Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
Data File : BE089678.D
Acq On : 24 Feb 2015 19:35
Operator : TP/JJ
Sample : MDL-04-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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Quant Time: Feb 25 04:29:56 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 25 04:05:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	56180	5.00	ng		0.00
4) Naphthalene-d8	12.24	136	238415	5.00	ng		0.00
8) Acenaphthene-d10	16.42	164	109029	5.00	ng		0.00
13) Phenanthrene-d10	19.77	188	200048	5.00	ng		0.00
19) Chrysene-d12	23.66	240	151017	5.00	ng		0.00
25) Perylene-d12	25.34	264	115041	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	10.60	82	127746	9.02	ng		0.00
9) 2-Fluorobiphenyl	14.88	172	227682	9.39	ng		0.00
21) Terphenyl-d14	22.30	244	212289	11.98	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.72	88	986	0.14	ng	#	82
3) n-Nitrosodimethylamine	3.48	42	1253	0.21	ng	#	89
6) Naphthalene	12.29	128	7443	0.16	ng		98
7) 2-Methylnaphthalene	13.95	142	3887	0.15	ng		98
10) Acenaphthylene	16.07	152	21299	0.14	ng		100
11) Acenaphthene	16.49	154	3840	0.15	ng		98
12) Fluorene	17.74	166	4294	0.16	ng		99
14) Hexachlorobenzene	18.99	284	838	0.16	ng		99
15) Pentachlorophenol	19.43	266	57	0.32	ng	#	73
16) Phenanthrene	19.81	178	6798	0.16	ng		98
17) Anthracene	19.91	178	5142	0.14	ng		99
18) Fluoranthene	21.72	202	5114	0.14	ng		98
20) Pyrene	22.04	202	5530	0.15	ng		99
22) Benzo(a)anthracene	23.64	228	17769	0.18	ng		98
23) Chrysene	23.68	228	23022	0.17	ng		97
24) Indeno(1,2,3-cd)pyrene	26.73	276	3767	0.31	ng	#	54
26) Benzo(b)fluoranthene	24.90	252	899m	0.37	ng		
27) Benzo(k)fluoranthene	24.94	252	2790m	0.23	ng		
28) Benzo(a)pyrene	25.27	252	1072	0.16	ng	#	91
29) Dibenzo(a,h)anthracene	26.77	278	646	0.36	ng	#	86
30) Benzo(g,h,i)perylene	27.15	276	5558	0.39	ng	#	91

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

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ClientSampleId :
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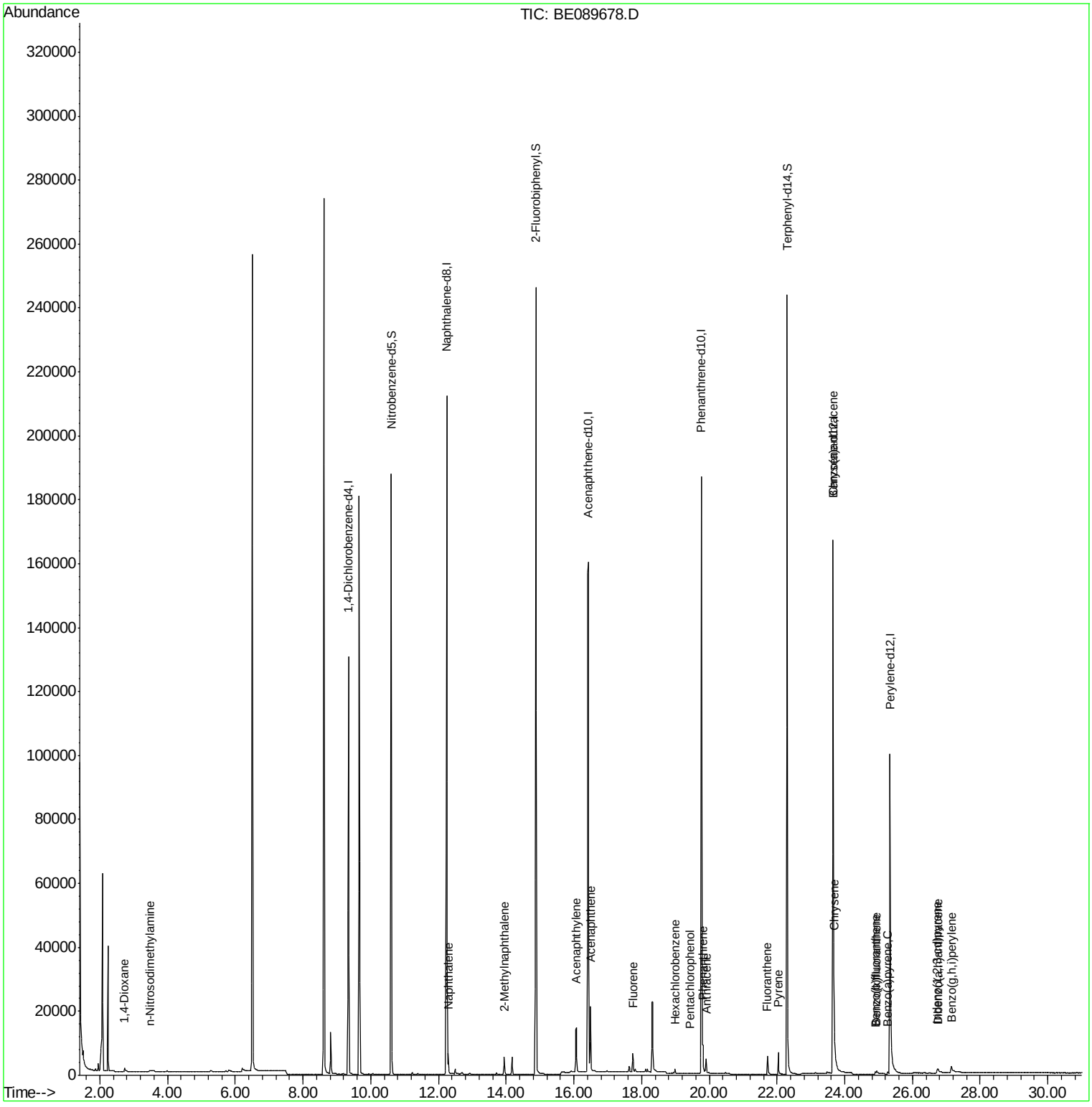
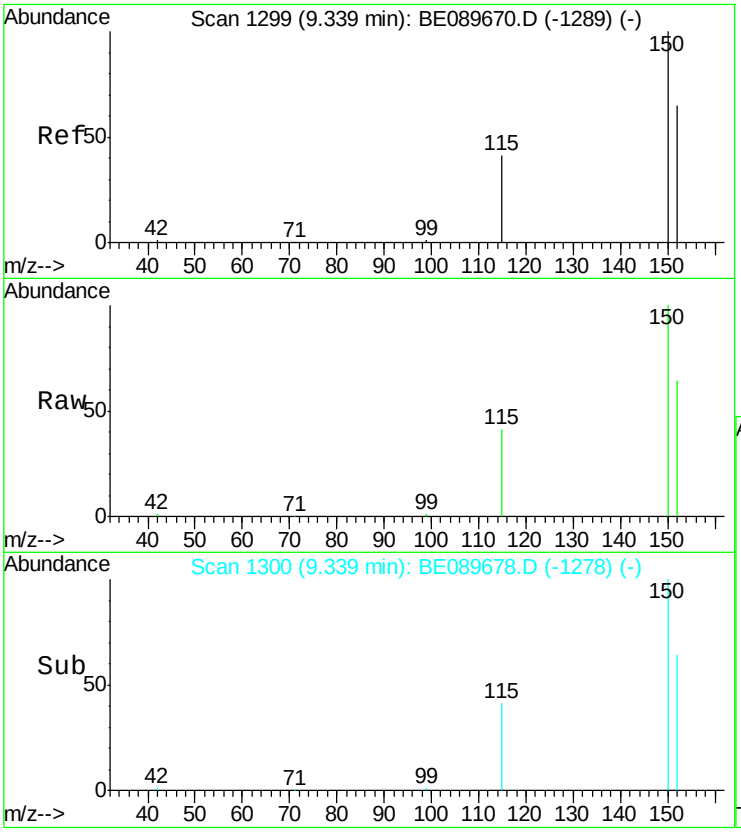
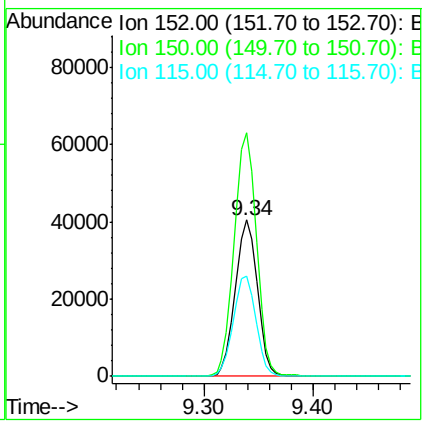




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:152 Resp: 56180

Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.4	185.0
115	64.3	50.8	76.2



Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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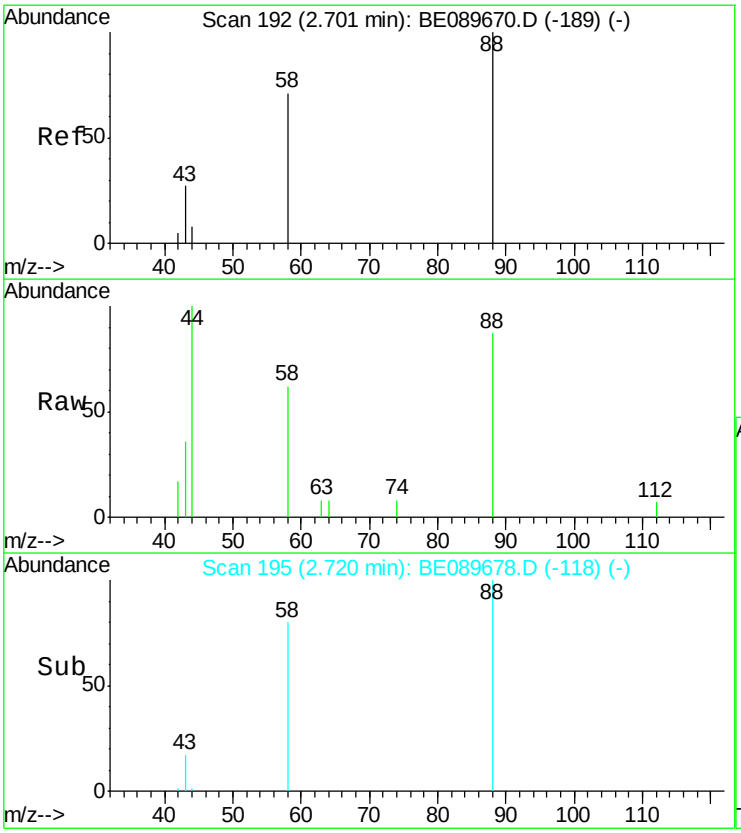
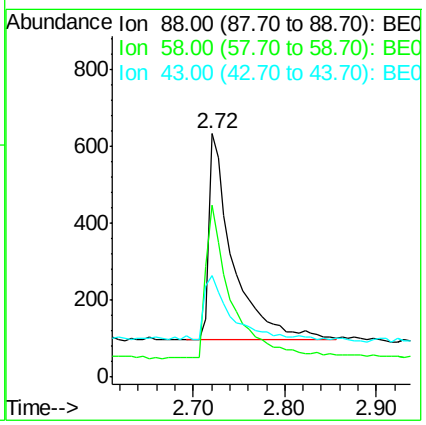
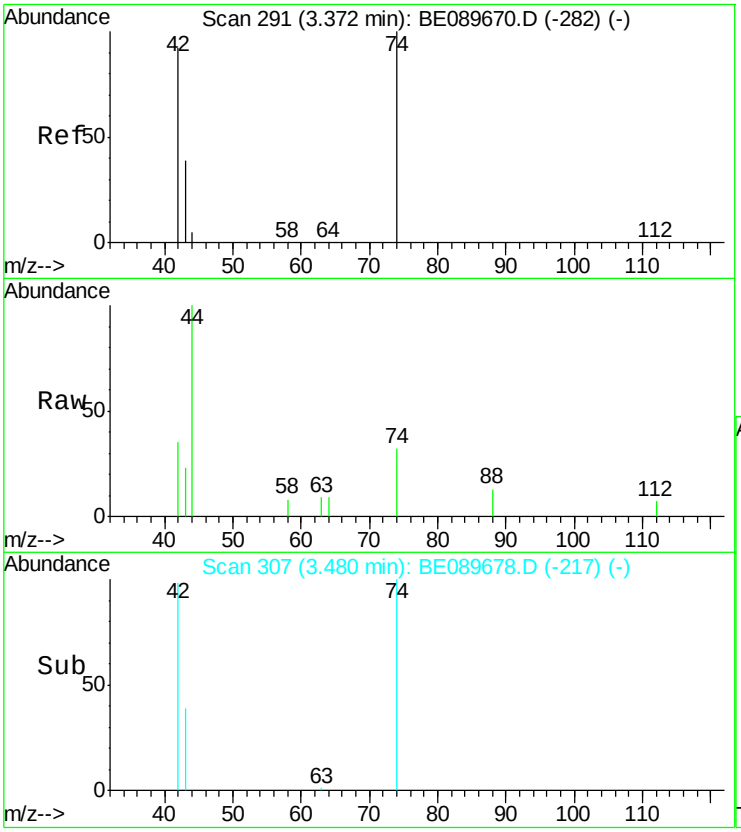


#2
1,4-Dioxane
Concen: 0.14 ng
RT: 2.72 min Scan# 195
Delta R.T. 0.02 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion: 88 Resp: 986

Ion	Ratio	Lower	Upper
88	100		
58	78.2	62.4	93.6
43	0.0	26.6	40.0#





#3
n-Nitrosodimethylamine
Concen: 0.21 ng
RT: 3.48 min Scan# 307
Delta R.T. 0.11 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion: 42 Resp: 1253

Ion	Ratio	Lower	Upper
42	100		
74	102.7	91.1	136.7
44	0.0	4.7	7.1#

Instrument :
BNA_E
ClientSampleId :
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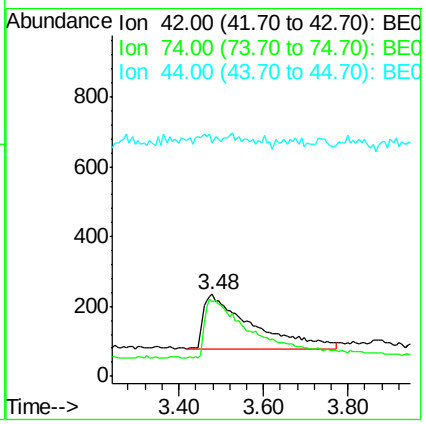
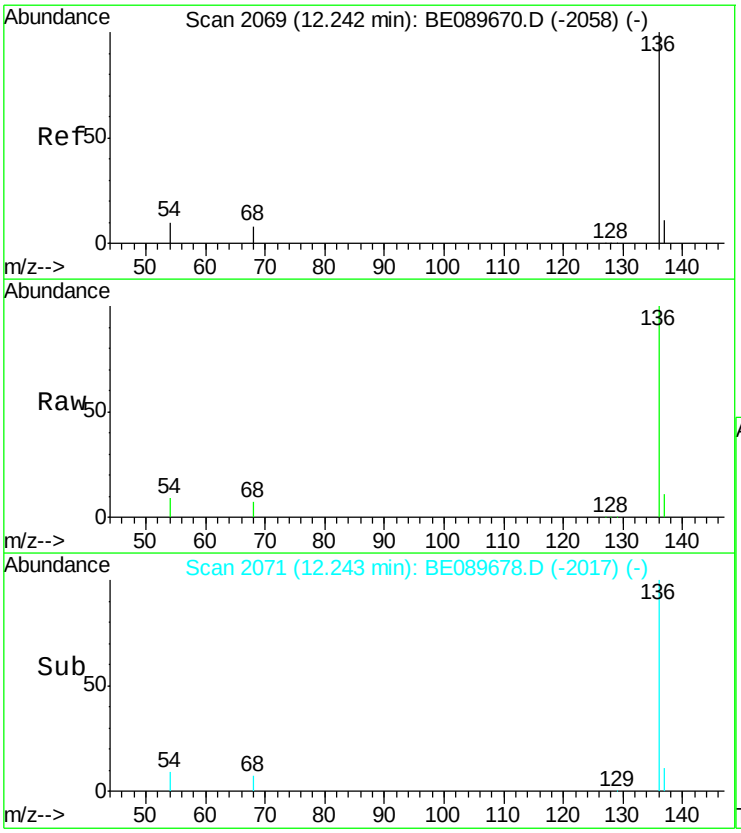
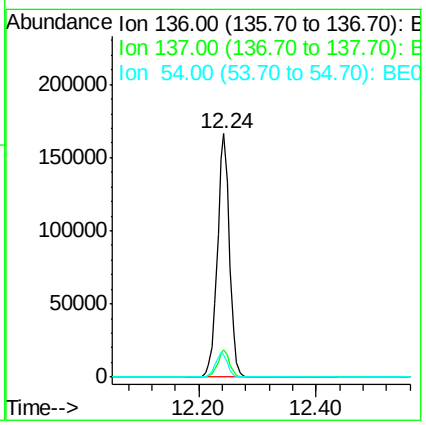


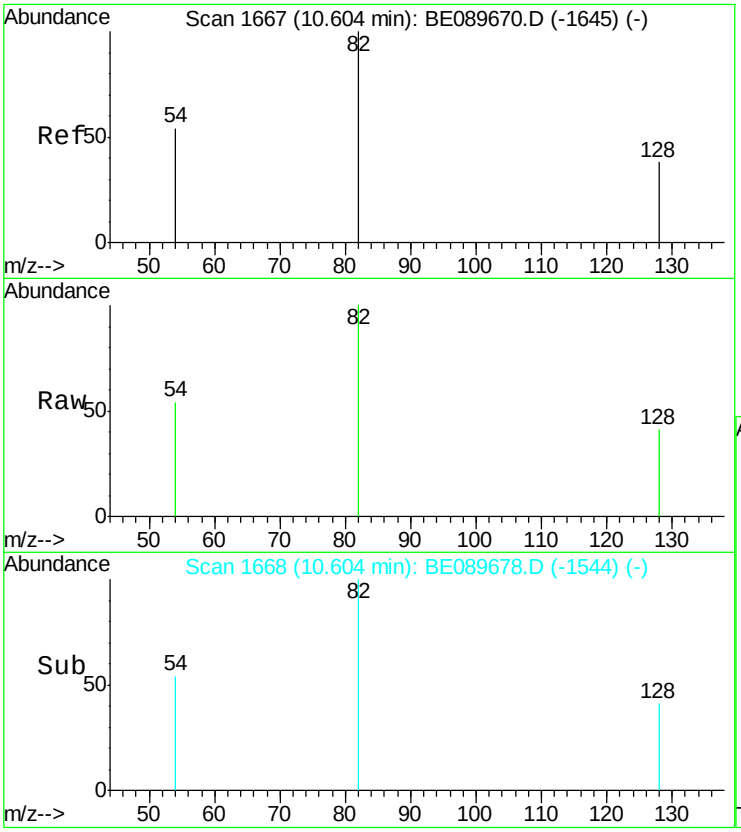


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2071
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:136 Resp: 238415

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.0	7.8	11.8

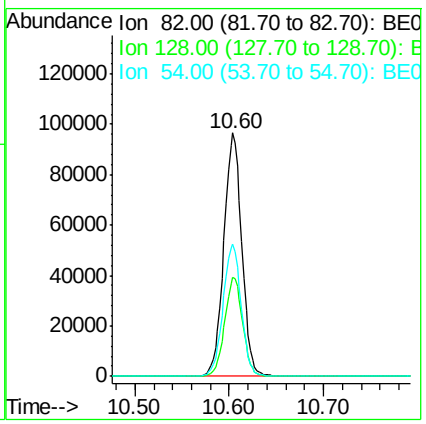




#5
Nitrobenzene-d5
Concen: 9.02 ng
RT: 10.60 min Scan# 1668
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion: 82 Resp: 127746

Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.6	46.0
54	54.2	43.6	65.4



Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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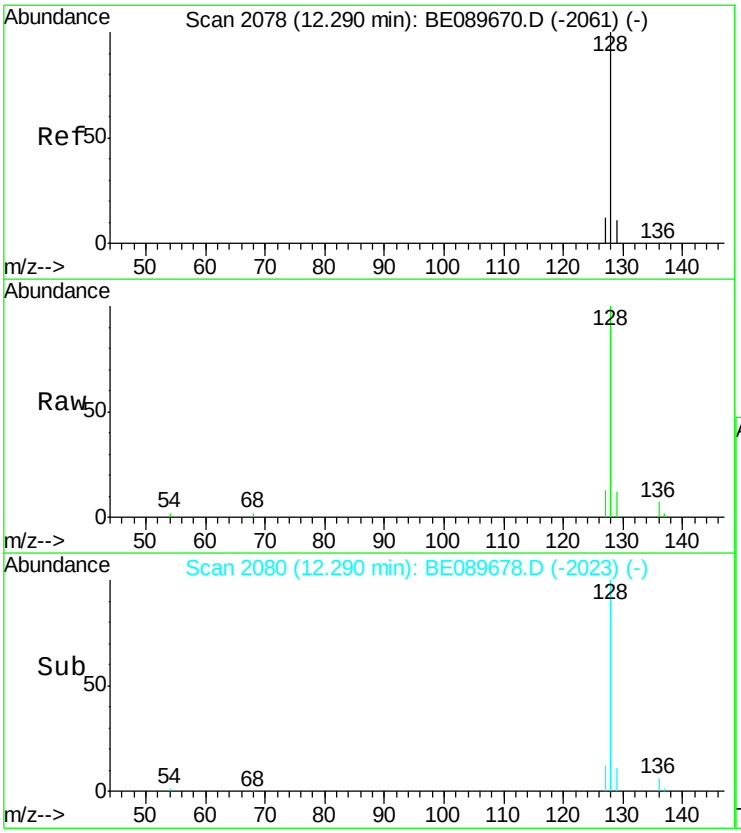
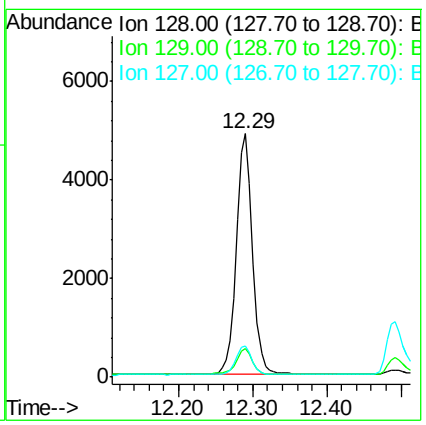
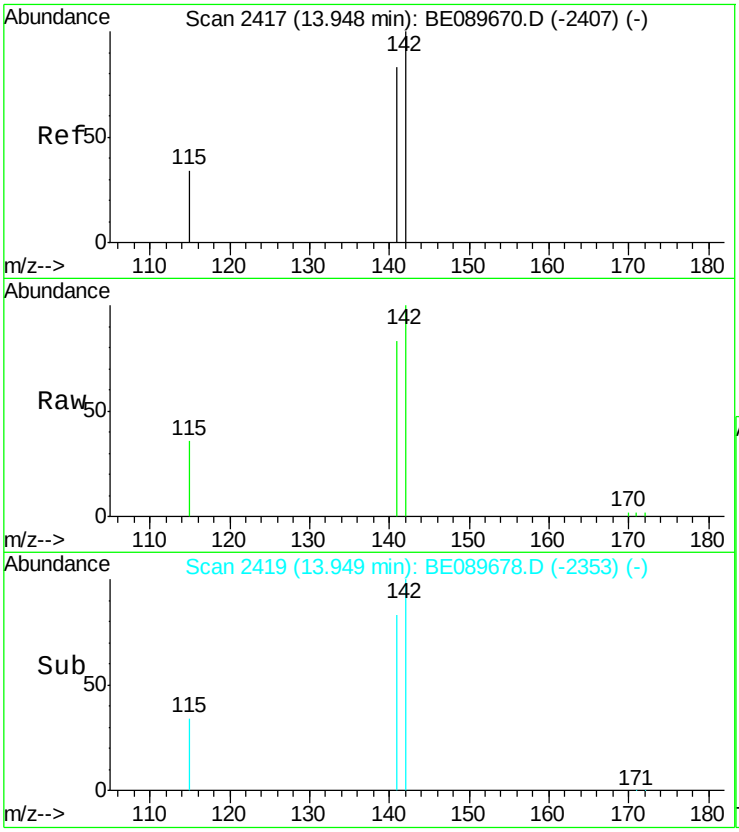


#6
Naphthalene
Concen: 0.16 ng
RT: 12.29 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:128 Resp: 7443

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.1	9.7	14.5

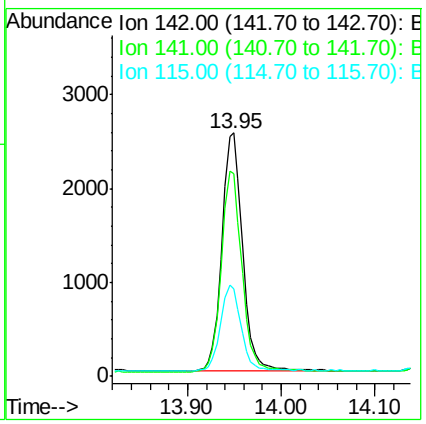




#7
2-Methylnaphthalene
Concen: 0.15 ng
RT: 13.95 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:142 Resp: 3887

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.0	99.0
115	35.8	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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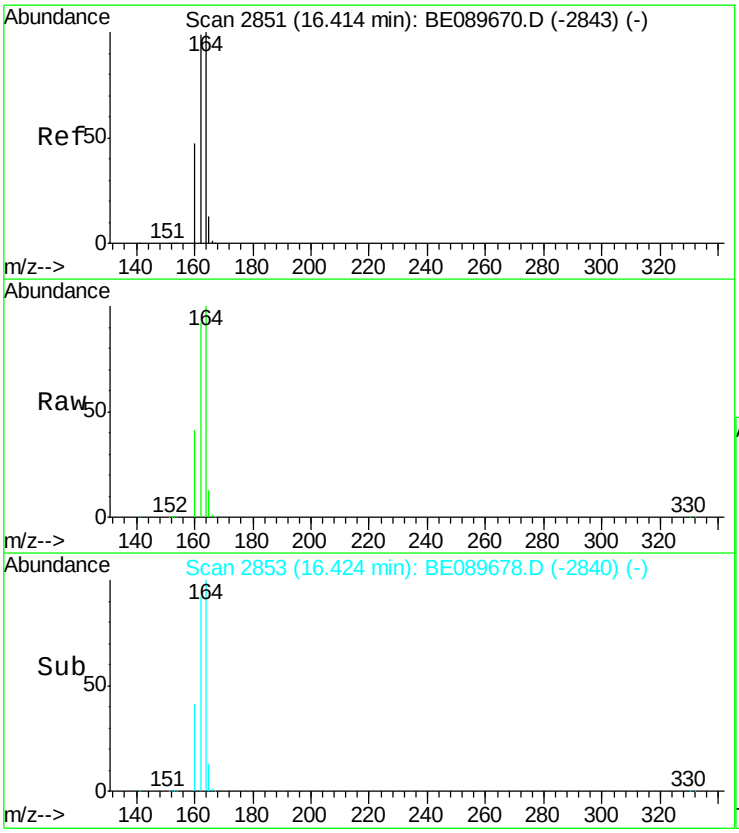
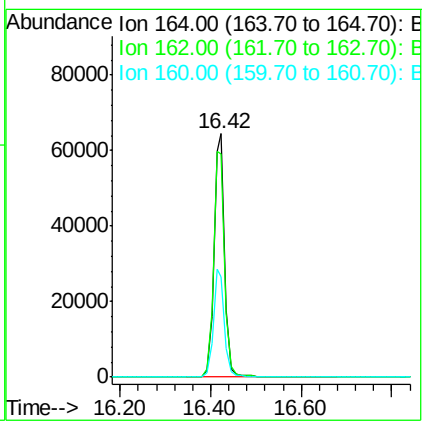
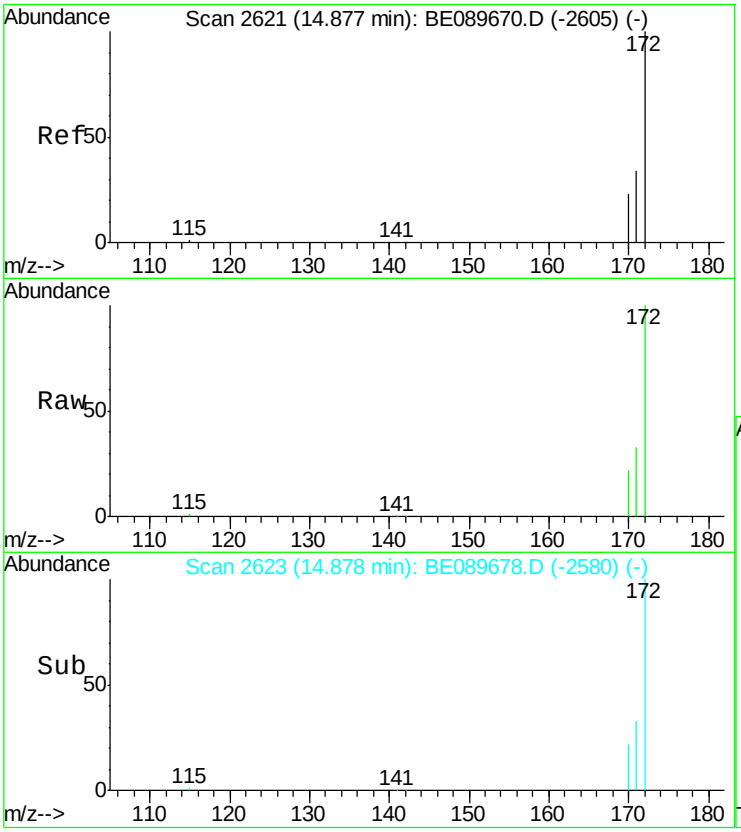


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:164 Resp: 109029

Ion	Ratio	Lower	Upper
164	100		
162	91.8	79.4	119.2
160	41.4	37.6	56.4

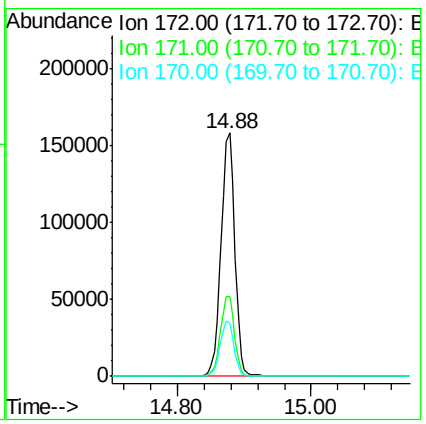




#9
2-Fluorobiphenyl
Concen: 9.39 ng
RT: 14.88 min Scan# 2623
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:172 Resp: 227682

Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.3	40.9
170	21.9	18.5	27.7



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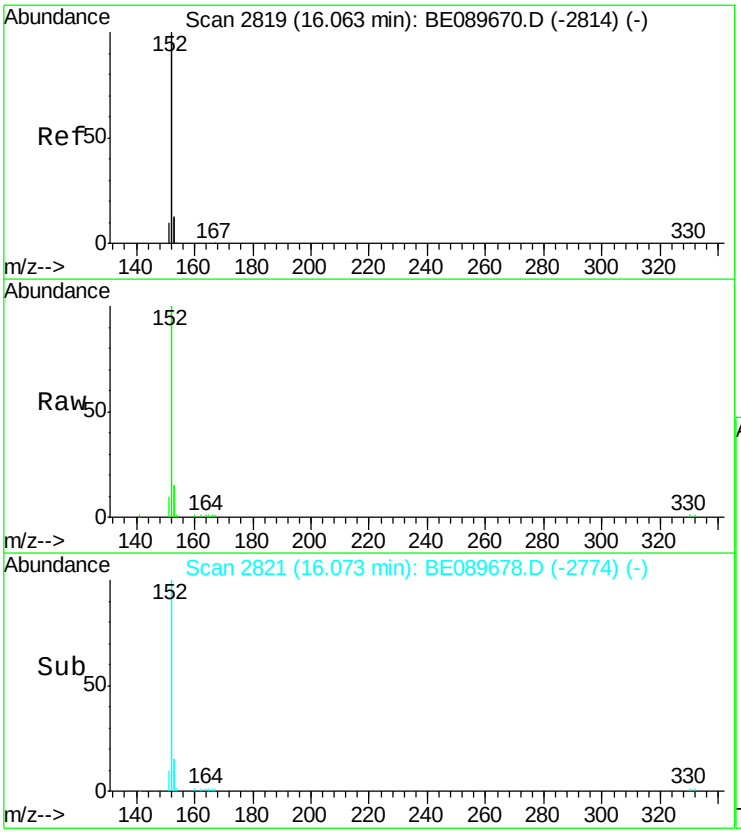
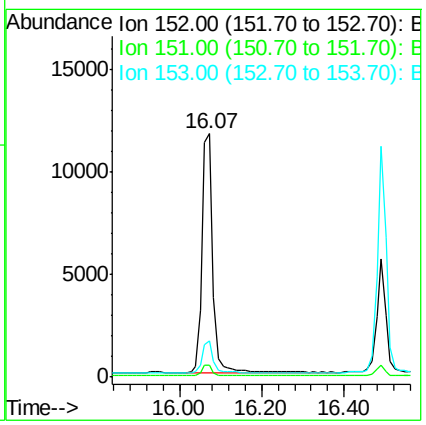
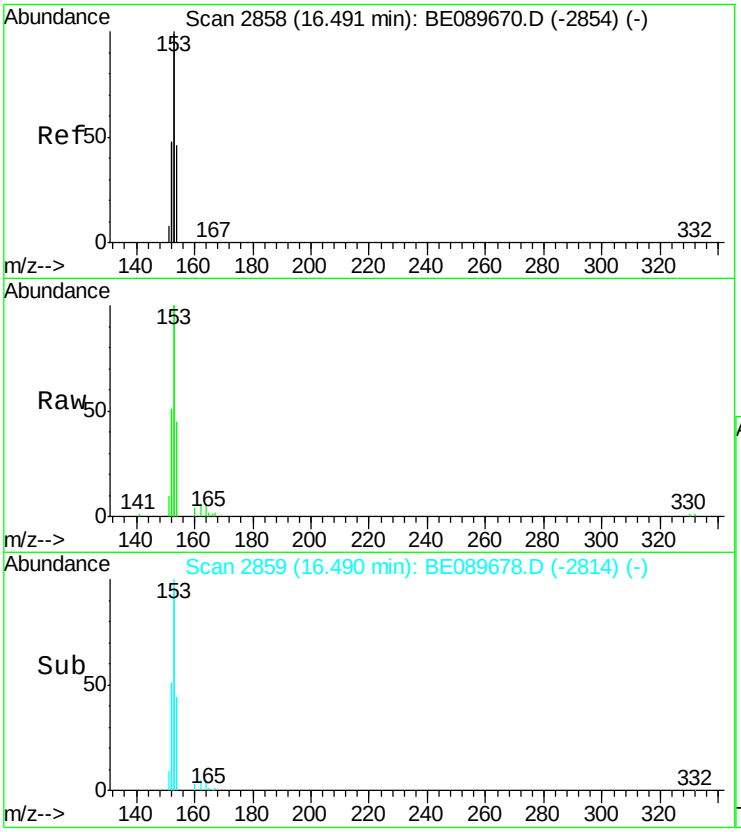


#10
Acenaphthylene
Concen: 0.14 ng
RT: 16.07 min Scan# 2821
Delta R.T. 0.01 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:152 Resp: 21299

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.6
153	12.9	10.4	15.6

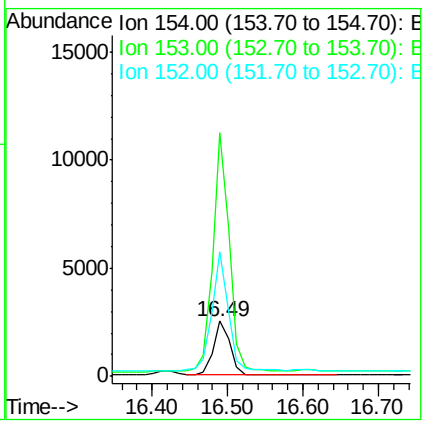




#11
Acenaphthene
Concen: 0.15 ng
RT: 16.49 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:154 Resp: 3840

Ion	Ratio	Lower	Upper
154	100		
153	433.4	345.8	518.8
152	219.9	168.6	252.8



Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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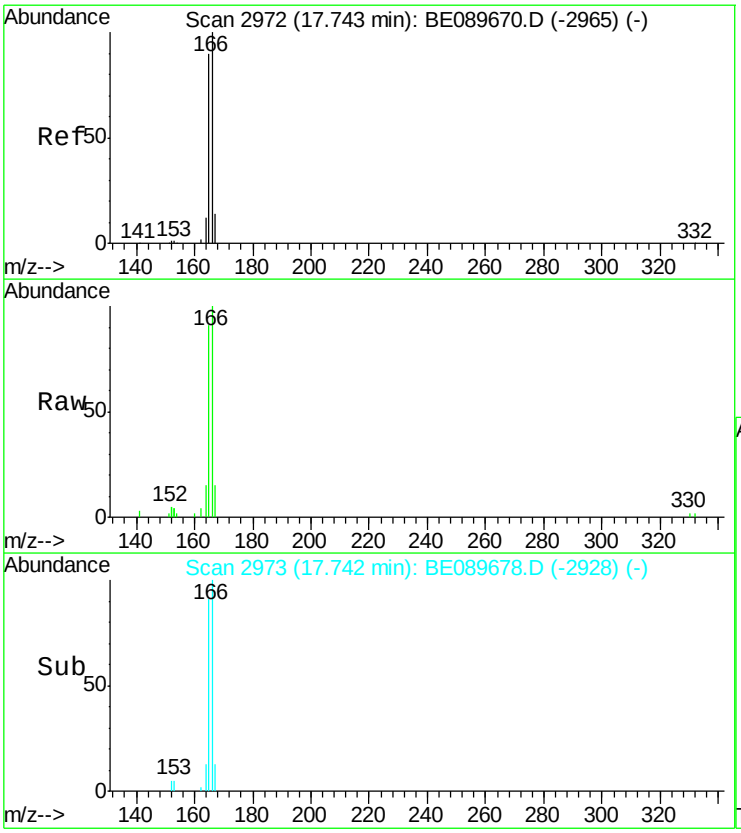
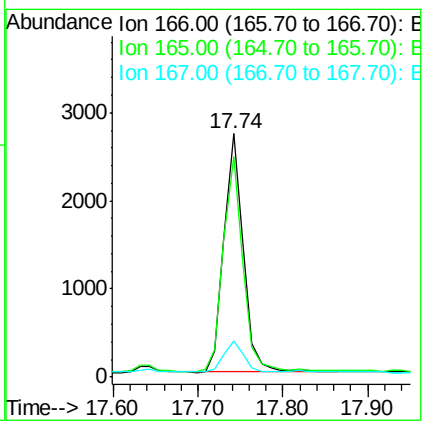
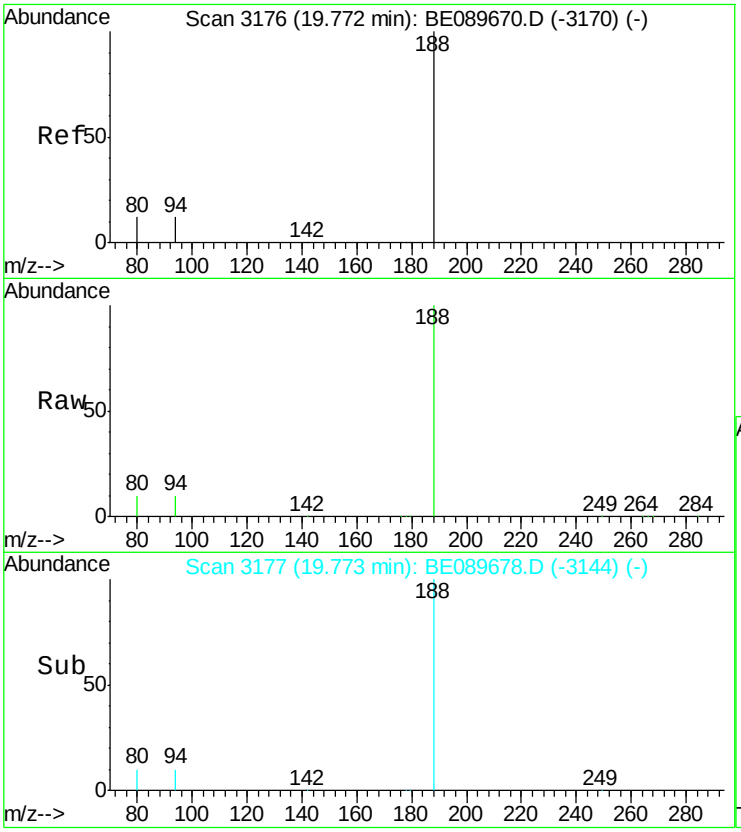


#12
Fluorene
Concen: 0.16 ng
RT: 17.74 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:166 Resp: 4294

Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.6	110.4
167	14.1	10.6	16.0





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:188 Resp: 200048

Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	10.4	9.5	14.3

Instrument :
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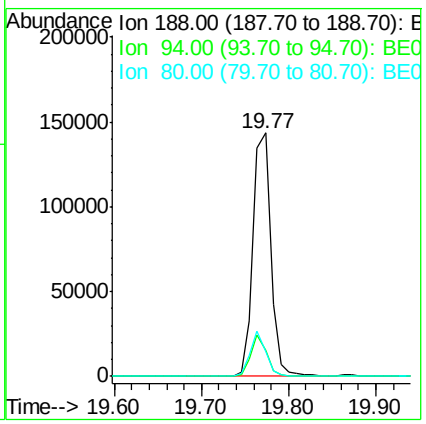
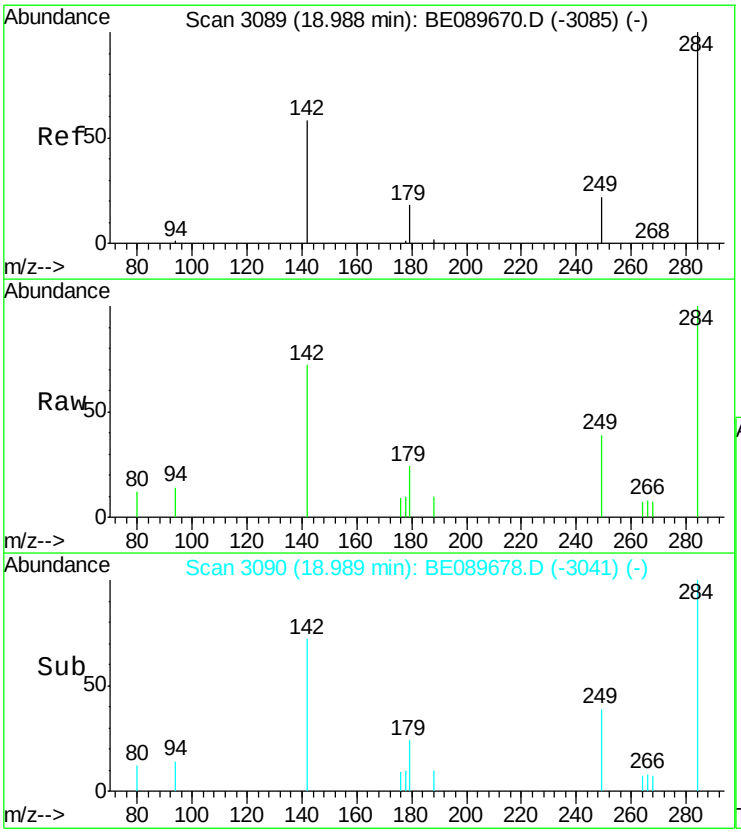
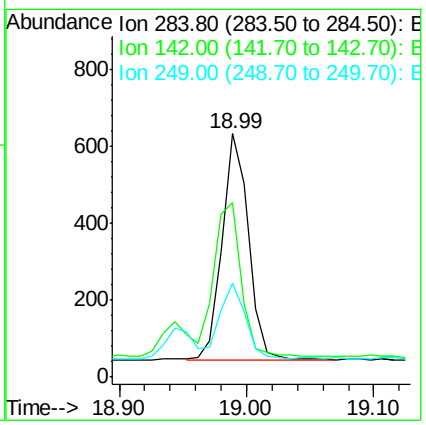


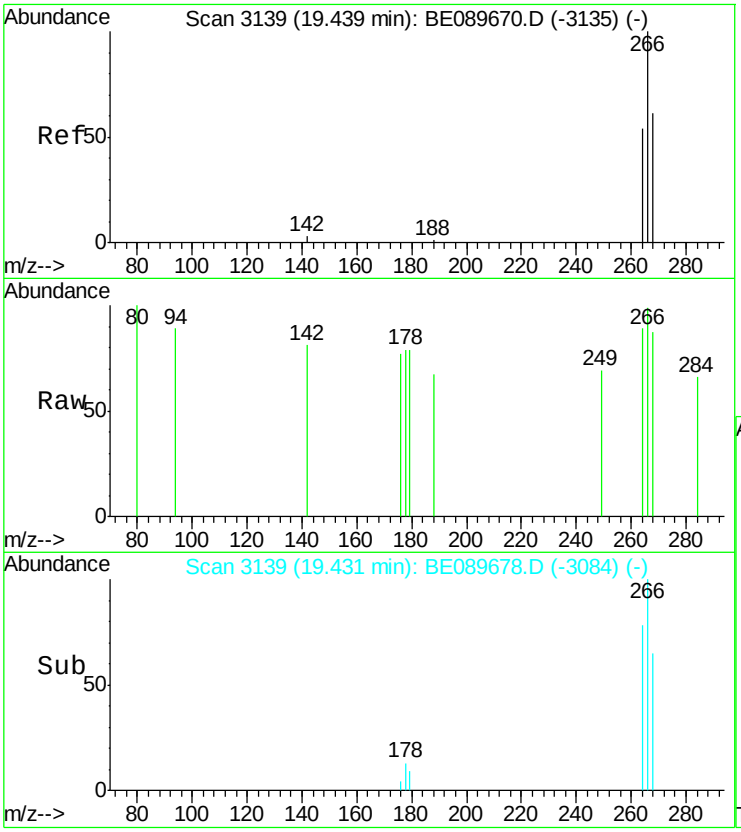


#14
Hexachlorobenzene
Concen: 0.16 ng
RT: 18.99 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:284 Resp: 838

Ion	Ratio	Lower	Upper
284	100		
142	70.0	55.4	83.2
249	32.6	27.2	40.8





#15
Pentachlorophenol
Concen: 0.32 ng
RT: 19.43 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:266 Resp: 57

Ion	Ratio	Lower	Upper
266	100		
268	88.4	56.3	84.5#
264	89.9	51.8	77.8#

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
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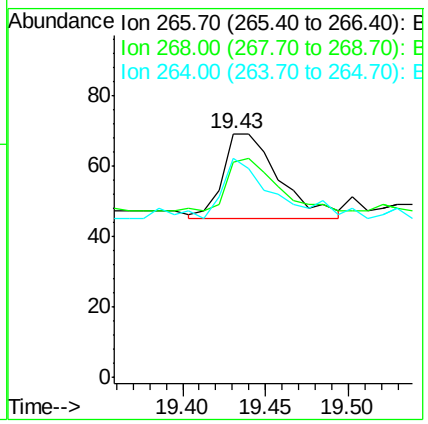
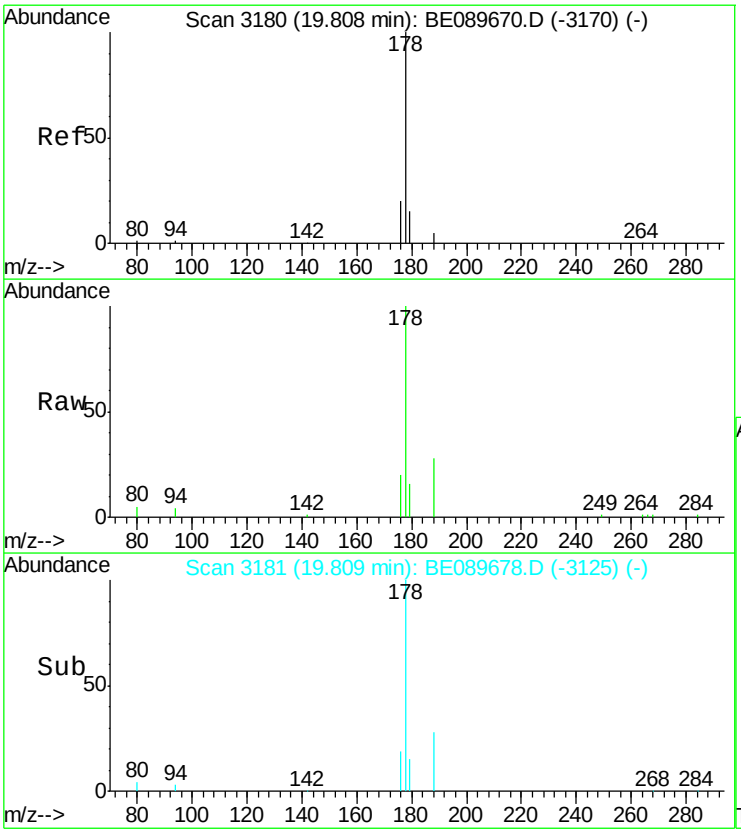
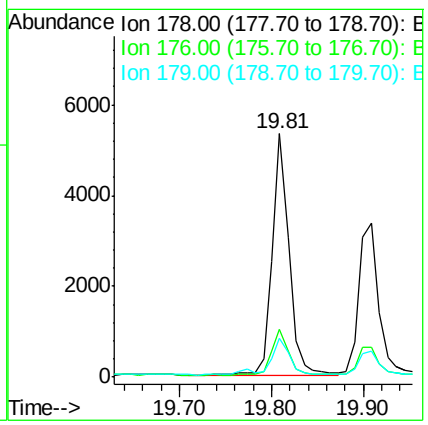


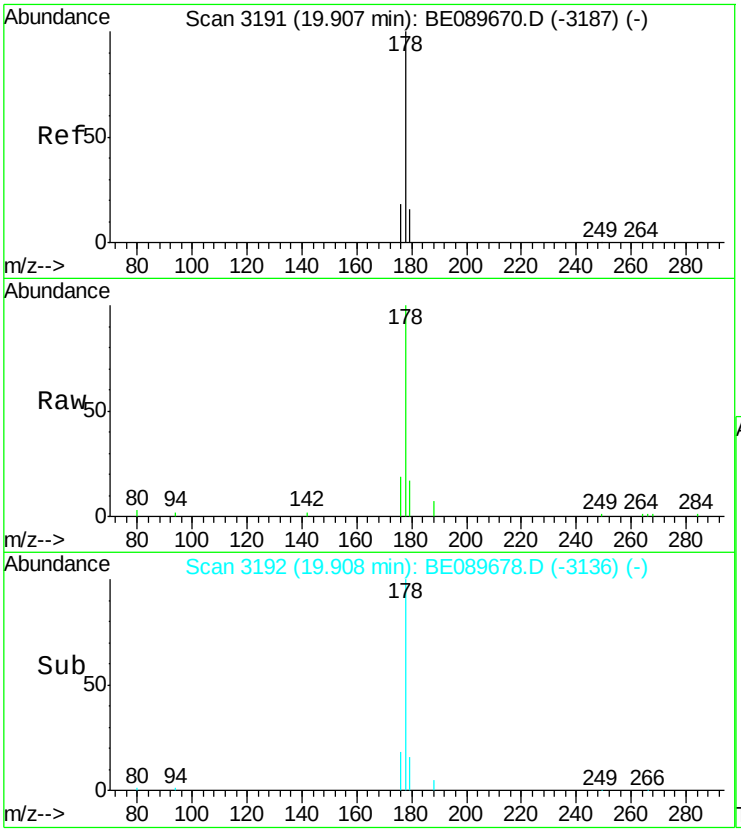


#16
Phenanthrene
Concen: 0.16 ng
RT: 19.81 min Scan# 3181
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:178 Resp: 6798

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	17.3	12.5	18.7

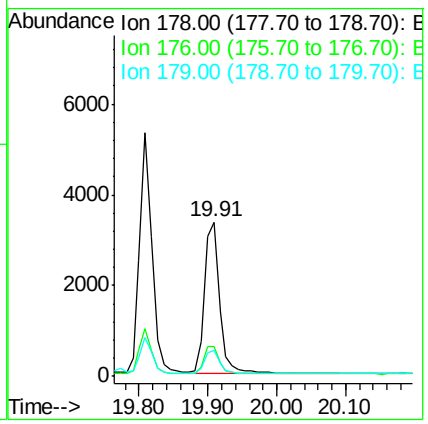




#17
Anthracene
Concen: 0.14 ng
RT: 19.91 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:178 Resp: 5142

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	16.0	12.2	18.2



Instrument :
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ClientSampleId :
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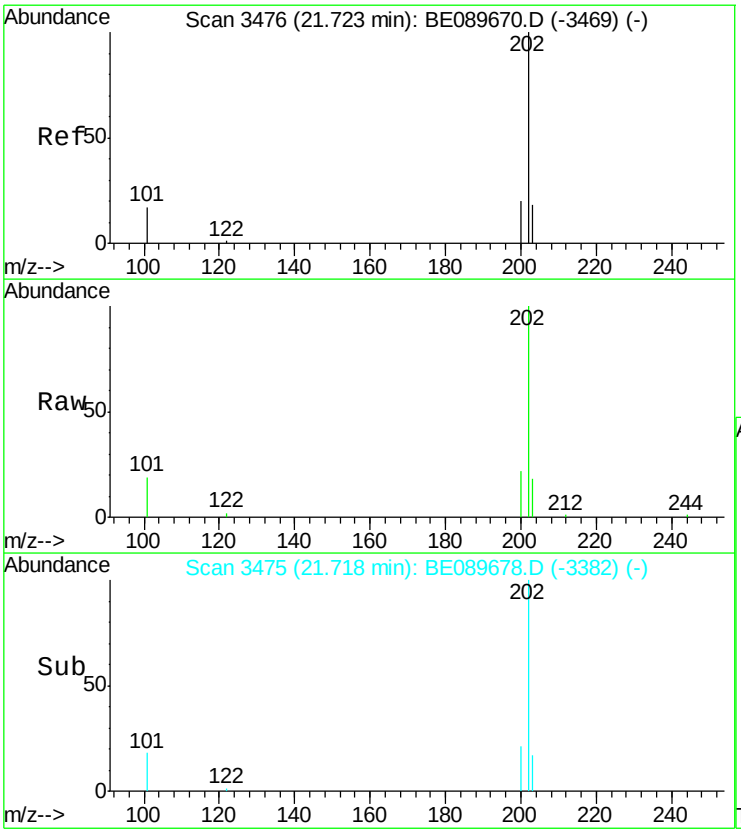
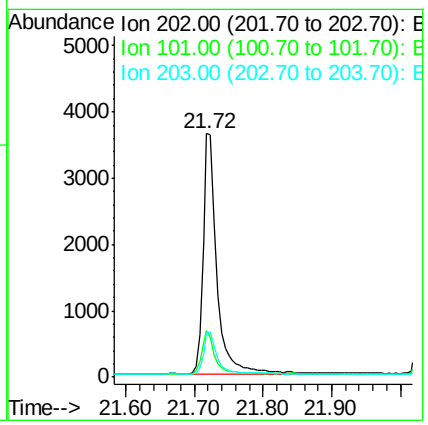
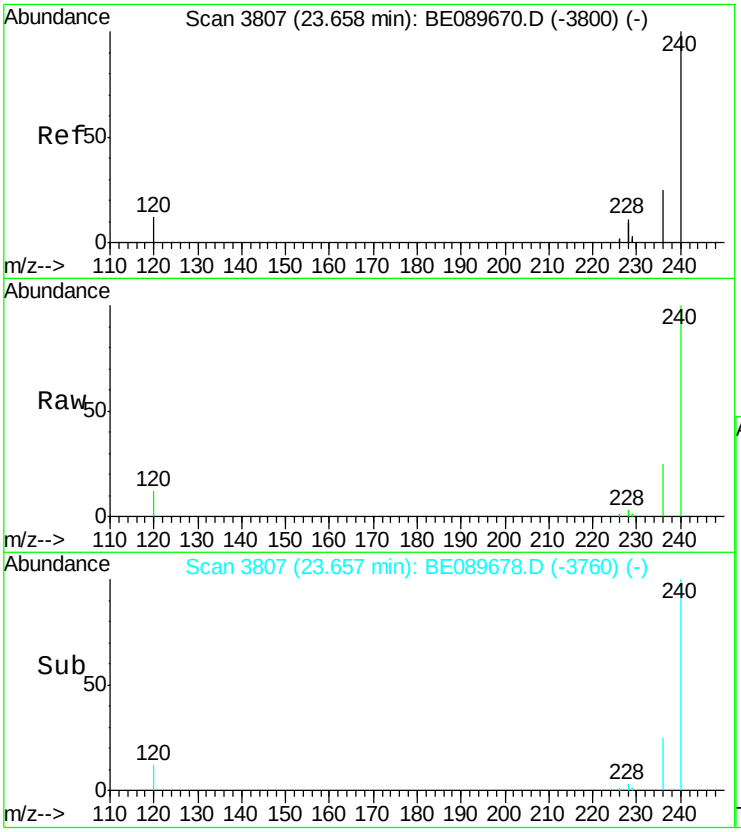


#18
Fluoranthene
Concen: 0.14 ng
RT: 21.72 min Scan# 3475
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:202 Resp: 5114

Ion	Ratio	Lower	Upper
202	100		
101	16.8	14.9	22.3
203	16.9	13.8	20.6





#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:240 Resp: 151017

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.0
236	25.3	19.9	29.9

Instrument :
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ClientSampleId :
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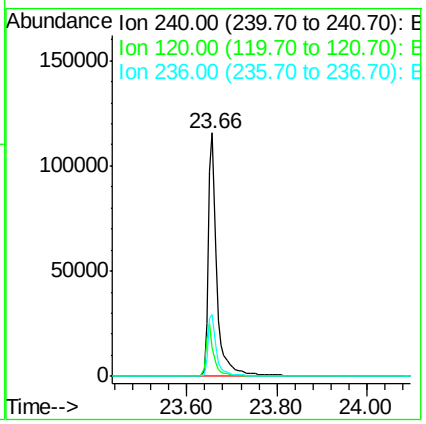
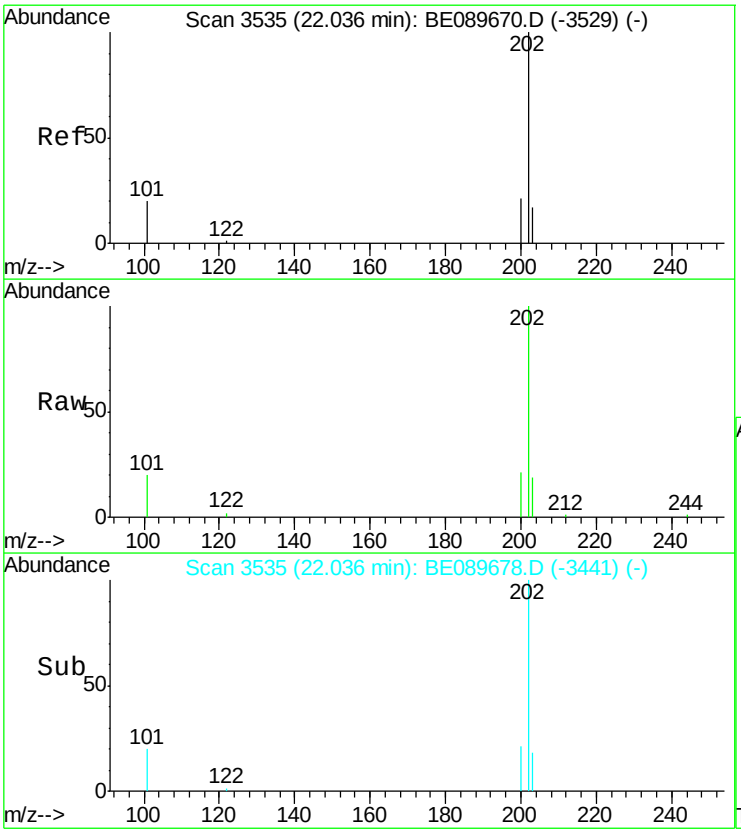
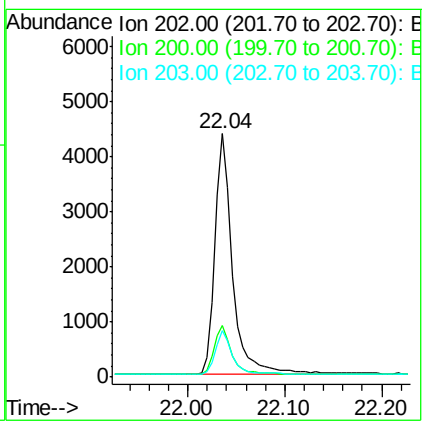


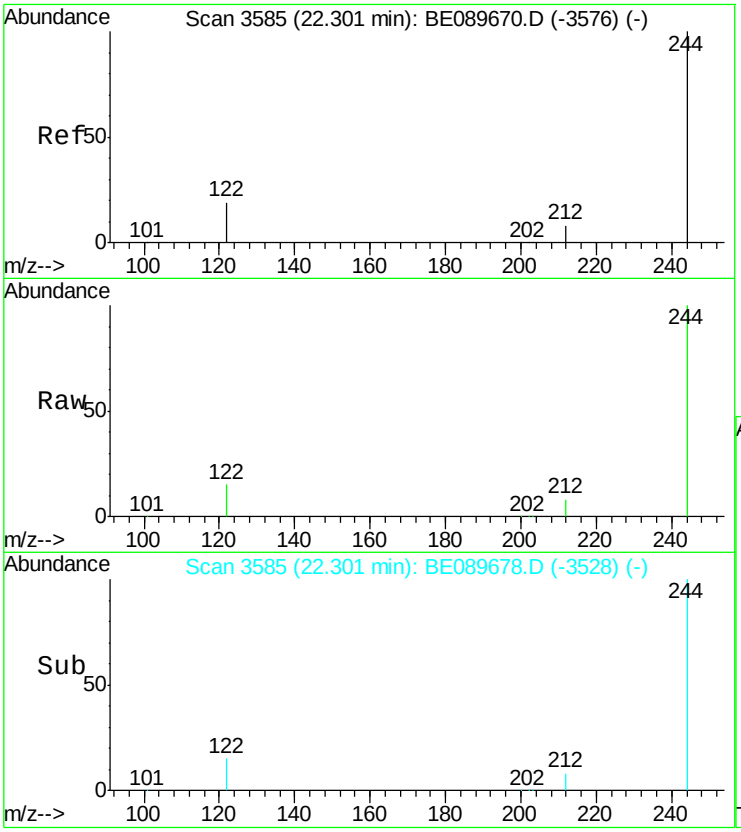


#20
Pyrene
Concen: 0.15 ng
RT: 22.04 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:202 Resp: 5530

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.8	13.9	20.9

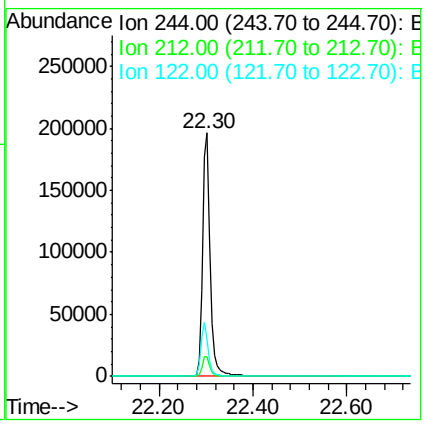




#21
Terphenyl-d14
Concen: 11.98 ng
RT: 22.30 min Scan# 3585
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:244 Resp: 212289

Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.0	10.6
122	15.5	15.4	23.0



Instrument :
BNA_E
ClientSampleId :
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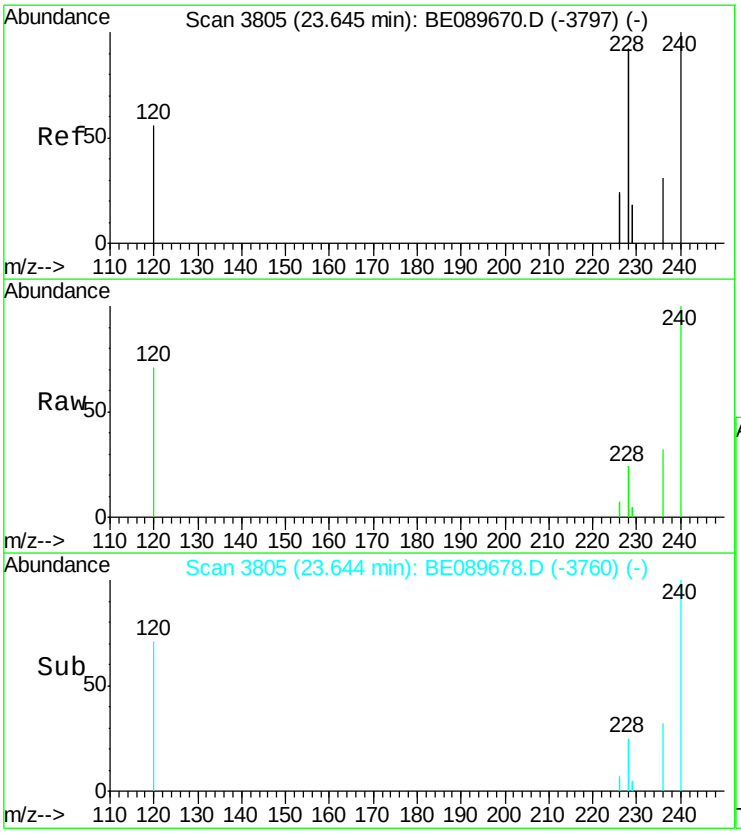
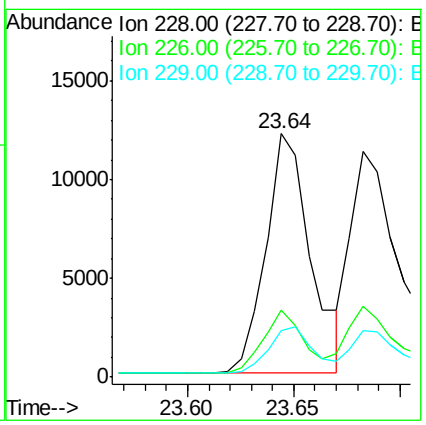
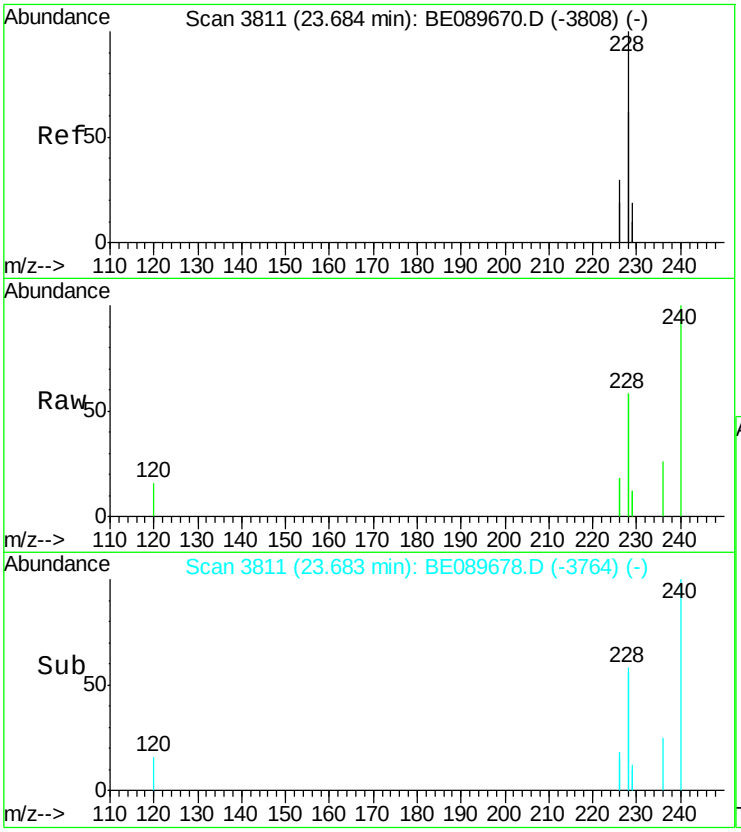


#22
Benzo(a)anthracene
Concen: 0.18 ng
RT: 23.64 min Scan# 3805
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:228 Resp: 17769

Ion	Ratio	Lower	Upper
228	100		
226	27.3	20.6	31.0
229	19.2	15.8	23.6

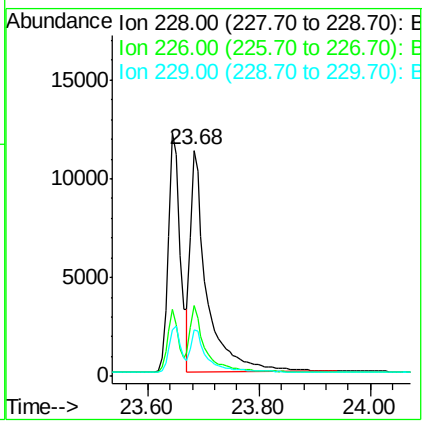




#23
Chrysene
Concen: 0.17 ng
RT: 23.68 min Scan# 3811
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:228 Resp: 23022

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.6	35.4
229	20.5	15.3	22.9



Instrument :
BNA_E
ClientSampleId :
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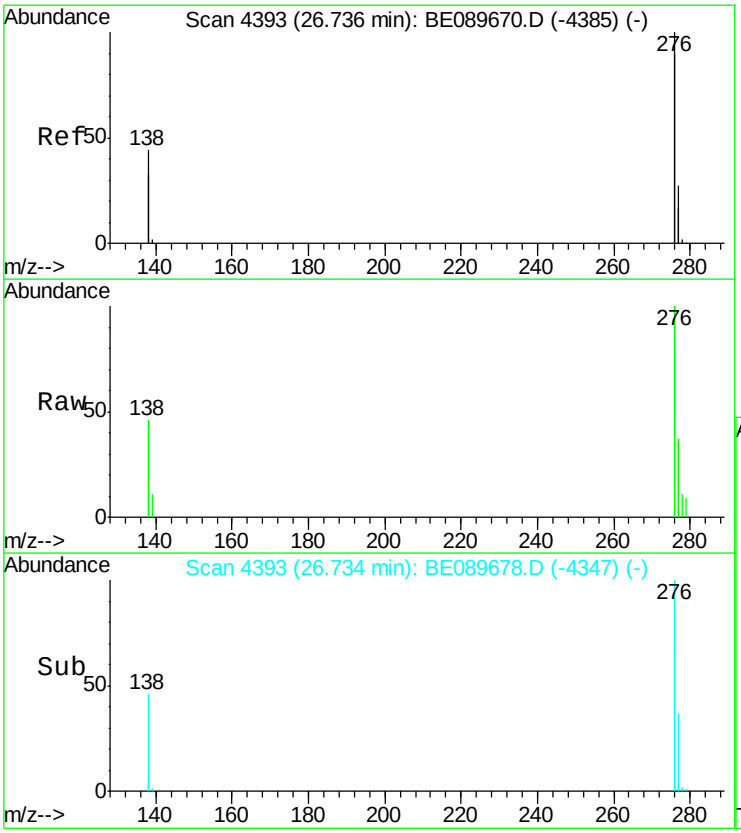
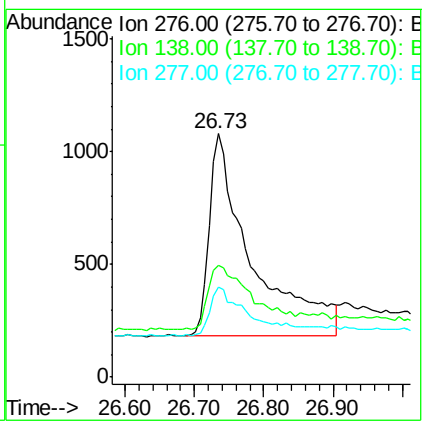
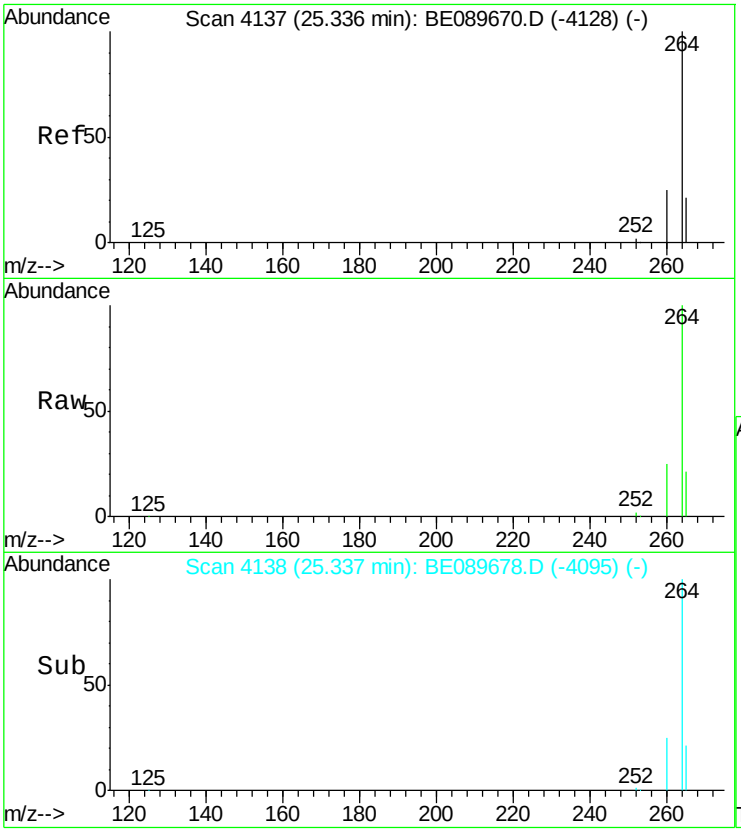


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.31 ng
RT: 26.73 min Scan# 4393
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:276 Resp: 3767

Ion	Ratio	Lower	Upper
276	100		
138	34.7	0.0	0.0#
277	22.1	5.2	7.8#





#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:264 Resp: 115041

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	21.2	17.0	25.4

Instrument :
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ClientSampleId :
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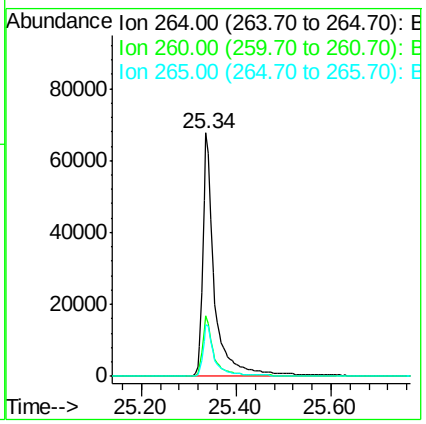
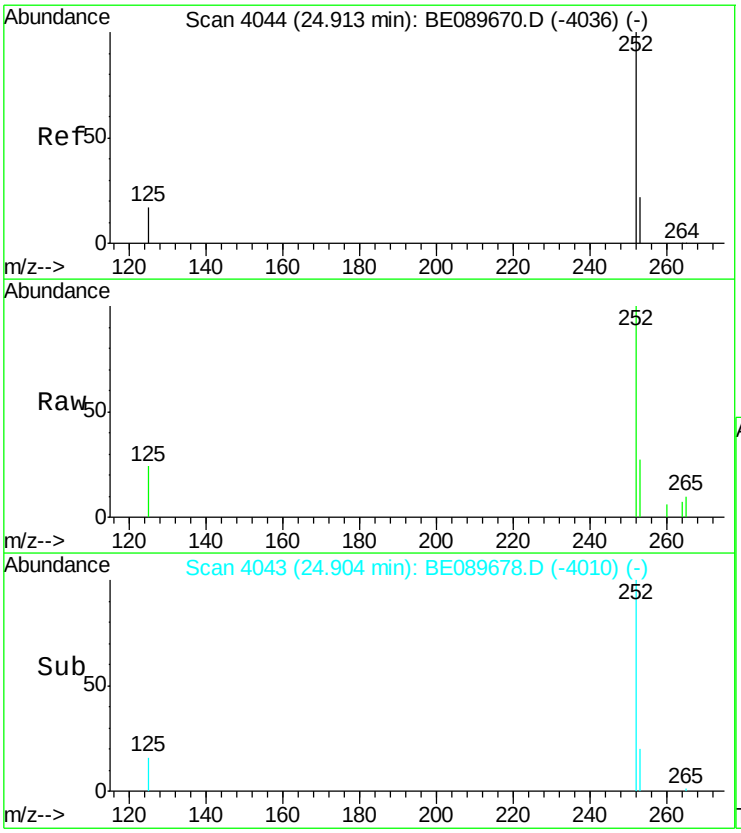
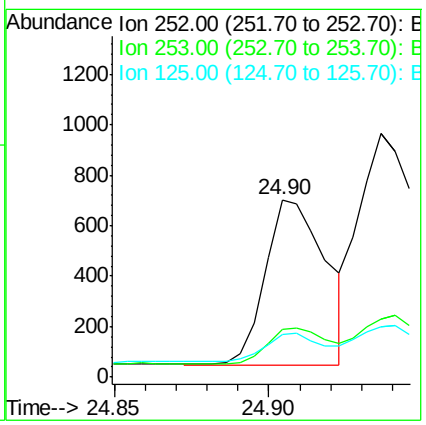


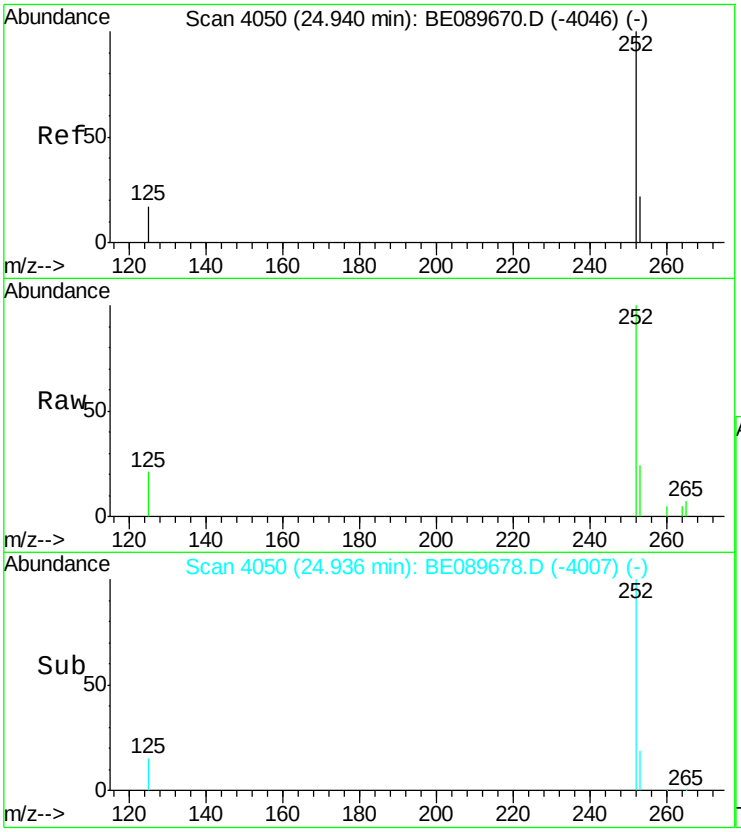


#26
Benzo(b)fluoranthene
Concen: 0.37 ng m
RT: 24.90 min Scan# 4043
Delta R.T. -0.01 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:252 Resp: 899

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.6	27.8
125	24.2	15.0	22.6#

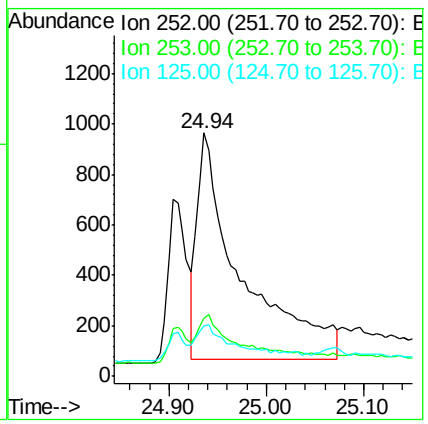




#27
Benzo(k)fluoranthene
Concen: 0.23 ng m
RT: 24.94 min Scan# 4050
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:252 Resp: 2790

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	20.9	14.3	21.5



Instrument :
BNA_E
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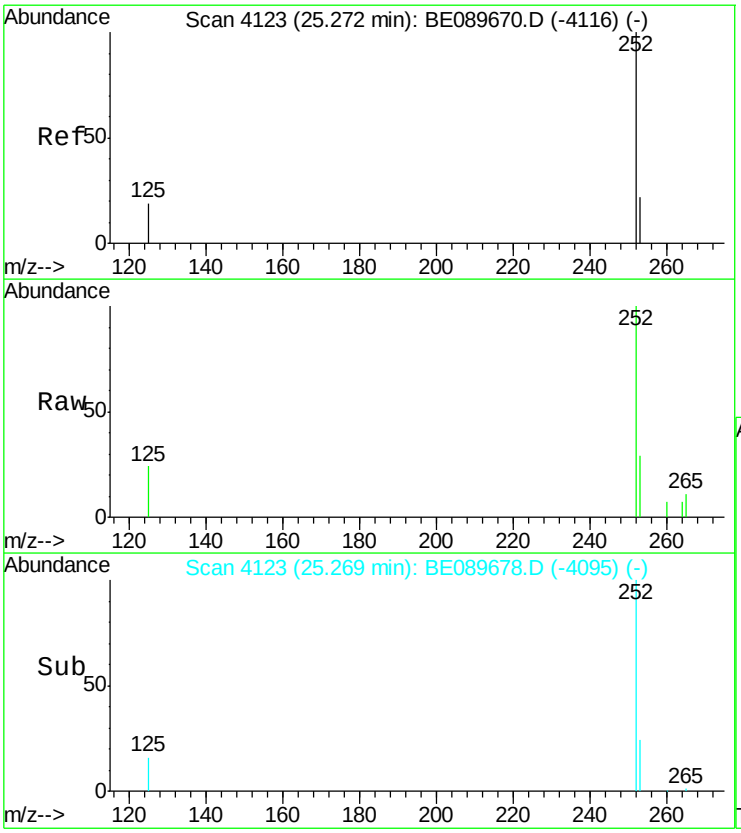
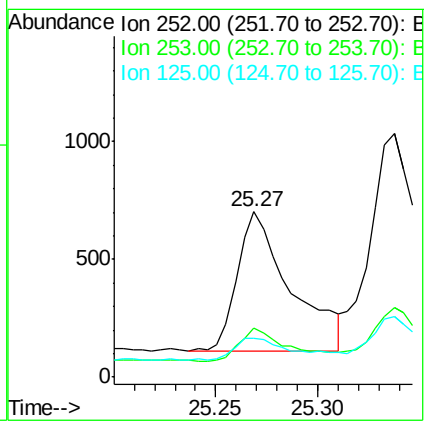
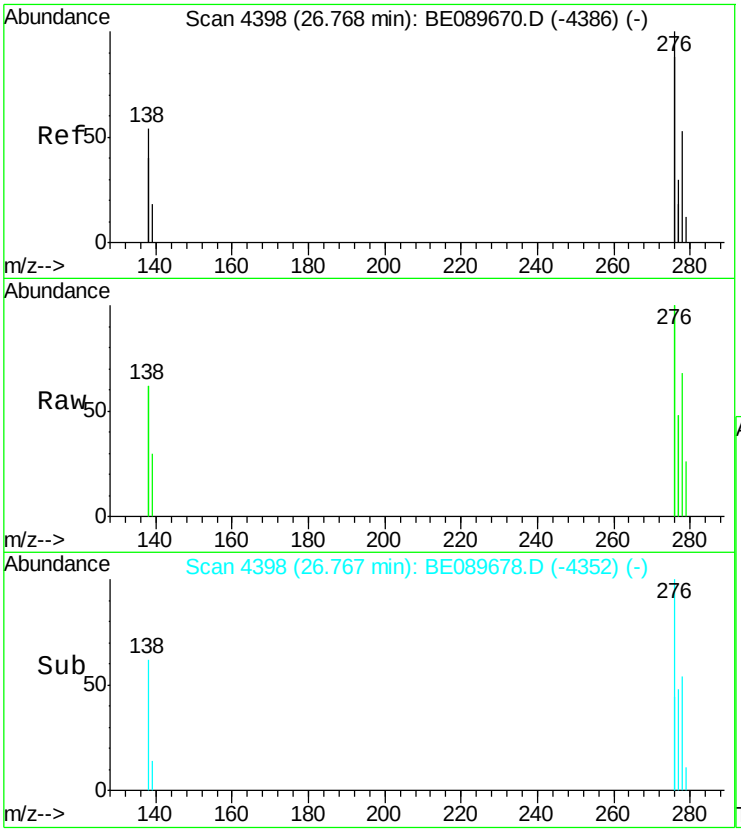


#28
Benzo(a)pyrene
Concen: 0.16 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:252 Resp: 1072

Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.8	28.2#
125	23.6	16.6	24.8

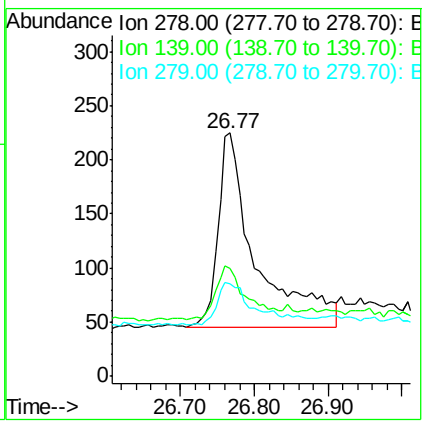




#29
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.77 min Scan# 4398
Delta R.T. -0.00 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:278 Resp: 646

Ion	Ratio	Lower	Upper
278	100		
139	44.0	30.4	45.6
279	37.8	22.0	33.0#



Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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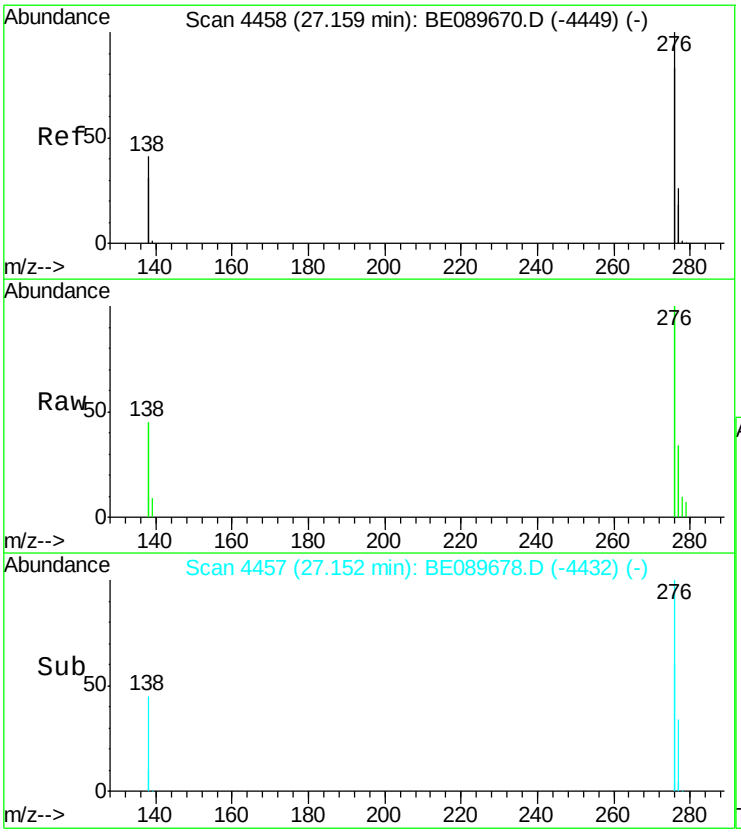

#30
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.15 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BE089678.D
Acq: 24 Feb 2015 19:35

Tgt Ion:276 Resp: 5558

Ion	Ratio	Lower	Upper
276	100		
277	33.8	21.0	31.6#
138	44.9	33.0	49.4