Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088473.D
Acq On : 2 Nov 2014 3:40
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Manual Integrations APPROVED
mohammad
11/4/2014 9:08:14 AM

Quant Time: Nov 02 05:44:38 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	25018	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	96304	5.00	ng	0.00
7) Acenaphthene-d10	10.80	164	44366	5.00	ng	0.01
12) Phenanthrene-d10	12.91	188	85520	5.00	ng	0.00
16) Chrysene-d12	18.33	240	52493	5.00	ng	0.02
22) Perylene-d12	21.40	264	52452	5.00	ng	0.02
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	7435	1.05	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	12973	1.04	ng	0.00
18) Terphenyl-d14	16.08	244	9409	0.98	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.30	88	3289	1.00	ng	100
5) Naphthalene	8.68	128	20835	1.05	ng	99
6) 2-Methylnaphthalene	9.53	142	12860	1.04	ng	97
9) Acenaphthylene	10.62	152	74915	1.04	ng	100
10) Acenaphthene	10.84	154	10713	1.01	ng	99
11) Fluorene	11.49	166	12082	1.07	ng	100
13) Phenanthrene	12.95	178	83161	1.07	ng	97
14) Anthracene	13.03	178	65812	1.05	ng	98
15) Fluoranthene	15.19	202	14688	1.16	ng	100
17) Pyrene	15.65	202	15423	0.90	ng	100
19) Benzo(a)anthracene	18.31	228	53981	1.09	ng	99
20) Chrysene	18.38	228	50351	1.04	ng	100
21) Indeno(1,2,3-cd)pyrene	23.58	276	60836m	1.35	ng	
23) Benzo(b)fluoranthene	20.64	252	12904	1.12	ng	97
24) Benzo(k)fluoranthene	20.69	252	13022	1.03	ng	96
25) Benzo(a)pyrene	21.28	252	12548	1.14	ng	96
26) Dibenzo(a,h)anthracene	23.68	278	11940	1.16	ng	96
27) Benzo(g,h,i)perylene	24.21	276	52225	1.11	ng	99

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

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Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088473.D
Acq On : 2 Nov 2014 3:40
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Misc :
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Manual Integrations APPROVED
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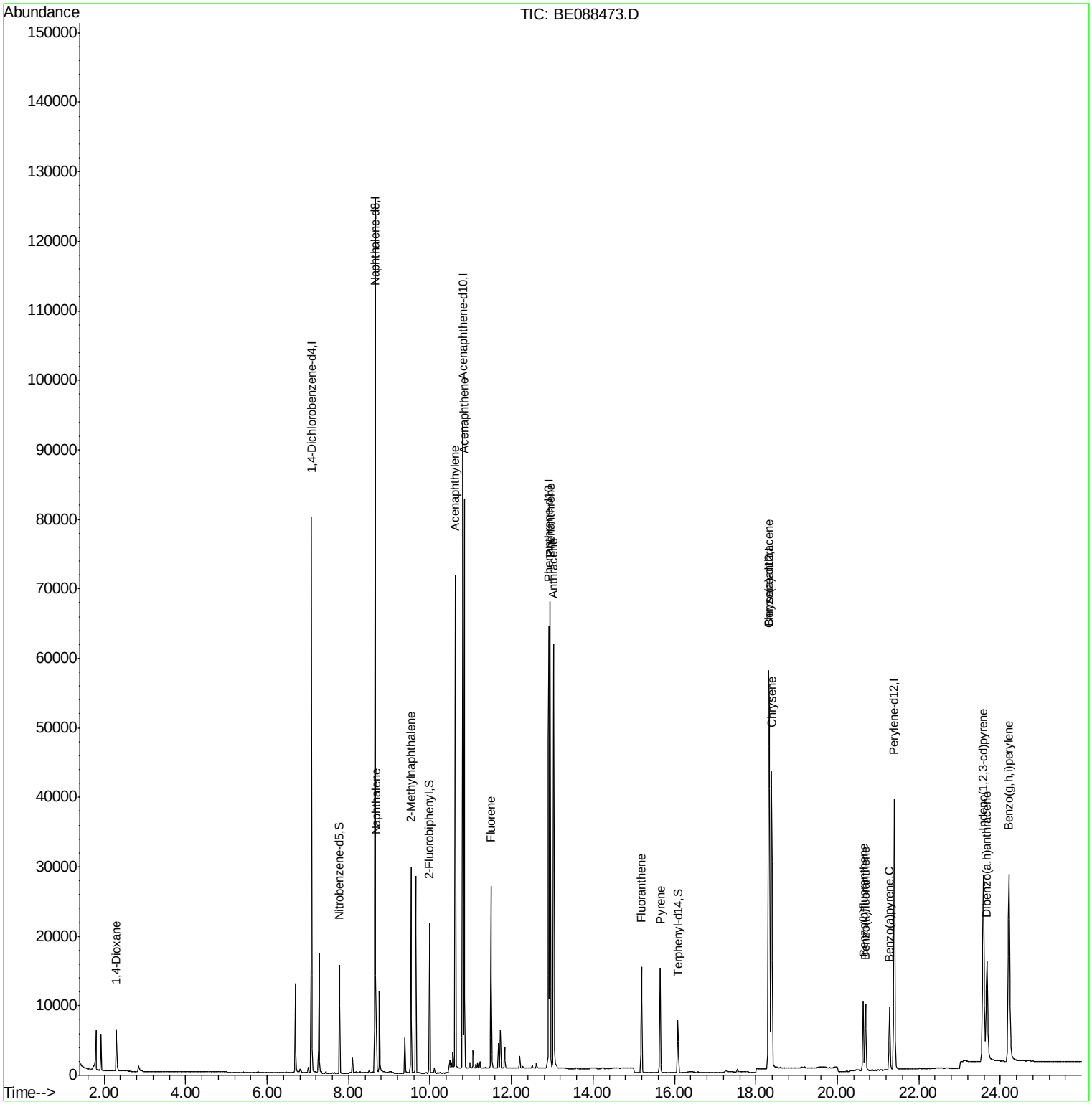
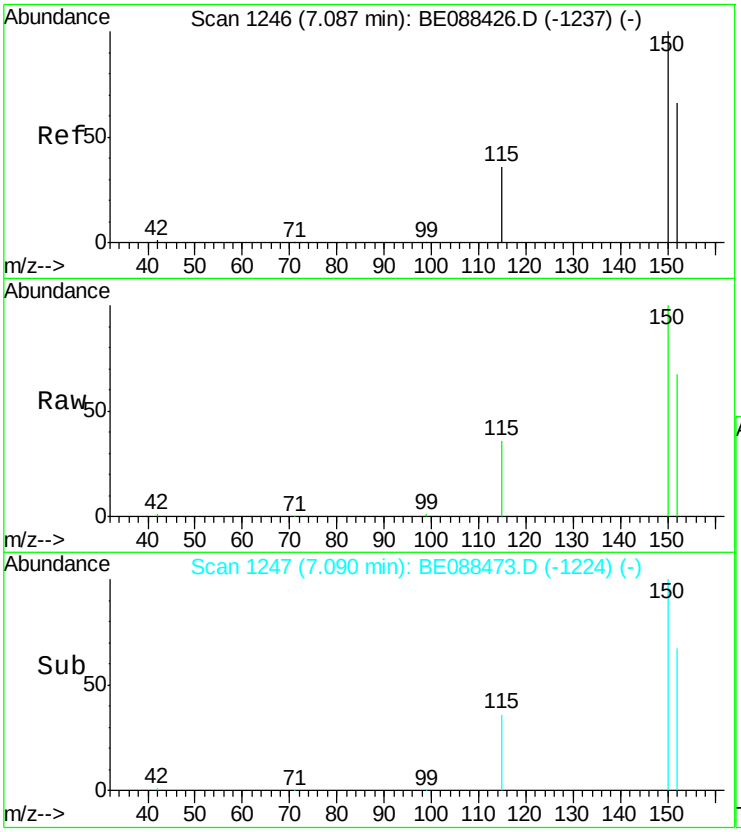
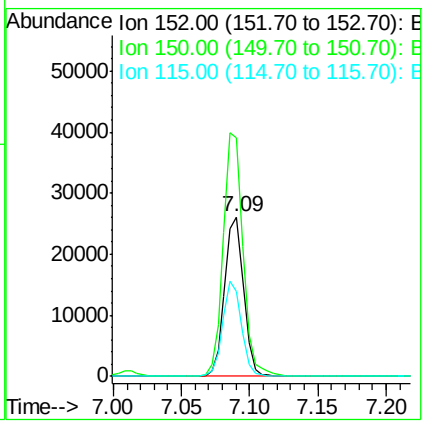




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.09 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:152 Resp: 25018

Ion	Ratio	Lower	Upper
152	100		
150	149.3	121.8	182.8
115	53.3	43.9	65.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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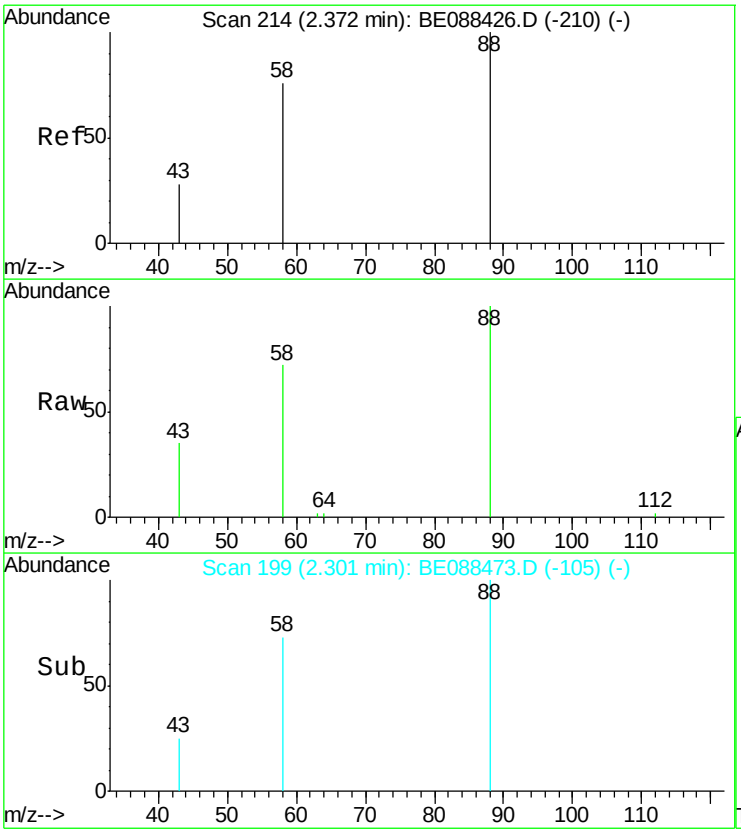
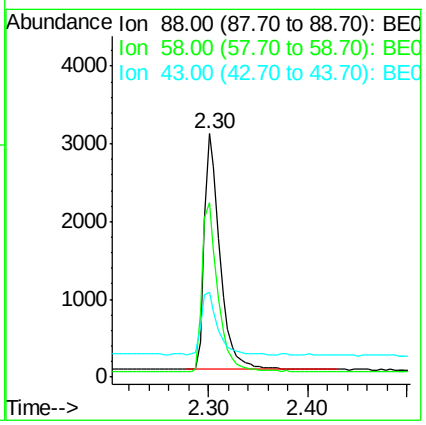
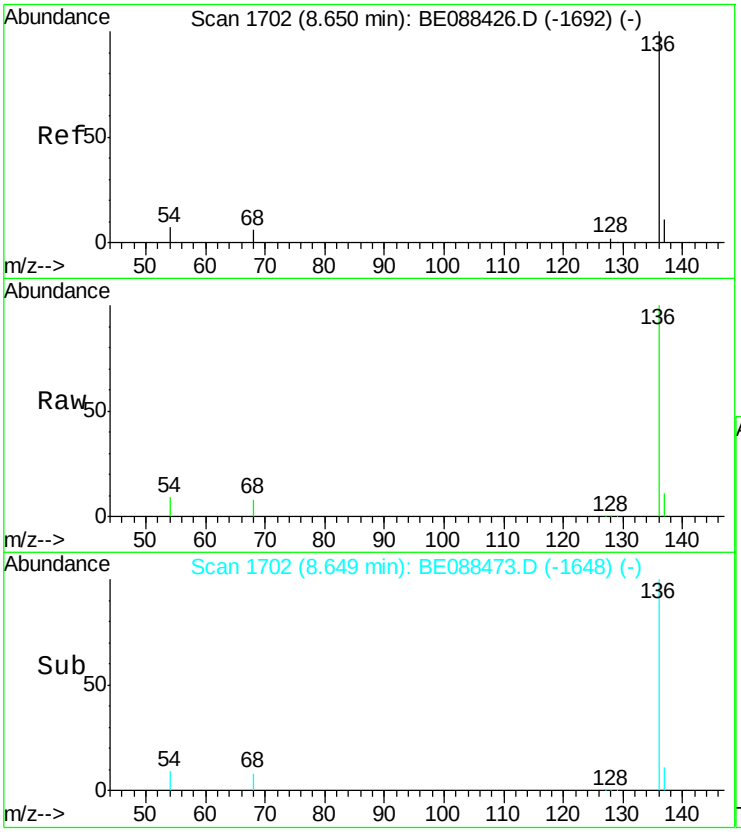


#2
1,4-Dioxane
Concen: 1.00 ng
RT: 2.30 min Scan# 199
Delta R.T. -0.07 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion: 88 Resp: 3289

Ion	Ratio	Lower	Upper
88	100		
58	74.2	59.1	88.7
43	27.7	21.9	32.9

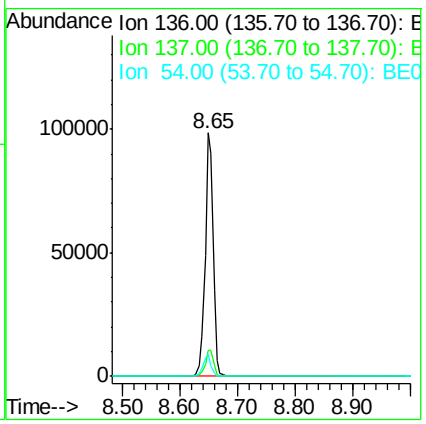




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:136 Resp: 96304

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.1	5.3	7.9#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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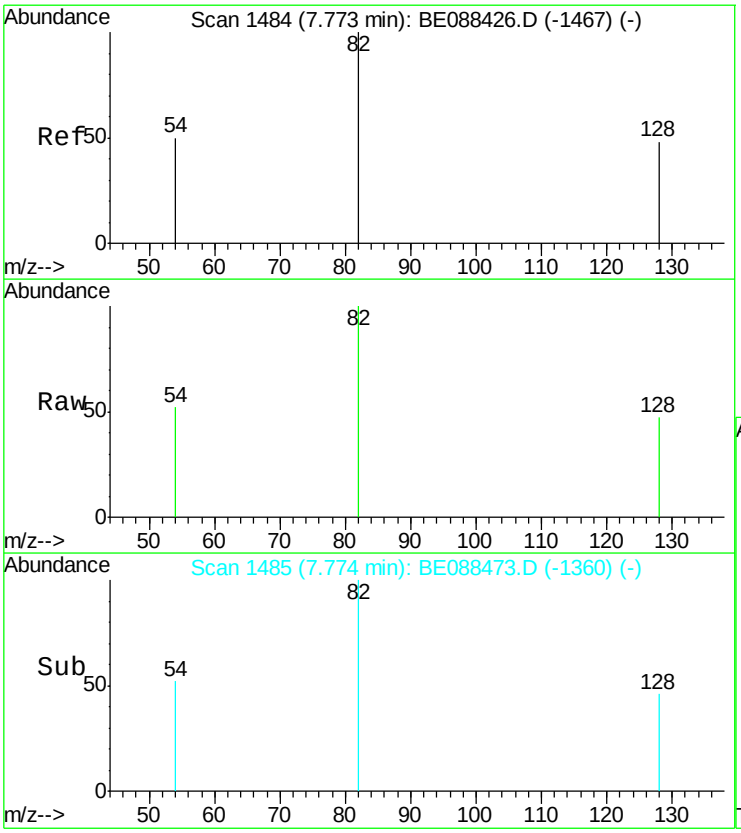
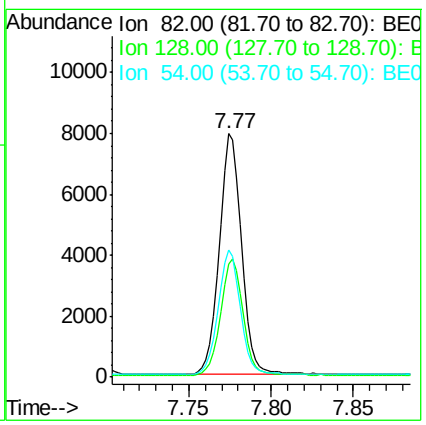
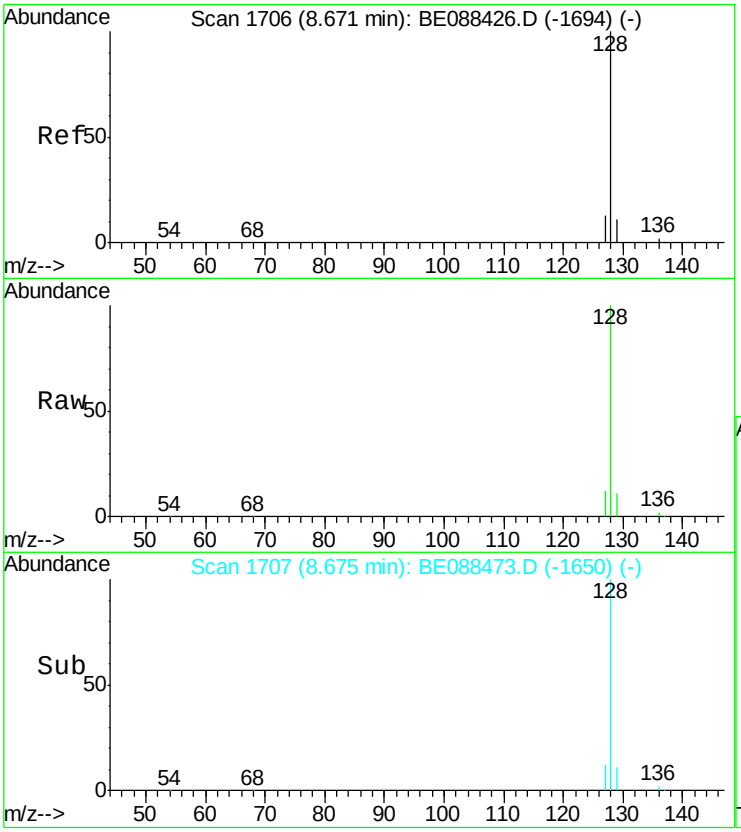


#4
Nitrobenzene-d5
Concen: 1.05 ng
RT: 7.77 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion: 82 Resp: 7435

Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.4	57.6
54	52.4	40.2	60.2

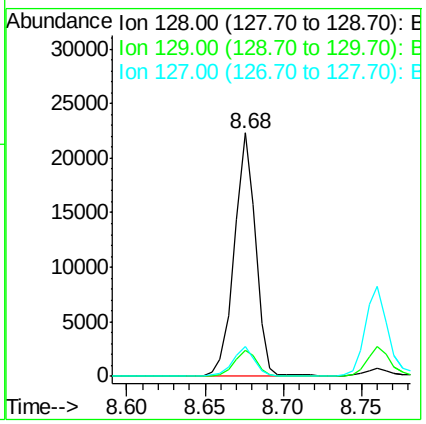




#5
Naphthalene
Concen: 1.05 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:128 Resp: 20835

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.2	10.1	15.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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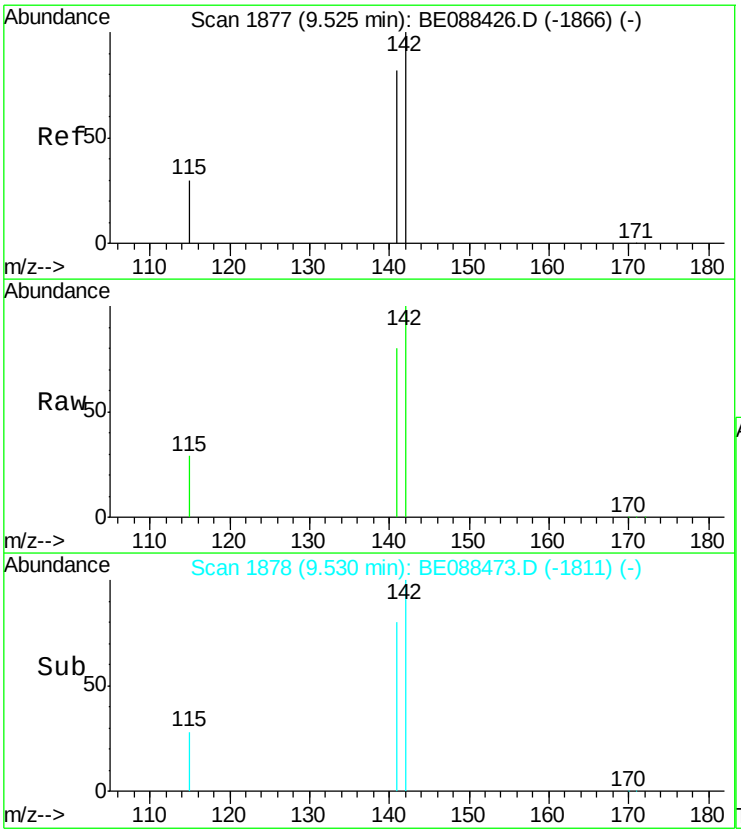
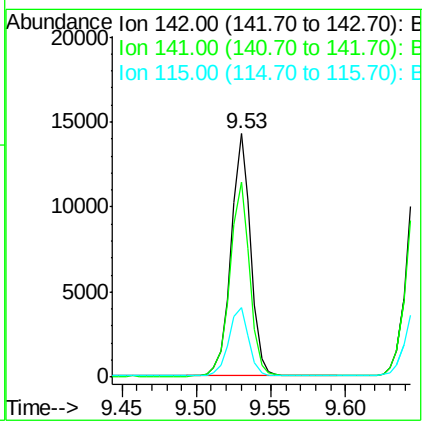
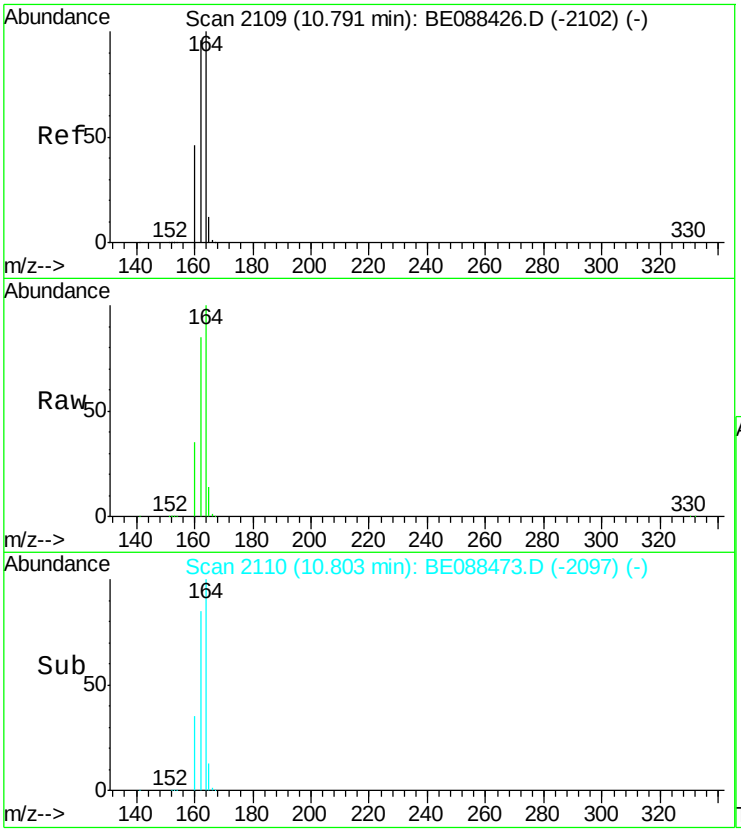


#6
2-Methylnaphthalene
Concen: 1.04 ng
RT: 9.53 min Scan# 1878
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:142 Resp: 12860

Ion	Ratio	Lower	Upper
142	100		
141	80.2	65.8	98.8
115	28.7	24.2	36.4





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.80 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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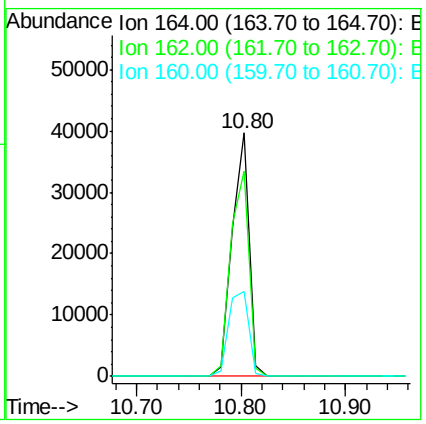
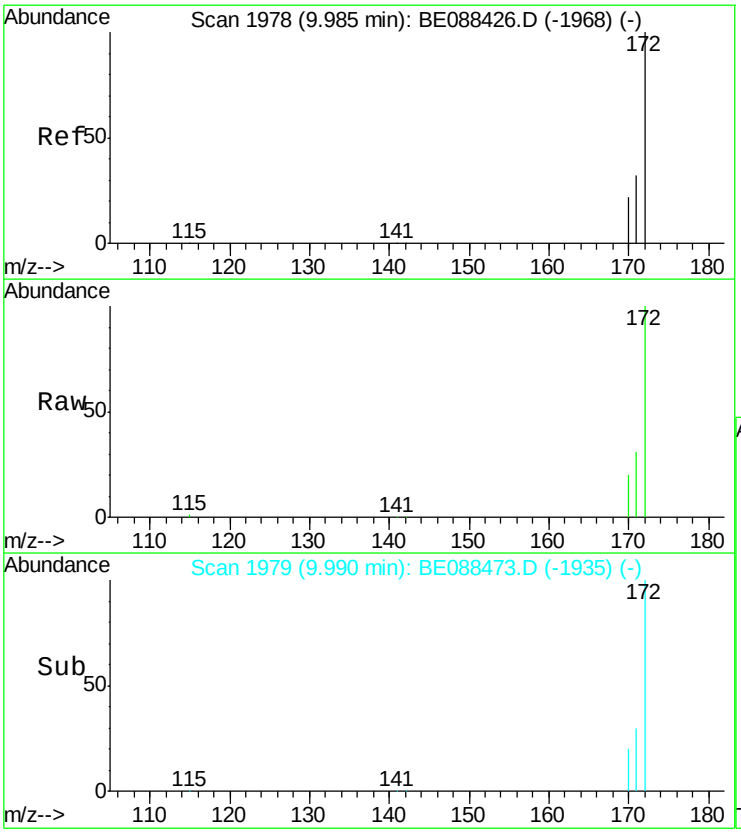
Tgt Ion:164 Resp: 44366

Ion	Ratio	Lower	Upper
164	100		
162	84.5	77.0	115.4
160	34.9	36.8	55.2#

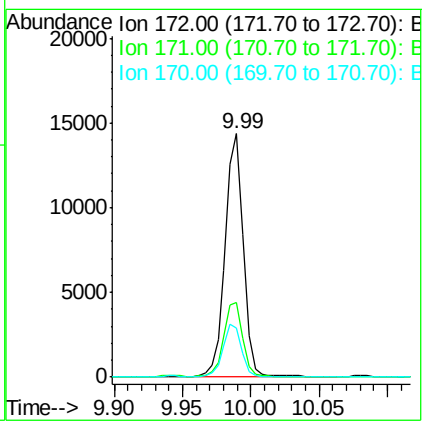


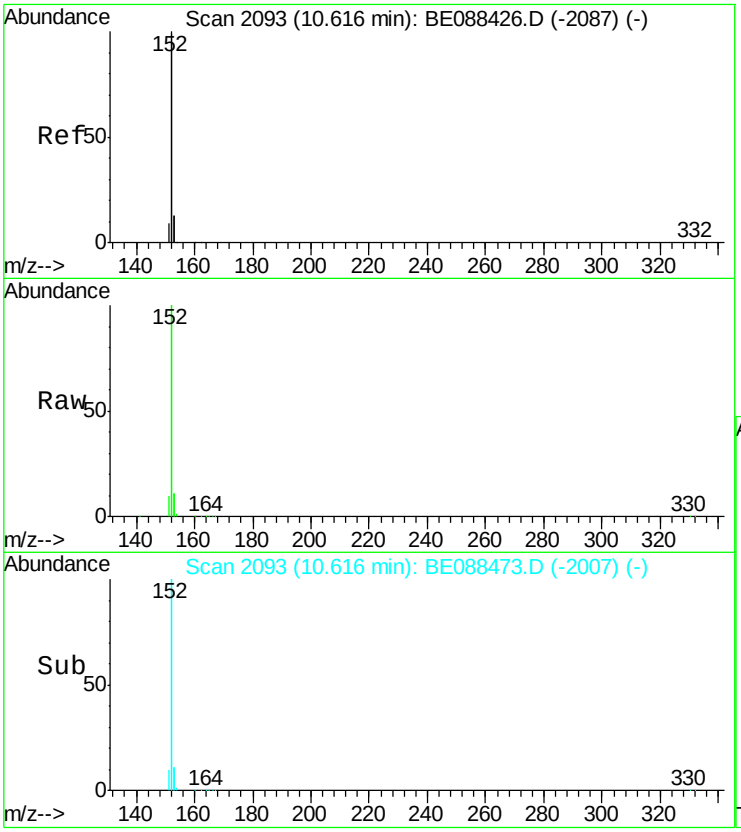


#8
2-Fluorobiphenyl
Concen: 1.04 ng
RT: 9.99 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:172 Resp: 12973

Ion	Ratio	Lower	Upper
172	100		
171	30.5	26.0	39.0
170	20.1	17.6	26.4

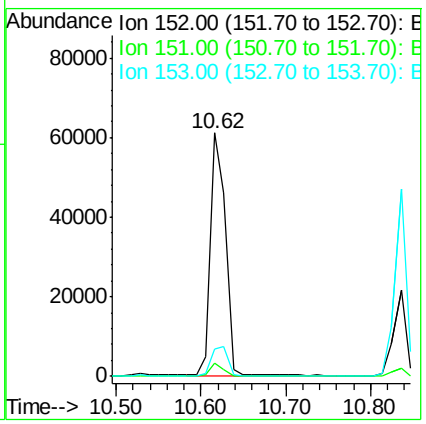




#9
Acenaphthylene
Concen: 1.04 ng
RT: 10.62 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:152 Resp: 74915

Ion	Ratio	Lower	Upper
152	100		
151	5.9	4.4	6.6
153	13.1	10.5	15.7



Instrument :
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ClientSampleId :
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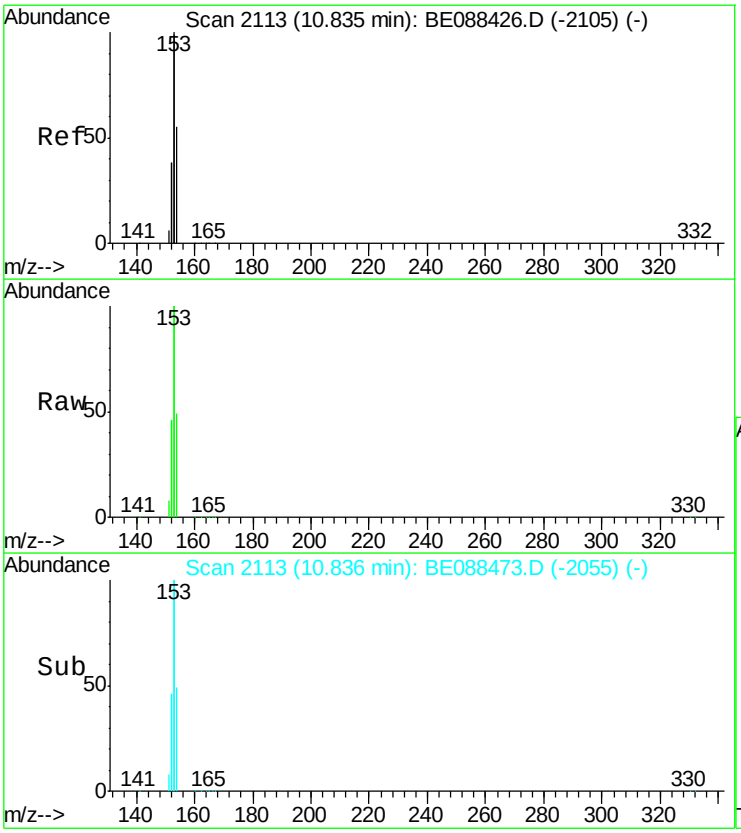
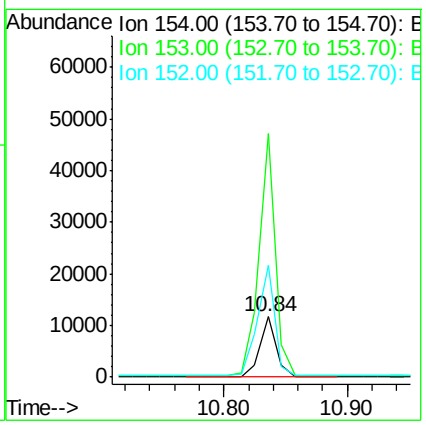
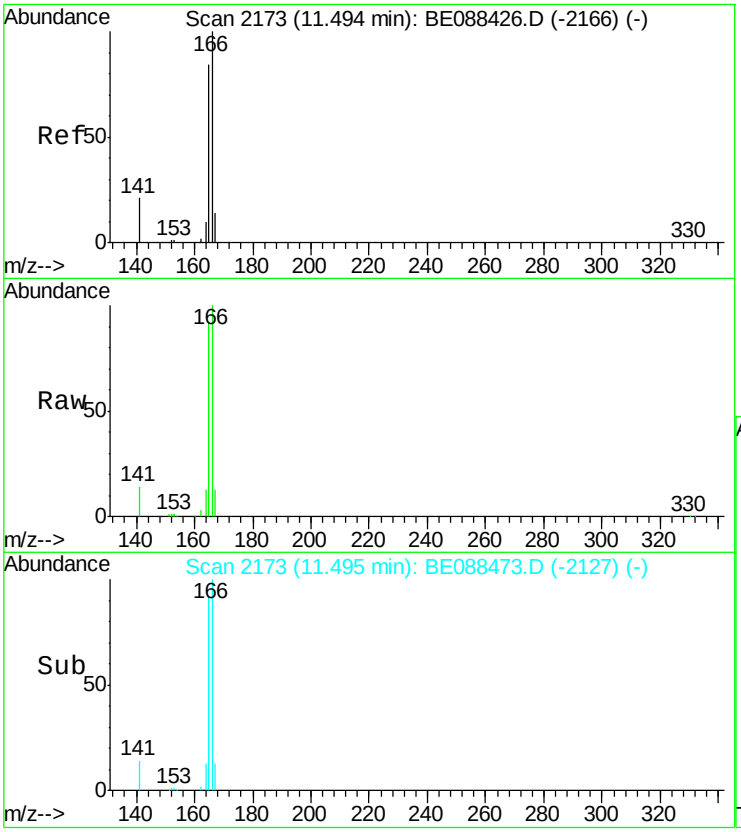


#10
Acenaphthene
Concen: 1.01 ng
RT: 10.84 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:154 Resp: 10713

Ion	Ratio	Lower	Upper
154	100		
153	406.7	324.3	486.5
152	195.9	154.9	232.3





#11
Fluorene
Concen: 1.07 ng
RT: 11.49 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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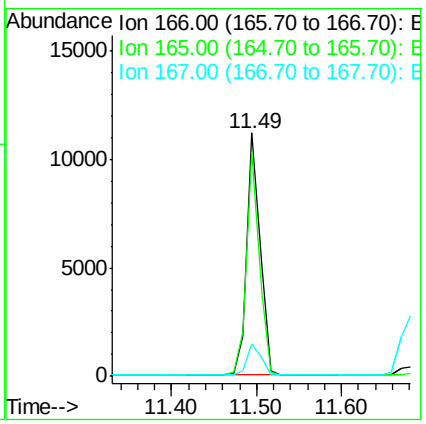
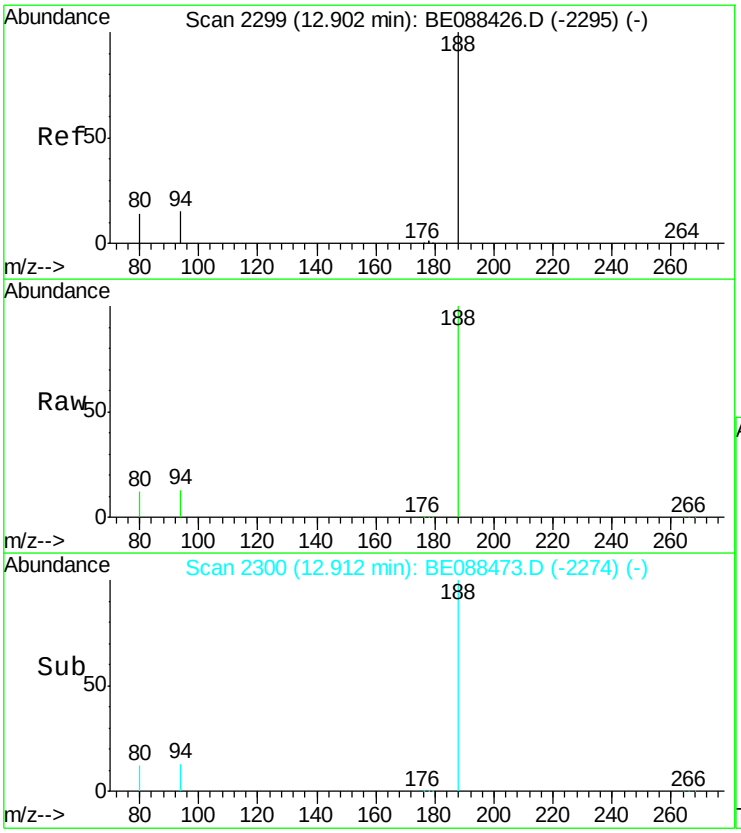
Tgt Ion:166 Resp: 12082

Ion	Ratio	Lower	Upper
166	100		
165	89.6	71.3	106.9
167	13.6	10.7	16.1

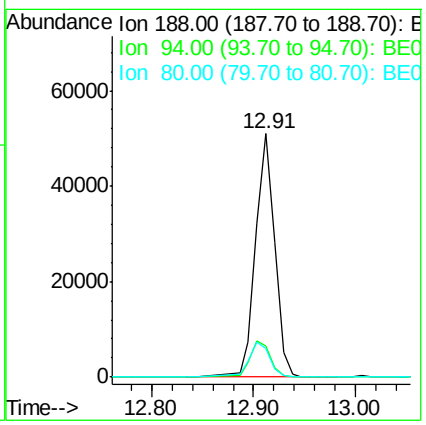


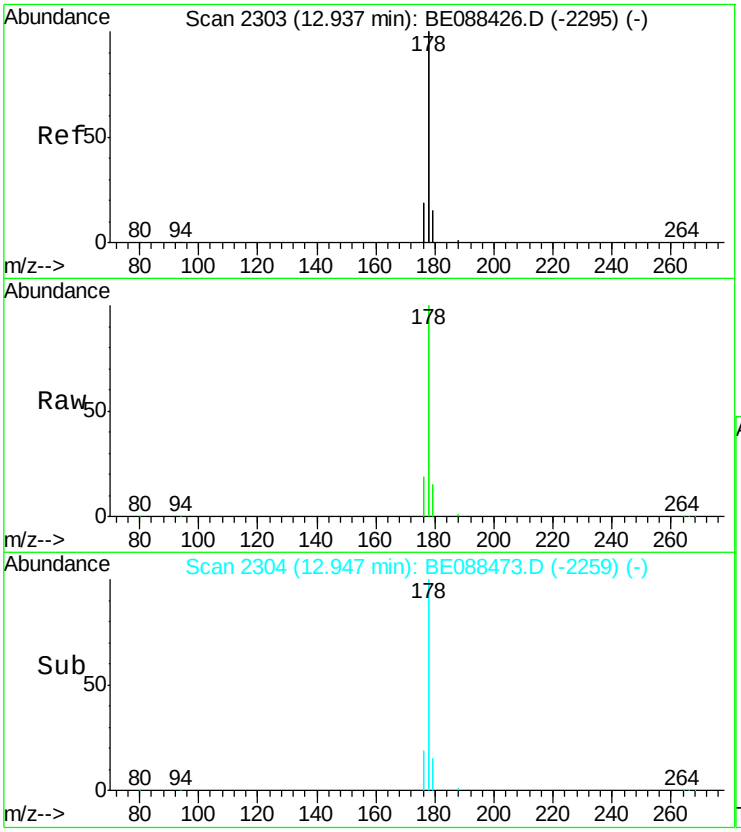


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:188 Resp: 85520

Ion	Ratio	Lower	Upper
188	100		
94	12.9	11.8	17.8
80	11.6	10.9	16.3





#13
Phenanthrene
Concen: 1.07 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:178 Resp: 83161

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.4	23.2
179	17.5	12.8	19.2

Instrument :
BNA_E
ClientSampleId :
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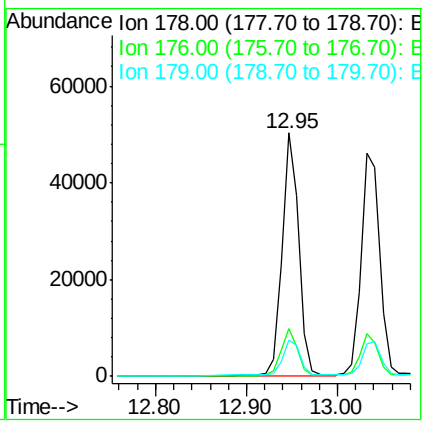
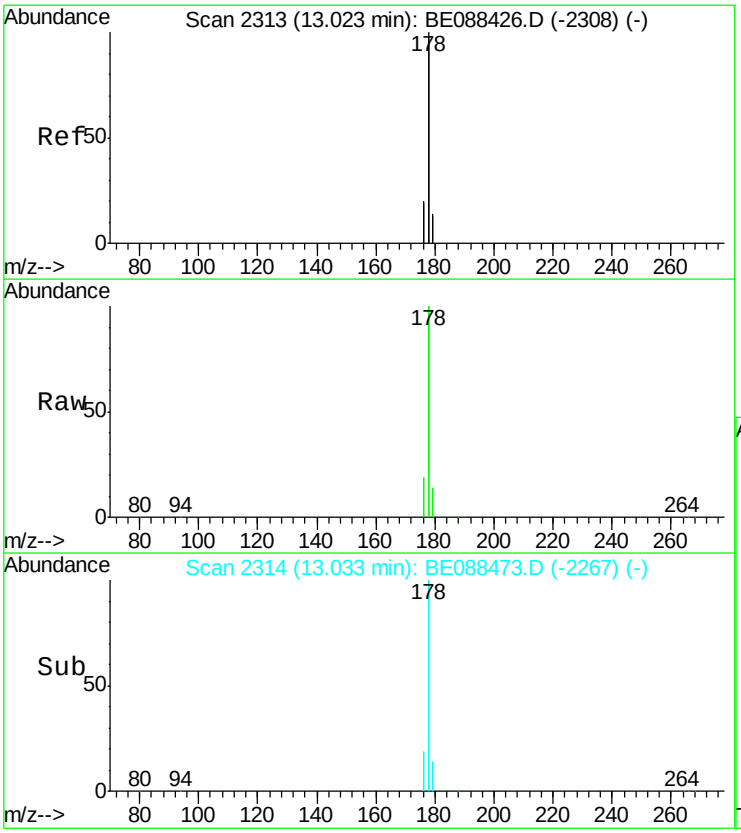
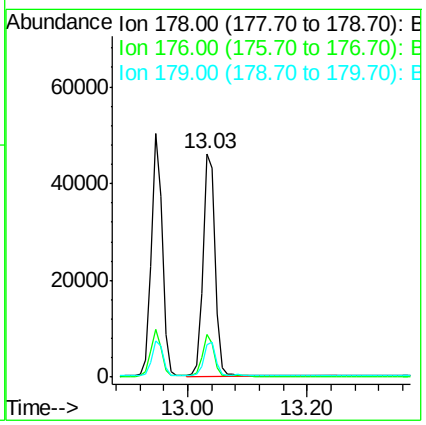


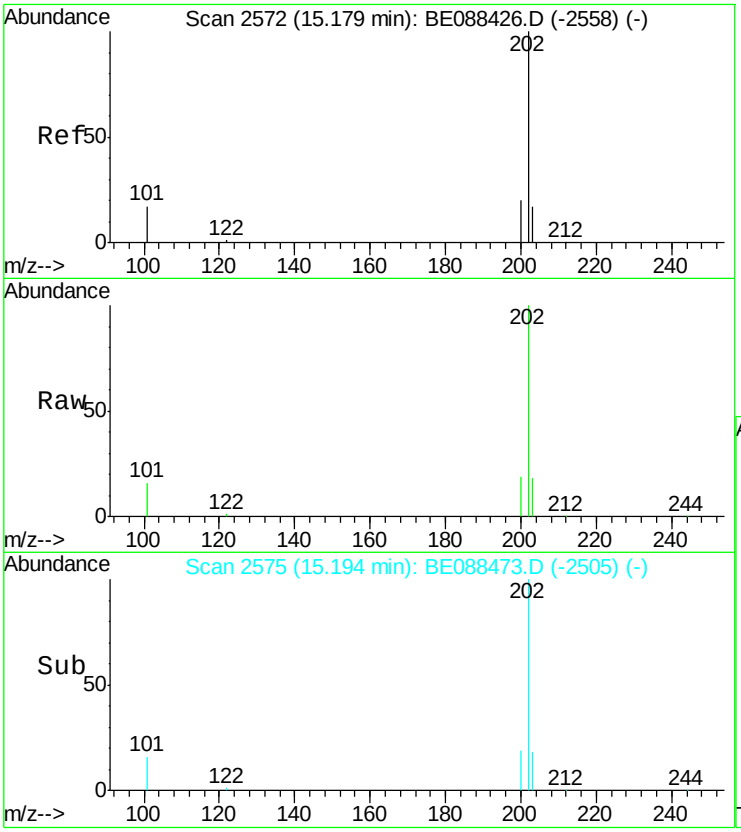


#14
Anthracene
Concen: 1.05 ng
RT: 13.03 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:178 Resp: 65812

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	14.8	12.5	18.7

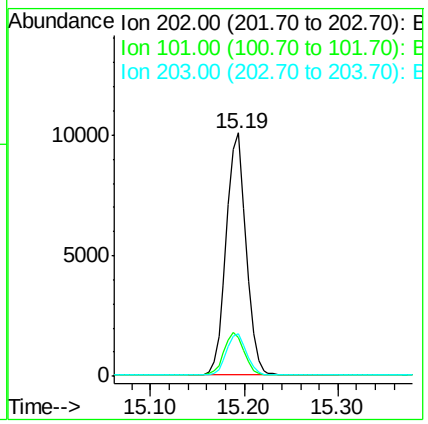




#15
Fluoranthene
Concen: 1.16 ng
RT: 15.19 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:202 Resp: 14688

Ion	Ratio	Lower	Upper
202	100		
101	17.6	14.3	21.5
203	17.0	13.6	20.4



Instrument :
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ClientSampleId :
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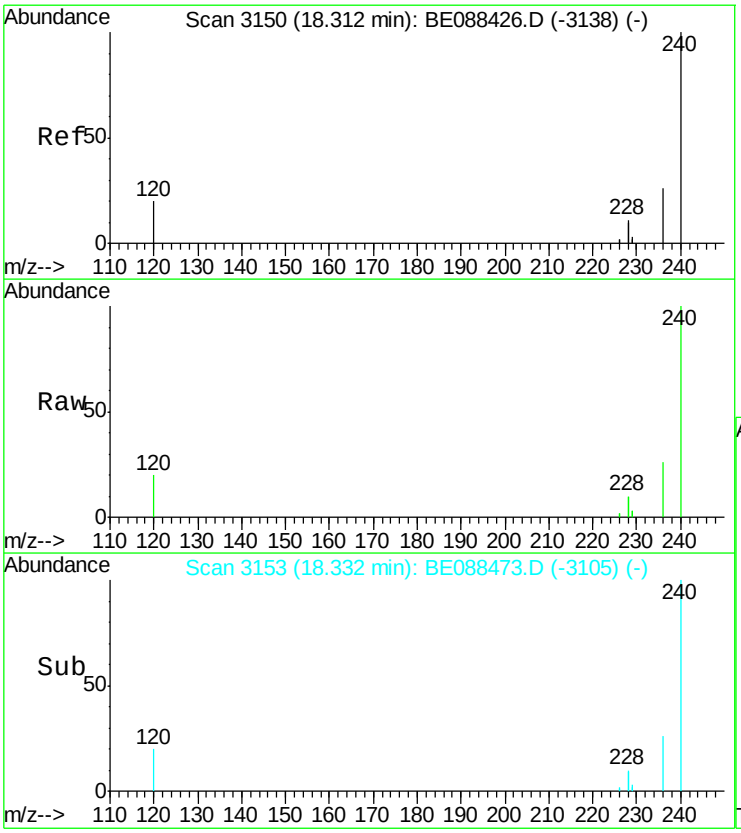
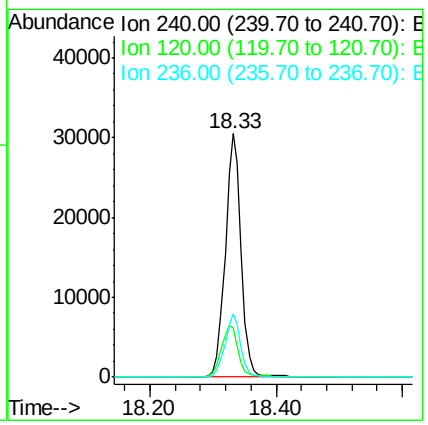
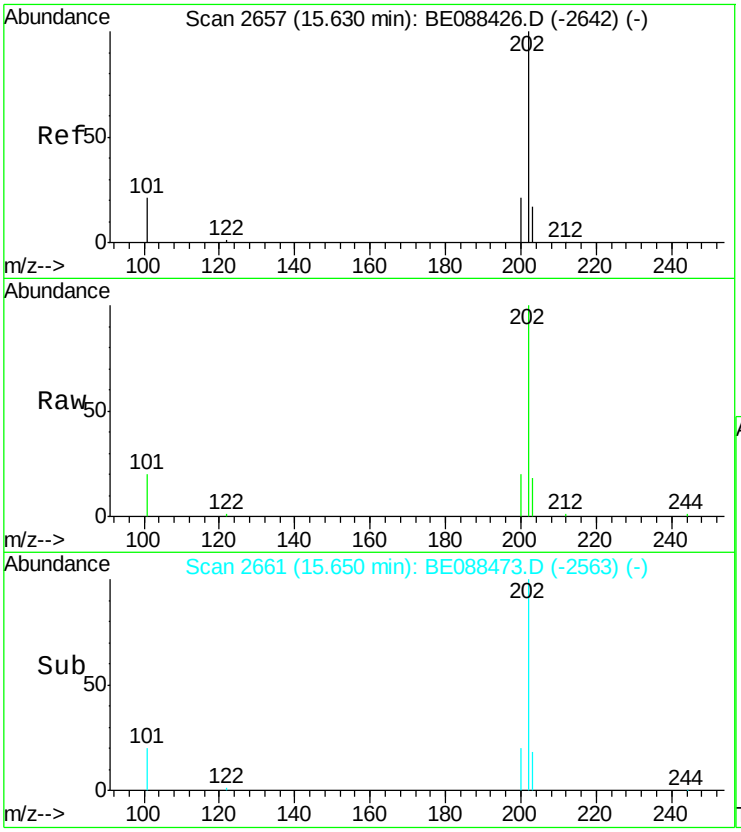


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.33 min Scan# 3153
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:240 Resp: 52493

Ion	Ratio	Lower	Upper
240	100		
120	20.0	16.4	24.6
236	25.7	20.5	30.7





#17
Pyrene
Concen: 0.90 ng
RT: 15.65 min Scan# 2661
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:202 Resp: 15423

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.4	13.8	20.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Manual Integrations APPROVED
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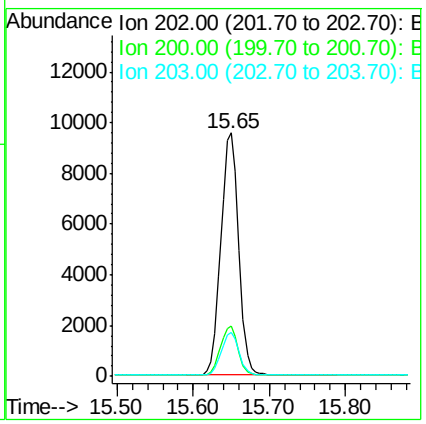
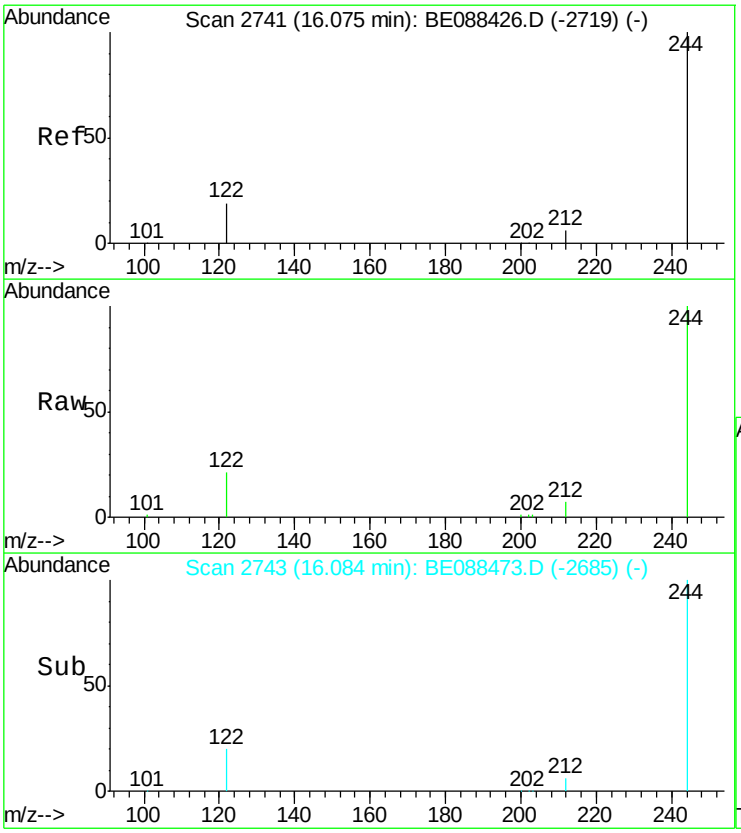
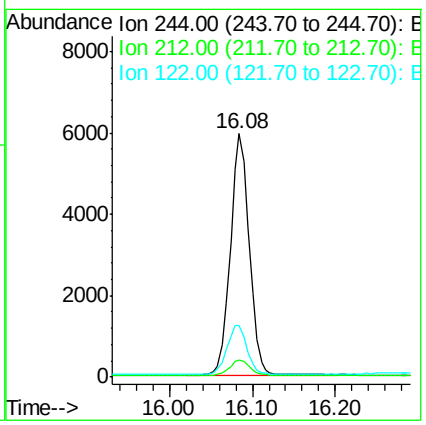


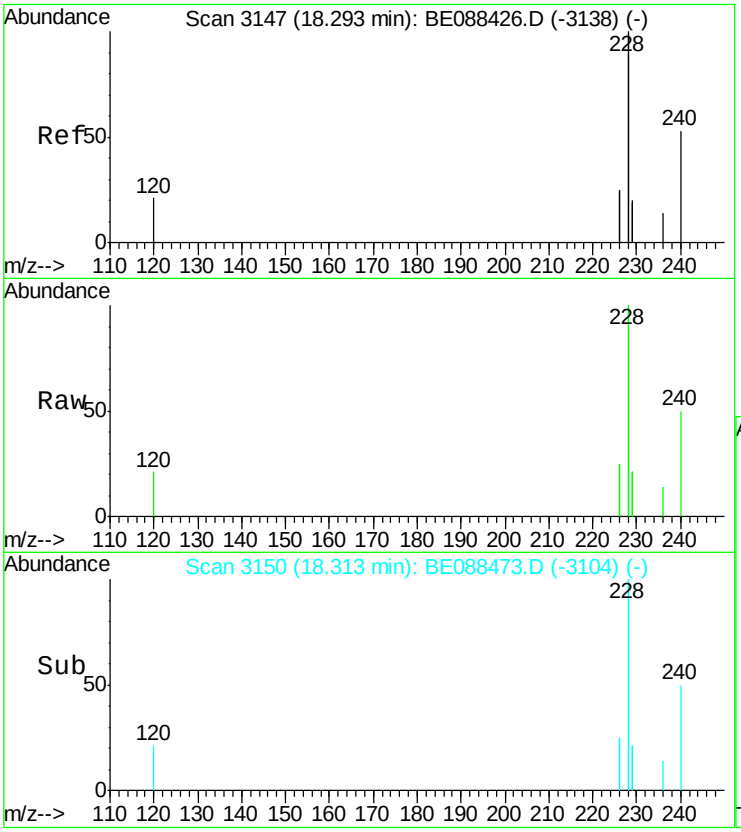


#18
Terphenyl-d14
Concen: 0.98 ng
RT: 16.08 min Scan# 2743
Delta R.T. 0.01 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:244 Resp: 9409

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	21.2	15.6	23.4

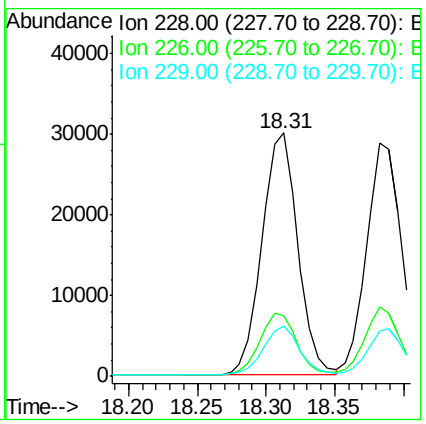




#19
Benzo(a)anthracene
Concen: 1.09 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:228 Resp: 53981

Ion	Ratio	Lower	Upper
228	100		
226	24.9	19.8	29.6
229	20.7	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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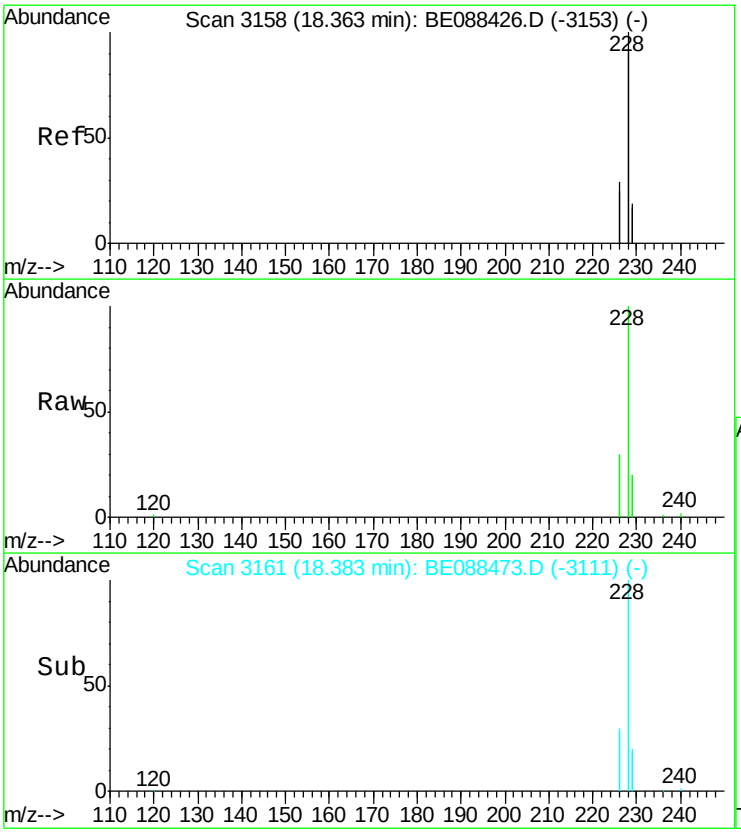
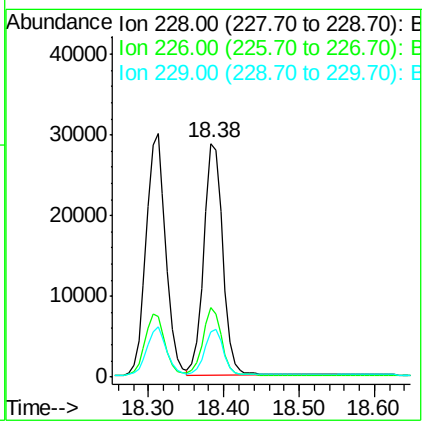
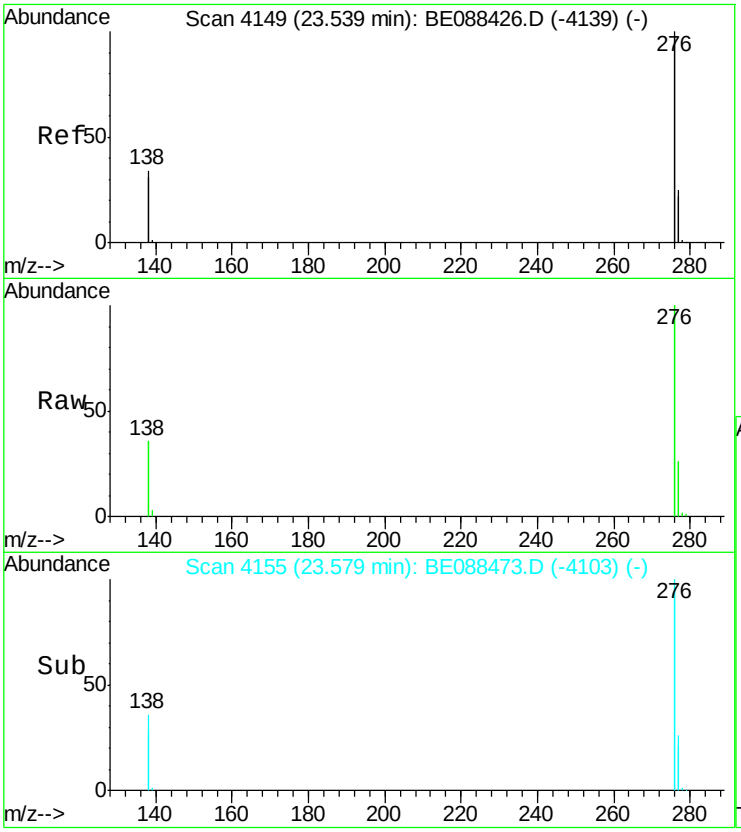


#20
Chrysene
Concen: 1.04 ng
RT: 18.38 min Scan# 3161
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:228 Resp: 50351

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.6	35.4
229	19.5	15.4	23.2





#21
Indeno(1,2,3-cd)pyrene
Concen: 1.35 ng m
RT: 23.58 min Scan# 4155
Delta R.T. 0.04 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:276 Resp: 60836

Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.2	30.2
277	18.6	14.8	22.2

Instrument :
BNA_E
ClientSampleId :
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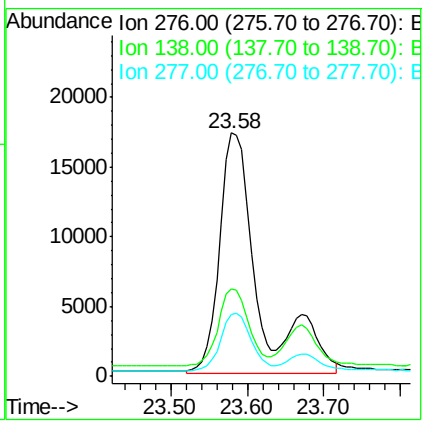
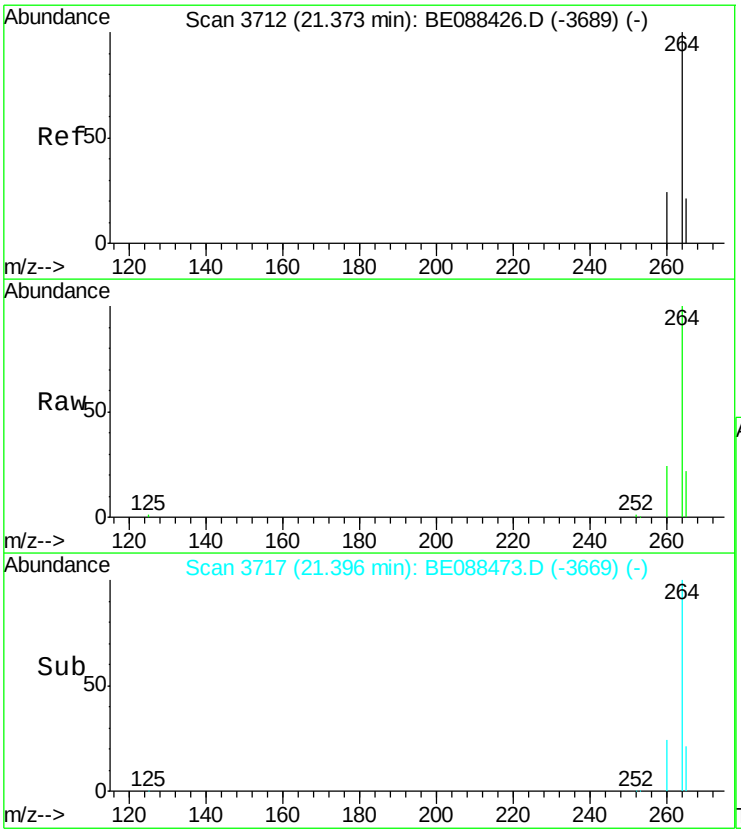
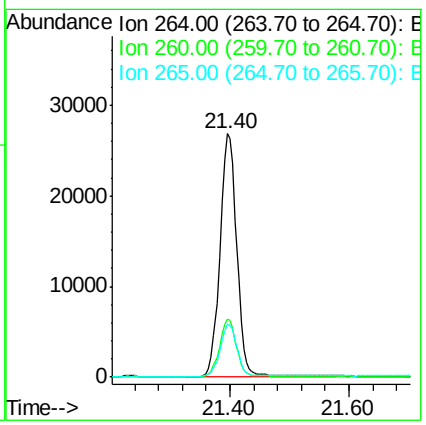


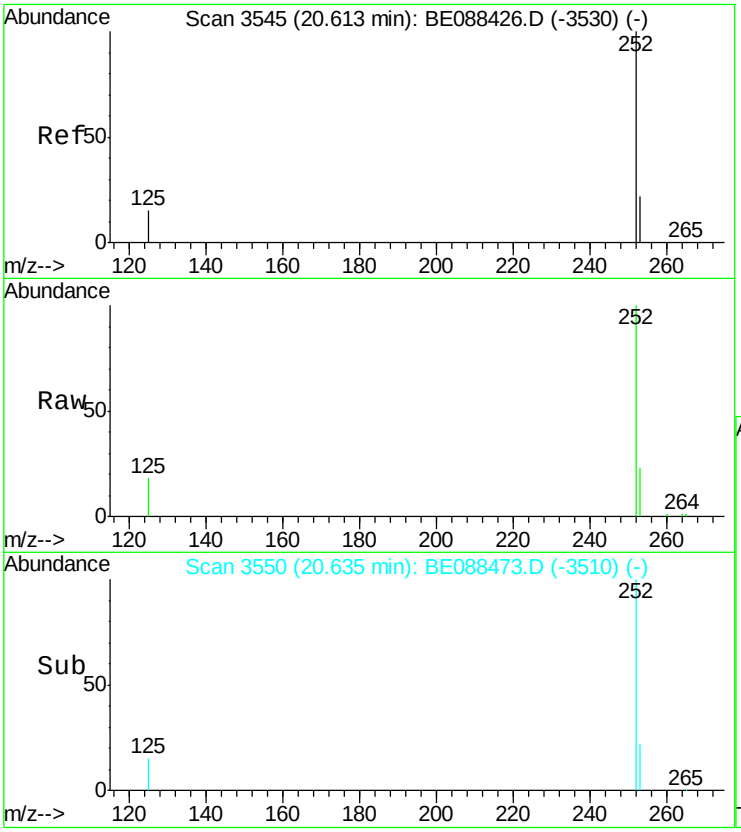


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:264 Resp: 52452

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.6	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 1.12 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:252 Resp: 12904

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	18.1	12.3	18.5

Instrument :
BNA_E
ClientSampleId :
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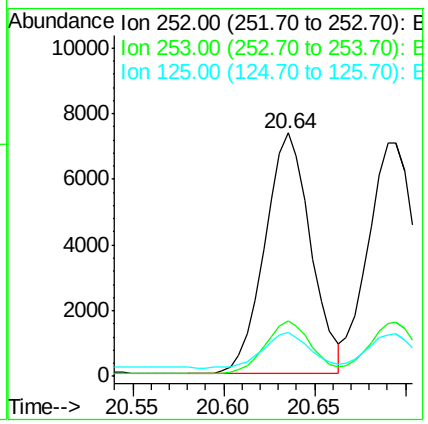
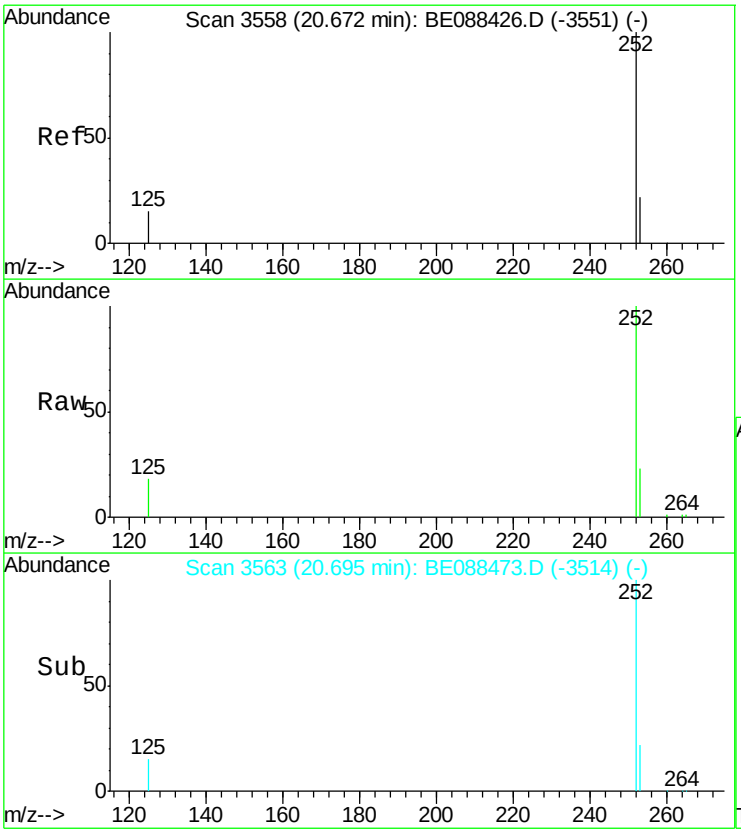
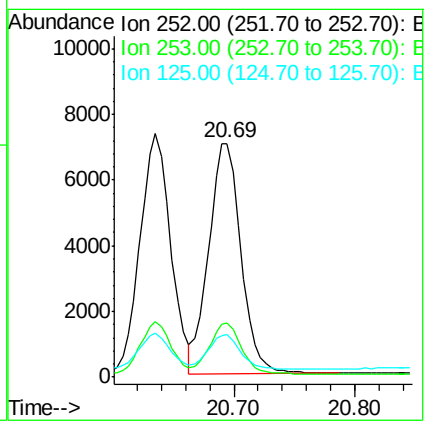


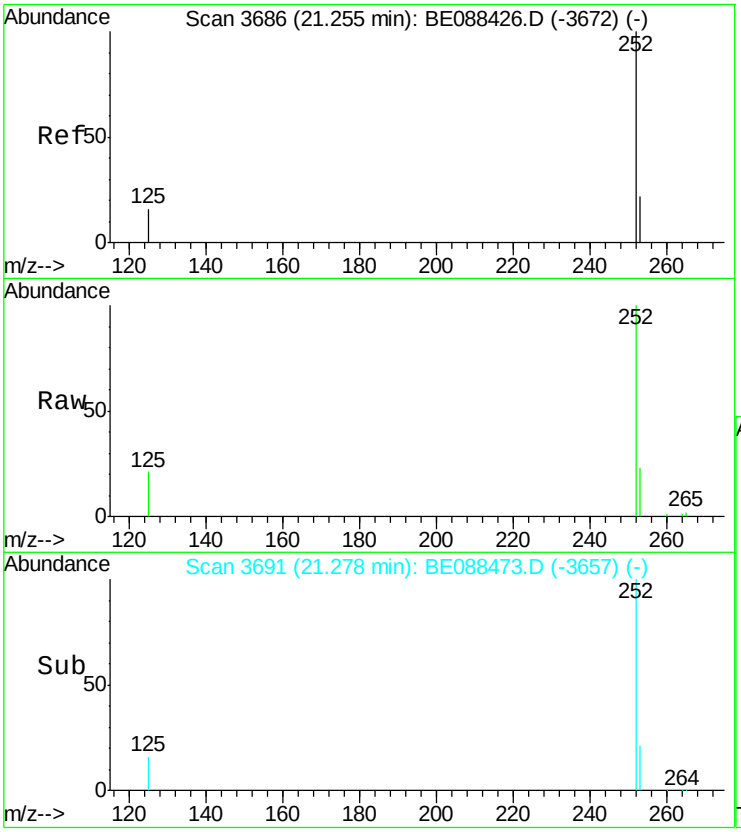


#24
Benzo(k)fluoranthene
Concen: 1.03 ng
RT: 20.69 min Scan# 3563
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:252 Resp: 13022

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	18.1	12.2	18.4

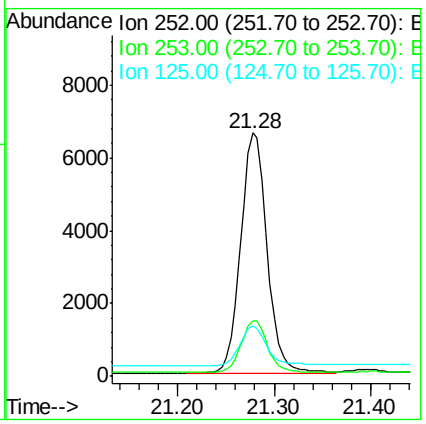




#25
Benzo(a)pyrene
Concen: 1.14 ng
RT: 21.28 min Scan# 3691
Delta R.T. 0.02 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:252 Resp: 12548

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	20.5	13.7	20.5



Instrument :
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ClientSampleId :
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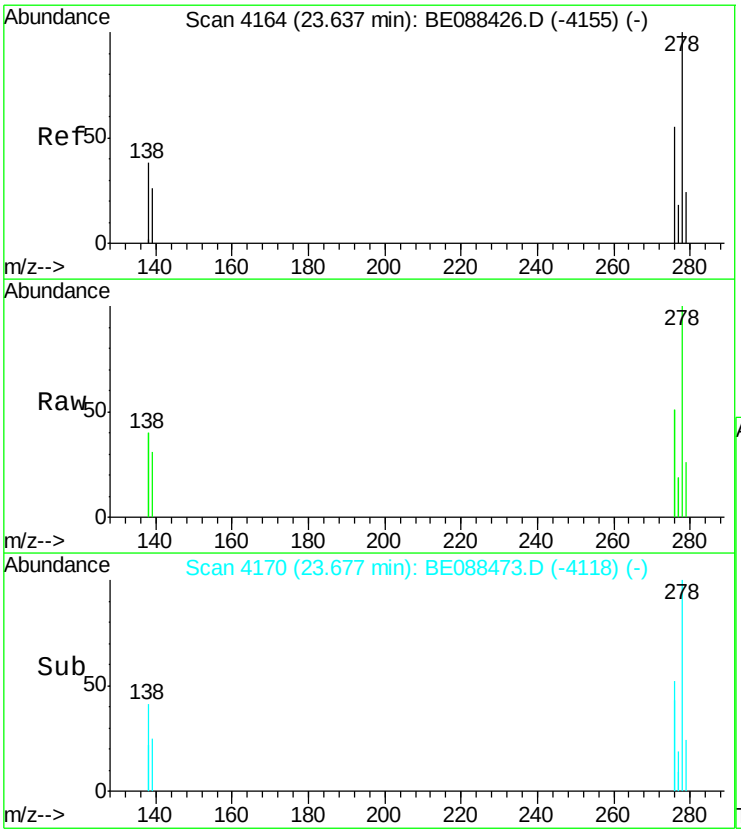
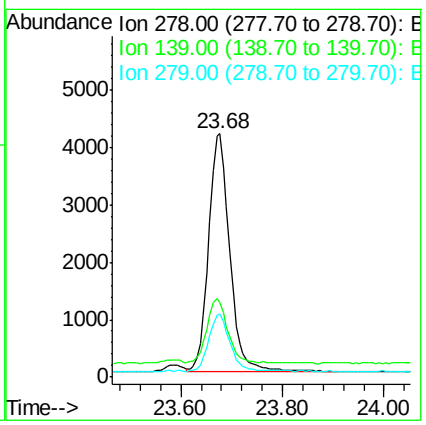
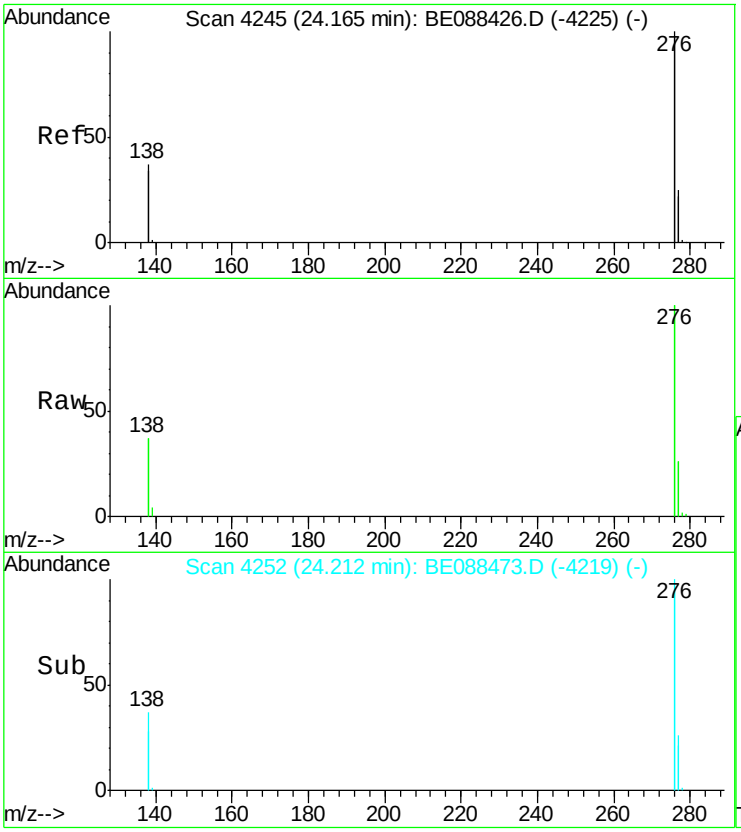


#26
Dibenzo(a,h)anthracene
Concen: 1.16 ng
RT: 23.68 min Scan# 4170
Delta R.T. 0.04 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:278 Resp: 11940

Ion	Ratio	Lower	Upper
278	100		
139	30.5	22.1	33.1
279	25.7	19.7	29.5

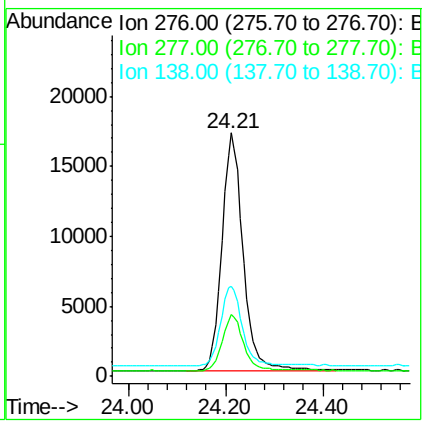




#27
Benzo(g,h,i)perylene
Concen: 1.11 ng
RT: 24.21 min Scan# 4252
Delta R.T. 0.05 min
Lab File: BE088473.D
Acq: 2 Nov 2014 3:40

Tgt Ion:276 Resp: 52225

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.6
138	37.1	29.3	43.9



Instrument :
BNA_E
ClientSampleId :
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