Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088178.D
Acq On : 22 Oct 2014 12:29
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Manual Integrations APPROVED
mohammad
10/22/2014 1:57:10 PM

Quant Time: Oct 22 13:03:11 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	28861	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	115111	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	58208	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	103037	5.00	ng	0.00
16) Chrysene-d12	18.39	240	56694	5.00	ng	0.00
22) Perylene-d12	21.44	264	52921	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	11246	1.36	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	32535	2.02	ng	0.00
18) Terphenyl-d14	16.15	244	23018	2.52	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.32	88	4106	0.99	ng	98
5) Naphthalene	8.72	128	23549	0.99	ng	99
6) 2-Methylnaphthalene	9.58	142	14306	1.01	ng	97
9) Acenaphthylene	10.67	152	80327	0.91	ng	100
10) Acenaphthene	10.88	154	12701	0.93	ng	99
11) Fluorene	11.55	166	13946	0.96	ng	100
13) Phenanthrene	13.01	178	121685	1.44	ng	95
14) Anthracene	13.09	178	79701	0.99	ng	99
15) Fluoranthene	15.25	202	30083	1.53	ng	100
17) Pyrene	15.70	202	27690	1.80	ng	98
19) Benzo(a)anthracene	18.36	228	63171	1.25	ng	99
20) Chrysene	18.44	228	64292	1.30	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	64057m	1.17	ng	
23) Benzo(b)fluoranthene	20.69	252	16412	1.30	ng	99
24) Benzo(k)fluoranthene	20.74	252	13966	1.04	ng	99
25) Benzo(a)pyrene	21.32	252	14245	1.23	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	10177	0.89	ng	100
27) Benzo(g,h,i)perylene	24.27	276	58128	1.16	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088178.D
Acq On : 22 Oct 2014 12:29
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 22 13:03:11 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Manual Integrations APPROVED
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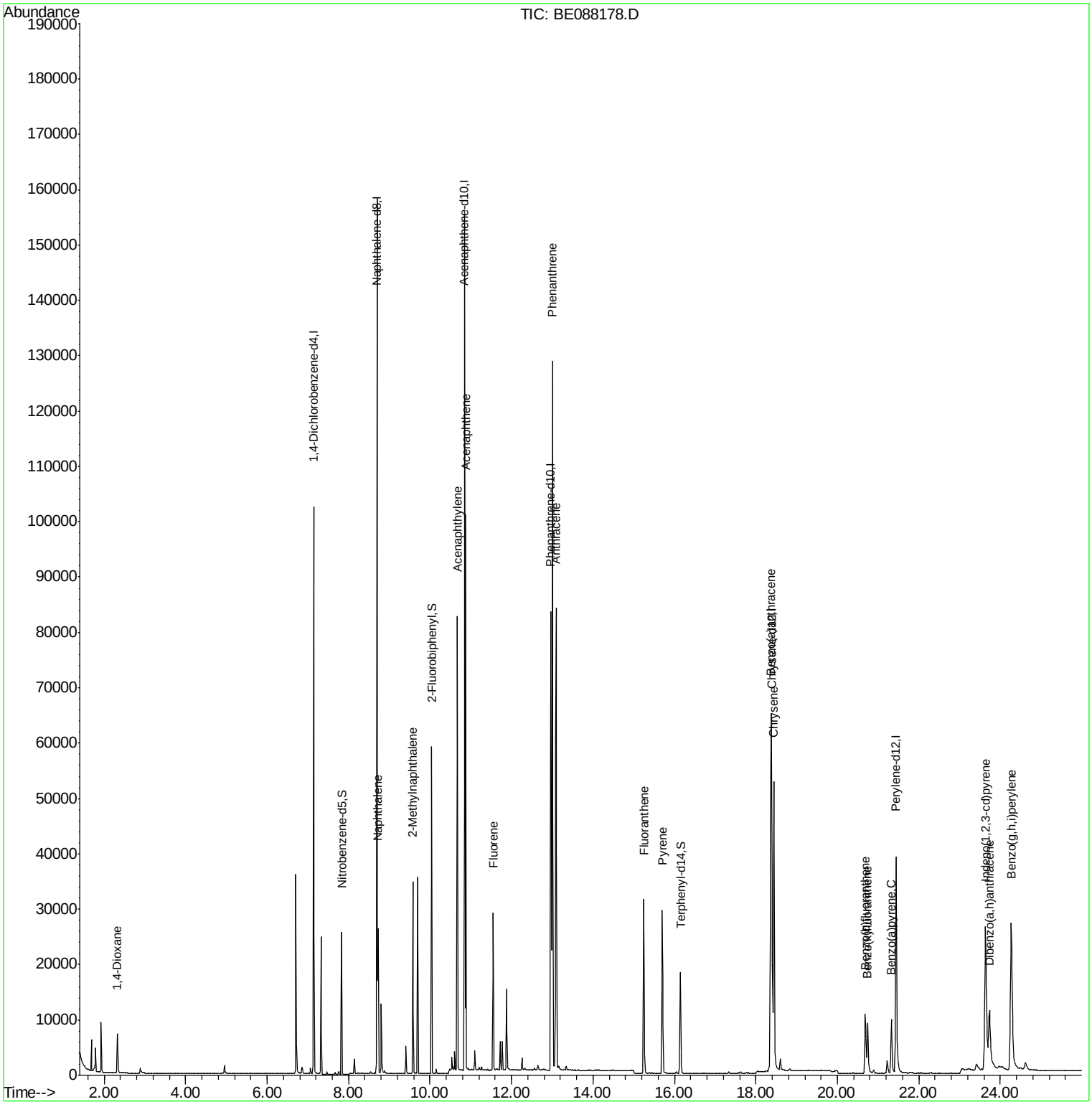
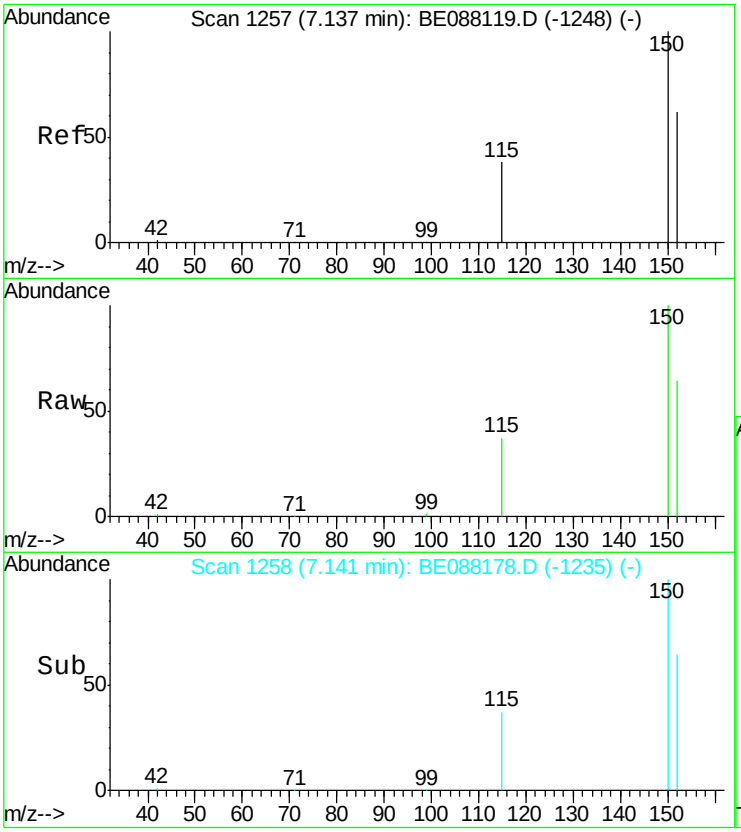
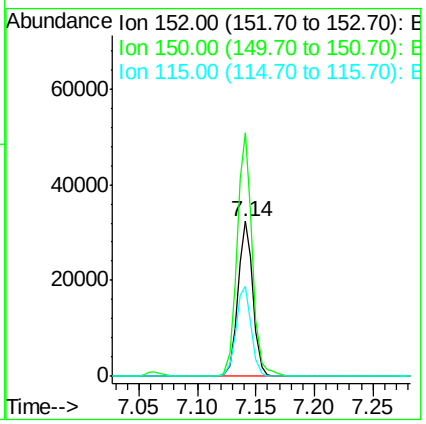




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:152 Resp: 28861

Ion	Ratio	Lower	Upper
152	100		
150	157.2	129.2	193.8
115	58.3	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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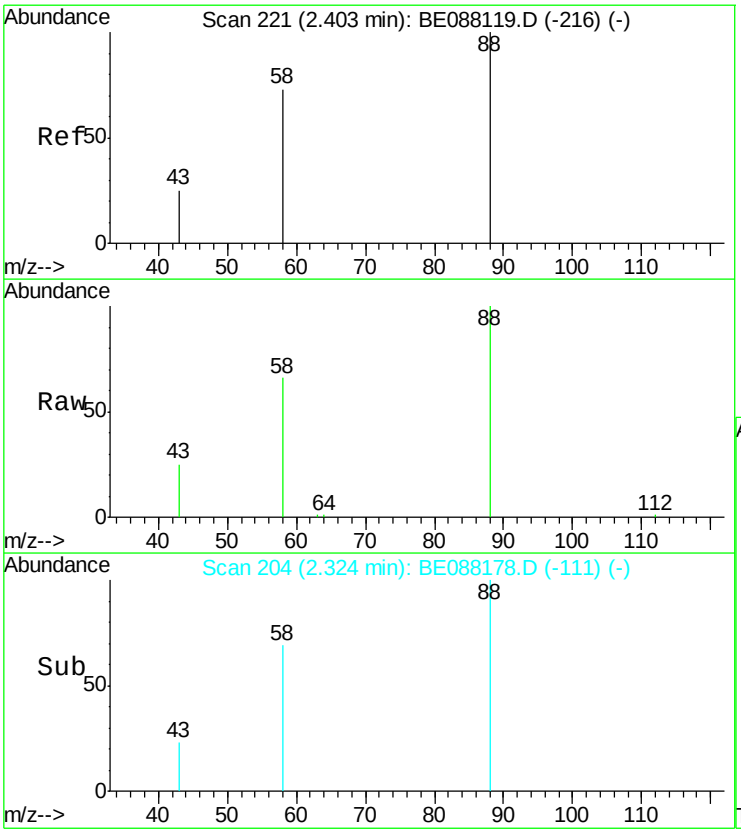
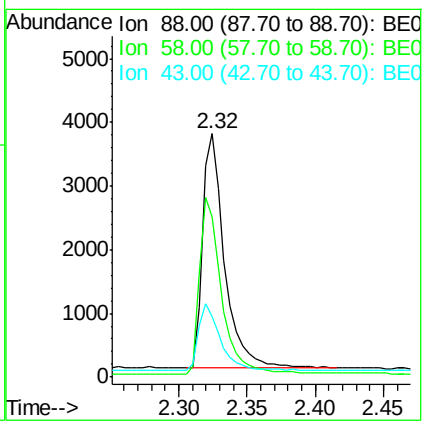
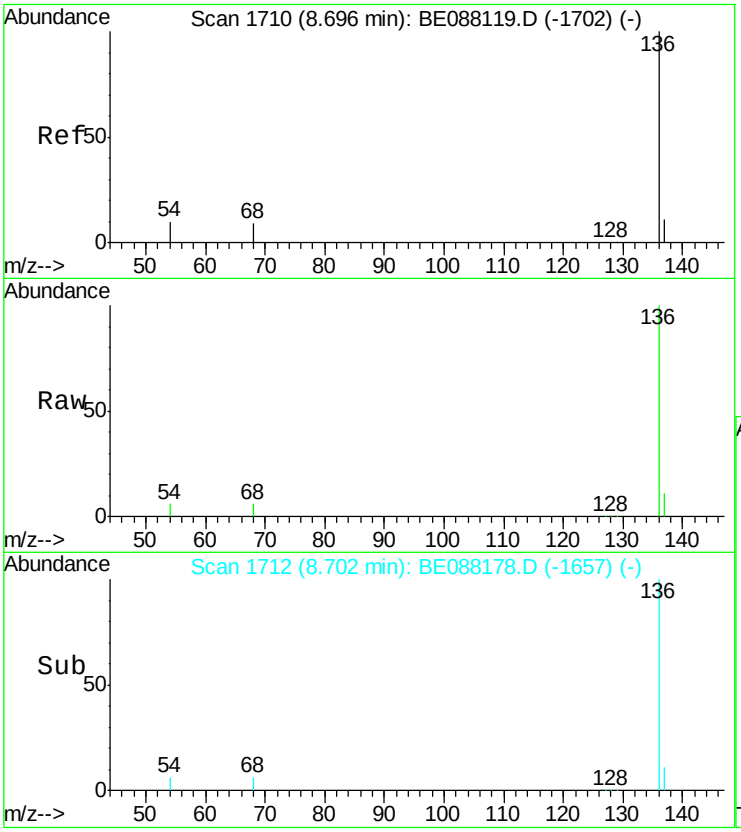


#2
1,4-Dioxane
Concen: 0.99 ng
RT: 2.32 min Scan# 204
Delta R.T. -0.08 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion: 88 Resp: 4106

Ion	Ratio	Lower	Upper
88	100		
58	75.9	59.5	89.3
43	28.2	21.2	31.8

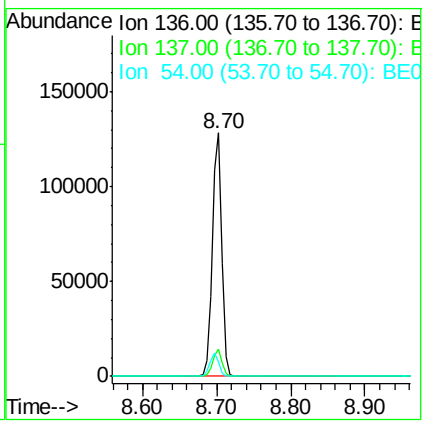




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:136 Resp: 115111

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	6.1	7.7	11.5#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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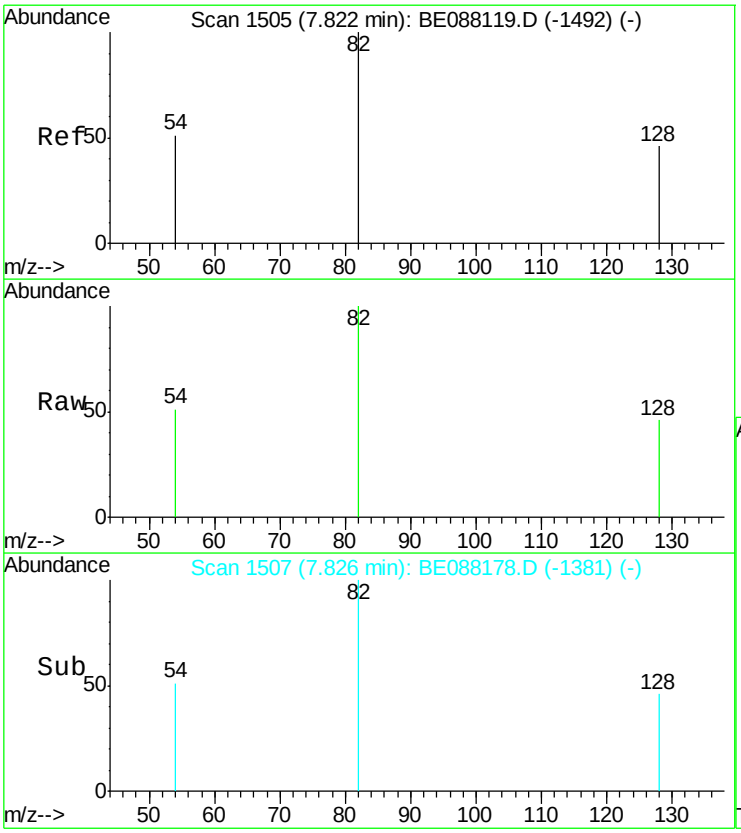
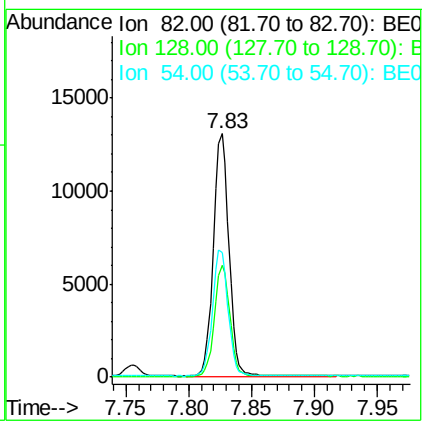
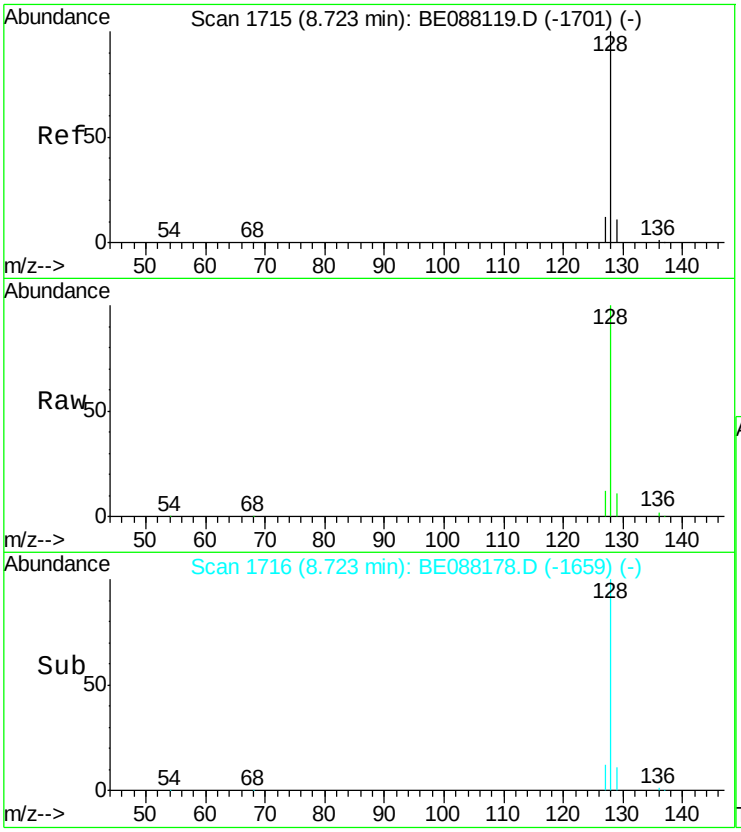


#4
Nitrobenzene-d5
Concen: 1.36 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion: 82 Resp: 11246

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.1	55.7
54	51.2	41.1	61.7

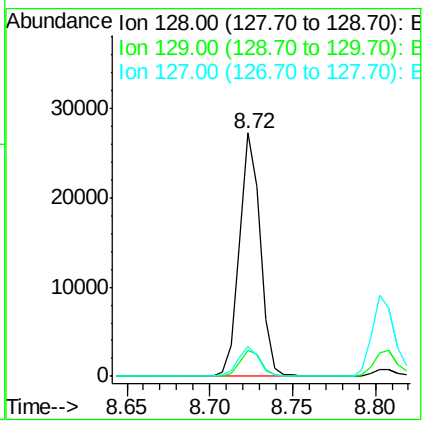




#5
Naphthalene
Concen: 0.99 ng
RT: 8.72 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:128 Resp: 23549

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.4	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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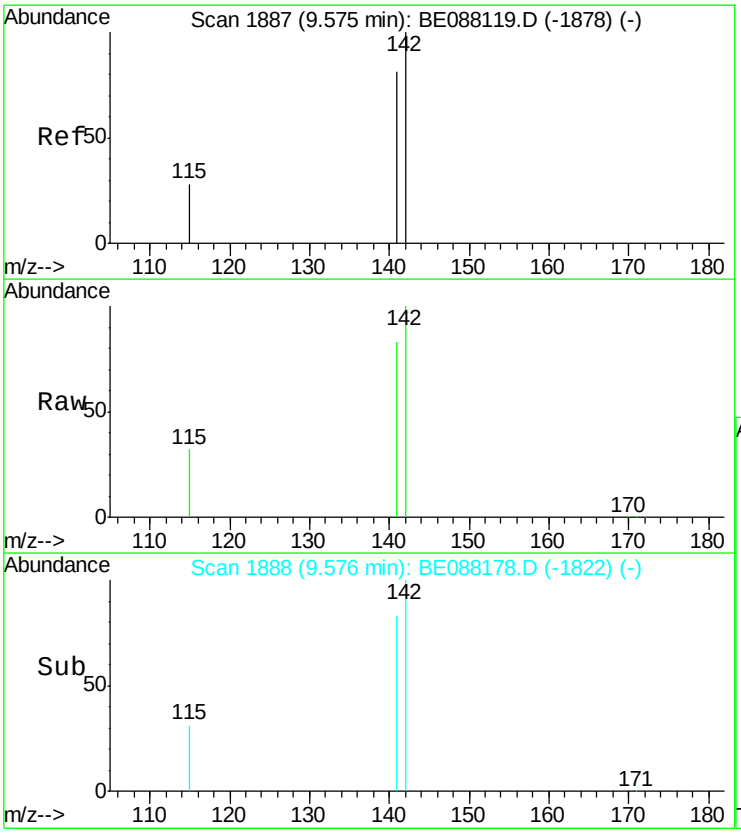
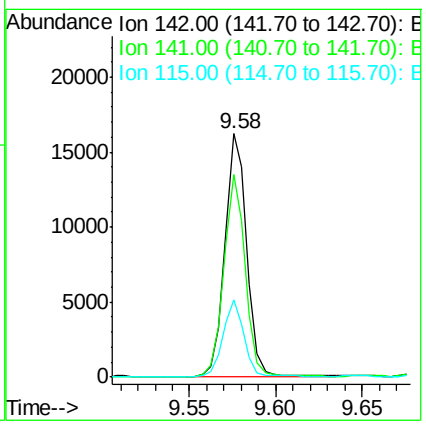
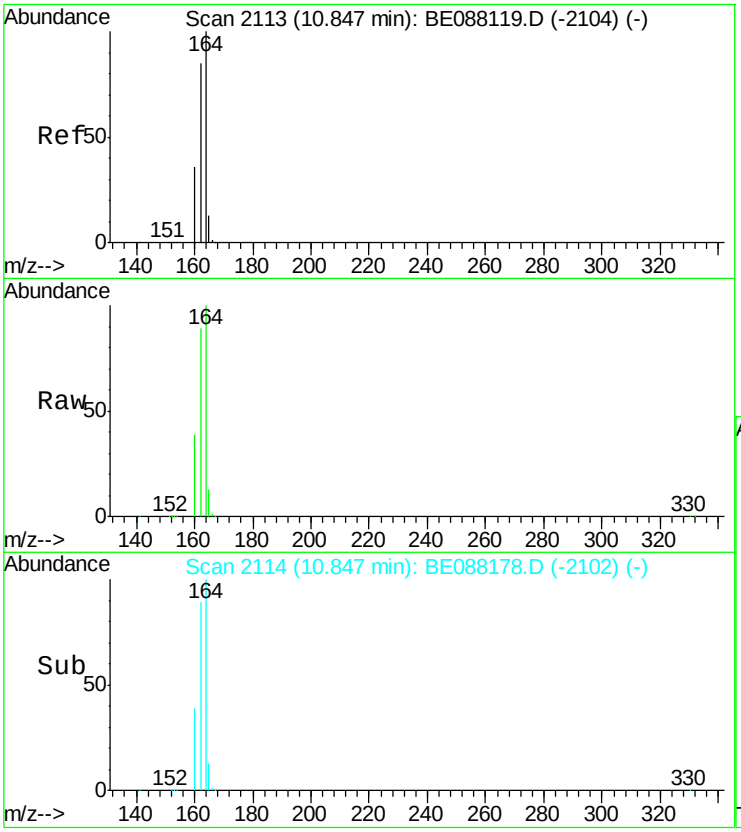


#6
2-Methylnaphthalene
Concen: 1.01 ng
RT: 9.58 min Scan# 1888
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:142 Resp: 14306

Ion	Ratio	Lower	Upper
142	100		
141	83.1	64.6	97.0
115	31.5	22.6	34.0





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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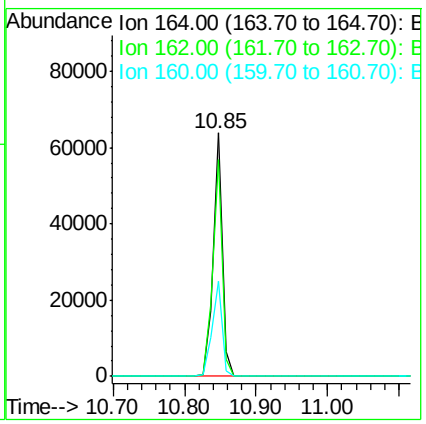
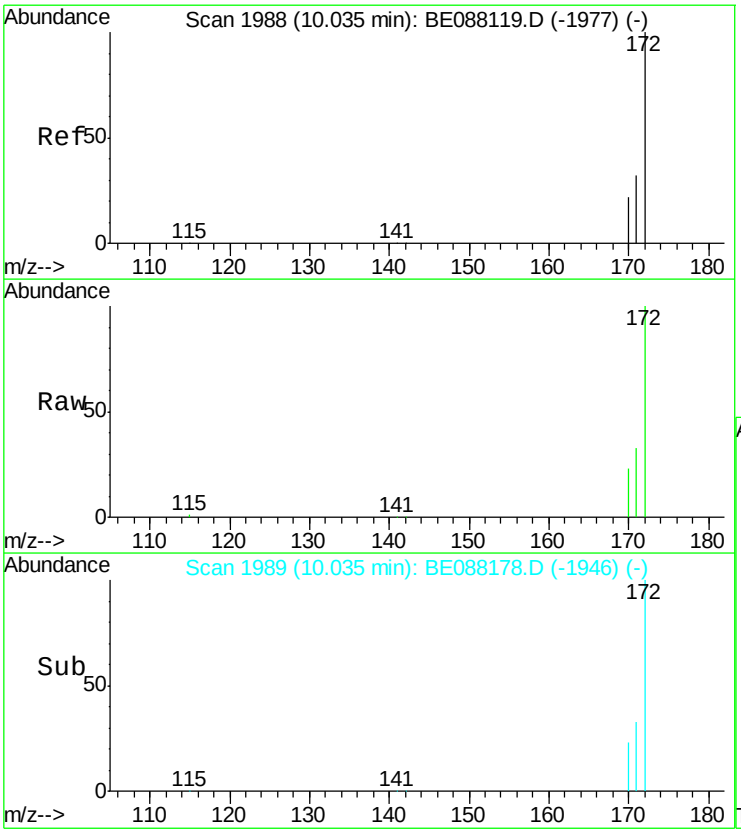
Tgt Ion:164 Resp: 58208

Ion	Ratio	Lower	Upper
164	100		
162	89.2	68.3	102.5
160	38.9	28.7	43.1

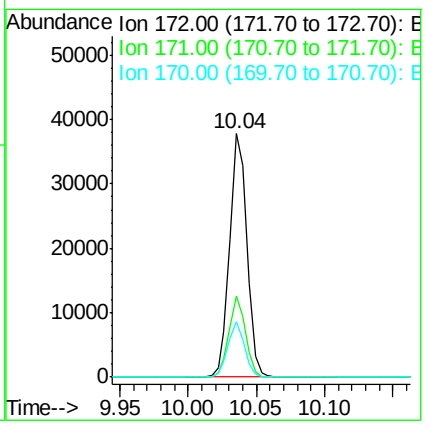


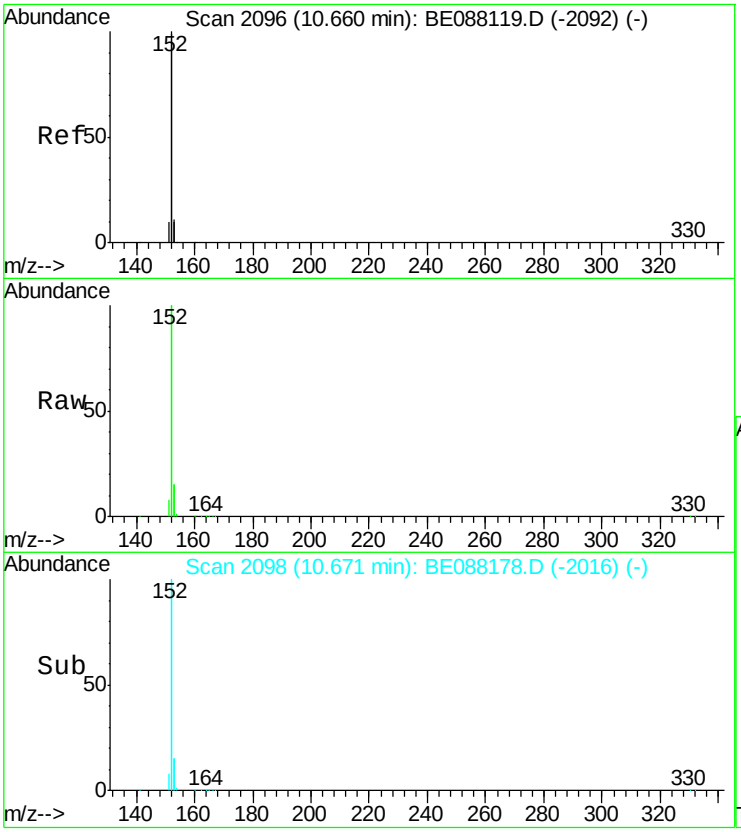


#8
2-Fluorobiphenyl
Concen: 2.02 ng
RT: 10.04 min Scan# 1989
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:172 Resp: 32535

Ion	Ratio	Lower	Upper
172	100		
171	33.0	25.4	38.2
170	23.0	17.4	26.2

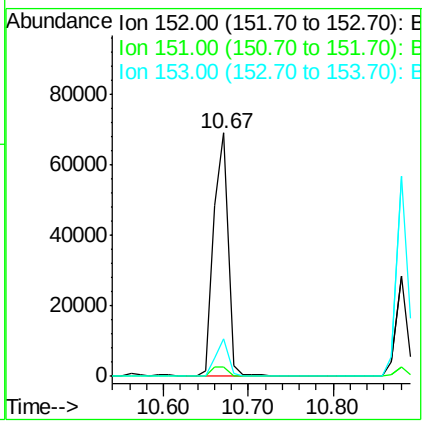




#9
Acenaphthylene
Concen: 0.91 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:152 Resp: 80327

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.7	5.5
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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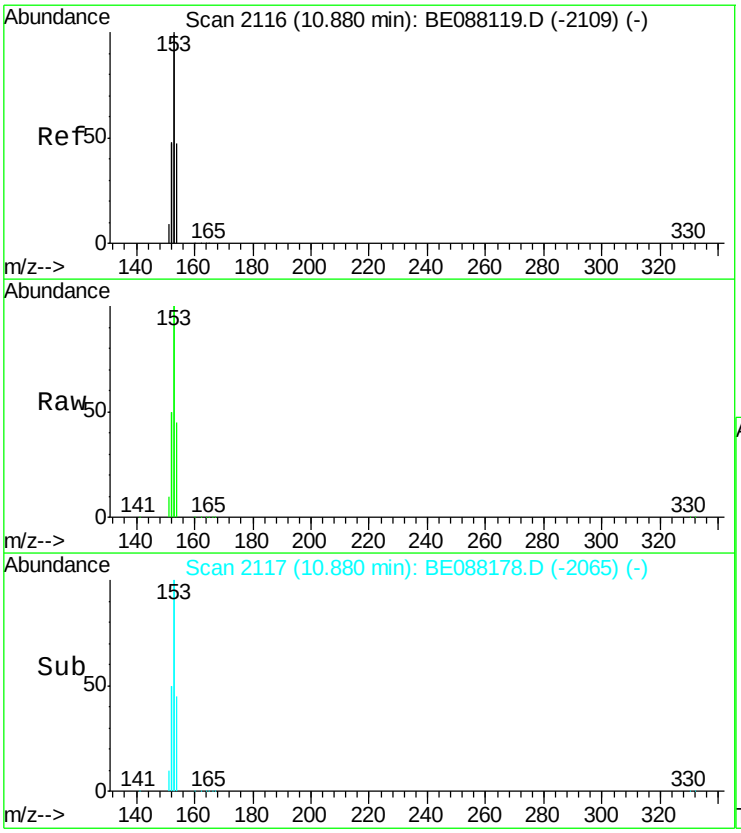
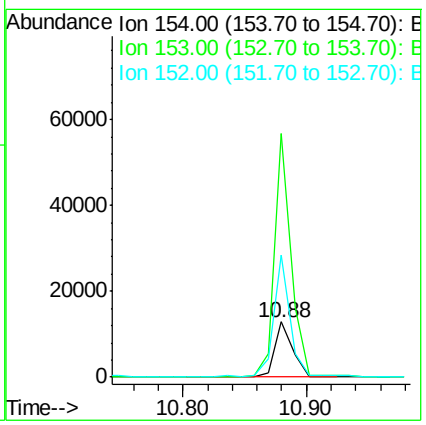
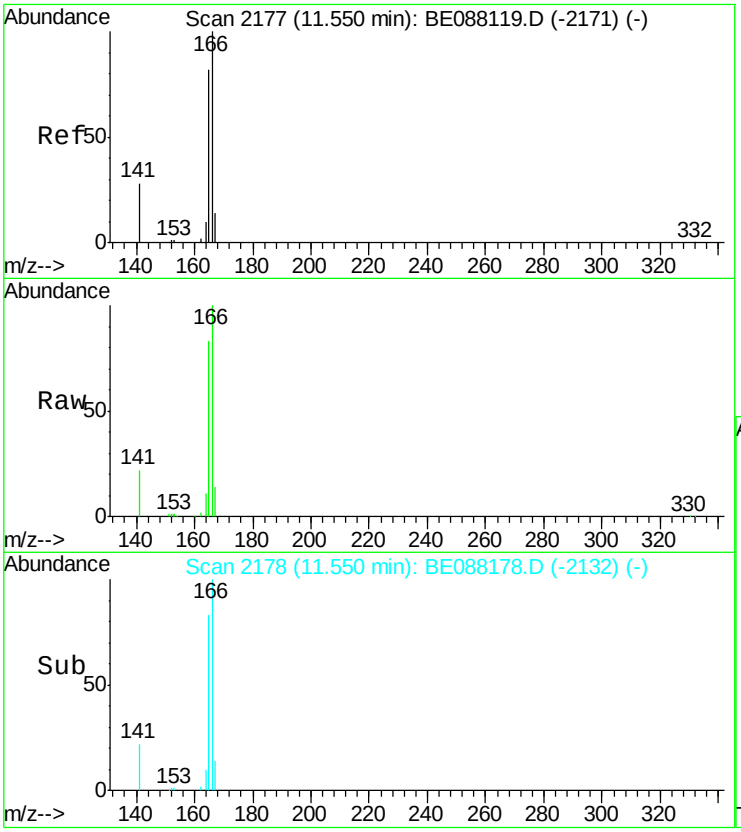


#10
Acenaphthene
Concen: 0.93 ng
RT: 10.88 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:154 Resp: 12701

Ion	Ratio	Lower	Upper
154	100		
153	407.4	327.8	491.6
152	196.6	157.6	236.4





#11
Fluorene
Concen: 0.96 ng
RT: 11.55 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:166 Resp: 13946

Ion	Ratio	Lower	Upper
166	100		
165	88.9	71.4	107.2
167	13.4	10.6	16.0

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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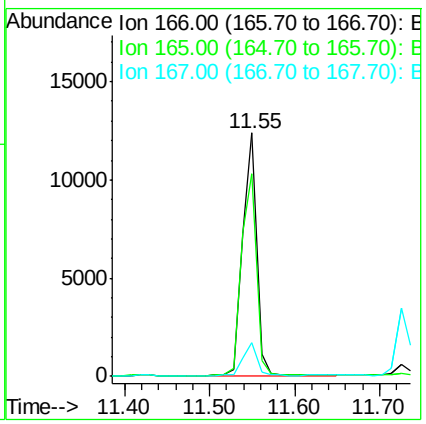
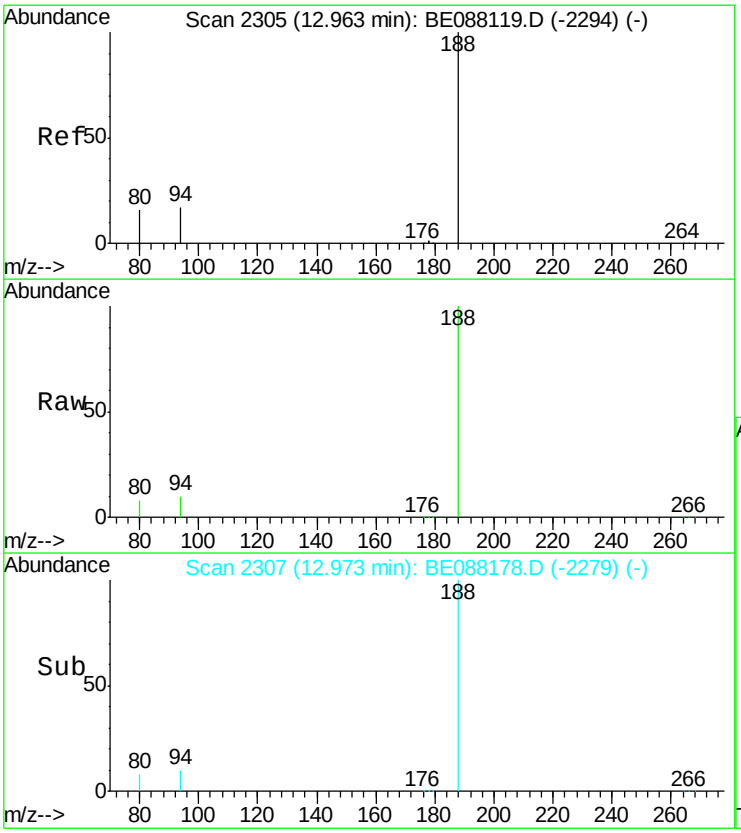
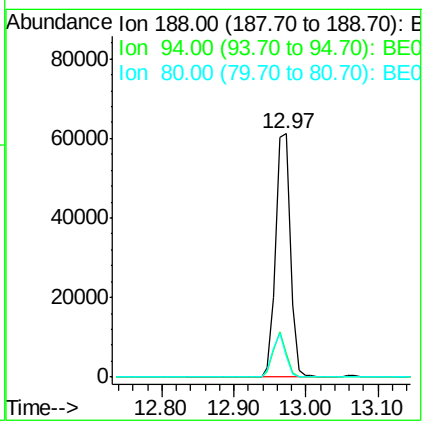


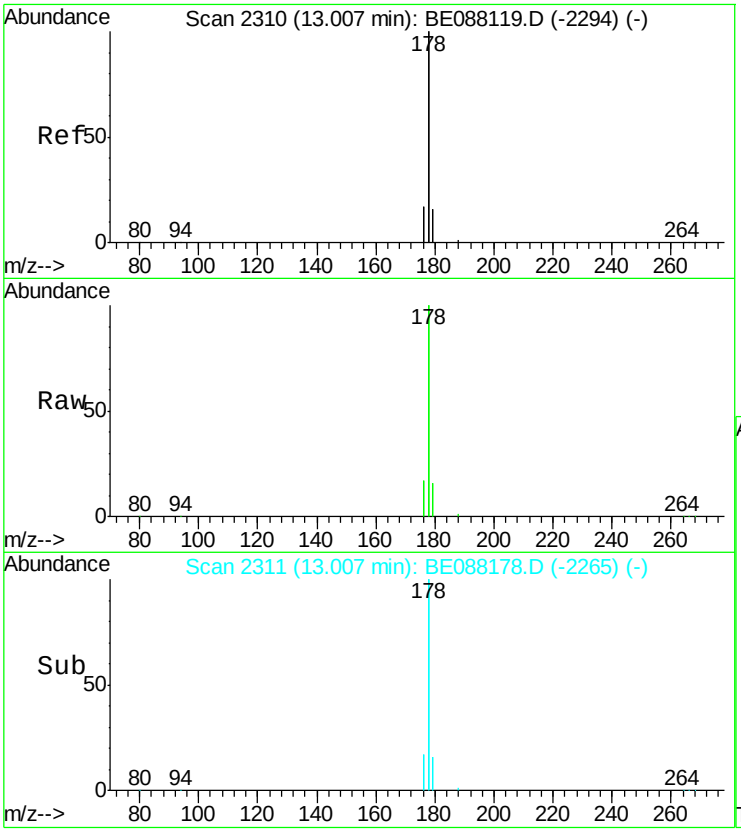


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:188 Resp: 103037

Ion	Ratio	Lower	Upper
188	100		
94	9.7	13.9	20.9#
80	8.4	12.9	19.3#

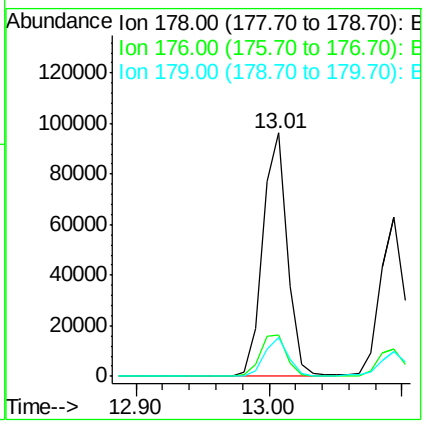




#13
Phenanthrene
Concen: 1.44 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:178 Resp: 121685

Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.5	18.7
179	15.5	13.5	20.3



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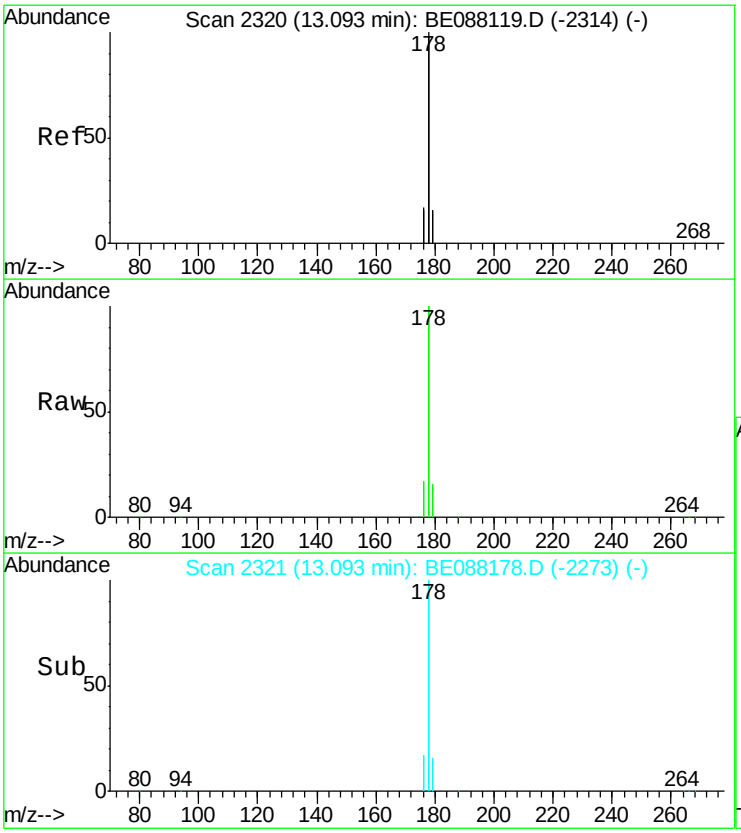
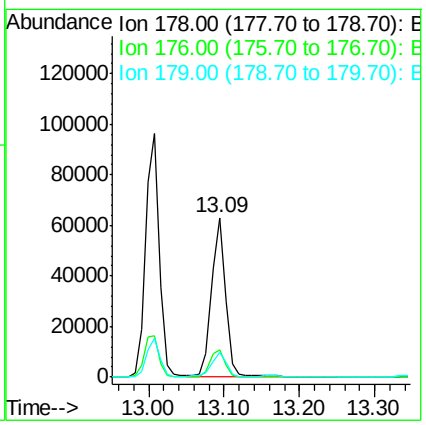
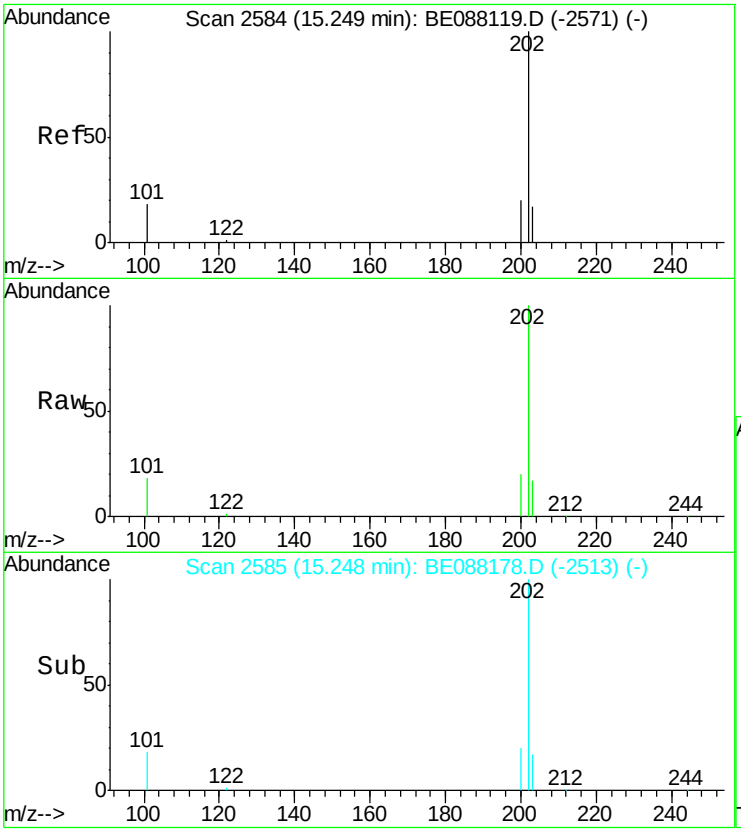


#14
Anthracene
Concen: 0.99 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:178 Resp: 79701

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	15.8	12.5	18.7

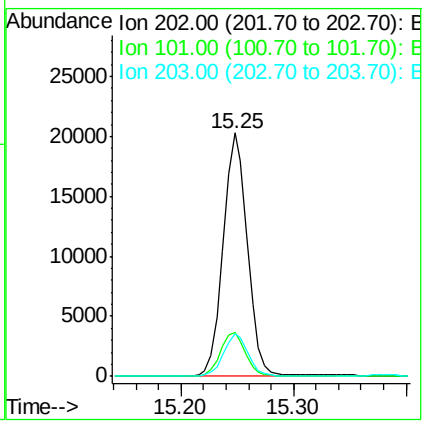




#15
Fluoranthene
Concen: 1.53 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:202 Resp: 30083

Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.2	13.5	20.3



Instrument :
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Manual Integrations APPROVED
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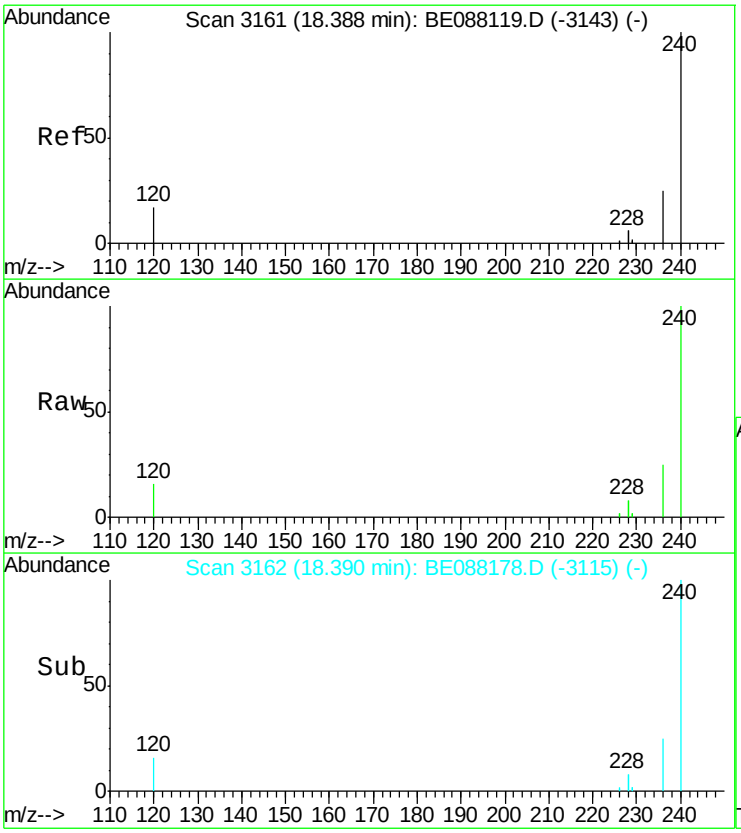
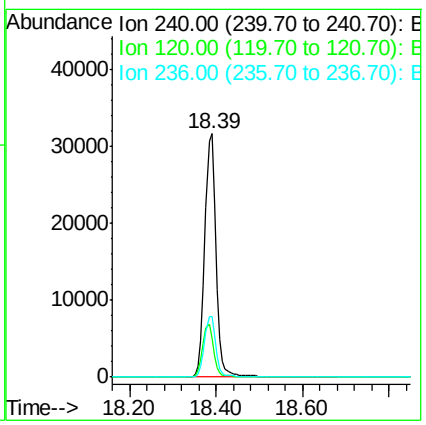
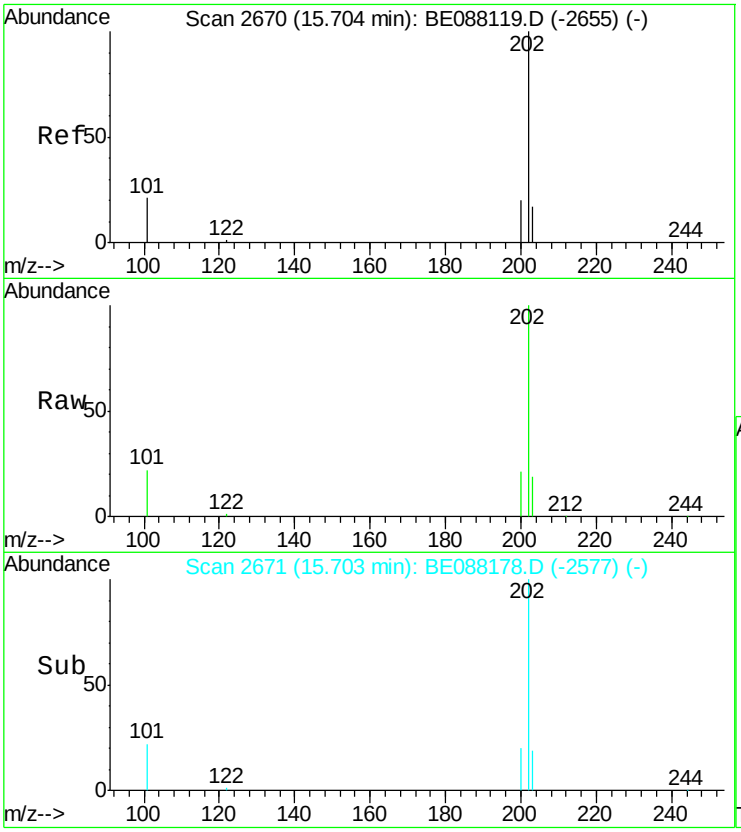


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:240 Resp: 56694

Ion	Ratio	Lower	Upper
240	100		
120	16.0	13.9	20.9
236	24.7	19.9	29.9





#17
Pyrene
Concen: 1.80 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:202 Resp: 27690

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	19.0	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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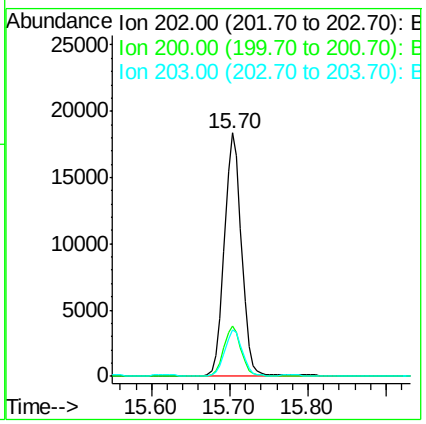
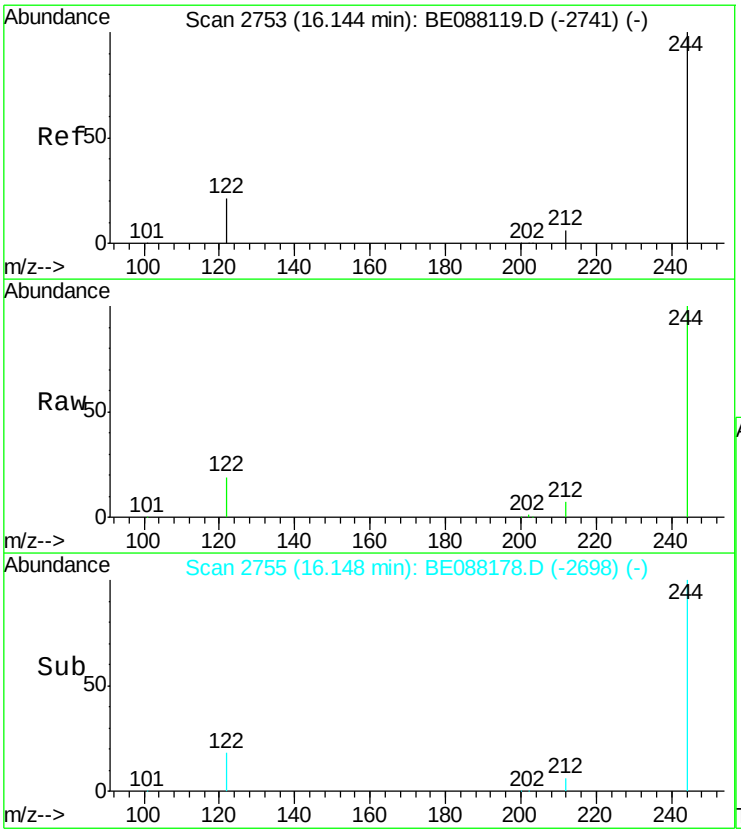
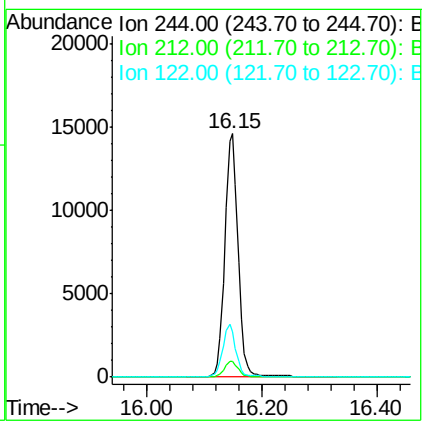


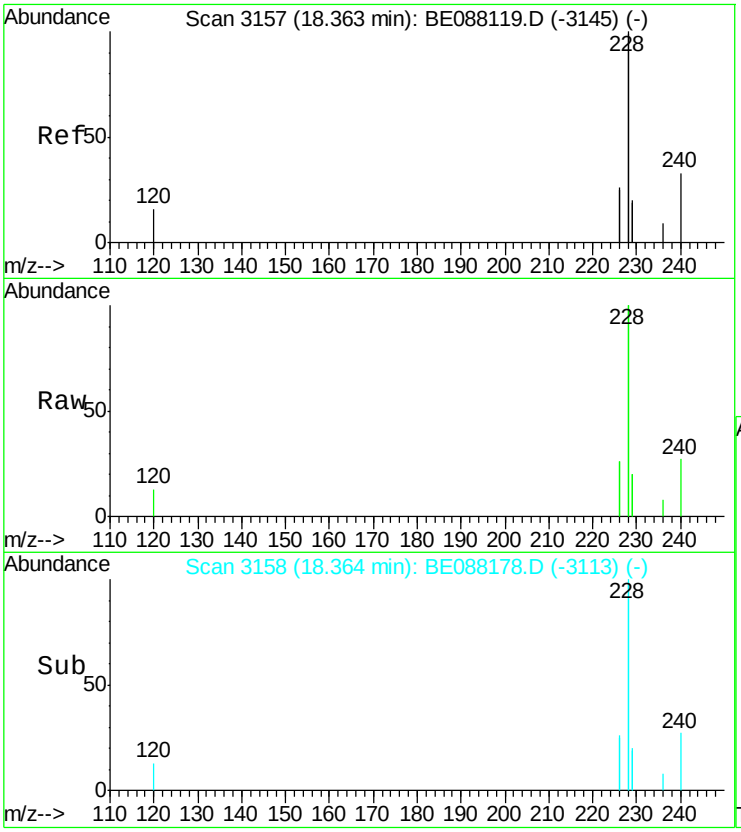


#18
Terphenyl-d14
Concen: 2.52 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:244 Resp: 23018

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	18.5	17.5	26.3

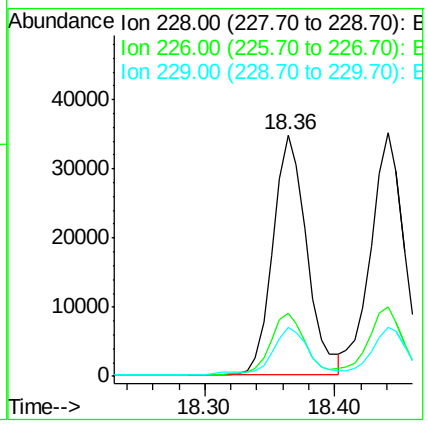




#19
Benzo(a)anthracene
Concen: 1.25 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:228 Resp: 63171

Ion	Ratio	Lower	Upper
228	100		
226	25.9	20.8	31.2
229	20.1	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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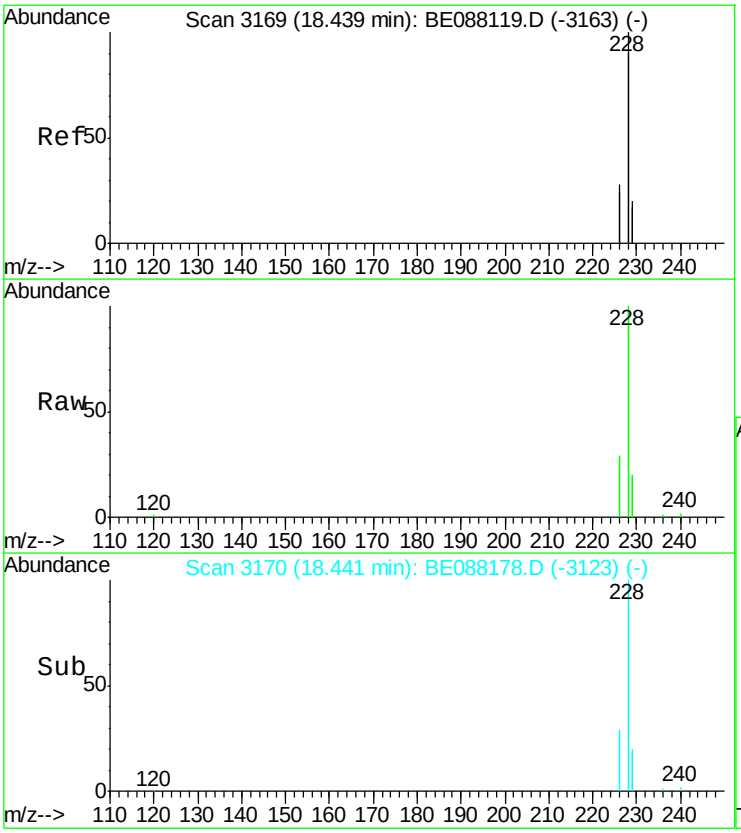
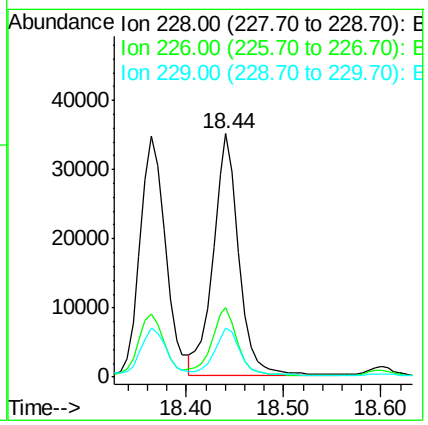
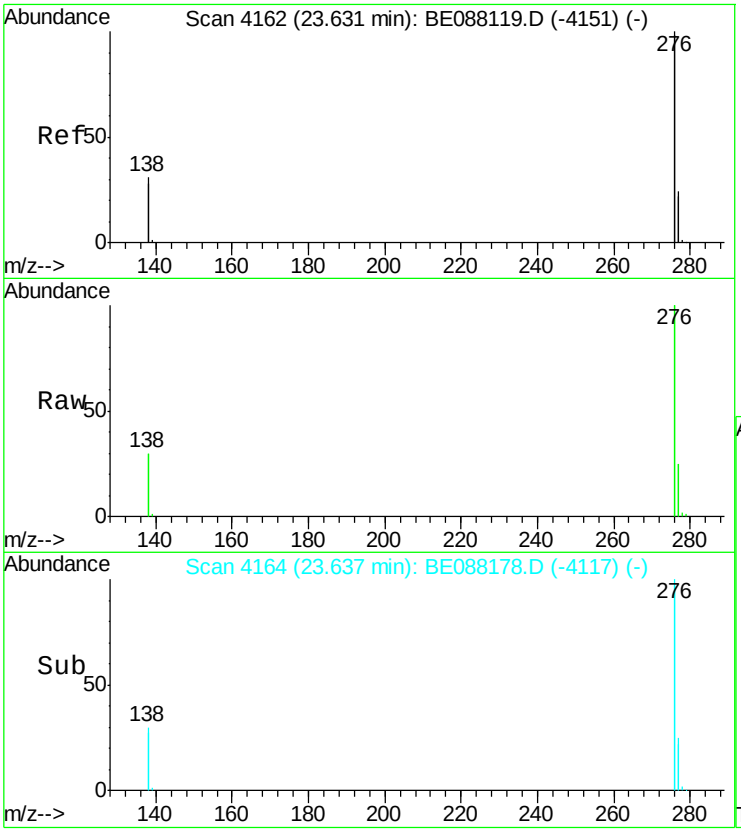


#20
Chrysene
Concen: 1.30 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:228 Resp: 64292

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	20.3	15.8	23.6

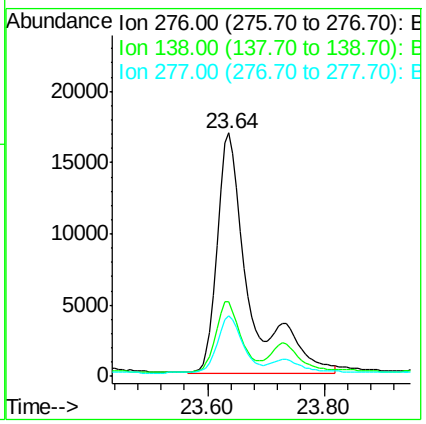




#21
Indeno(1,2,3-cd)pyrene
Concen: 1.17 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:276 Resp: 64057

Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.5	27.7
277	18.7	14.6	21.8



Instrument :
BNA_E
ClientSampleId :
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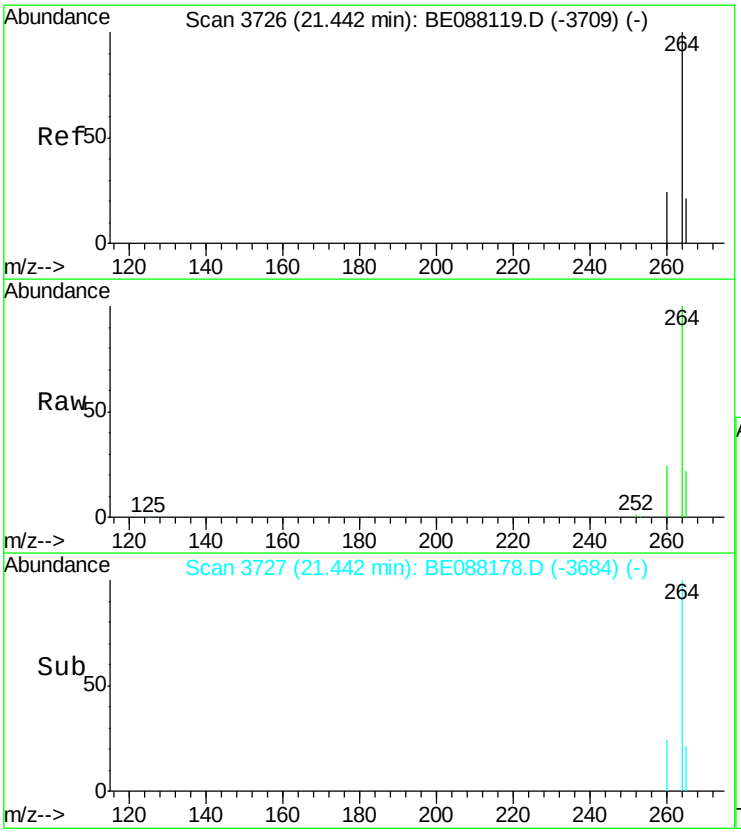
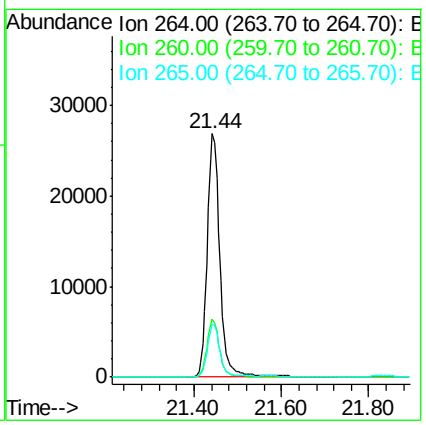
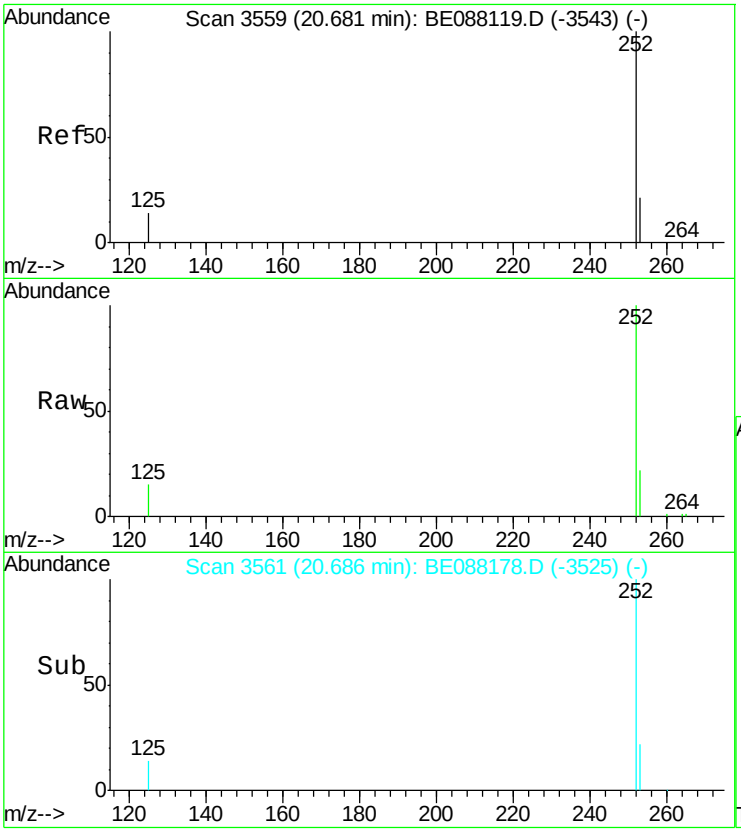


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:264 Resp: 52921

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.6	17.2	25.8

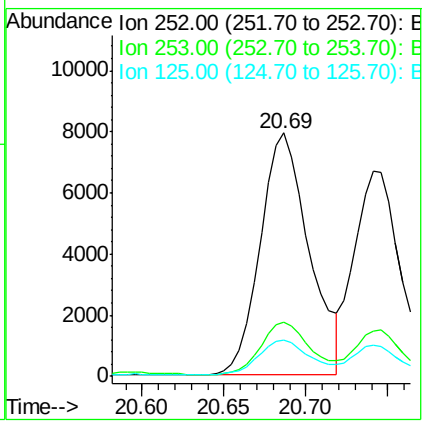




#23
Benzo(b)fluoranthene
Concen: 1.30 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:252 Resp: 16412

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	14.9	11.8	17.8



Instrument :
BNA_E
ClientSampleId :
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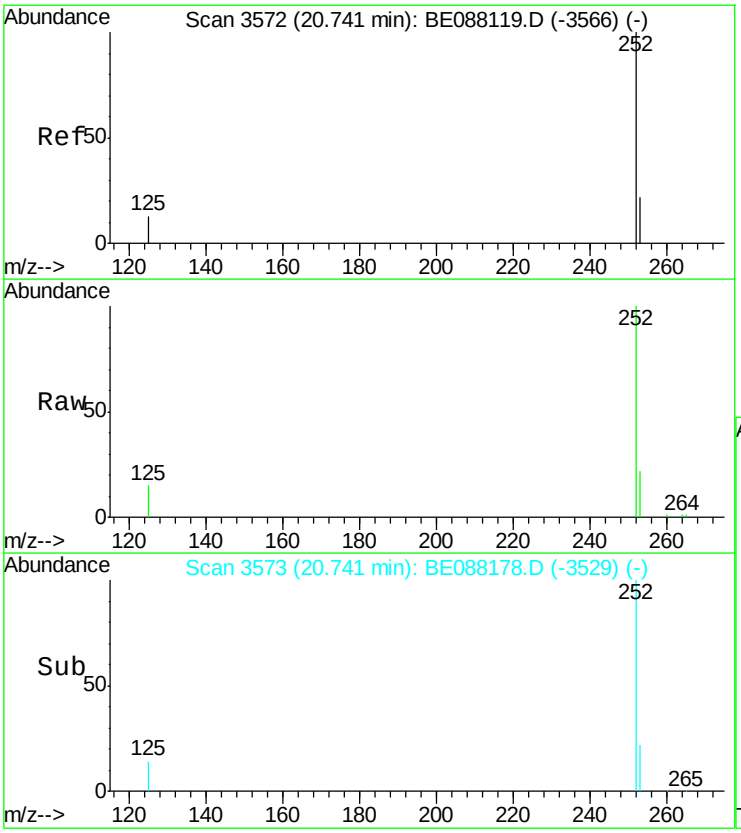
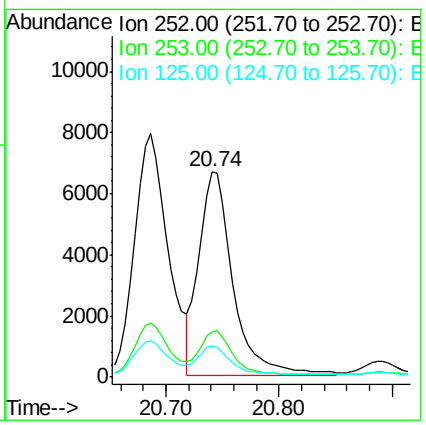
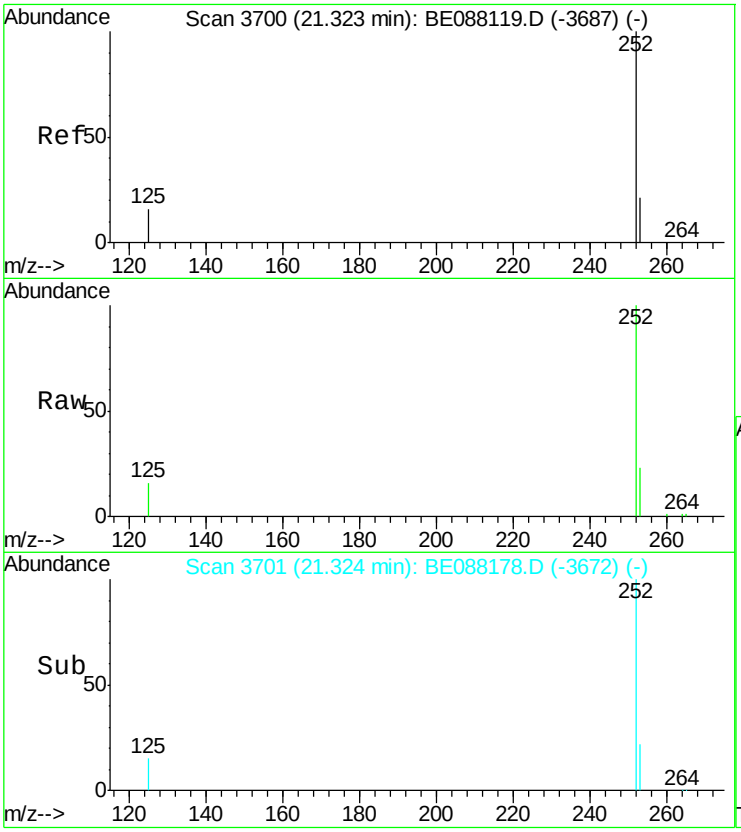


#24
Benzo(k)fluoranthene
Concen: 1.04 ng
RT: 20.74 min Scan# 3573
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:252 Resp: 13966

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	15.2	11.5	17.3





#25
Benzo(a)pyrene
Concen: 1.23 ng
RT: 21.32 min Scan# 3701
Delta R.T. 0.00 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:252 Resp: 14245

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	16.2	13.0	19.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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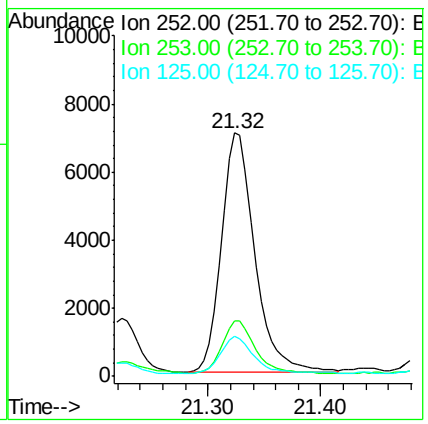
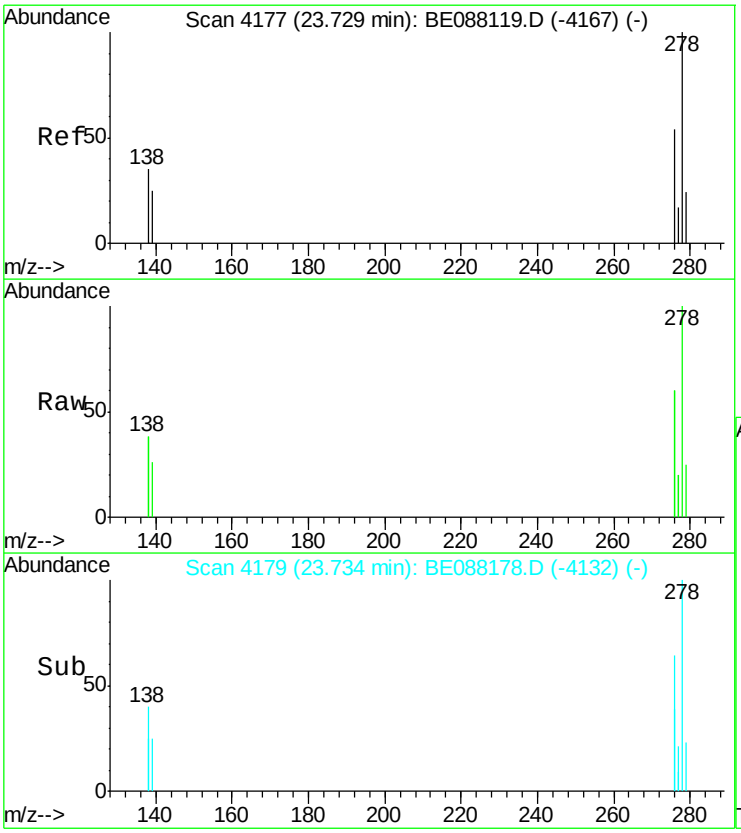
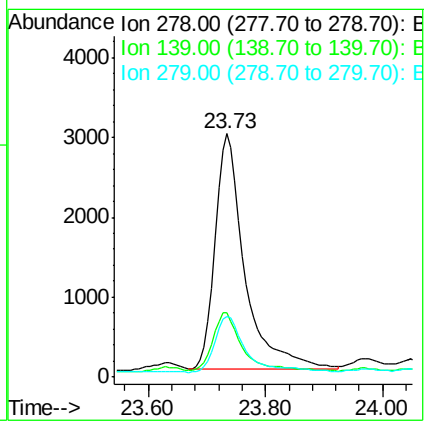


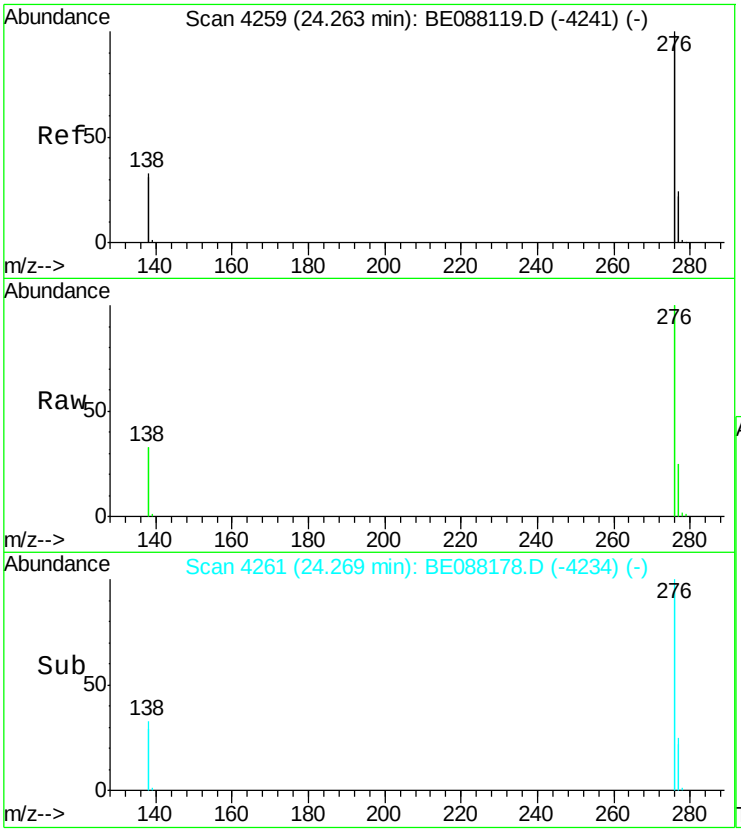


#26
Dibenzo(a,h)anthracene
Concen: 0.89 ng
RT: 23.73 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:278 Resp: 10177

Ion	Ratio	Lower	Upper
278	100		
139	26.3	20.9	31.3
279	24.9	19.8	29.8

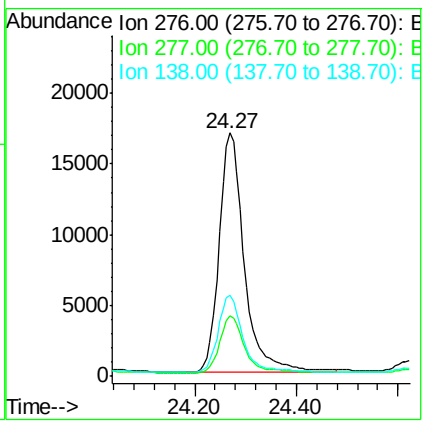




#27
Benzo(g,h,i)perylene
Concen: 1.16 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088178.D
Acq: 22 Oct 2014 12:29

Tgt Ion:276 Resp: 58128

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	33.0	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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