Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088635.D
Acq On : 2 Jul 2016 23:58
Operator : UM/SJ
Sample : H3769-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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Quant Time: Jul 03 05:00:12 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113873	20.00	ng		-0.01
21) Naphthalene-d8	8.08	136	464737	20.00	ng		-0.02
38) Acenaphthene-d10	9.83	164	186951	20.00	ng		-0.02
63) Phenanthrene-d10	11.31	188	307774	20.00	ng		-0.01
75) Chrysene-d12	13.94	240	225957	20.00	ng		-0.01
86) Perylene-d12	15.34	264	196437	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	725972	95.55	ng		-0.01
7) Phenol-d6	6.43	99	960715	97.86	ng		-0.01
23) Nitrobenzene-d5	7.36	82	587220	66.22	ng		-0.02
41) 2,4,6-Tribromophenol	10.62	330	153396	88.36	ng		-0.02
44) 2-Fluorobiphenyl	9.15	172	854702	72.22	ng		-0.02
78) Terphenyl-d14	12.89	244	542011	53.43	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	9.55	163	109417	8.22	ng		99
70) Phenanthrene	11.34	178	376694	22.39	ng		99
71) Anthracene	11.38	178	96514	5.77	ng		97
72) Carbazole	11.53	167	38197	2.43	ng		98
74) Fluoranthene	12.51	202	552686	32.40	ng		96
77) Pyrene	12.74	202	502672	26.24	ng		99
80) Benzo(a)anthracene	13.93	228	292292	20.09	ng		97
82) Chrysene	13.97	228	256326m	17.81	ng		
85) Indeno(1,2,3-cd)pyrene	16.67	276	122605	11.07	ng	#	100
87) Benzo(b)fluoranthene	14.95	252	321809m	26.12	ng		
88) Benzo(k)fluoranthene	14.96	252	83028m	7.74	ng		
89) Benzo(a)pyrene	15.28	252	203746	19.53	ng		98
90) Dibenzo(a,h)anthracene	16.69	278	31891	3.66	ng	#	86
91) Benzo(g,h,i)perylene	17.09	276	113551	12.60	ng		97

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

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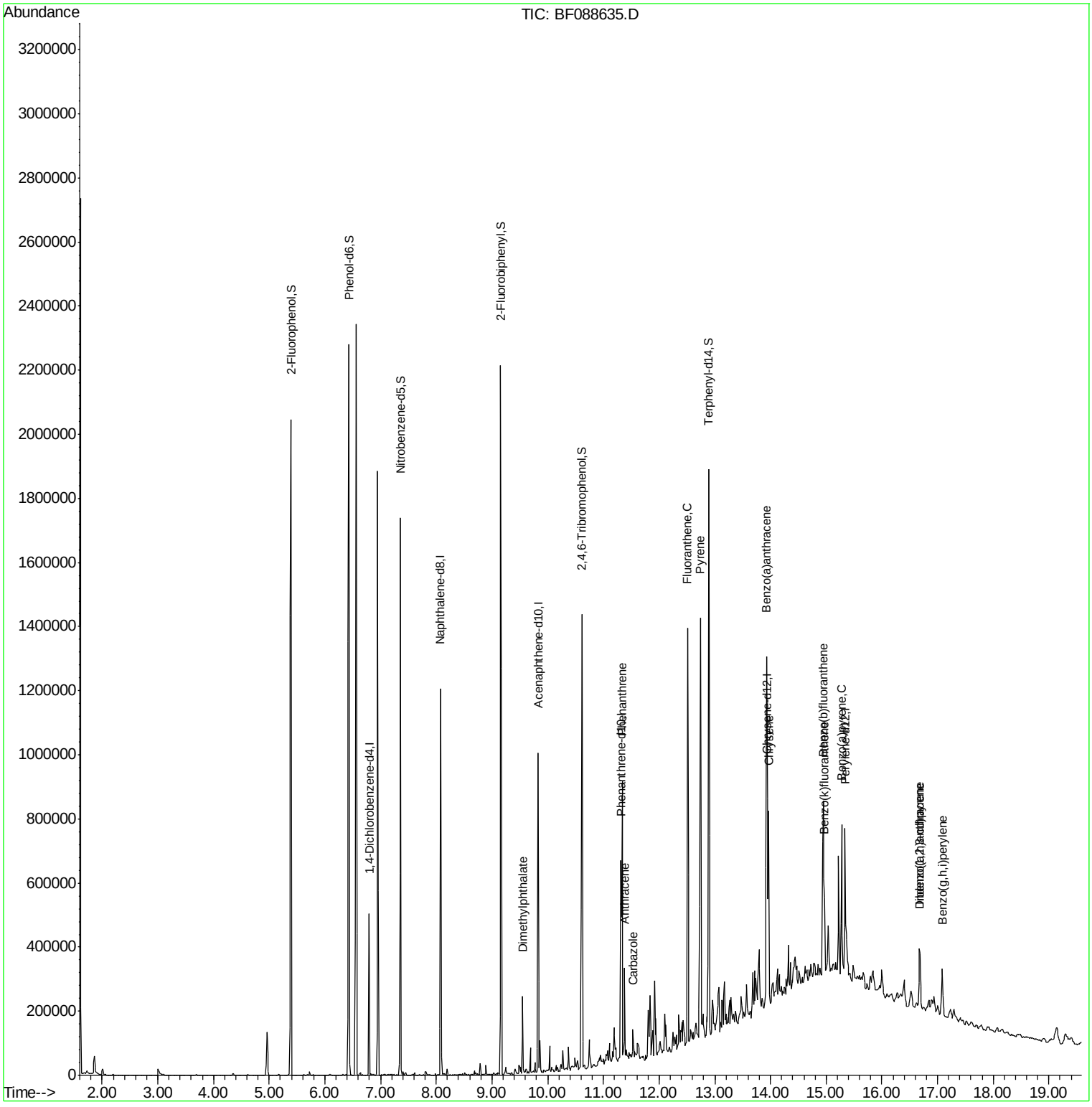
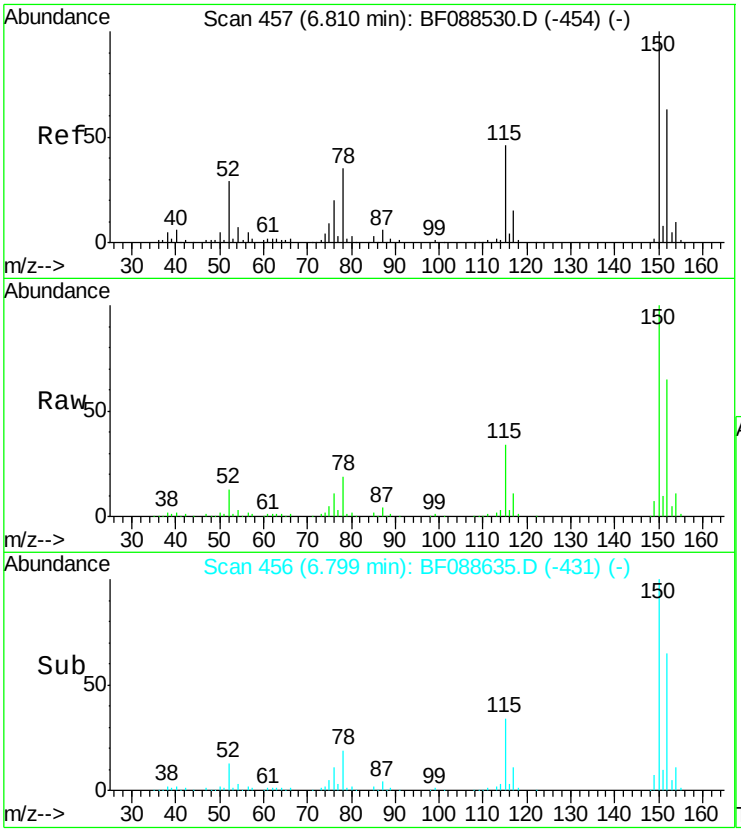
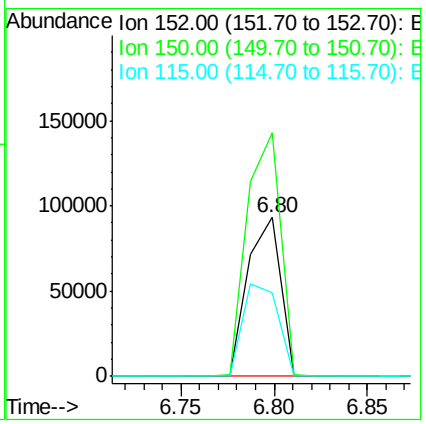




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:152 Resp: 113873

Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.6
115	52.6	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

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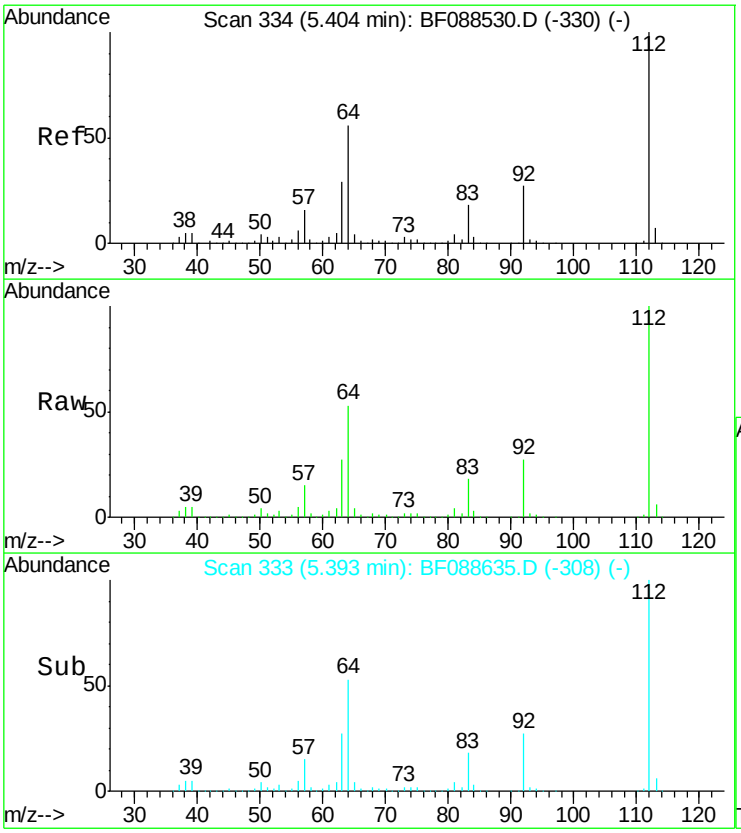
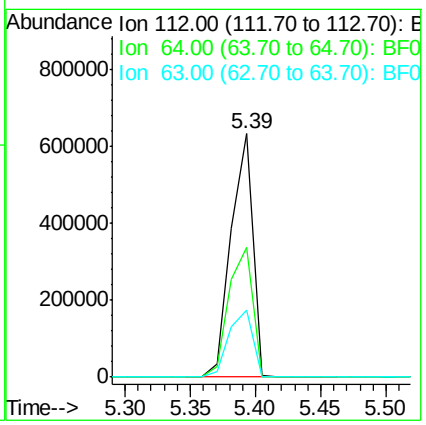
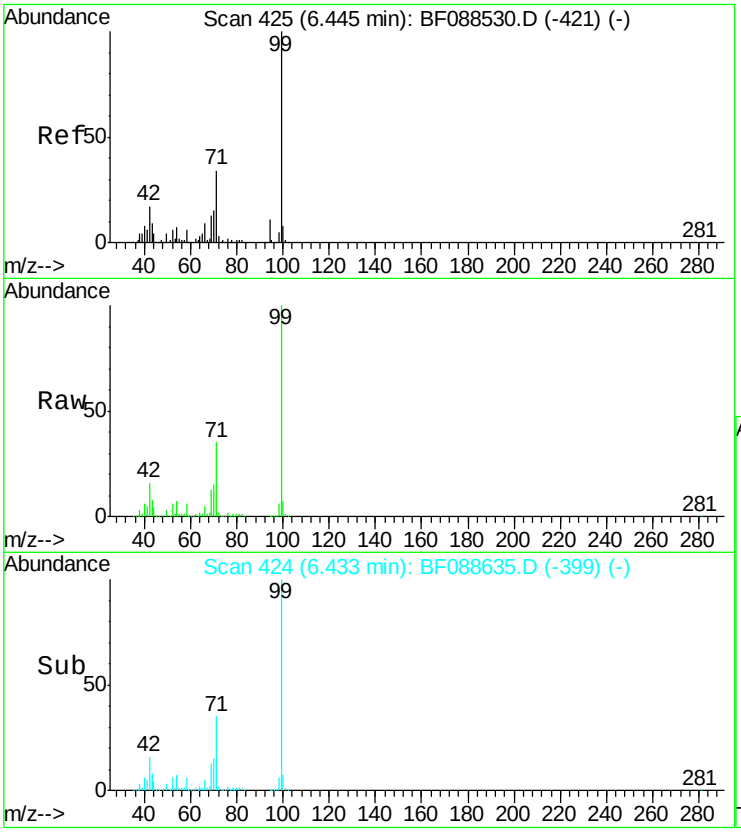


#5
2-Fluorophenol
Concen: 95.55 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:112 Resp: 725972

Ion	Ratio	Lower	Upper
112	100		
64	53.1	42.2	63.2
63	27.4	21.8	32.8

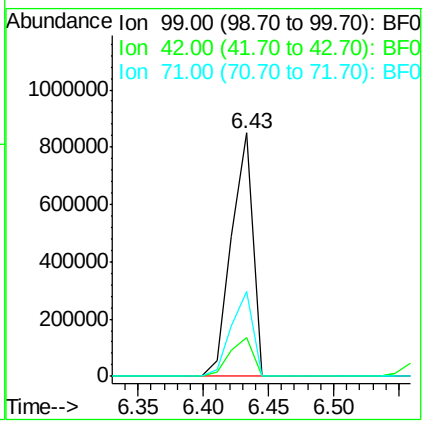




#7
Phenol-d6
Concen: 97.86 ng
RT: 6.43 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion: 99 Resp: 960715

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.2	18.2
71	34.6	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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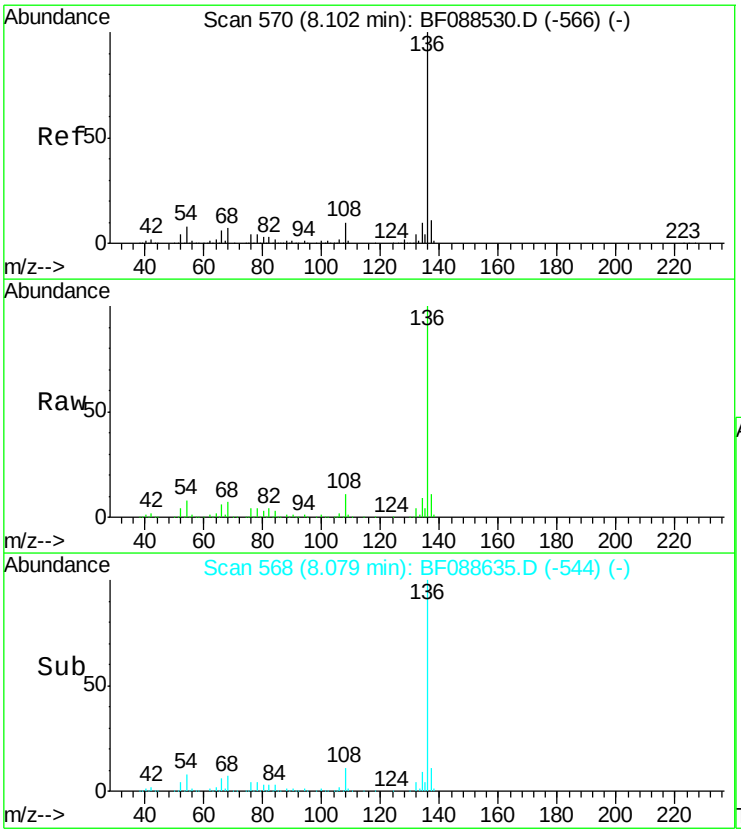
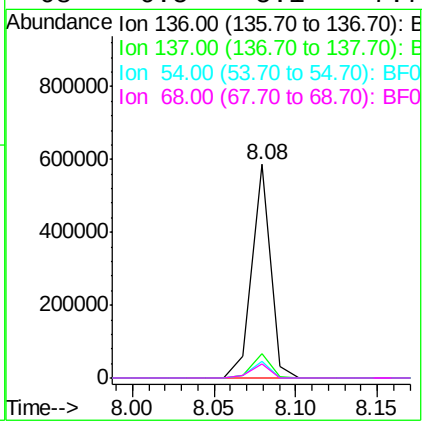
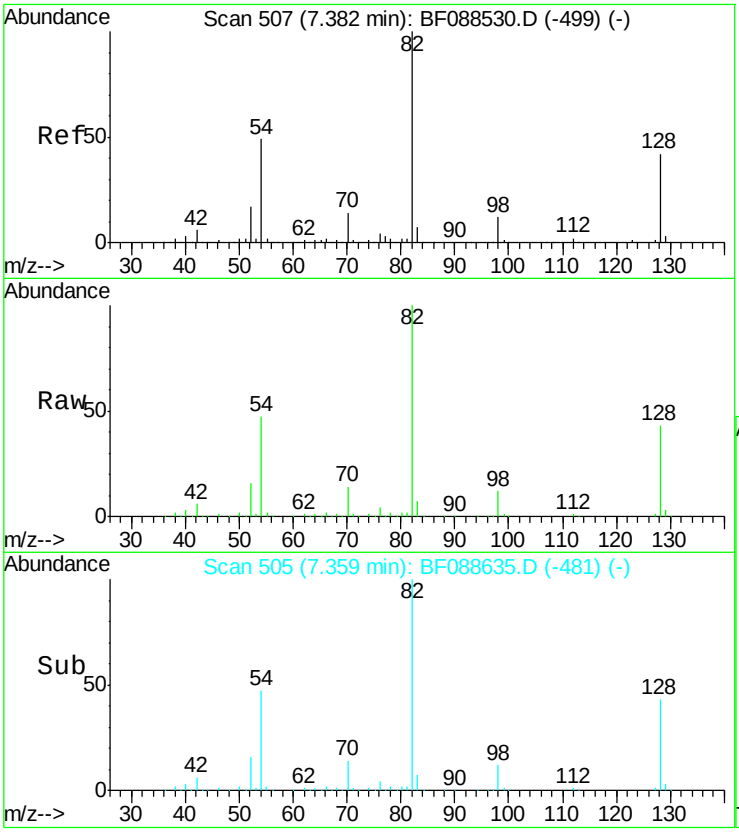


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:136 Resp: 464737

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.1	6.6	10.0
68	6.5	5.1	7.7

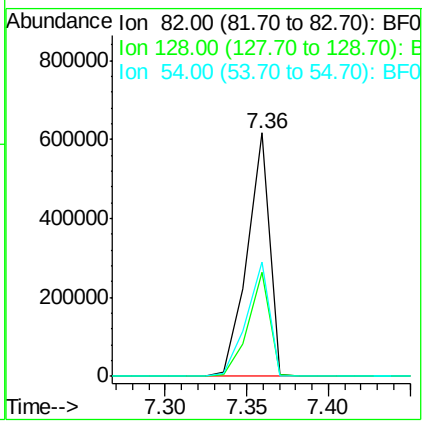




#23
Nitrobenzene-d5
Concen: 66.22 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion: 82 Resp: 587220

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.9	53.9
54	46.9	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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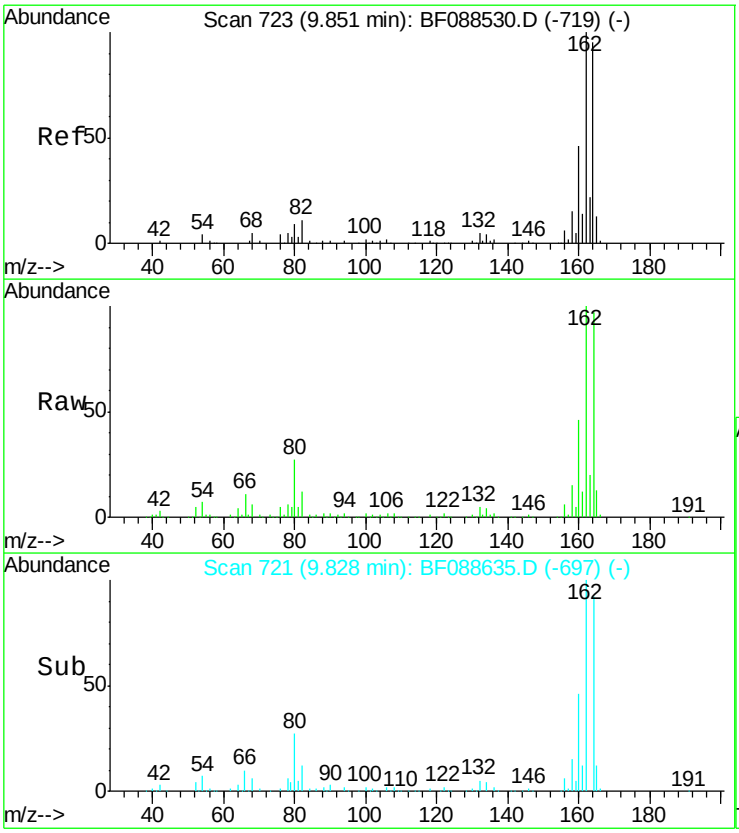
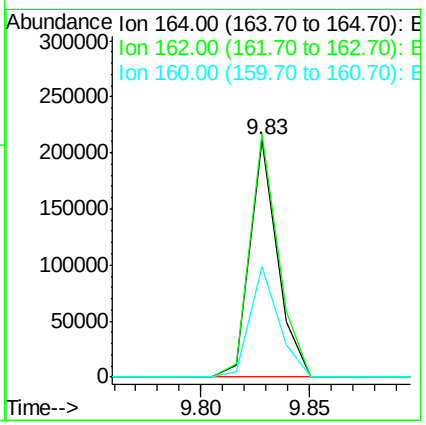
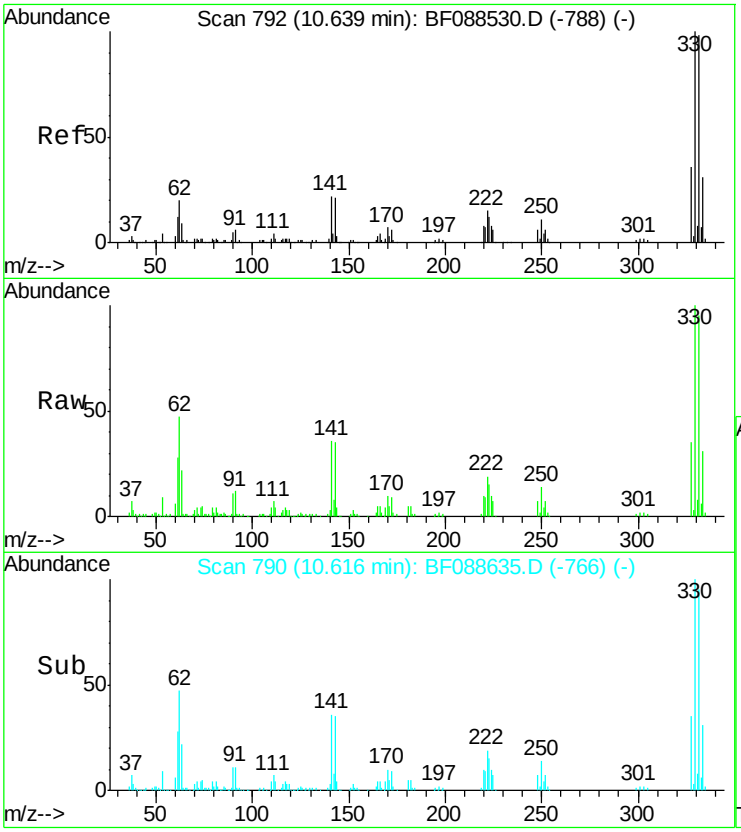


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:164 Resp: 186951

Ion	Ratio	Lower	Upper
164	100		
162	102.6	85.4	128.2
160	46.8	39.5	59.3

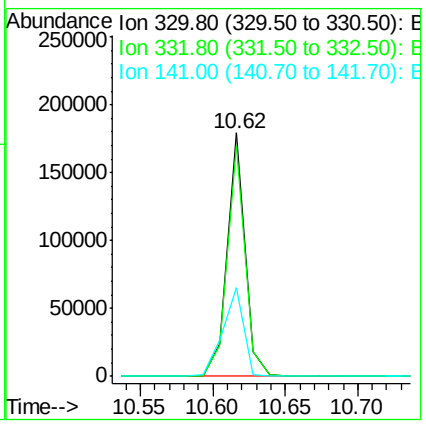




#41
2,4,6-Tribromophenol
Concen: 88.36 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:330 Resp: 153396

Ion	Ratio	Lower	Upper
330	100		
332	95.2	0.0	0.0#
141	43.0	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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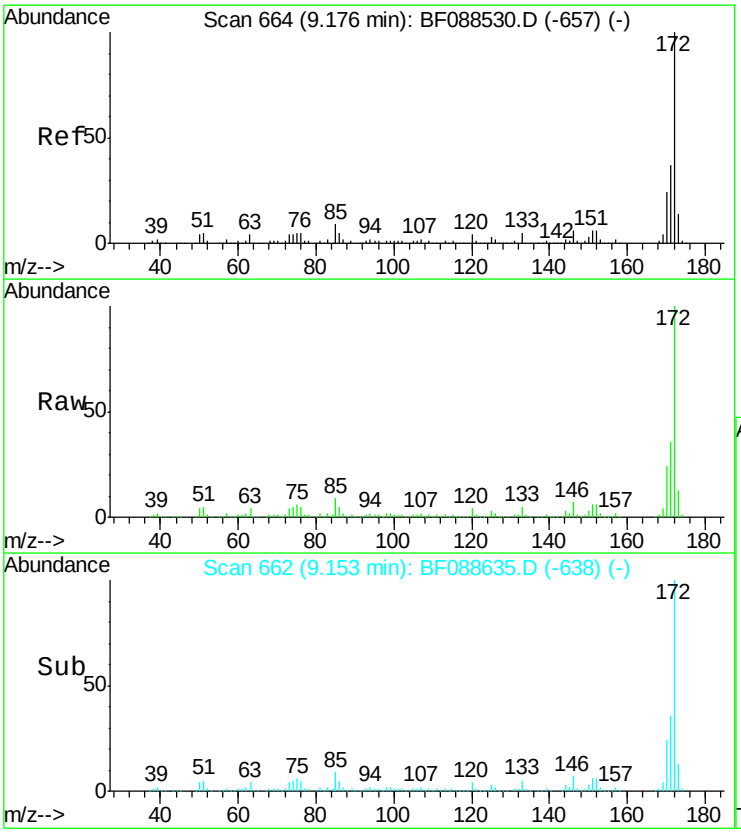
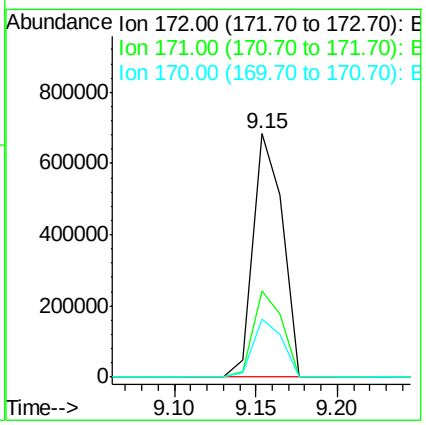
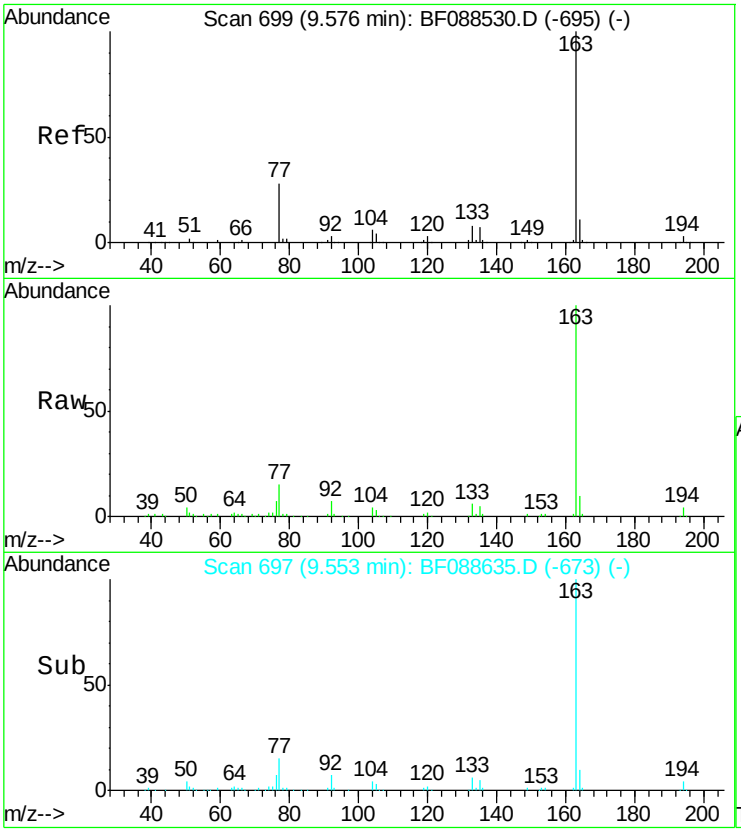


#44
2-Fluorobiphenyl
Concen: 72.22 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:172 Resp: 854702

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.7	19.2	28.8

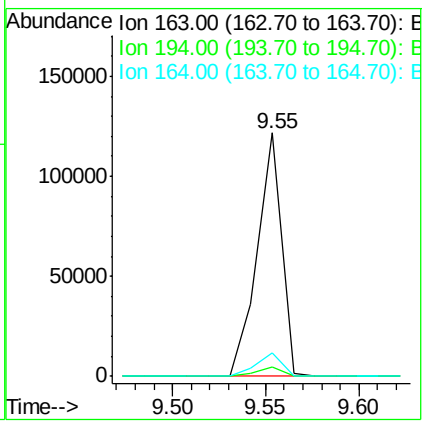




#49
Dimethylphthalate
Concen: 8.22 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:163 Resp: 109417

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.8	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
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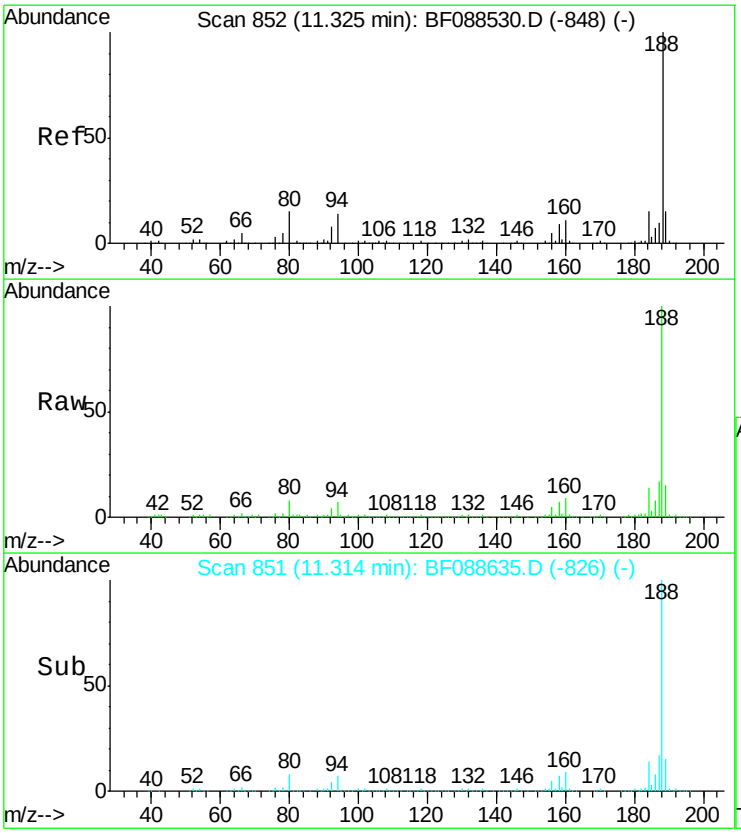
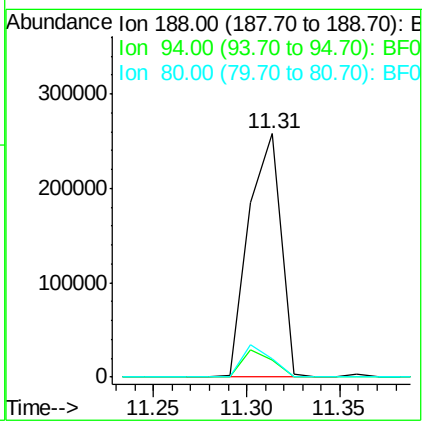
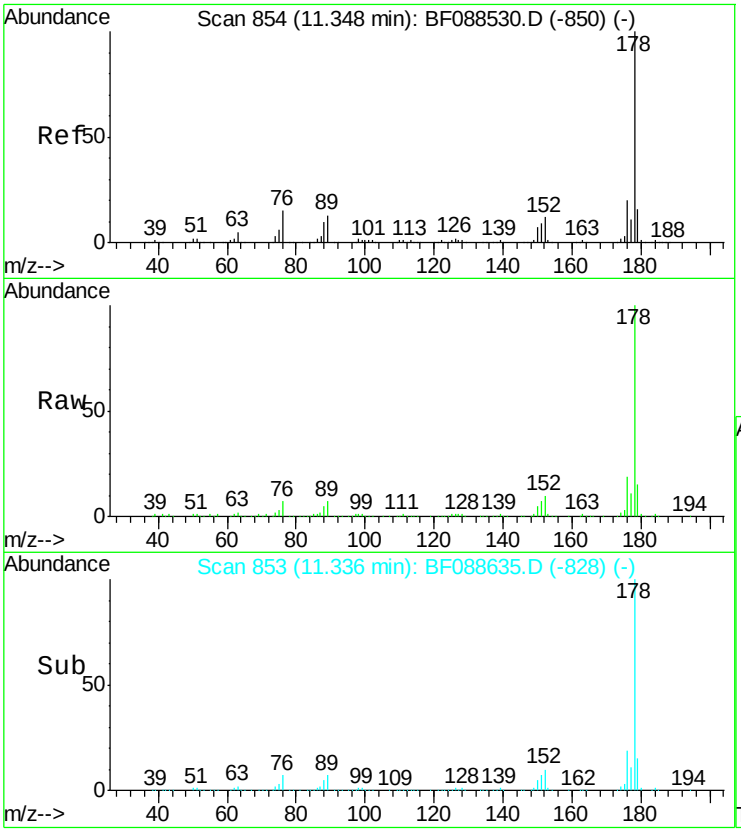


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:188 Resp: 307774

Ion	Ratio	Lower	Upper
188	100		
94	7.1	9.0	13.6#
80	7.6	10.0	15.0#

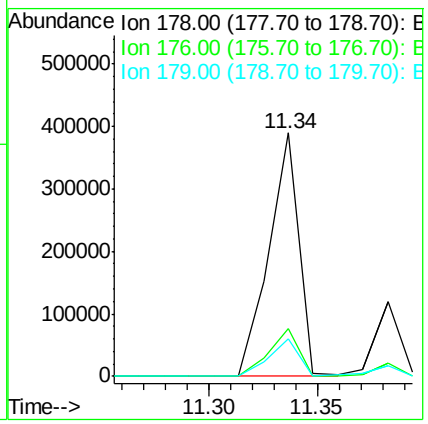




#70
Phenanthrene
Concen: 22.39 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:178 Resp: 376694

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.3	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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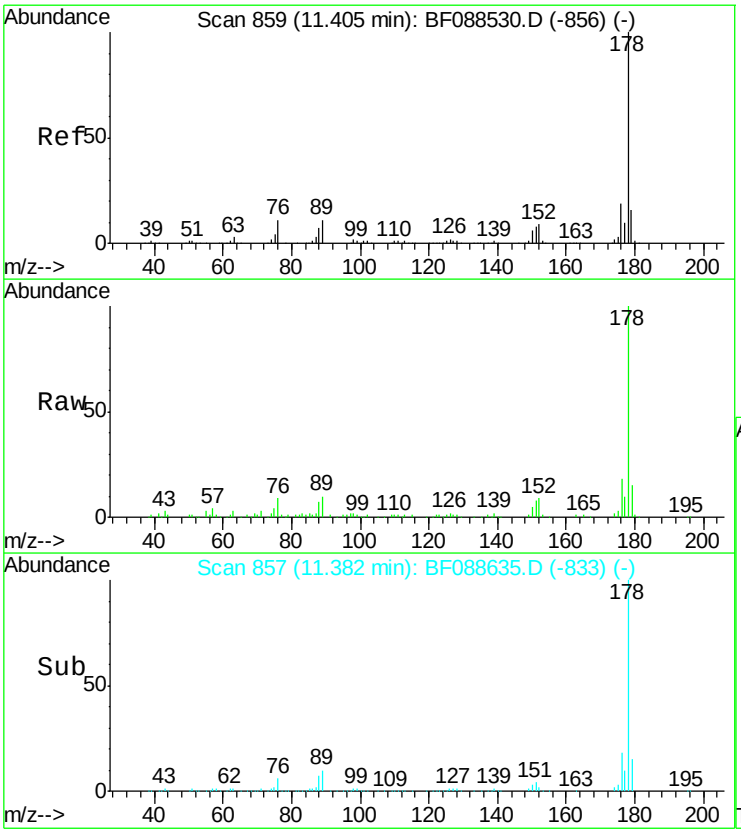
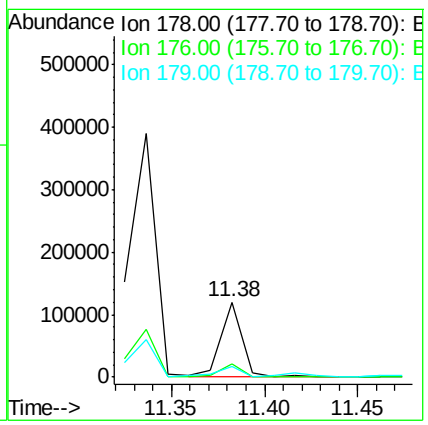
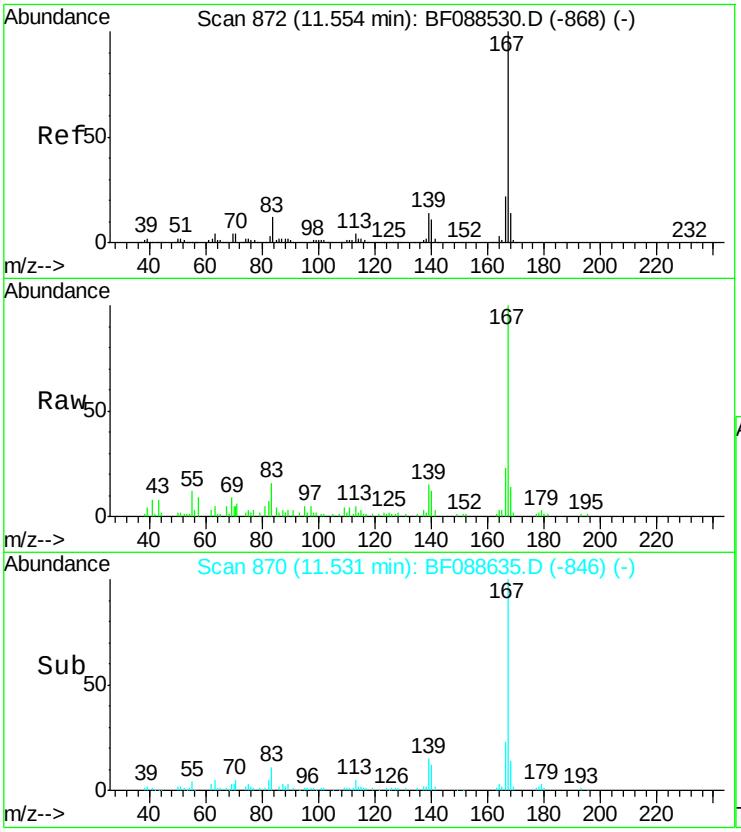


#71
Anthracene
Concen: 5.77 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:178 Resp: 96514

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.0	12.8	19.2

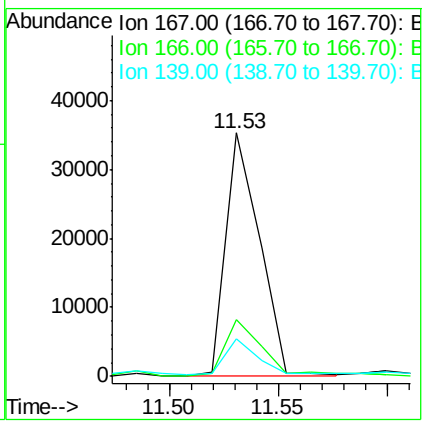




#72
Carbazole
Concen: 2.43 ng
RT: 11.53 min Scan# 870
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:167 Resp: 38197

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.8	26.6
139	15.5	11.2	16.8



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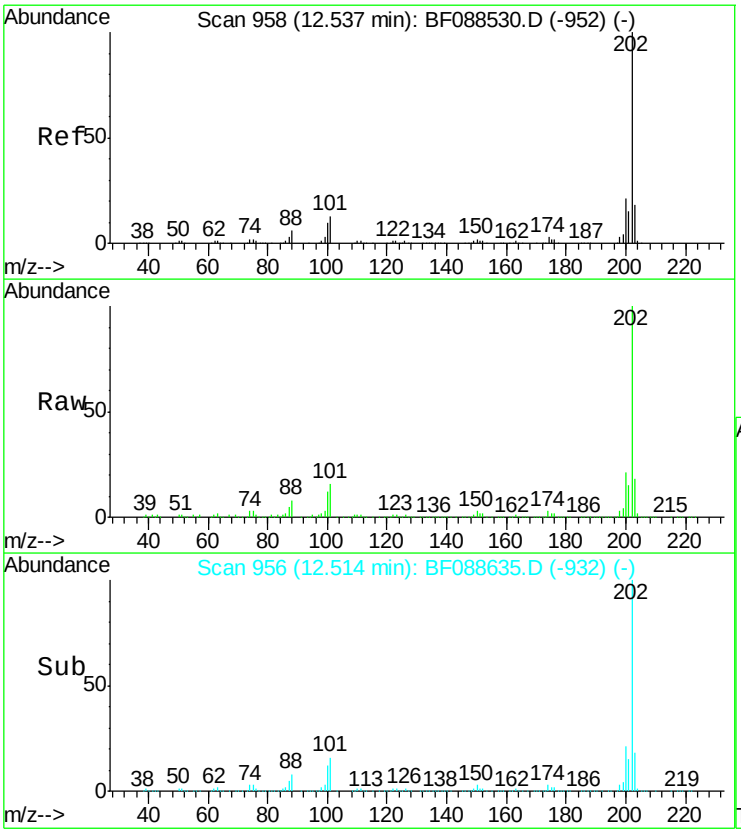
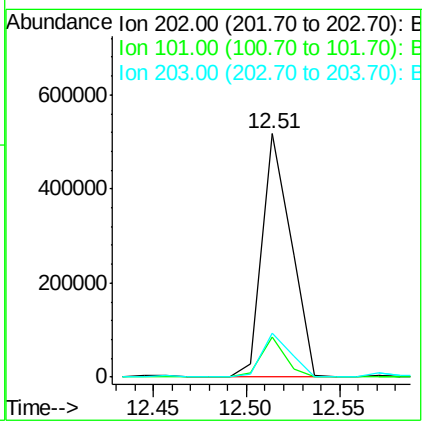
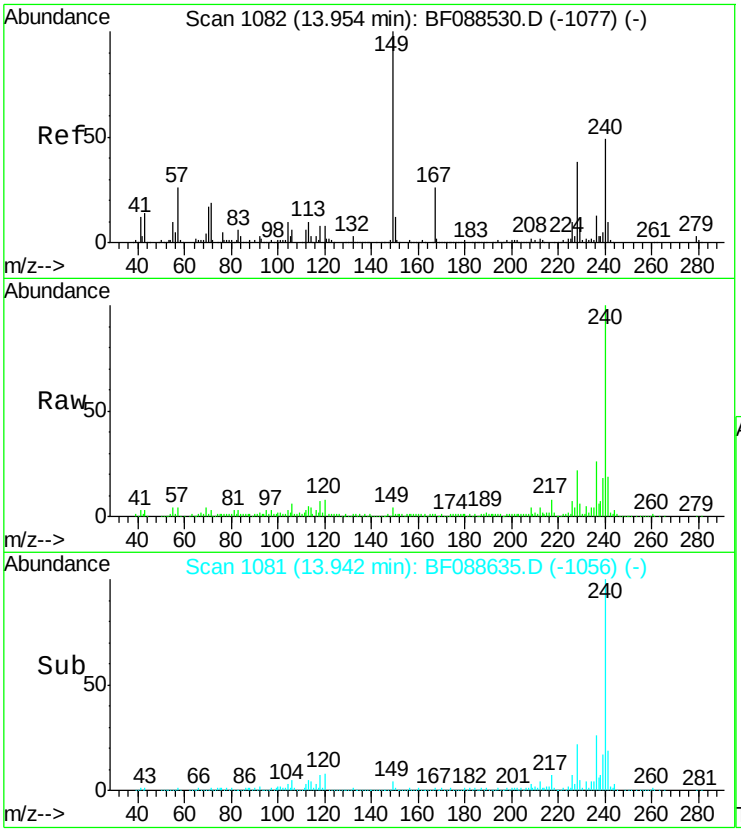


#74
Fluoranthene
Concen: 32.40 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:202 Resp: 552686

Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	33.1
203	18.2	0.0	38.1

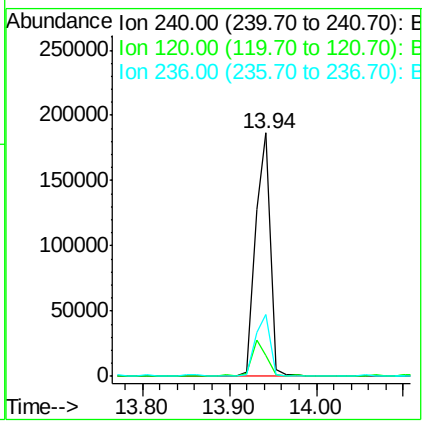




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:240 Resp: 225957

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.8	10.2
236	25.5	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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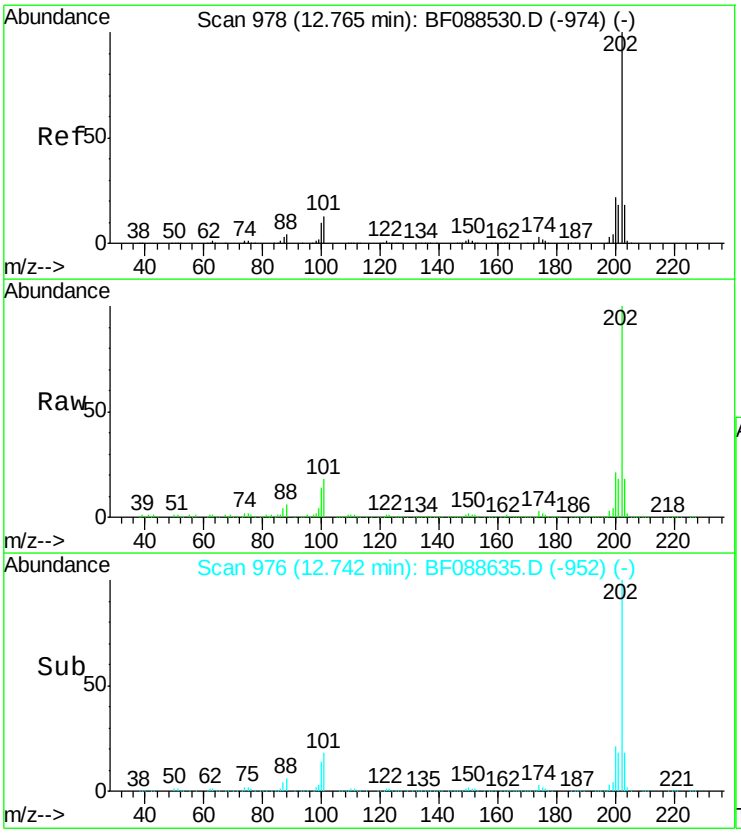
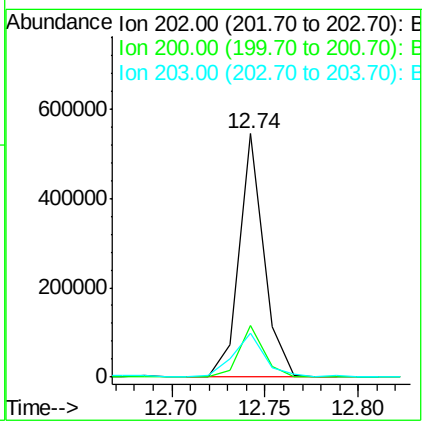
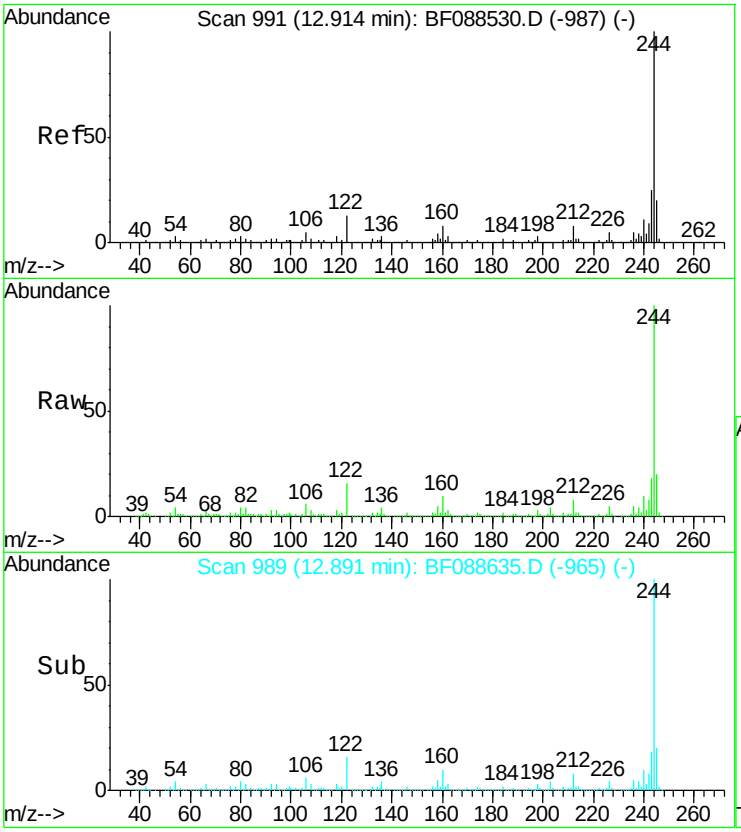


#77
Pyrene
Concen: 26.24 ng
RT: 12.74 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:202 Resp: 502672

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.2	14.5	21.7

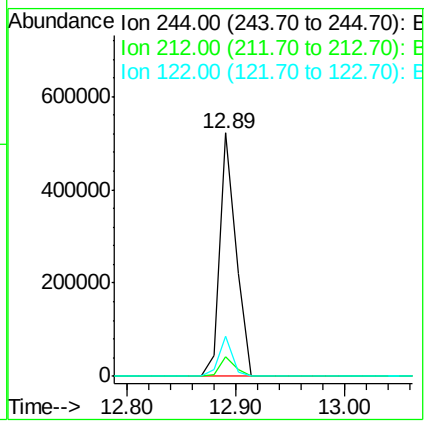




#78
Terphenyl-d14
Concen: 53.43 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:244 Resp: 542011

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	16.5	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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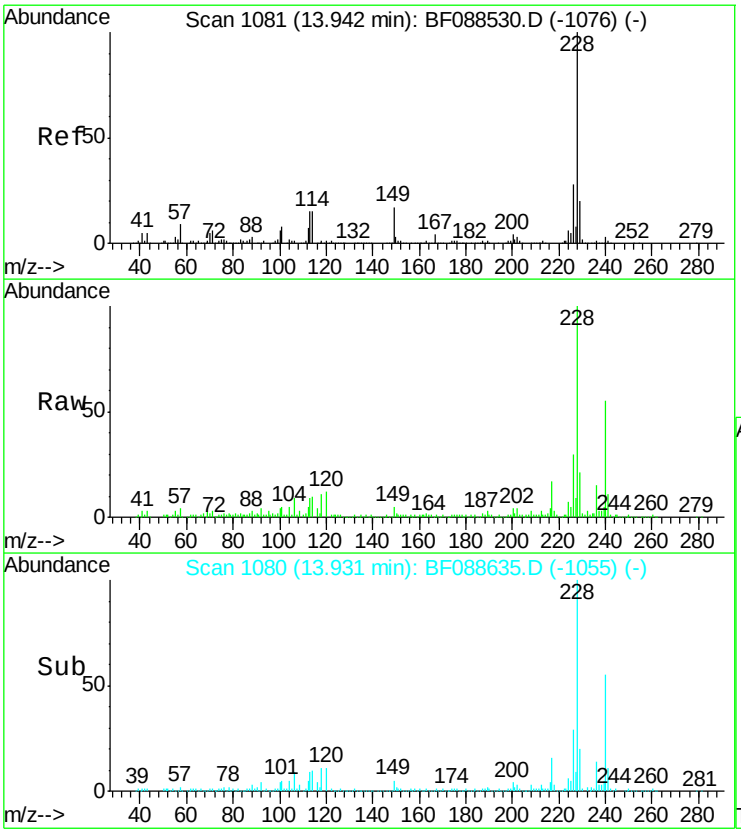
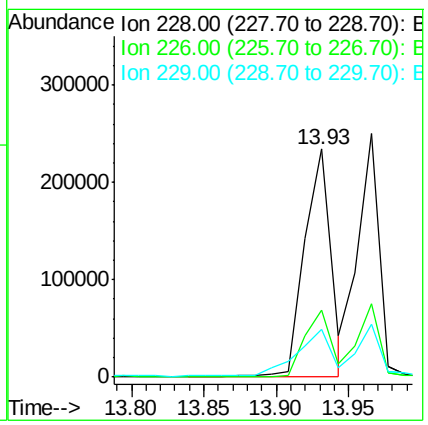
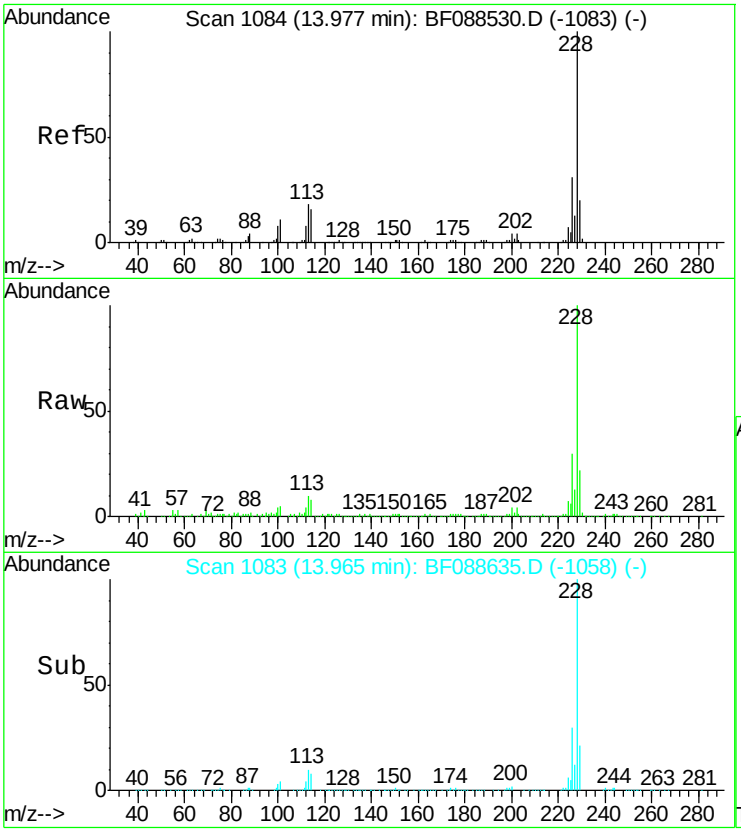


#80
Benzo(a)anthracene
Concen: 20.09 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:228 Resp: 292292

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	21.0	16.0	24.0

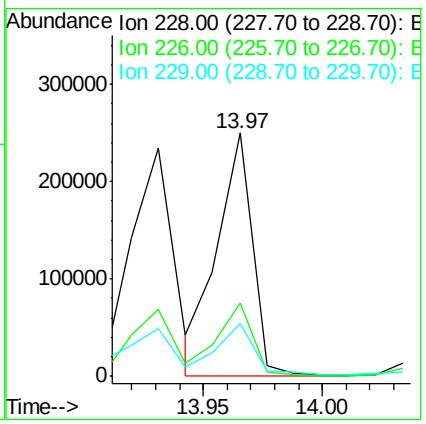




#82
Chrysene
Concen: 17.81 ng m
RT: 13.97 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:228 Resp: 256326

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	21.9	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

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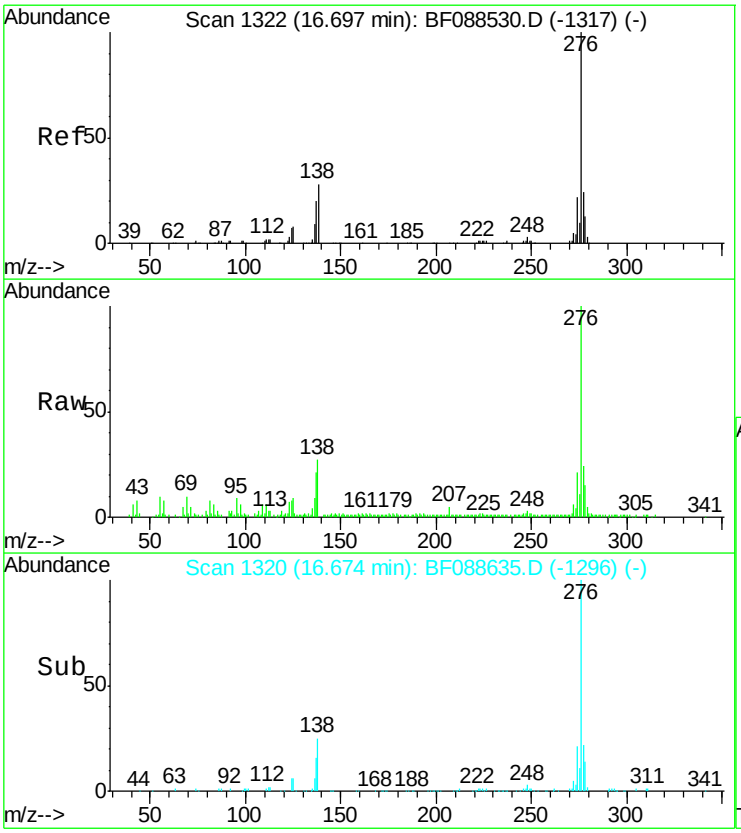
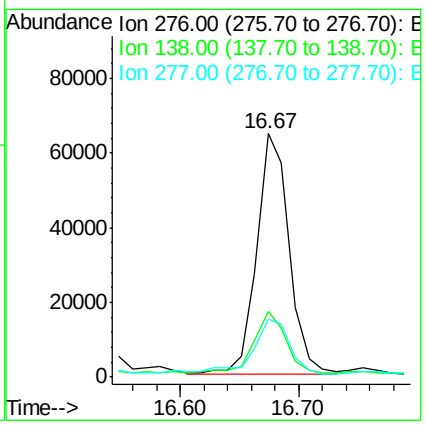
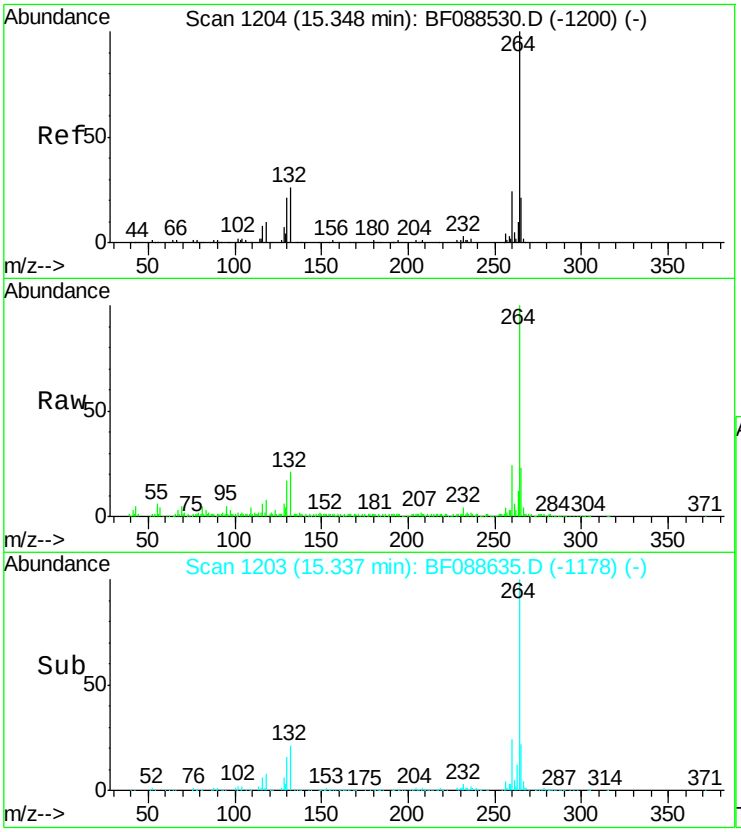


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.07 ng
RT: 16.67 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:276 Resp: 122605

Ion	Ratio	Lower	Upper
276	100		
138	25.8	0.0	0.0#
277	27.1	0.0	0.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:264 Resp: 196437

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.7	16.9	25.3

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

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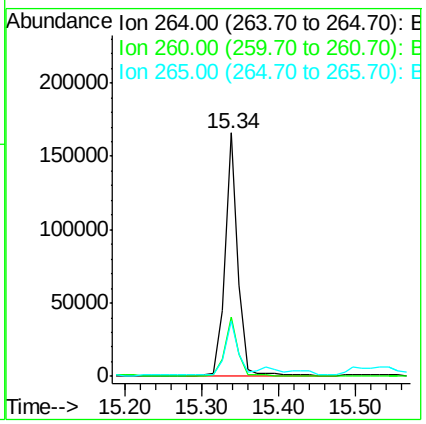
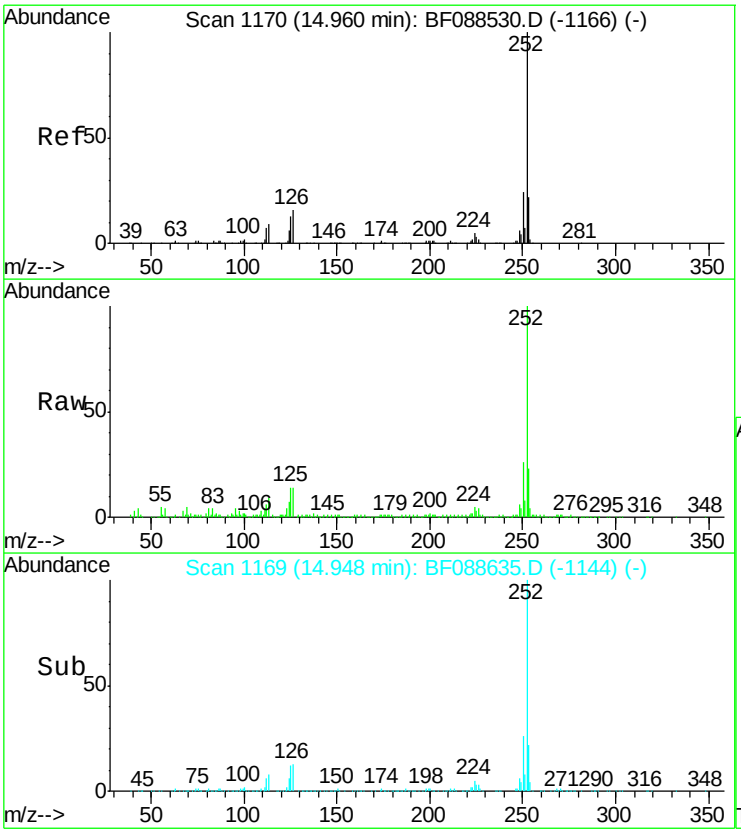
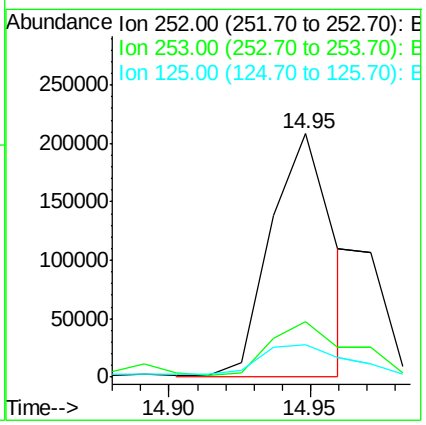


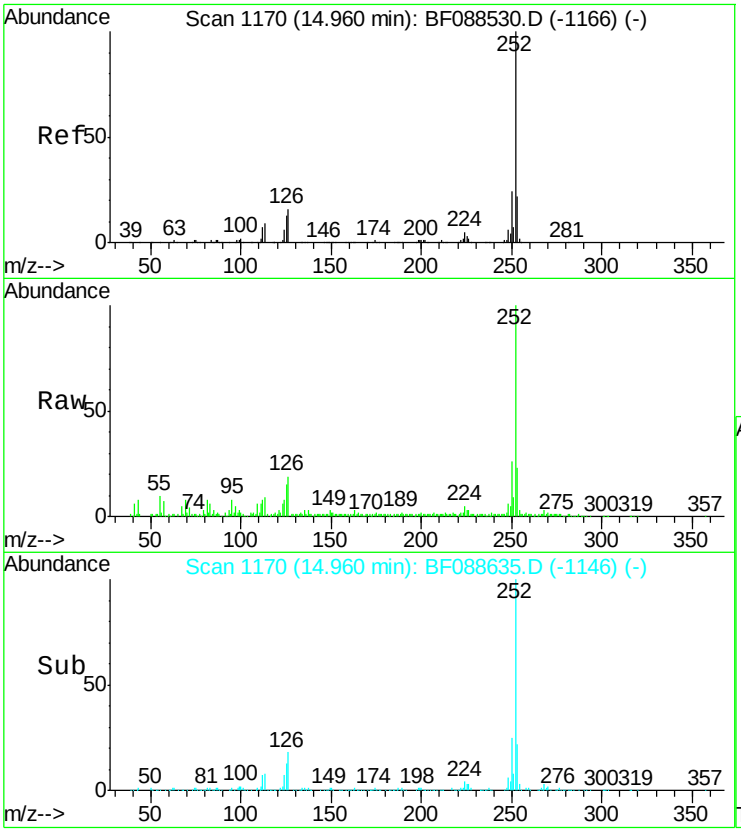


#87
Benzo(b)fluoranthene
Concen: 26.12 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:252 Resp: 321809

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.6	7.1	10.7#

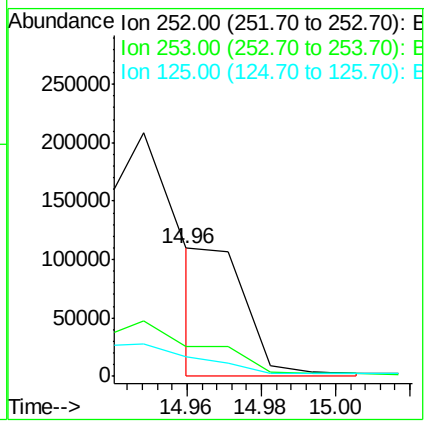




#88
Benzo(k)fluoranthene
Concen: 7.74 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:252 Resp: 83028

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	15.3	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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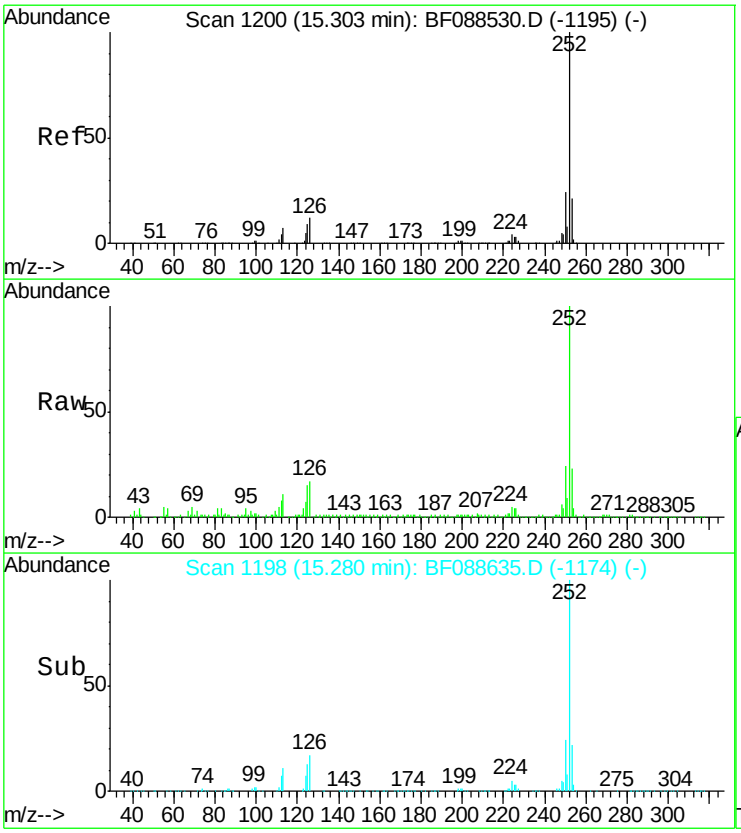
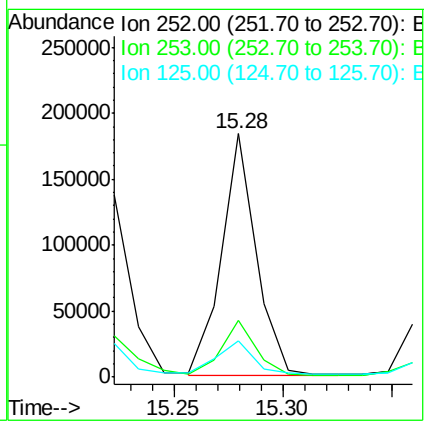
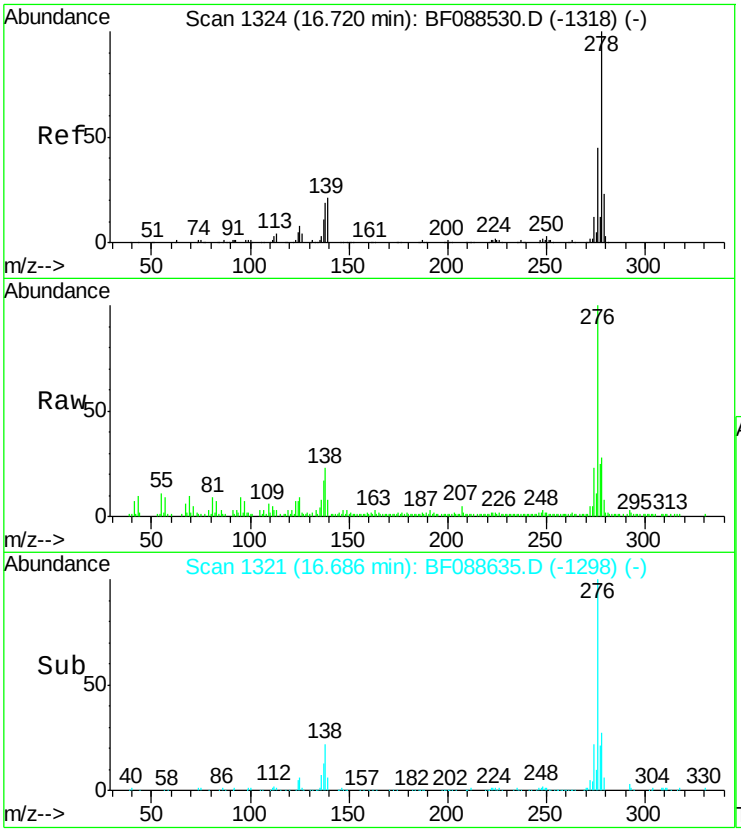


#89
Benzo(a)pyrene
Concen: 19.53 ng
RT: 15.28 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:252 Resp: 203746

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	14.7	12.5	18.7





#90
Dibenzo(a,h)anthracene
Concen: 3.66 ng
RT: 16.69 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:278 Resp: 31891

Ion	Ratio	Lower	Upper
278	100		
139	27.1	15.7	23.5#
279	30.0	19.4	29.2#

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations
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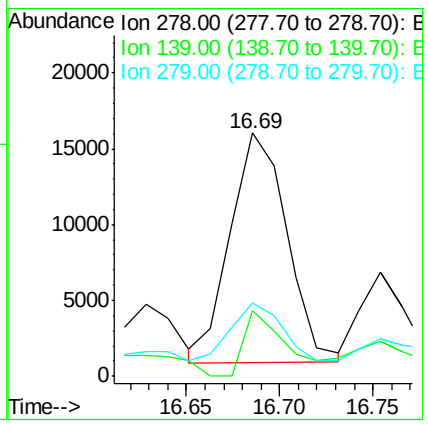

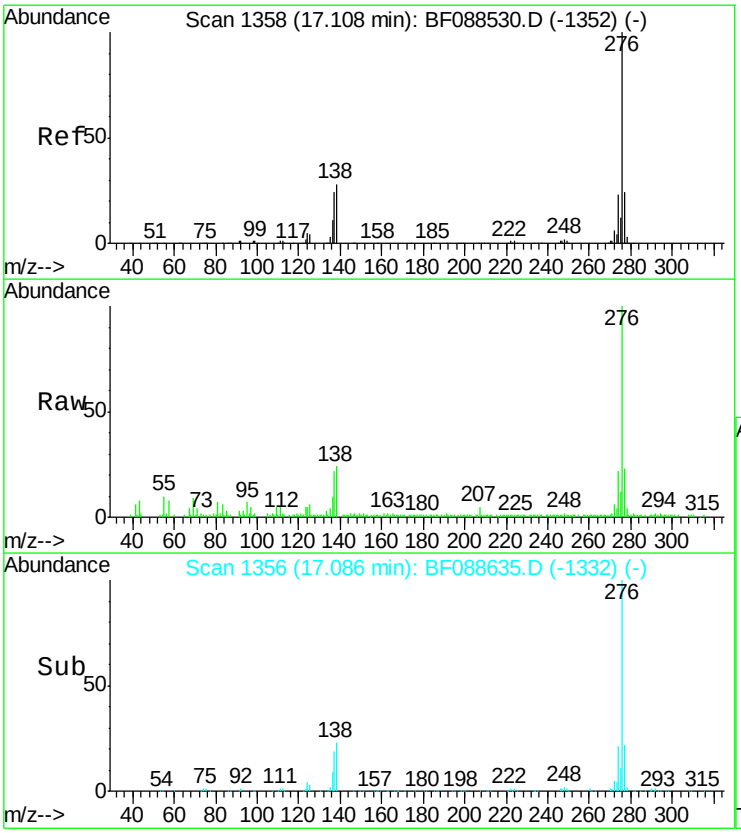

#91
Benzo(g,h,i)perylene
Concen: 12.60 ng
RT: 17.09 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF088635.D
Acq: 2 Jul 2016 23:58

Tgt Ion:276 Resp: 113551

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	24.4	21.4	32.2