Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-070517

Manual Integrations APPROVED
mohammad
7/10/2017 2:23:11 PM

Quant Time: Jul 10 03:36:41 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	101677	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	398804	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	155334	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	248965	20.00	ng	0.00
75) Chrysene-d12	13.84	240	188566	20.00	ng	0.00
86) Perylene-d12	15.25	264	123871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	618512	89.78	ng	0.00
7) Phenol-d6	6.34	99	723830	85.47	ng	0.00
23) Nitrobenzene-d5	7.26	82	389744	58.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	113618	93.64	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	661719	72.84	ng	0.00
78) Terphenyl-d14	12.80	244	513444	58.18	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.59	152	168831	10.742	ng	98
49) Dimethylphthalate	9.45	163	48220	4.158	ng	97
70) Phenanthrene	11.23	178	114225	8.487	ng	98
71) Anthracene	11.29	178	127011	9.261	ng	100
74) Fluoranthene	12.42	202	360626	27.330	ng	99
77) Pyrene	12.64	202	433839	28.663	ng	99
80) Benzo(a)anthracene	13.83	228	217045m	19.877	ng	
82) Chrysene	13.87	228	188556	16.489	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	111247	12.325	ng	94
87) Benzo(b)fluoranthene	14.86	252	219476m	28.277	ng	
88) Benzo(k)fluoranthene	14.87	252	81527m	11.742	ng	
89) Benzo(a)pyrene	15.19	252	159116	22.962	ng	95
90) Dibenzo(a,h)anthracene	16.61	278	29659m	5.440	ng	
91) Benzo(g,h,i)perylene	17.02	276	136885	24.232	ng	98

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

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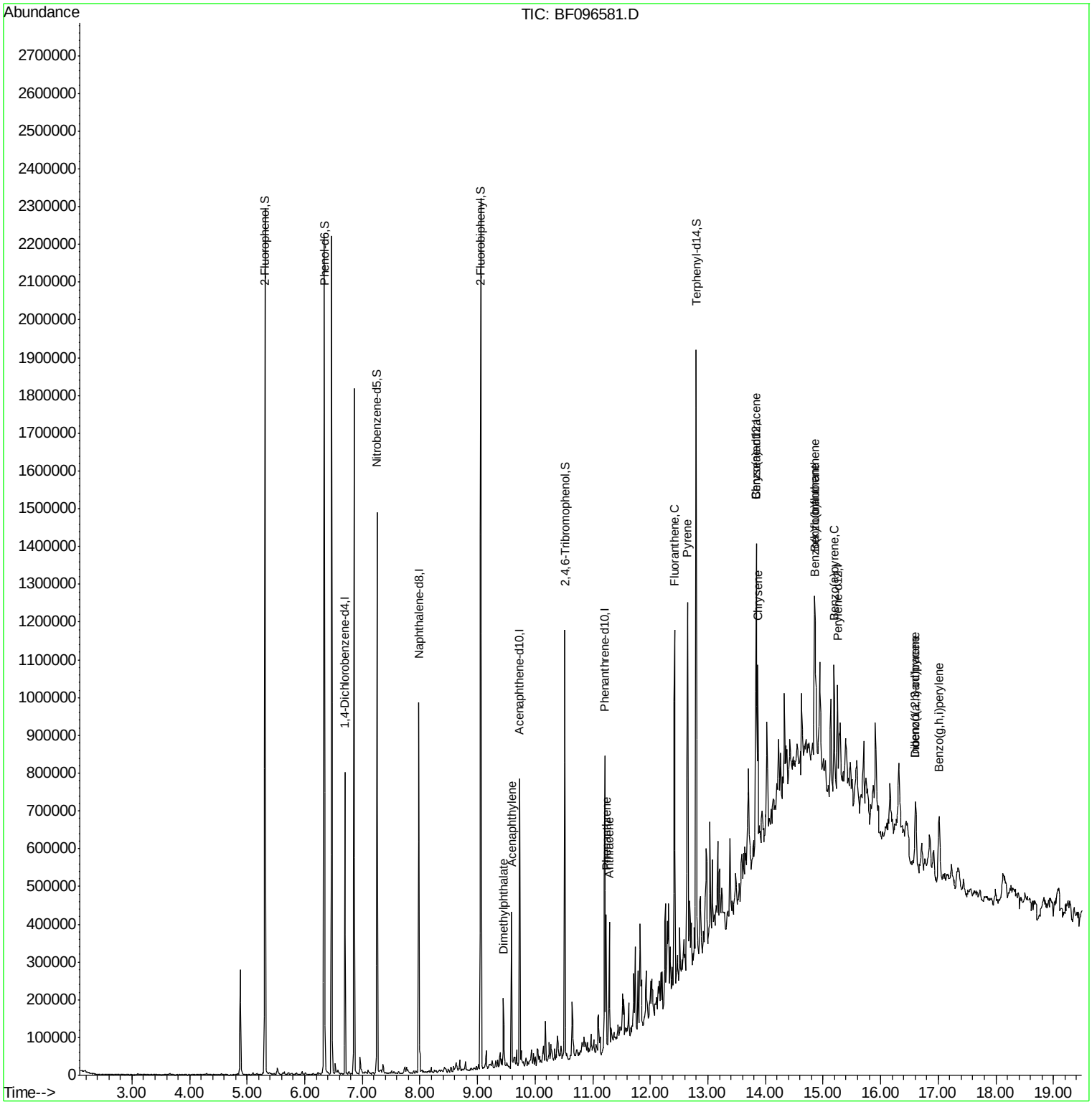
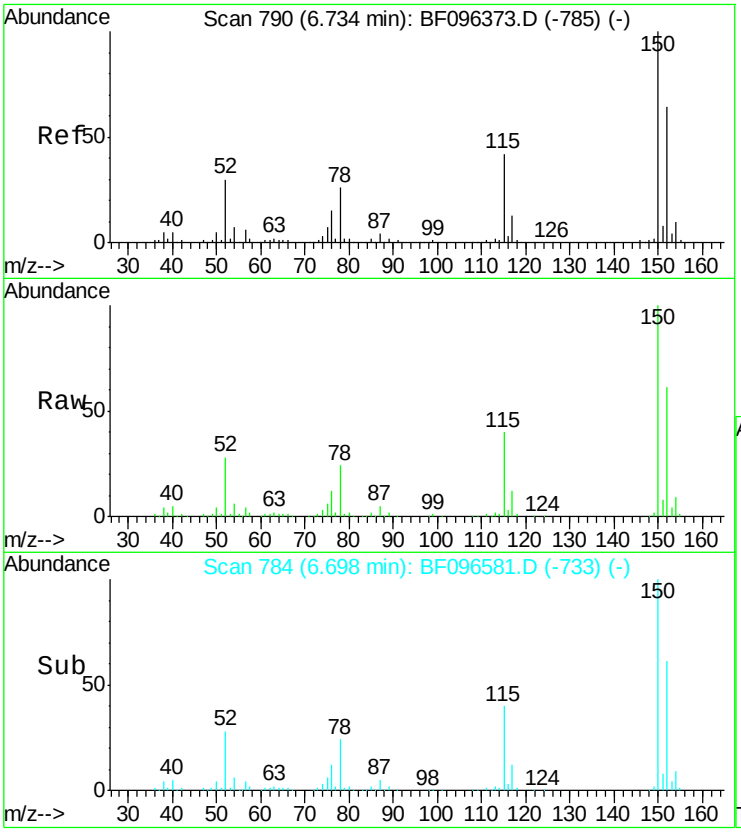
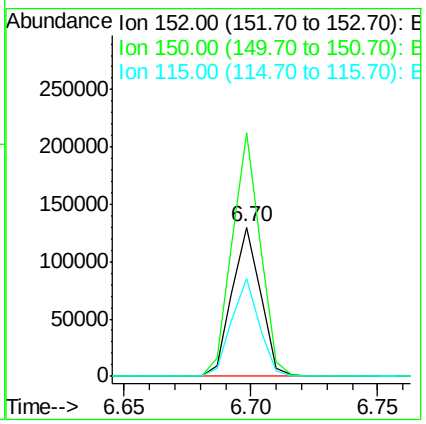




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:152 Resp: 101677

Ion	Ratio	Lower	Upper
152	100		
150	163.0	126.2	189.2
115	65.1	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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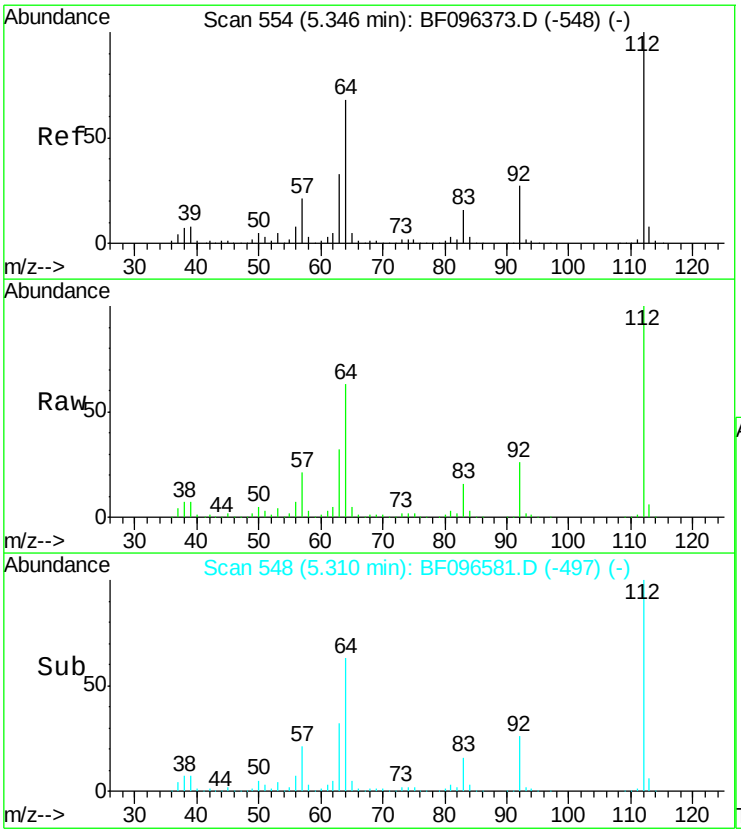
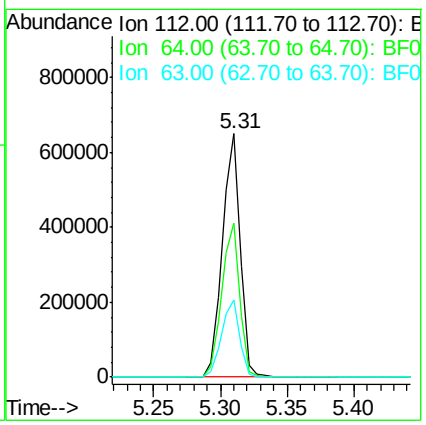
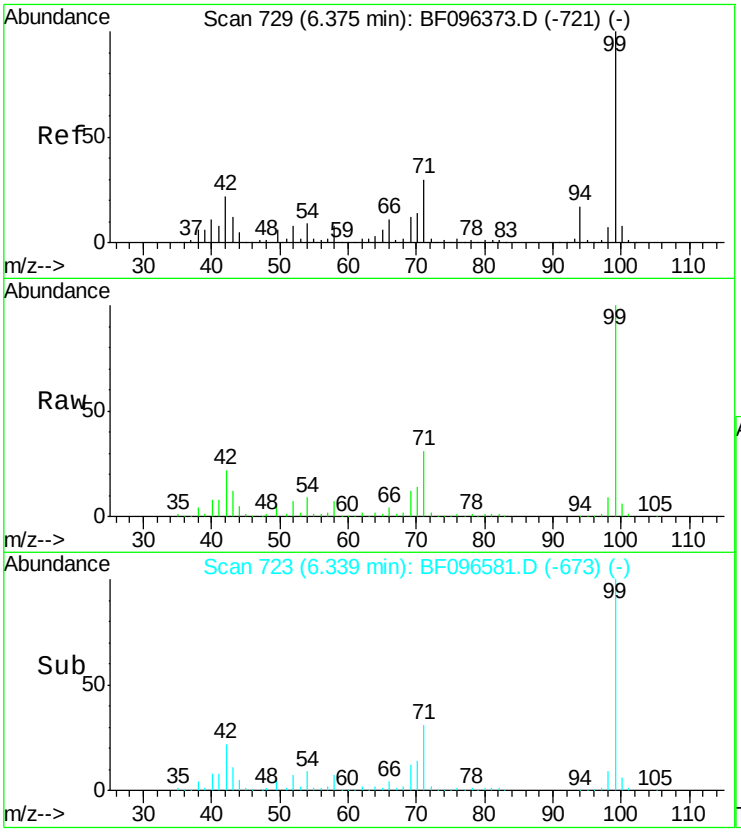


#5
2-Fluorophenol
Concen: 89.785 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:112 Resp: 618512

Ion	Ratio	Lower	Upper
112	100		
64	63.3	46.0	69.0
63	31.9	23.4	35.0

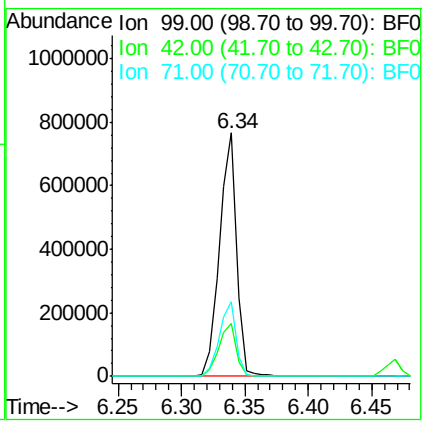




#7
Phenol-d6
Concen: 85.469 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion: 99 Resp: 723830

Ion	Ratio	Lower	Upper
99	100		
42	21.6	13.5	20.3#
71	30.6	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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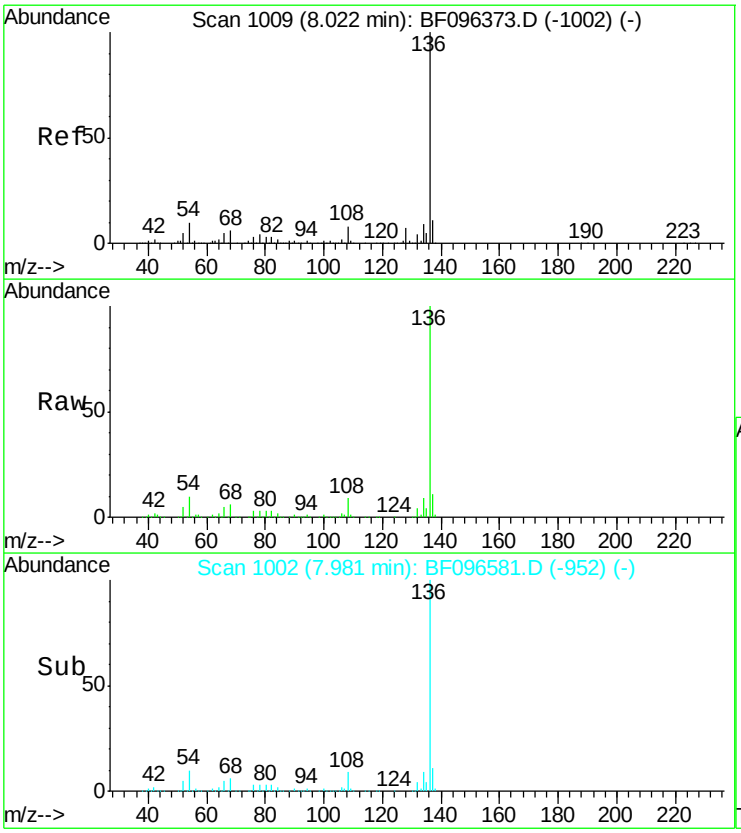
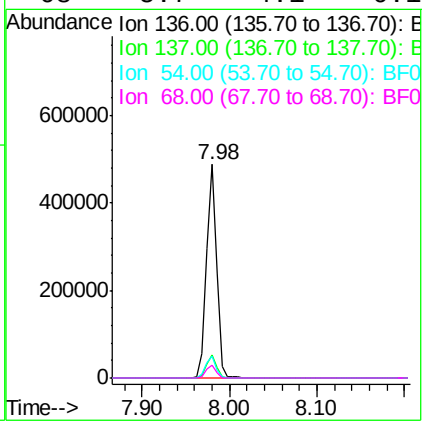
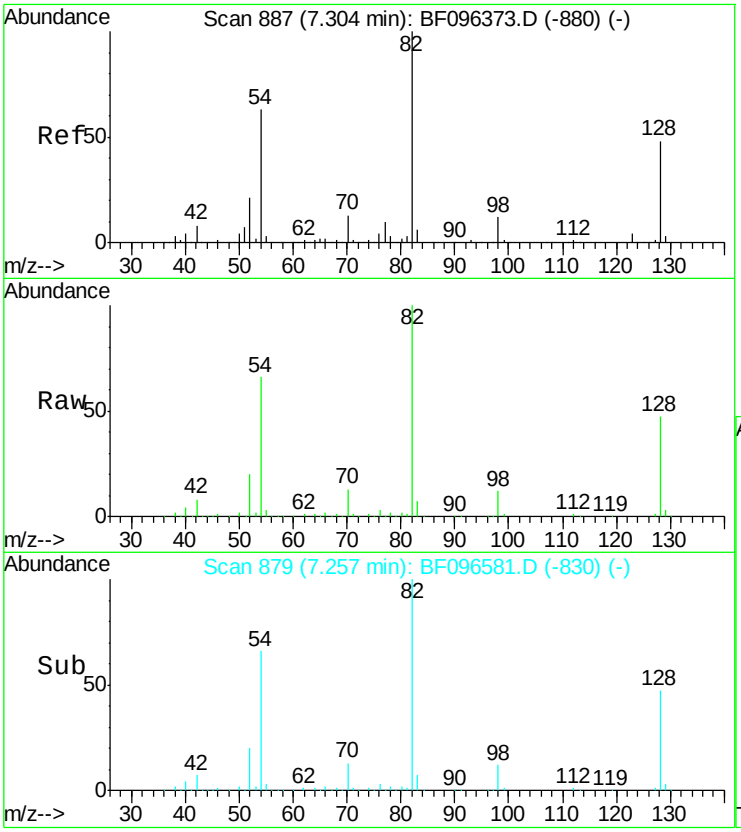


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:136 Resp: 398804

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.1	4.9	7.3#
68	5.7	4.1	6.1

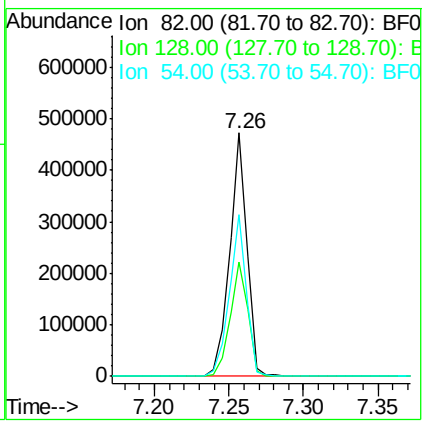




#23
Nitrobenzene-d5
Concen: 58.726 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion: 82 Resp: 389744

Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	66.5	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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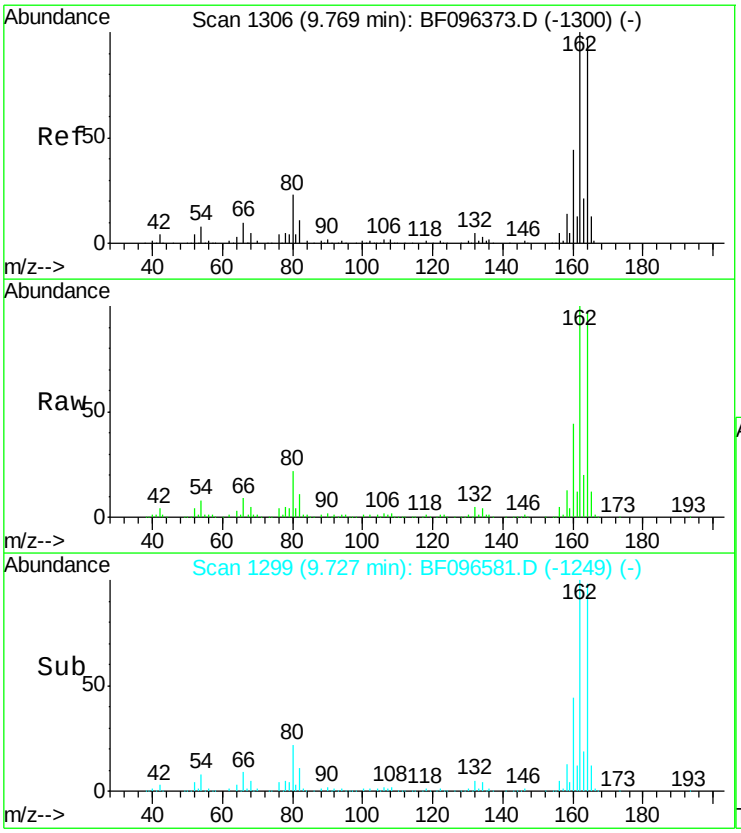
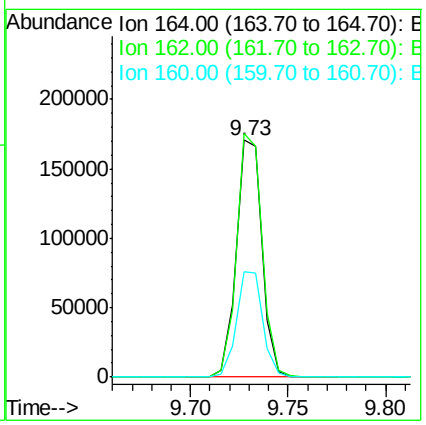
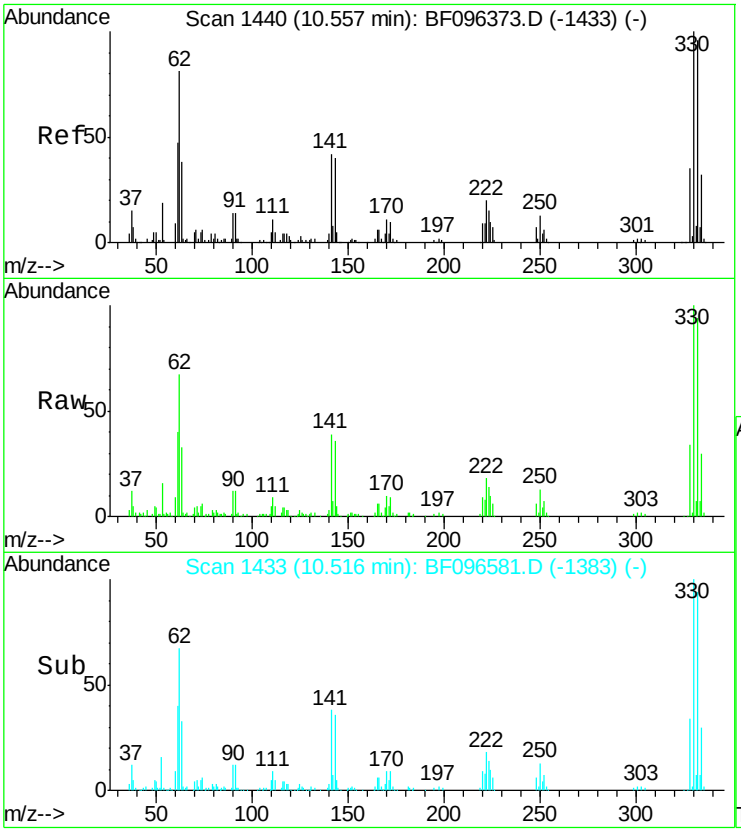


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:164 Resp: 155334

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	123.8
160	44.7	36.2	54.2

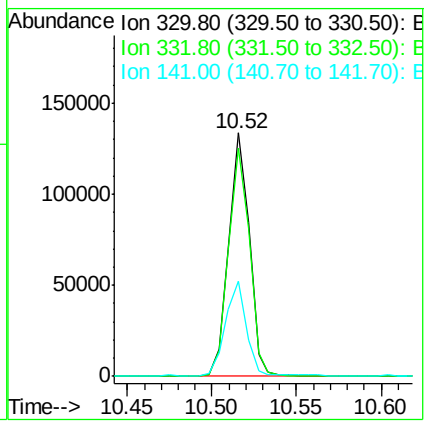




#41
2,4,6-Tribromophenol
Concen: 93.640 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:330 Resp: 113618

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	38.8	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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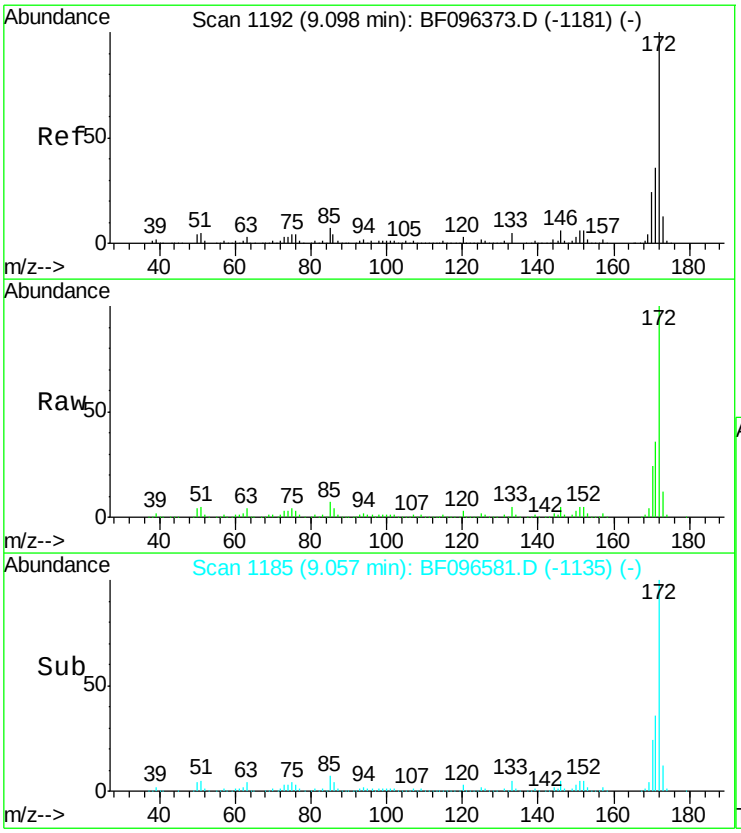
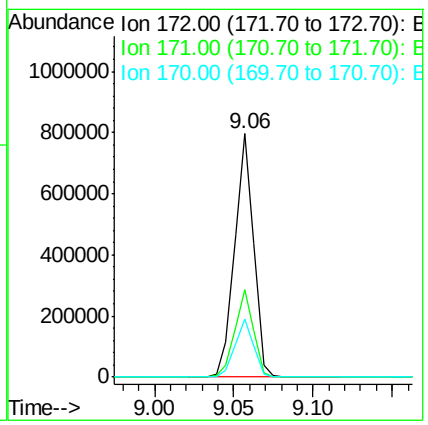
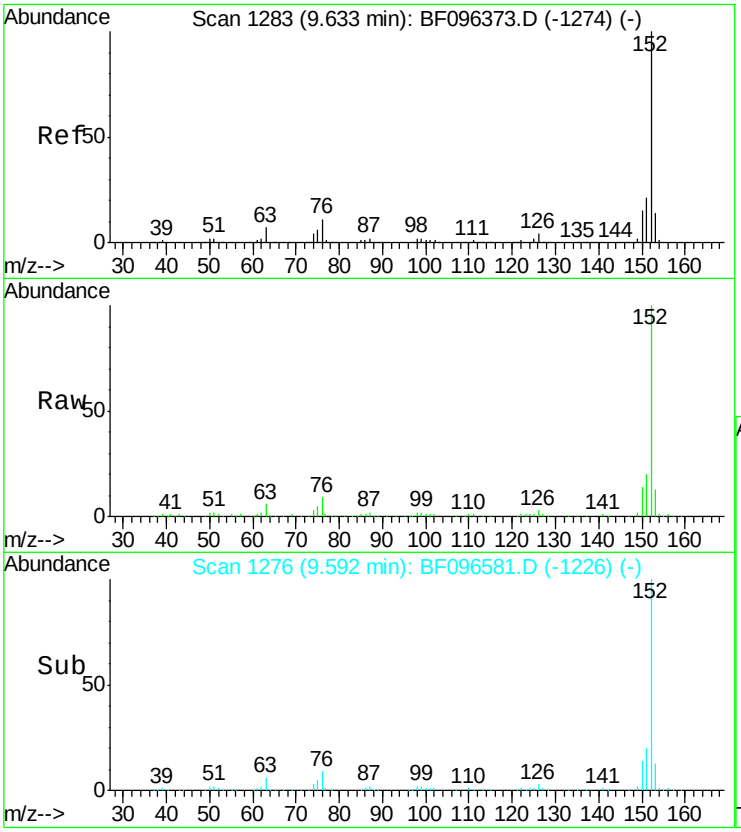


#44
2-Fluorobiphenyl
Concen: 72.836 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:172 Resp: 661719

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.6	19.8	29.8

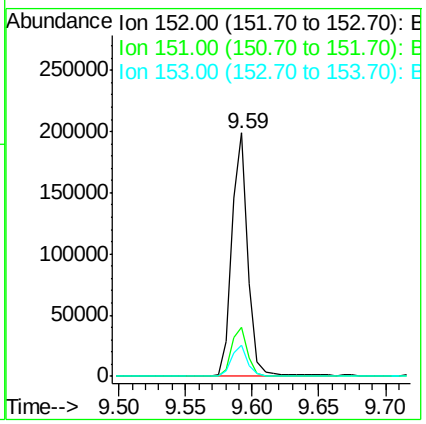




#48
Acenaphthylene
Concen: 10.742 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:152 Resp: 168831

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	12.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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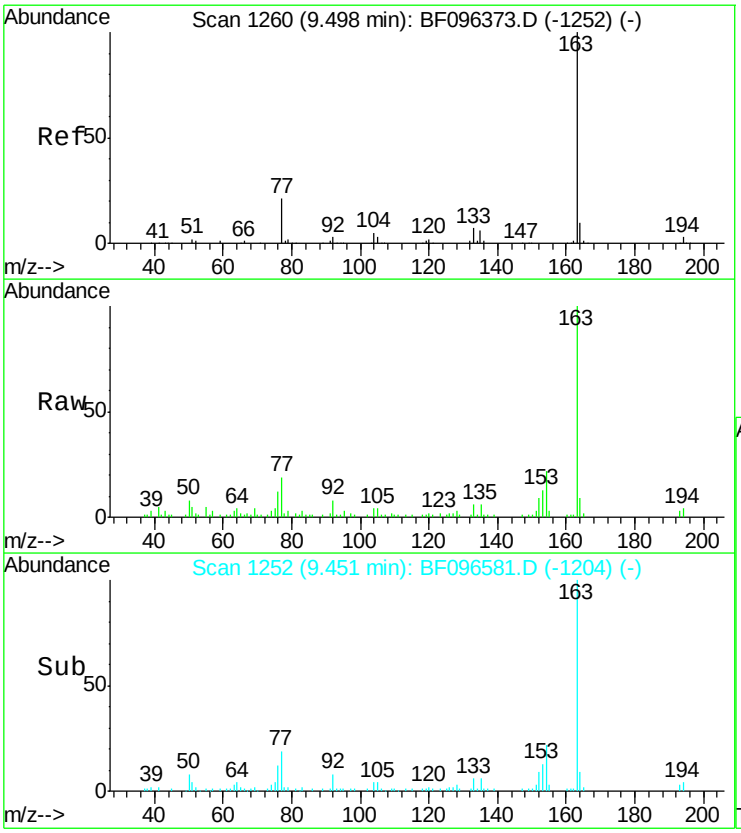
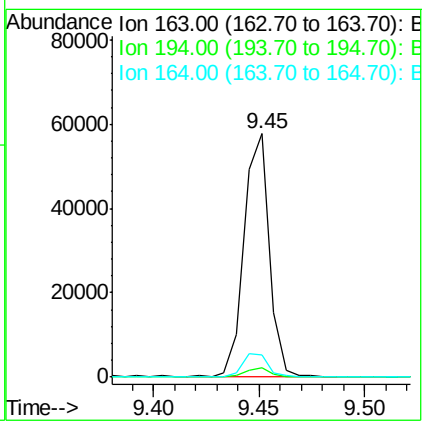
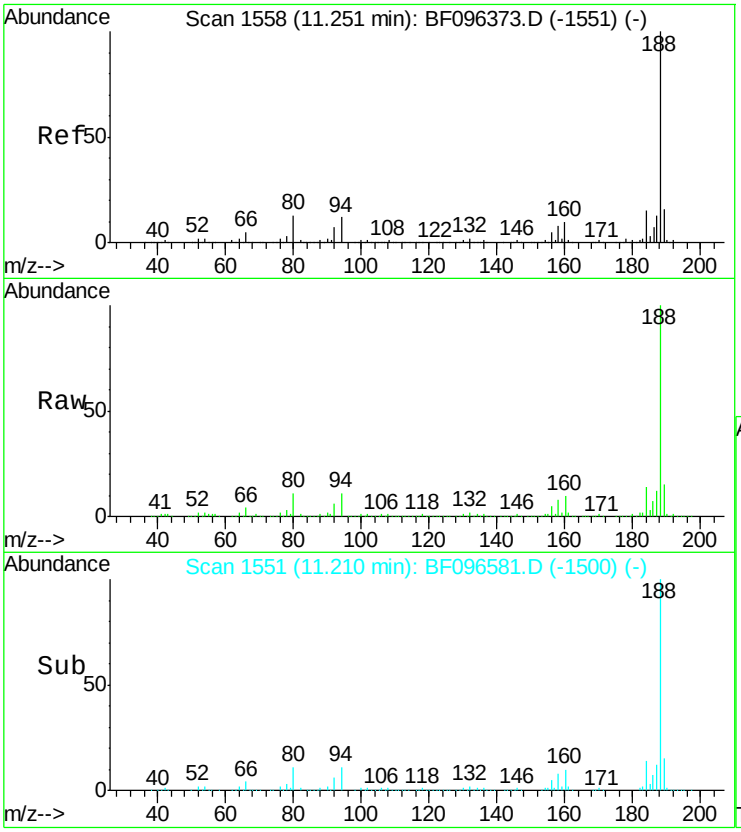


#49
Dimethylphthalate
Concen: 4.158 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:163 Resp: 48220

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.1	8.4	12.6

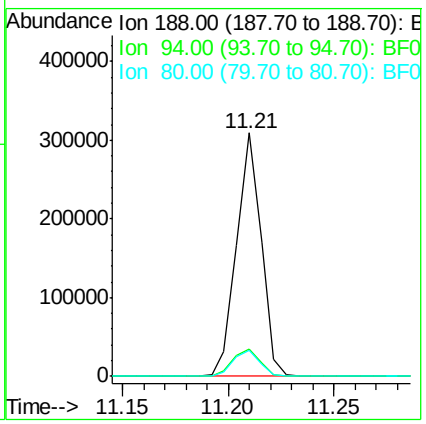




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:188 Resp: 248965

Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	10.9	10.2	15.2



Instrument :
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ClientSampleId :
SU-02-070517

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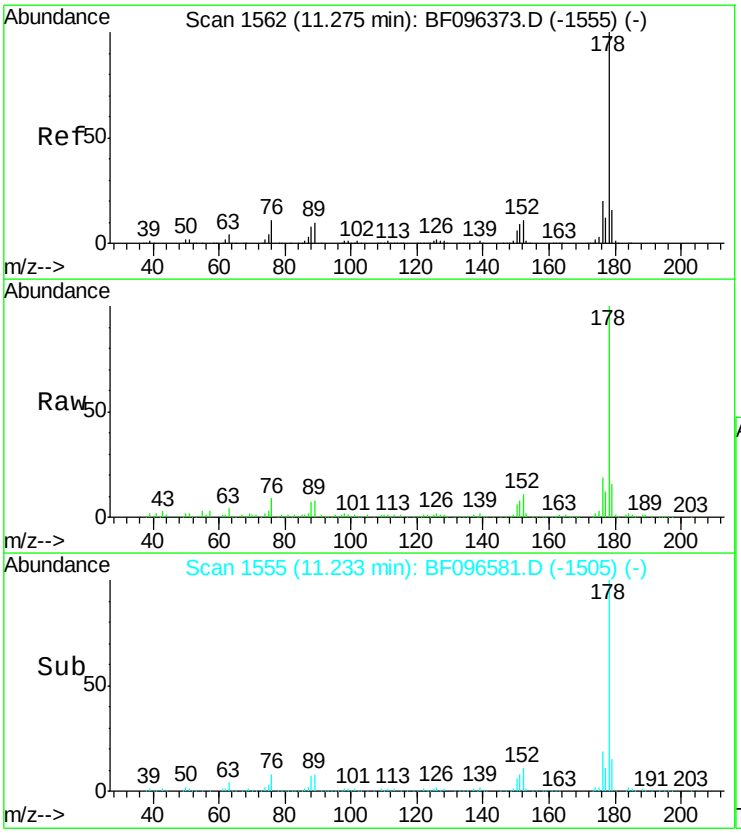
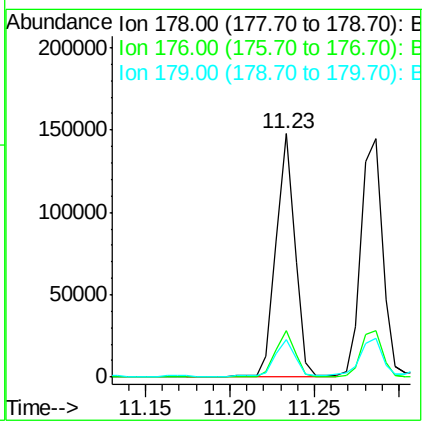
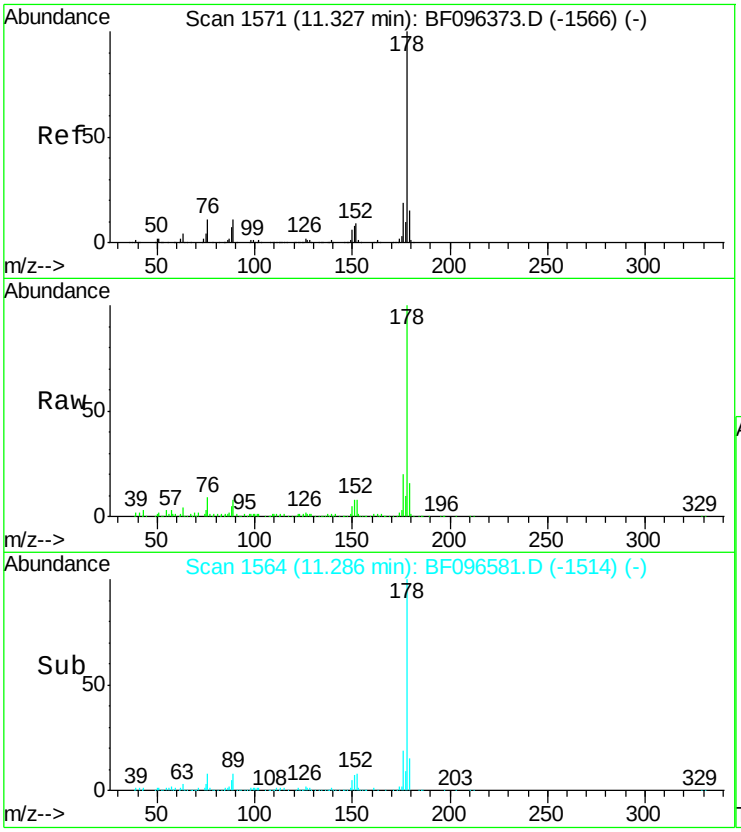


#70
Phenanthrene
Concen: 8.487 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:178 Resp: 114225

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.6	12.6	19.0

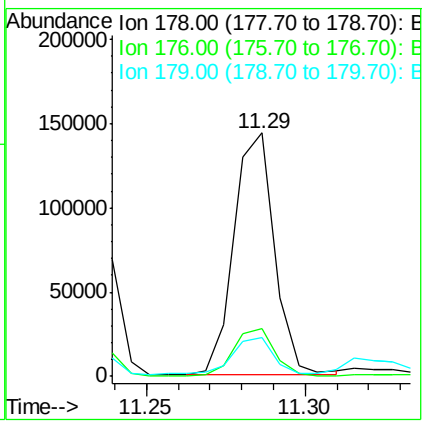




#71
Anthracene
Concen: 9.261 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:178 Resp: 127011

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.2	12.7	19.1



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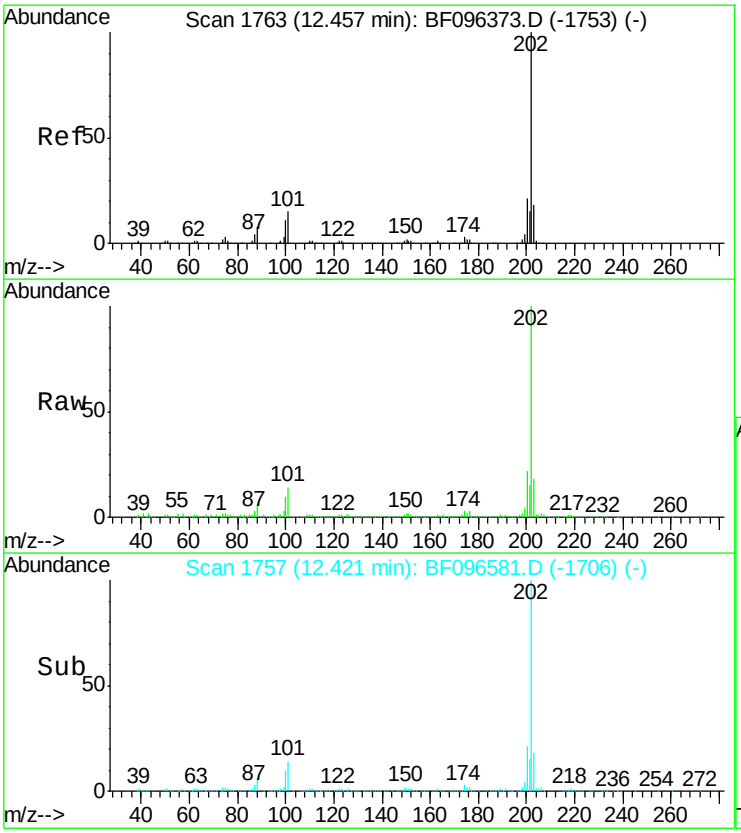
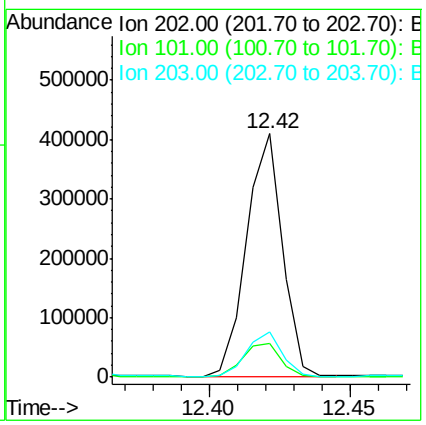
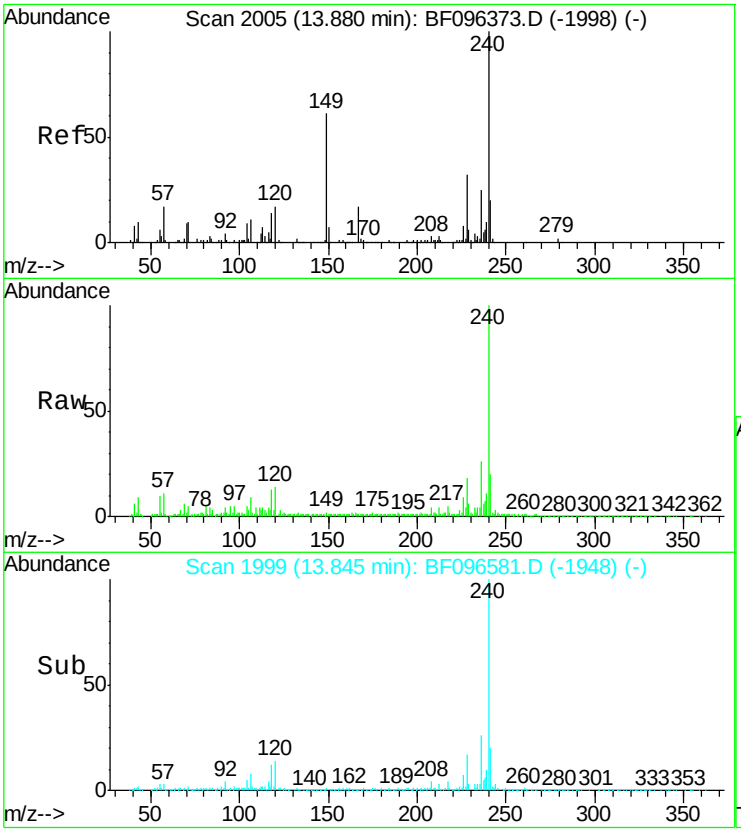


#74
Fluoranthene
Concen: 27.330 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:202 Resp: 360626

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	18.3	0.0	38.1

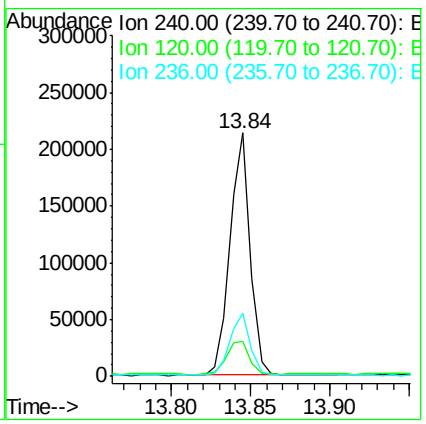




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

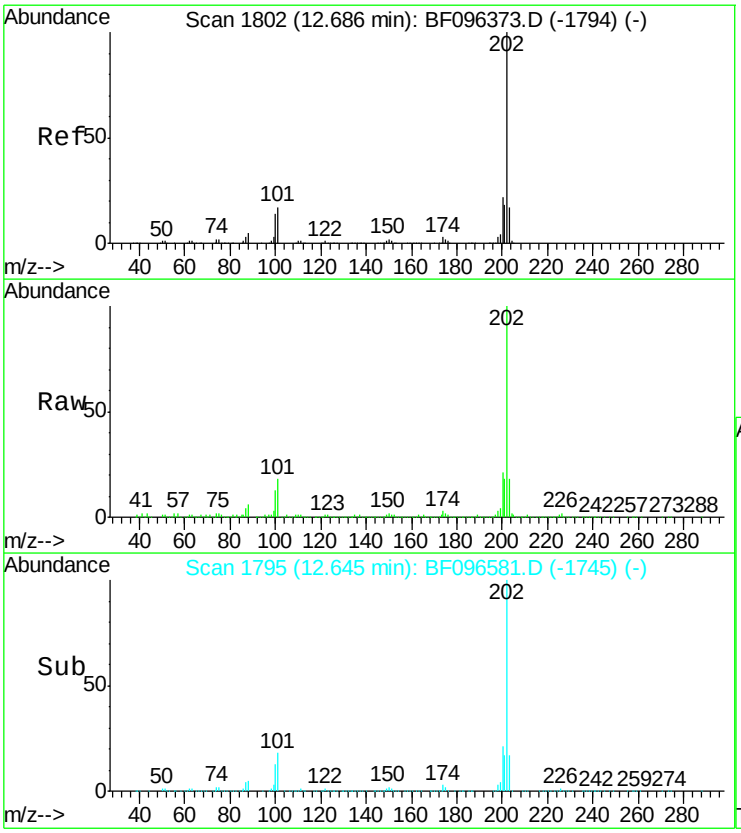
Tgt Ion:240 Resp: 188566

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	26.0	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

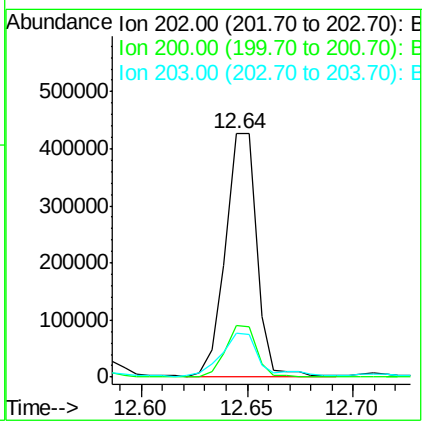
Manual Integrations APPROVED
mohammad
7/10/2017 2:23:11 PM

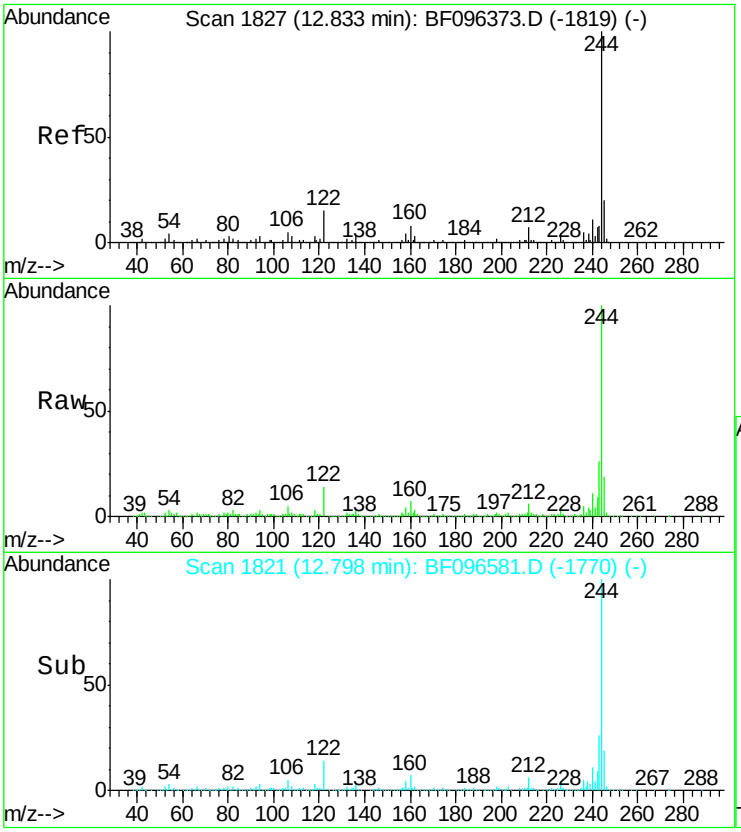


#77
Pyrene
Concen: 28.663 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:202 Resp: 433839

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.3	14.4	21.6

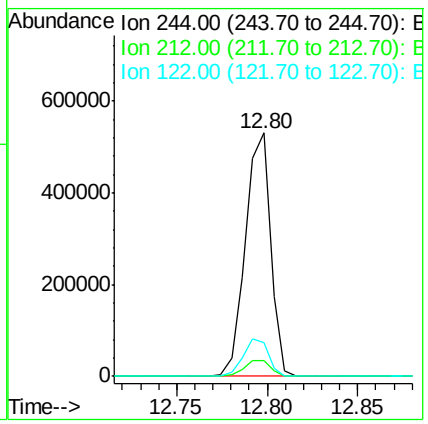




#78
Terphenyl-d14
Concen: 58.184 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:244 Resp: 513444

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	13.8	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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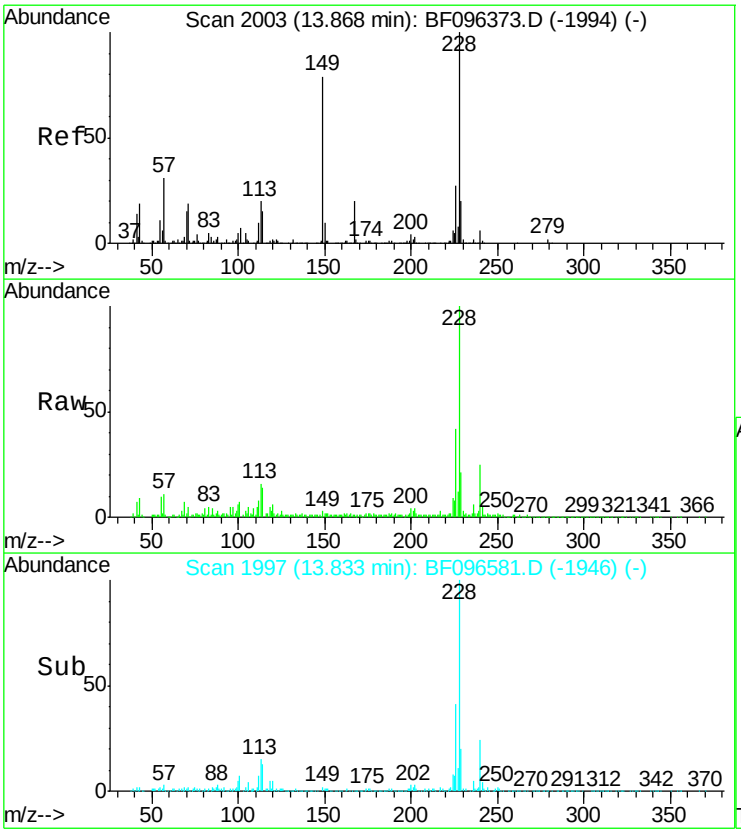
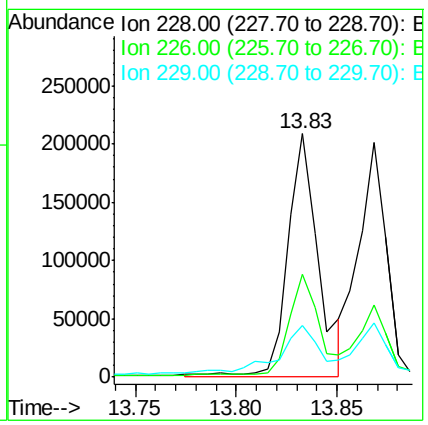
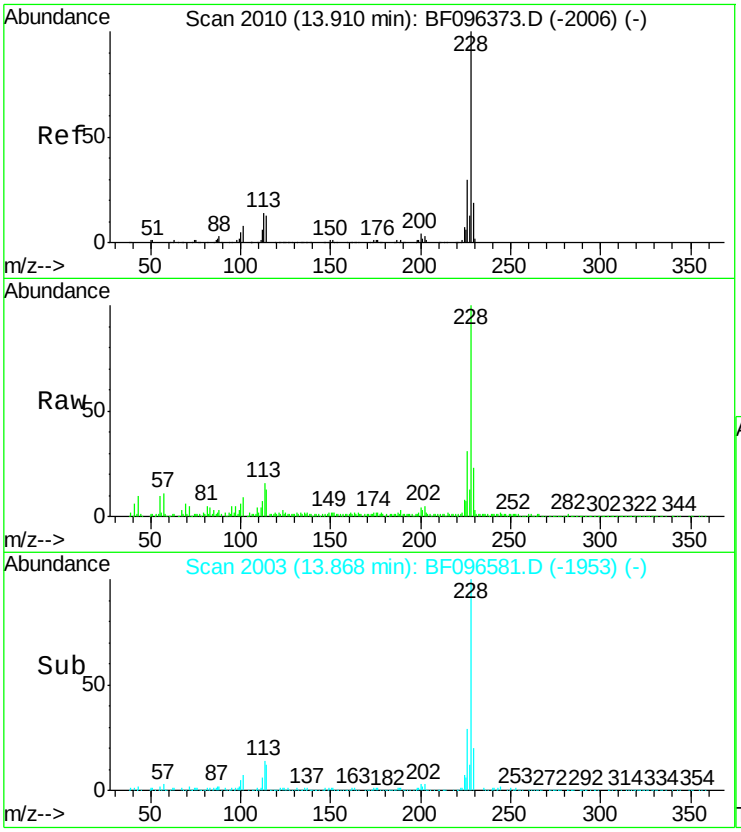


#80
Benzo(a)anthracene
Concen: 19.877 ng m
RT: 13.83 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:228 Resp: 217045

Ion	Ratio	Lower	Upper
228	100		
226	42.1	22.6	33.8#
229	21.1	16.3	24.5

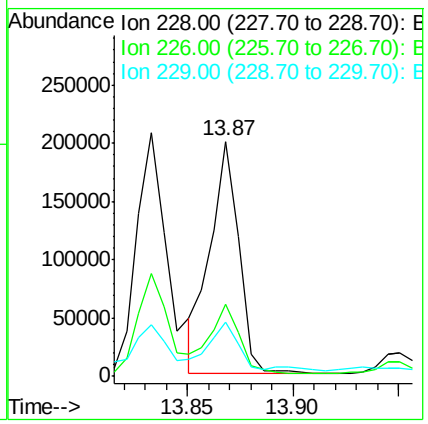




#82
Chrysene
Concen: 16.489 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:228 Resp: 188556

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SU-02-070517

Manual Integrations APPROVED
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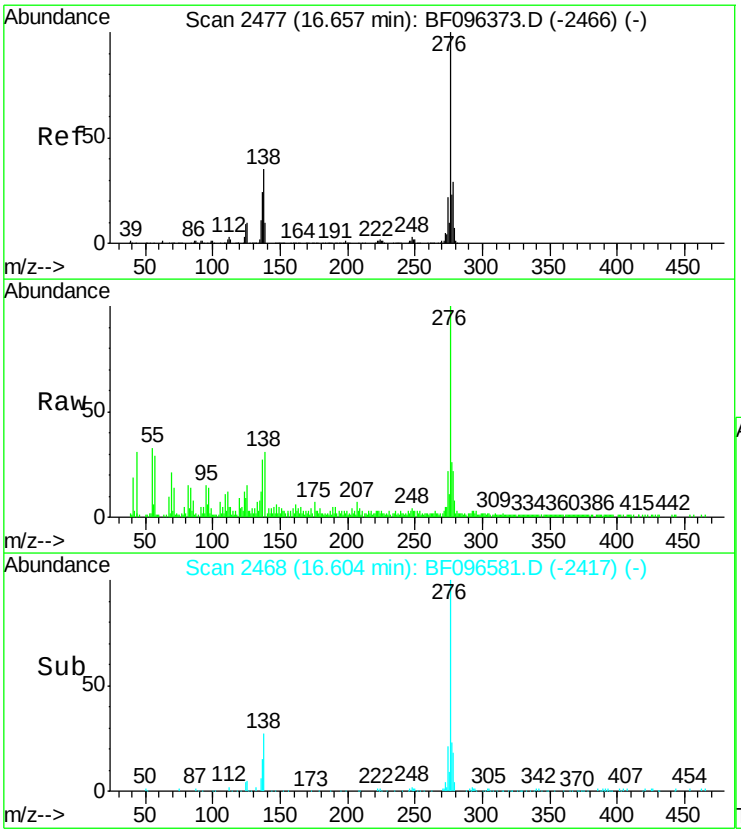
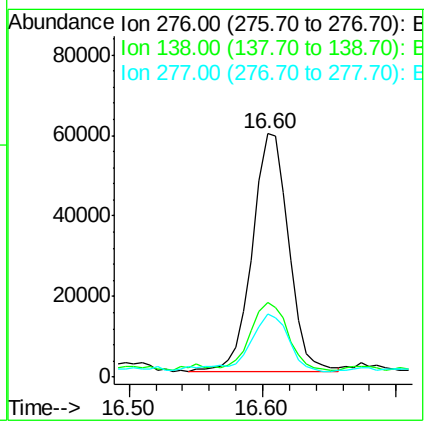
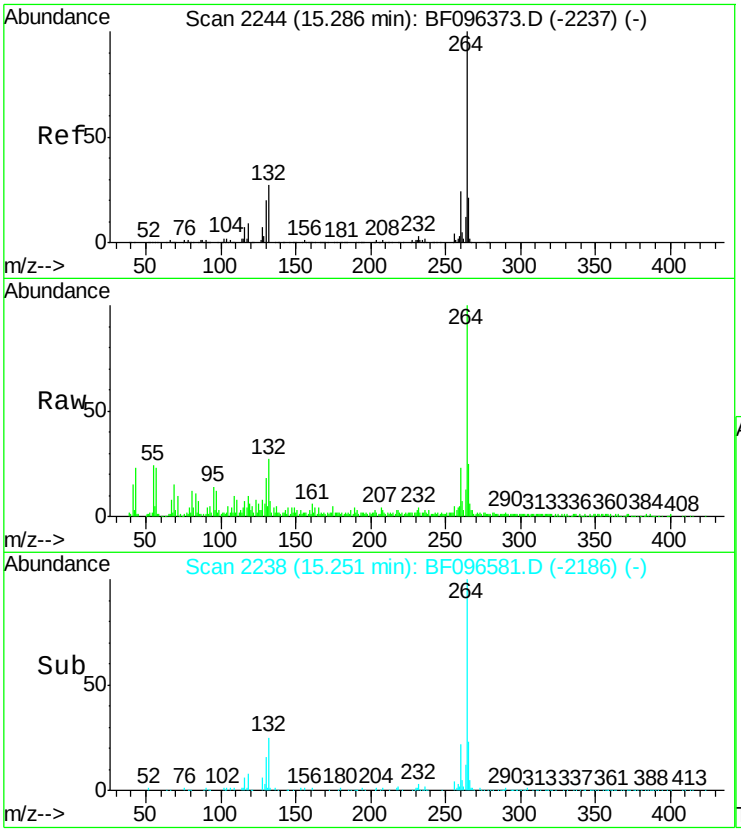


#85
Indeno(1,2,3-cd)pyrene
Concen: 12.325 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:276 Resp: 111247

Ion	Ratio	Lower	Upper
276	100		
138	29.7	27.8	41.6
277	26.5	20.2	30.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:264 Resp: 123871

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	24.6	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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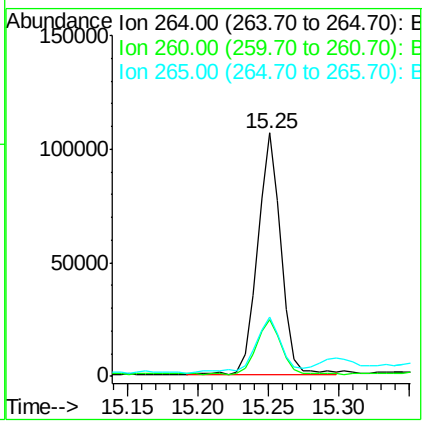
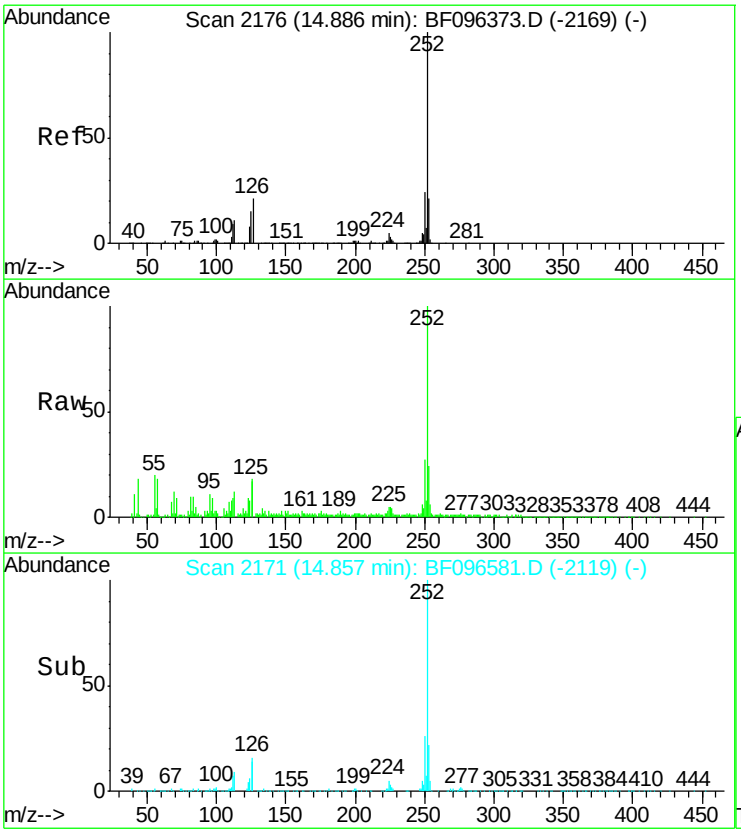
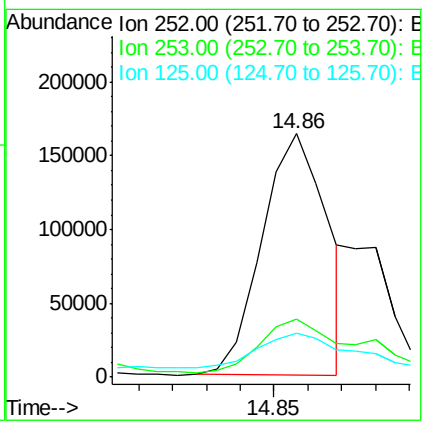


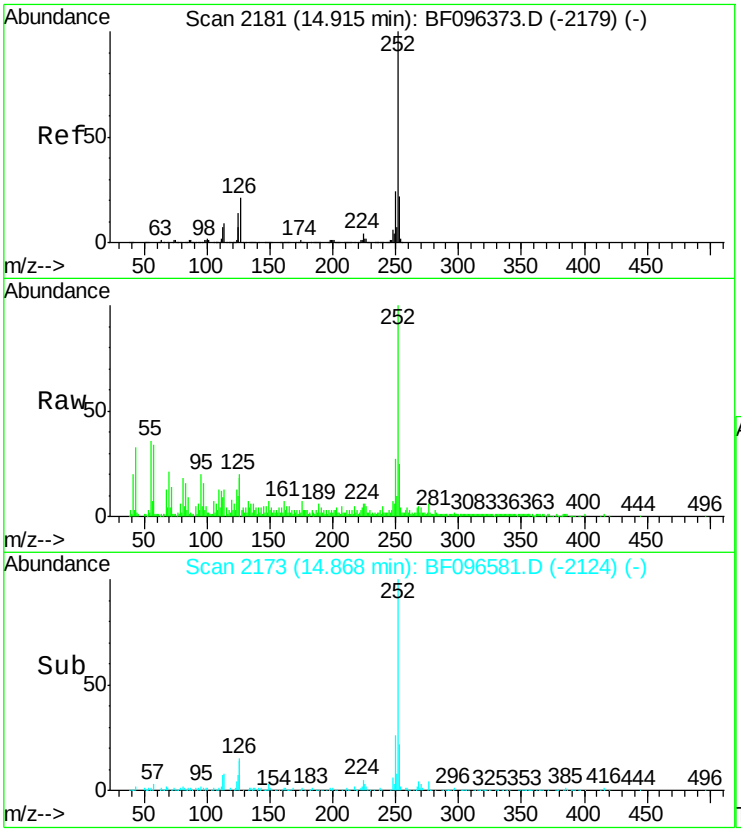


#87
Benzo(b)fluoranthene
Concen: 28.277 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:252 Resp: 219476

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	18.2	9.8	14.8#





#88
Benzo(k)fluoranthene
Concen: 11.742 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:252 Resp: 81527

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	20.5	13.1	19.7#

Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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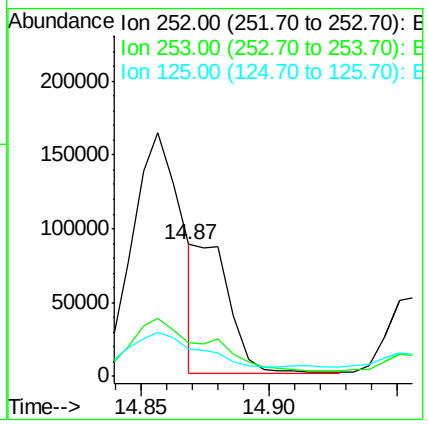
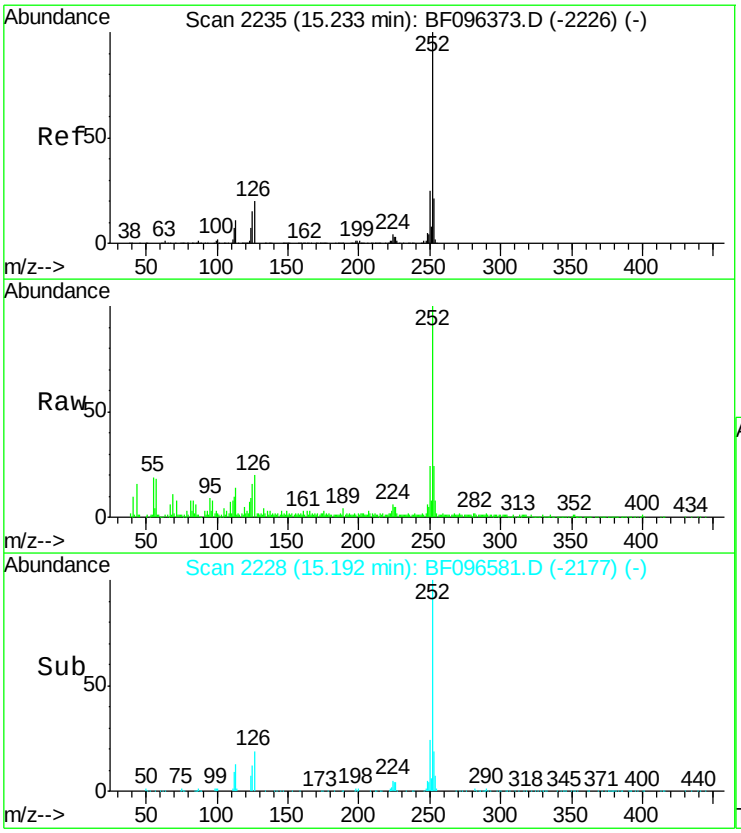
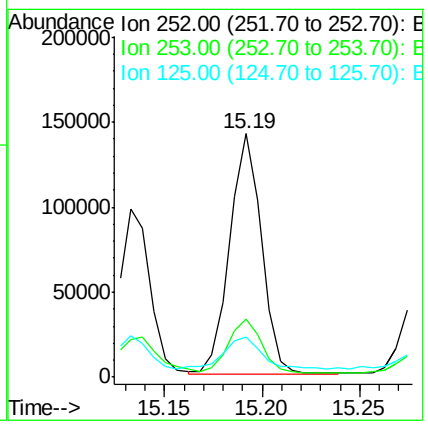


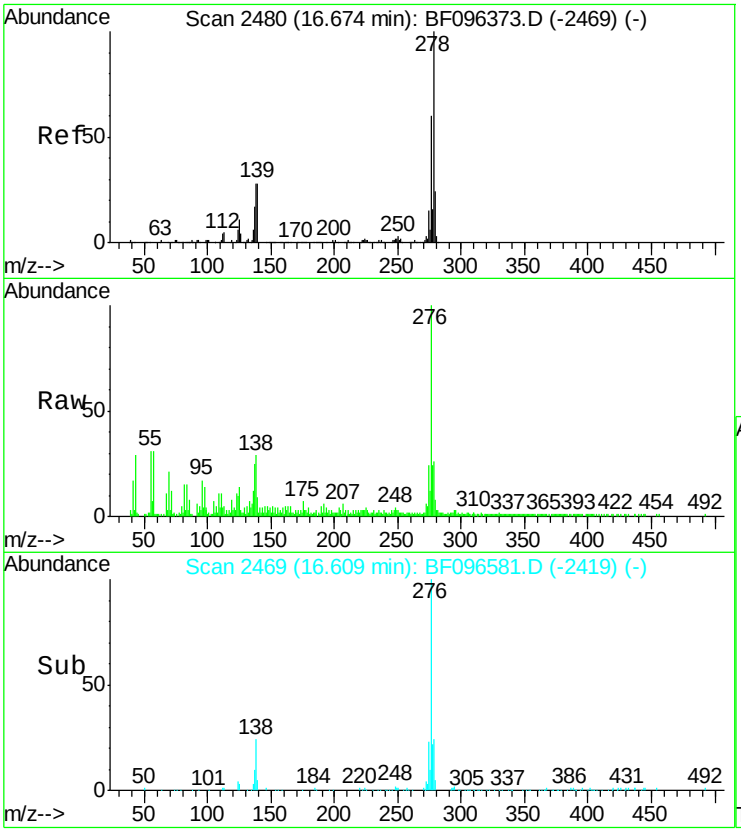


#89
Benzo(a)pyrene
Concen: 22.962 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:252 Resp: 159116

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	16.2	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 5.440 ng m
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:278 Resp: 29659

Ion	Ratio	Lower	Upper
278	100		
139	36.1	16.6	24.8#
279	32.0	19.3	28.9#

Instrument :
BNA_F
ClientSampleId :
SU-02-070517

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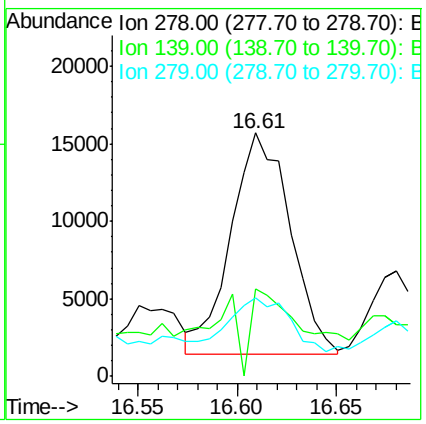

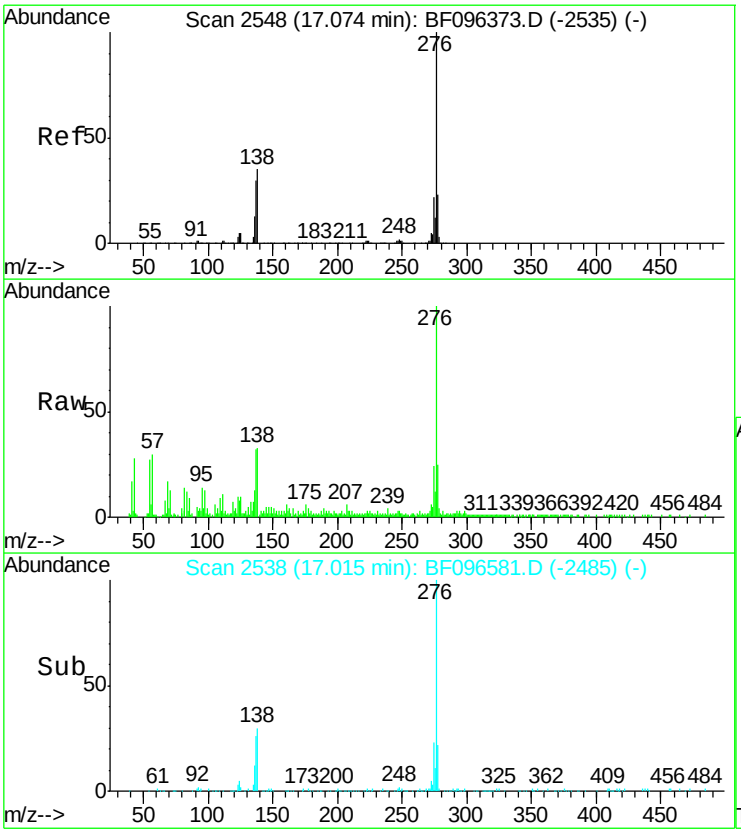

#91
Benzo(g,h,i)perylene
Concen: 24.232 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:276 Resp: 136885

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	32.7	25.4	38.0