Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096360.D
Acq On : 1 Jul 2017 2:24
Operator : SJ/MA
Sample : I3930-09
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-2-4

Manual Integrations APPROVED
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7/3/2017 11:37:47 AM

Quant Time: Jul 01 04:49:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	152160	20.00	ng		-0.02
21) Naphthalene-d8	8.04	136	578740	20.00	ng		-0.02
38) Acenaphthene-d10	9.79	164	206955	20.00	ng		-0.02
63) Phenanthrene-d10	11.27	188	311439	20.00	ng		-0.01
75) Chrysene-d12	13.90	240	308336	20.00	ng		-0.01
86) Perylene-d12	15.33	264	210308	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	882526	83.56	ng		0.00
7) Phenol-d6	6.39	99	1042421	81.51	ng		0.00
23) Nitrobenzene-d5	7.32	82	589471	70.51	ng		-0.04
41) 2,4,6-Tribromophenol	10.57	330	172901	106.16	ng		-0.02
44) 2-Fluorobiphenyl	9.12	172	876412	77.55	ng		-0.03
78) Terphenyl-d14	12.86	244	636903	51.54	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.51	163	120775	8.15	ng		97
74) Fluoranthene	12.48	202	155177	8.97	ng		97
77) Pyrene	12.71	202	148245	5.85	ng		99
80) Benzo(a)anthracene	13.89	228	77179	4.11	ng		96
82) Chrysene	13.93	228	91272m	4.70	ng		
85) Indeno(1,2,3-cd)pyrene	16.70	276	38294	2.37	ng		98
87) Benzo(b)fluoranthene	14.92	252	94605m	6.85	ng		
88) Benzo(k)fluoranthene	14.94	252	30268m	2.40	ng		
89) Benzo(a)pyrene	15.26	252	55801	4.57	ng	#	88
91) Benzo(g,h,i)perylene	17.12	276	40094	4.04	ng		95

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096360.D
Acq On : 1 Jul 2017 2:24
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Sample : I3930-09
Misc :
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Instrument :
BNA_F
ClientSampleId :
B3-2-4

Manual Integrations APPROVED
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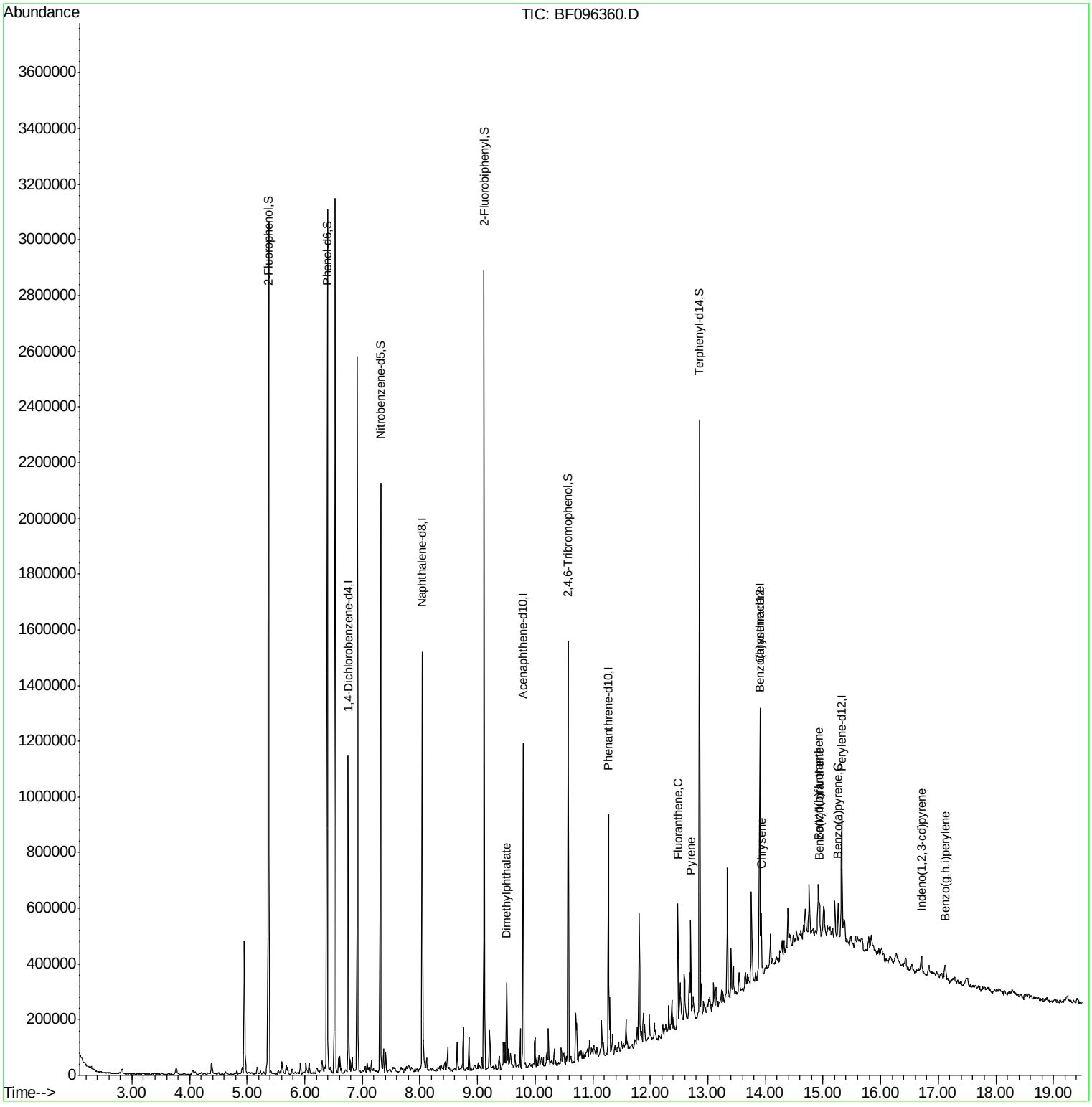
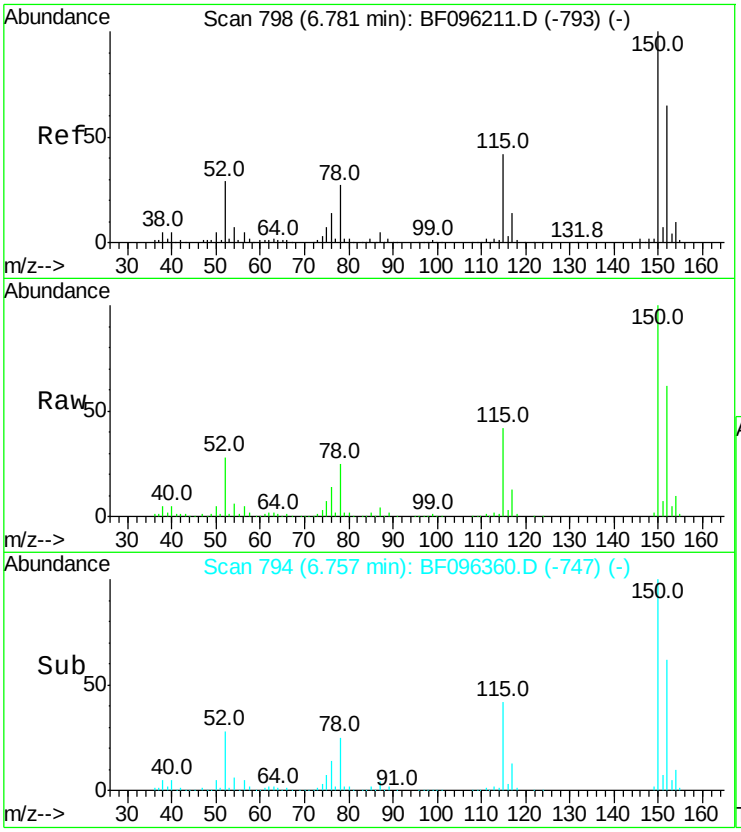
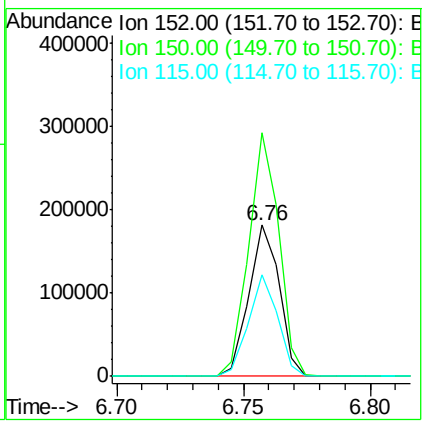




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:152 Resp: 152160

Ion	Ratio	Lower	Upper
152	100		
150	161.2	126.2	189.2
115	67.5	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
B3-2-4

Manual Integrations APPROVED
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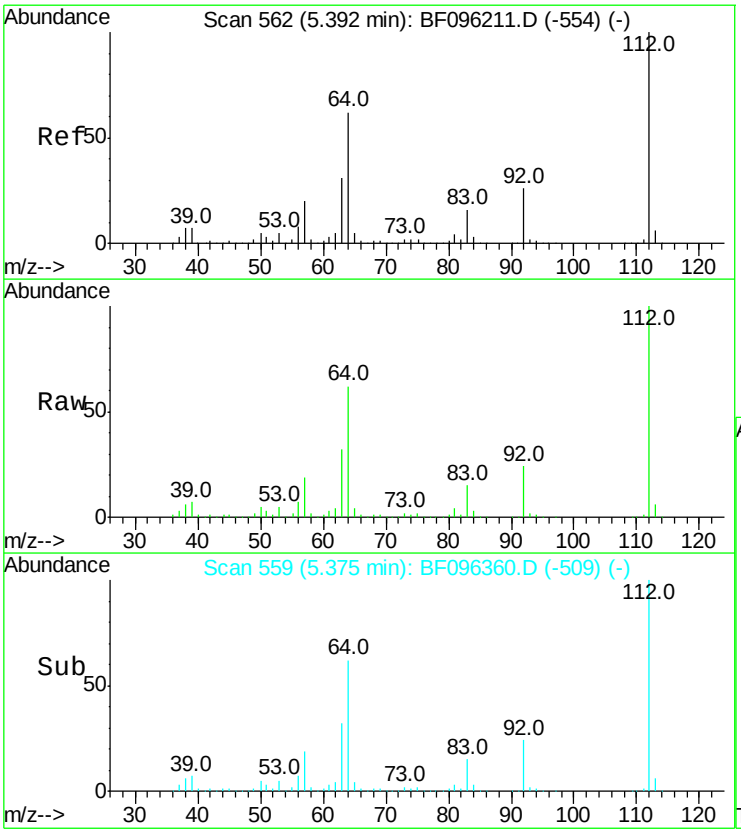
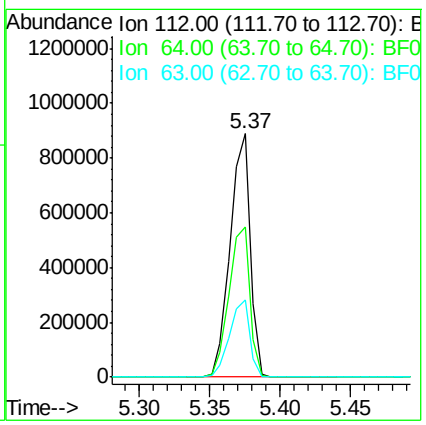
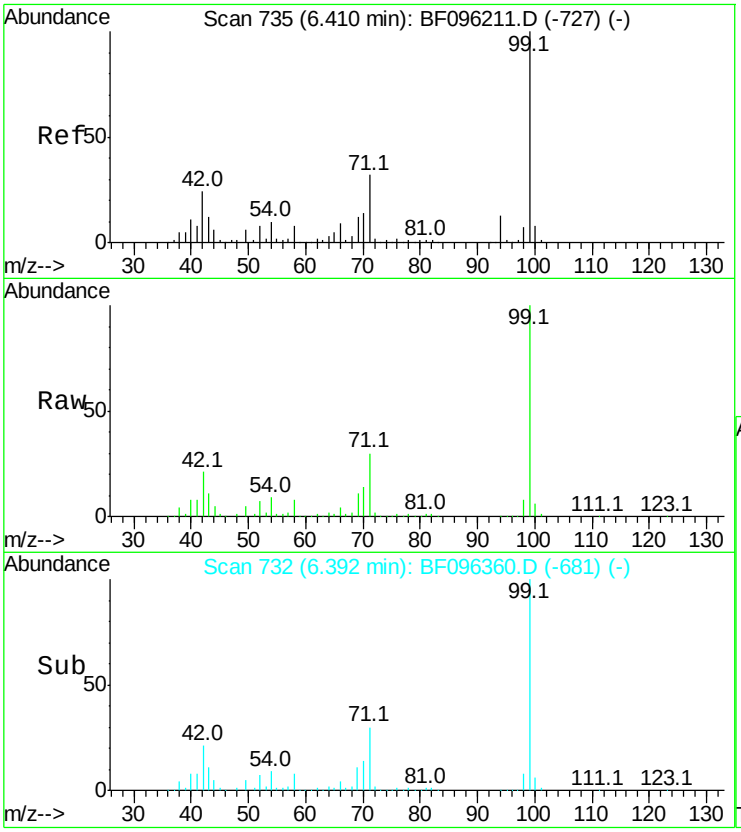


#5
2-Fluorophenol
Concen: 83.56 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:112 Resp: 882526

Ion	Ratio	Lower	Upper
112	100		
64	61.7	46.0	69.0
63	31.8	23.4	35.0

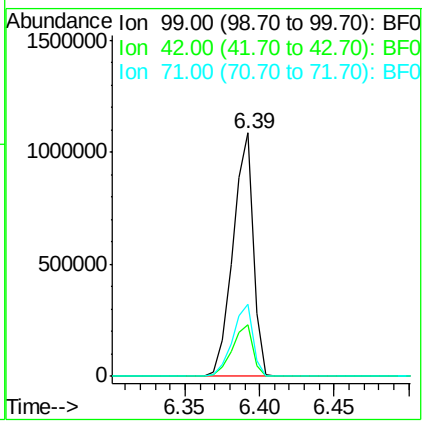




#7
Phenol-d6
Concen: 81.51 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion: 99 Resp: 1042421

Ion	Ratio	Lower	Upper
99	100		
42	21.1	13.5	20.3#
71	29.8	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
B3-2-4

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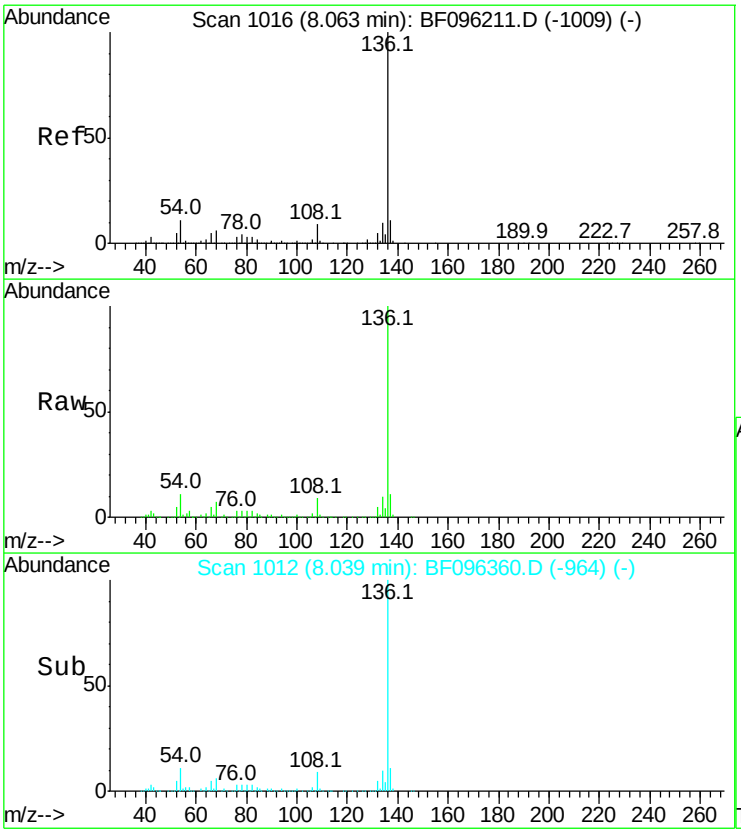
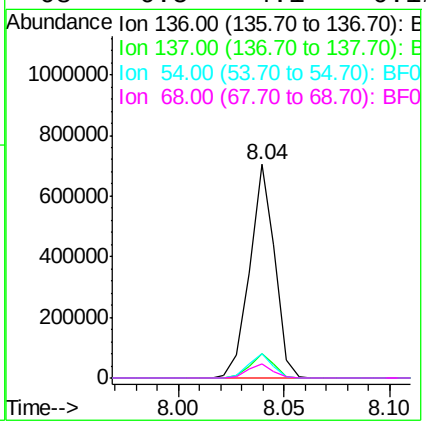
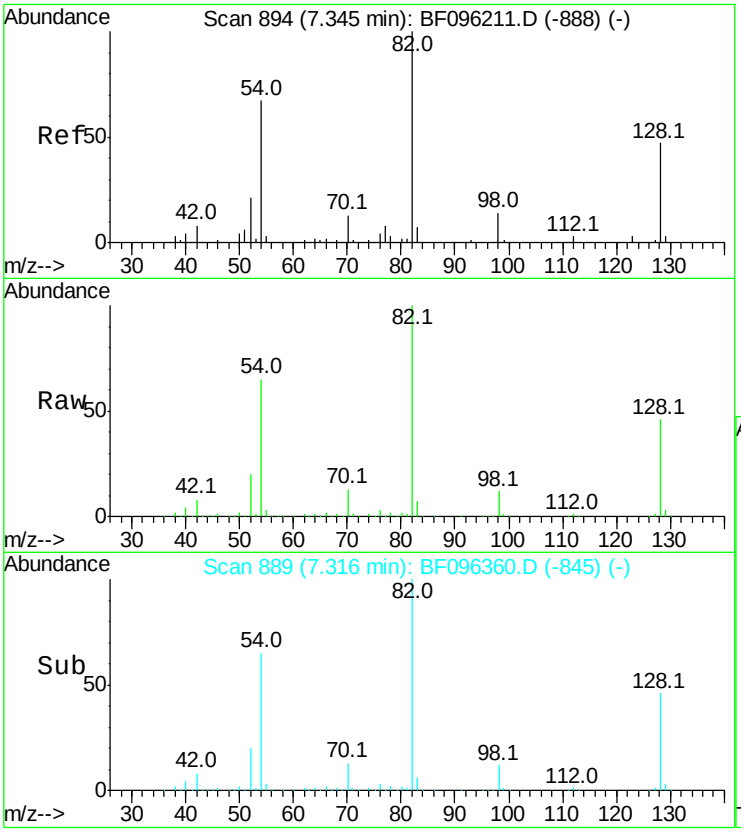


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:136 Resp: 578740

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	11.2	4.9	7.3#
68	6.5	4.1	6.1#

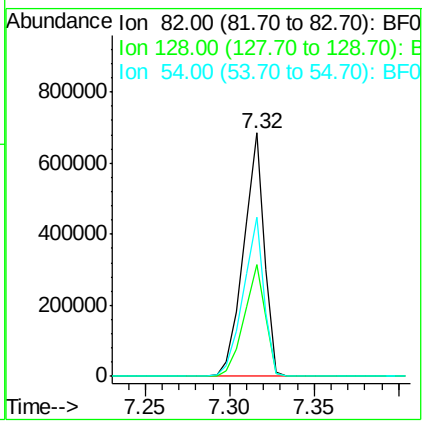




#23
Nitrobenzene-d5
Concen: 70.51 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.04 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion: 82 Resp: 589471

Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	65.4	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
B3-2-4

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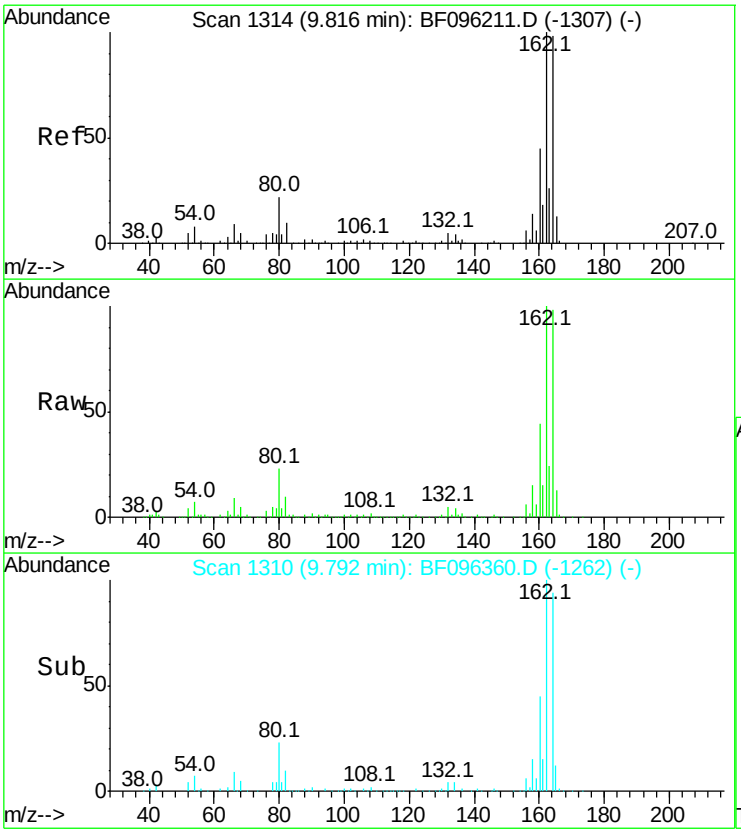
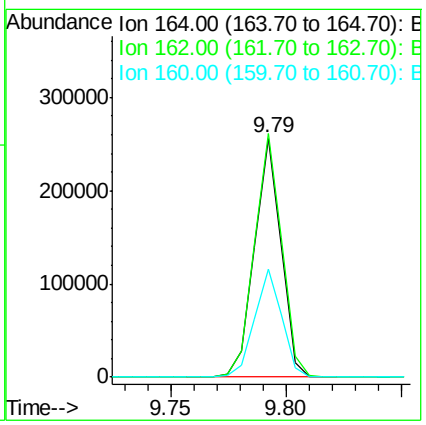
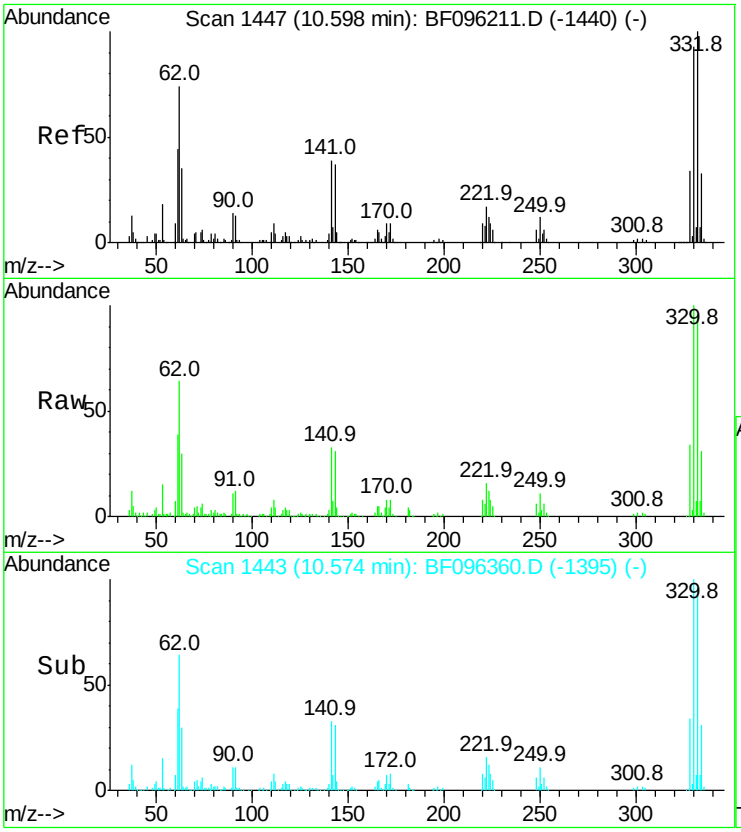


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:164 Resp: 206955

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	45.3	36.2	54.2





#41
2,4,6-Tribromophenol
Concen: 106.16 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:330 Resp: 172901

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	30.7	31.4	47.2#

Instrument :
BNA_F
ClientSampleId :
B3-2-4

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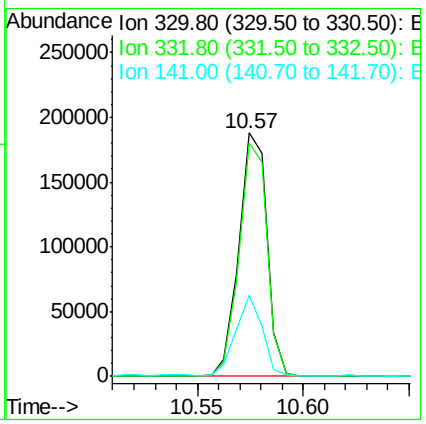
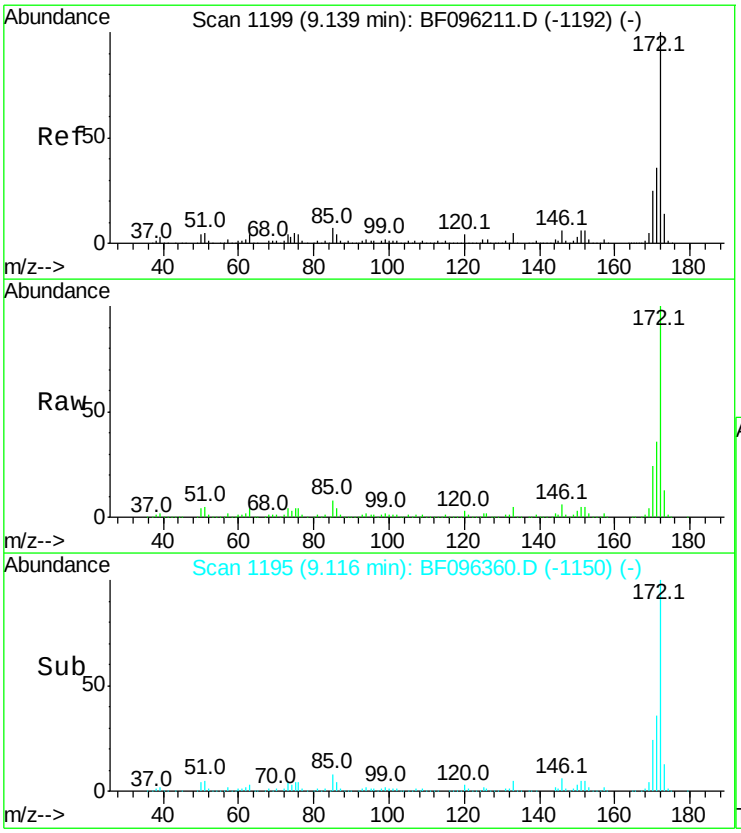
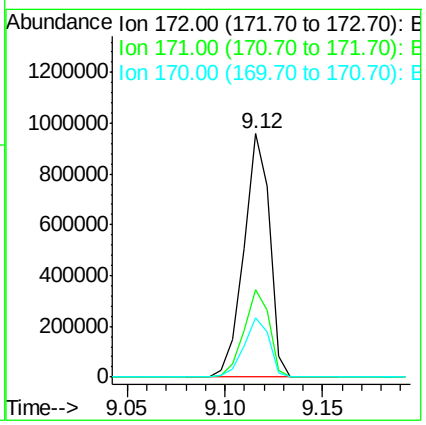


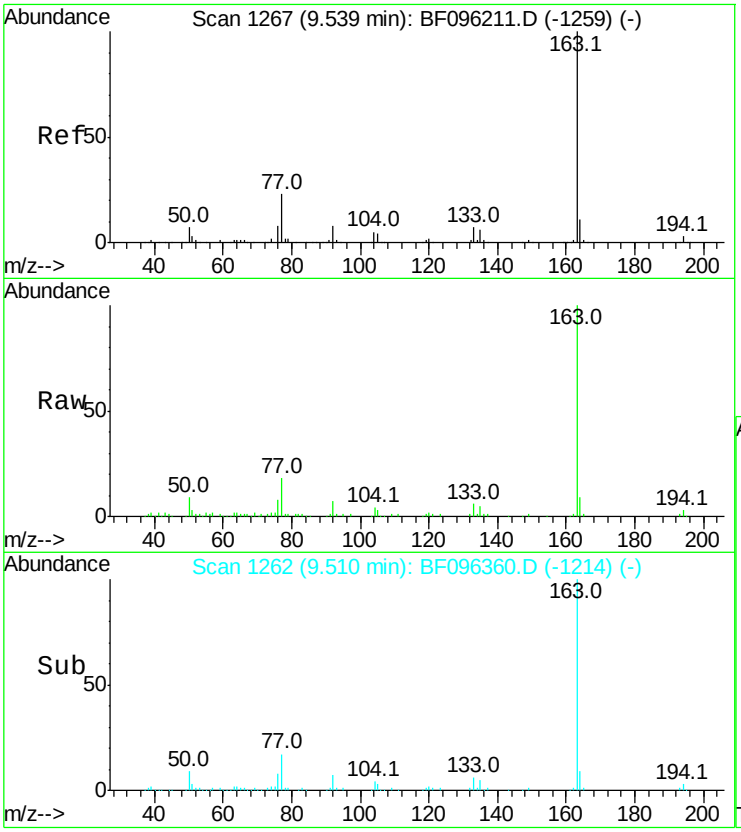


#44
2-Fluorobiphenyl
Concen: 77.55 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.03 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:172 Resp: 876412

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.2	19.8	29.8

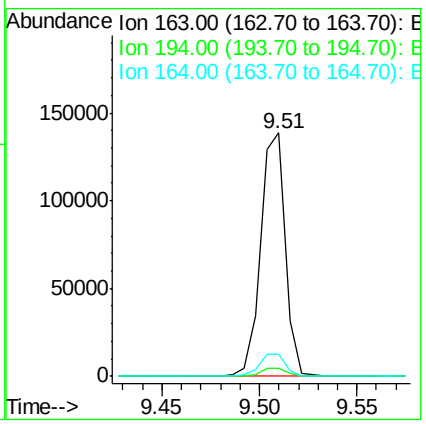




#49
Dimethylphthalate
Concen: 8.15 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:163 Resp: 120775

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
B3-2-4

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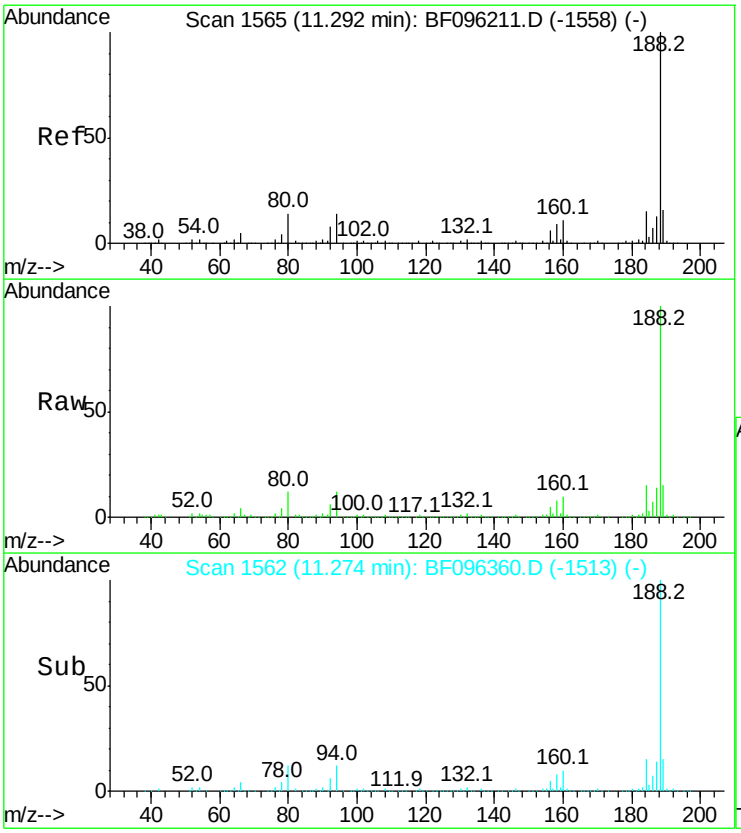
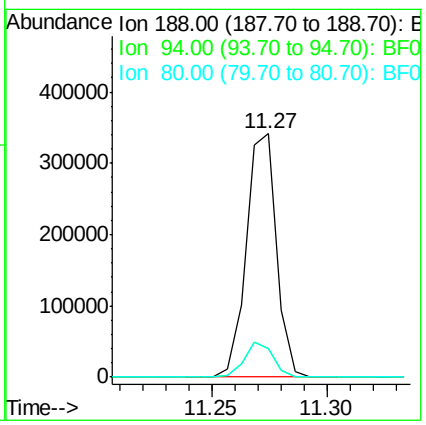
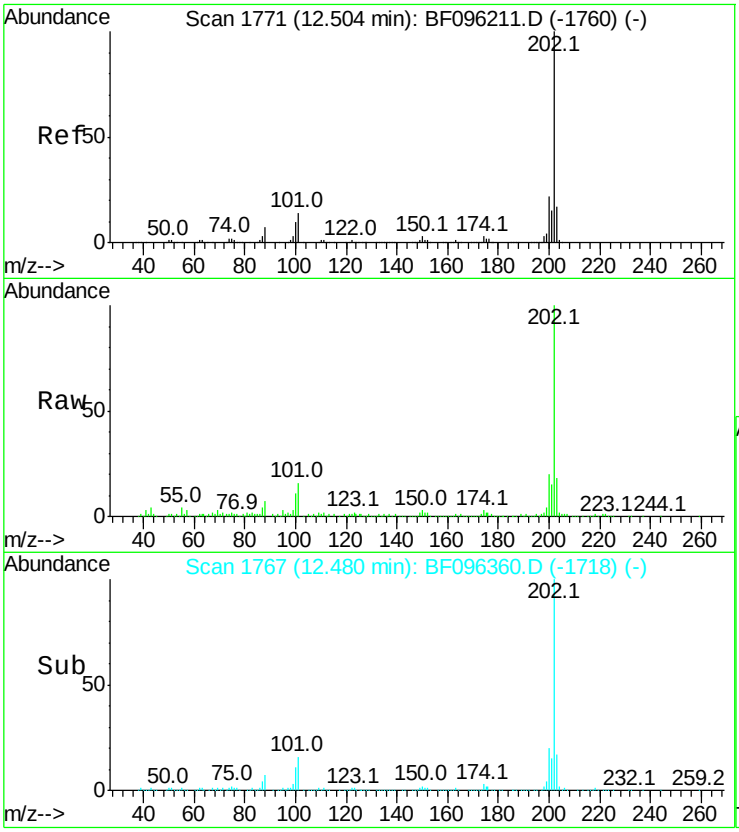


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:188 Resp: 311439

Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.4	14.2
80	11.7	10.2	15.2

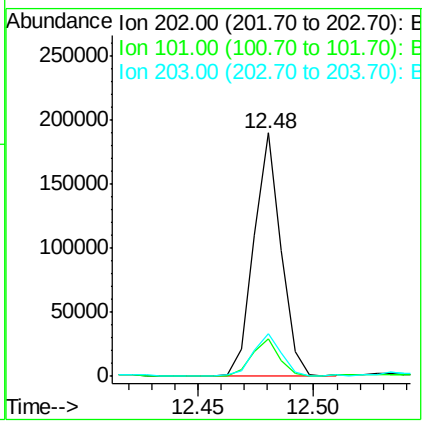




#74
Fluoranthene
Concen: 8.97 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:202 Resp: 155177

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	33.2
203	17.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
B3-2-4

Manual Integrations APPROVED
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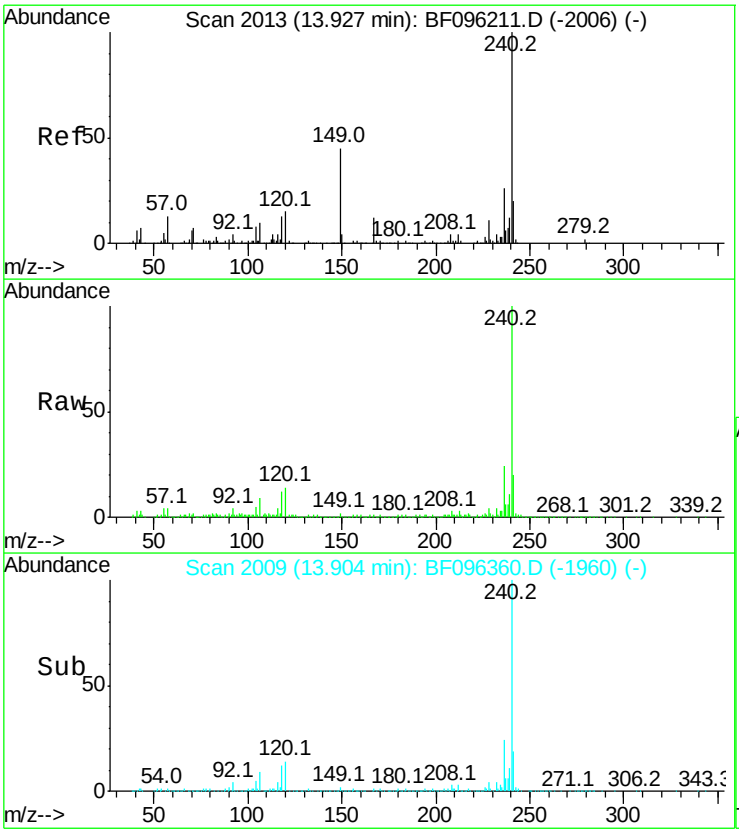
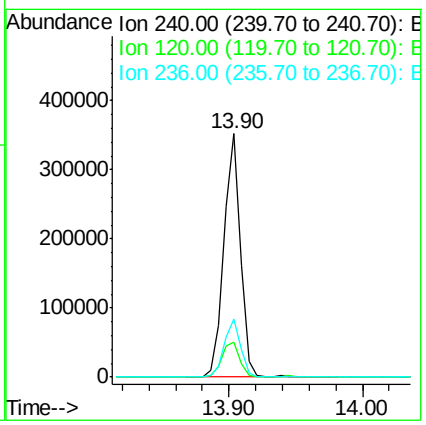
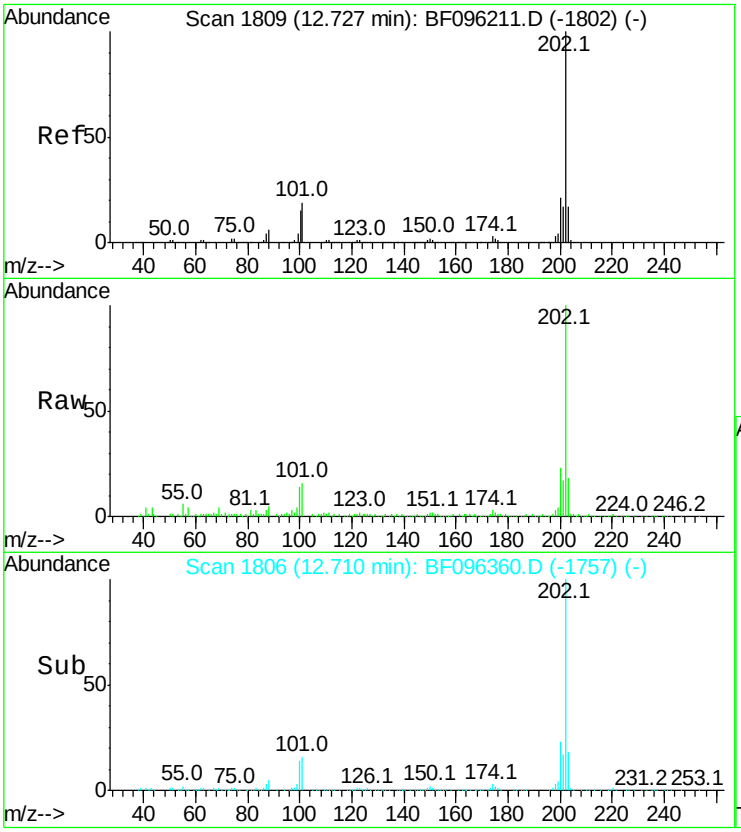


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:240 Resp: 308336

Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	23.8	20.5	30.7

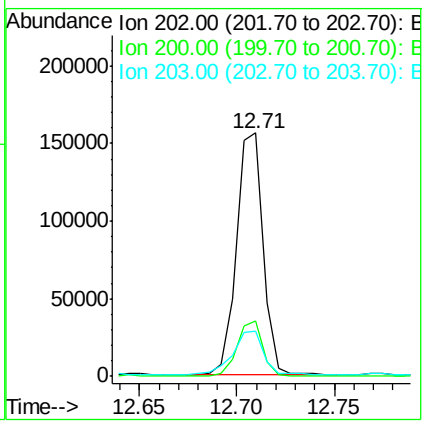




#77
Pyrene
Concen: 5.85 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:202 Resp: 148245

Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.6	26.4
203	18.5	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
B3-2-4

Manual Integrations APPROVED
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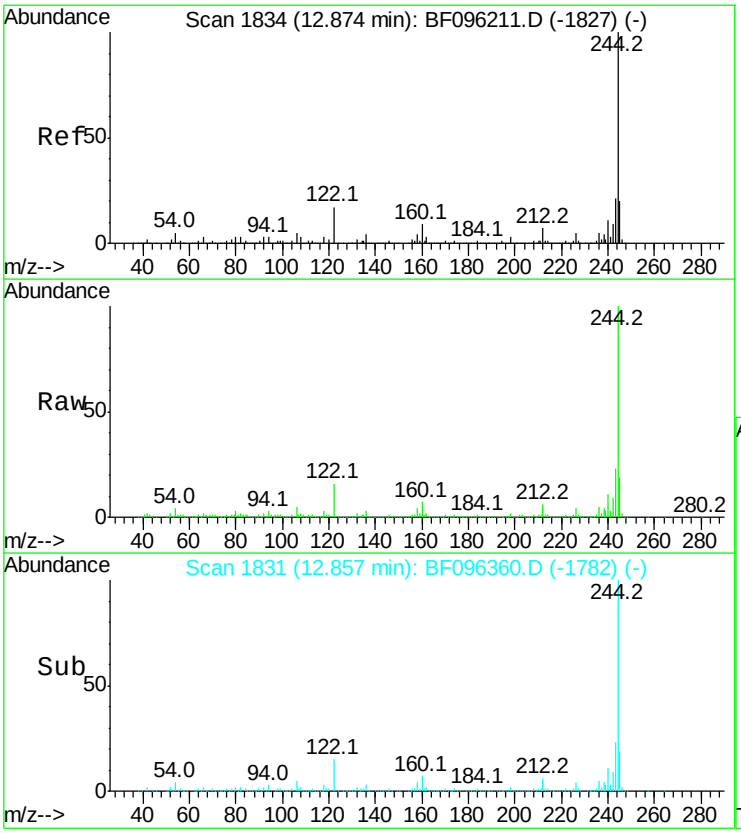
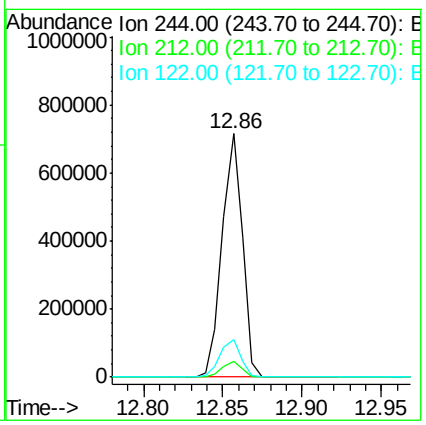
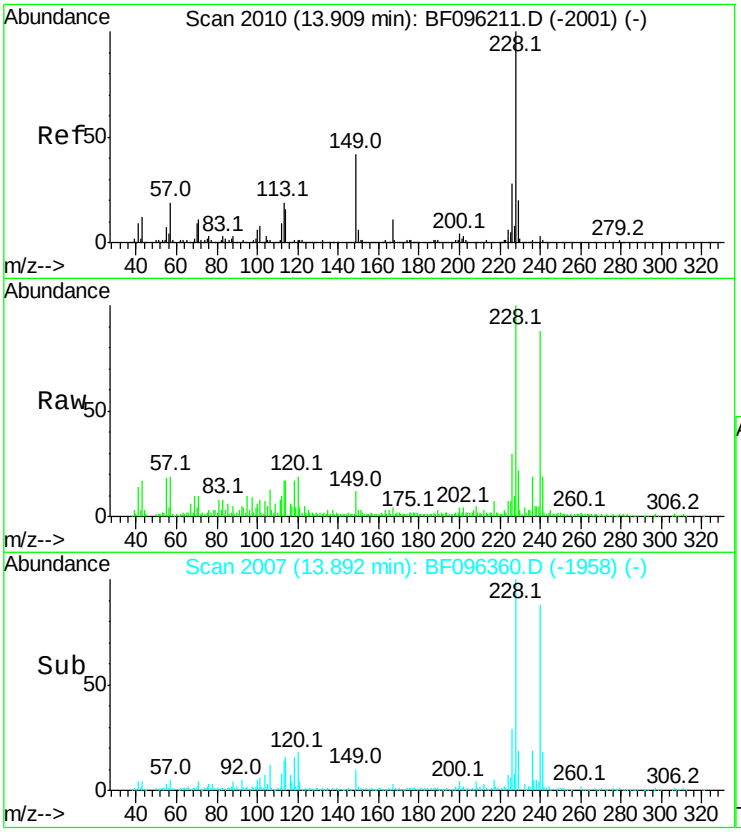


#78
Terphenyl-d14
Concen: 51.54 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:244 Resp: 636903

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	15.6	10.3	15.5#

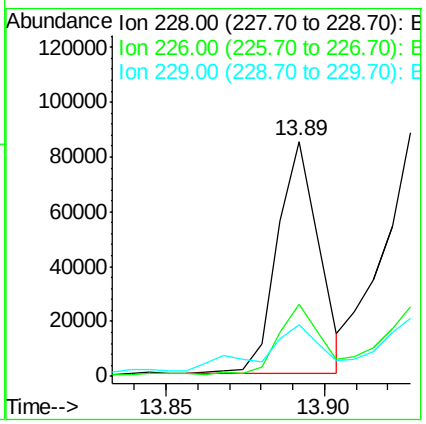




#80
Benzo(a)anthracene
Concen: 4.11 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:228 Resp: 77179

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	21.9	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
B3-2-4

Manual Integrations APPROVED
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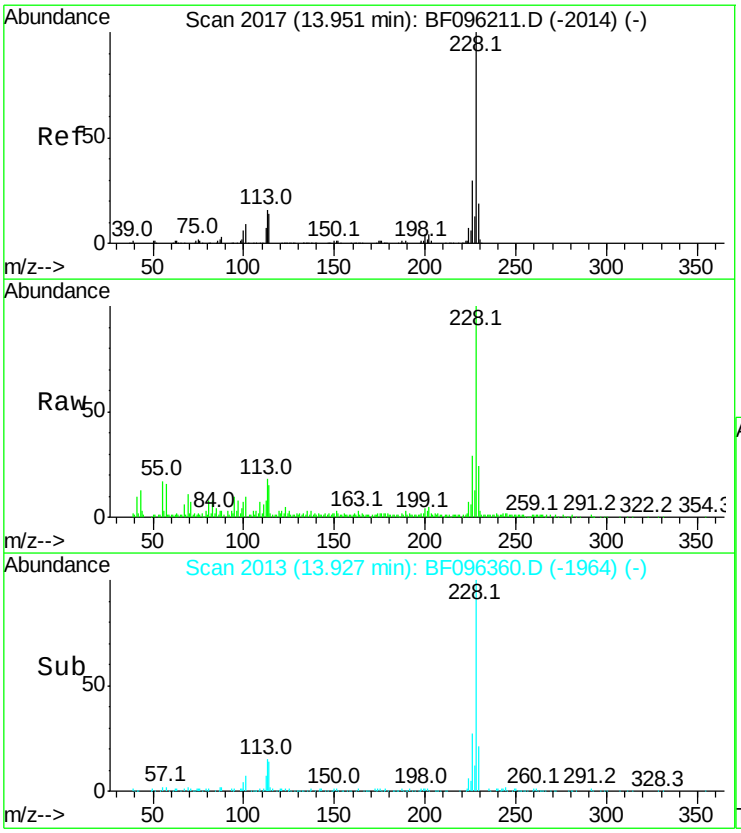
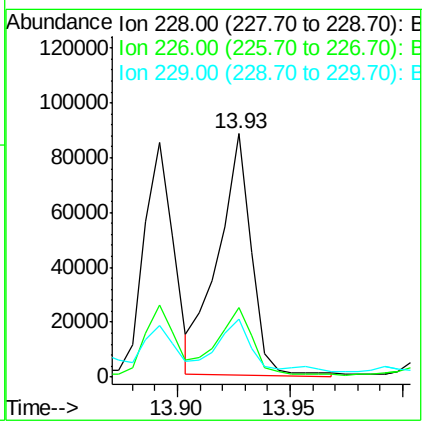
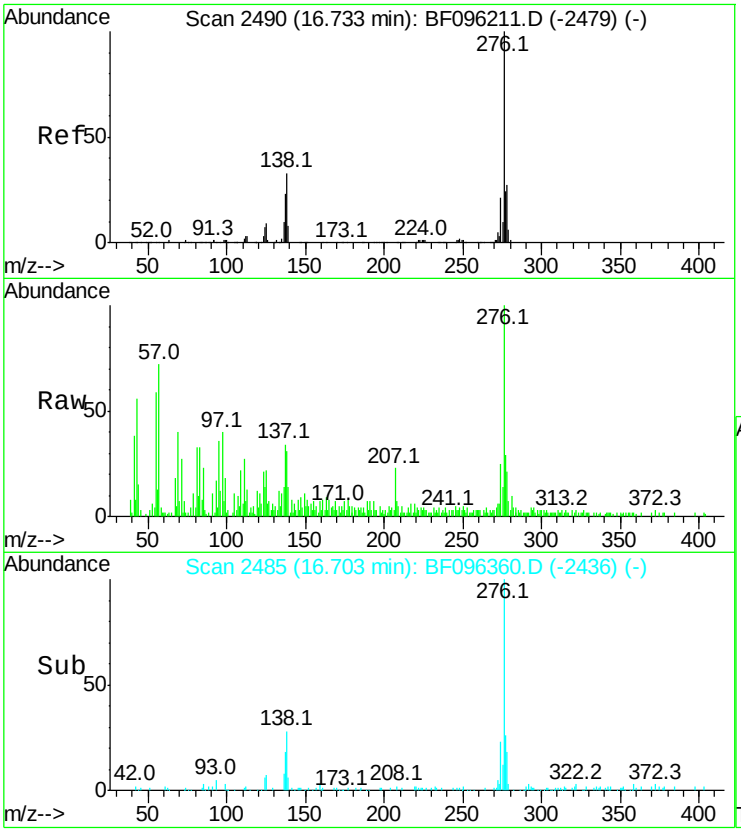


#82
Chrysene
Concen: 4.70 ng m
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:228 Resp: 91272

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	23.9	15.8	23.6#

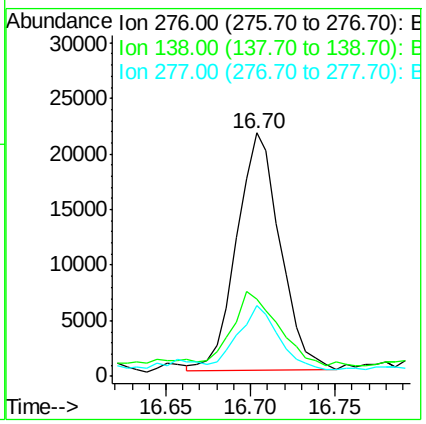




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.37 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:276 Resp: 38294

Ion	Ratio	Lower	Upper
276	100		
138	32.8	27.8	41.6
277	25.2	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
B3-2-4

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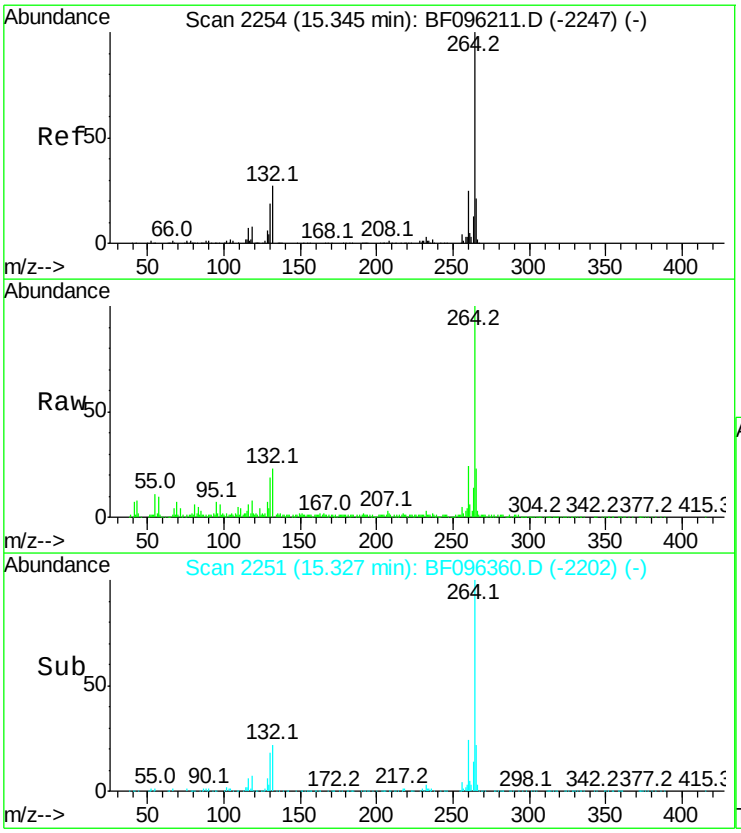
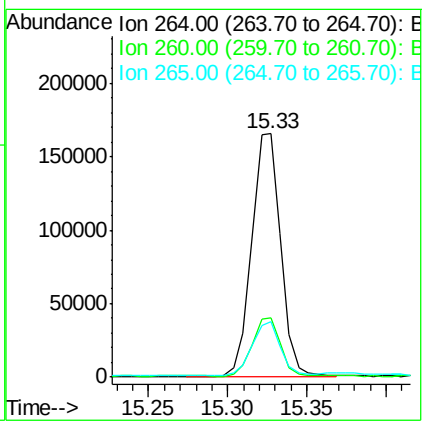
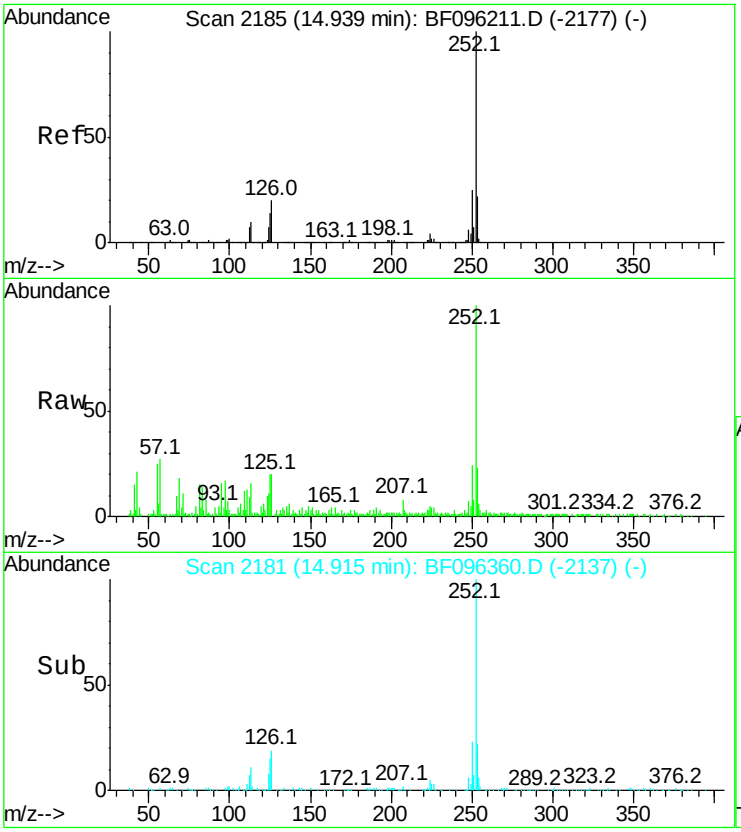


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:264 Resp: 210308

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.6	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 6.85 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:252 Resp: 94605

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	19.9	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
B3-2-4

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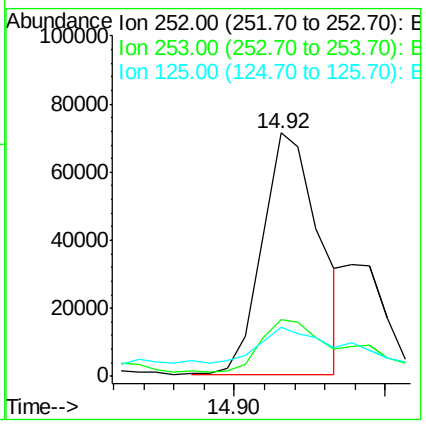
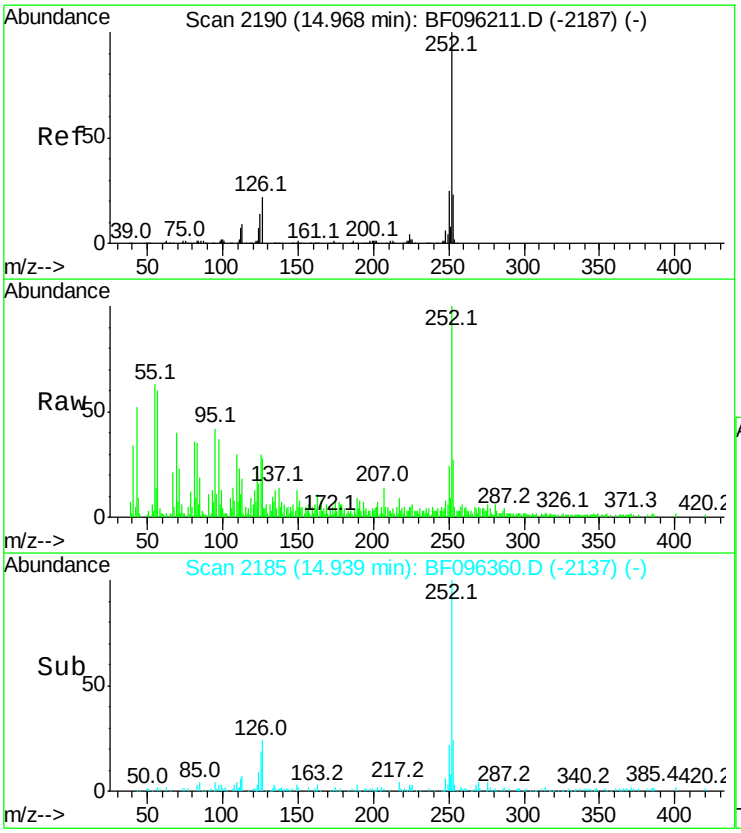
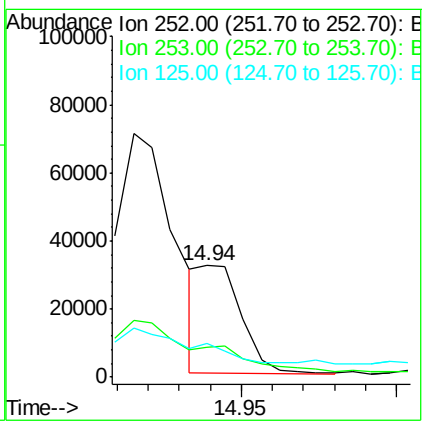


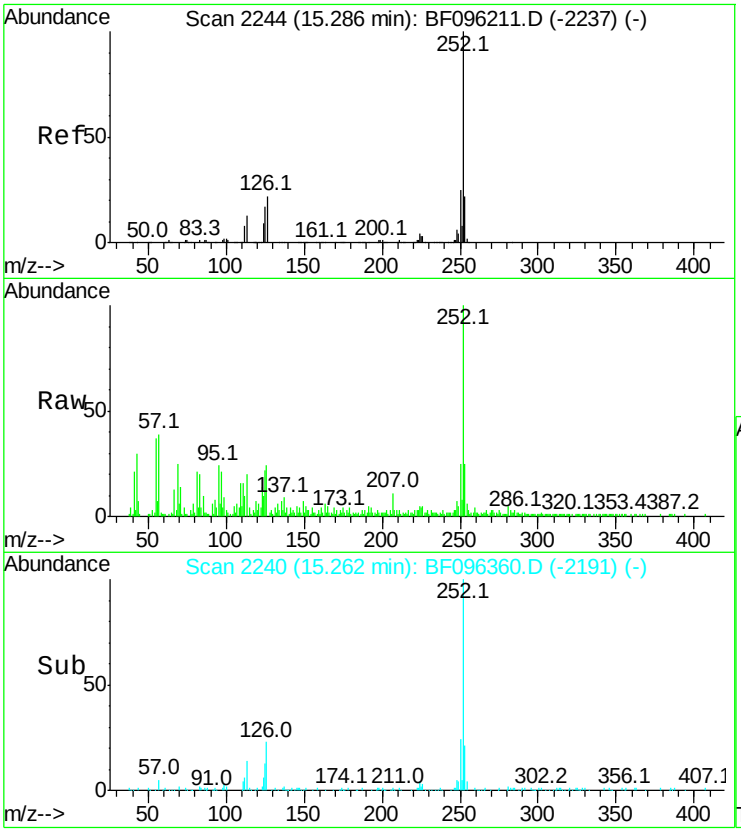


#88
Benzo(k)fluoranthene
Concen: 2.40 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:252 Resp: 30268

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.4	27.6
125	29.9	13.1	19.7#

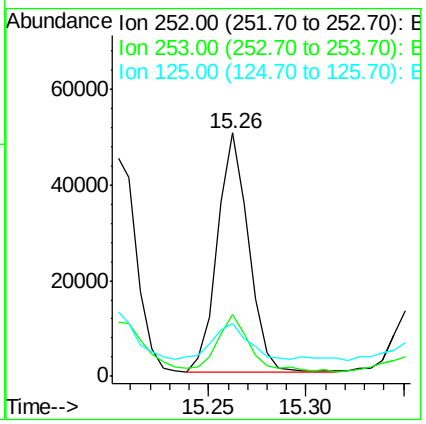




#89
Benzo(a)pyrene
Concen: 4.57 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:252 Resp: 55801

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	21.7	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
B3-2-4

Manual Integrations APPROVED
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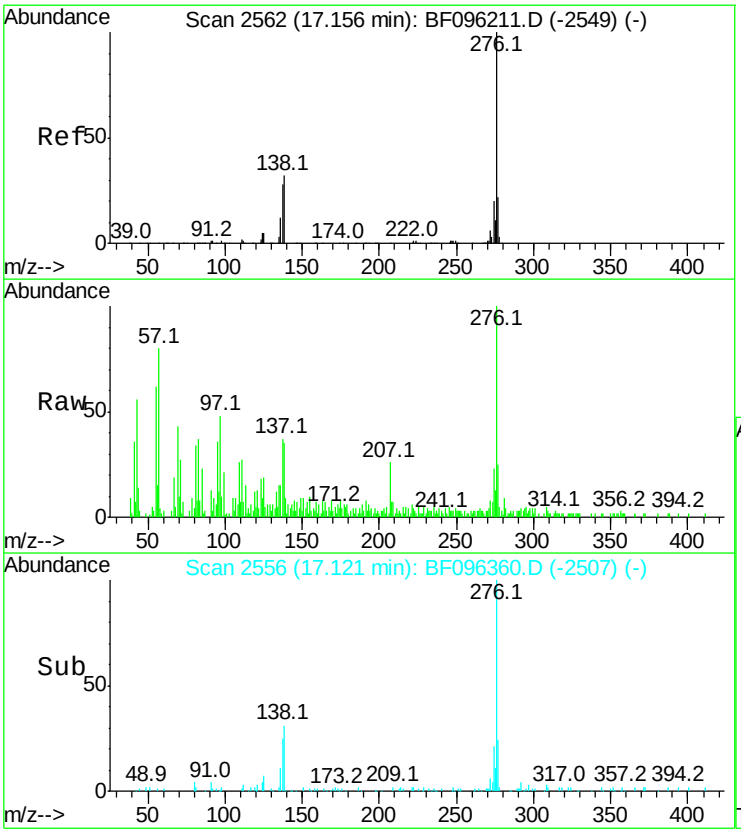

#91
Benzo(g,h,i)perylene
Concen: 4.04 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF096360.D
Acq: 1 Jul 2017 2:24

Tgt Ion:276 Resp: 40094

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	34.8	25.4	38.0