Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-063017

Quant Time: Jul 05 13:46:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 05 13:27:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	112349	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	457142	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	184003	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	265003	20.00	ng	0.00
75) Chrysene-d12	13.86	240	205872	20.00	ng	0.00
86) Perylene-d12	15.27	264	171686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	207516	27.26	ng	0.00
7) Phenol-d6	6.34	99	218326	23.33	ng	-0.02
23) Nitrobenzene-d5	7.27	82	118523	15.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	37219	25.90	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	234608	21.80	ng	-0.01
78) Terphenyl-d14	12.81	244	136852	14.20	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.60	152	49117	2.64	ng	98
49) Dimethylphthalate	9.46	163	34563	2.52	ng	98
57) Fluorene	10.29	166	32274	3.02	ng	98
70) Phenanthrene	11.25	178	294873	20.58	ng	99
71) Anthracene	11.30	178	79697	5.46	ng	95
74) Fluoranthene	12.44	202	347663	24.75	ng	99
77) Pyrene	12.66	202	346448	20.97	ng	99
80) Benzo(a)anthracene	13.85	228	135444m	11.36	ng	
82) Chrysene	13.89	228	134400	10.77	ng	99
85) Indeno(1,2,3-cd)pyrene	16.63	276	46228	4.69	ng	96
87) Benzo(b)fluoranthene	14.87	252	134948m	12.54	ng	
88) Benzo(k)fluoranthene	14.89	252	48506m	5.04	ng	
89) Benzo(a)pyrene	15.21	252	100597	10.47	ng	97
91) Benzo(g,h,i)perylene	17.03	276	53268	6.80	ng	95

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
Data File : BF096476.D
Acq On : 5 Jul 2017 11:41
Operator : SJ/MA
Sample : I4031-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Quant Time: Jul 05 13:46:54 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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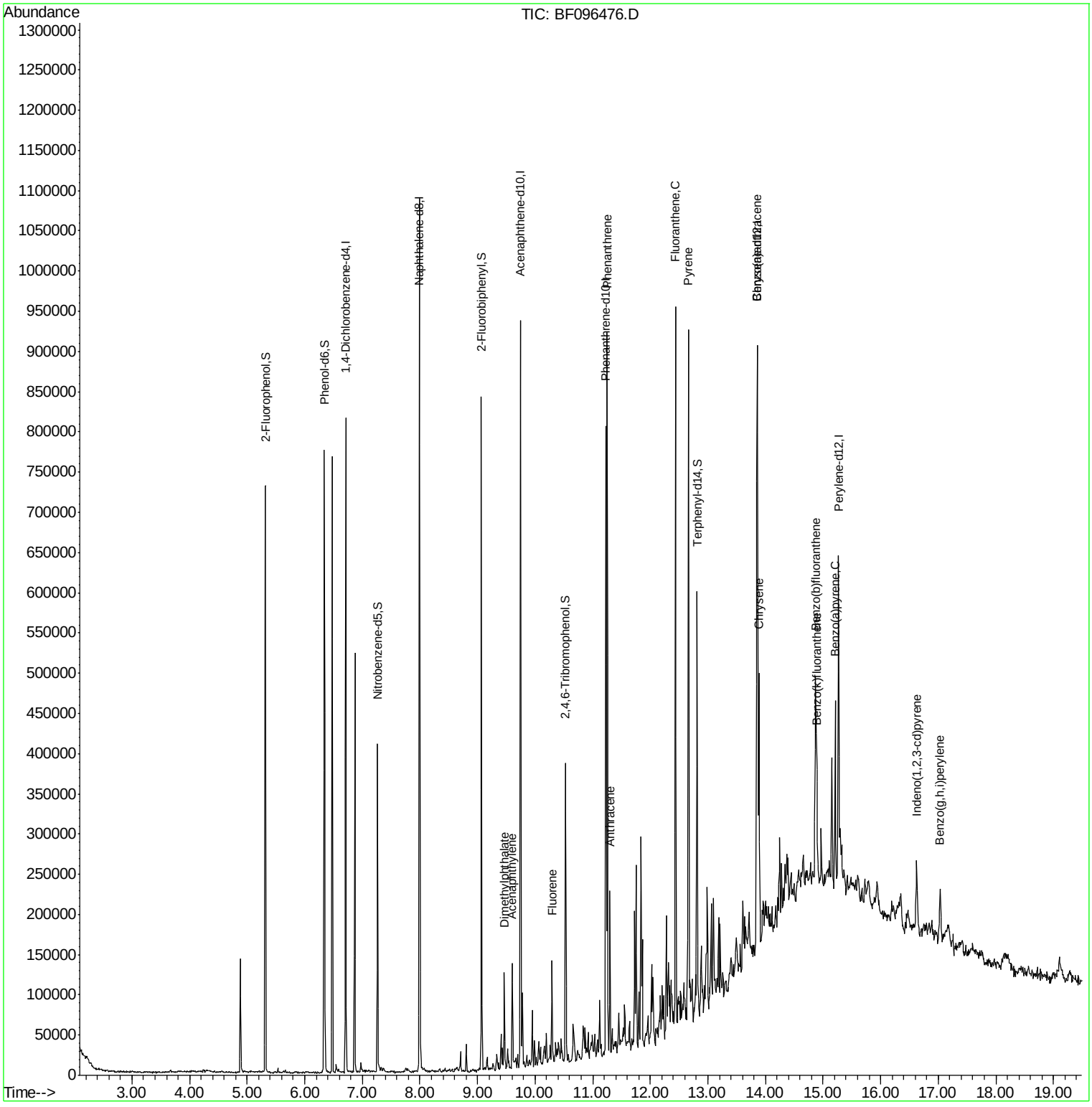
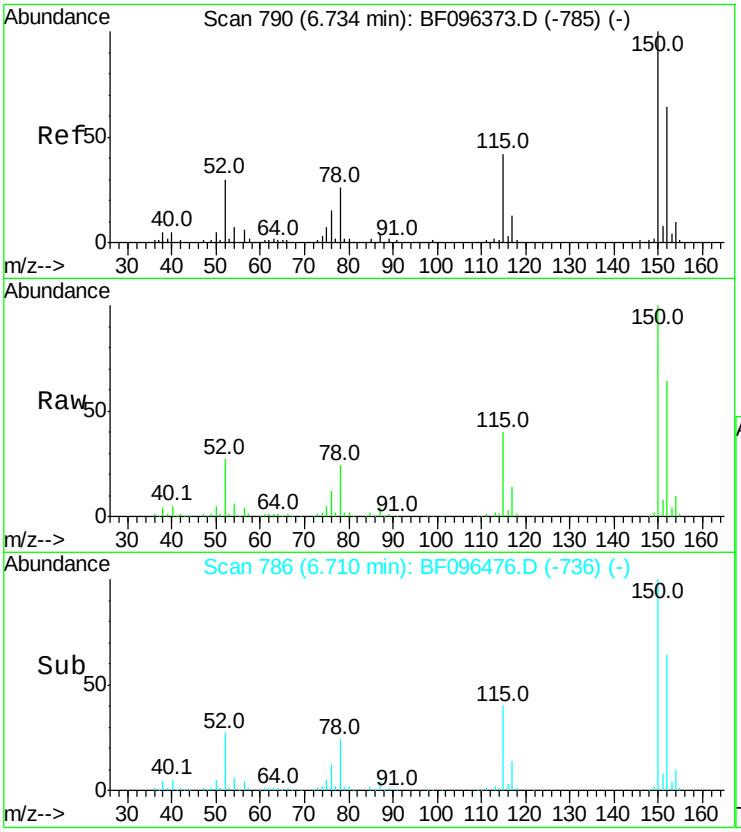


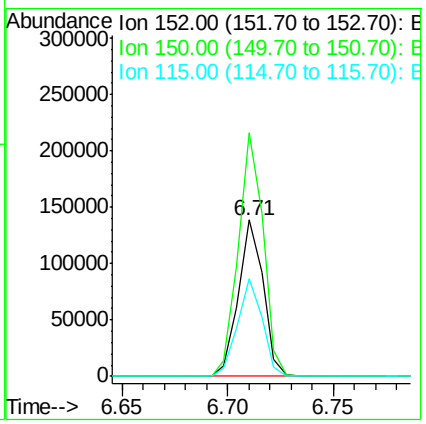


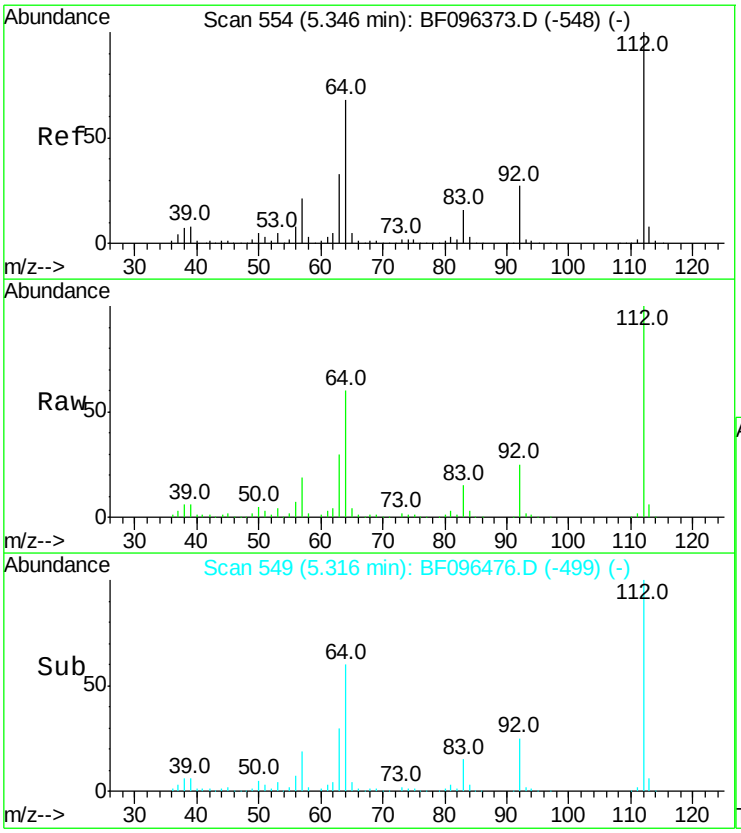
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:152 Resp: 112349

Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	62.9	52.2	78.2

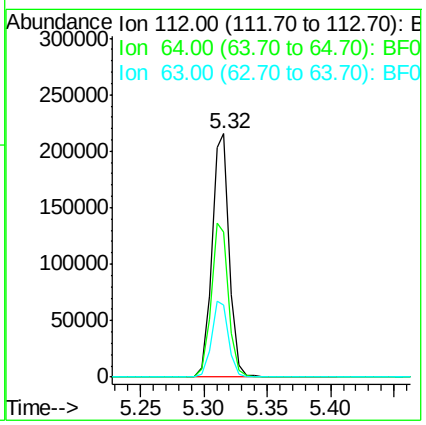


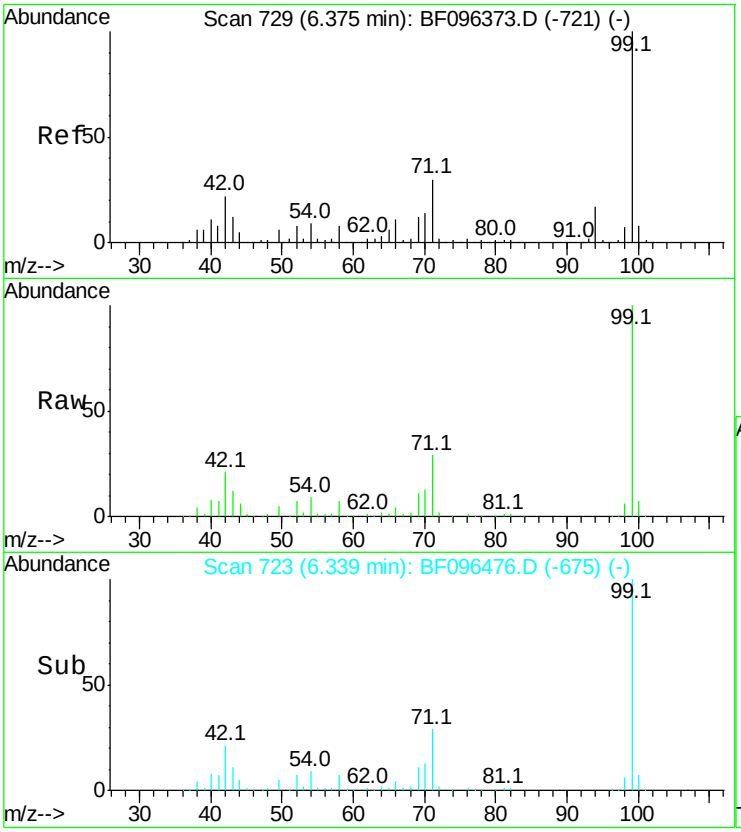


#5
2-Fluorophenol
Concen: 27.26 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:112 Resp: 207516

Ion	Ratio	Lower	Upper
112	100		
64	59.8	46.0	69.0
63	29.8	23.4	35.0



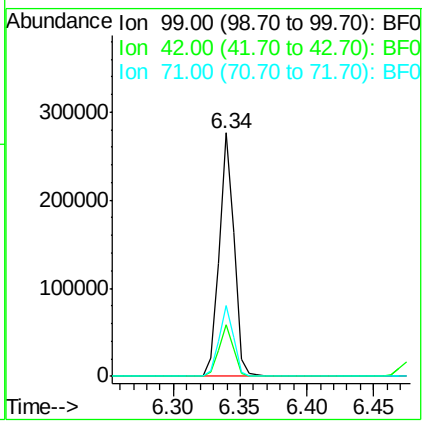


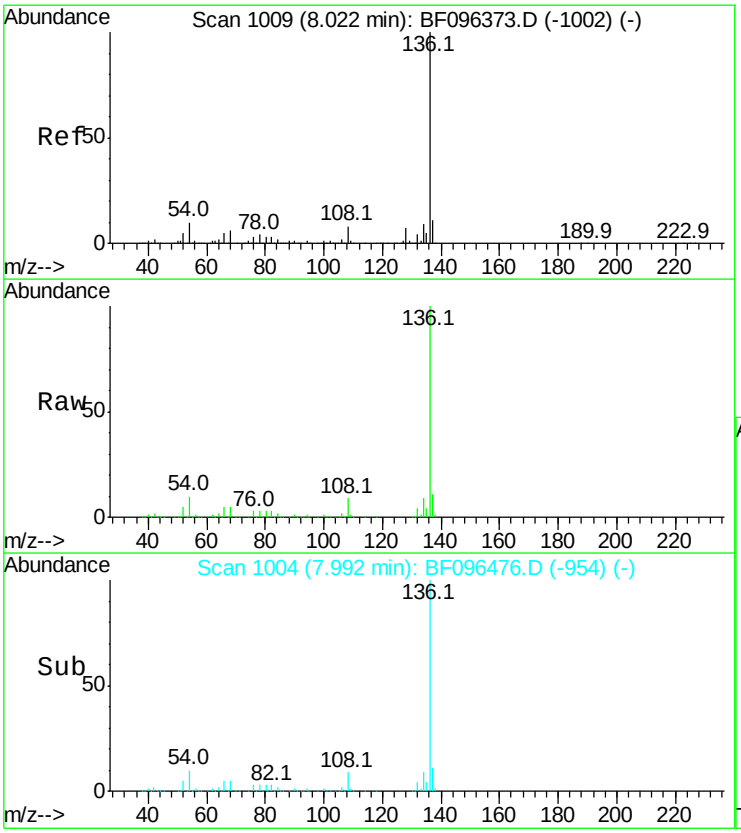
#7
Phenol-d6
Concen: 23.33 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion: 99 Resp: 218326

Ion	Ratio	Lower	Upper
99	100		
42	21.4	13.5	20.3#
71	28.9	24.5	36.7

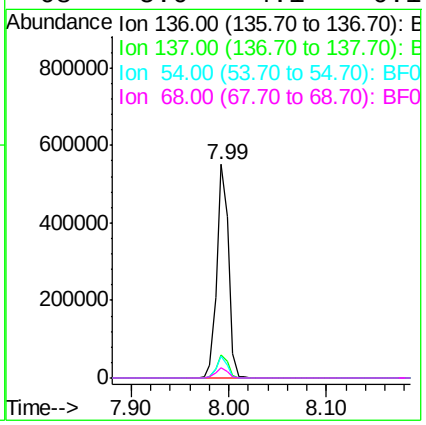


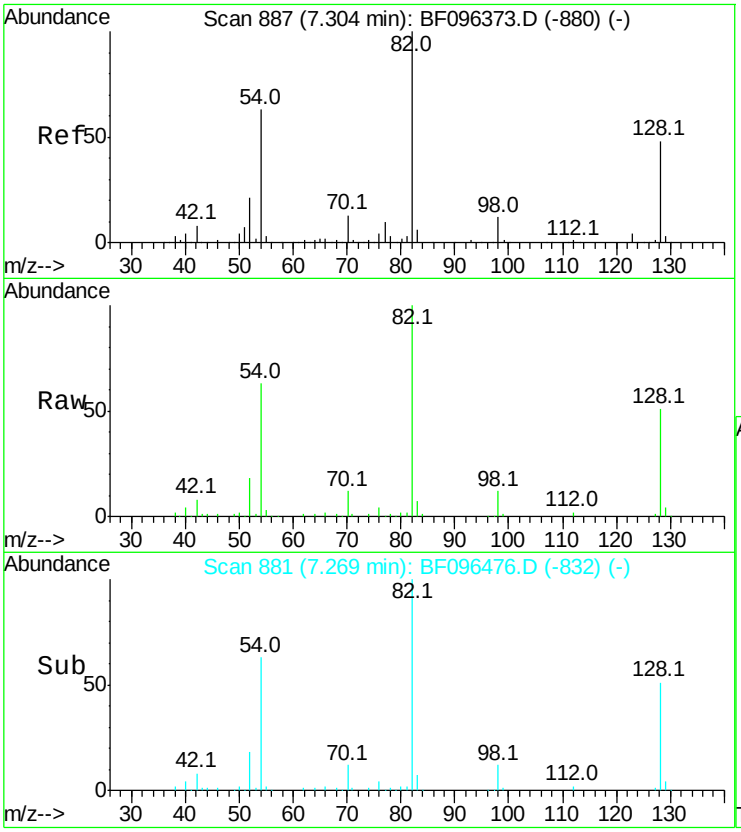


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:136 Resp: 457142

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.3	4.9	7.3#
68	5.0	4.1	6.1



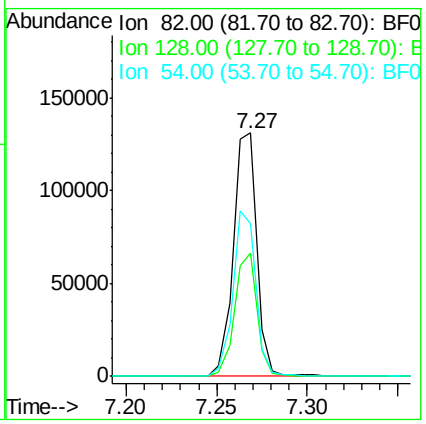


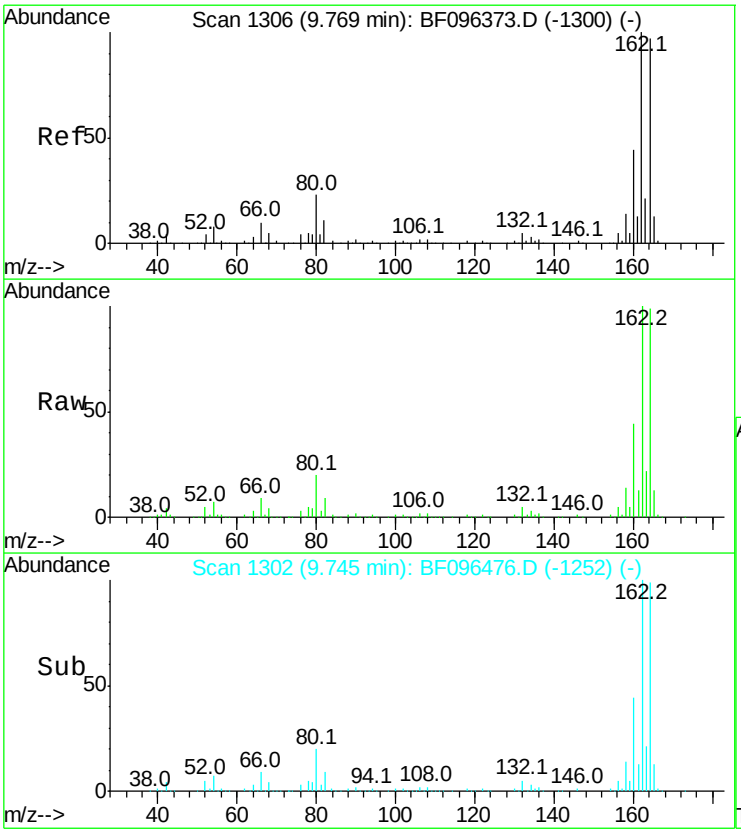
#23
Nitrobenzene-d5
Concen: 15.58 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion: 82 Resp: 118523

Ion	Ratio	Lower	Upper
82	100		
128	50.5	34.0	51.0
54	62.9	42.2	63.2

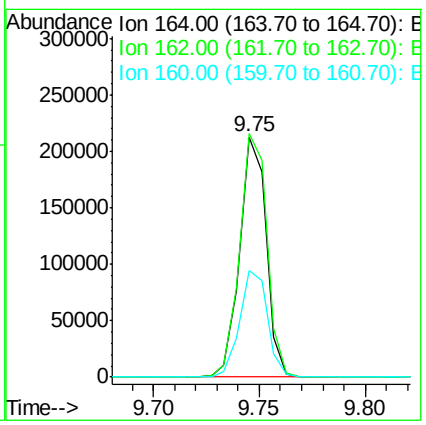


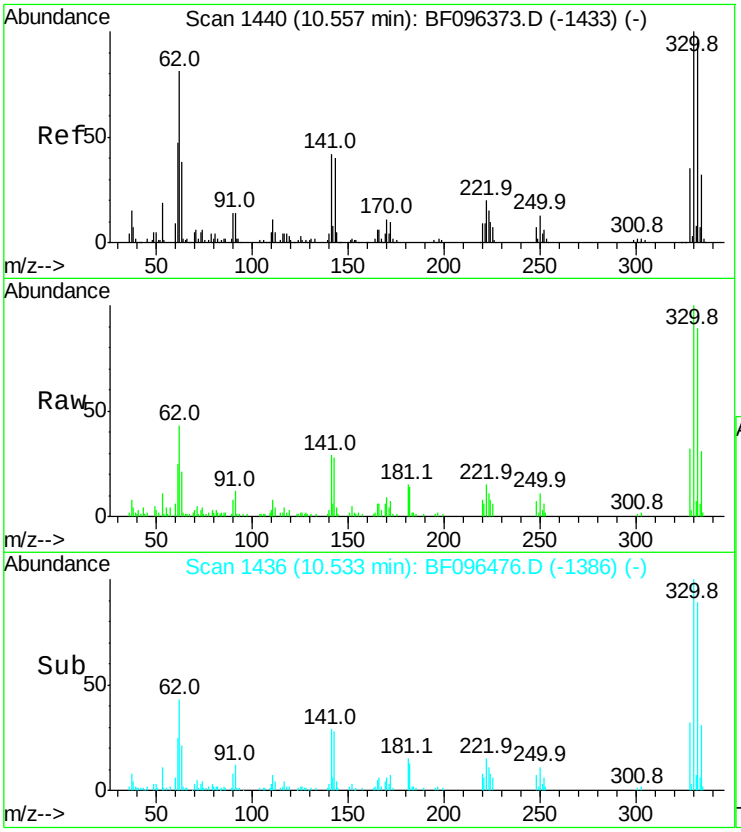


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:164 Resp: 184003

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	44.3	36.2	54.2



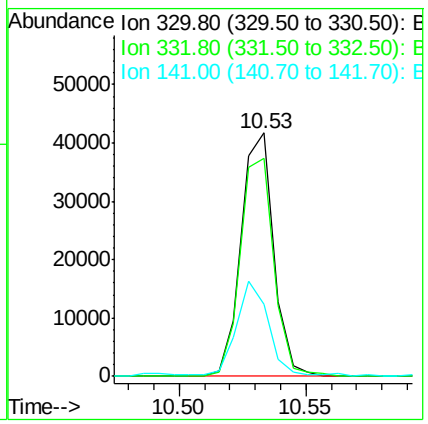


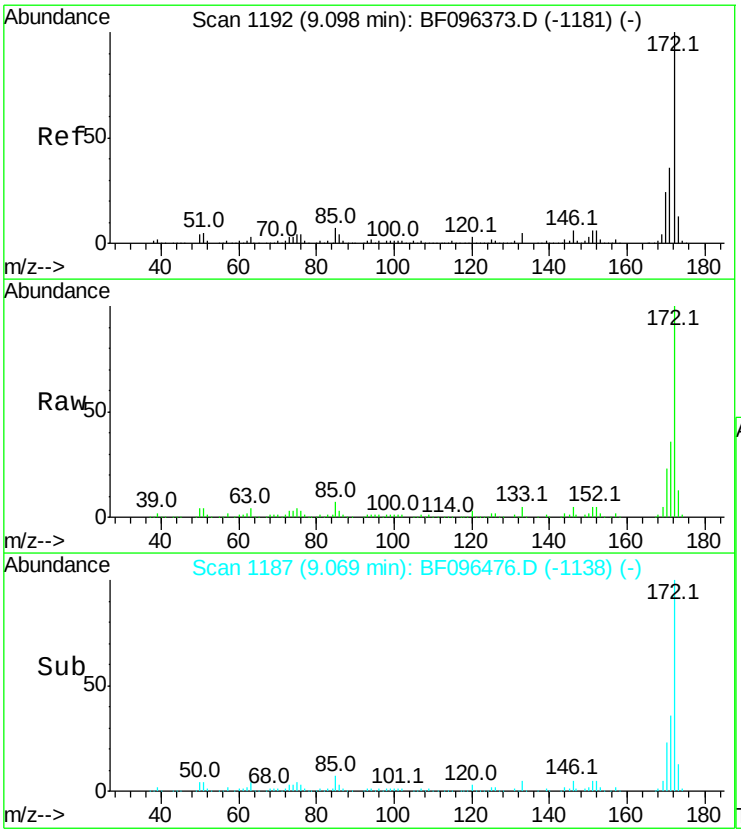
#41
2,4,6-Tribromophenol
Concen: 25.90 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:330 Resp: 37219

Ion	Ratio	Lower	Upper
330	100		
332	92.6	76.6	115.0
141	39.3	31.4	47.2

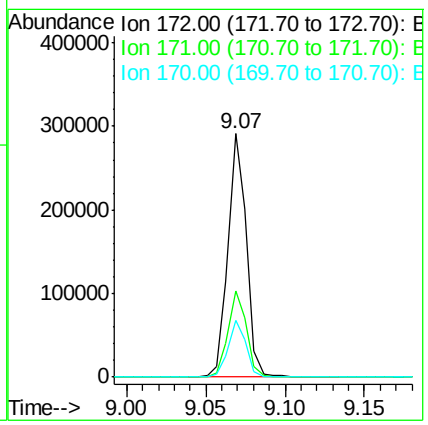


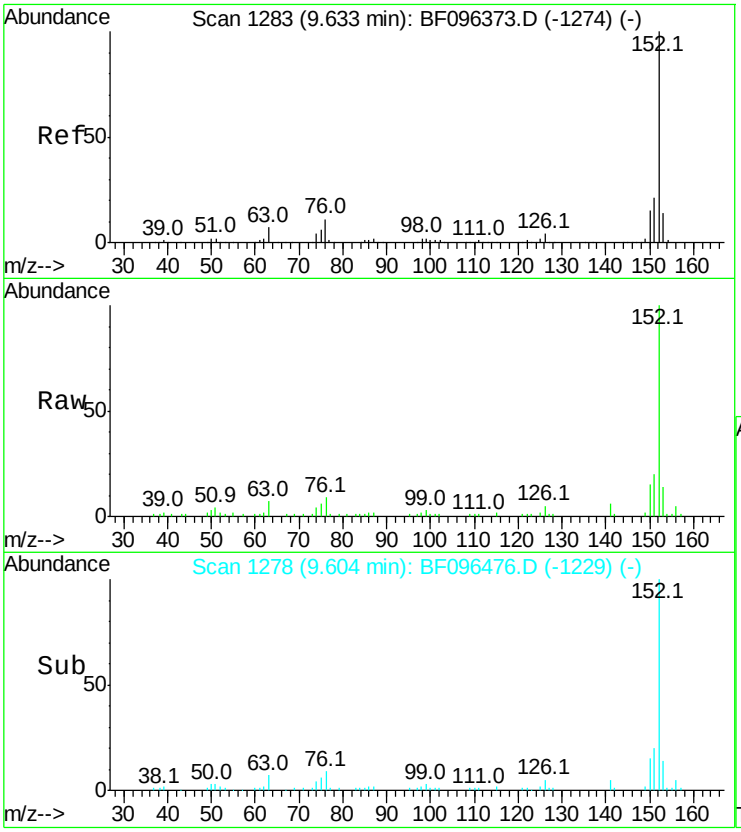


#44
2-Fluorobiphenyl
Concen: 21.80 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:172 Resp: 234608

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.3	19.8	29.8



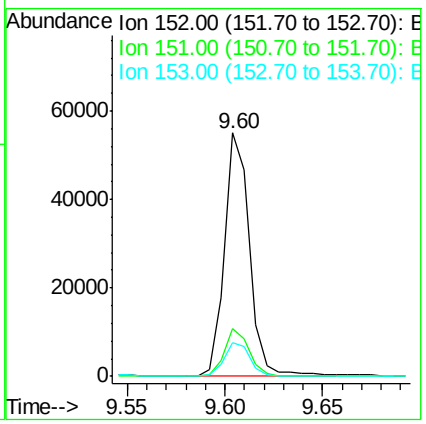


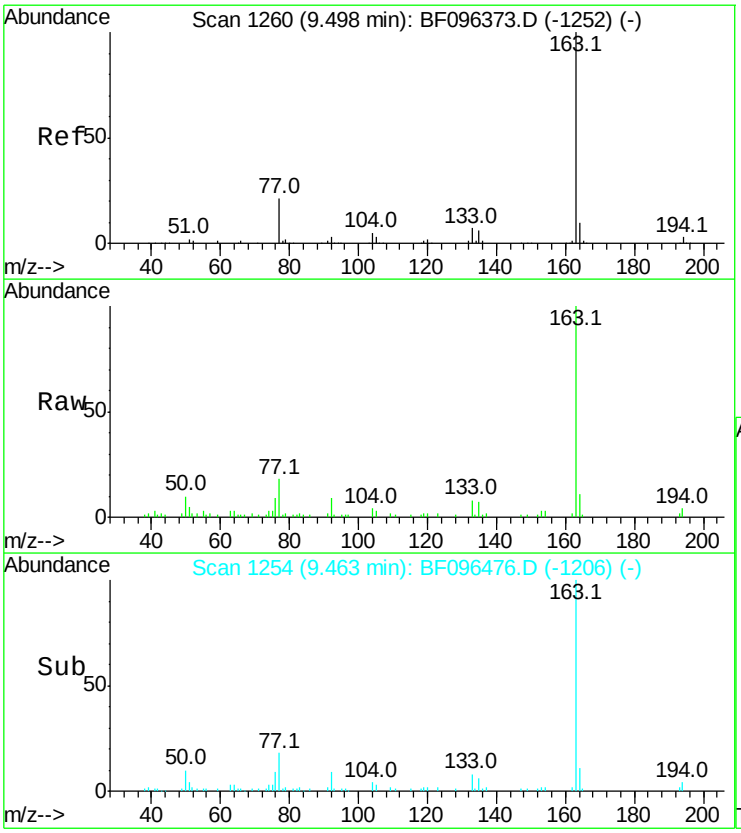
#48
Acenaphthylene
Concen: 2.64 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:152 Resp: 49117

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	14.0	10.8	16.2

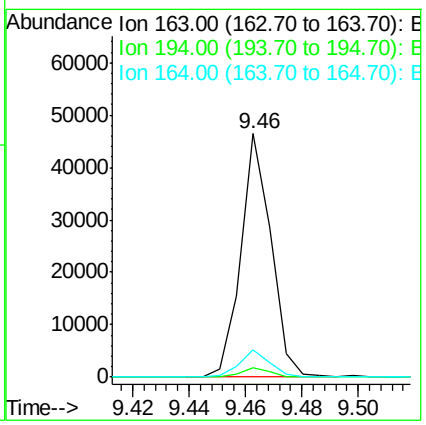


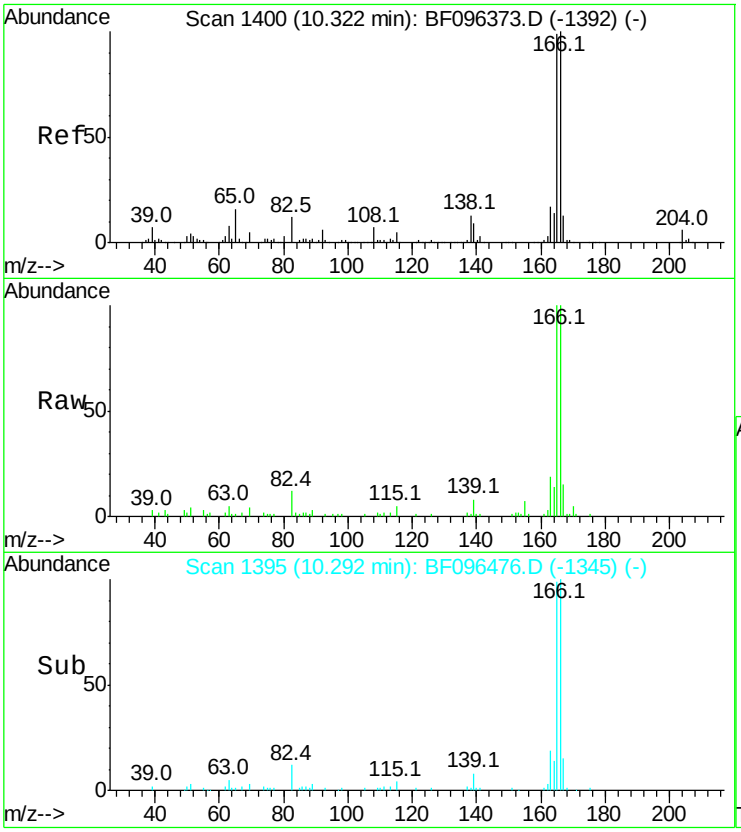


#49
Dimethylphthalate
Concen: 2.52 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:163 Resp: 34563

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	11.3	8.4	12.6



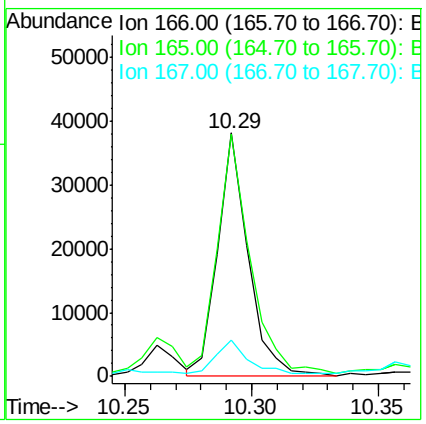


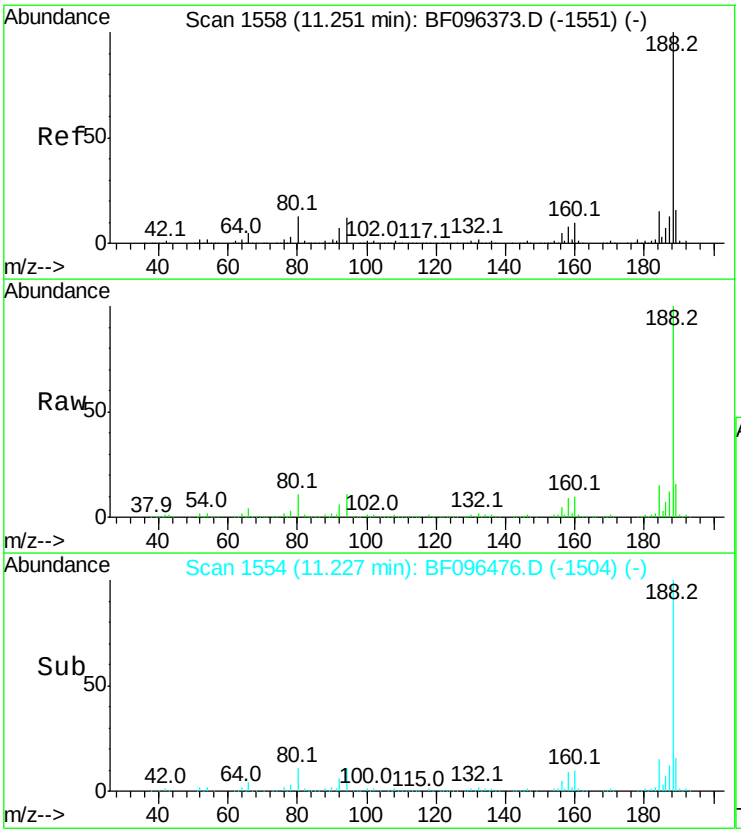
#57
Fluorene
Concen: 3.02 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:166 Resp: 32274

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.8	118.2
167	14.8	10.6	16.0

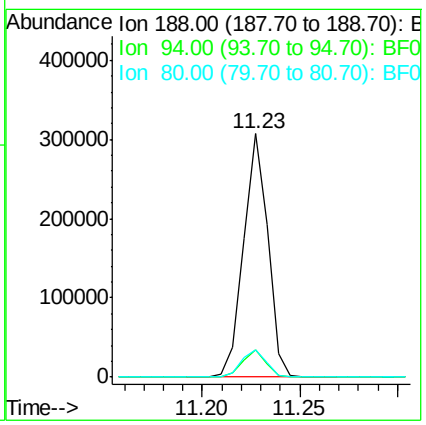


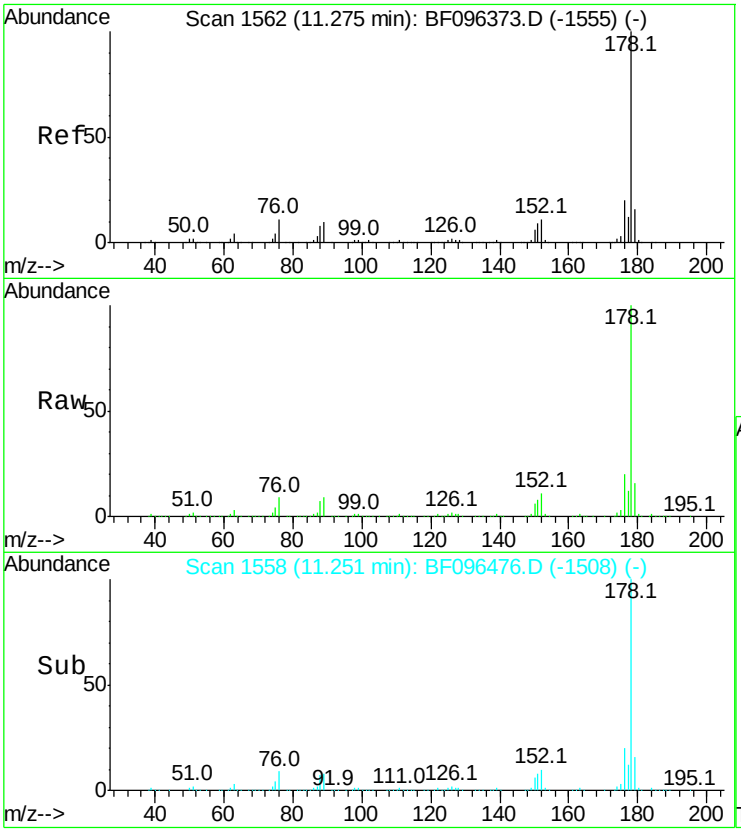


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:188 Resp: 265003

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.4	10.2	15.2



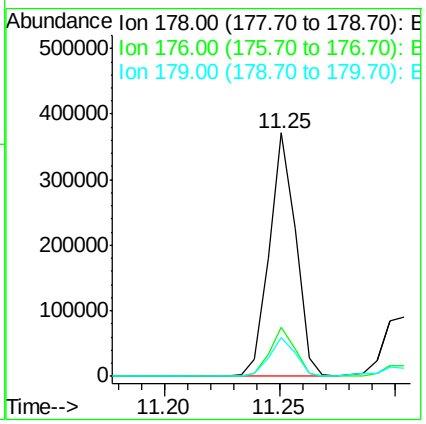


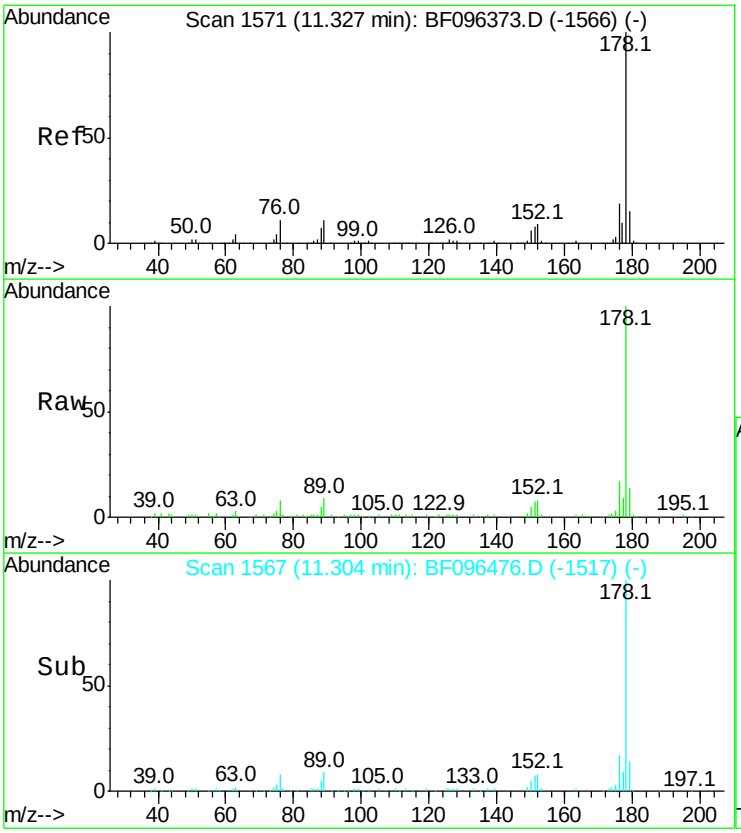
#70
Phenanthrene
Concen: 20.58 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:178 Resp: 294873

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	16.1	12.6	19.0

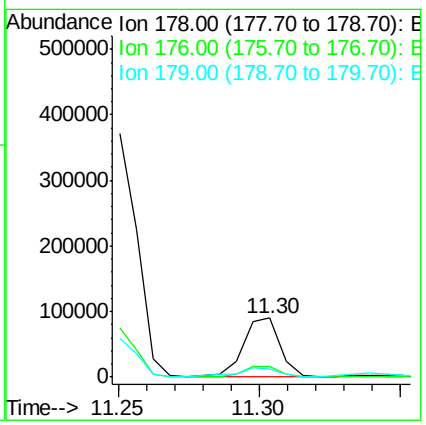


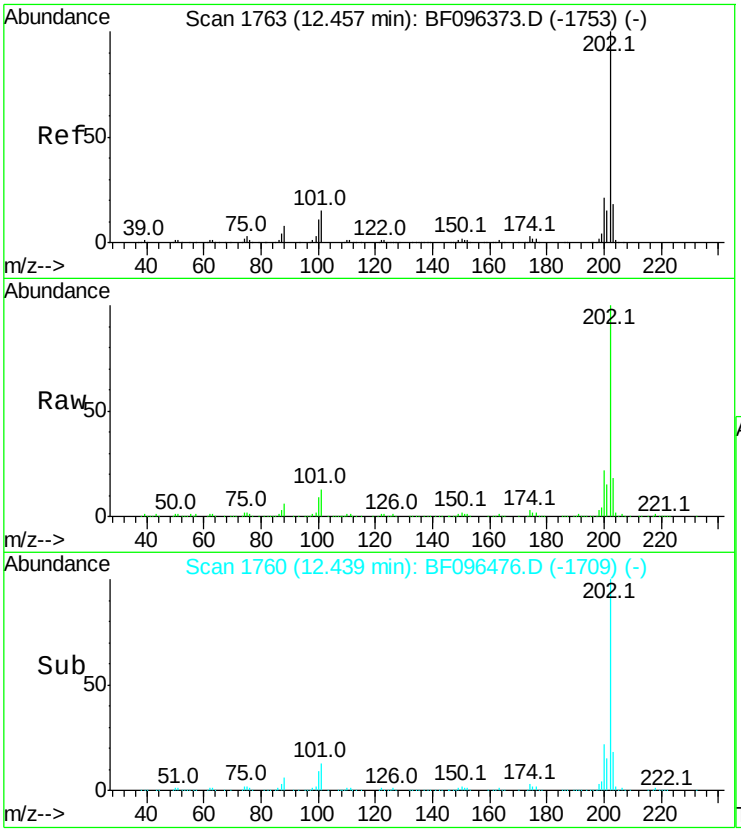


#71
Anthracene
Concen: 5.46 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:178 Resp: 79697

Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	14.1	12.7	19.1



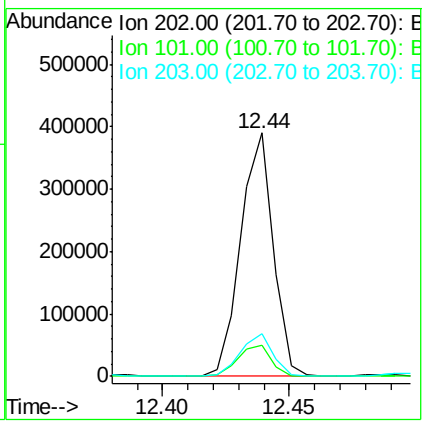


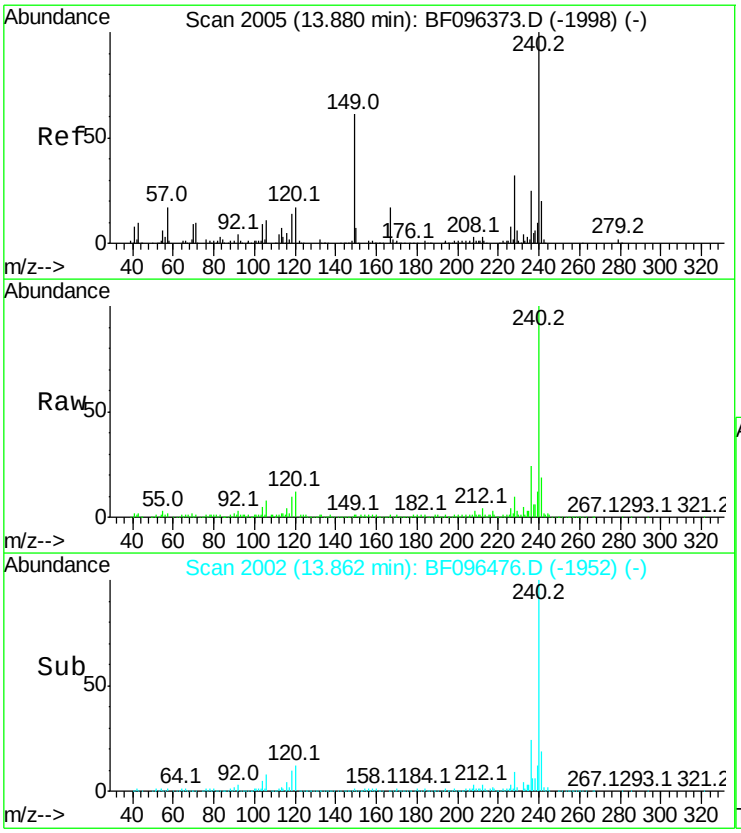
#74
Fluoranthene
Concen: 24.75 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:202 Resp: 347663

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.7	0.0	38.1

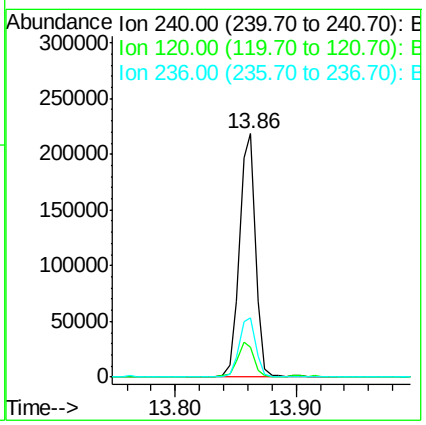


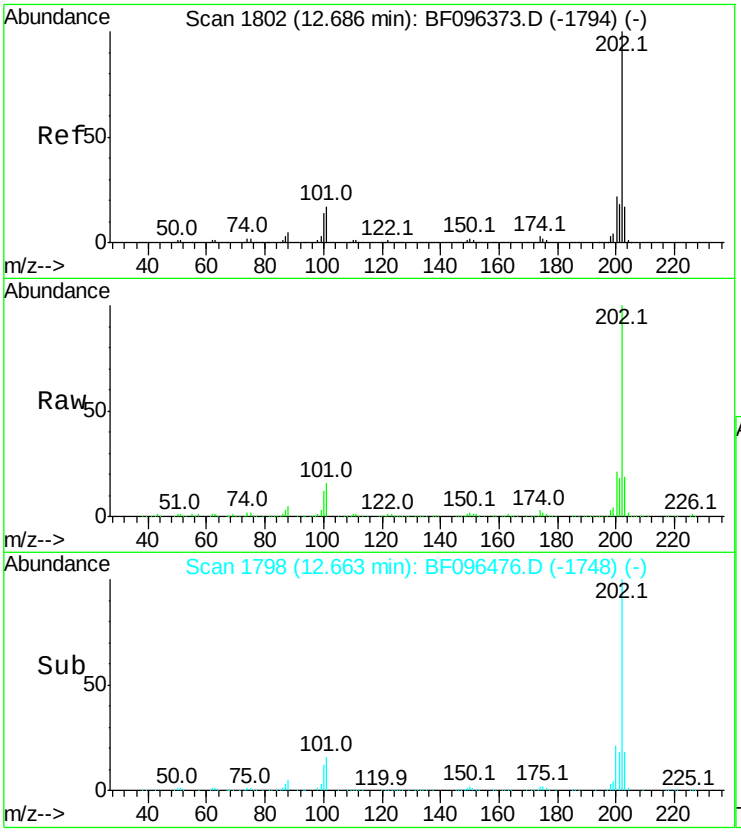


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:240 Resp: 205872

Ion	Ratio	Lower	Upper
240	100		
120	12.4	5.8	8.8#
236	24.1	20.5	30.7



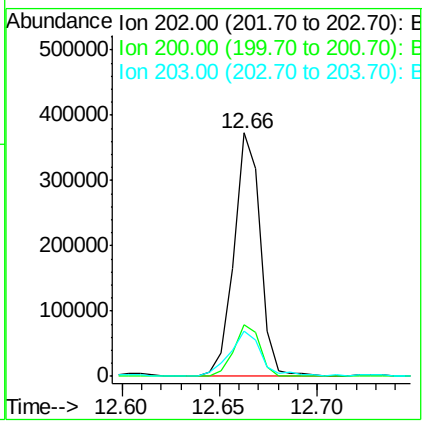


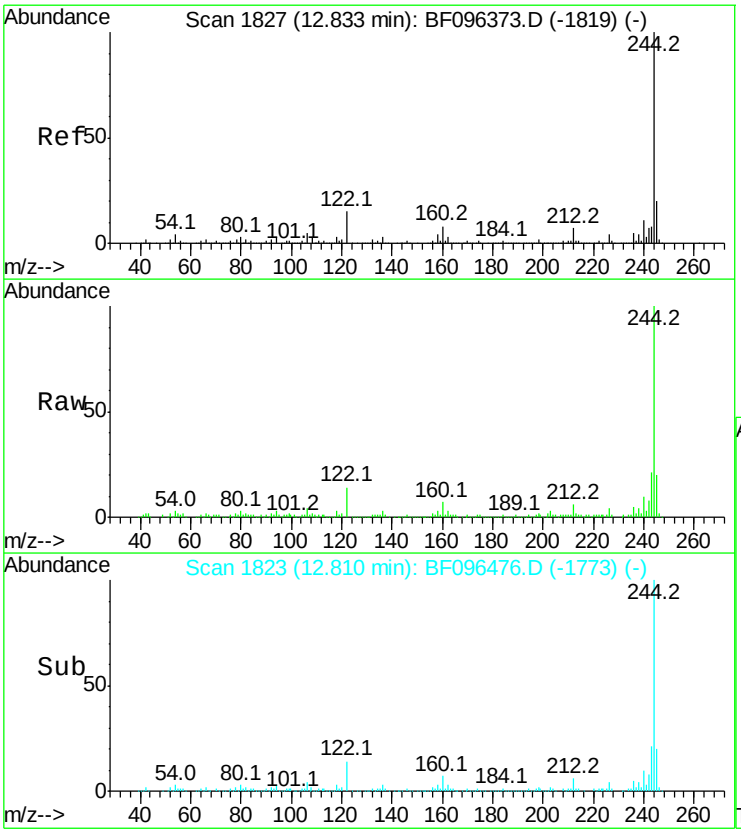
#77
Pyrene
Concen: 20.97 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:202 Resp: 346448

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.6	14.4	21.6

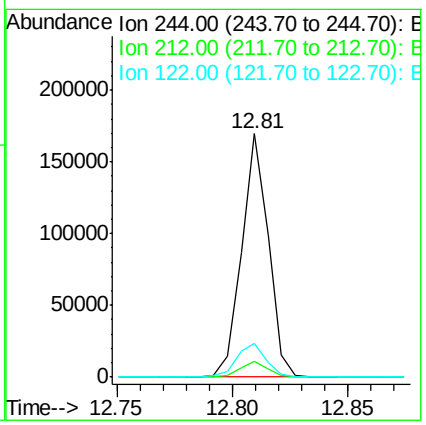


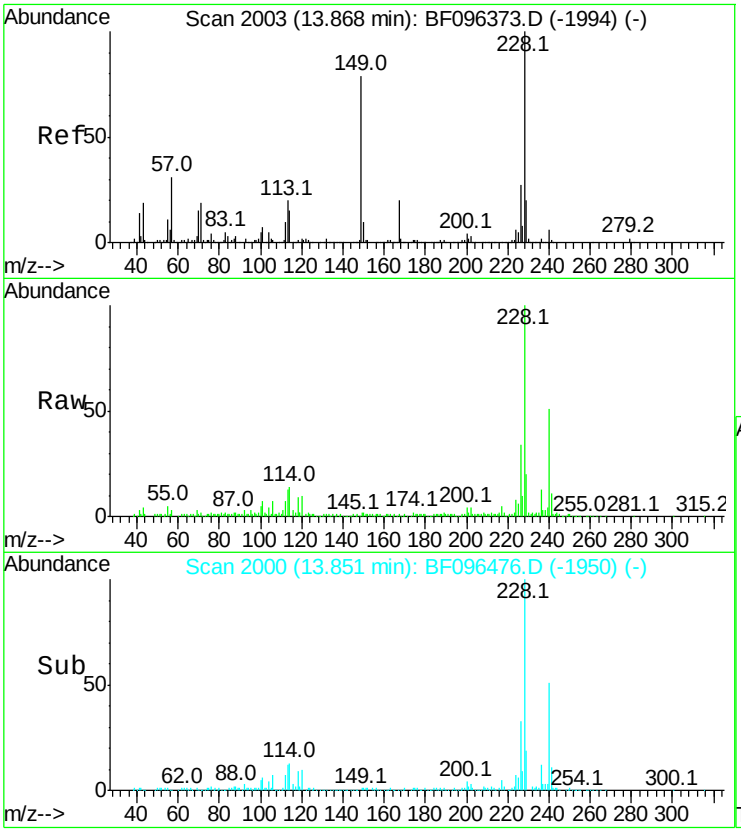


#78
Terphenyl-d14
Concen: 14.20 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:244 Resp: 136852

Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	13.8	10.3	15.5



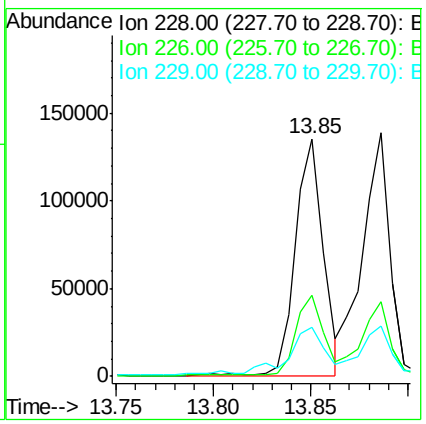


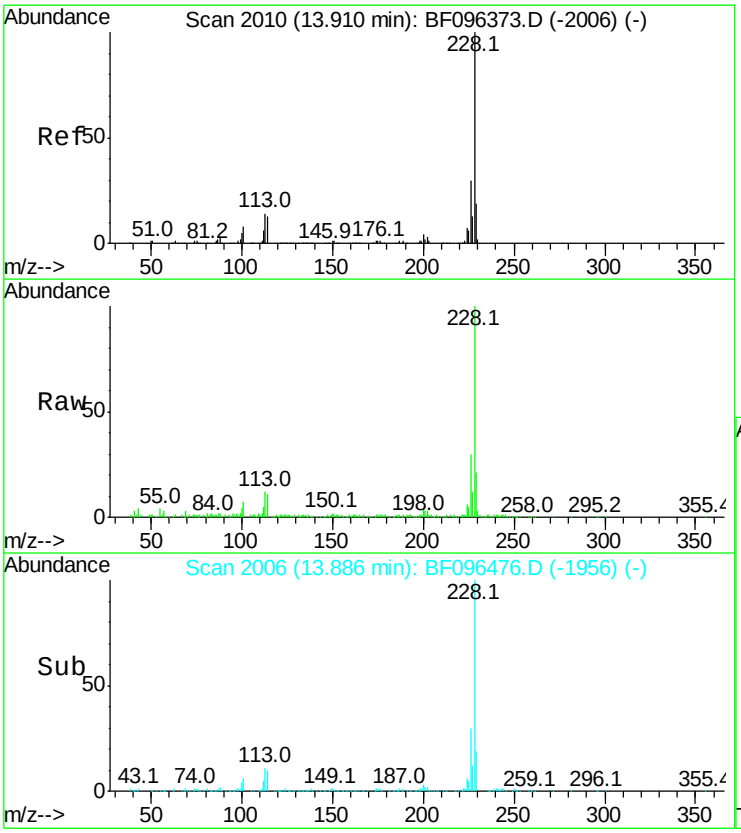
#80
Benzo(a)anthracene
Concen: 11.36 ng m
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:228 Resp: 135444

Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.6	33.8#
229	20.4	16.3	24.5

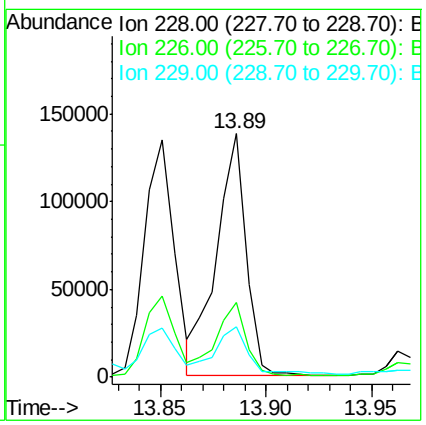


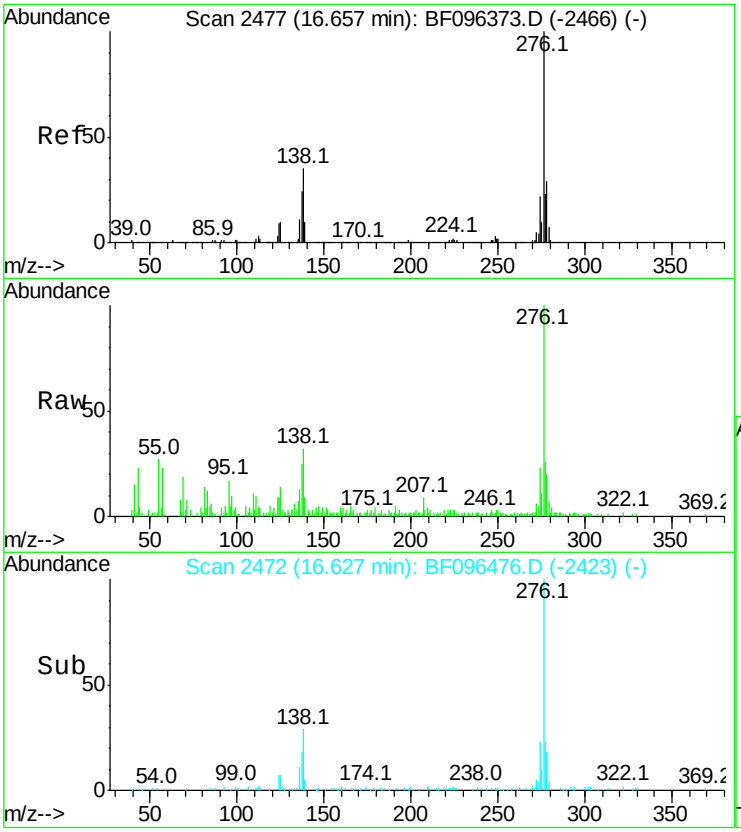


#82
Chrysene
Concen: 10.77 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:228 Resp: 134400

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	20.6	15.8	23.6



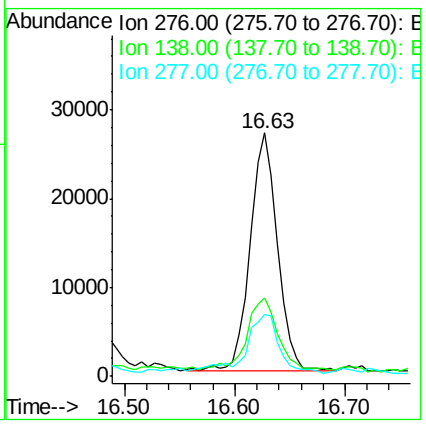


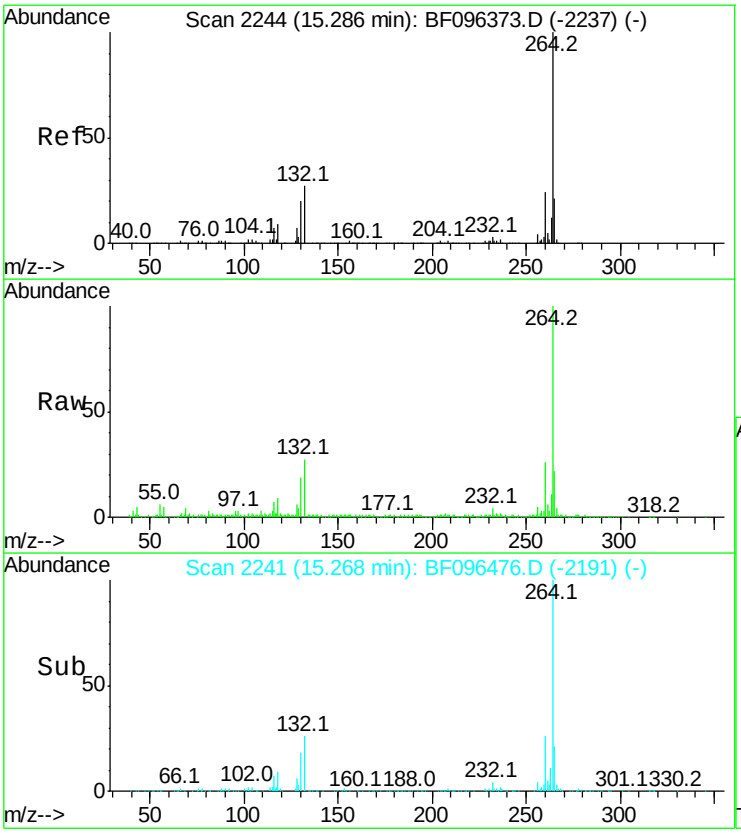
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.69 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:276 Resp: 46228

Ion	Ratio	Lower	Upper
276	100		
138	34.9	27.8	41.6
277	29.6	20.2	30.4

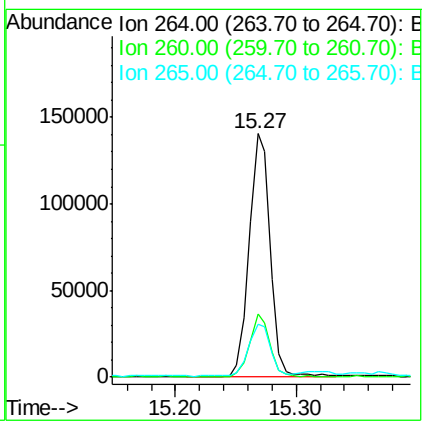


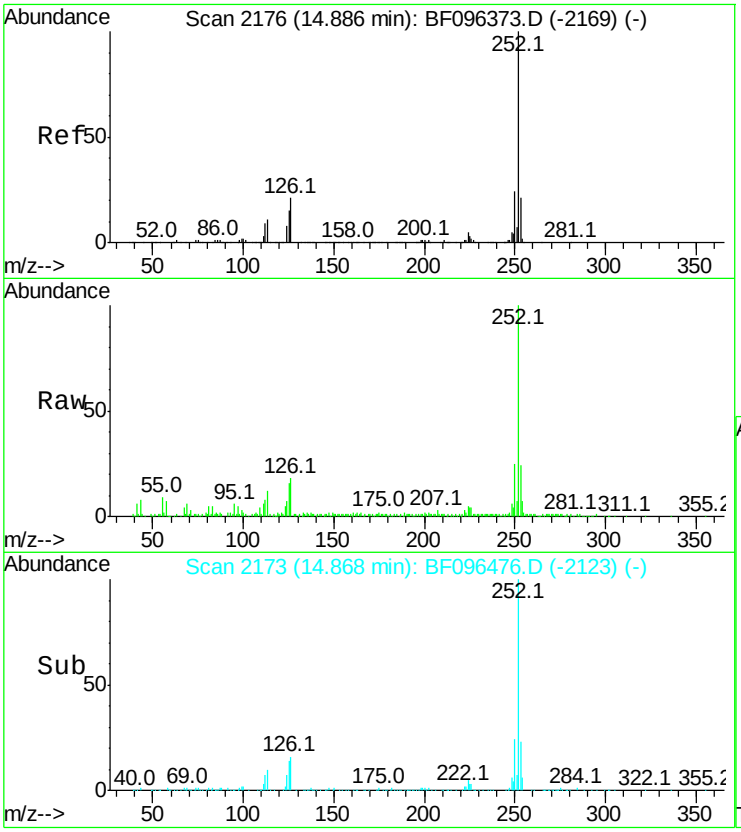


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:264 Resp: 171686

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.5	29.3
265	21.6	17.2	25.8



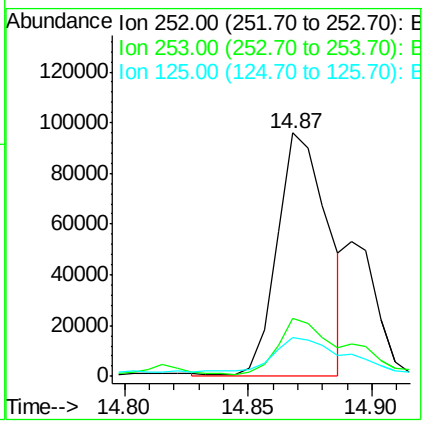


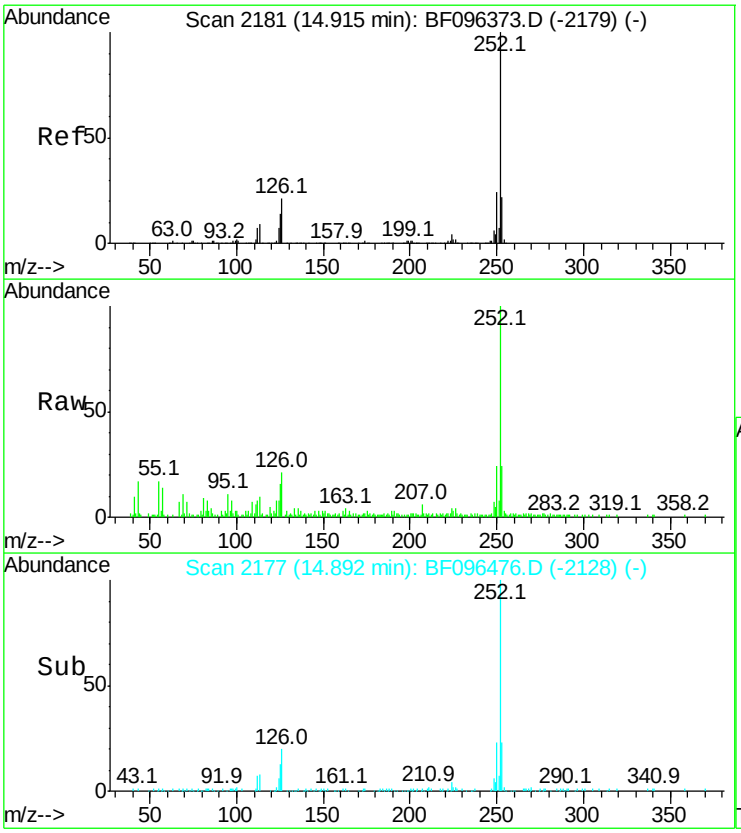
#87
Benzo(b)fluoranthene
Concen: 12.54 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:252 Resp: 134948

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	16.0	9.8	14.8#

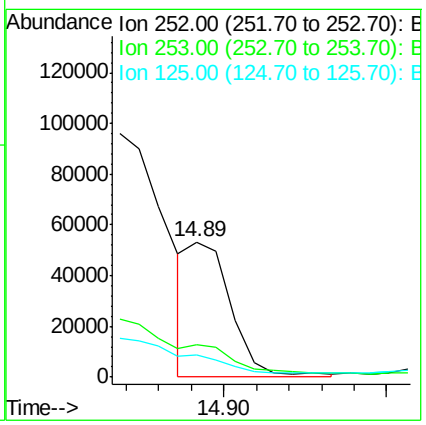


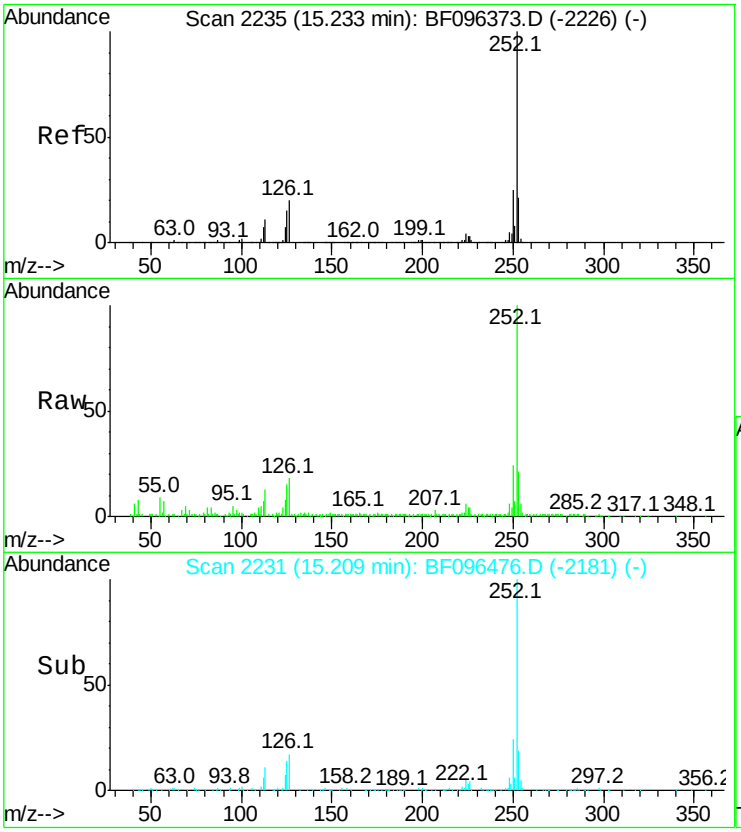


#88
Benzo(k)fluoranthene
Concen: 5.04 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:252 Resp: 48506

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	16.3	13.1	19.7



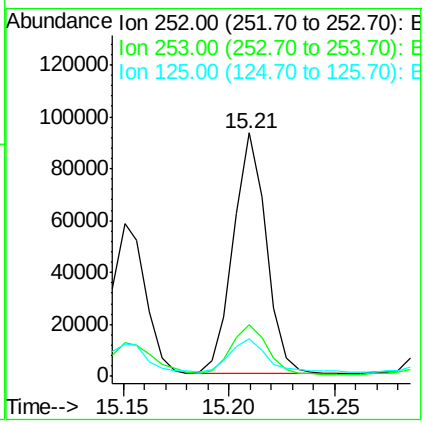


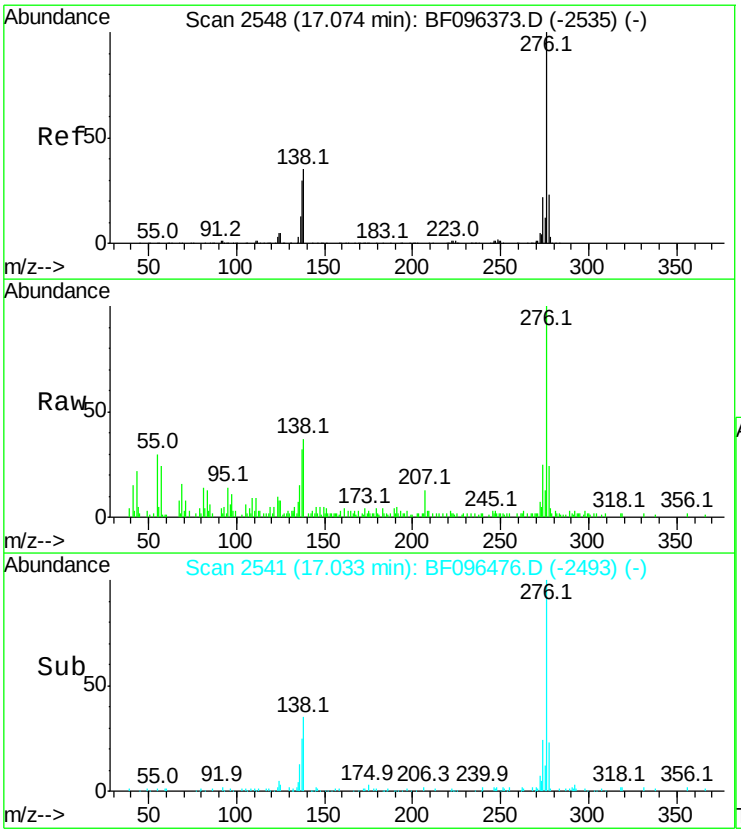
#89
Benzo(a)pyrene
Concen: 10.47 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Instrument :
BNA_F
ClientSampleId :
OR-02-063017

Tgt Ion:252 Resp: 100597

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	15.3	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 6.80 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF096476.D
Acq: 5 Jul 2017 11:41

Tgt Ion:276 Resp: 53268

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	36.6	25.4	38.0