Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF088003.D
Acq On : 14 Jun 2016 12:08
Operator : UM/SJ
Sample : H3419-05DL 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T6-B2(6-12)CDL

Manual Integrations APPROVED
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6/14/2016 7:49:19 PM

Quant Time: Jun 14 14:43:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116213	20.00	ng		0.01
21) Naphthalene-d8	8.08	136	440375	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	201311	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	304464	20.00	ng		0.01
75) Chrysene-d12	13.95	240	232512	20.00	ng		0.00
86) Perylene-d12	15.37	264	209309	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	395909	58.24	ng		0.00
7) Phenol-d6	6.43	99	570225	69.21	ng		0.00
23) Nitrobenzene-d5	7.36	82	319789	42.40	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	93417	43.95	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	525690	37.96	ng		0.00
78) Terphenyl-d14	12.90	244	306584	30.00	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.55	163	59573	4.09	ng		99
57) Fluorene	10.38	166	53632	Below Cal		#	98
70) Phenanthrene	11.35	178	818251	51.22	ng		99
71) Anthracene	11.39	178	234299	14.54	ng		99
74) Fluoranthene	12.54	202	1003069	59.49	ng		96
77) Pyrene	12.77	202	892310	51.72	ng		100
80) Benzo(a)anthracene	13.94	228	504533	38.08	ng		98
82) Chrysene	13.98	228	354087m	28.41	ng		
85) Indeno(1,2,3-cd)pyrene	16.73	276	144642	12.49	ng	#	100
87) Benzo(b)fluoranthene	14.97	252	424319m	29.09	ng		
88) Benzo(k)fluoranthene	14.99	252	147045m	13.36	ng		
89) Benzo(a)pyrene	15.31	252	268086	22.71	ng	#	95
90) Dibenzo(a,h)anthracene	16.73	278	38094m	3.47	ng		
91) Benzo(g,h,i)perylene	17.14	276	125381	11.12	ng		95

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

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QLast Update : Mon Jun 13 14:10:49 2016
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Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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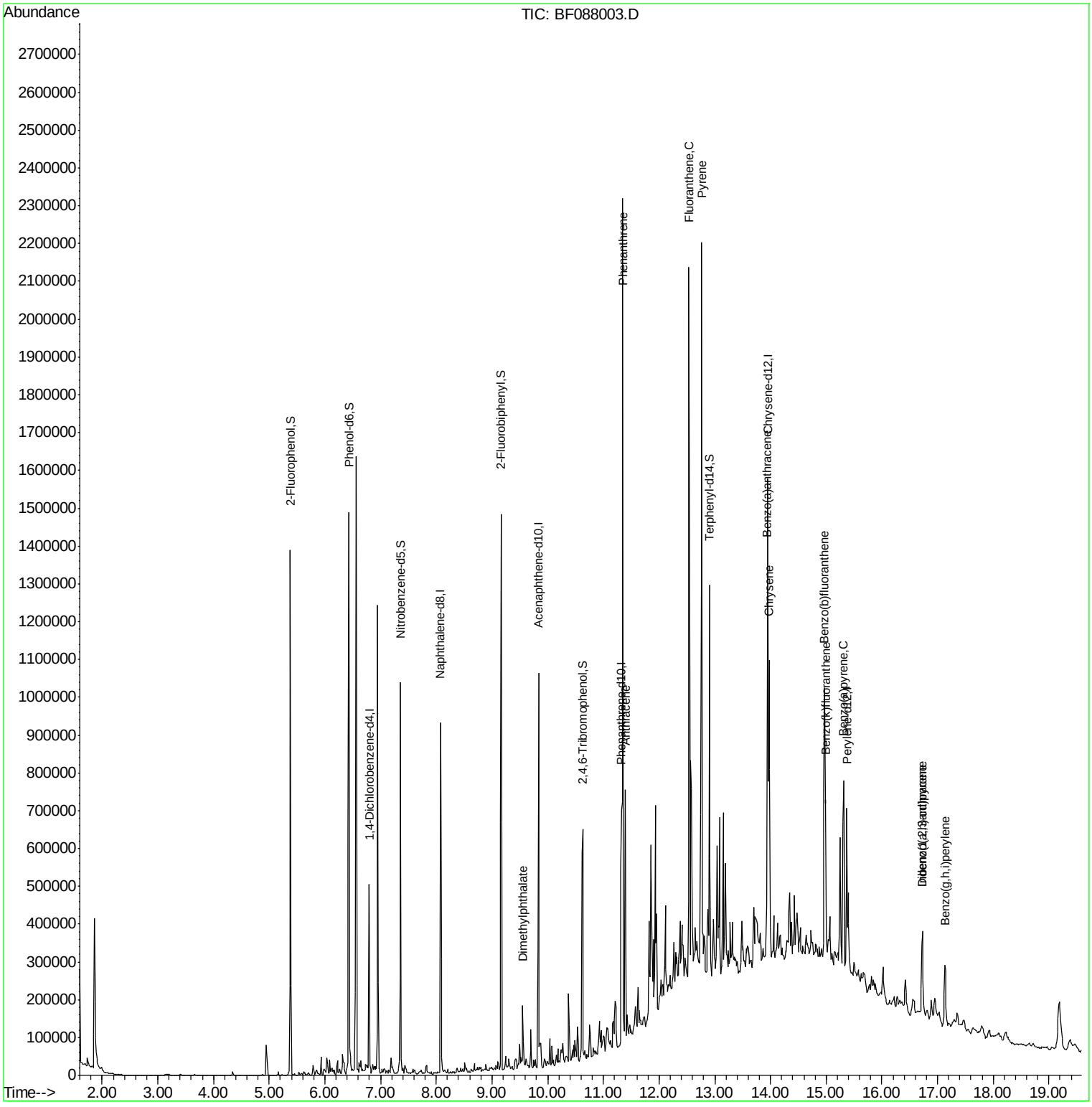
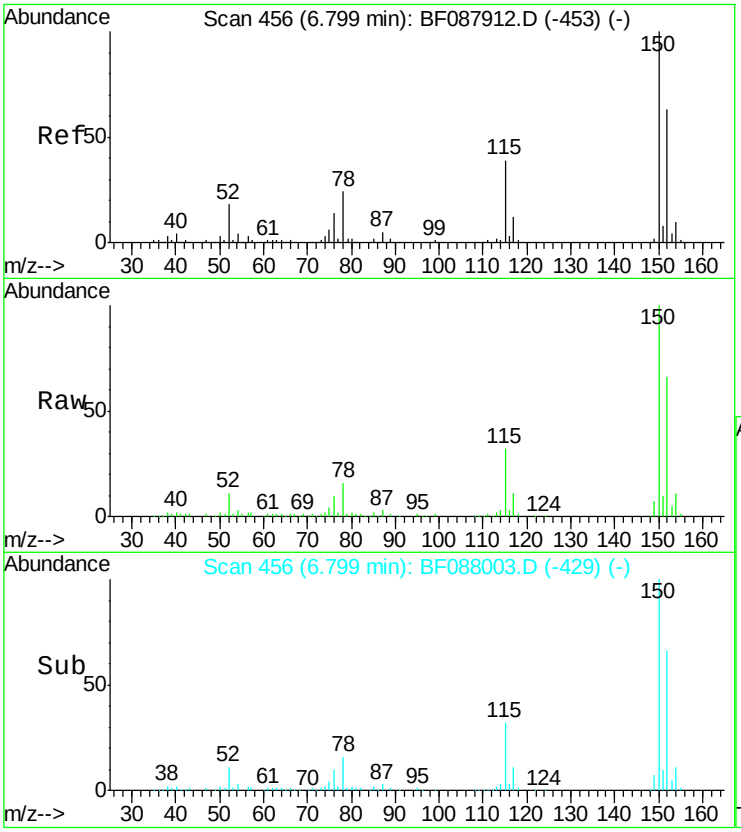
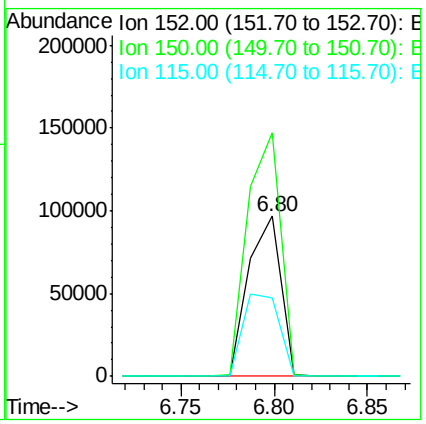




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:152 Resp: 116213

Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.8	185.6
115	49.2	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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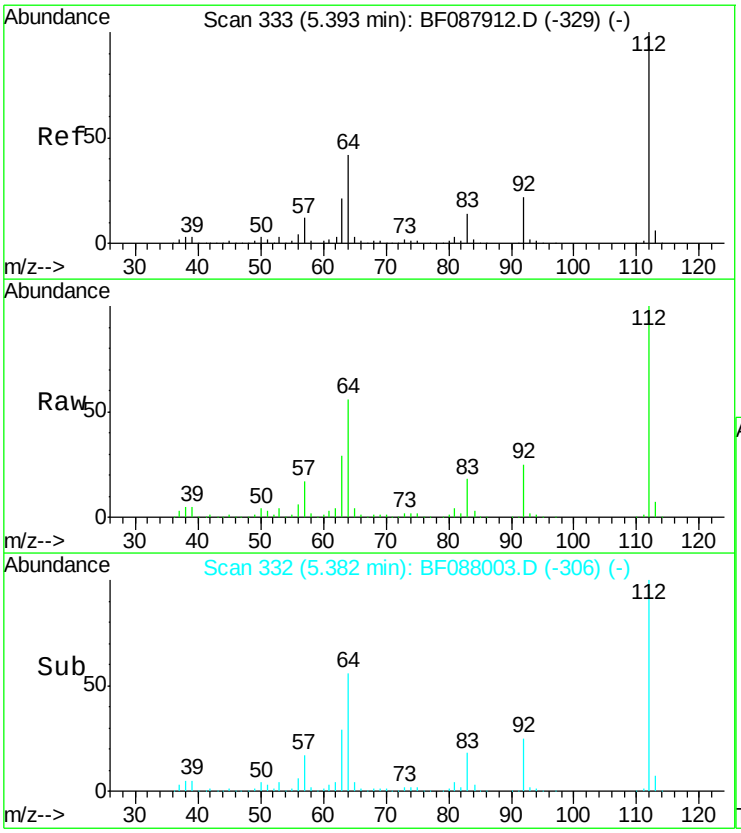
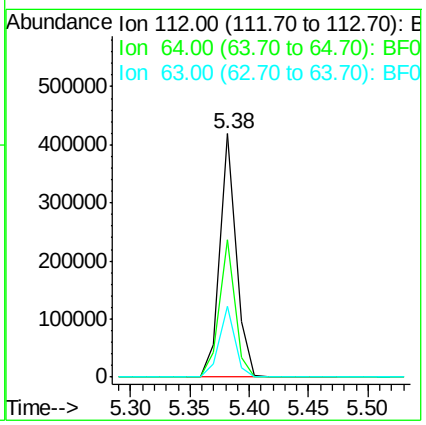
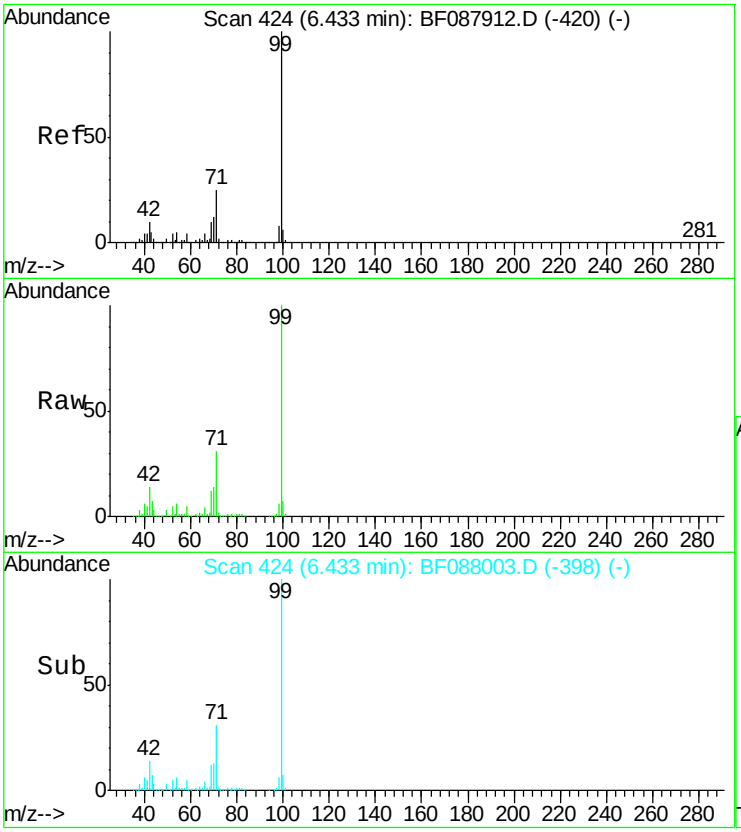


#5
2-Fluorophenol
Concen: 58.24 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:112 Resp: 395909

Ion	Ratio	Lower	Upper
112	100		
64	56.4	42.2	63.2
63	28.8	21.8	32.8

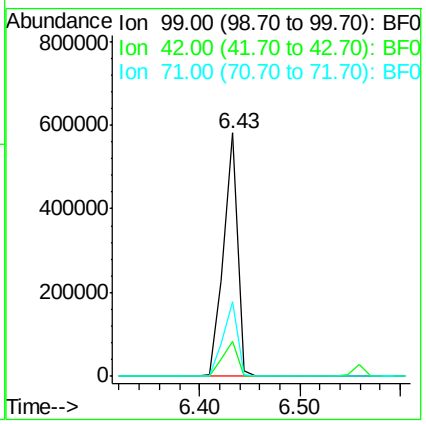




#7
Phenol-d6
Concen: 69.21 ng
RT: 6.43 min Scan# 424
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion: 99 Resp: 570225

Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.2	18.2
71	30.7	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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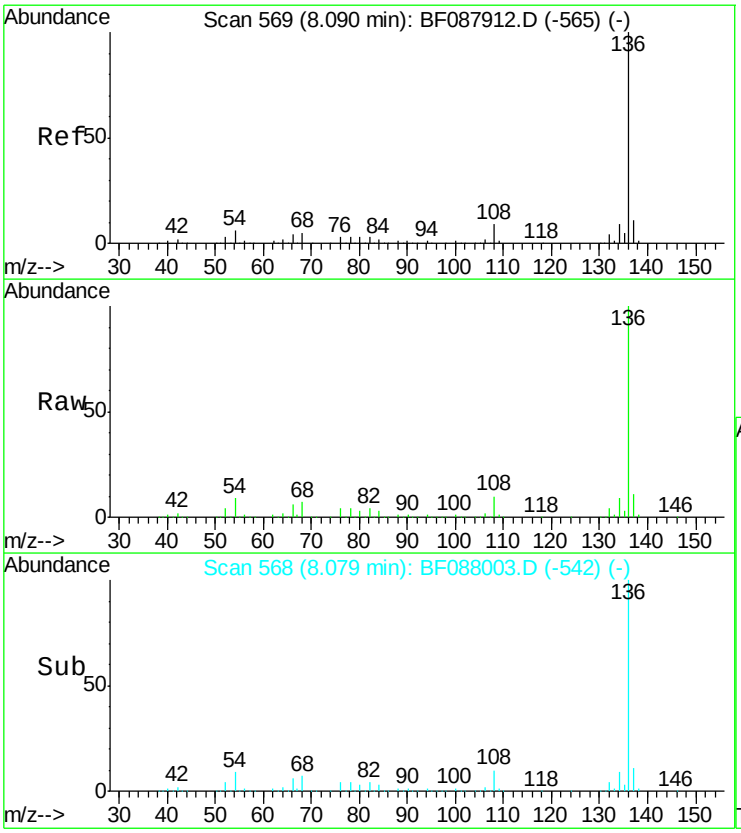
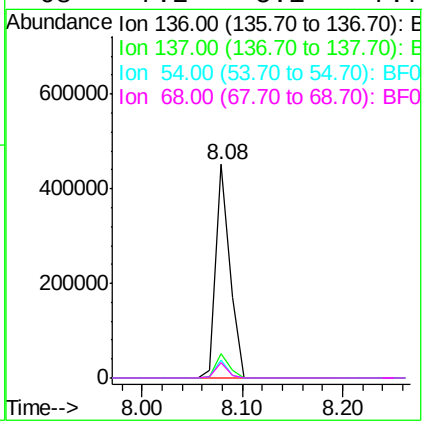
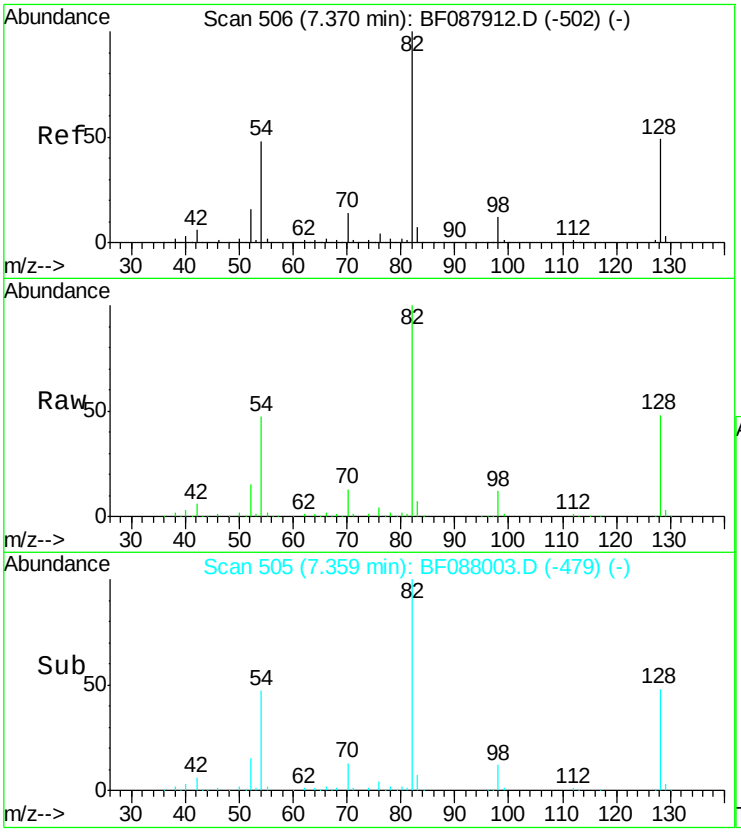


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:136 Resp: 440375

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.6	6.6	10.0
68	7.2	5.1	7.7

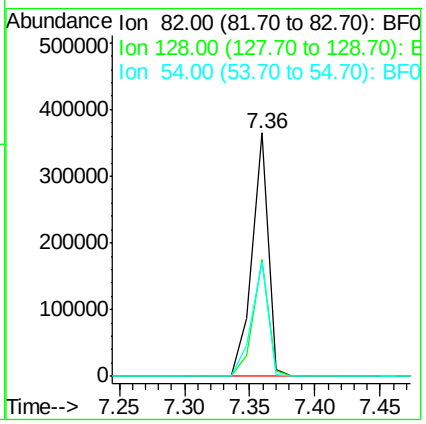




#23
Nitrobenzene-d5
Concen: 42.40 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion: 82 Resp: 319789

Ion	Ratio	Lower	Upper
82	100		
128	47.8	35.9	53.9
54	46.8	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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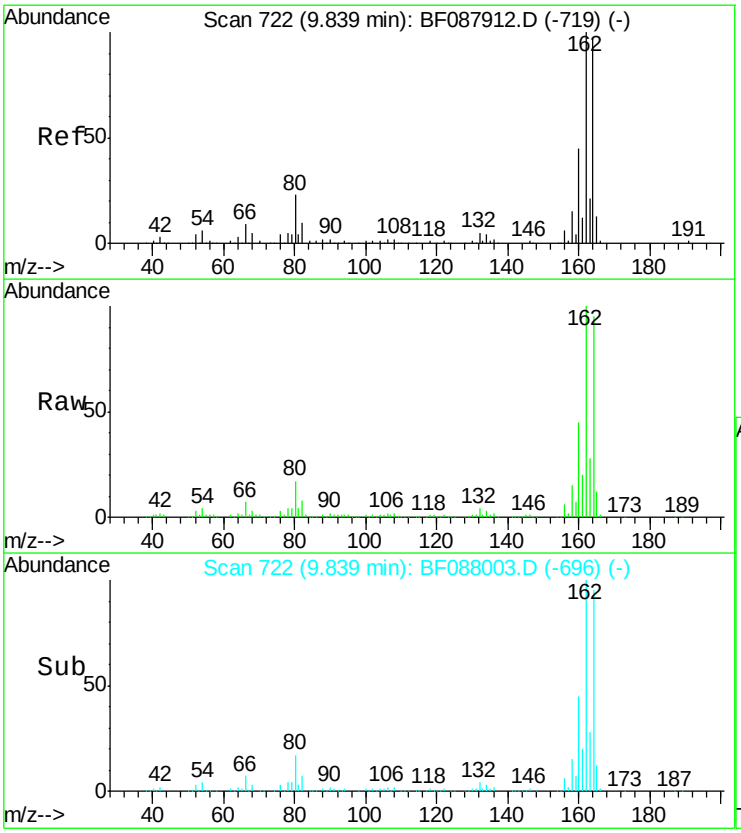
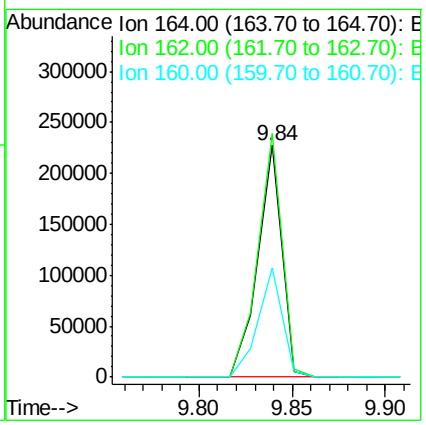
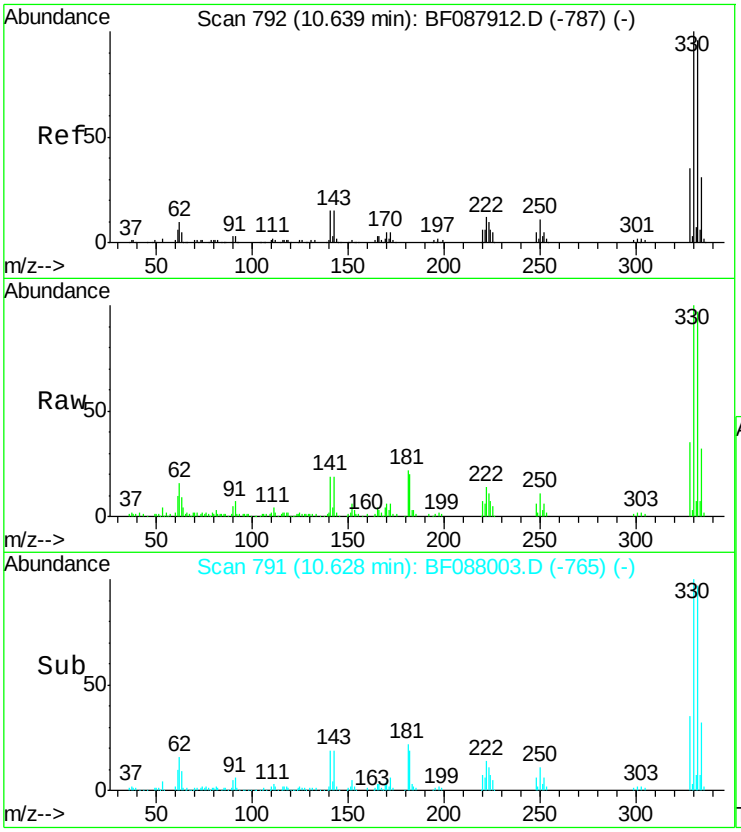


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:164 Resp: 201311

Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.4	128.2
160	47.4	39.5	59.3

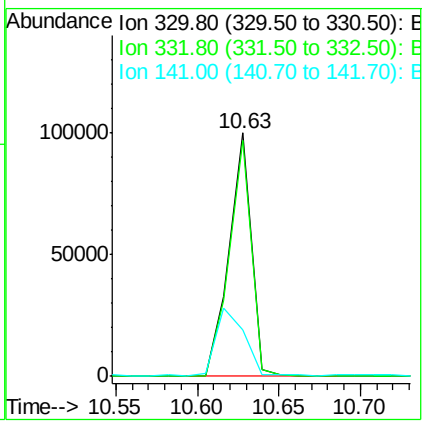




#41
2,4,6-Tribromophenol
Concen: 43.95 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:330 Resp: 93417

Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	36.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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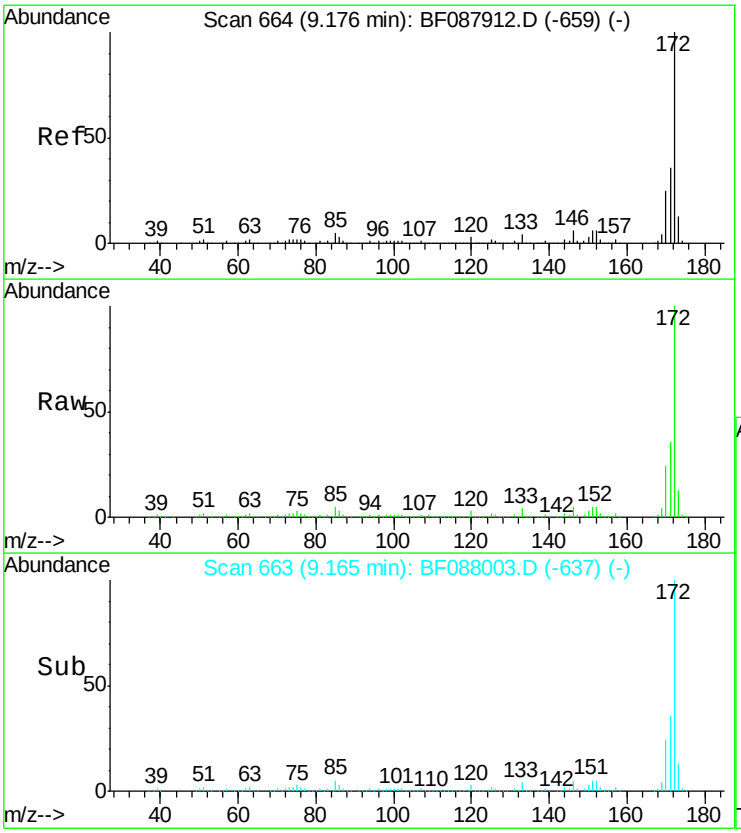
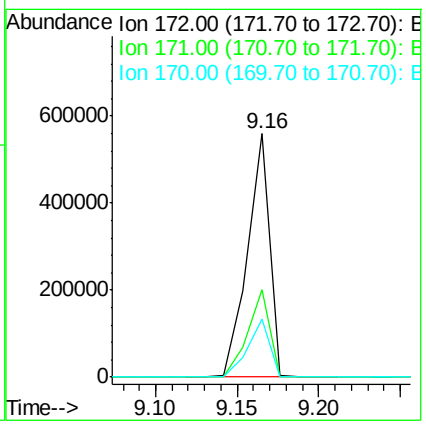
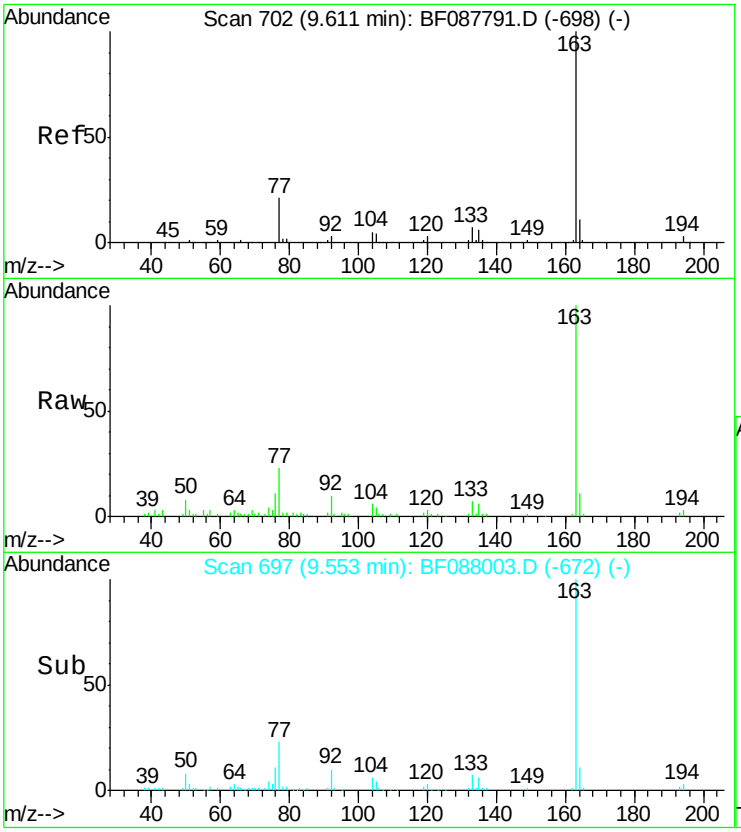


#44
2-Fluorobiphenyl
Concen: 37.96 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:172 Resp: 525690

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.7	19.2	28.8

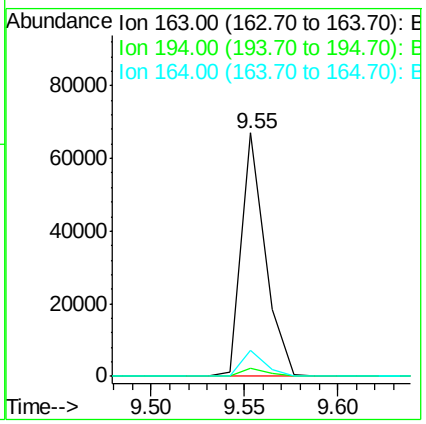




#49
Dimethylphthalate
Concen: 4.09 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:163 Resp: 59573

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.9	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

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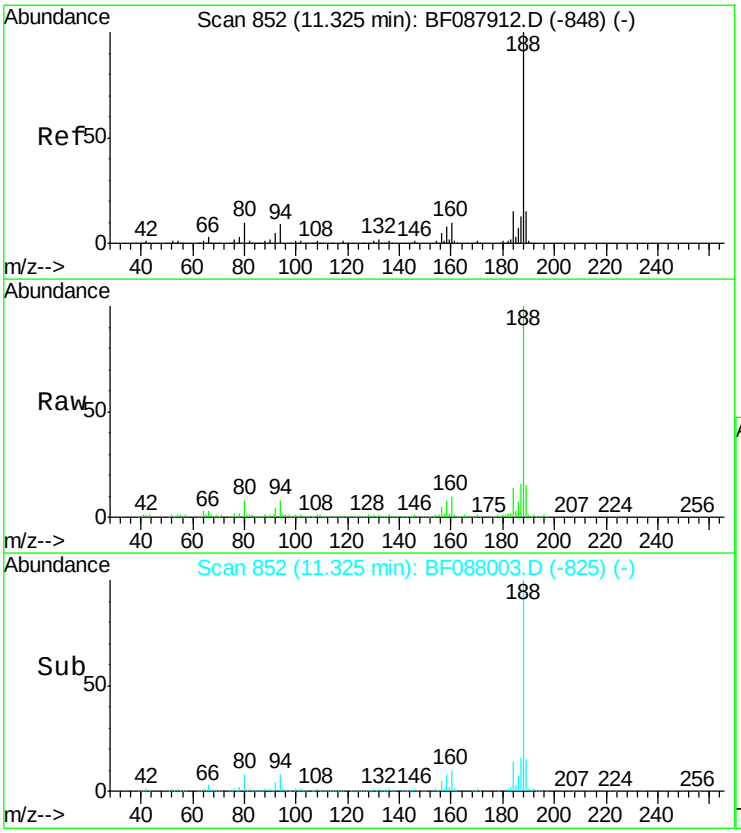
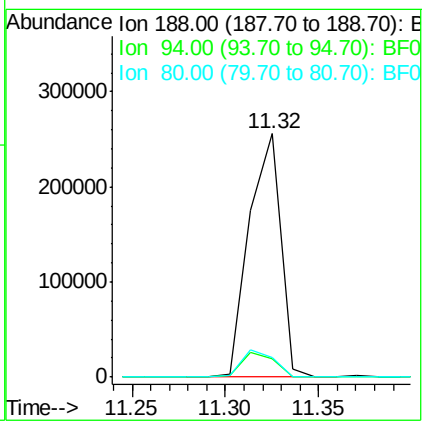
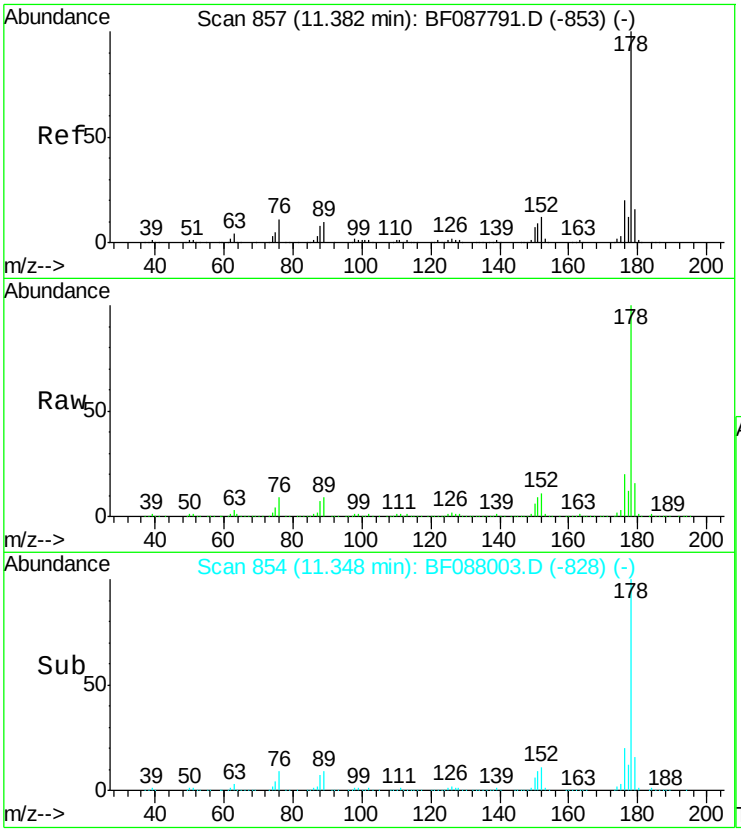


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:188 Resp: 304464

Ion	Ratio	Lower	Upper
188	100		
94	7.8	9.0	13.6#
80	8.1	10.0	15.0#

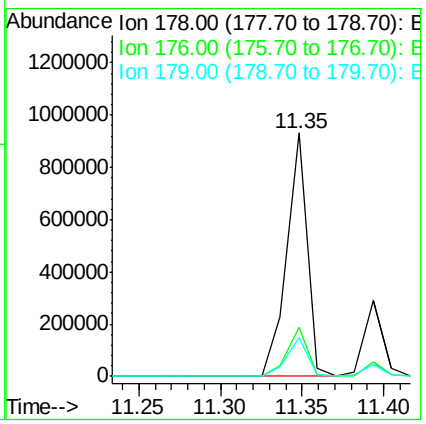




#70
Phenanthrene
Concen: 51.22 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:178 Resp: 818251

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.6
179	15.9	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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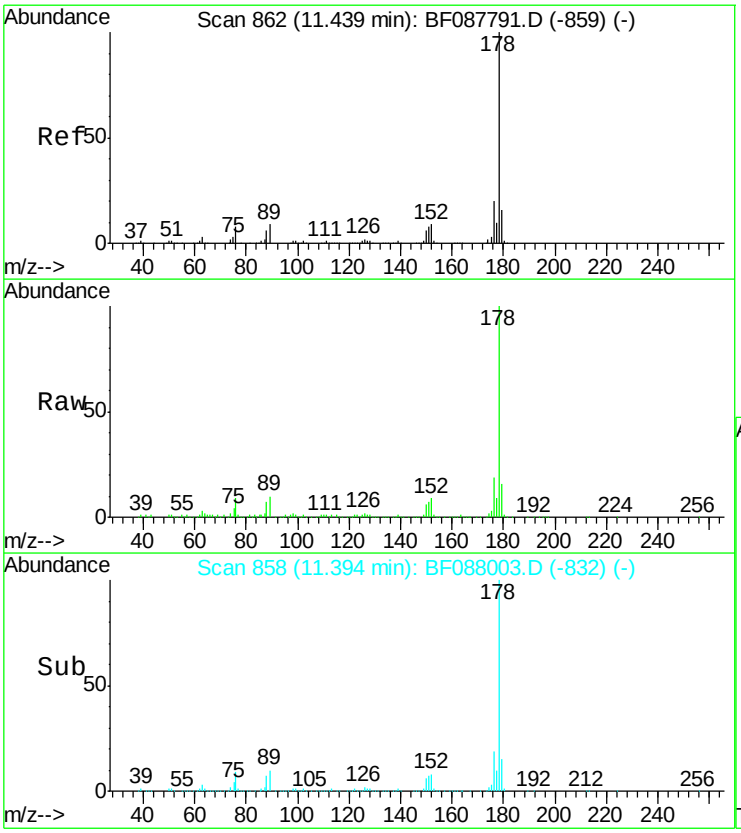
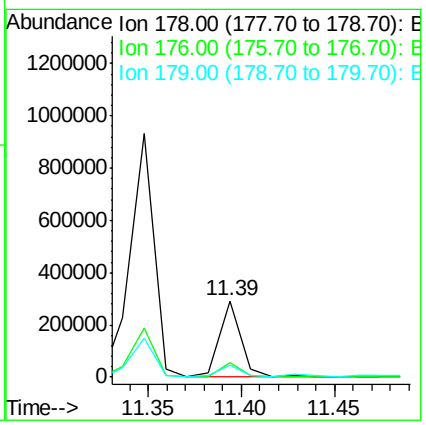
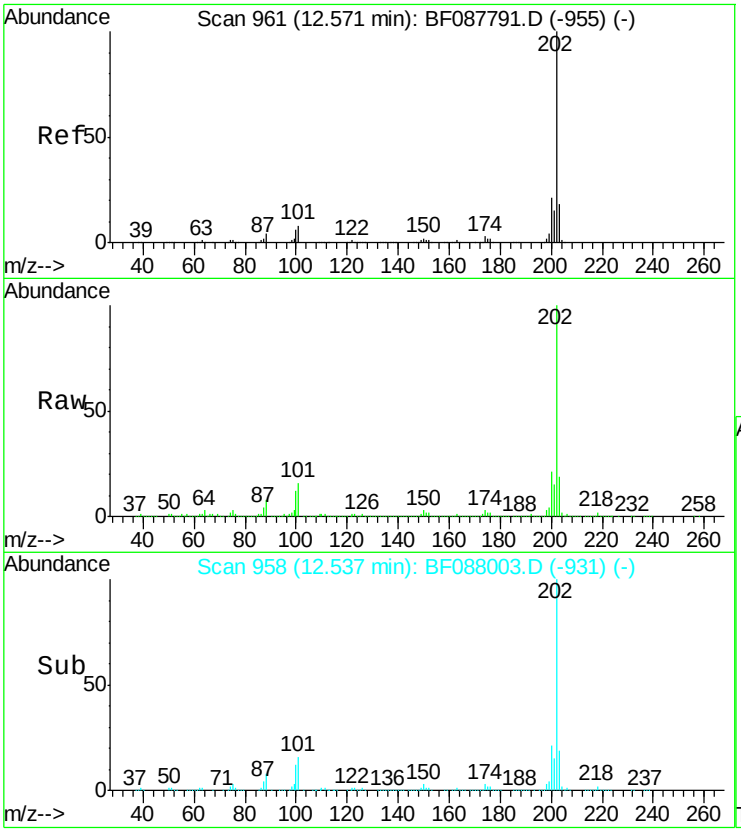


#71
Anthracene
Concen: 14.54 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:178 Resp: 234299

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.6	12.8	19.2

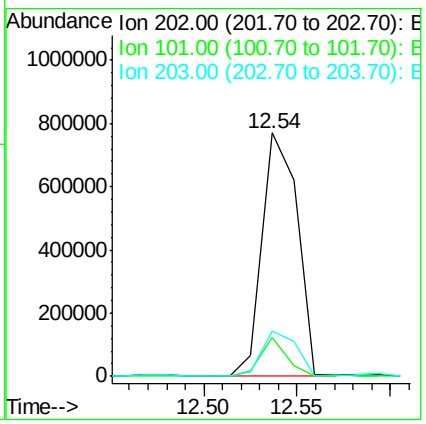




#74
Fluoranthene
Concen: 59.49 ng
RT: 12.54 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:202 Resp: 1003069

Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	33.1
203	18.7	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

Manual Integrations APPROVED
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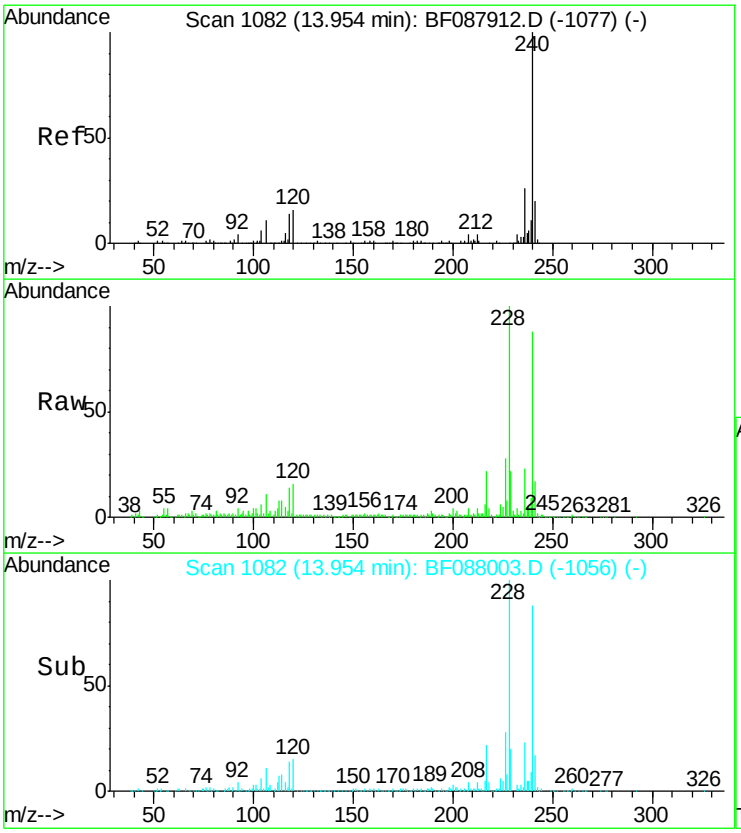
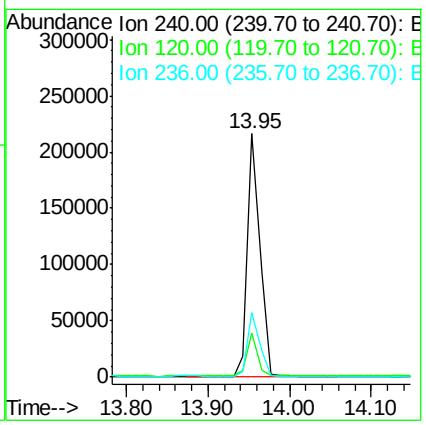
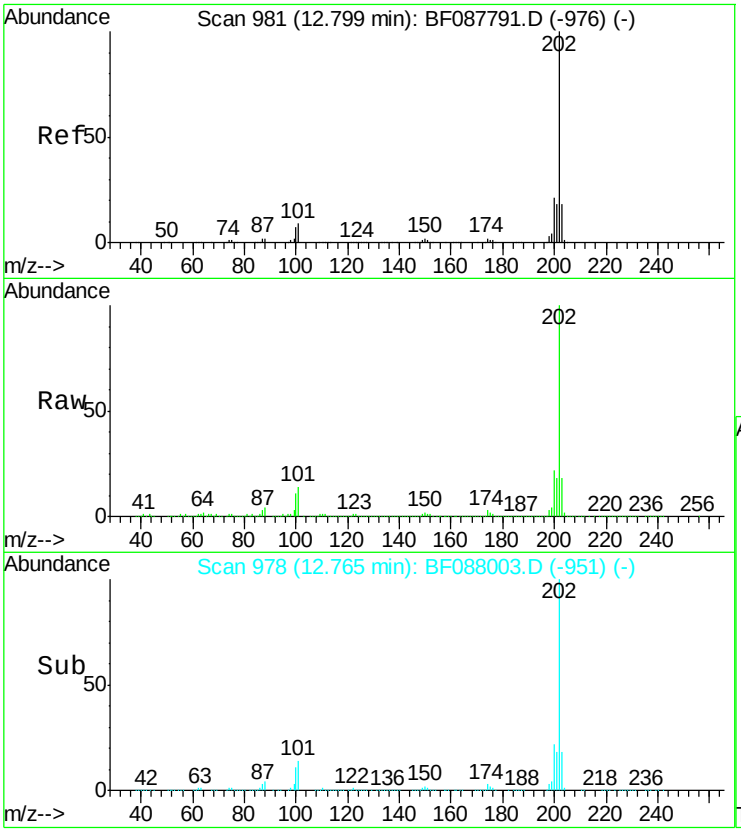


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:240 Resp: 232512

Ion	Ratio	Lower	Upper
240	100		
120	18.0	6.8	10.2#
236	26.3	20.2	30.2

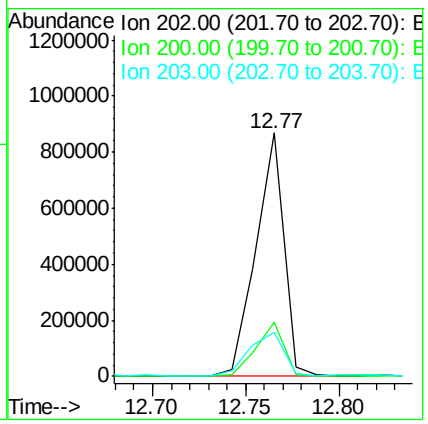




#77
Pyrene
Concen: 51.72 ng
RT: 12.77 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

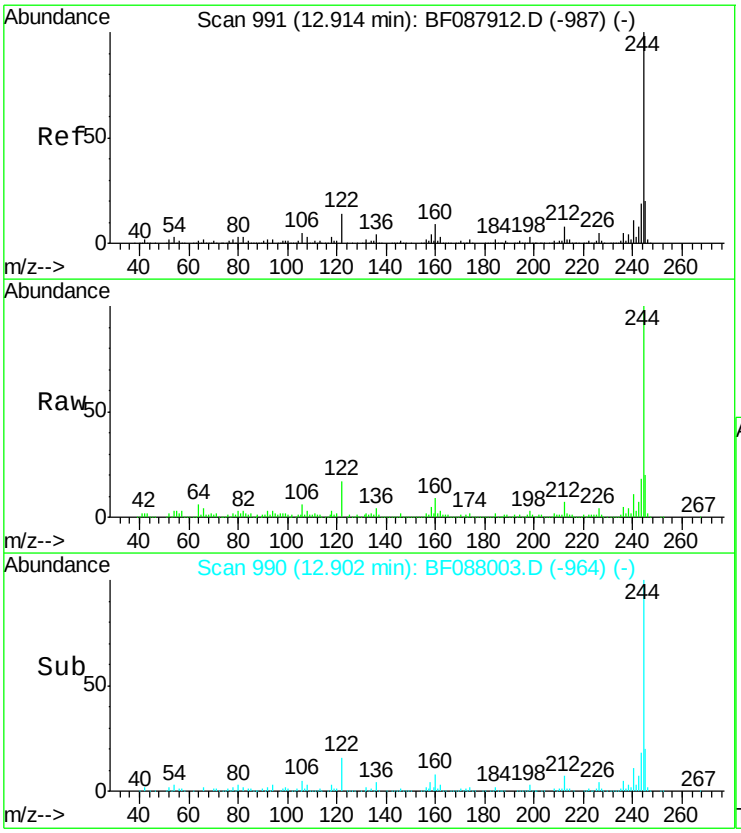
Tgt Ion:202 Resp: 892310

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.1	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

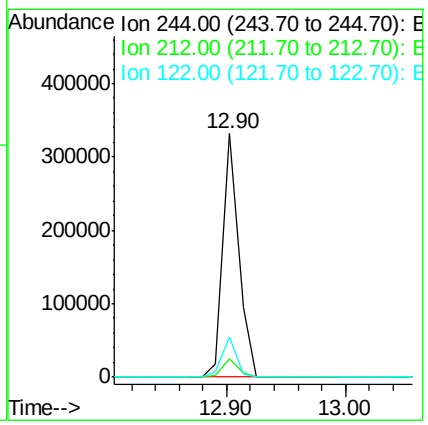
Manual Integrations APPROVED
umangi
6/14/2016 7:49:19 PM

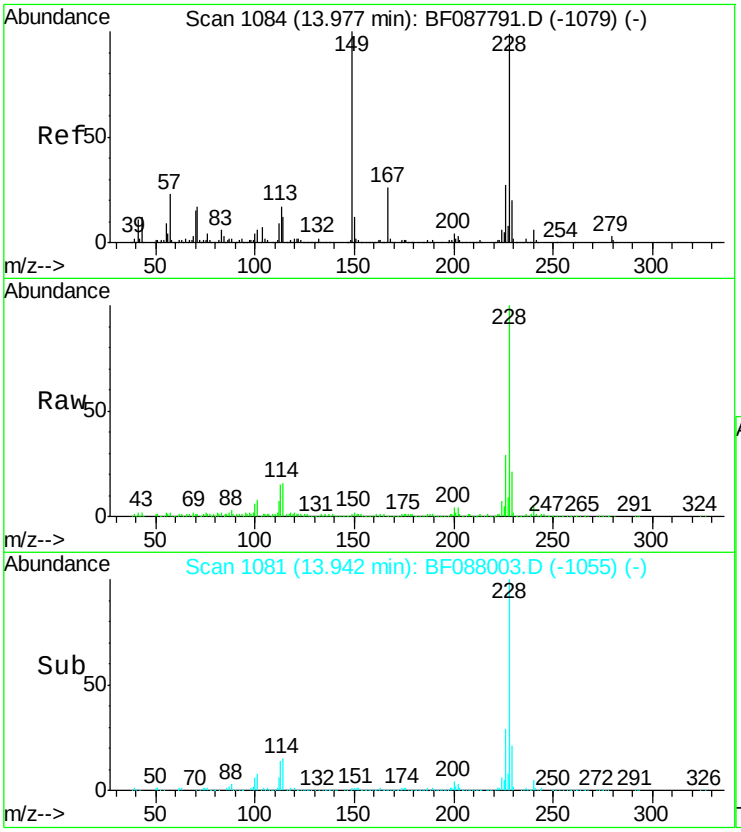


#78
Terphenyl-d14
Concen: 30.00 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:244 Resp: 306584

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	16.7	11.2	16.8

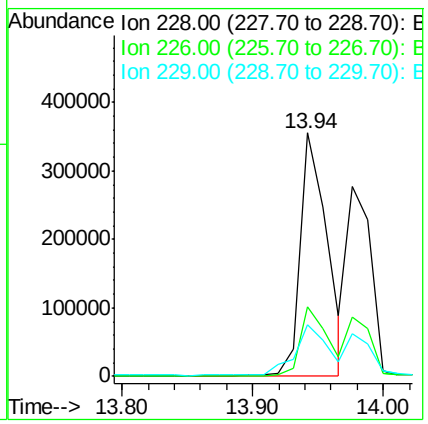




#80
Benzo(a)anthracene
Concen: 38.08 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:228 Resp: 504533

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	21.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

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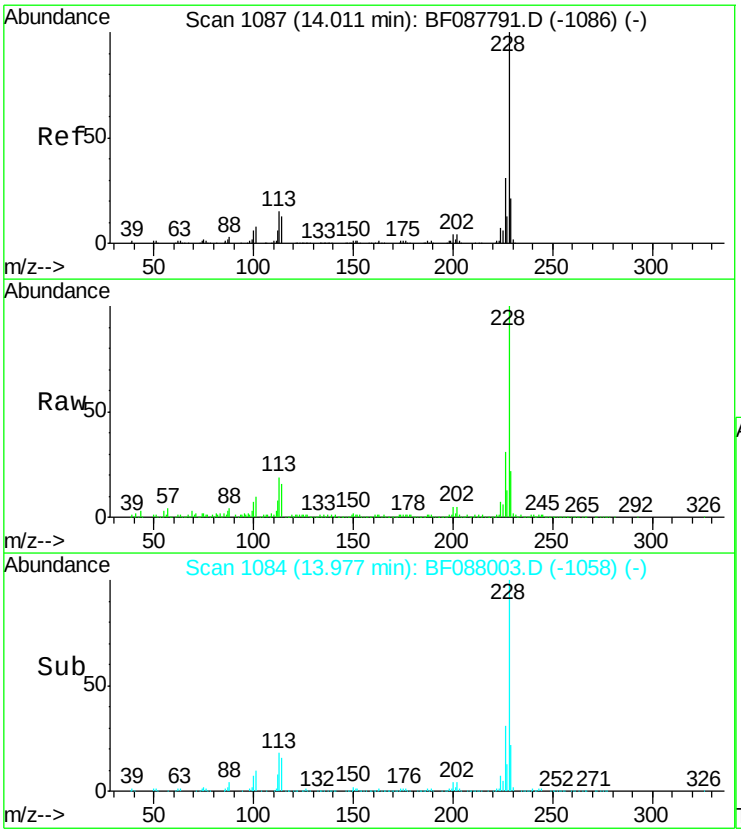
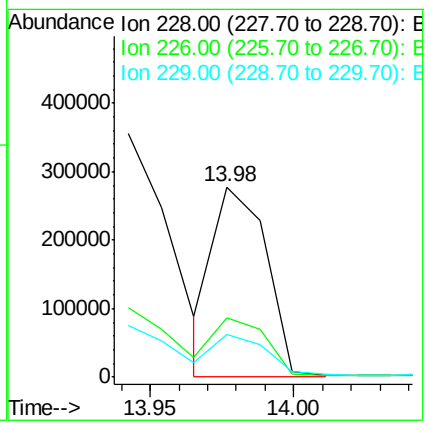
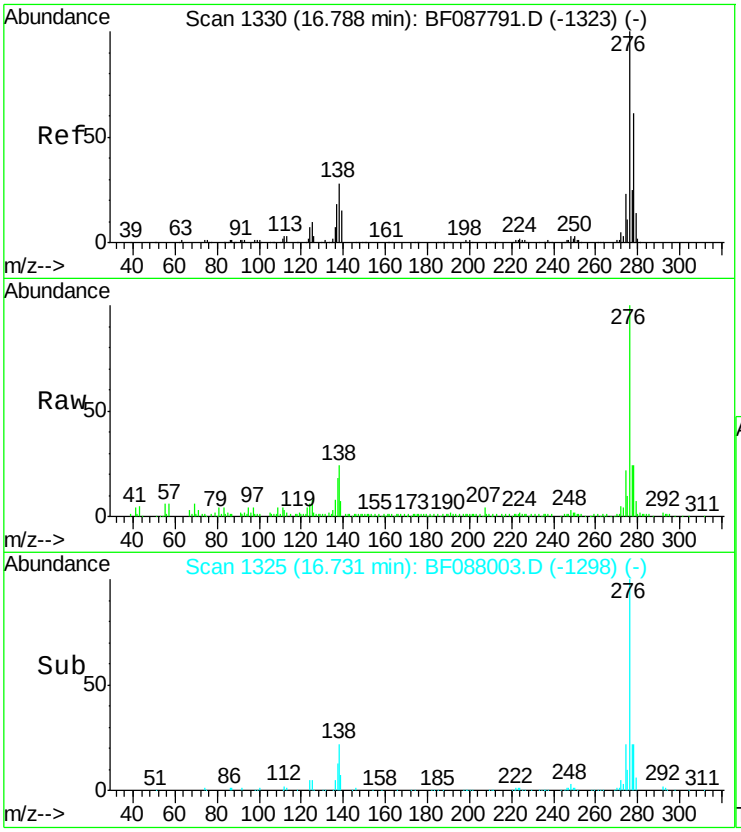


#82
Chrysene
Concen: 28.41 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:228 Resp: 354087

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	22.5	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 12.49 ng
RT: 16.73 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:276 Resp: 144642

Ion	Ratio	Lower	Upper
276	100		
138	26.9	0.0	0.0#
277	25.6	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

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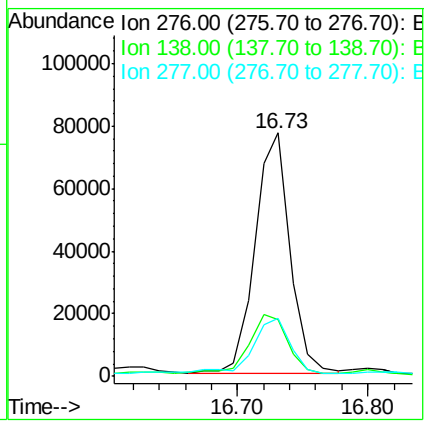
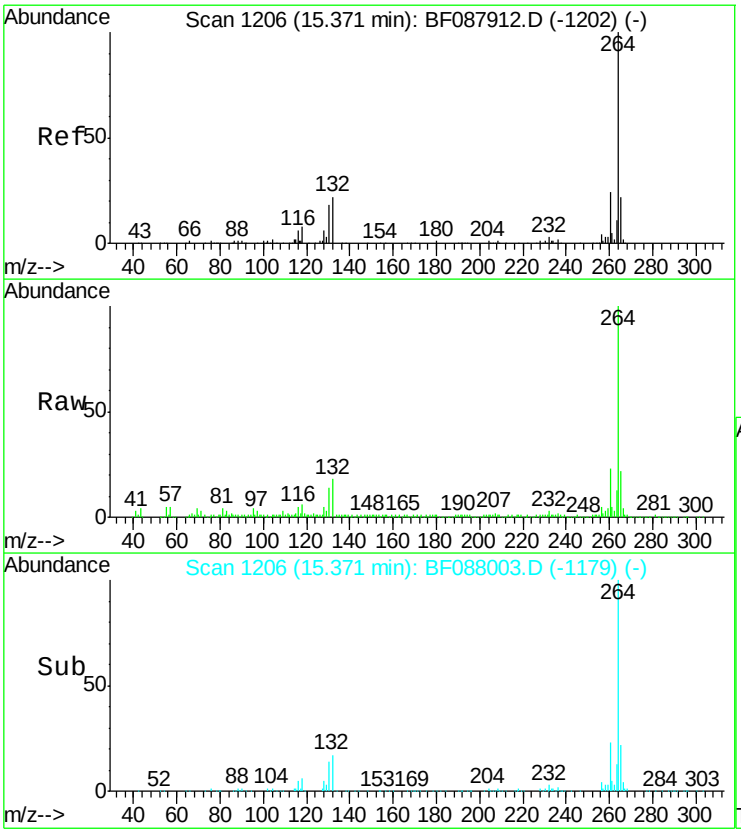
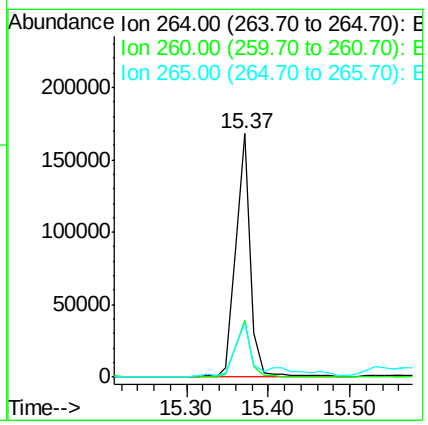


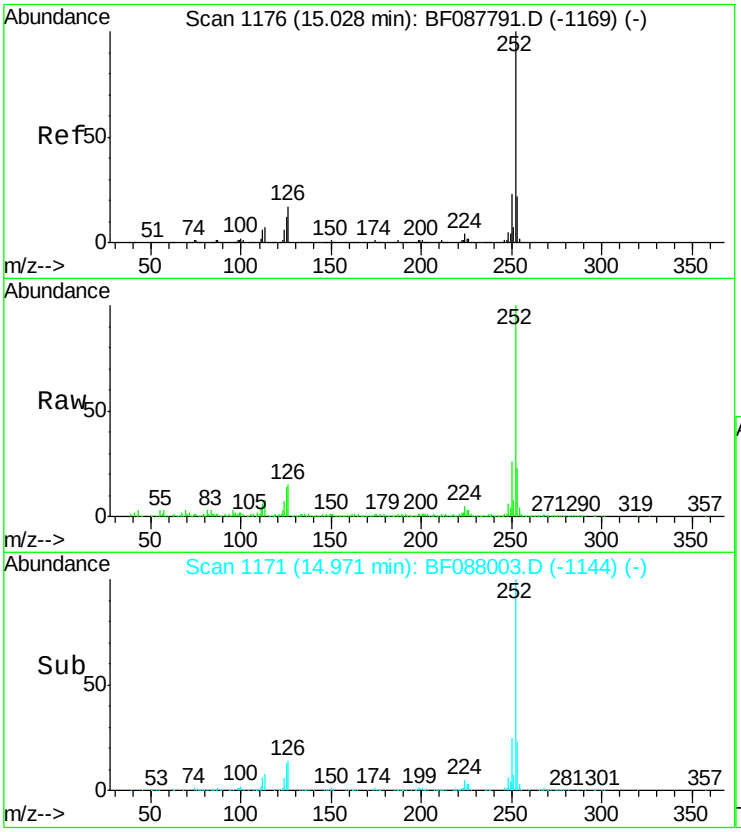


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:264 Resp: 209309

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.4	16.9	25.3

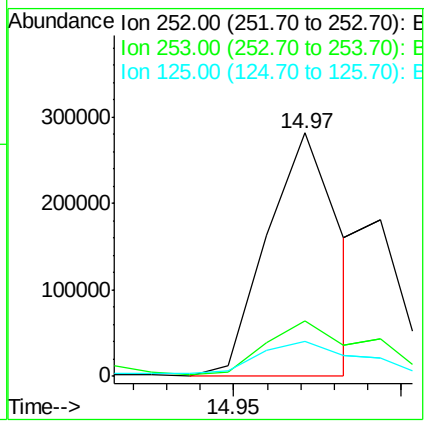




#87
Benzo(b)fluoranthene
Concen: 29.09 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:252 Resp: 424319

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.2	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
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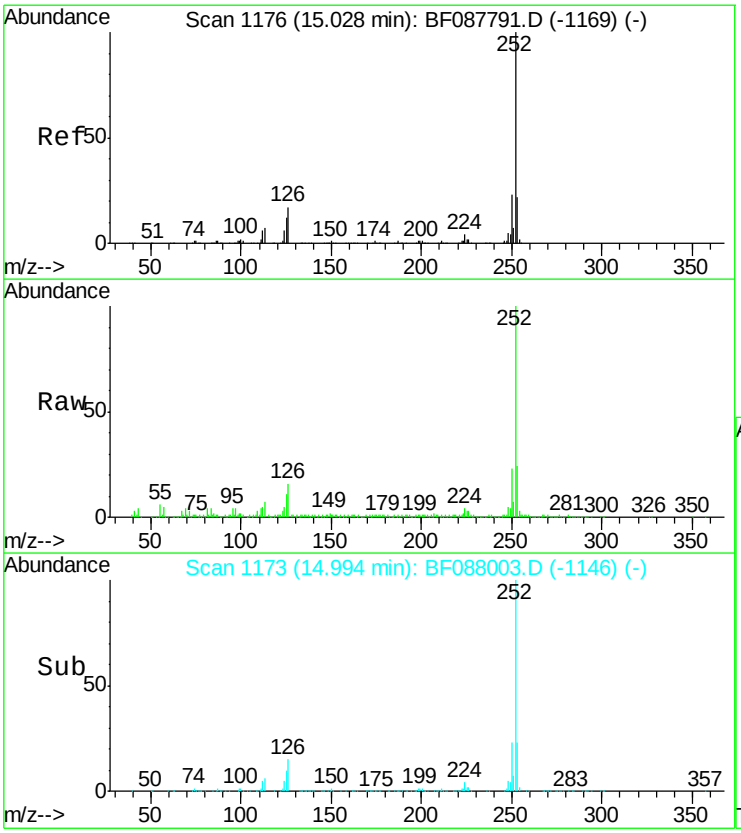
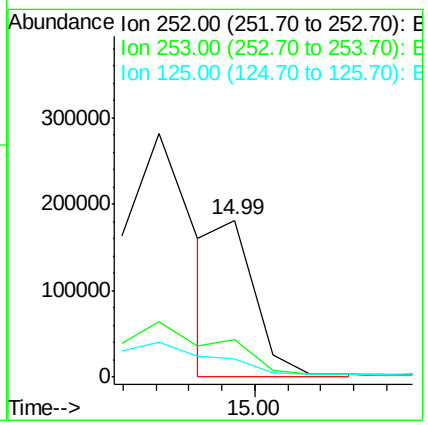
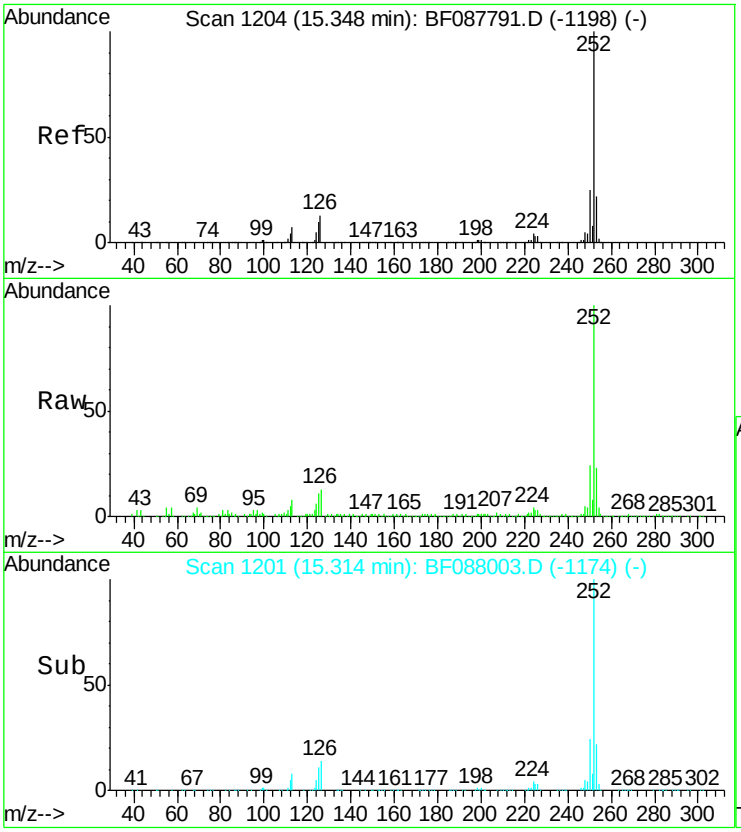


#88
Benzo(k)fluoranthene
Concen: 13.36 ng m
RT: 14.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:252 Resp: 147045

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.4	11.2	16.8

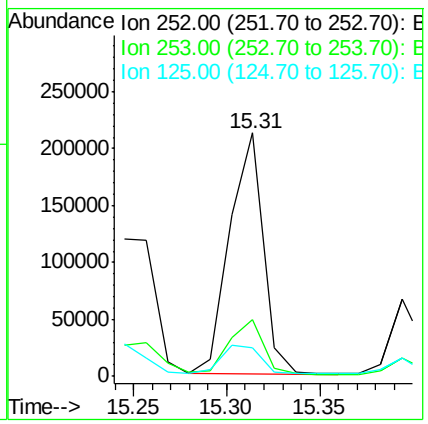




#89
Benzo(a)pyrene
Concen: 22.71 ng
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:252 Resp: 268086

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.5	12.5	18.7#



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

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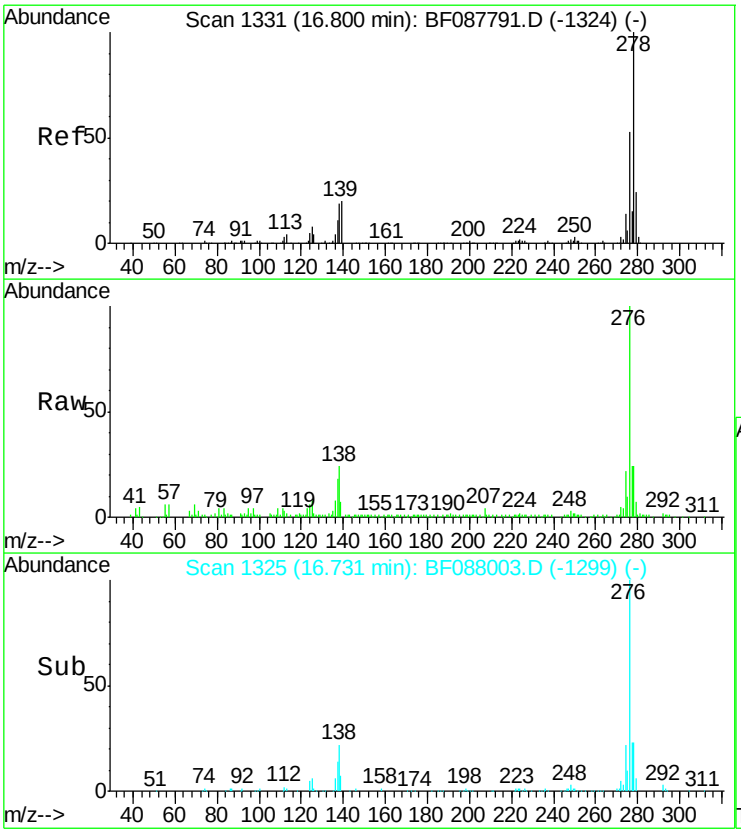
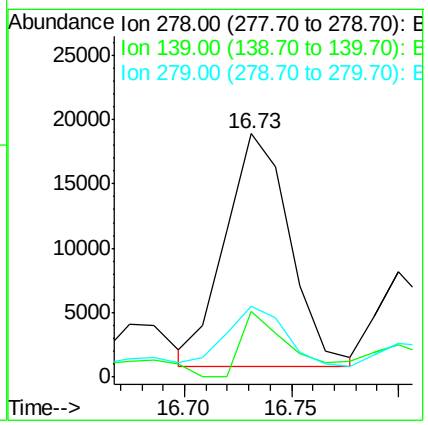
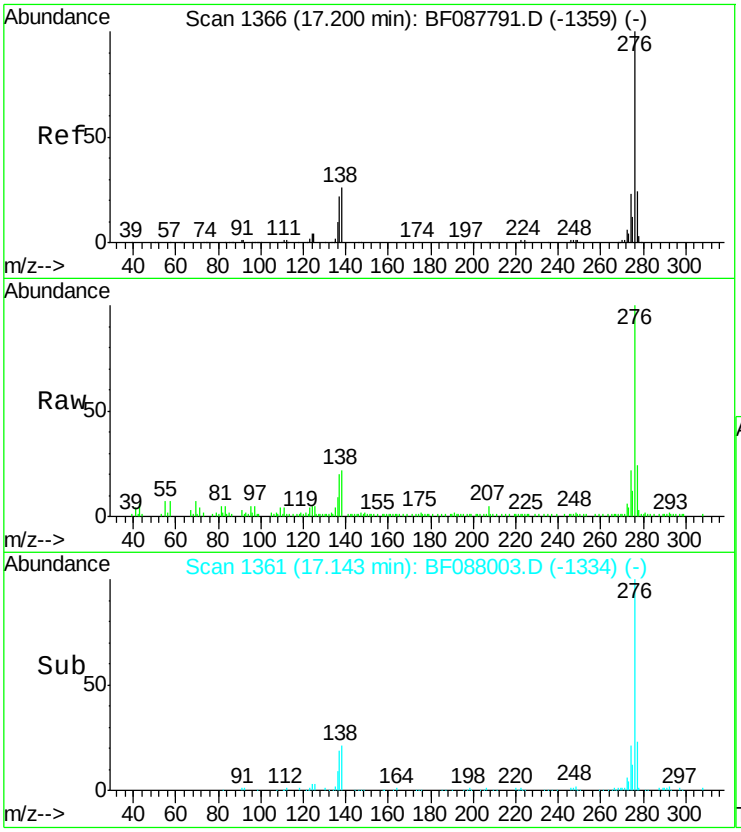


#90
Dibenzo(a,h)anthracene
Concen: 3.47 ng m
RT: 16.73 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:278 Resp: 38094

Ion	Ratio	Lower	Upper
278	100		
139	27.1	15.7	23.5#
279	29.1	19.4	29.2

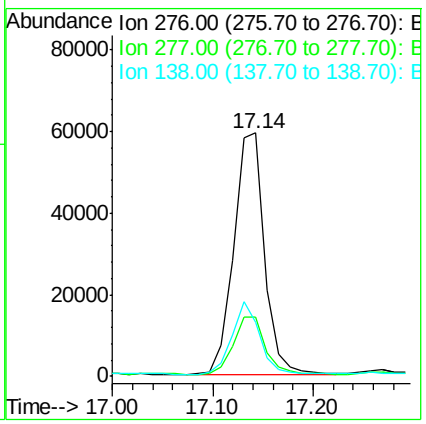




#91
Benzo(g,h,i)perylene
Concen: 11.12 ng
RT: 17.14 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:276 Resp: 125381

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	22.3	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
T6-B2(6-12)CDL

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