Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088687.D
Acq On : 4 Jul 2016 11:09
Operator : UM/SJ
Sample : H3769-06
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPCH-B3(00-0.5)

Manual Integrations APPROVED
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Quant Time: Jul 05 17:15:09 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 01:06:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	104426	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	359338	20.00	ng		0.00
38) Acenaphthene-d10	9.82	164	143449	20.00	ng		0.00
63) Phenanthrene-d10	11.30	188	236255	20.00	ng		0.01
75) Chrysene-d12	13.92	240	184354	20.00	ng		0.00
86) Perylene-d12	15.33	264	143651	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	597139	85.70	ng		0.01
7) Phenol-d6	6.42	99	724102	80.43	ng		0.00
23) Nitrobenzene-d5	7.35	82	443791	64.72	ng		0.00
41) 2,4,6-Tribromophenol	10.60	330	117008	87.84	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	808668	89.05	ng		0.00
78) Terphenyl-d14	12.88	244	496375	59.97	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.54	163	96031	9.40	ng		98
70) Phenanthrene	11.32	178	73280	5.67	ng		97
74) Fluoranthene	12.50	202	193593	14.79	ng		98
77) Pyrene	12.73	202	190403	12.18	ng		98
80) Benzo(a)anthracene	13.92	228	107928	9.09	ng		96
82) Chrysene	13.95	228	81961m	6.98	ng		
83) Bis(2-ethylhexyl)phthalate	13.92	149	15980	2.01	ng	#	95
85) Indeno(1,2,3-cd)pyrene	16.66	276	33322	3.69	ng	#	100
87) Benzo(b)fluoranthene	14.93	252	94492m	10.49	ng		
88) Benzo(k)fluoranthene	14.95	252	20275m	2.58	ng		
89) Benzo(a)pyrene	15.27	252	63454	8.32	ng		95
91) Benzo(g,h,i)perylene	17.06	276	33156	5.03	ng	#	92

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

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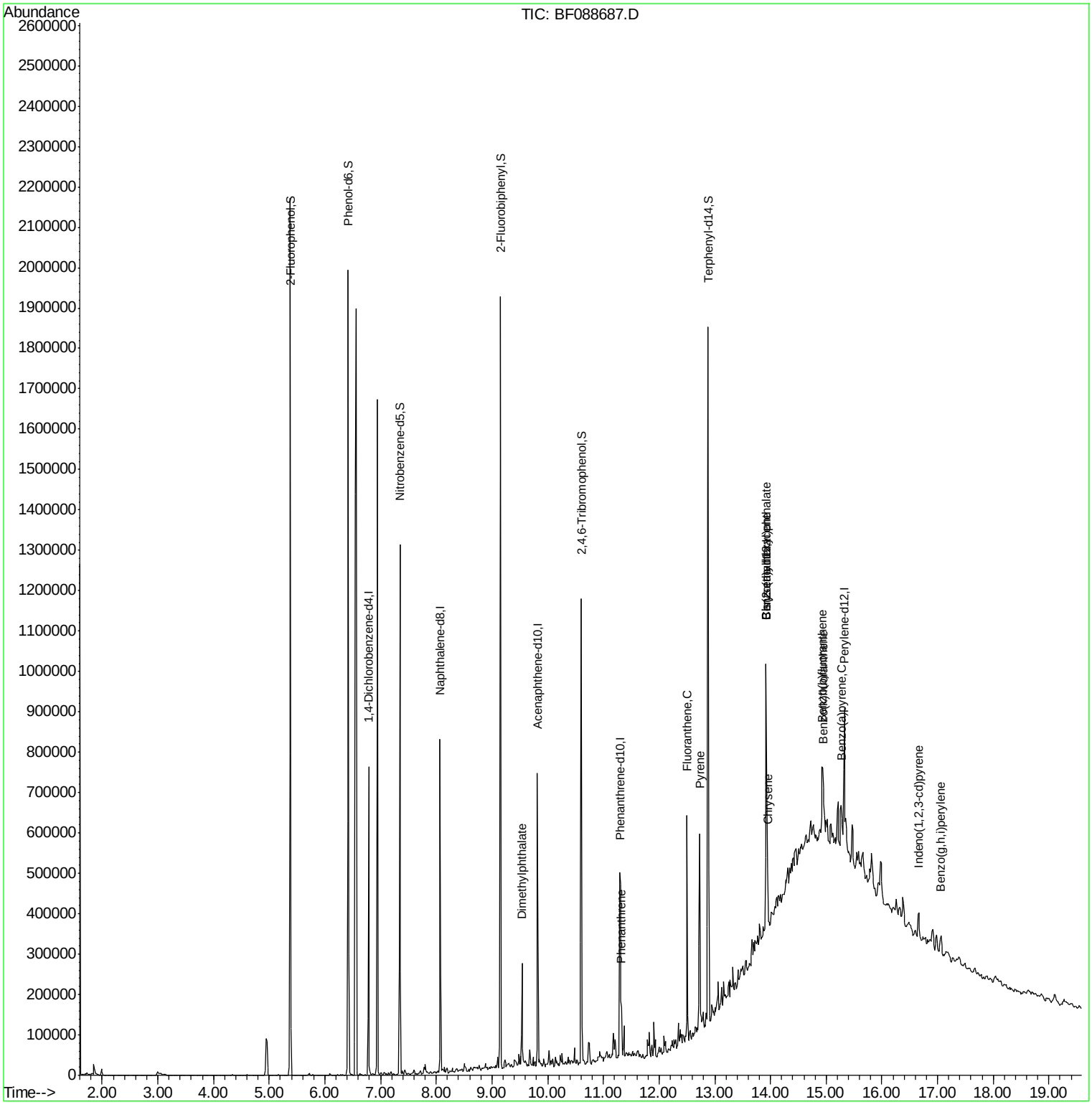
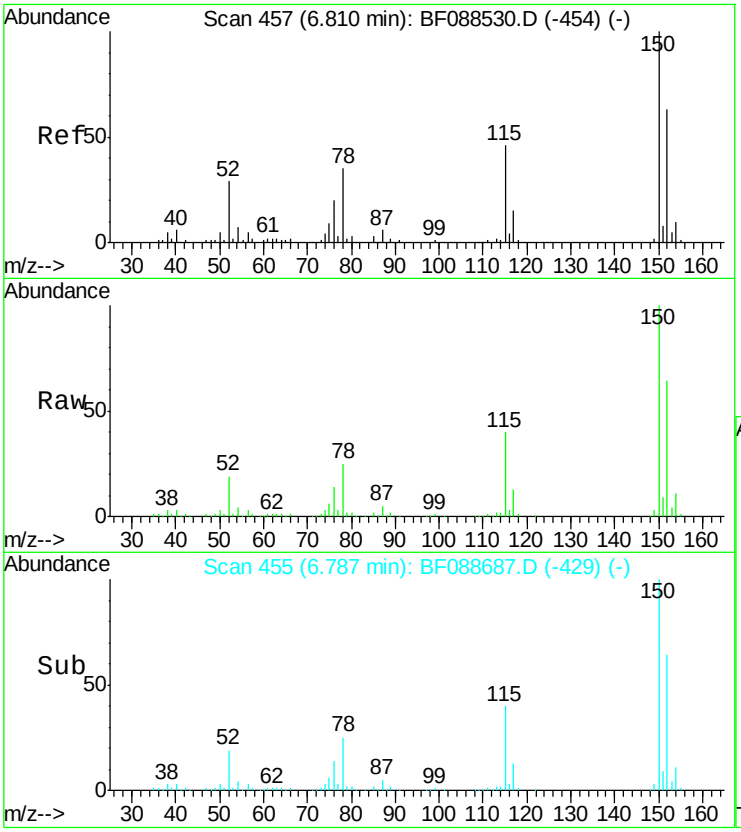
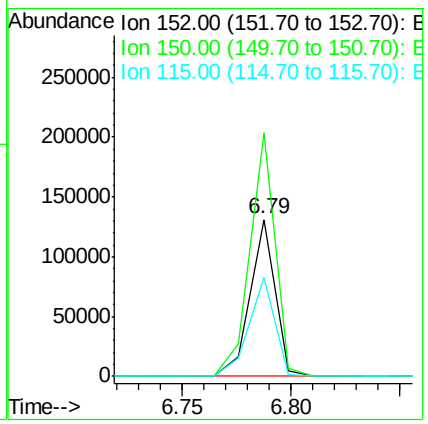




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:152 Resp: 104426

Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.8	185.6
115	62.9	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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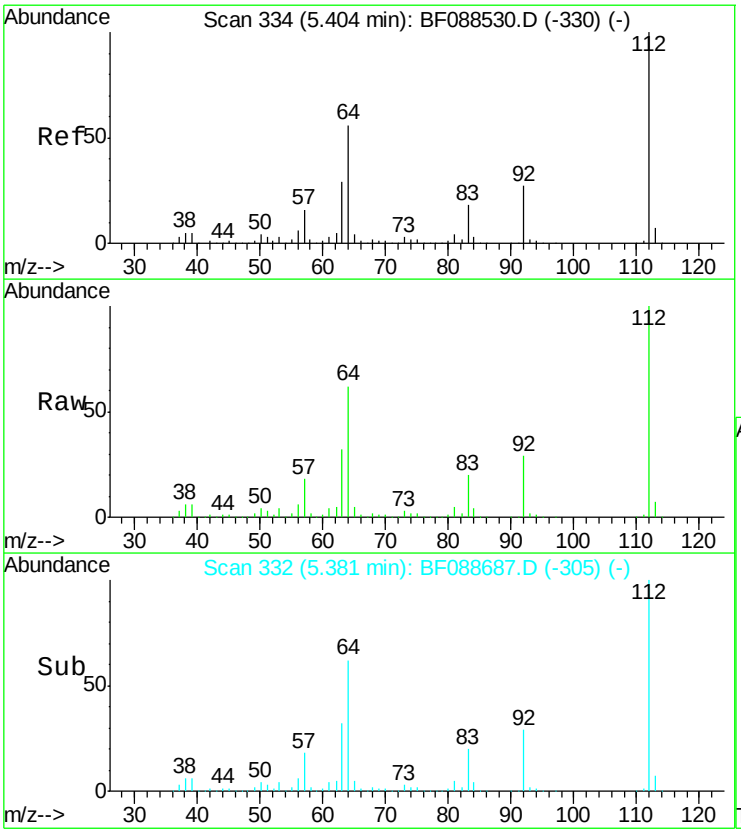
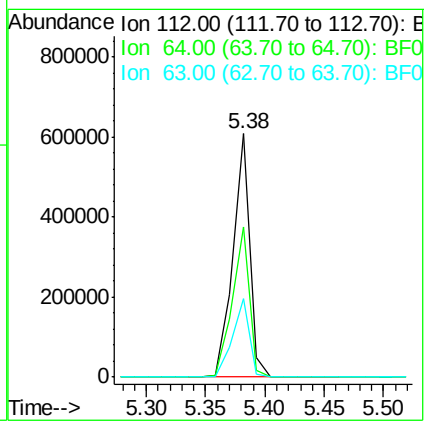
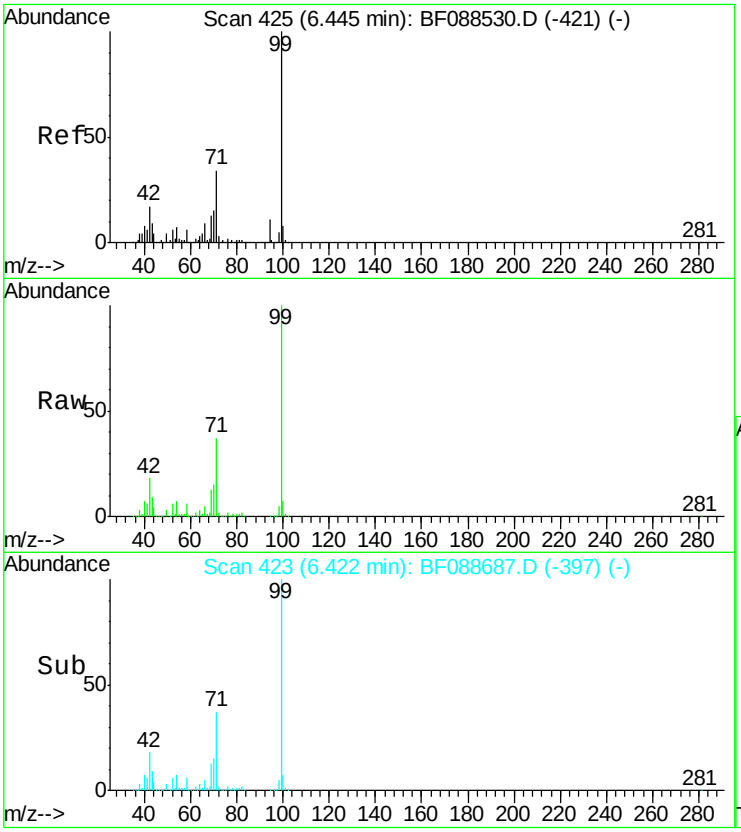


#5
2-Fluorophenol
Concen: 85.70 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:112 Resp: 597139

Ion	Ratio	Lower	Upper
112	100		
64	61.6	42.2	63.2
63	32.2	21.8	32.8

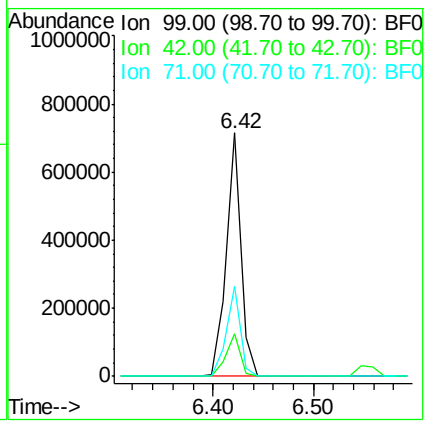




#7
Phenol-d6
Concen: 80.43 ng
RT: 6.42 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion: 99 Resp: 724102

Ion	Ratio	Lower	Upper
99	100		
42	17.7	12.2	18.2
71	36.8	23.4	35.0#



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

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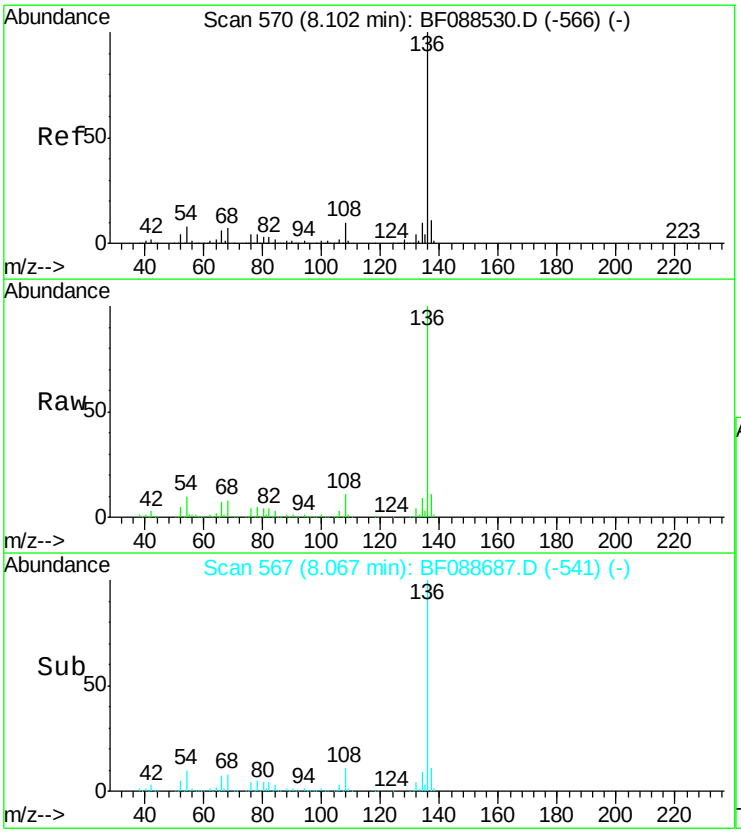
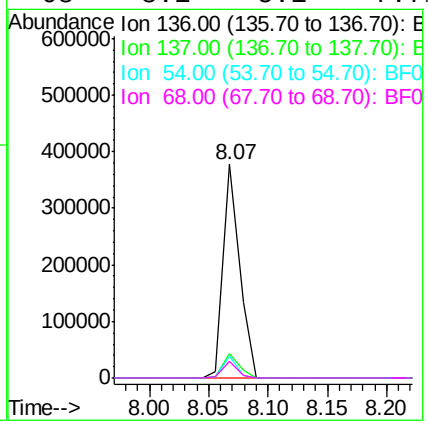
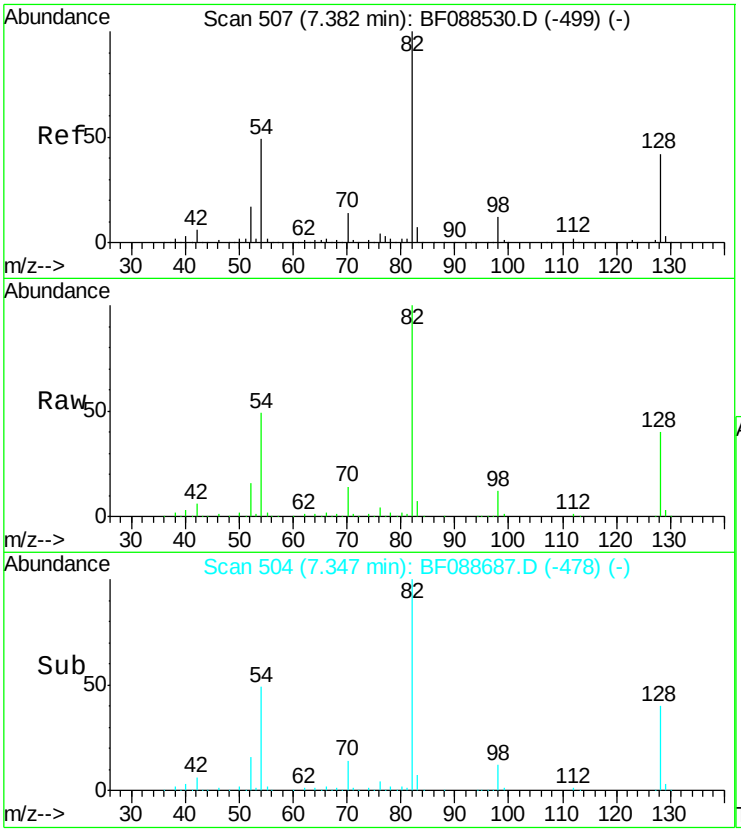


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:136 Resp: 359338

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.1	6.6	10.0#
68	8.1	5.1	7.7#

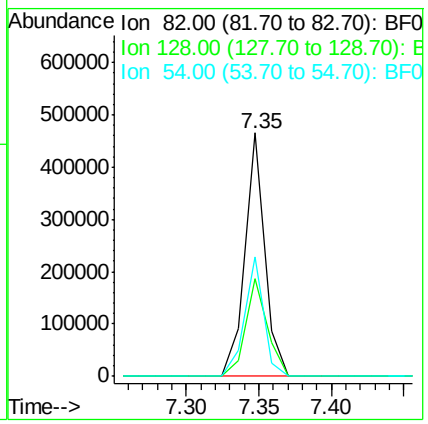




#23
Nitrobenzene-d5
Concen: 64.72 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion: 82 Resp: 443791

Ion	Ratio	Lower	Upper
82	100		
128	40.1	35.9	53.9
54	49.2	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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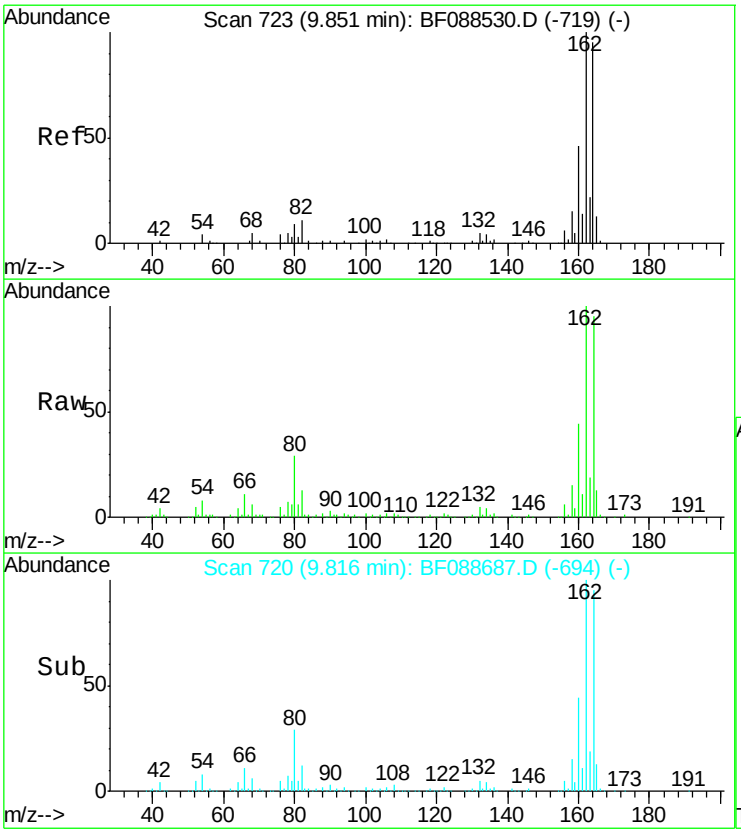
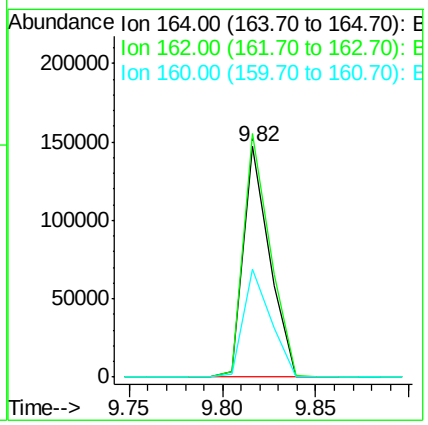
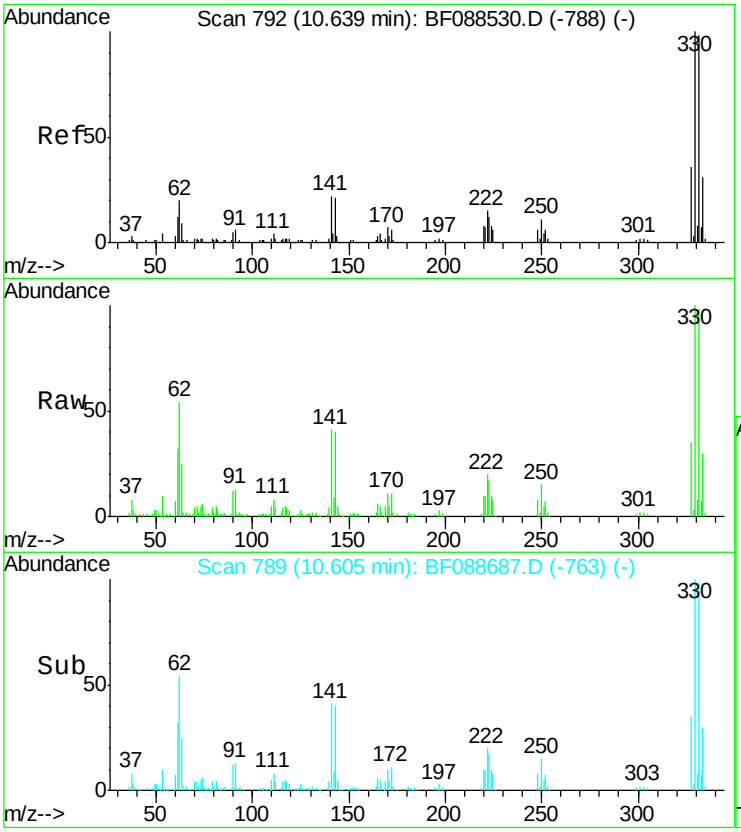


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:164 Resp: 143449

Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.4	128.2
160	46.6	39.5	59.3

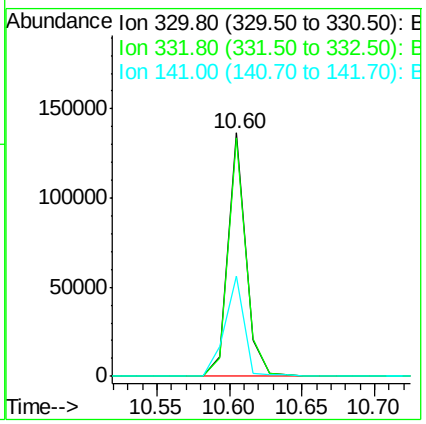




#41
2,4,6-Tribromophenol
Concen: 87.84 ng
RT: 10.60 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:330 Resp: 117008

Ion	Ratio	Lower	Upper
330	100		
332	98.3	0.0	0.0#
141	46.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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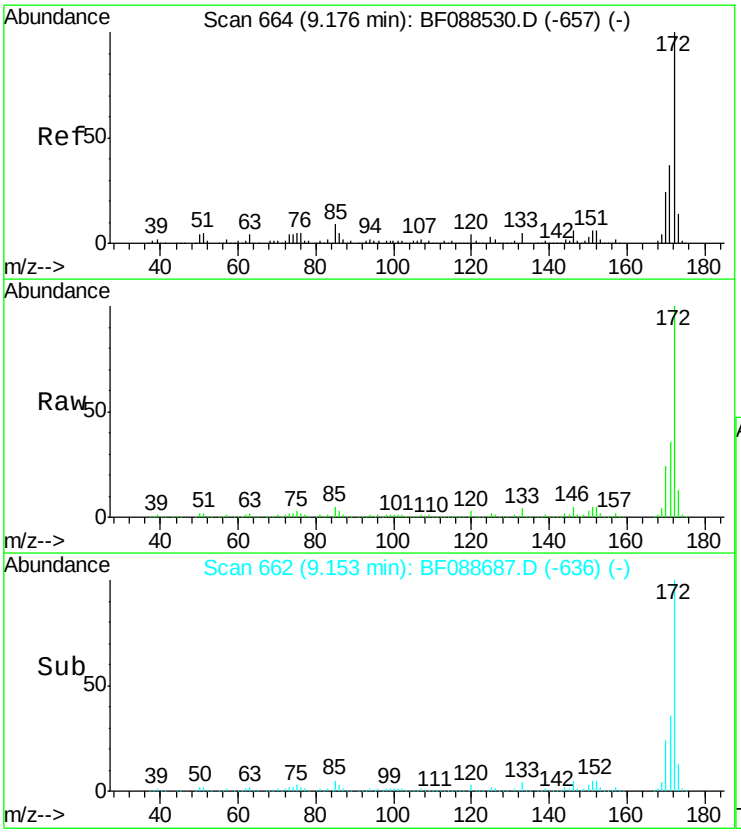
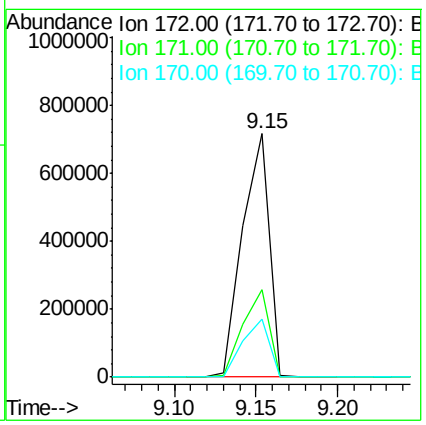
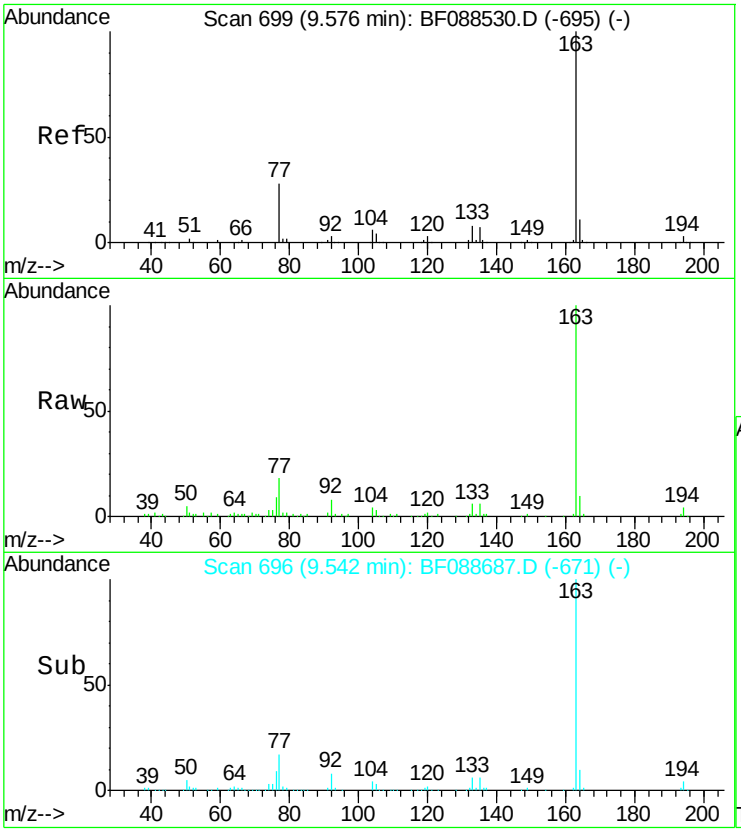


#44
2-Fluorobiphenyl
Concen: 89.05 ng
RT: 9.15 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:172 Resp: 808668

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.7	19.2	28.8

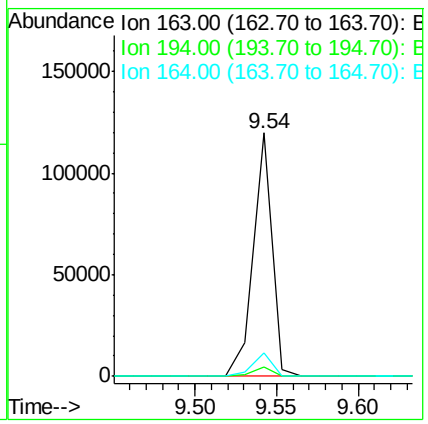




#49
Dimethylphthalate
Concen: 9.40 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:163 Resp: 96031

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.7	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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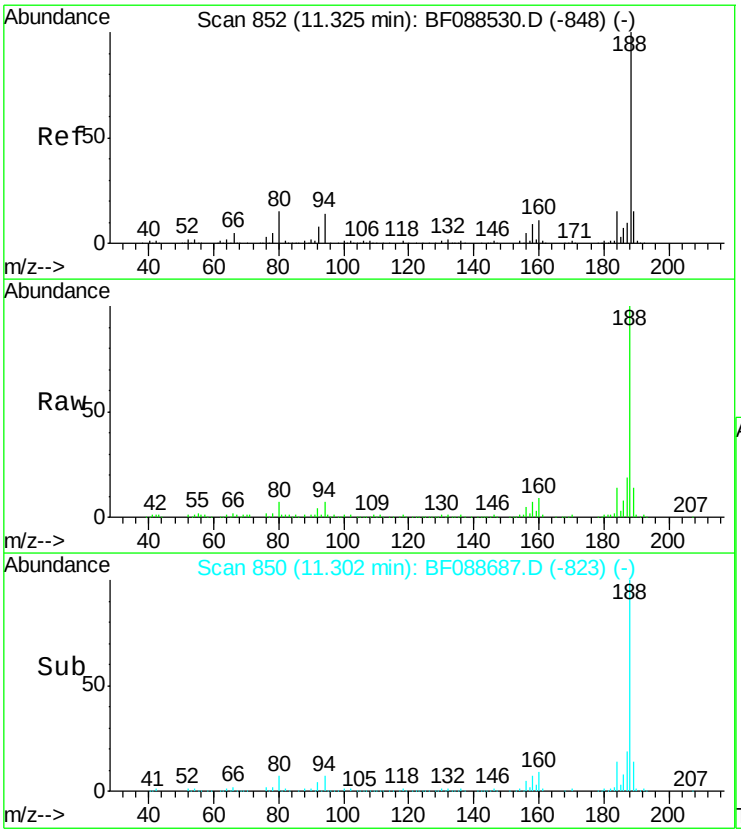
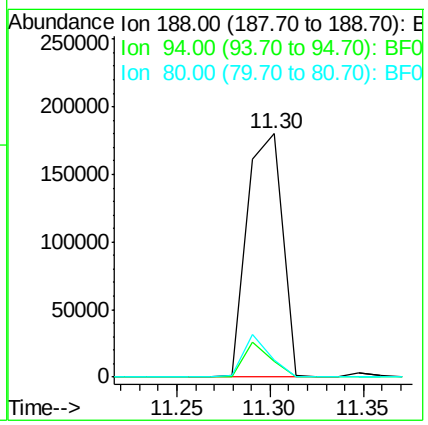
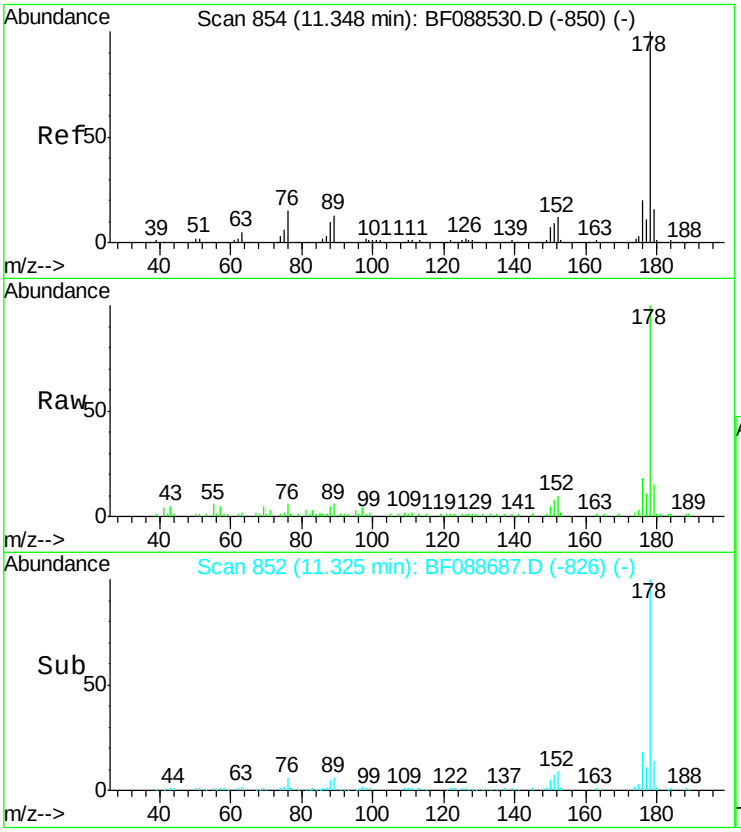


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:188 Resp: 236255

Ion	Ratio	Lower	Upper
188	100		
94	6.7	9.0	13.6#
80	7.2	10.0	15.0#

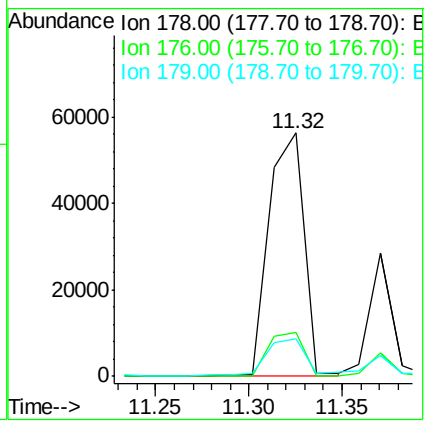




#70
Phenanthrene
Concen: 5.67 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:178 Resp: 73280

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.3	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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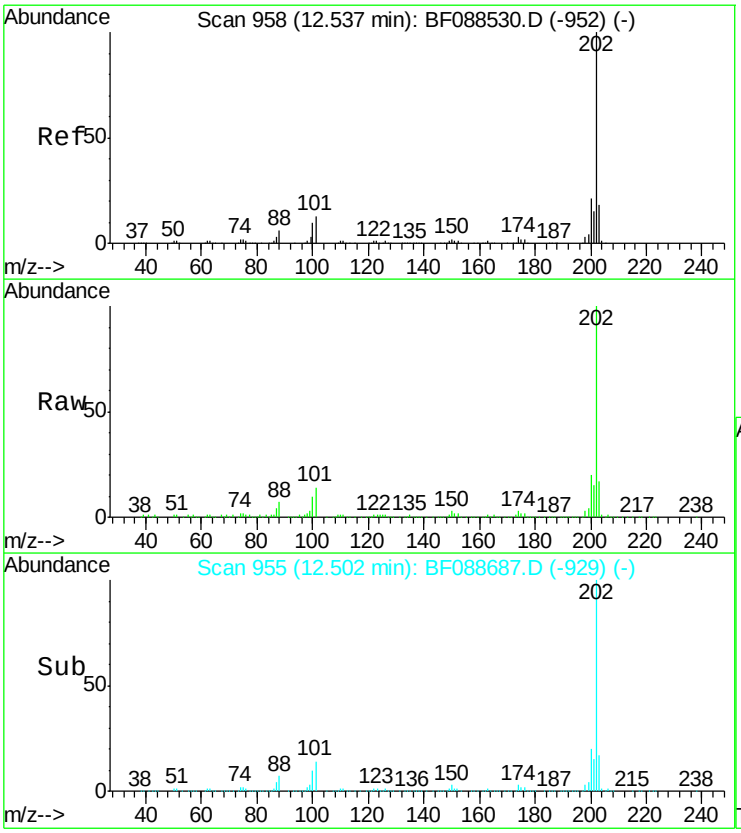
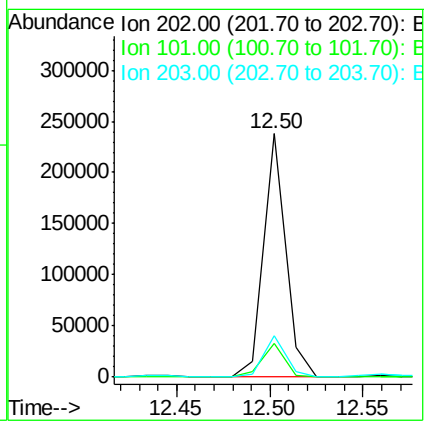
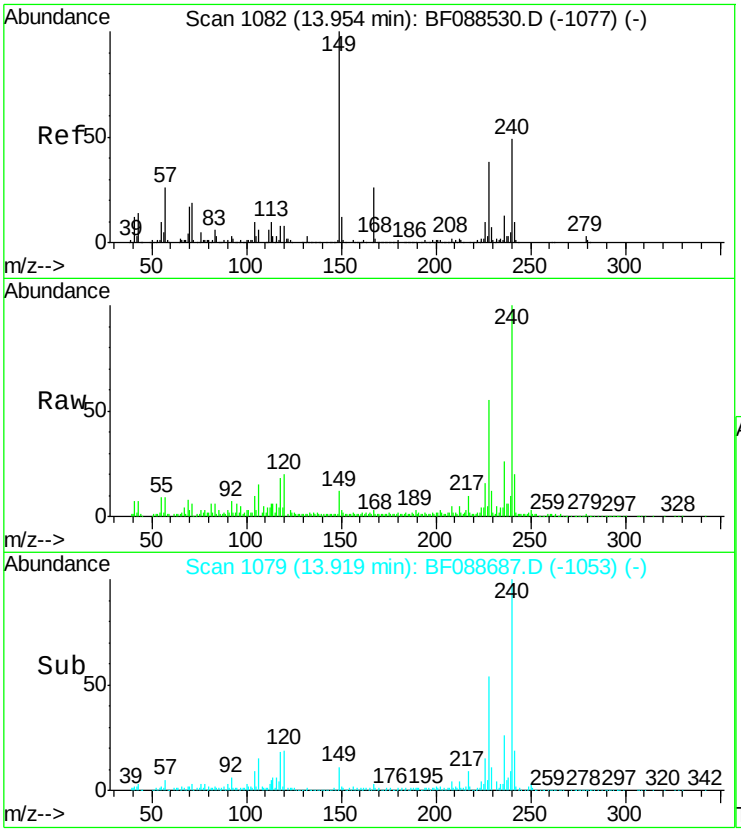


#74
Fluoranthene
Concen: 14.79 ng
RT: 12.50 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:202 Resp: 193593

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.1
203	17.2	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:240 Resp: 184354

Ion	Ratio	Lower	Upper
240	100		
120	19.6	6.8	10.2#
236	26.1	20.2	30.2

Instrument :
BNA_F
ClientSampleId :
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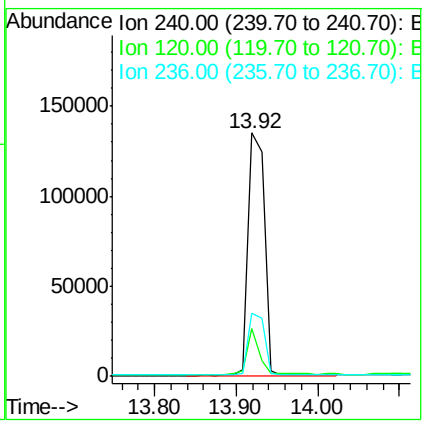
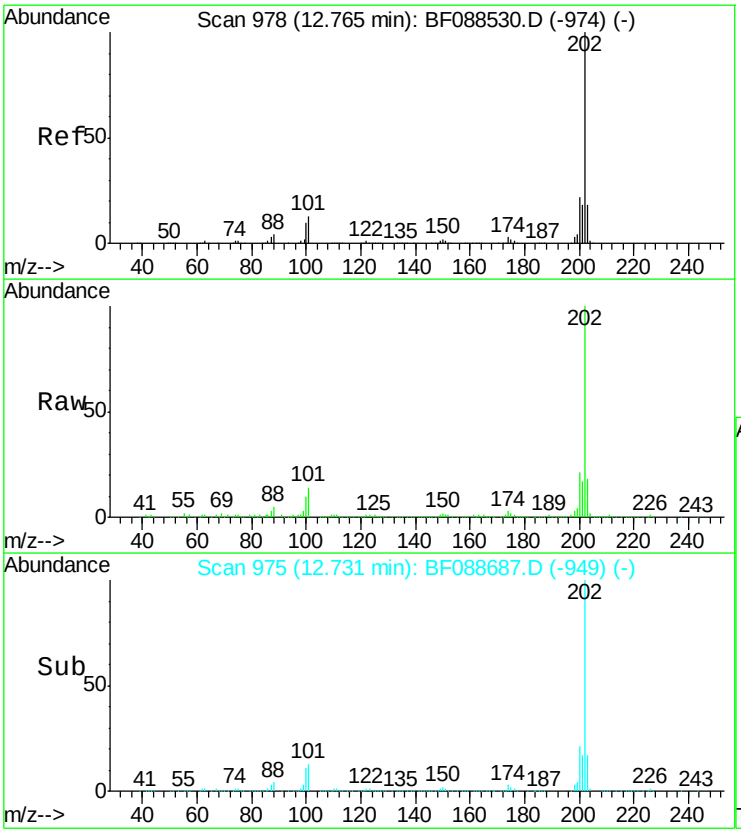
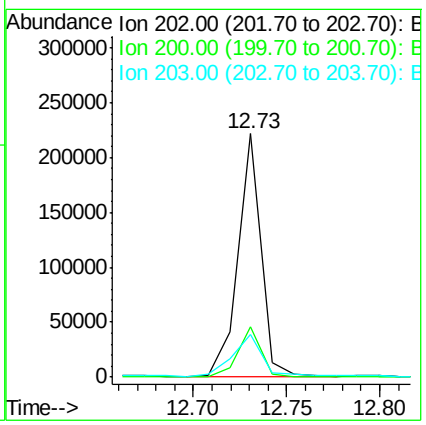


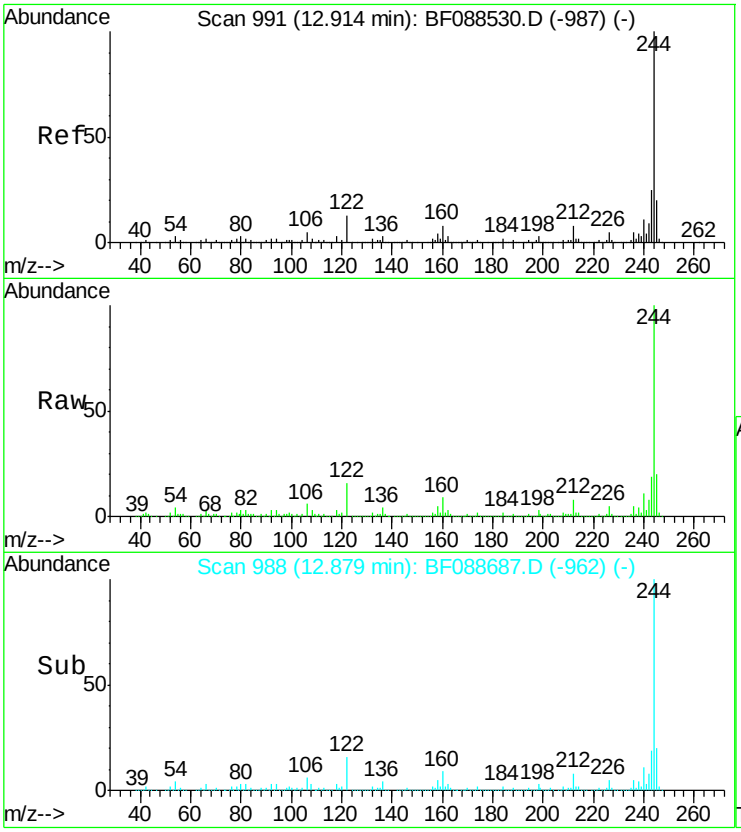


#77
Pyrene
Concen: 12.18 ng
RT: 12.73 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:202 Resp: 190403

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	14.5	21.7

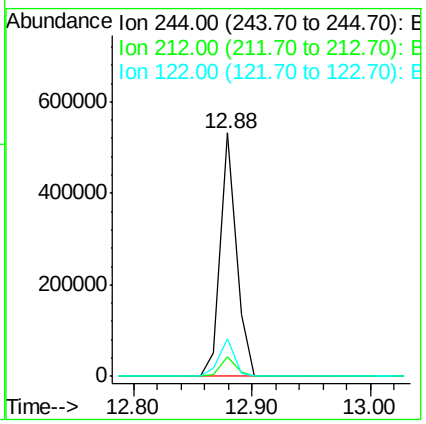




#78
Terphenyl-d14
Concen: 59.97 ng
RT: 12.88 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:244 Resp: 496375

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	15.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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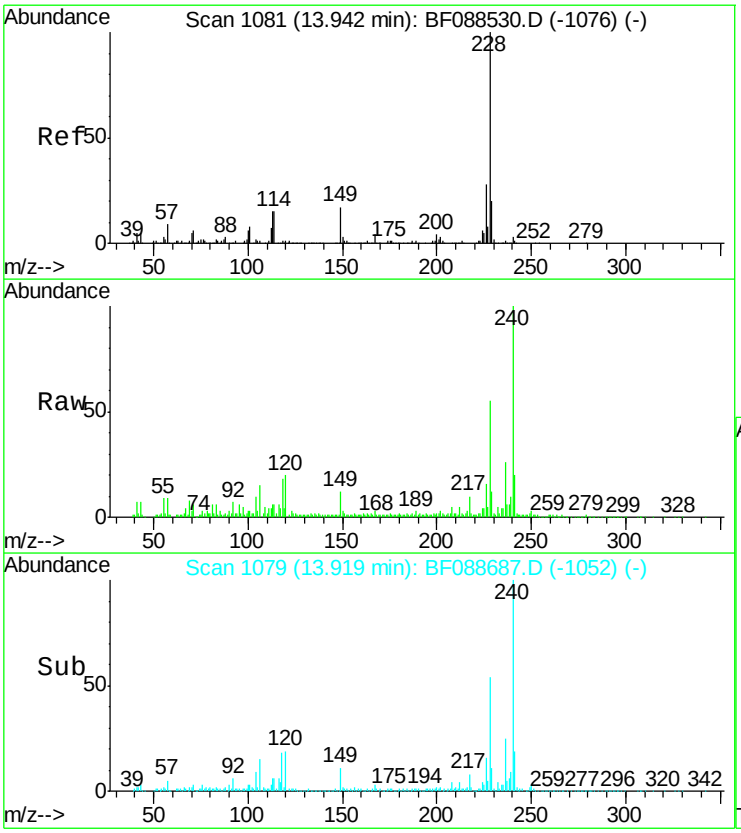
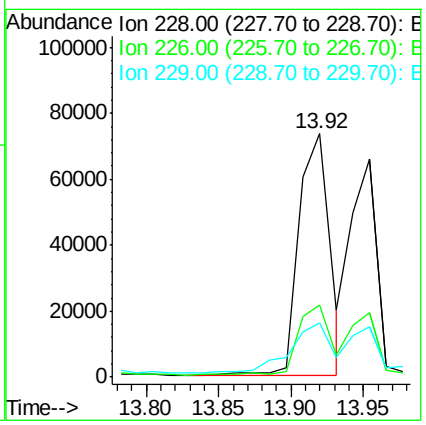
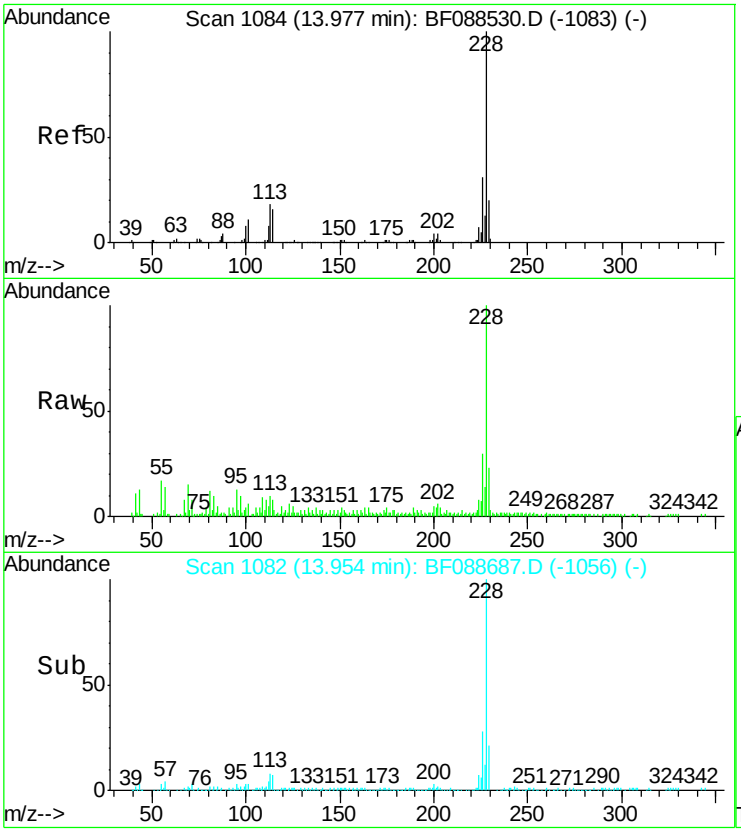


#80
Benzo(a)anthracene
Concen: 9.09 ng
RT: 13.92 min Scan# 1079
Delta R.T. 0.01 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:228 Resp: 107928

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	22.2	16.0	24.0





#82
Chrysene
Concen: 6.98 ng m
RT: 13.95 min Scan# 1082
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:228 Resp: 81961

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.2
229	23.0	16.3	24.5

Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

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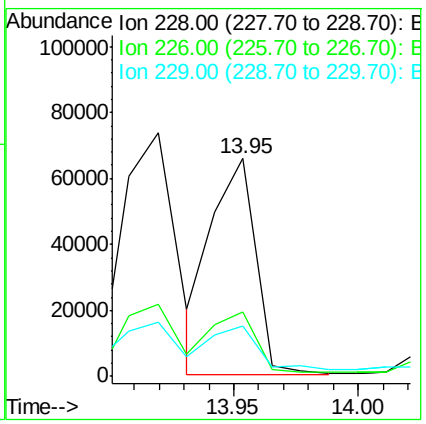
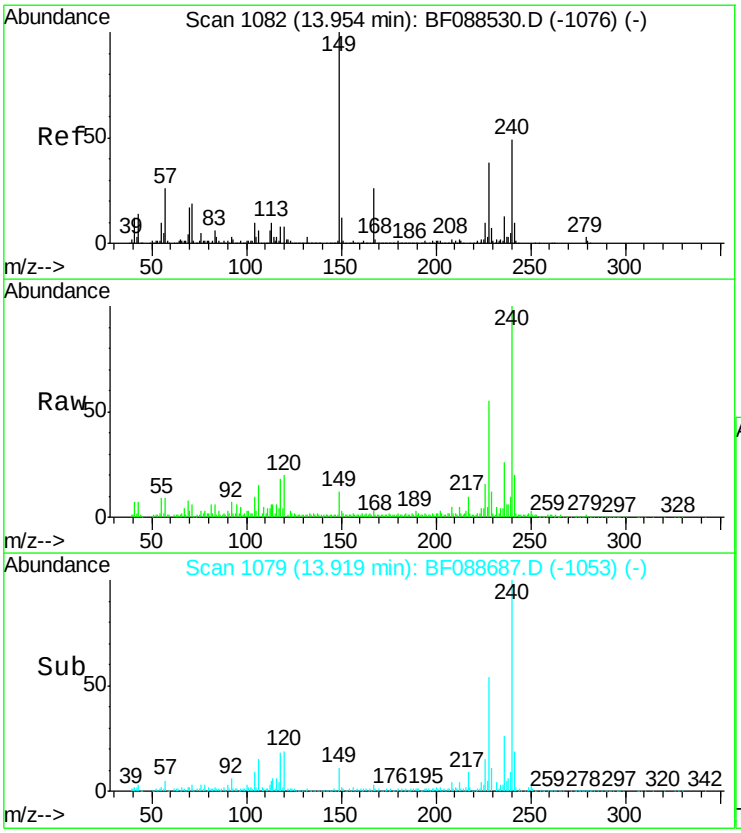
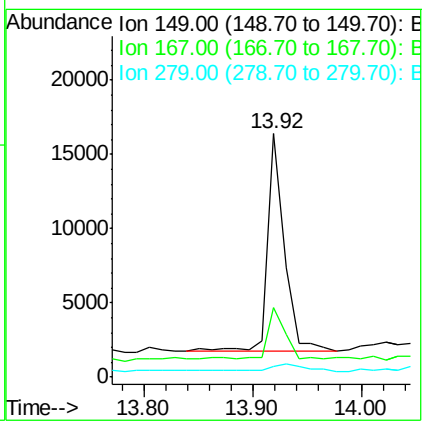


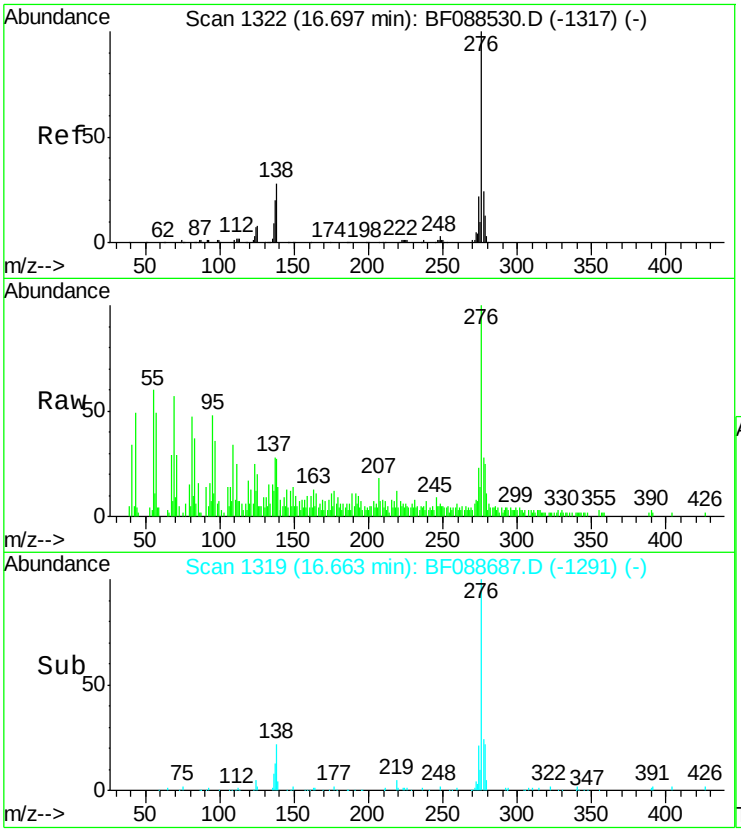


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.01 ng
RT: 13.92 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:149 Resp: 15980

Ion	Ratio	Lower	Upper
149	100		
167	28.3	20.5	30.7
279	4.2	2.0	3.0#





#85
Indeno(1,2,3-cd)pyrene
Concen: 3.69 ng
RT: 16.66 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:276 Resp: 33322

Ion	Ratio	Lower	Upper
276	100		
138	28.7	0.0	0.0#
277	28.7	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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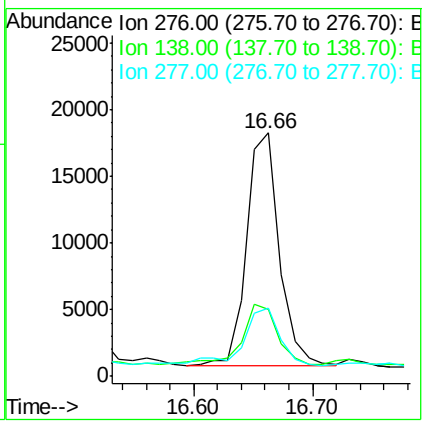
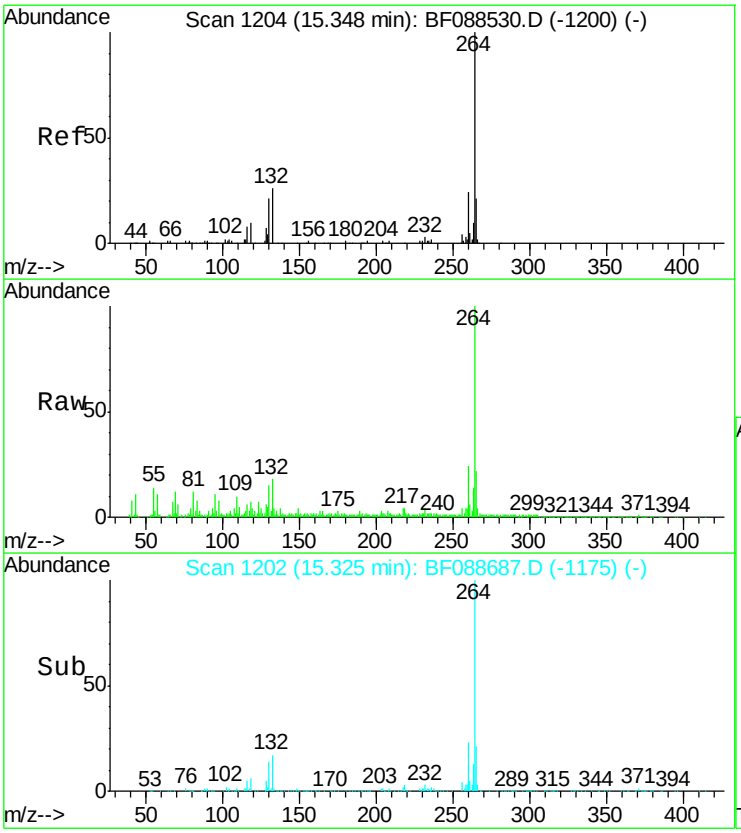
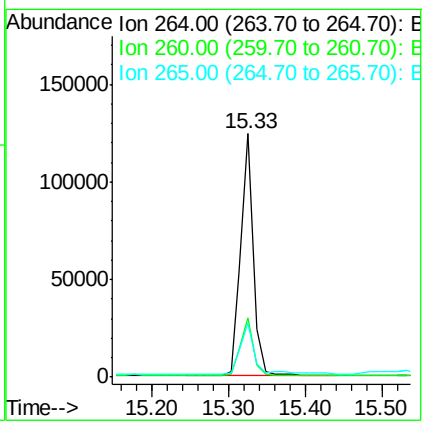


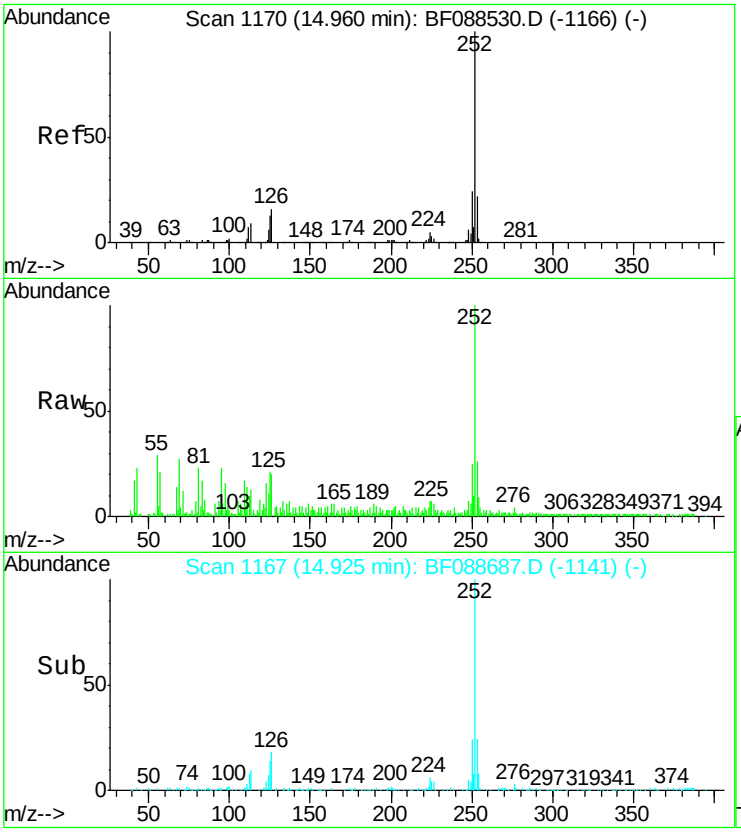


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:264 Resp: 143651

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	16.9	25.3





#87
Benzo(b)fluoranthene
Concen: 10.49 ng m
RT: 14.93 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Manual Integrations
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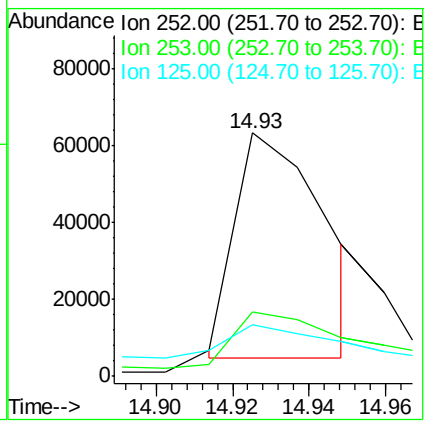
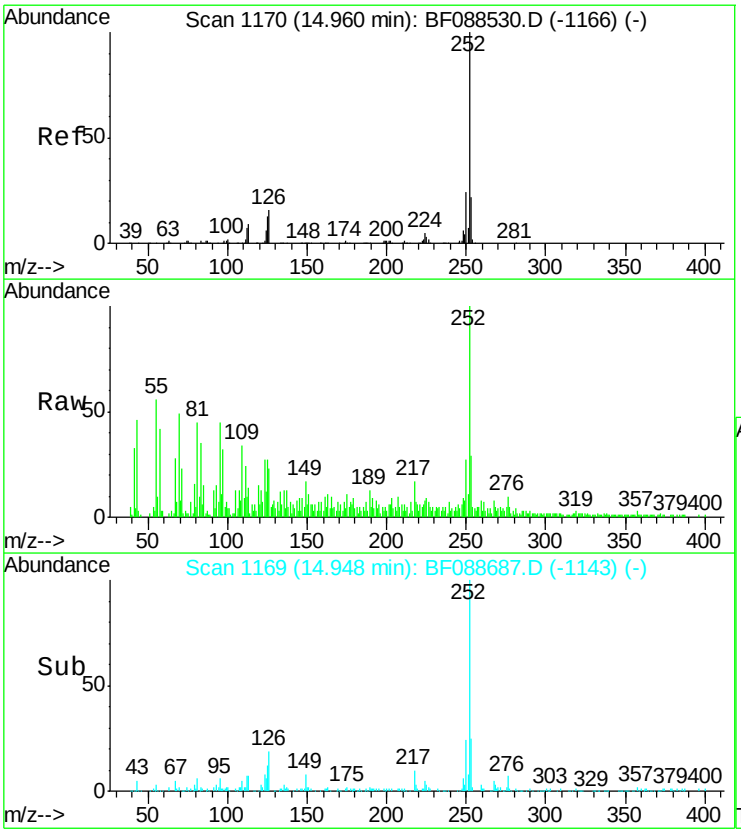
Tgt Ion:252 Resp: 94492

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.2#
125	21.0	7.1	10.7#

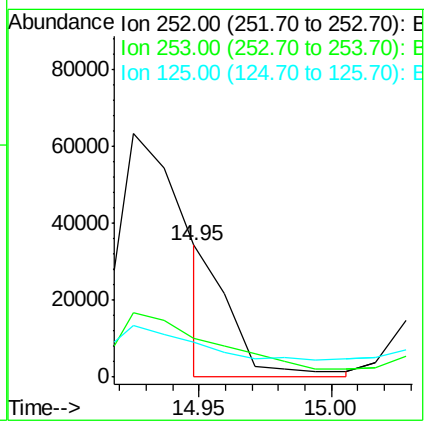


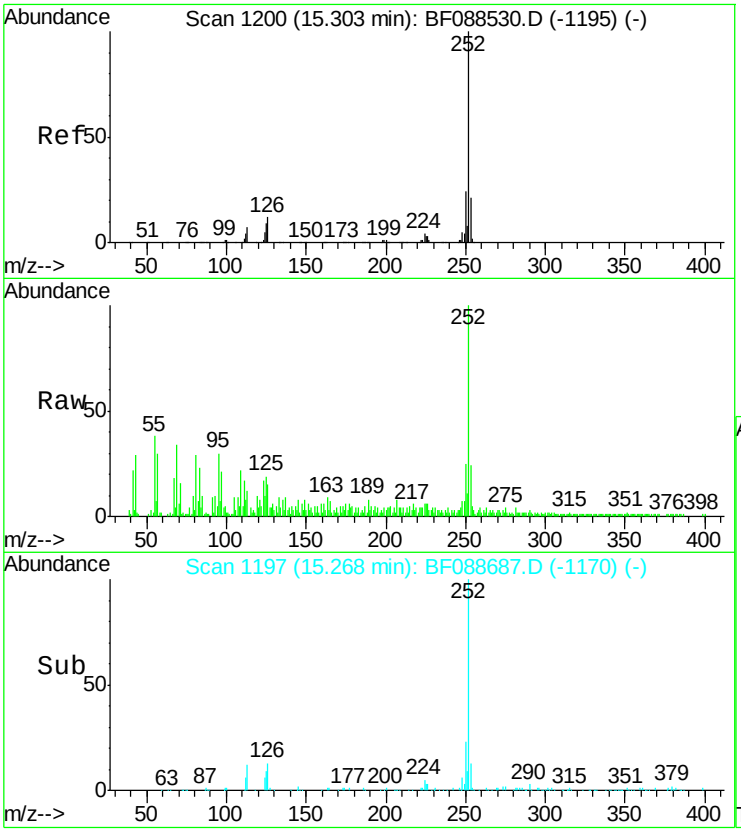


#88
Benzo(k)fluoranthene
Concen: 2.58 ng m
RT: 14.95 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:252 Resp: 20275

Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.0	27.0#
125	26.9	11.2	16.8#





#89
Benzo(a)pyrene
Concen: 8.32 ng
RT: 15.27 min Scan# 1197
Delta R.T. 0.01 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:252 Resp: 63454

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	18.7	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

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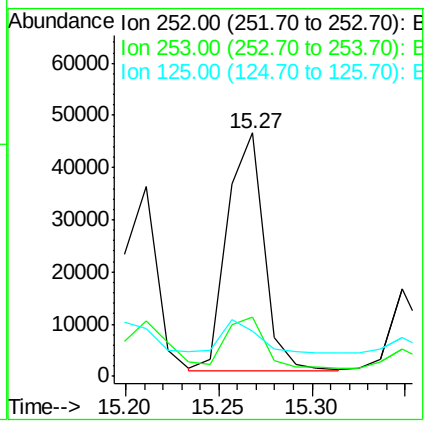

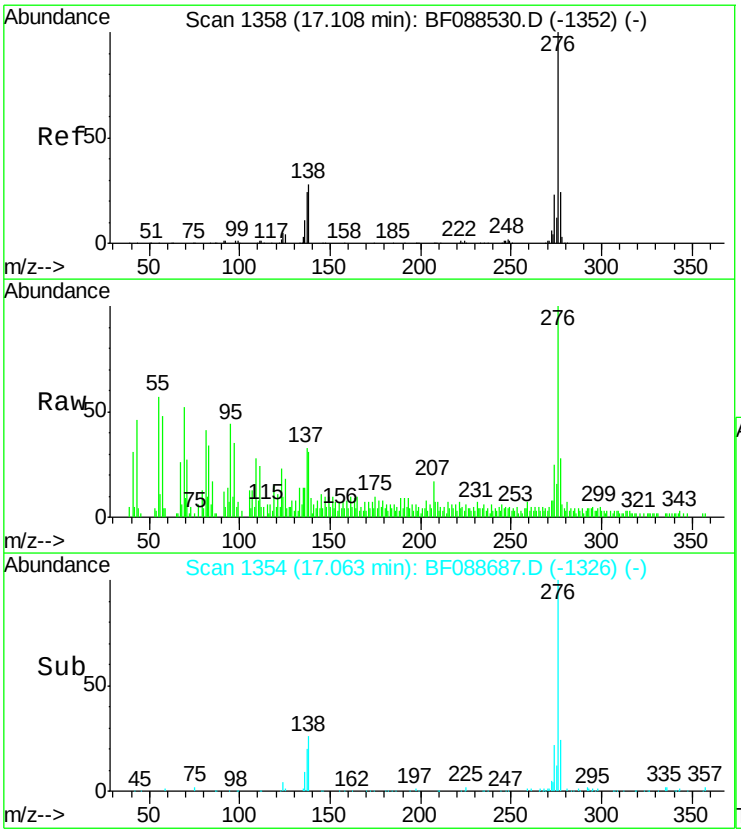

#91
Benzo(g,h,i)perylene
Concen: 5.03 ng
RT: 17.06 min Scan# 1354
Delta R.T. 0.02 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:276 Resp: 33156

Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.9	28.3#
138	30.5	21.4	32.2