Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087202.D
Acq On : 19 May 2016 22:33
Operator : UM/SJ
Sample : H3132-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Manual Integrations APPROVED
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Quant Time: May 20 03:47:51 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 20 03:23:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	148670	20.00	ng		0.00
21) Naphthalene-d8	7.85	136	605274	20.00	ng		-0.01
38) Acenaphthene-d10	9.60	164	268601	20.00	ng		0.00
63) Phenanthrene-d10	11.07	188	412063	20.00	ng		-0.01
75) Chrysene-d12	13.70	240	307622	20.00	ng		-0.01
86) Perylene-d12	15.06	264	293617	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.15	112	1092505	123.52	ng		0.01
7) Phenol-d6	6.24	99	1422854	119.94	ng		0.00
23) Nitrobenzene-d5	7.14	82	912706	75.15	ng		-0.01
41) 2,4,6-Tribromophenol	10.39	330	295105	99.42	ng		-0.01
44) 2-Fluorobiphenyl	8.94	172	1422641	87.72	ng		0.00
78) Terphenyl-d14	12.66	244	922183	67.81	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.34	163	272207	13.28	ng		99
70) Phenanthrene	11.10	178	139829	6.26	ng		98
71) Anthracene	11.15	178	58504	2.59	ng		97
74) Fluoranthene	12.28	202	307485	13.73	ng		92
77) Pyrene	12.50	202	294389	13.25	ng		97
80) Benzo(a)anthracene	13.69	228	191206	10.75	ng		98
82) Chrysene	13.73	228	132329m	7.69	ng		
85) Indeno(1,2,3-cd)pyrene	16.29	276	84149	5.57	ng	#	92
87) Benzo(b)fluoranthene	14.70	252	215930m	11.09	ng		
88) Benzo(k)fluoranthene	14.71	252	84312m	5.81	ng		
89) Benzo(a)pyrene	15.01	252	156439	9.61	ng		97
91) Benzo(g,h,i)perylene	16.65	276	80357	5.80	ng		95

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087202.D
Acq On : 19 May 2016 22:33
Operator : UM/SJ
Sample : H3132-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 20 03:47:51 2016
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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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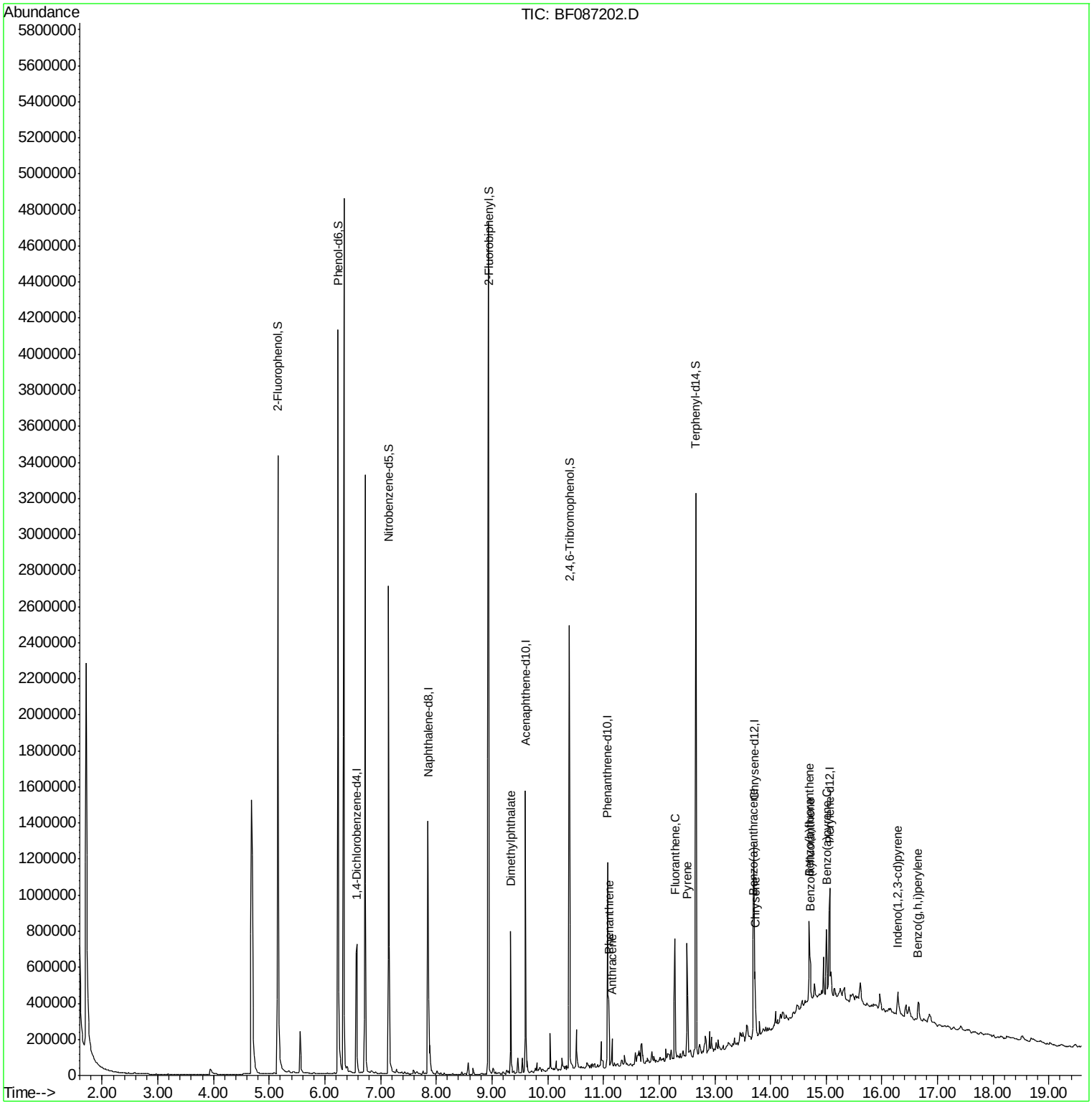
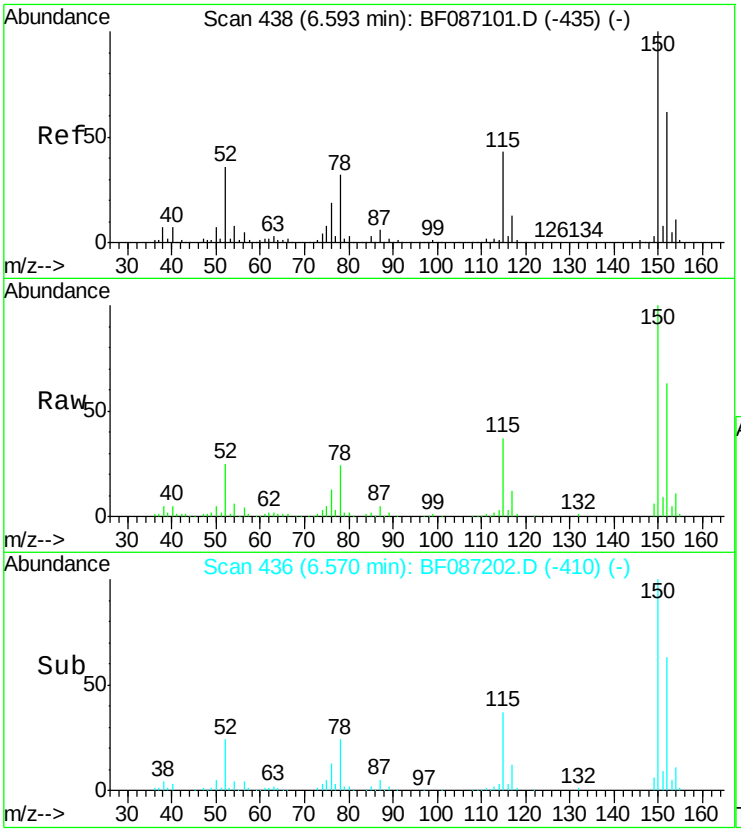
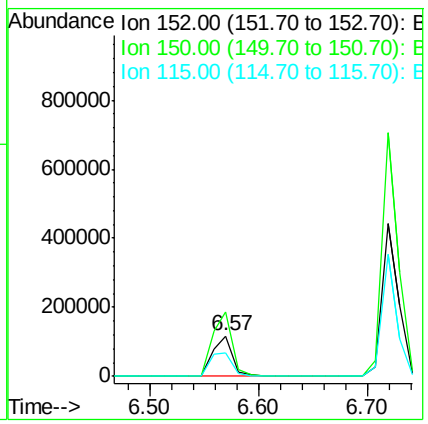




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:152 Resp: 148670

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.6
115	58.8	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Manual Integrations APPROVED
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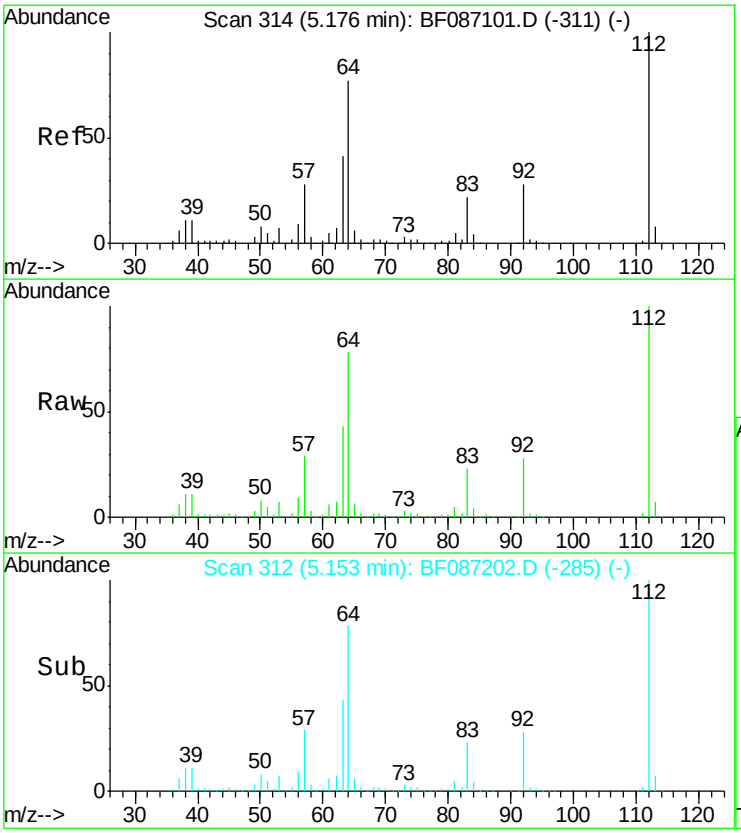
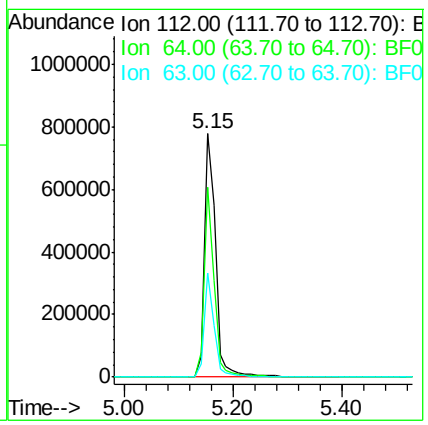
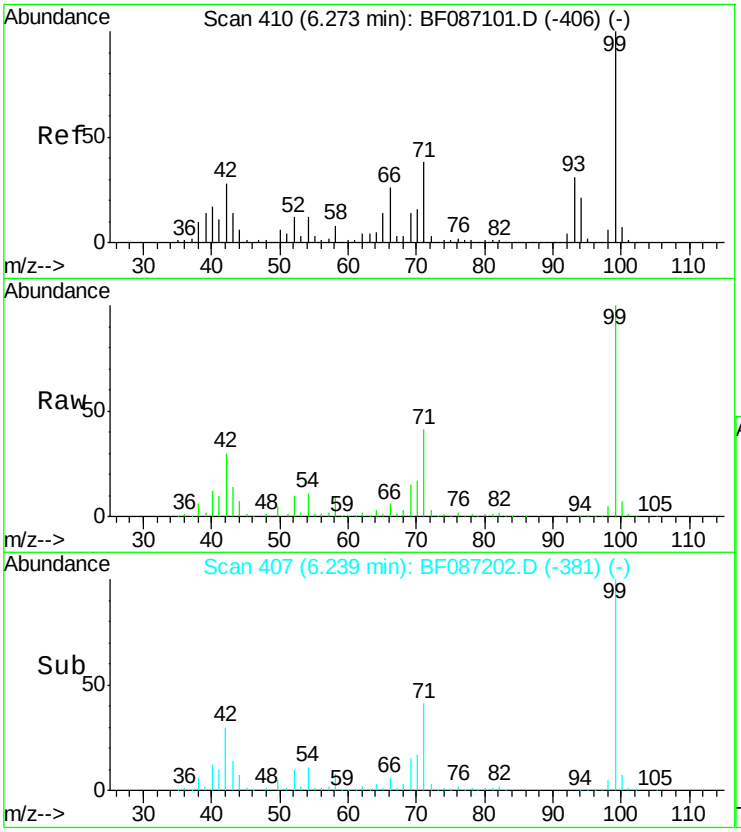


#5
2-Fluorophenol
Concen: 123.52 ng
RT: 5.15 min Scan# 312
Delta R.T. 0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:112 Resp: 1092505

Ion	Ratio	Lower	Upper
112	100		
64	77.9	52.1	78.1
63	42.8	25.7	38.5#





#7
Phenol-d6
Concen: 119.94 ng
RT: 6.24 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion: 99 Resp: 1422854

Ion	Ratio	Lower	Upper
99	100		
42	29.6	13.6	20.4#
71	40.6	24.6	36.8#

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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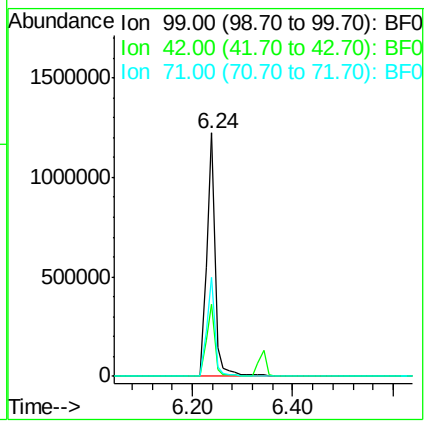
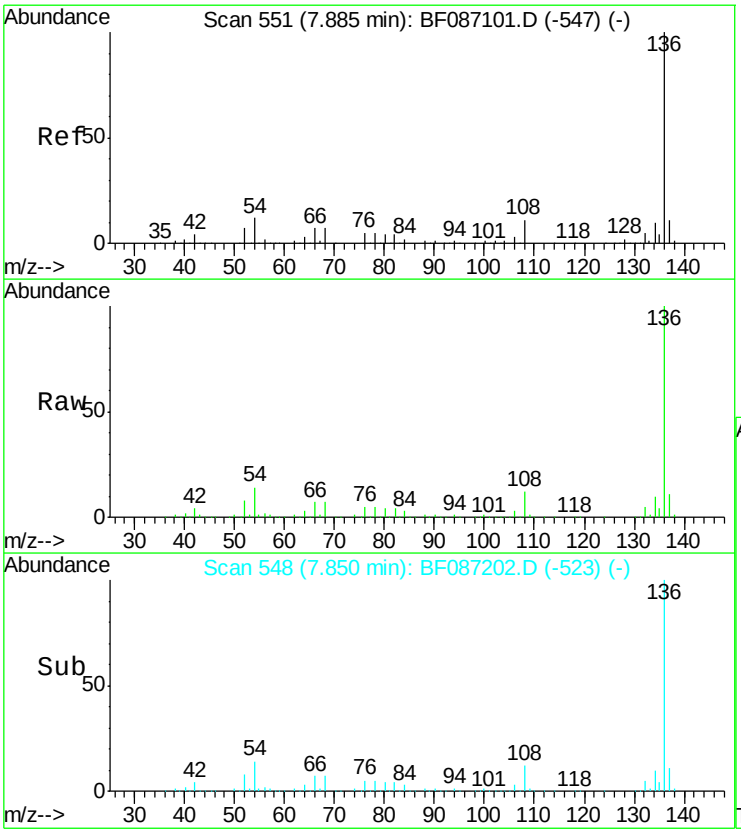
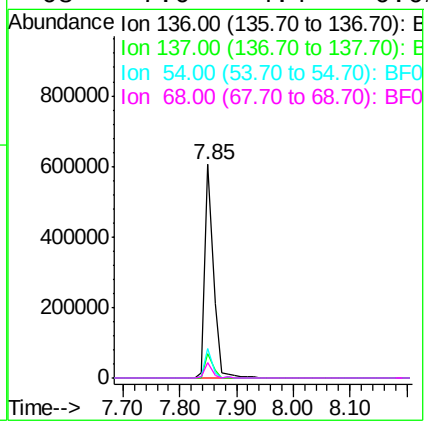


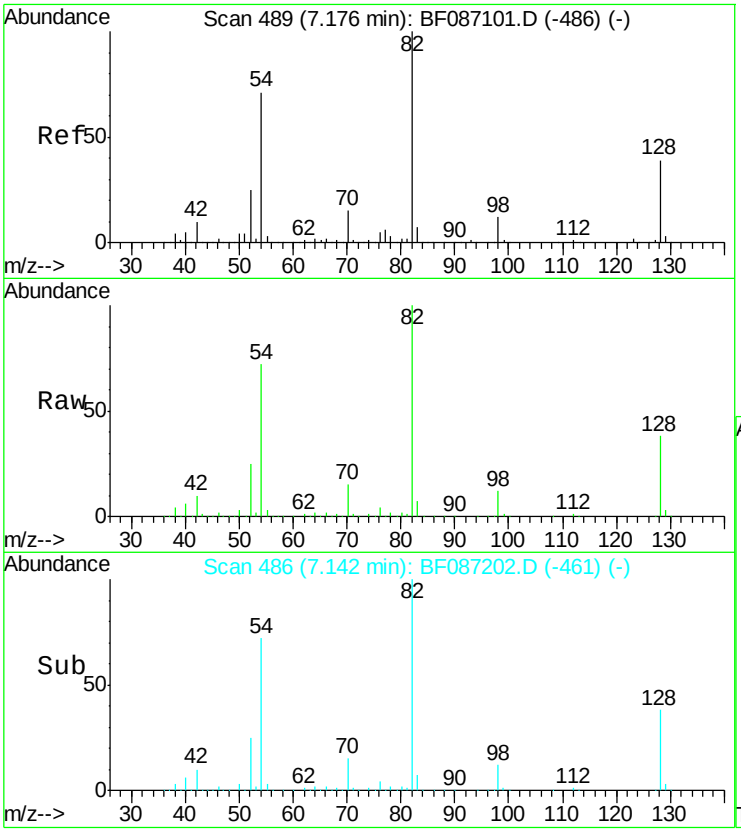


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:136 Resp: 605274

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.6	5.0	7.4#
68	7.0	4.4	6.6#

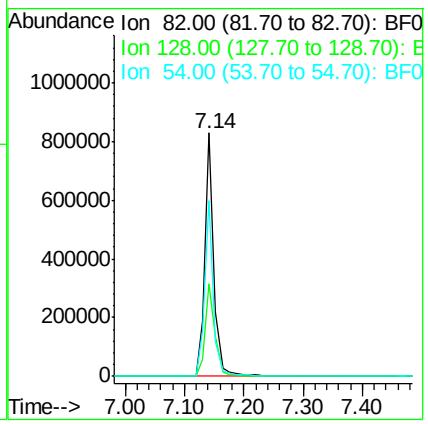




#23
Nitrobenzene-d5
Concen: 75.15 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion: 82 Resp: 912706

Ion	Ratio	Lower	Upper
82	100		
128	38.0	40.6	61.0#
54	72.3	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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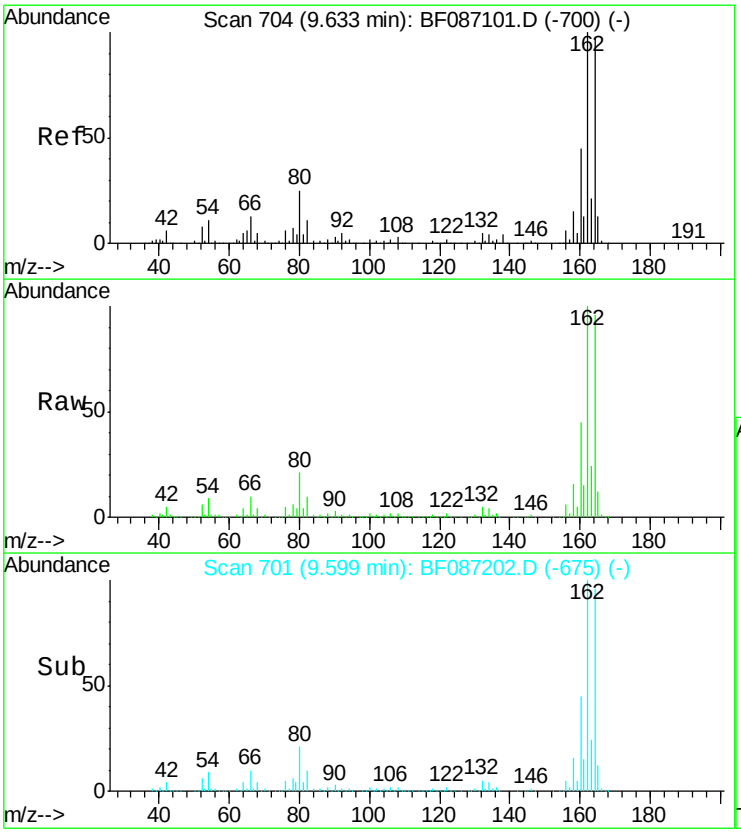
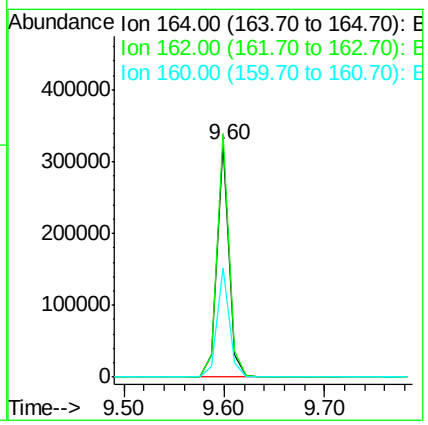
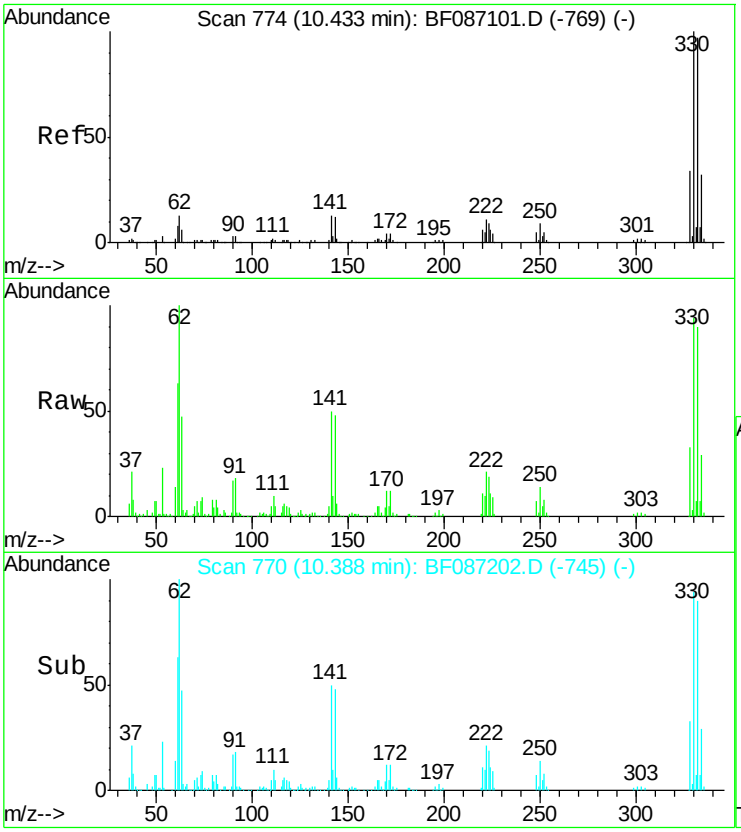


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:164 Resp: 268601

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.8	124.2
160	47.1	36.9	55.3

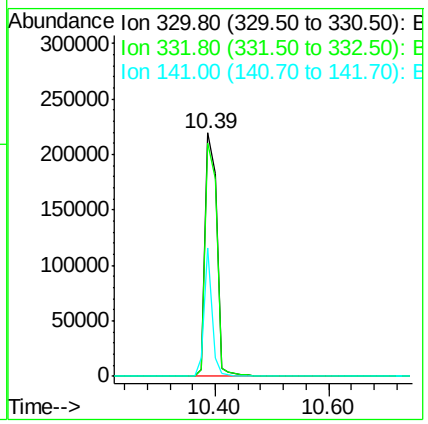




#41
2,4,6-Tribromophenol
Concen: 99.42 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:330 Resp: 295105

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.0	118.4
141	36.5	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Manual Integrations APPROVED
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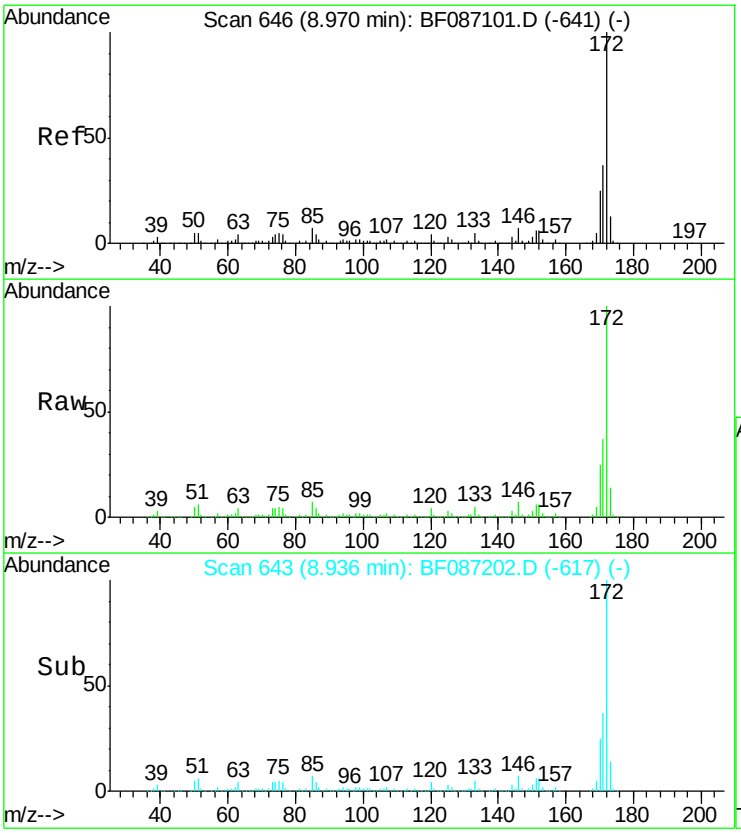
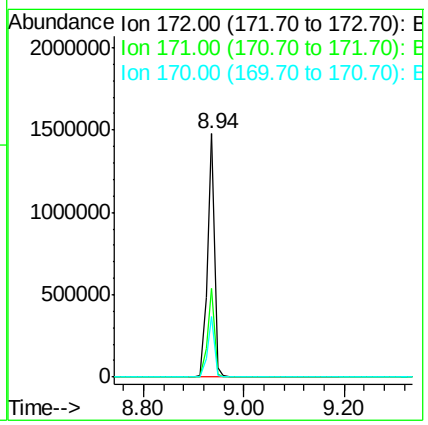
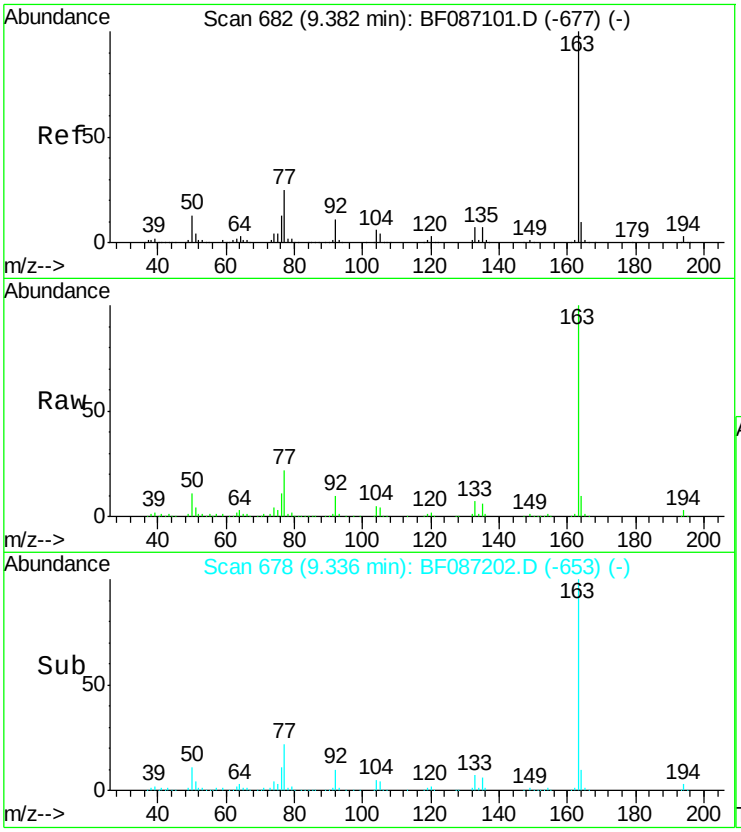


#44
2-Fluorobiphenyl
Concen: 87.72 ng
RT: 8.94 min Scan# 643
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:172 Resp: 1422641

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	24.7	19.8	29.8

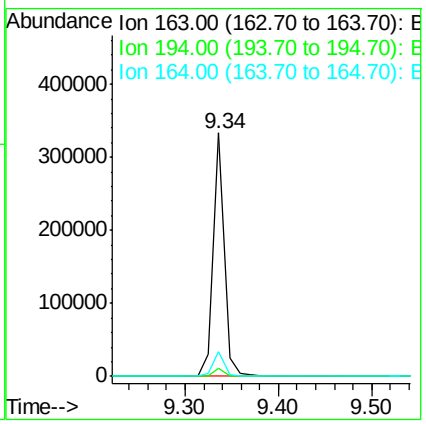




#49
Dimethylphthalate
Concen: 13.28 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:163 Resp: 272207

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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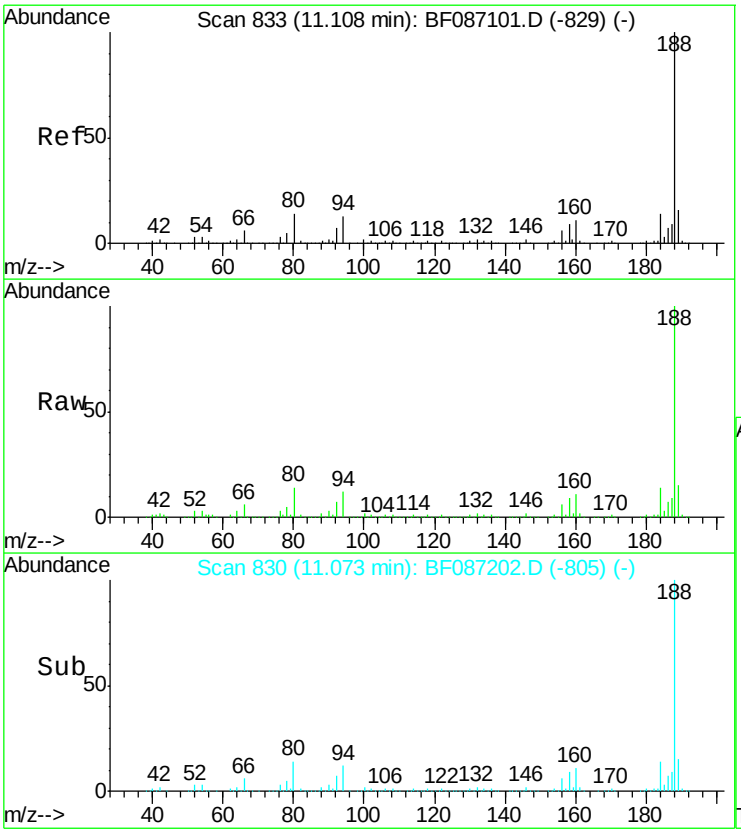
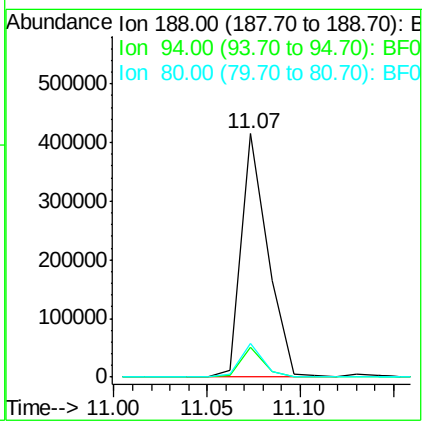
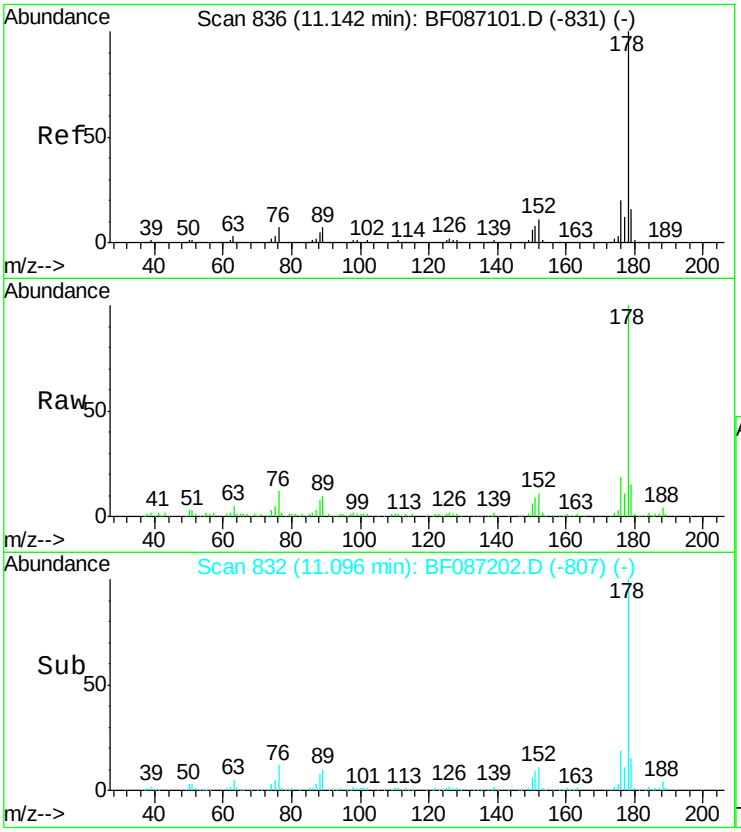


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:188 Resp: 412063

Ion	Ratio	Lower	Upper
188	100		
94	12.1	6.8	10.2#
80	13.7	7.1	10.7#

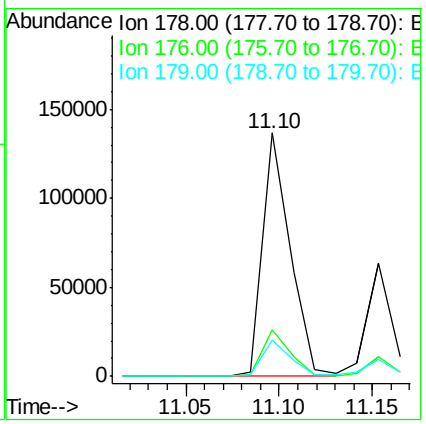




#70
Phenanthrene
Concen: 6.26 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:178 Resp: 139829

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.0	24.0
179	14.9	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Manual Integrations APPROVED
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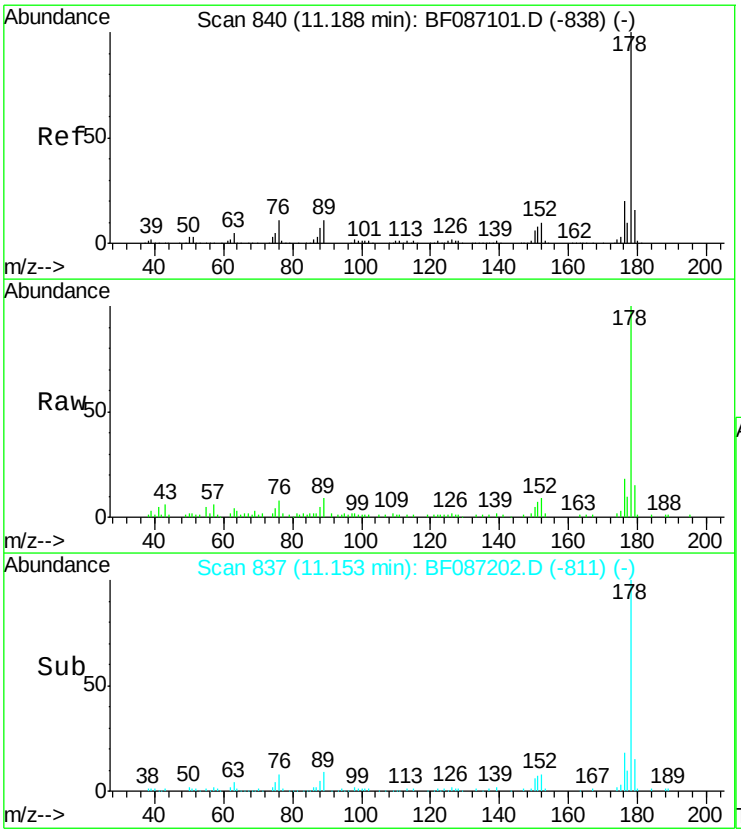
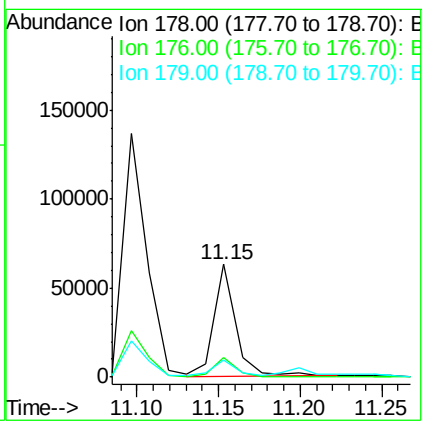
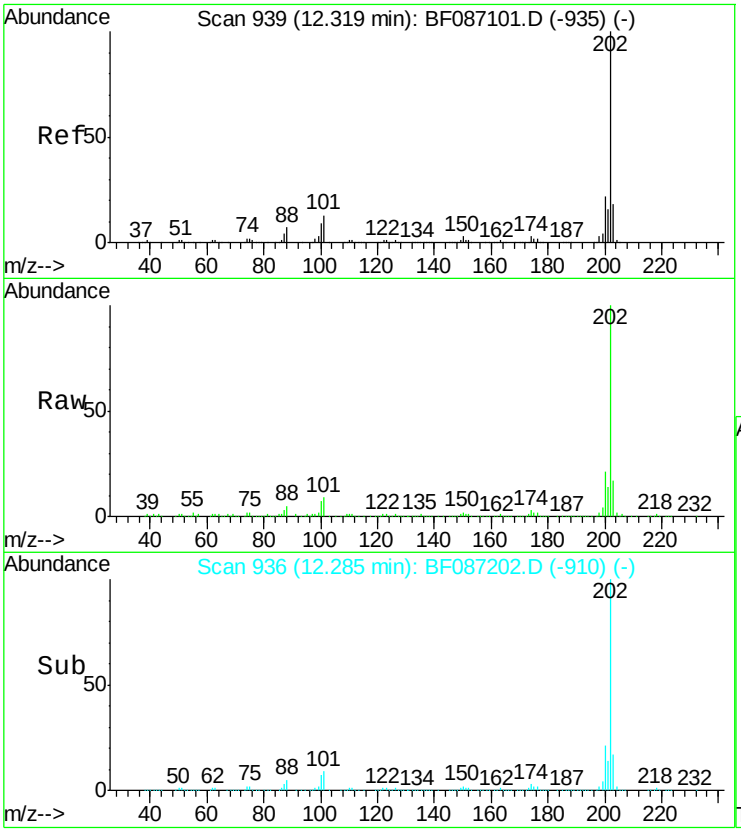


#71
Anthracene
Concen: 2.59 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:178 Resp: 58504

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	15.3	12.7	19.1

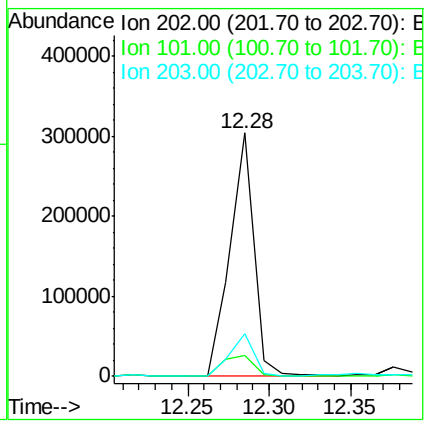




#74
Fluoranthene
Concen: 13.73 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:202 Resp: 307485

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	35.4
203	17.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Manual Integrations APPROVED
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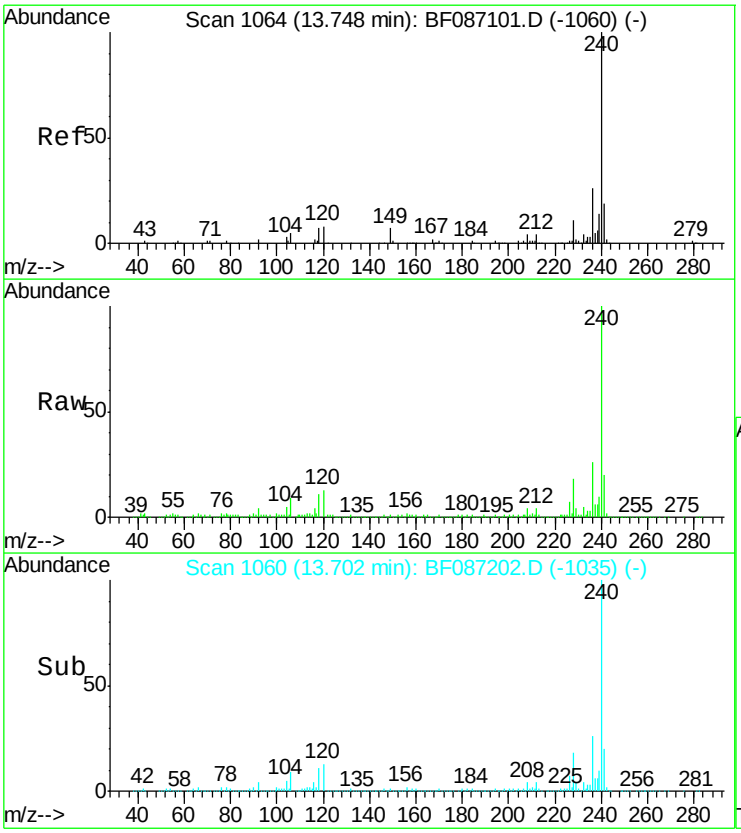
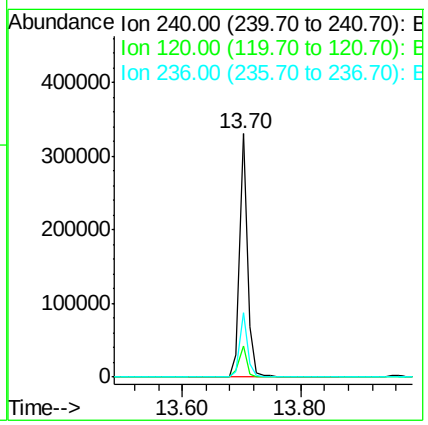
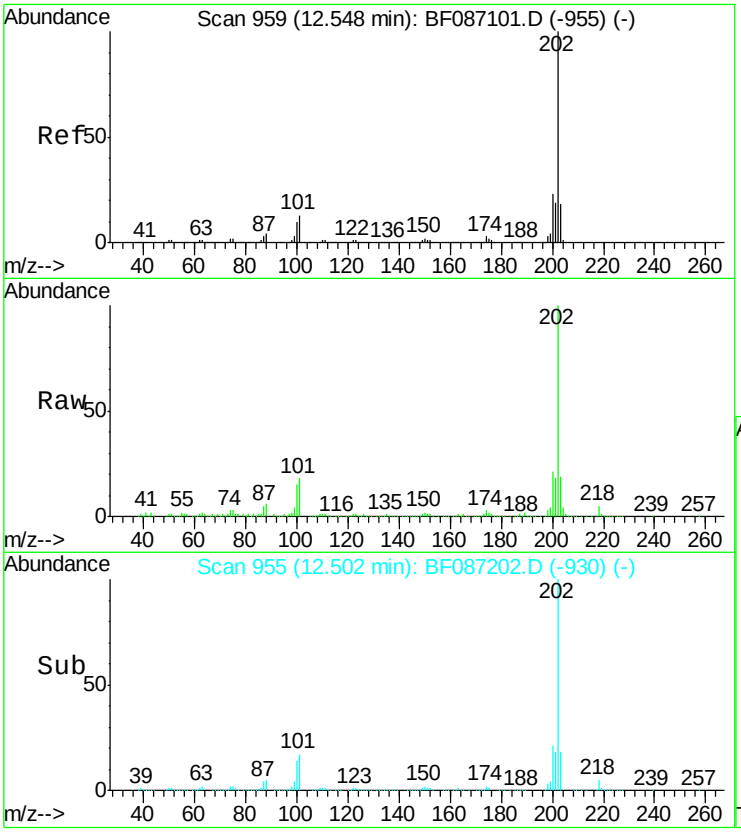


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:240 Resp: 307622

Ion	Ratio	Lower	Upper
240	100		
120	13.0	11.2	16.8
236	26.5	21.2	31.8

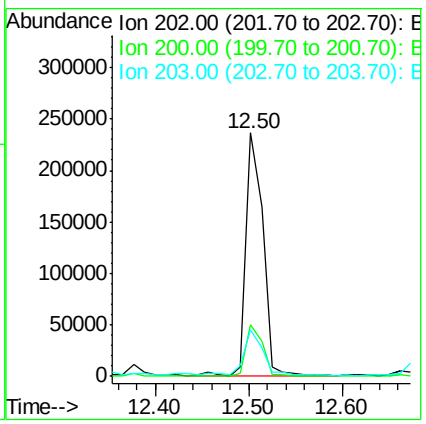




#77
Pyrene
Concen: 13.25 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:202 Resp: 294389

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	19.4	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Manual Integrations APPROVED
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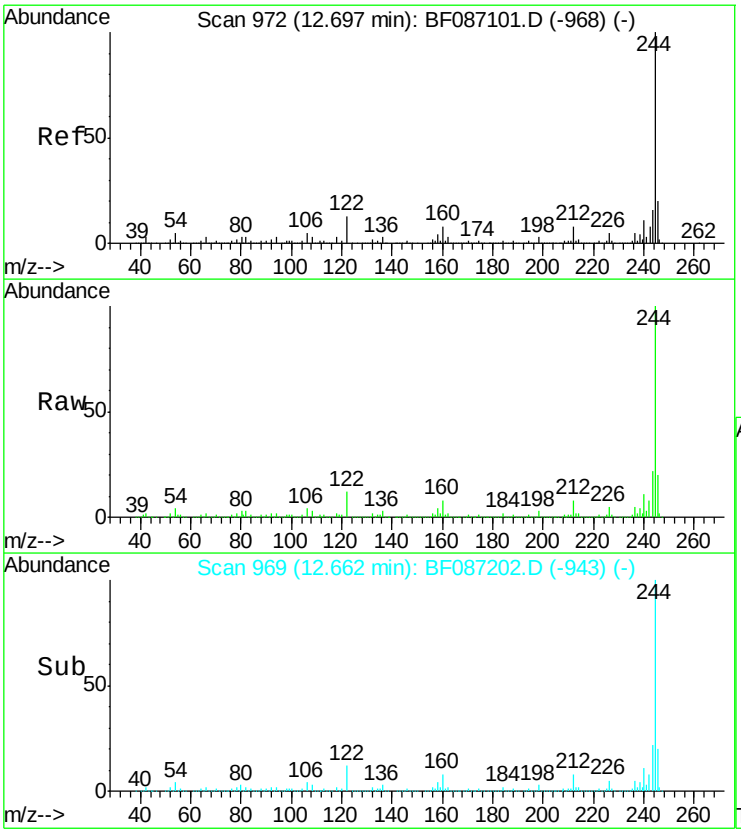
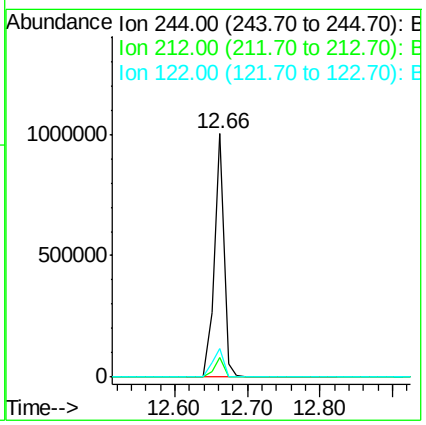
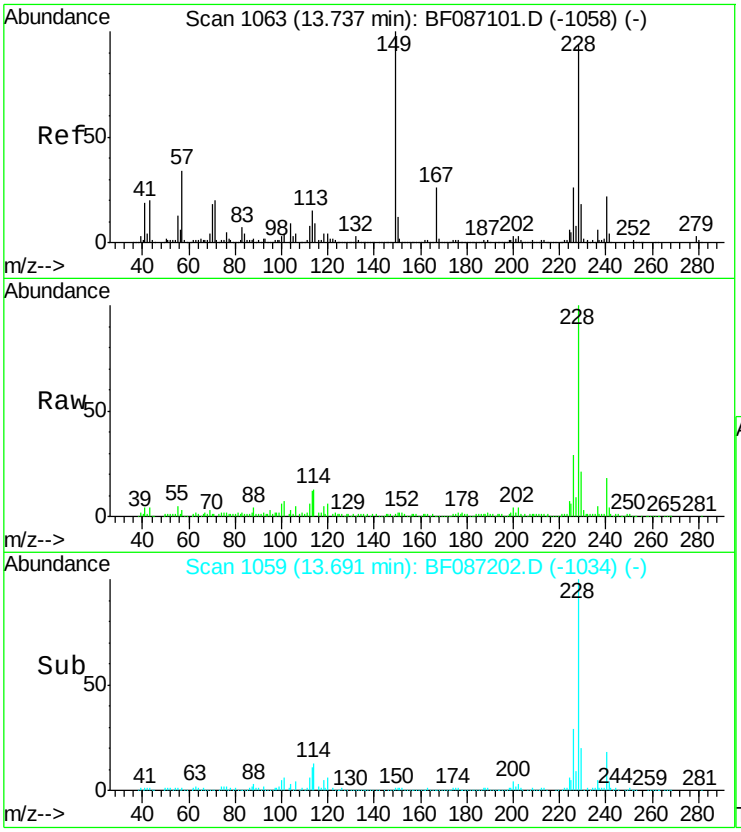


#78
Terphenyl-d14
Concen: 67.81 ng
RT: 12.66 min Scan# 969
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:244 Resp: 922183

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	11.7	12.0	18.0#

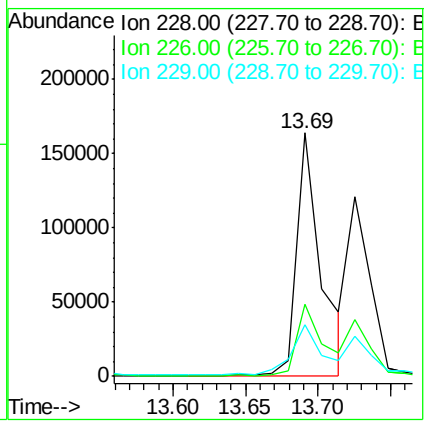




#80
Benzo(a)anthracene
Concen: 10.75 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:228 Resp: 191206

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.5	33.7
229	21.0	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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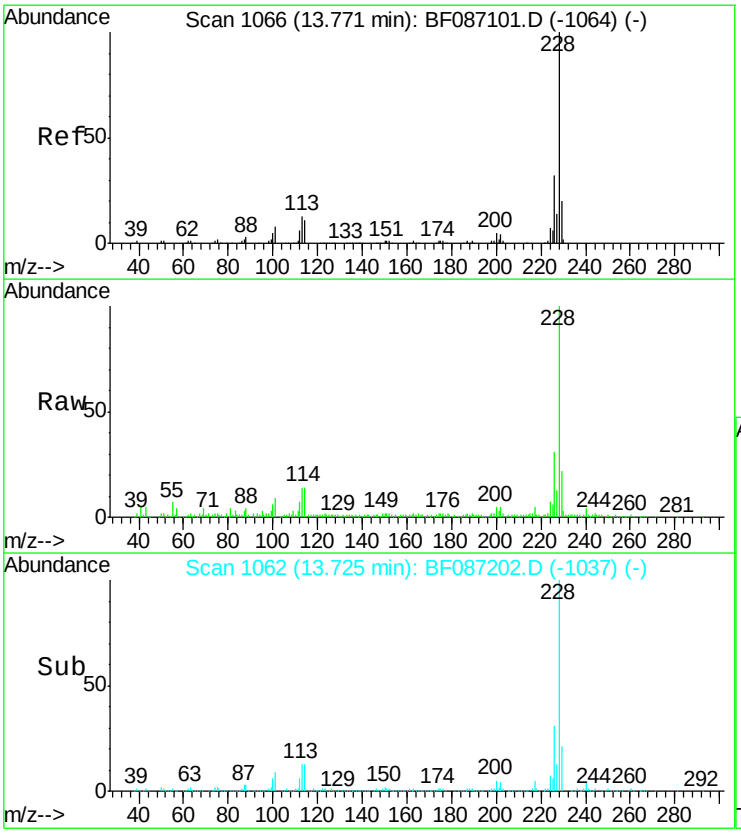
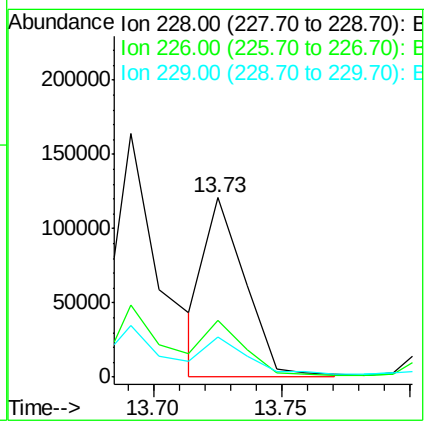
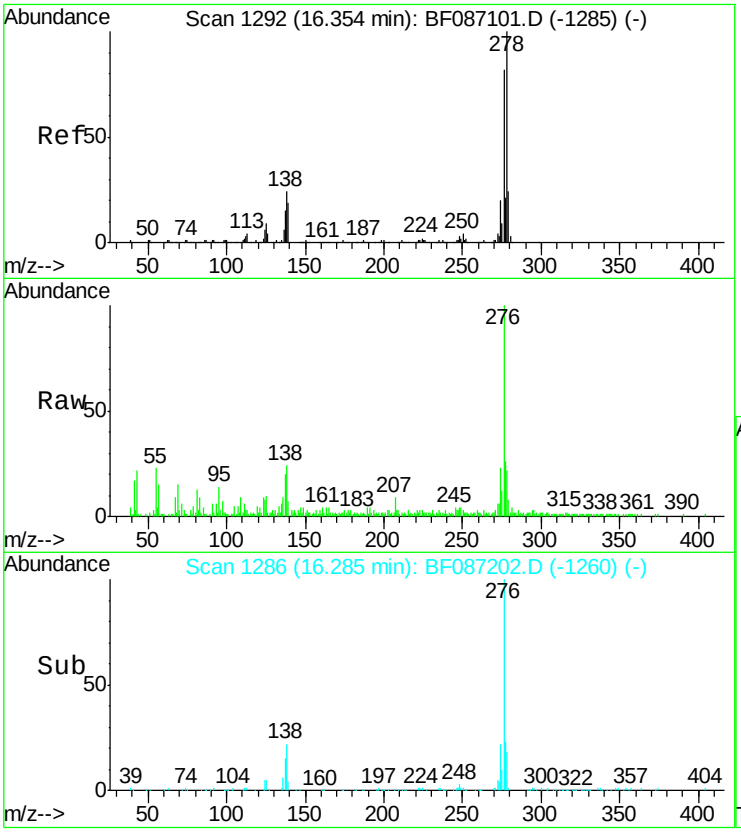


#82
Chrysene
Concen: 7.69 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:228 Resp: 132329

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.4	36.6
229	22.1	15.8	23.8





#85
Indeno(1,2,3-cd)pyrene
Concen: 5.57 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:276 Resp: 84149

Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.6	38.4#
277	26.1	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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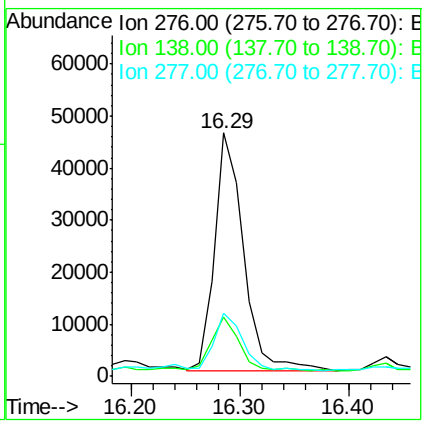
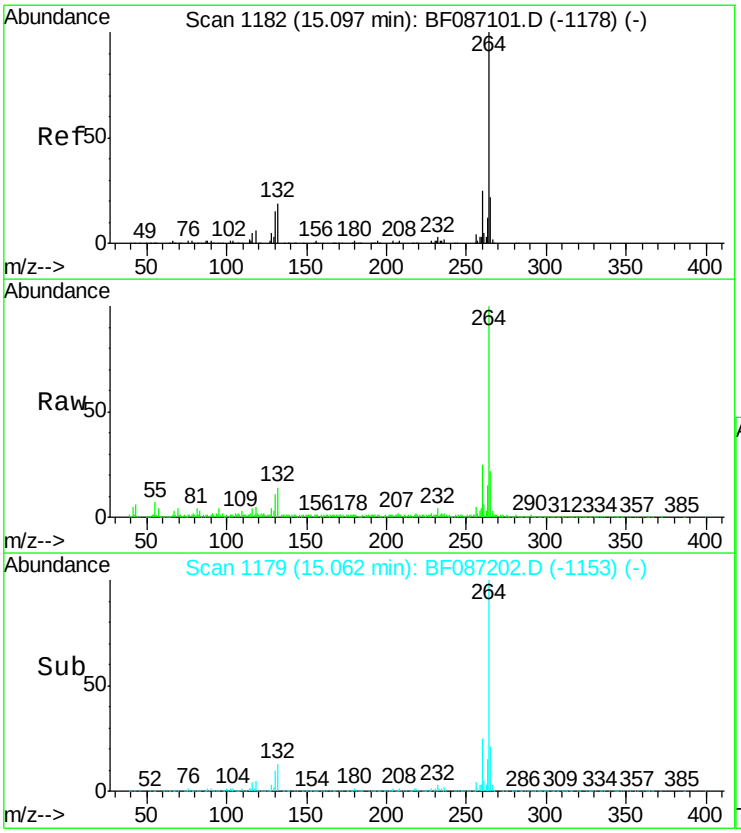
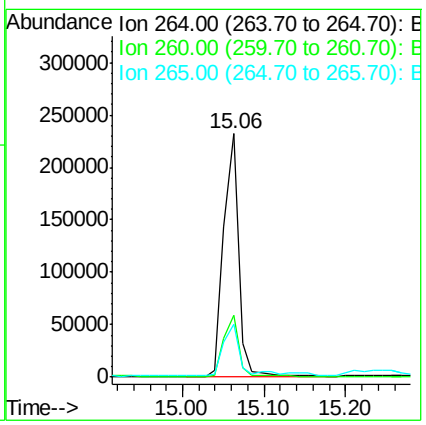


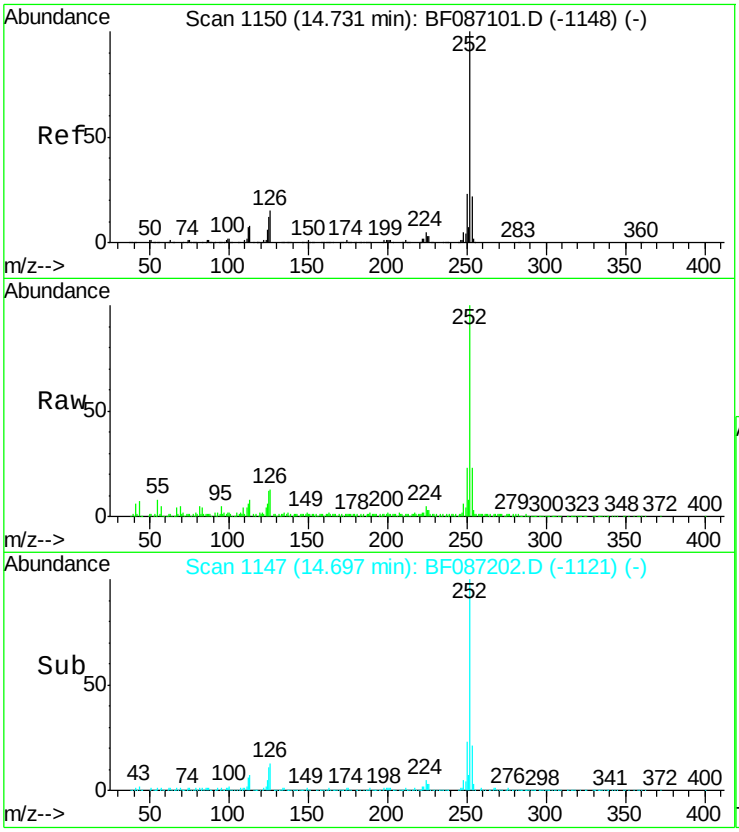


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:264 Resp: 293617

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	21.7	17.3	25.9

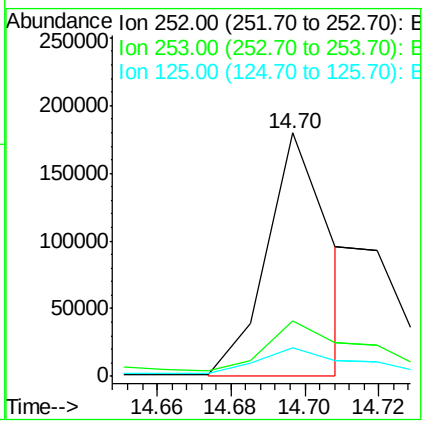




#87
Benzo(b)fluoranthene
Concen: 11.09 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:252 Resp: 215930

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.7	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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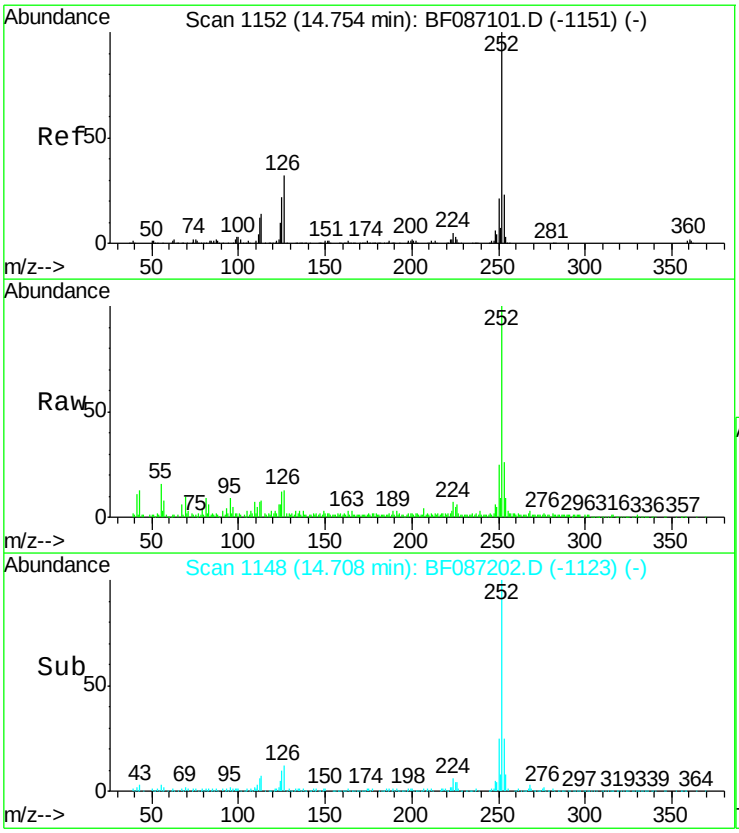
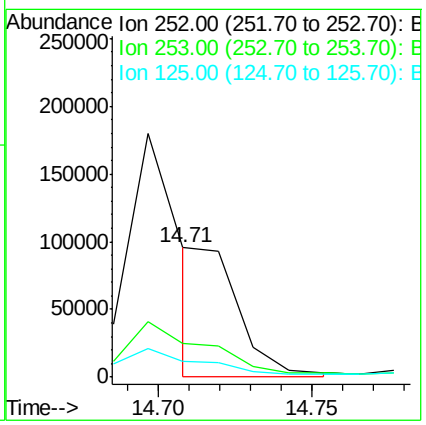
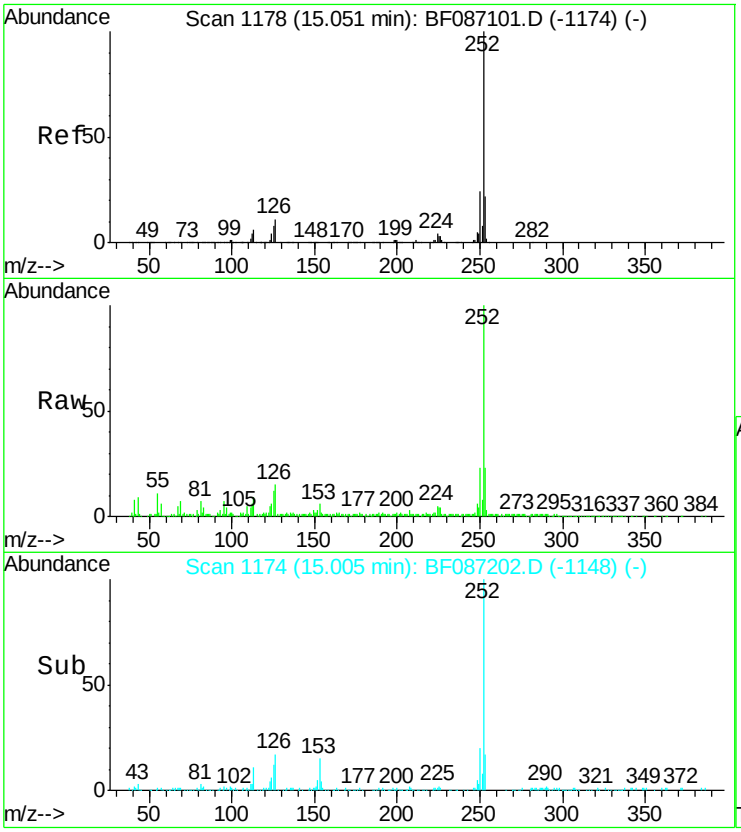


#88
Benzo(k)fluoranthene
Concen: 5.81 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:252 Resp: 84312

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.6
125	12.2	9.1	13.7

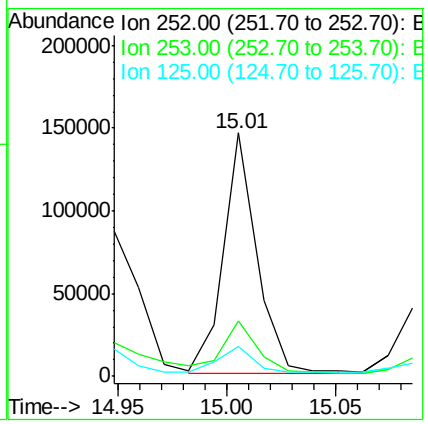




#89
Benzo(a)pyrene
Concen: 9.61 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:252 Resp: 156439

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	12.2	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

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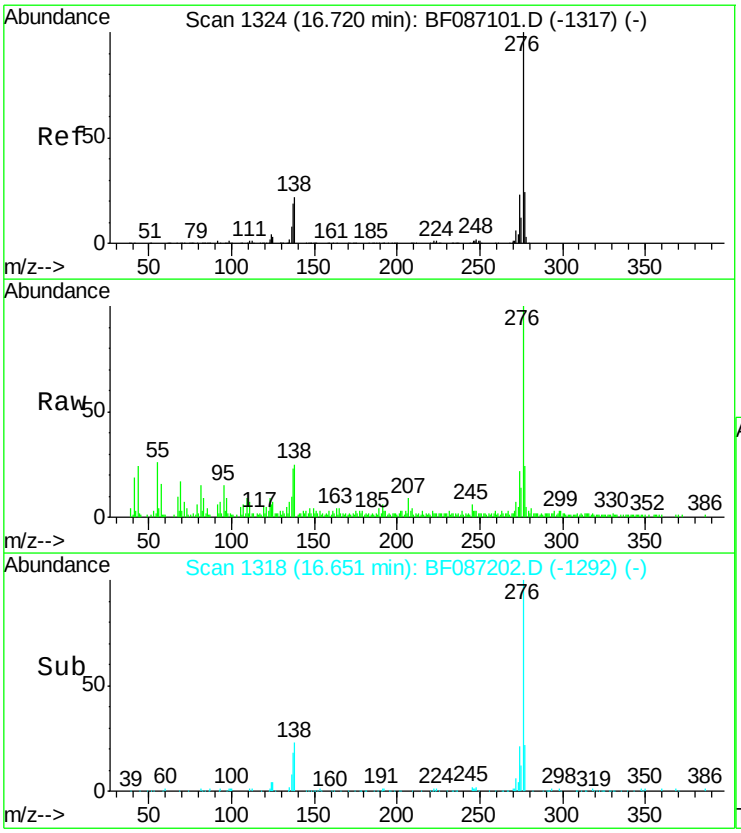

#91
Benzo(g,h,i)perylene
Concen: 5.80 ng
RT: 16.65 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF087202.D
Acq: 19 May 2016 22:33

Tgt Ion:276 Resp: 80357

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.6	29.4
138	25.0	23.6	35.4