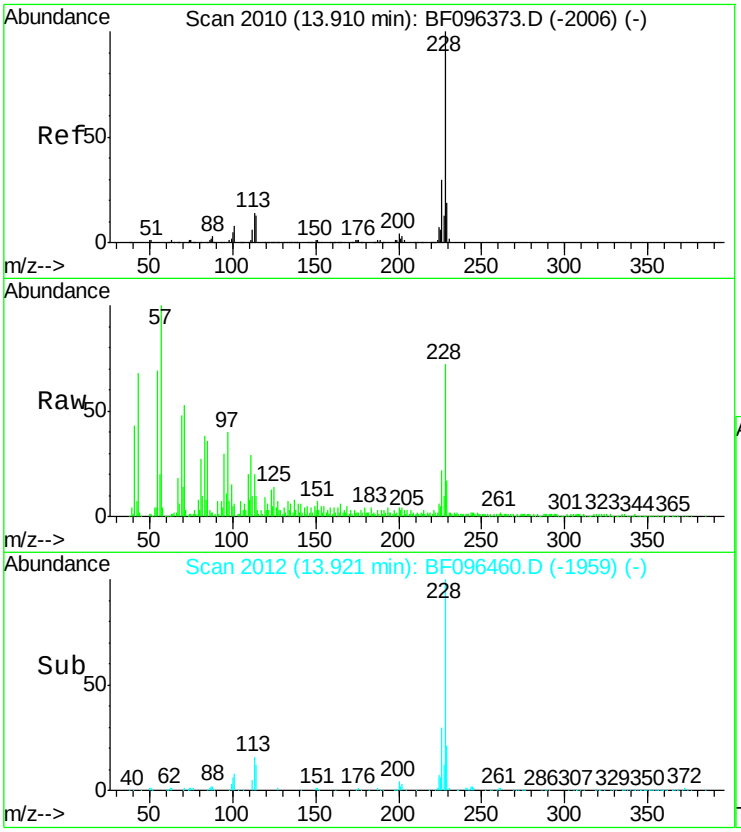


#80
Benzo(a)anthracene
Concen: 29.276 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:228 Resp: 204106

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	23.9	16.3	24.5

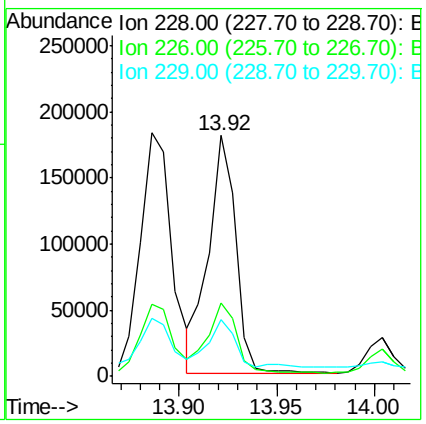




#82
Chrysene
Concen: 24.018 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:228 Resp: 175353

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	23.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSW

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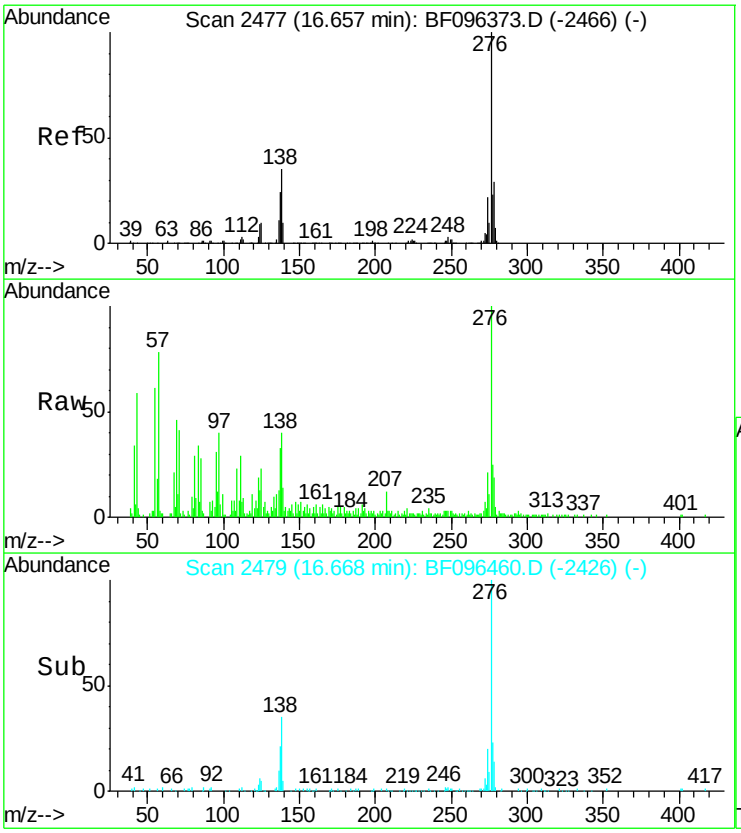
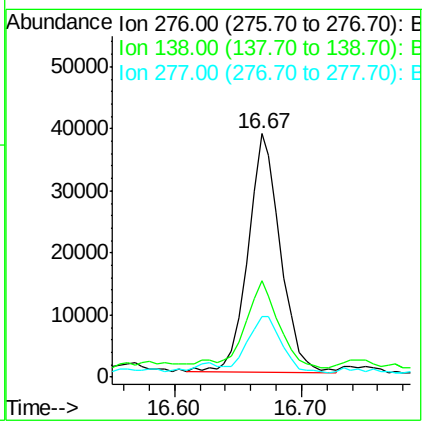
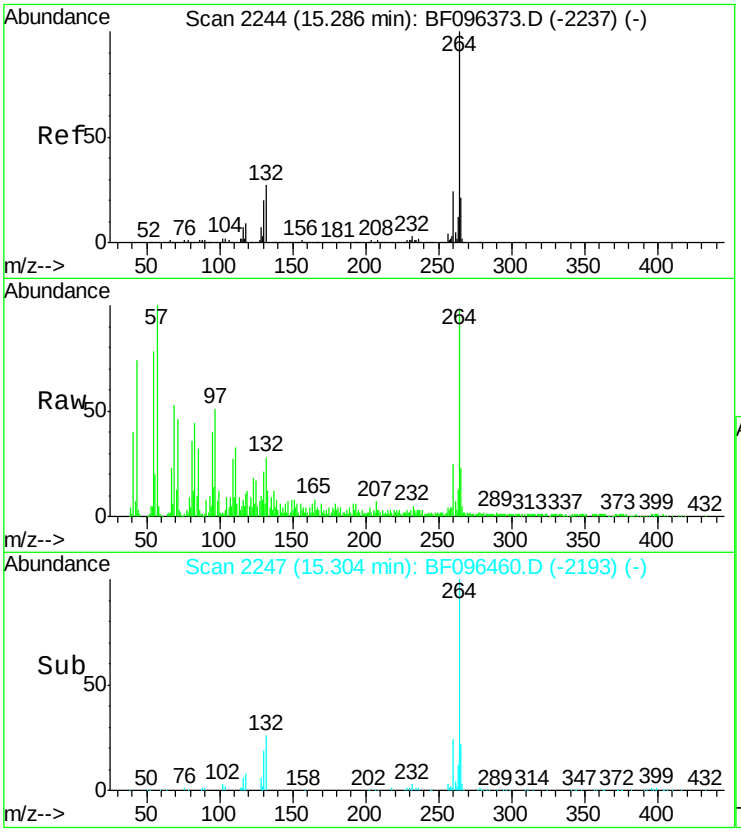


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.809 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:276 Resp: 68055

Ion	Ratio	Lower	Upper
276	100		
138	36.7	27.8	41.6
277	25.5	20.2	30.4

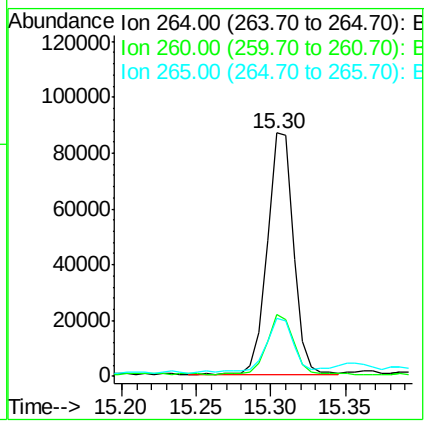




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:264 Resp: 105728

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	23.7	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSW

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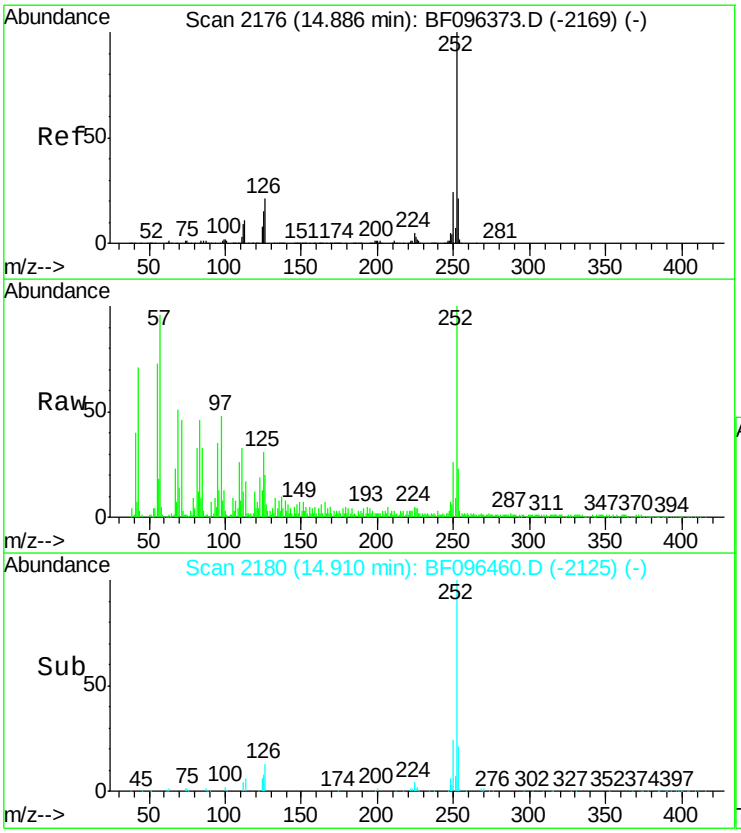
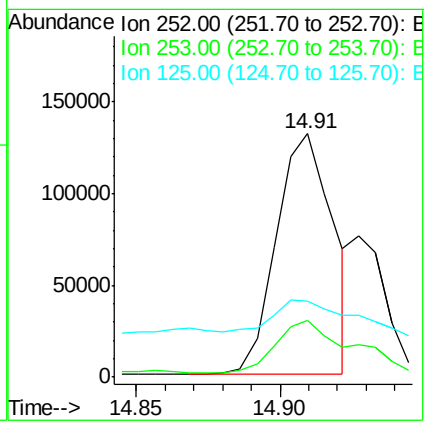
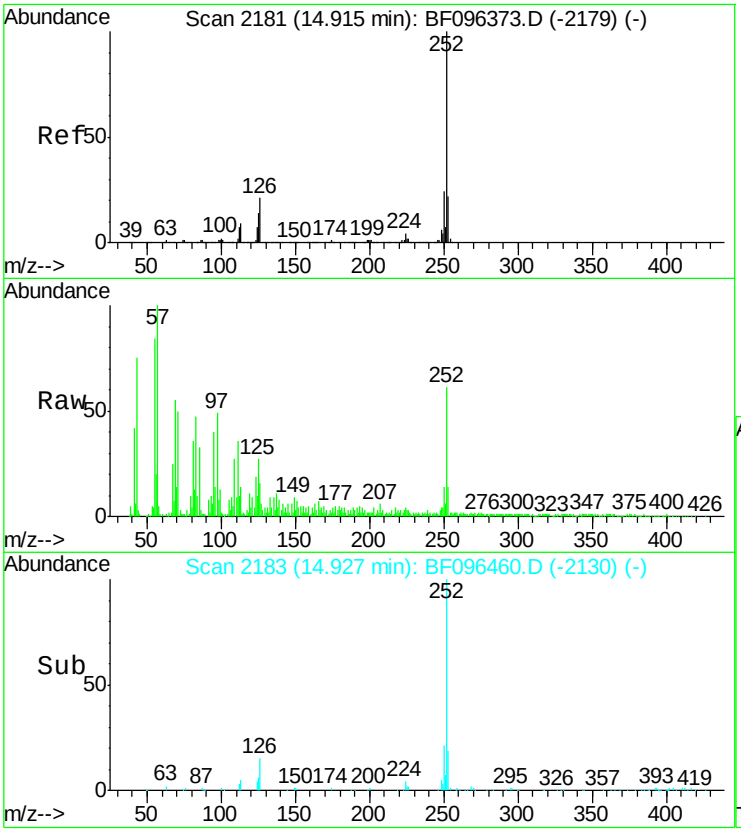


#87
Benzo(b)fluoranthene
Concen: 27.181 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:252 Resp: 180068

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	31.2	9.8	14.8#





#88
Benzo(k)fluoranthene
Concen: 10.632 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:252 Resp: 63007

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	43.3	13.1	19.7#

Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSW

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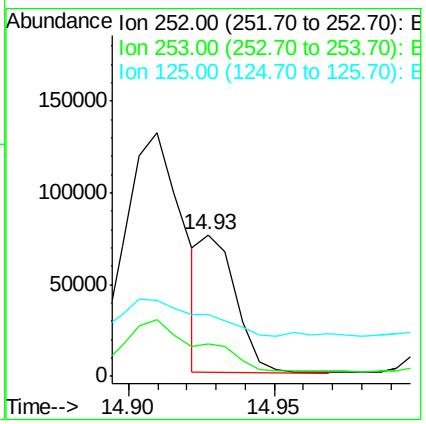
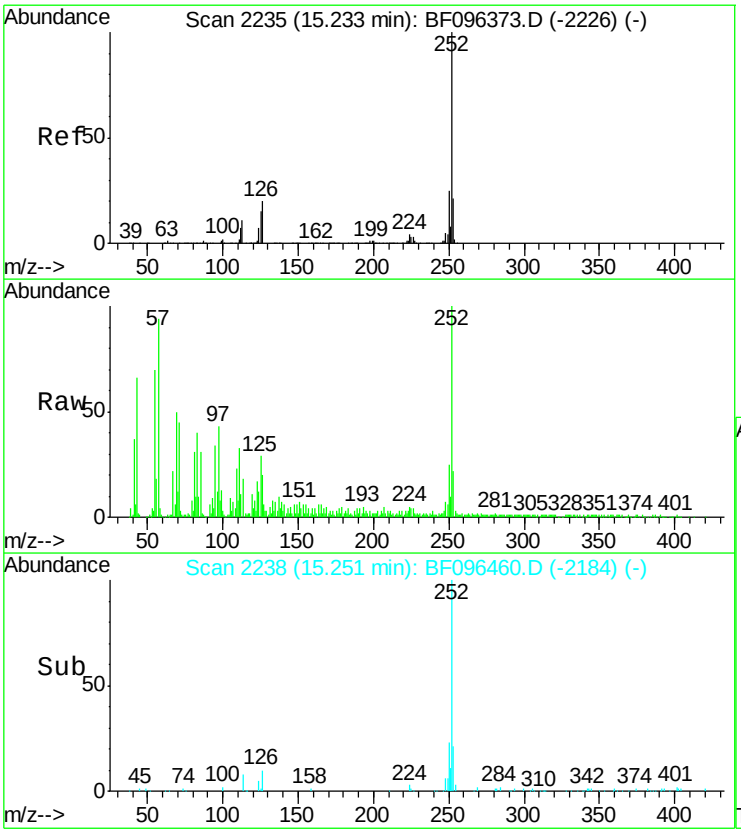
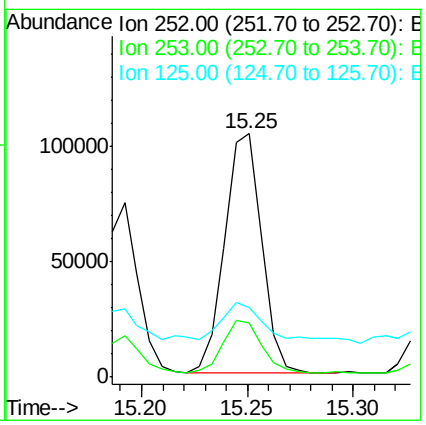


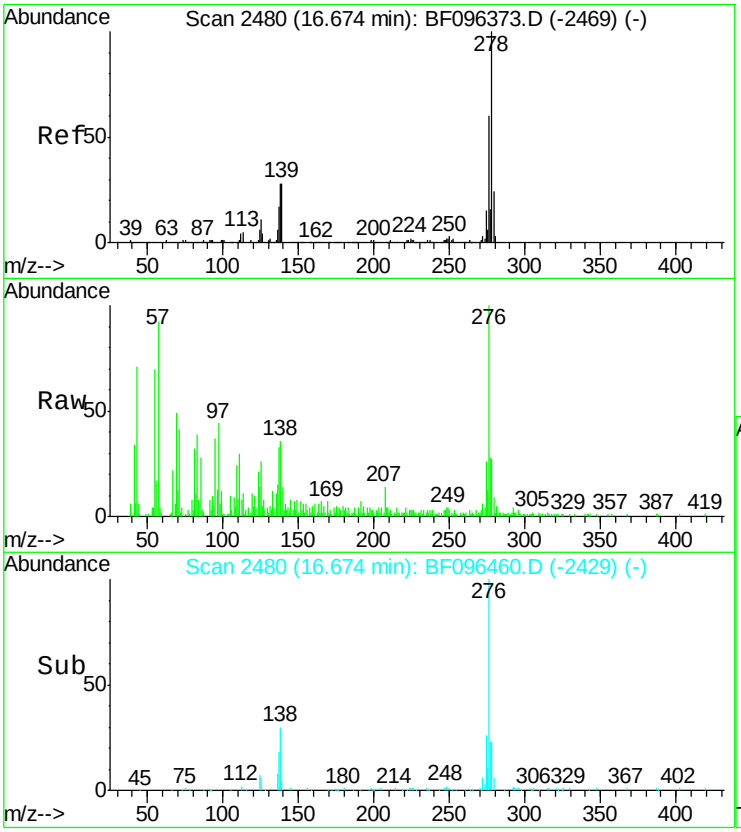


#89
Benzo(a)pyrene
Concen: 21.286 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:252 Resp: 125898

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	28.6	11.0	16.4#





#90
Dibenzo(a,h)anthracene
Concen: 3.913 ng
RT: 16.67 min Scan# 2480
Delta R.T. 0.00 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:278 Resp: 18209

Ion	Ratio	Lower	Upper
278	100		
139	49.6	16.6	24.8#
279	33.8	19.3	28.9#

Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSW

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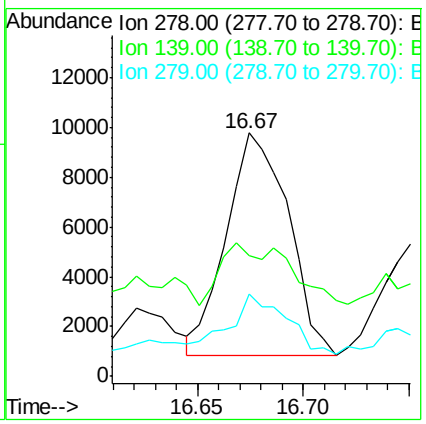
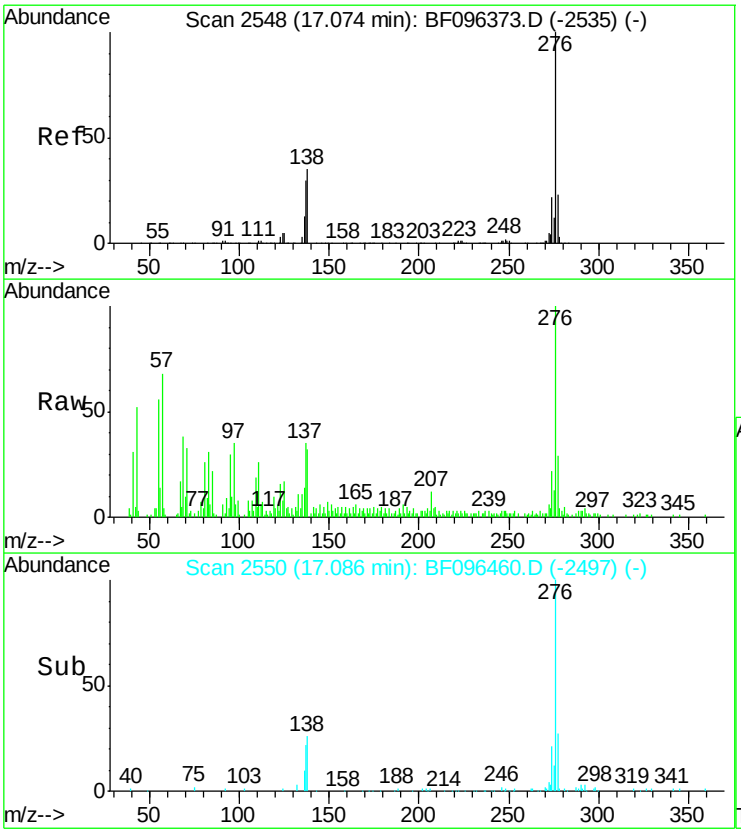
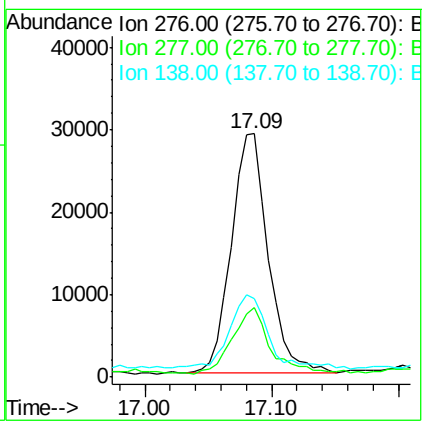




#91
Benzo(g,h,i)perylene
Concen: 12.151 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:276 Resp: 58589

Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.6	28.0#
138	32.5	25.4	38.0