Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
Data File : BE089623.D
Acq On : 18 Feb 2015 18:13
Operator : TP/IZ
Sample : MDL-03-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

Quant Time: Feb 19 04:57:30 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 18 13:01:39 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	36583	5.00	ng		0.00
4) Naphthalene-d8	12.25	136	144515	5.00	ng		0.00
8) Acenaphthene-d10	16.42	164	70622	5.00	ng		0.00
13) Phenanthrene-d10	19.77	188	139251	5.00	ng		0.00
19) Chrysene-d12	23.66	240	132167	5.00	ng		0.00
25) Perylene-d12	25.34	264	108987	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	10.61	82	62589	9.96	ng		0.00
9) 2-Fluorobiphenyl	14.88	172	176238	9.32	ng		0.00
21) Terphenyl-d14	22.30	244	217371	11.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.73	88	282	0.06	ng	#	85
6) Naphthalene	12.30	128	2254	0.07	ng	#	94
7) 2-Methylnaphthalene	13.95	142	1206	0.06	ng		97
10) Acenaphthylene	16.07	152	6527	0.06	ng		99
11) Acenaphthene	16.50	154	1253	0.07	ng		90
12) Fluorene	17.74	166	1369	0.06	ng		99
14) Hexachlorobenzene	19.00	284	418	0.07	ng		95
15) Pentachlorophenol	19.45	266	37	0.01	ng	#	68
16) Phenanthrene	19.82	178	2409	0.07	ng		98
17) Anthracene	19.91	178	1607	0.06	ng		99
18) Fluoranthene	21.72	202	1739	0.05	ng		99
20) Pyrene	22.04	202	1897	0.06	ng		99
22) Benzo(a)anthracene	23.65	228	6850	0.06	ng	#	93
23) Chrysene	23.69	228	10813	0.08	ng		95
24) Indeno(1,2,3-cd)pyrene	26.75	276	2259	0.19	ng	#	93
26) Benzo(b)fluoranthene	24.91	252	535	0.29	ng	#	76
27) Benzo(k)fluoranthene	24.94	252	1324m	0.04	ng		
28) Benzo(a)pyrene	25.27	252	540	0.26	ng	#	77
29) Dibenzo(a,h)anthracene	26.77	278	335	0.24	ng	#	51
30) Benzo(g,h,i)perylene	27.16	276	3023	0.16	ng	#	72

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

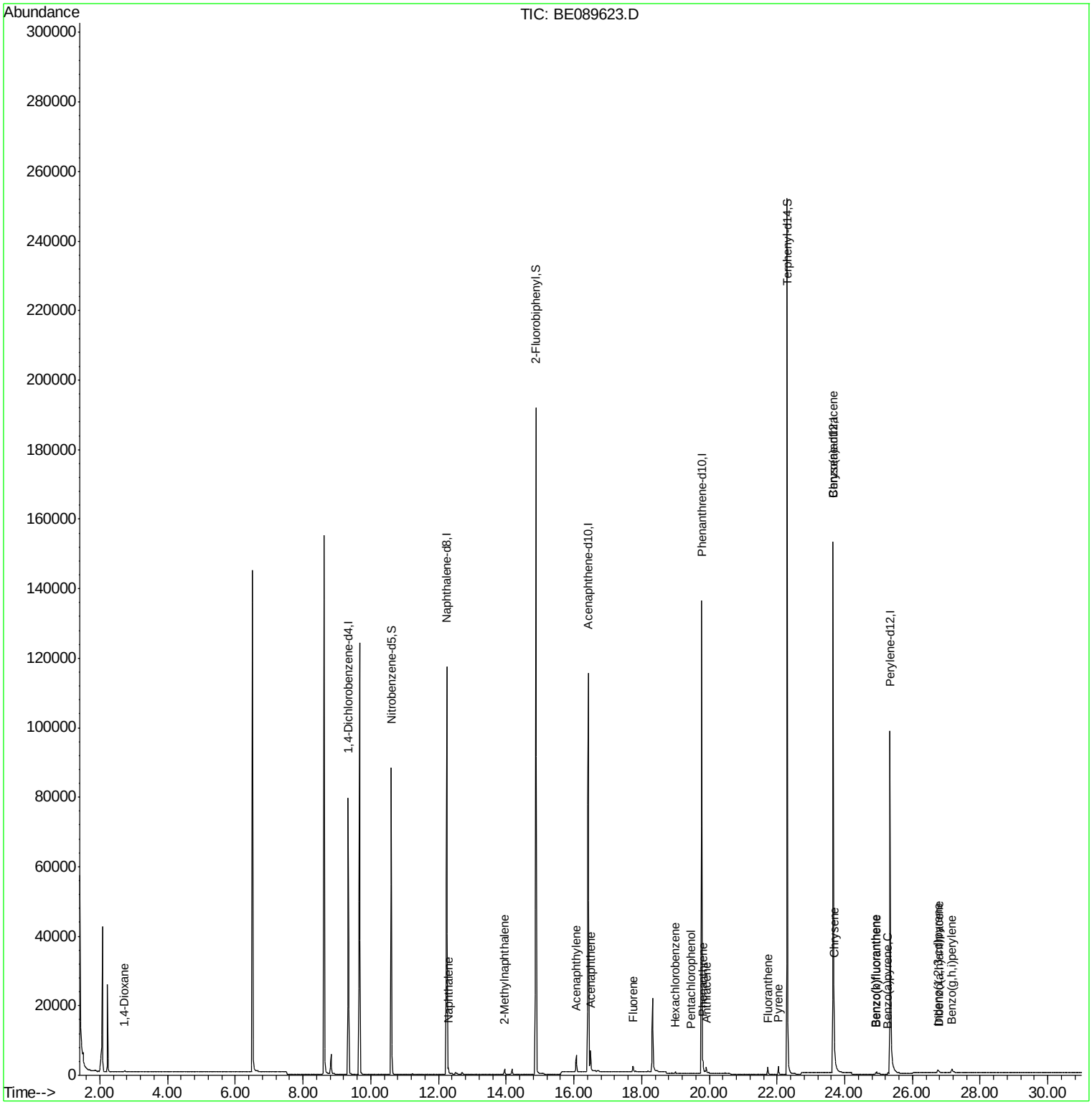
Quantitation Report (QT Reviewed)

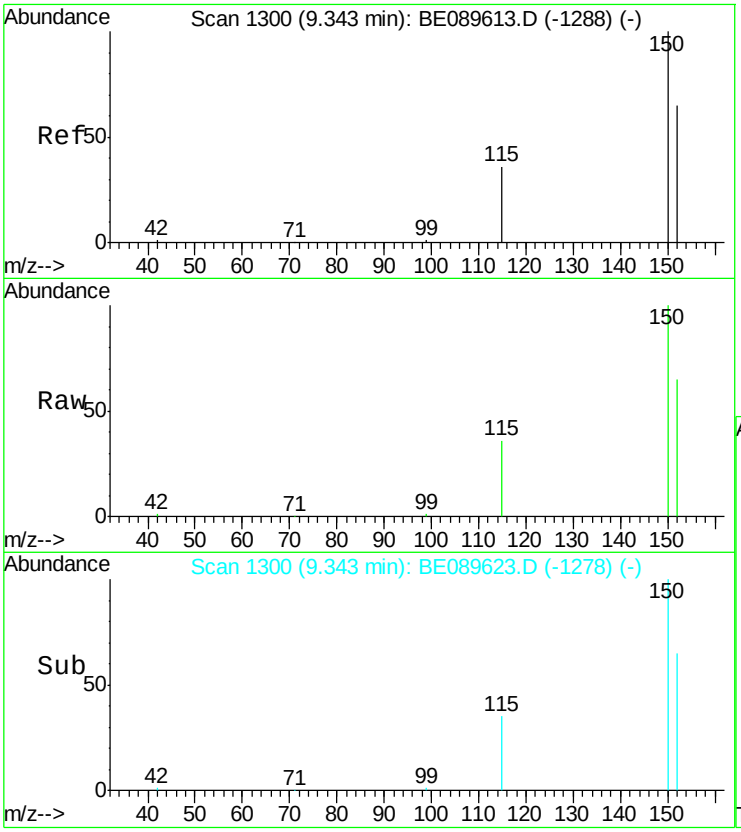
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
Data File : BE089623.D
Acq On : 18 Feb 2015 18:13
Operator : TP/IZ
Sample : MDL-03-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 04:57:30 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 18 13:01:39 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

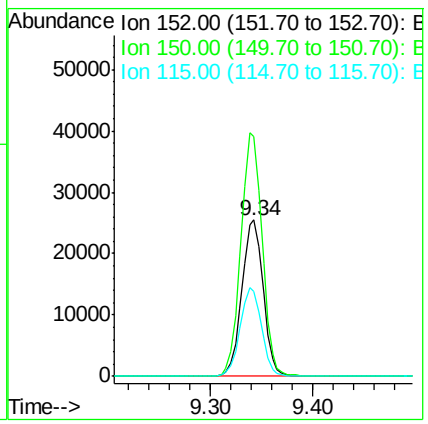




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

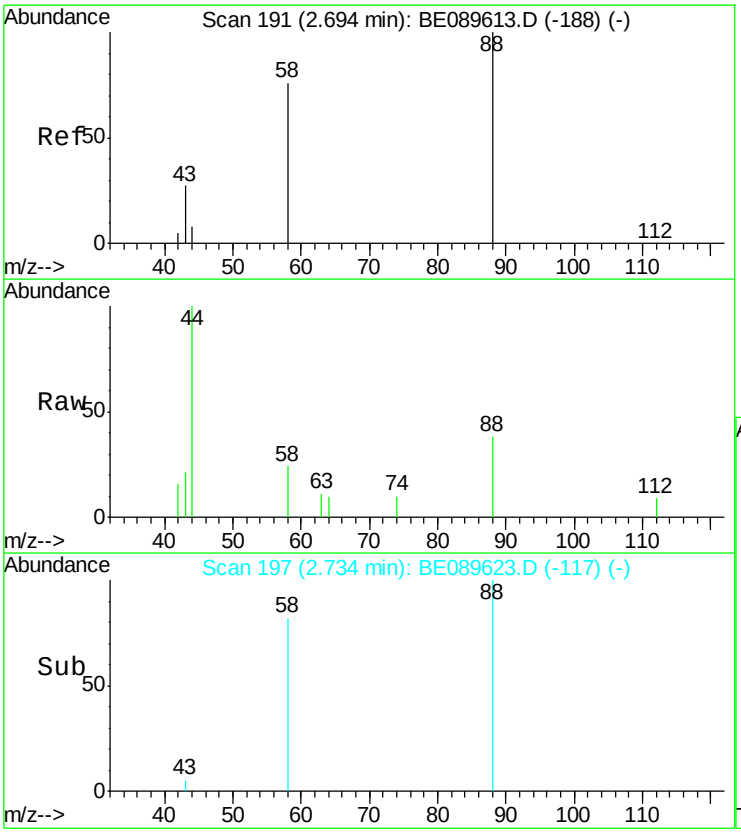
Tgt Ion:152 Resp: 36583

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.4	183.6
115	54.6	44.2	66.2



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

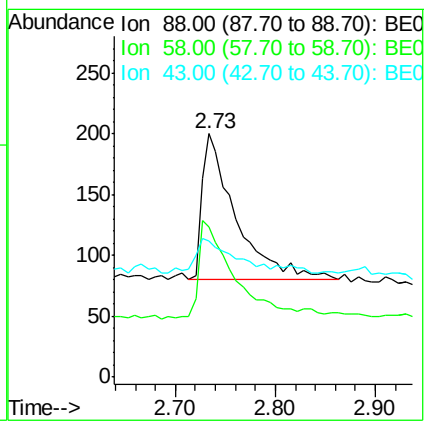
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

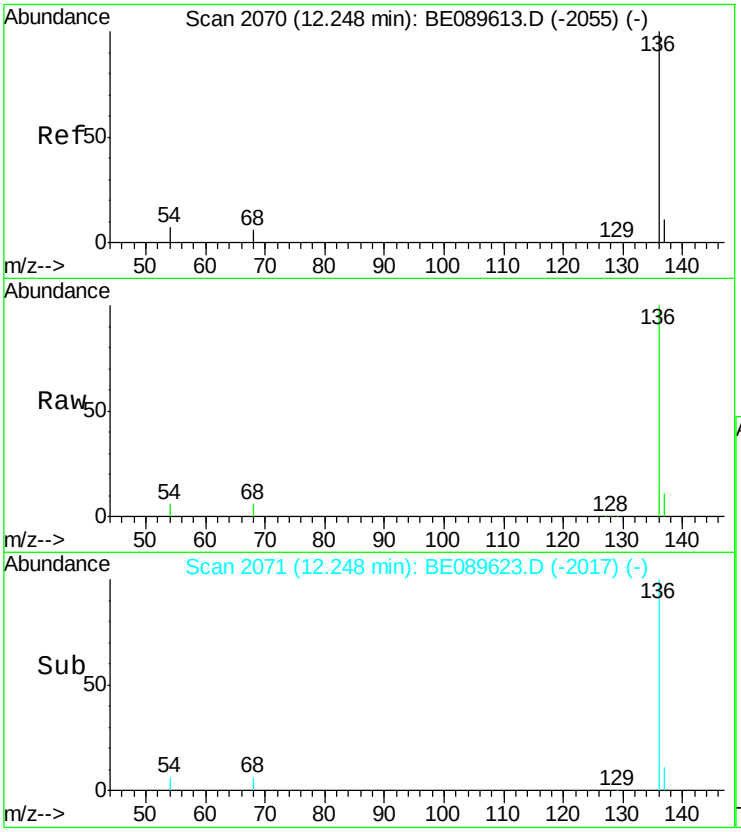


#2
1,4-Dioxane
Concen: 0.06 ng
RT: 2.73 min Scan# 197
Delta R.T. 0.04 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion: 88 Resp: 282

Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.6	81.8
43	0.0	20.6	30.8#

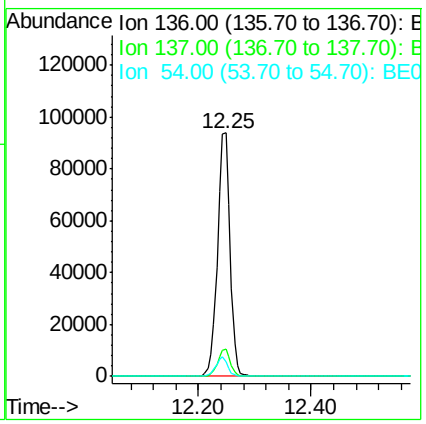




#4
Naphthalene-d8
Concen: 5.00 ng
RT: 12.25 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

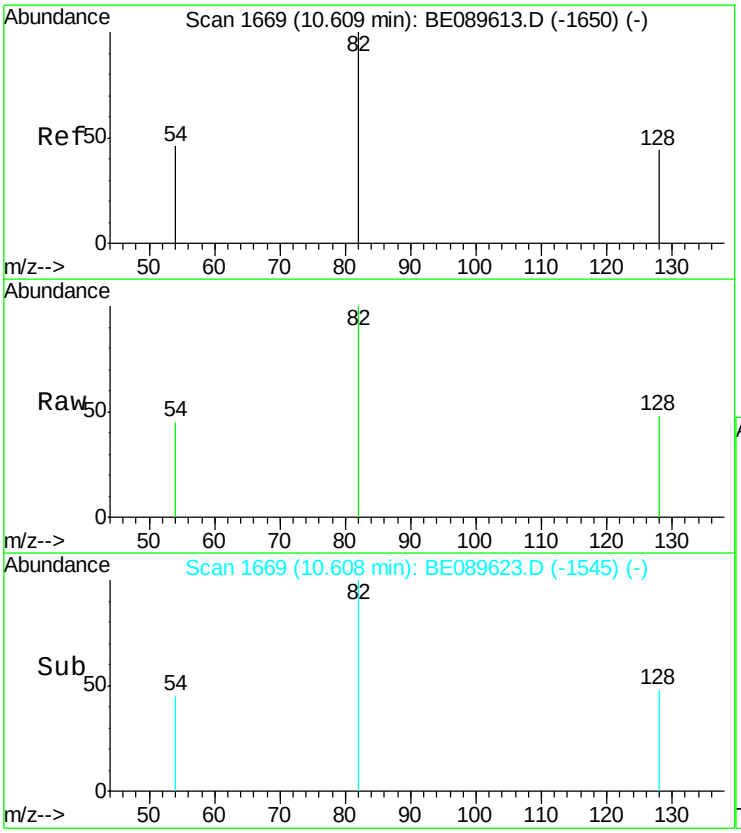
Tgt Ion:136 Resp: 144515

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.2	5.3	7.9



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

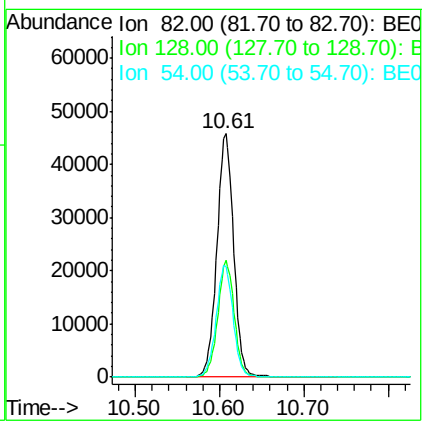
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

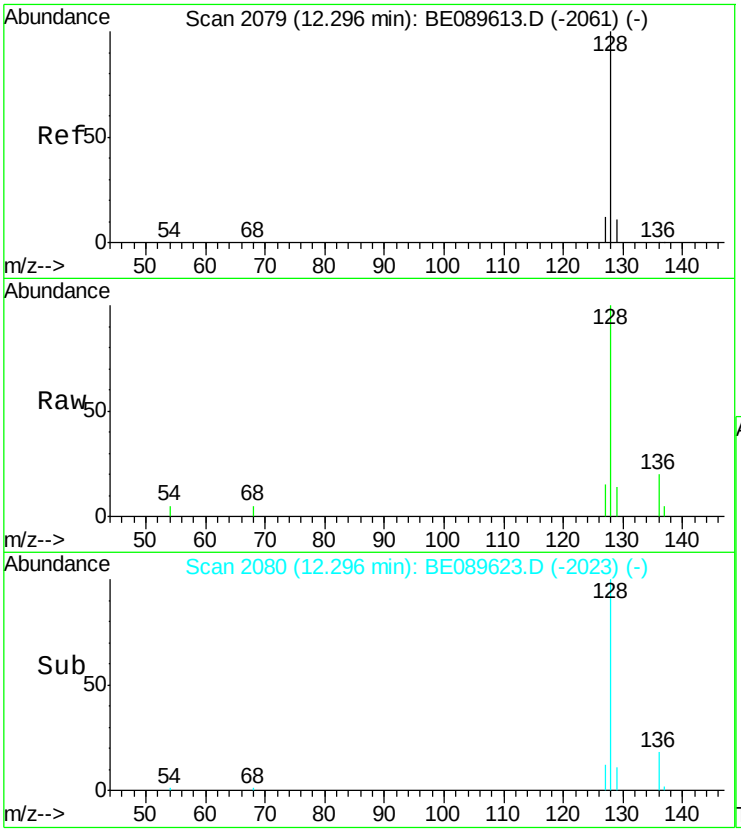


#5
Nitrobenzene-d5
Concen: 9.96 ng
RT: 10.61 min Scan# 1669
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion: 82 Resp: 62589

Ion	Ratio	Lower	Upper
82	100		
128	47.8	35.5	53.3
54	45.3	37.5	56.3





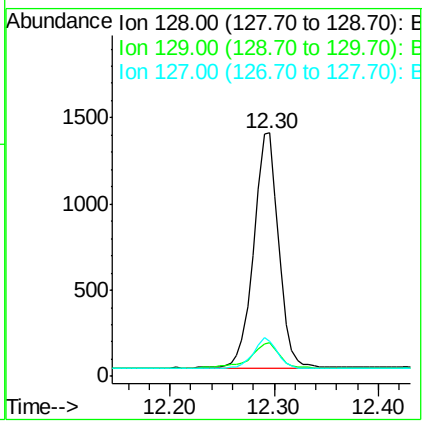
#6
Naphthalene
Concen: 0.07 ng
RT: 12.30 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

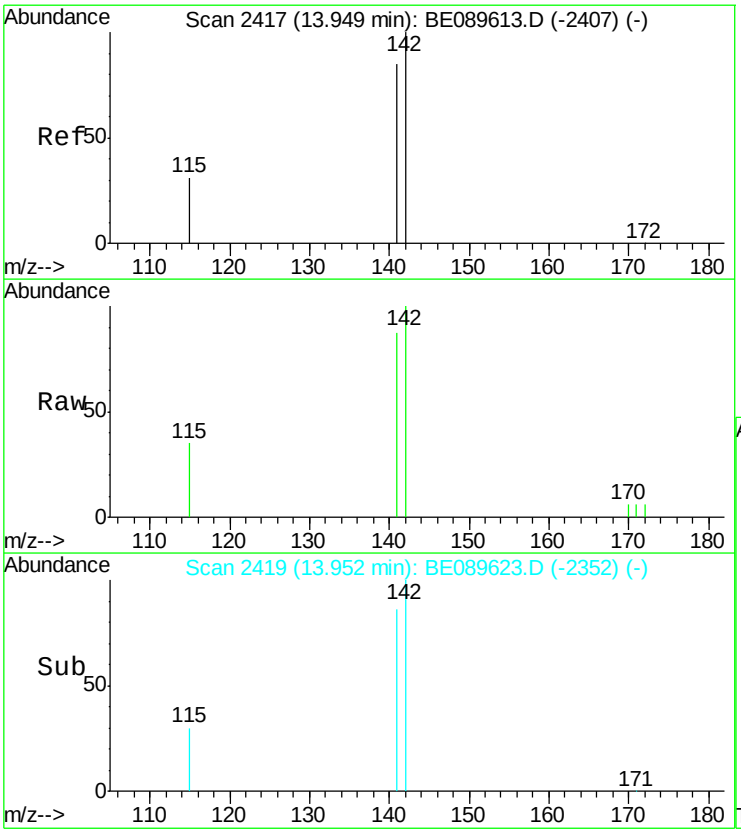
Tgt Ion:128 Resp: 2254

Ion	Ratio	Lower	Upper
128	100		
129	13.7	8.9	13.3#
127	14.6	9.8	14.8

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

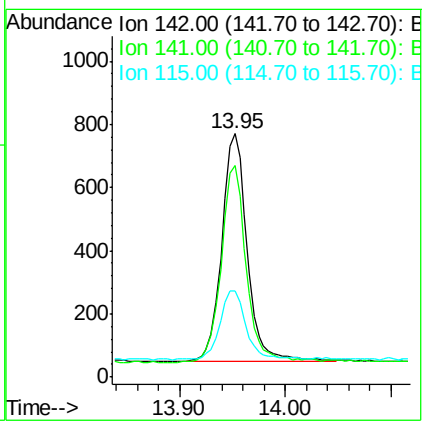


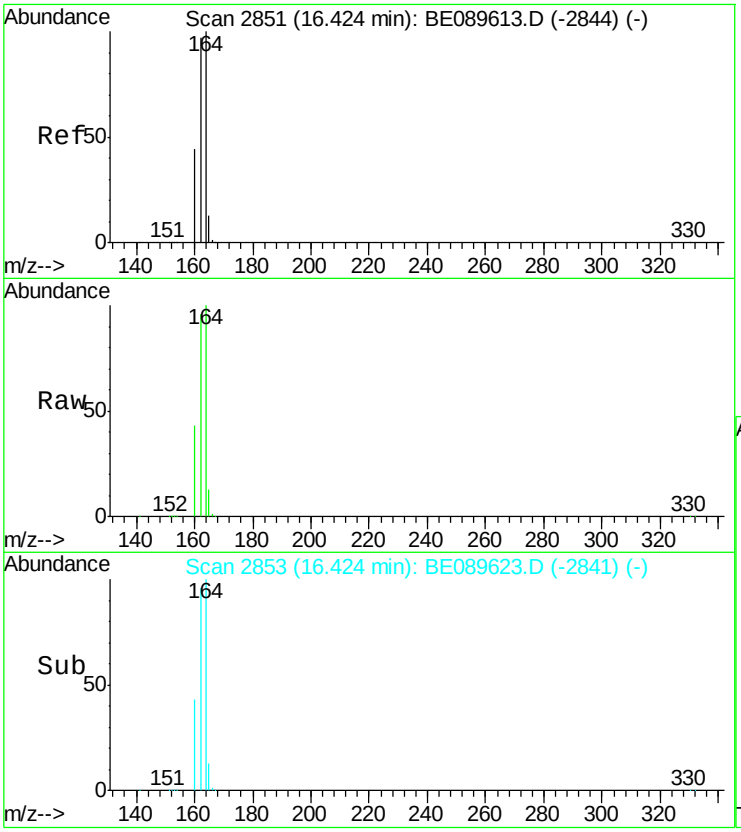


#7
2-Methylnaphthalene
Concen: 0.06 ng
RT: 13.95 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:142 Resp: 1206

Ion	Ratio	Lower	Upper
142	100		
141	86.6	68.3	102.5
115	35.1	25.1	37.7





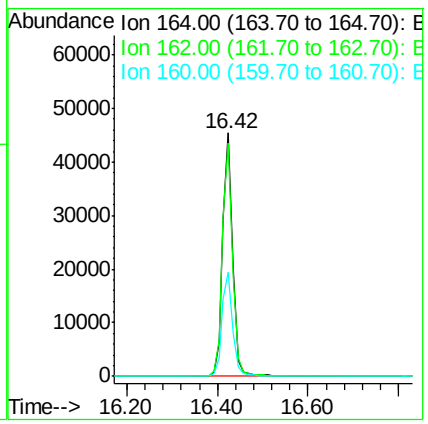
#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

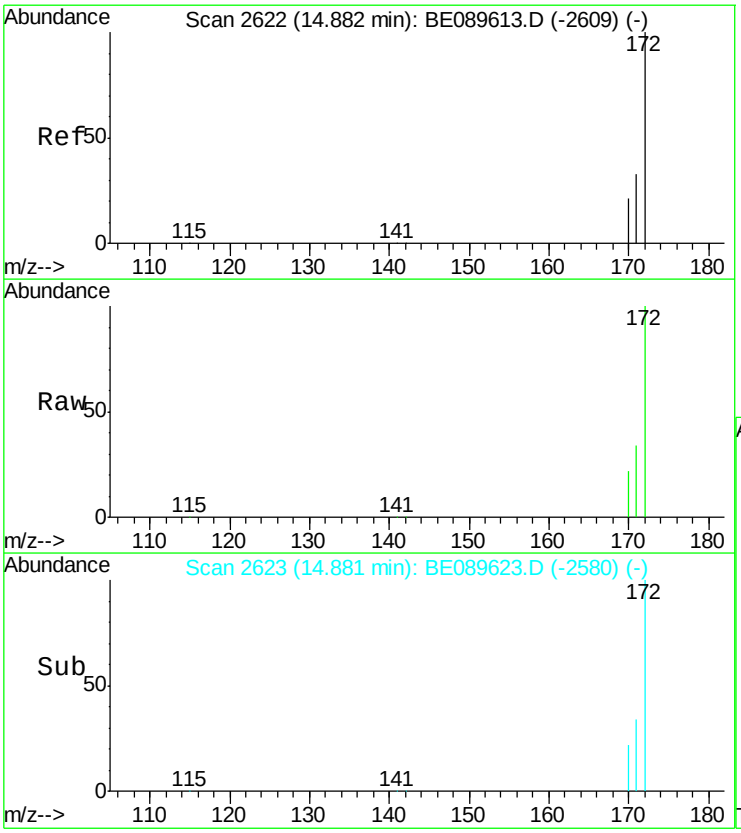
Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

Tgt Ion:164 Resp: 70622

Ion	Ratio	Lower	Upper
164	100		
162	95.6	77.5	116.3
160	42.6	35.5	53.3

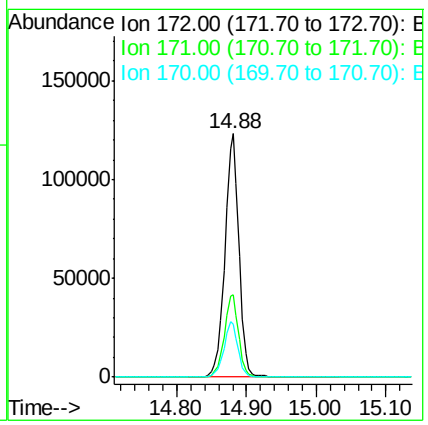


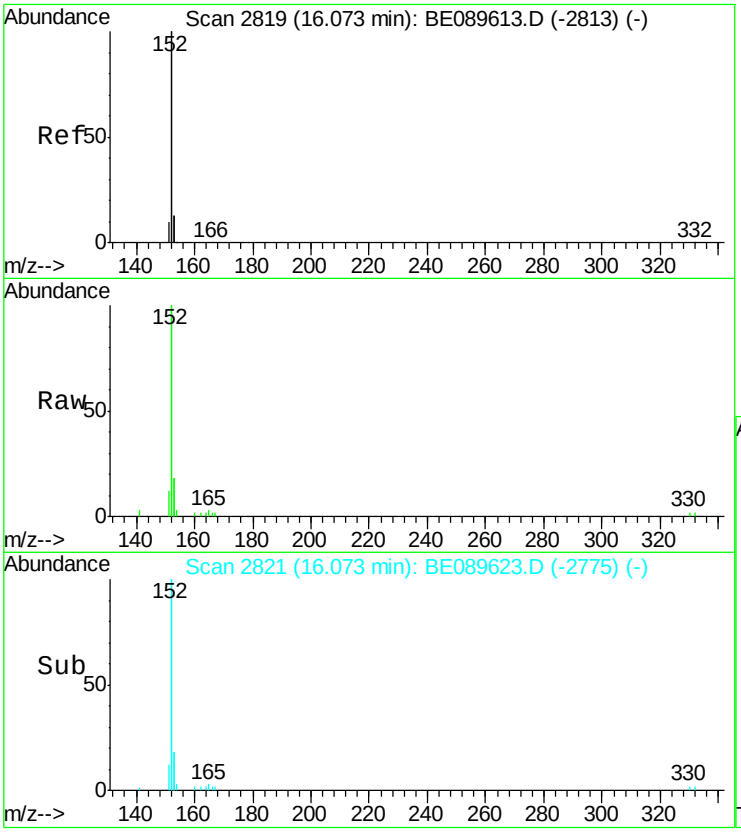


#9
2-Fluorobiphenyl
Concen: 9.32 ng
RT: 14.88 min Scan# 2623
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:172 Resp: 176238

Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.9	40.3
170	21.5	17.4	26.0

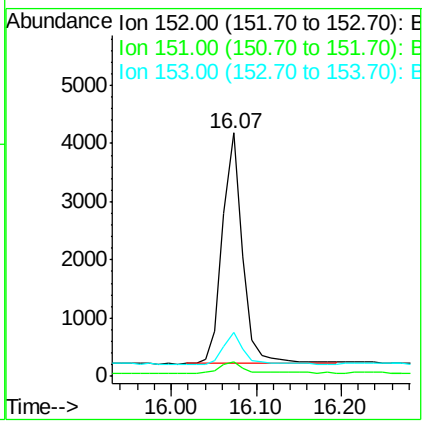




#10
Acenaphthylene
Concen: 0.06 ng
RT: 16.07 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

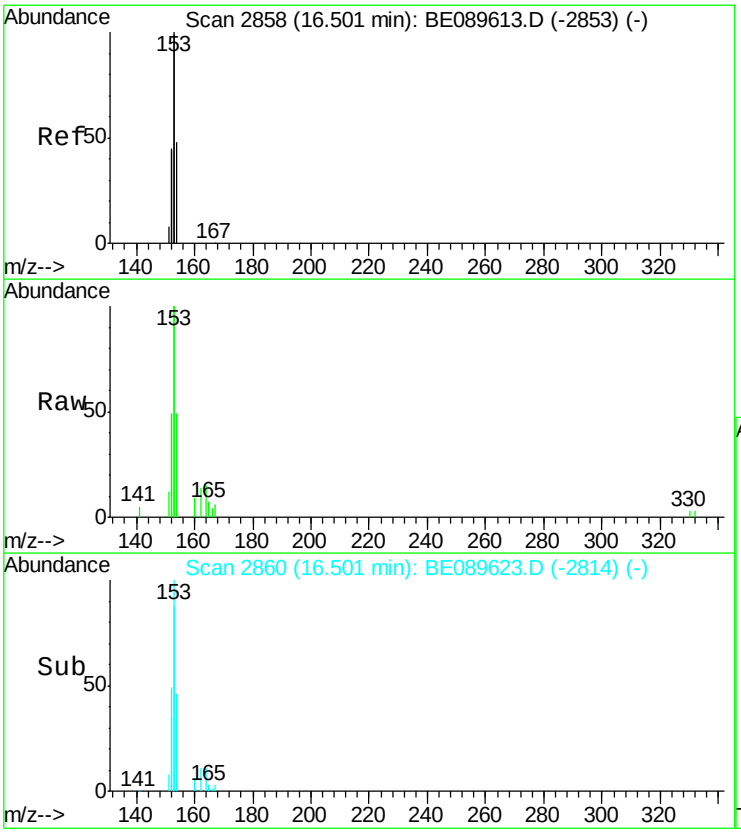
Tgt Ion:152 Resp: 6527

Ion	Ratio	Lower	Upper
152	100		
151	5.2	3.9	5.9
153	13.7	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

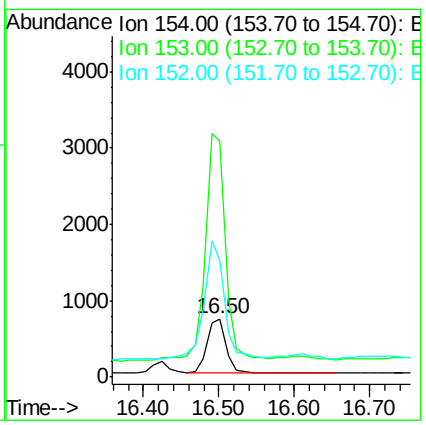
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

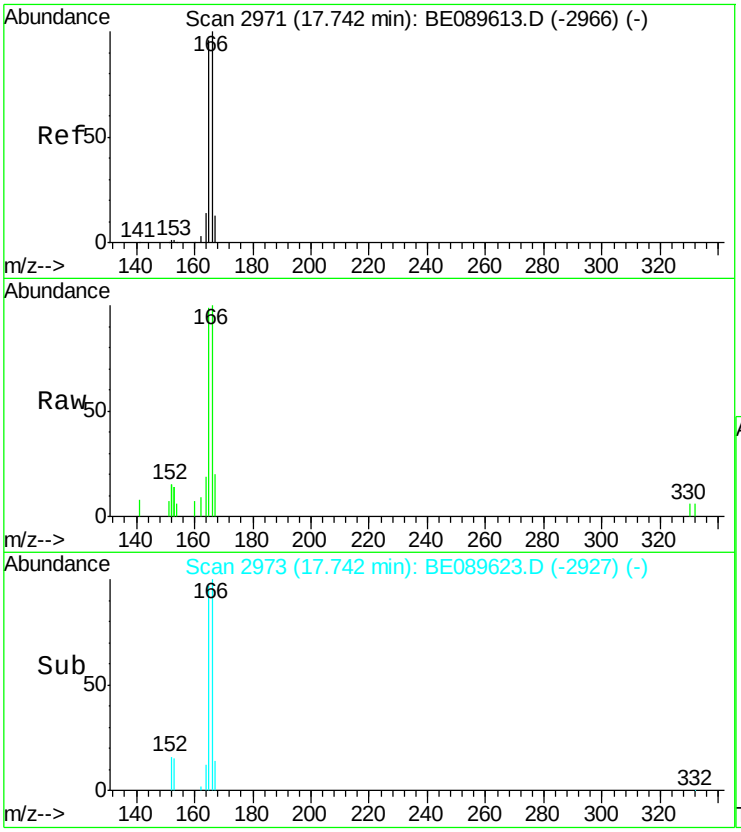


#11
Acenaphthene
Concen: 0.07 ng
RT: 16.50 min Scan# 2860
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:154 Resp: 1253

Ion	Ratio	Lower	Upper
154	100		
153	447.2	348.9	523.3
152	242.5	166.6	249.8





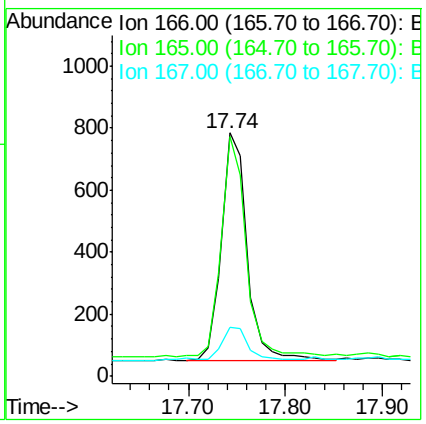
#12
Fluorene
Concen: 0.06 ng
RT: 17.74 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

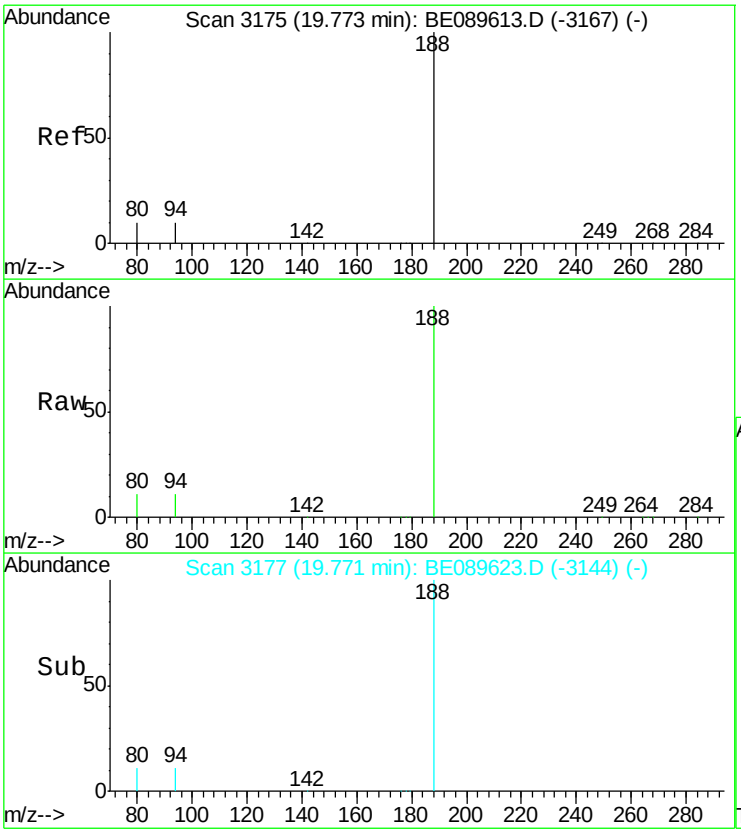
Tgt Ion:166 Resp: 1369

Ion	Ratio	Lower	Upper
166	100		
165	92.5	74.7	112.1
167	15.0	10.5	15.7

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

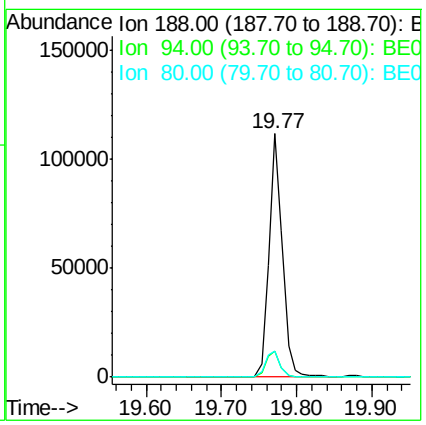


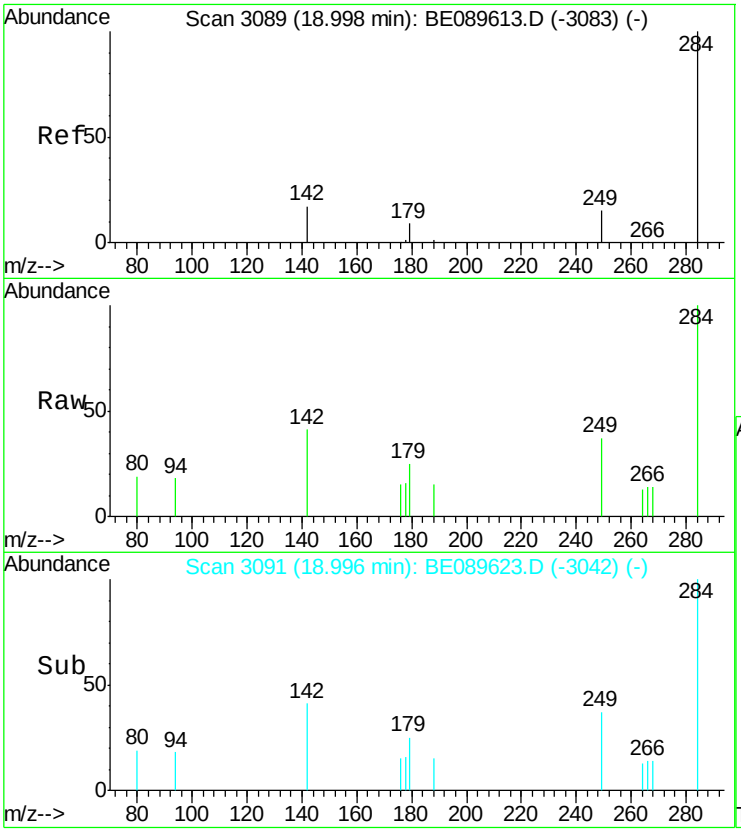


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:188 Resp: 139251

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.2	12.4
80	10.8	8.1	12.1

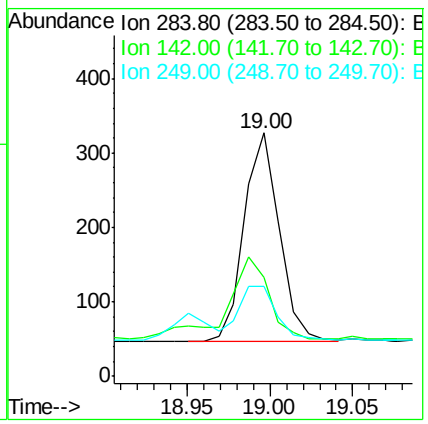




#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 19.00 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

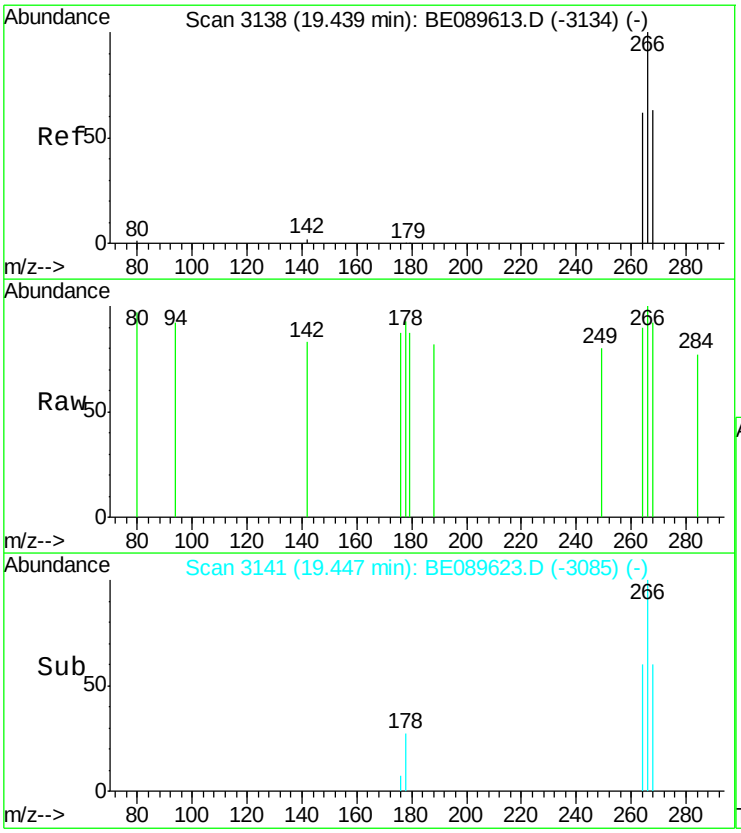
Tgt Ion:284 Resp: 418

Ion	Ratio	Lower	Upper
284	100		
142	45.0	32.3	48.5
249	28.2	22.3	33.5



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

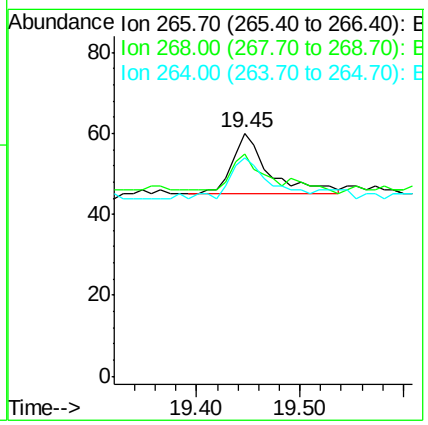
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

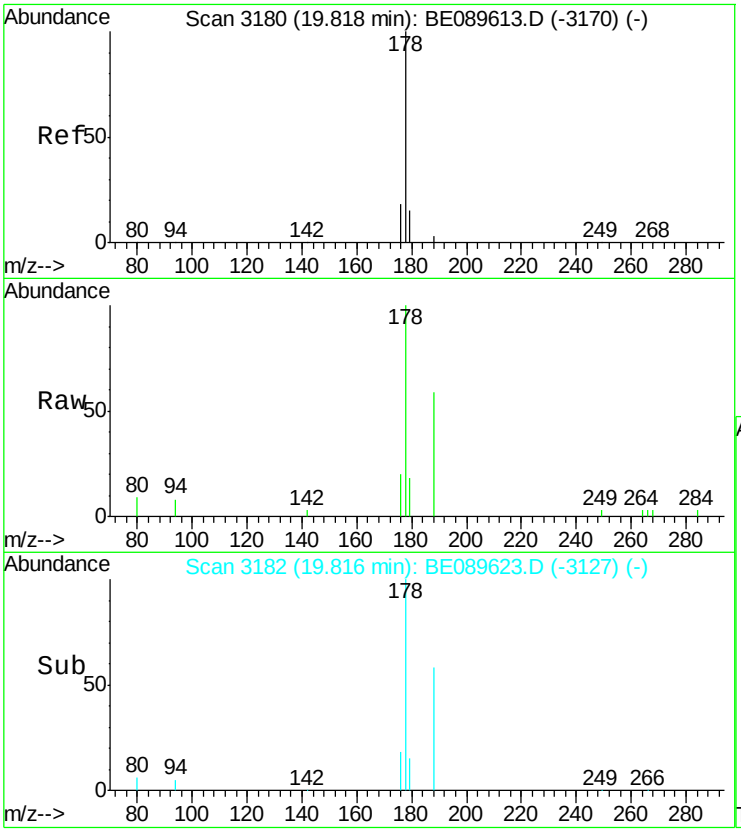


#15
Pentachlorophenol
Concen: 0.01 ng
RT: 19.45 min Scan# 3141
Delta R.T. 0.01 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:266 Resp: 37

Ion	Ratio	Lower	Upper
266	100		
268	91.7	52.6	79.0#
264	90.0	51.8	77.8#

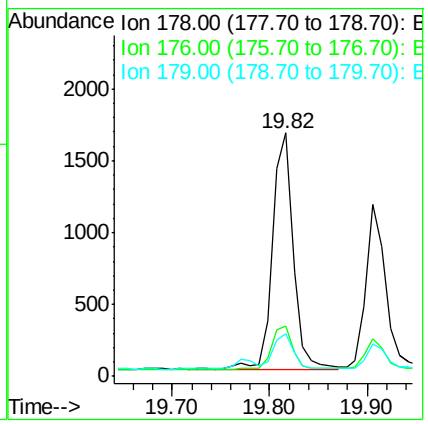




#16
Phenanthrene
Concen: 0.07 ng
RT: 19.82 min Scan# 3182
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

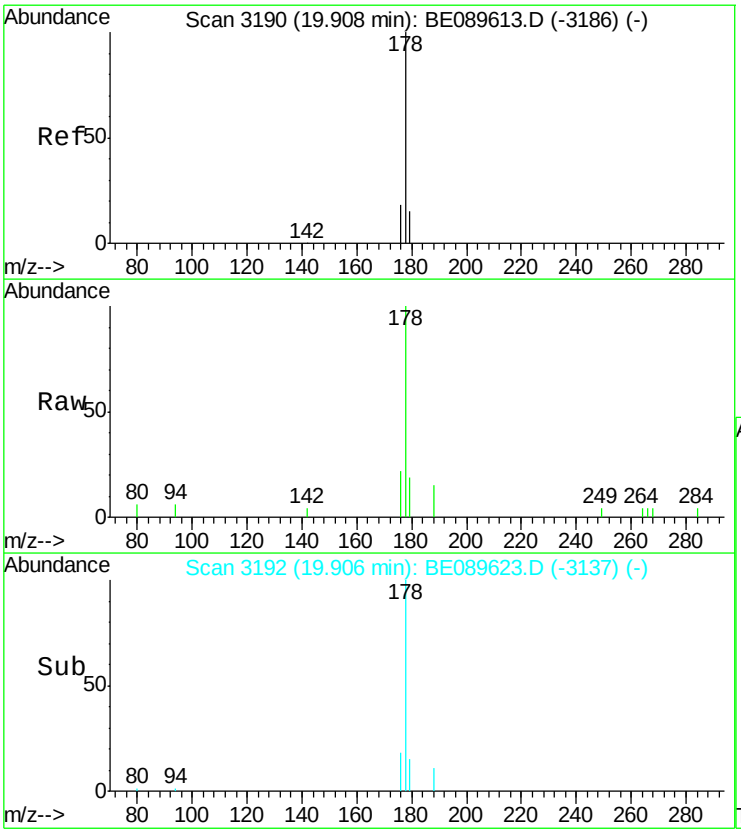
Tgt Ion:178 Resp: 2409

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	14.2	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

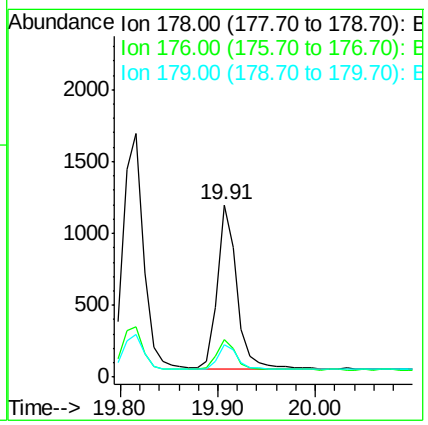
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

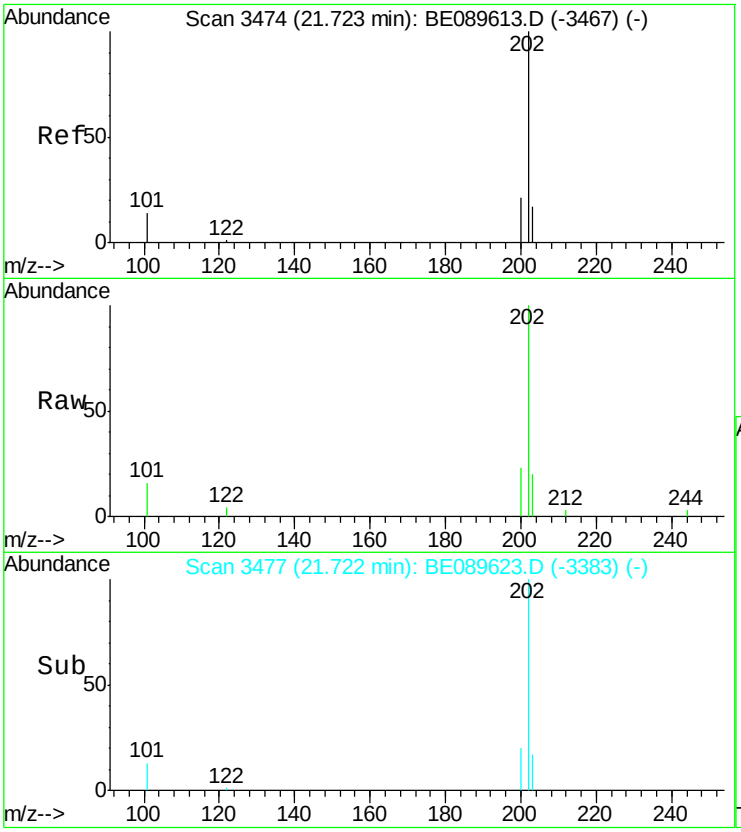


#17
Anthracene
Concen: 0.06 ng
RT: 19.91 min Scan# 3192
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:178 Resp: 1607

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.0	12.3	18.5

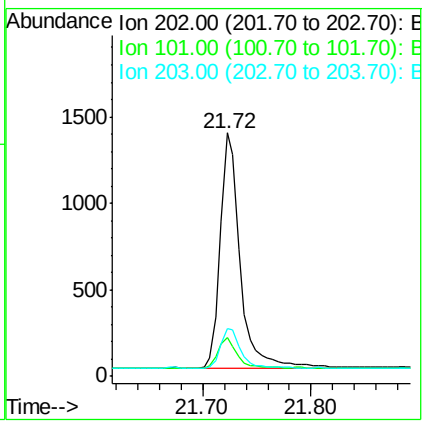




#18
Fluoranthene
Concen: 0.05 ng
RT: 21.72 min Scan# 3477
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

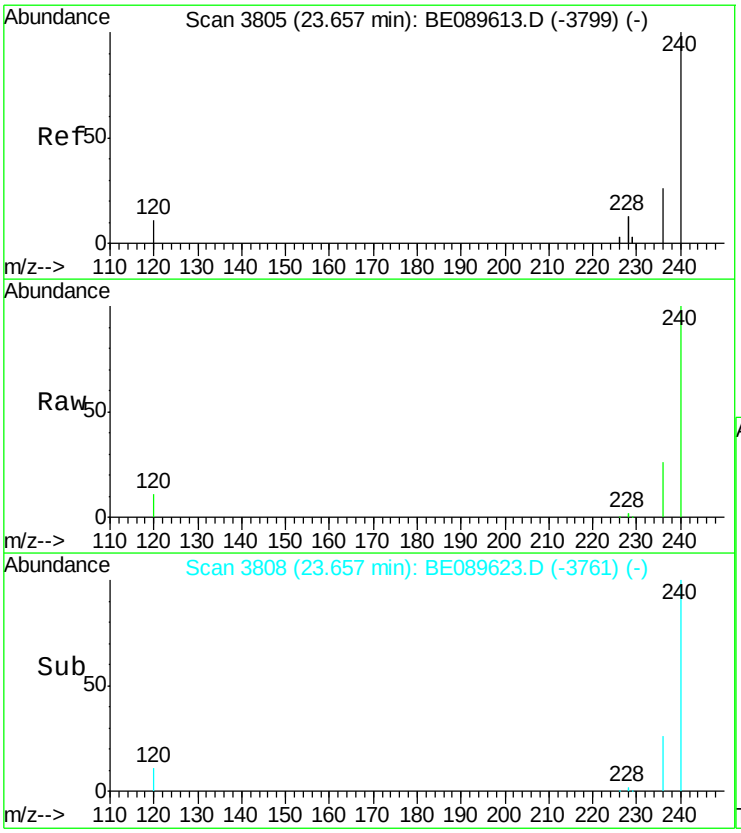
Tgt Ion:202 Resp: 1739

Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.4	15.6
203	17.0	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

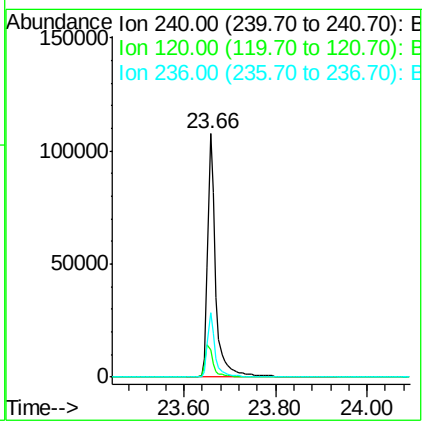
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

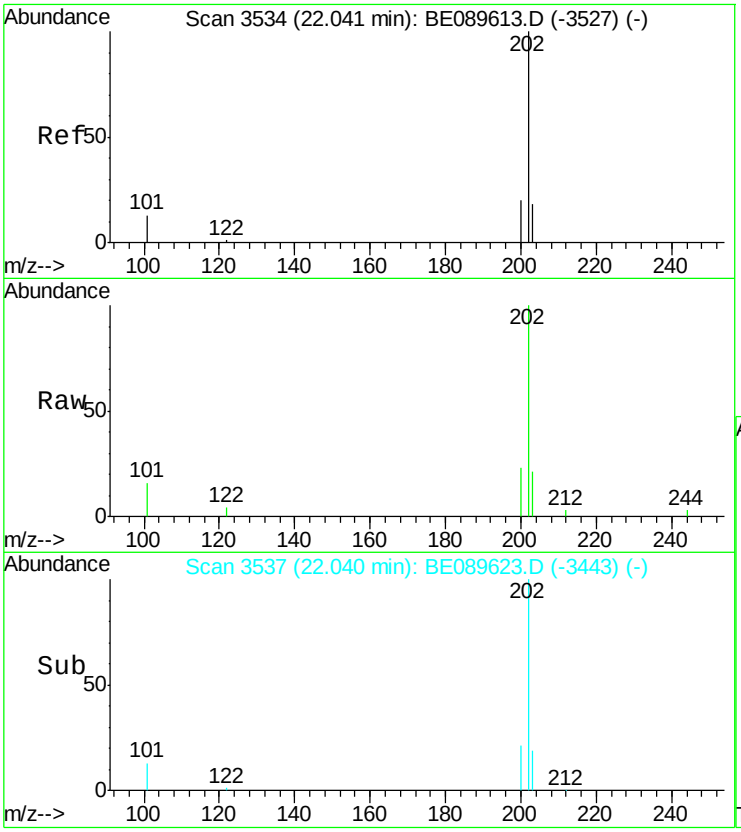


#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3808
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:240 Resp: 132167

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.4
236	26.2	21.0	31.6





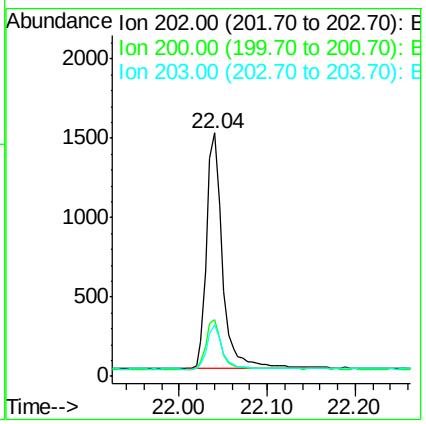
#20
Pyrene
Concen: 0.06 ng
RT: 22.04 min Scan# 3537
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

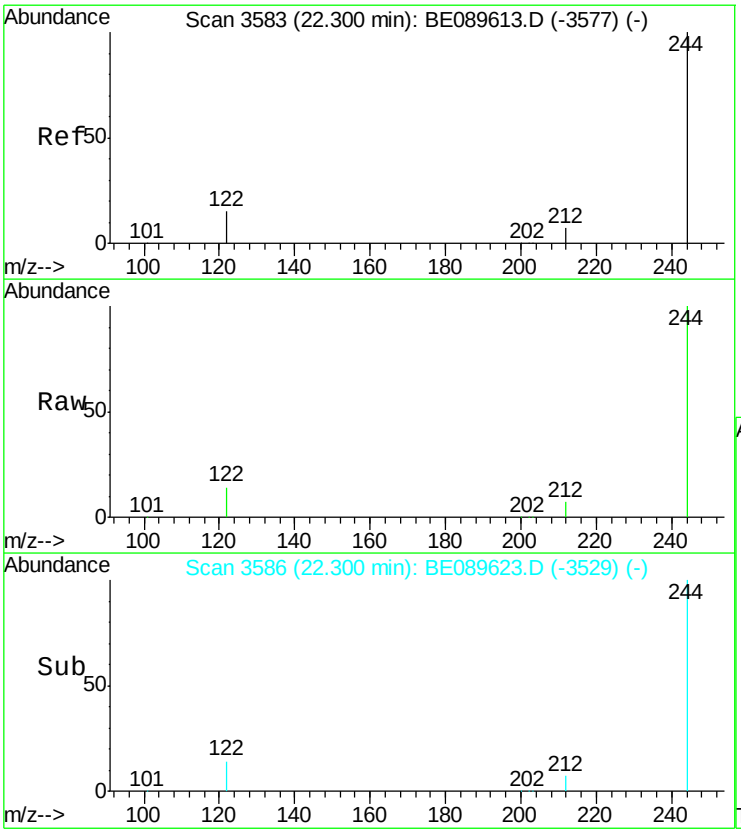
Tgt Ion:202 Resp: 1897

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	17.6	13.8	20.8

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

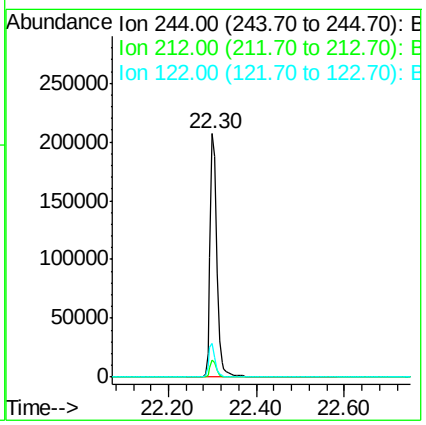


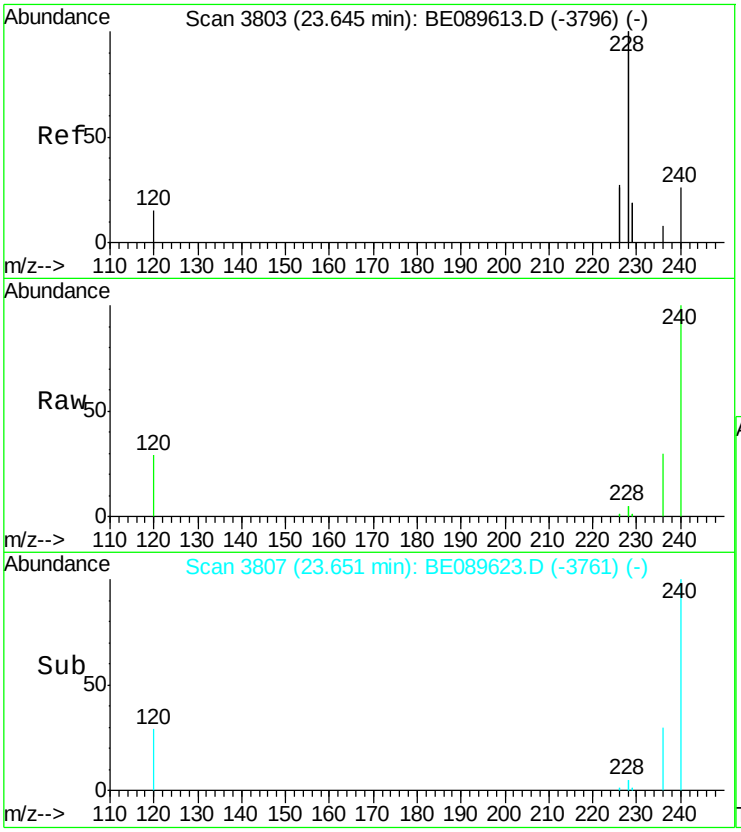


#21
Terphenyl-d14
Concen: 11.44 ng
RT: 22.30 min Scan# 3586
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:244 Resp: 217371

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	14.1	11.8	17.8





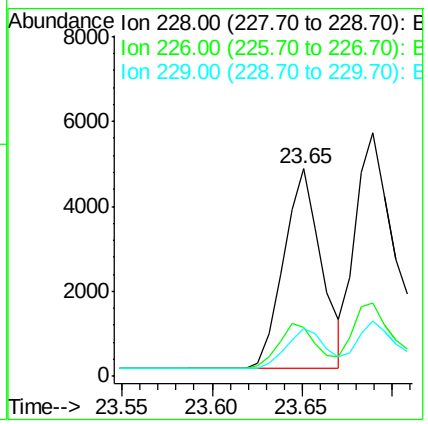
#22
Benzo(a)anthracene
Concen: 0.06 ng
RT: 23.65 min Scan# 3807
Delta R.T. 0.01 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

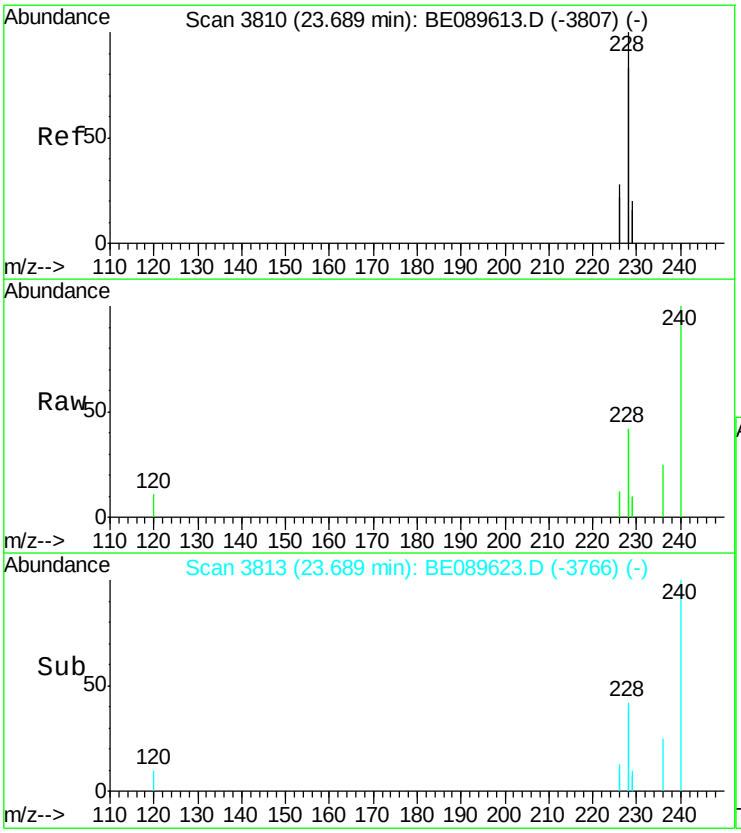
Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

Tgt Ion:228 Resp: 6850

Ion	Ratio	Lower	Upper
228	100		
226	23.8	21.2	31.8
229	23.3	15.2	22.8#

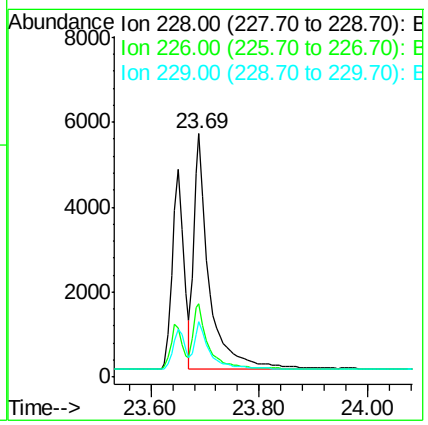


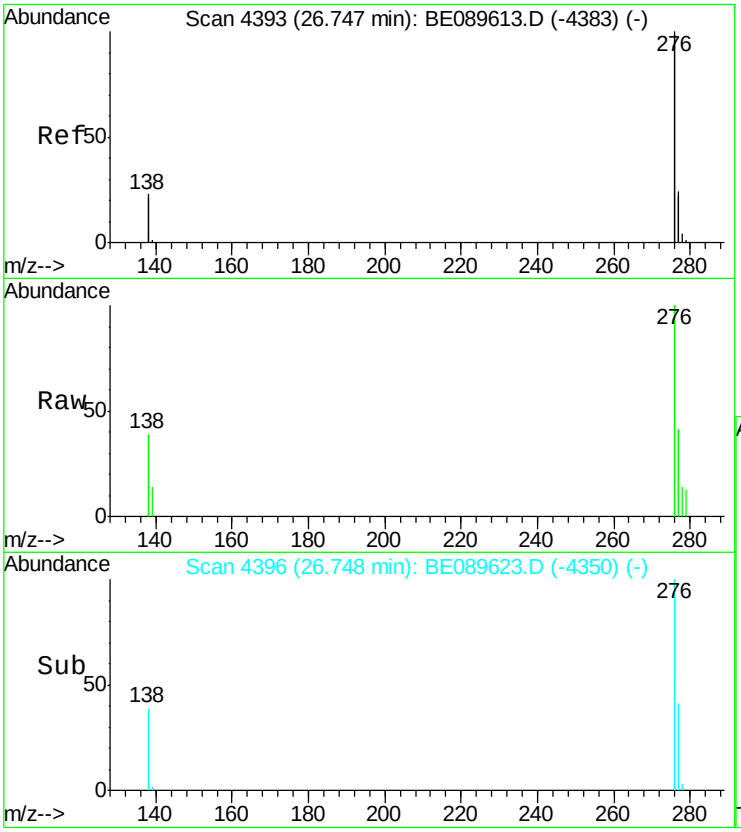


#23
Chrysene
Concen: 0.08 ng
RT: 23.69 min Scan# 3813
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:228 Resp: 10813

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.2	33.4
229	22.9	16.0	24.0

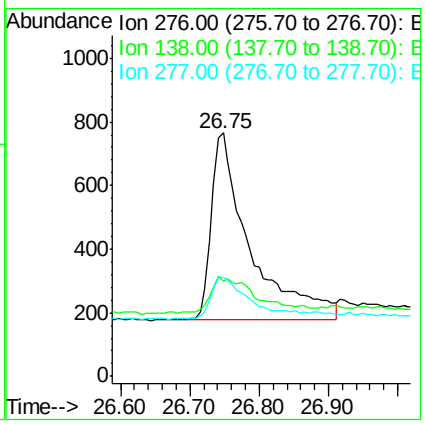




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 26.75 min Scan# 4396
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

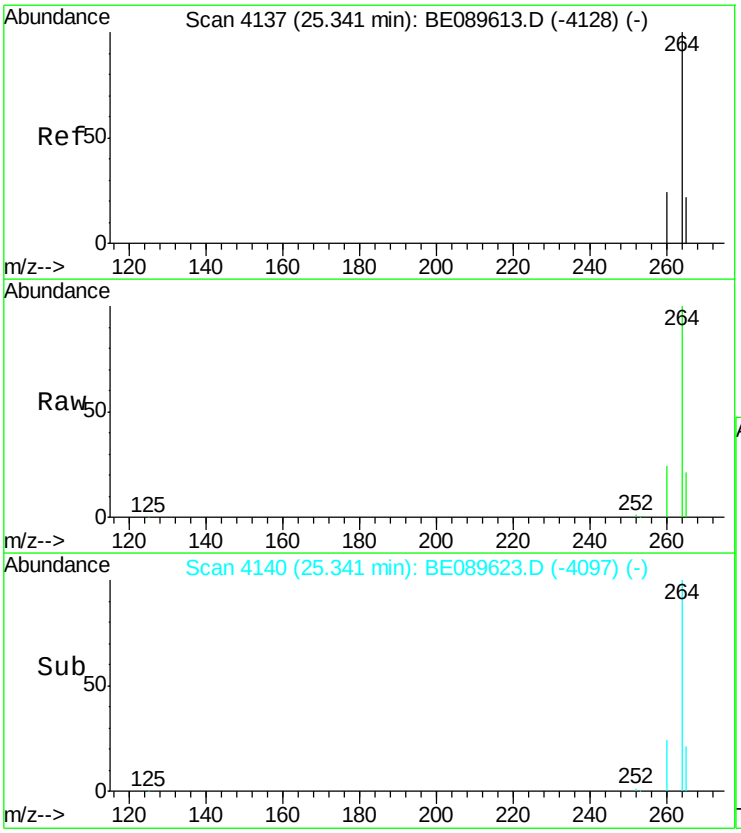
Tgt Ion:276 Resp: 2259

Ion	Ratio	Lower	Upper
276	100		
138	20.8	21.4	32.2#
277	23.9	19.9	29.9



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

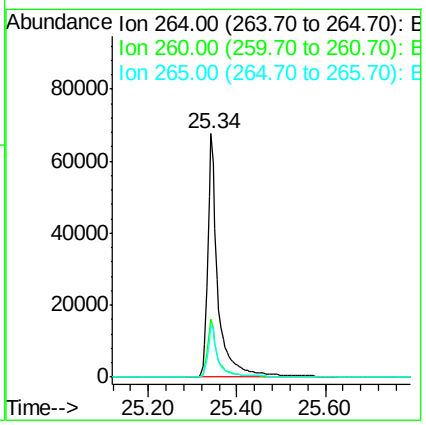
Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

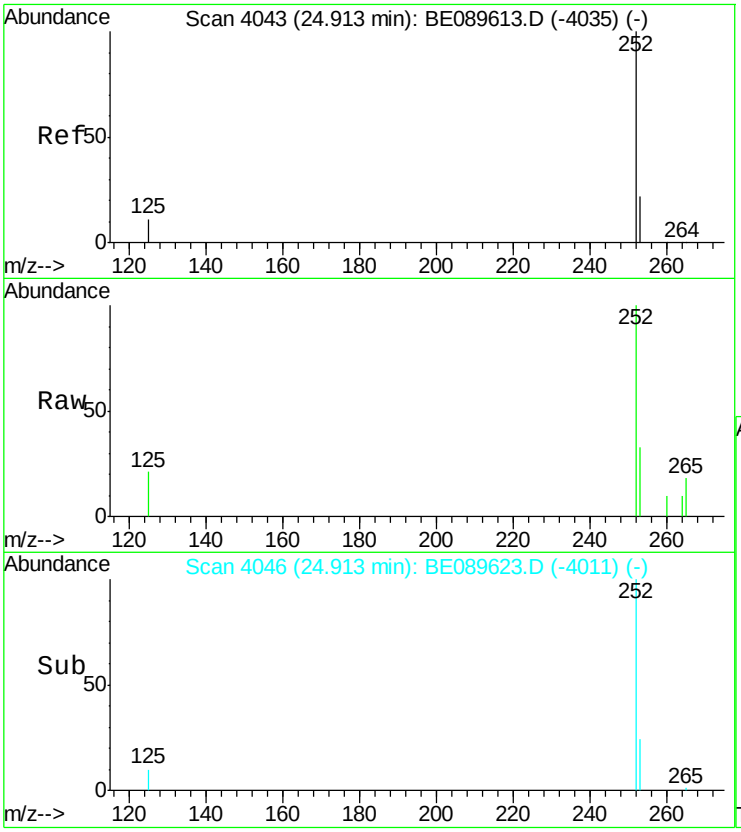


#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4140
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:264 Resp: 108987

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.2	17.4	26.0





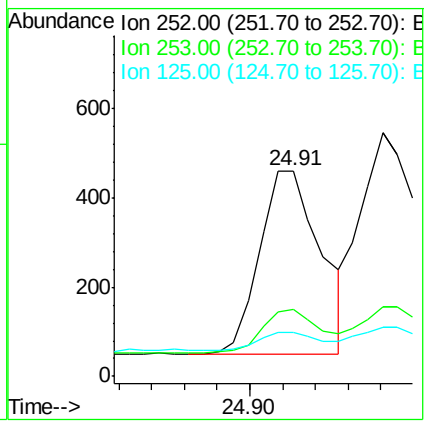
#26
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 24.91 min Scan# 4046
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

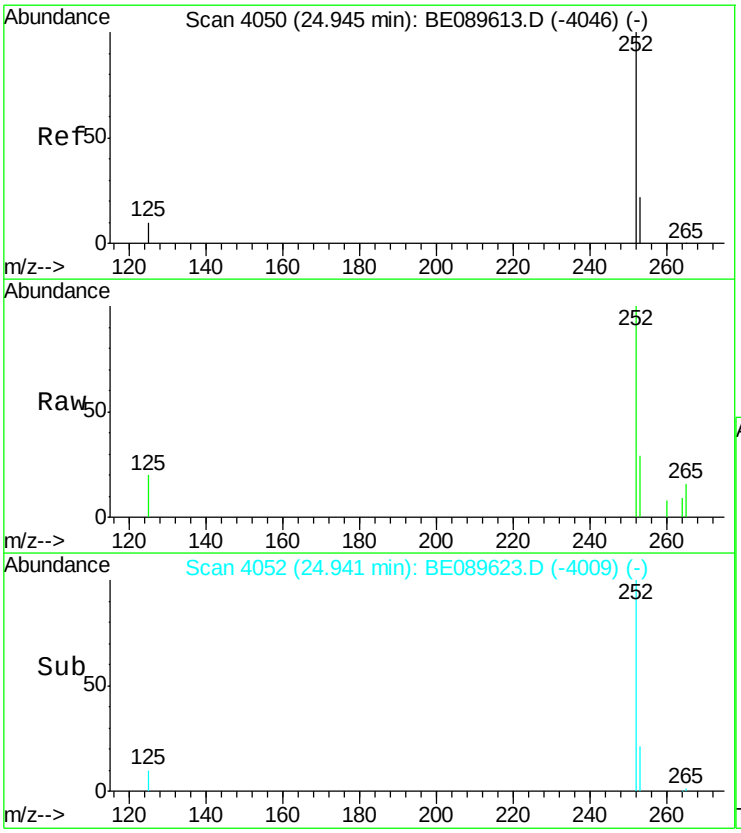
Tgt Ion:252 Resp: 535

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.6	26.4#
125	21.3	8.8	13.2#

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

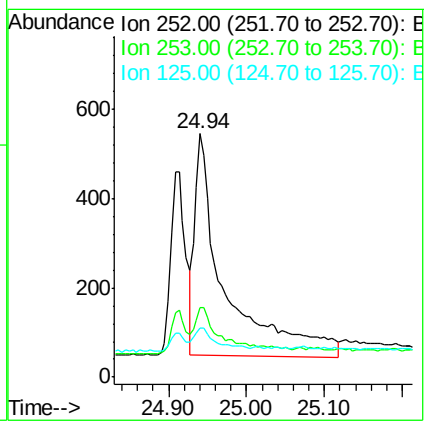


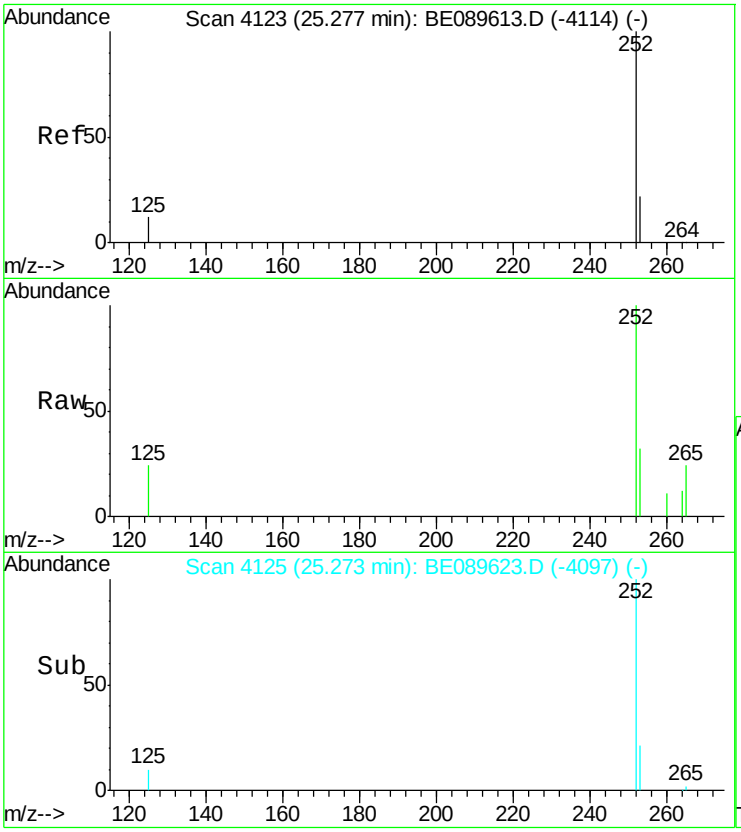


#27
Benzo(k)fluoranthene
Concen: 0.04 ng m
RT: 24.94 min Scan# 4052
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:252 Resp: 1324

Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.7	26.5#
125	20.0	8.8	13.2#





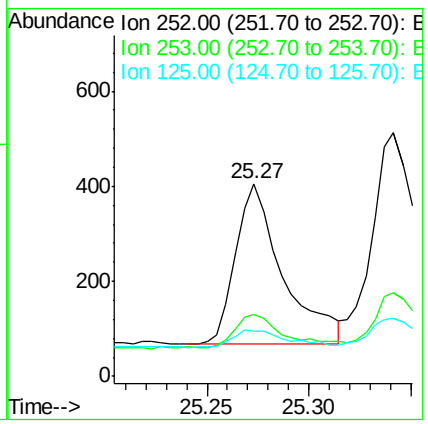
#28
Benzo(a)pyrene
Concen: 0.26 ng
RT: 25.27 min Scan# 4125
Delta R.T. -0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

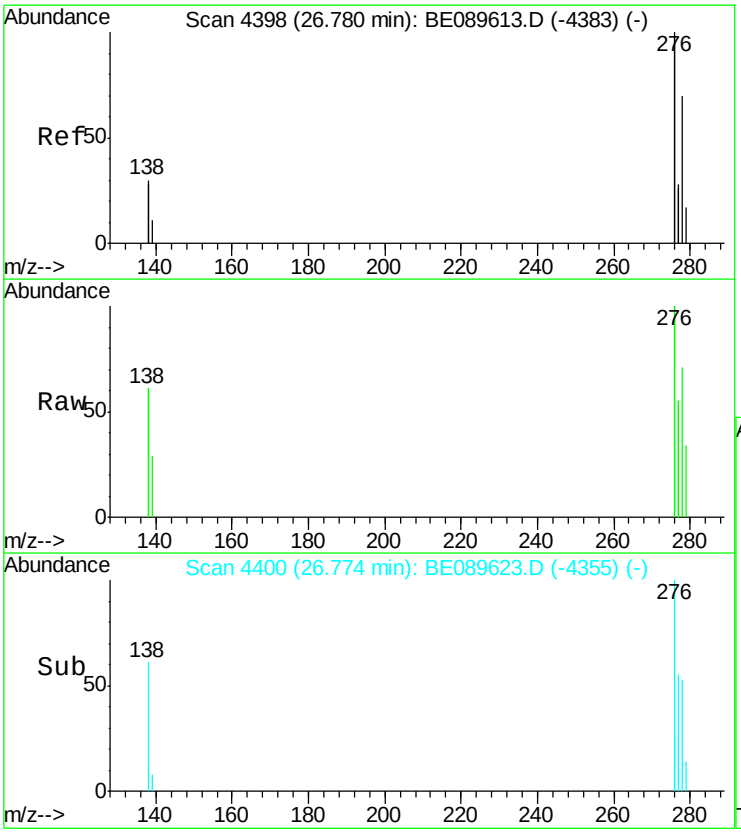
Tgt Ion:252 Resp: 540

Ion	Ratio	Lower	Upper
252	100		
253	32.1	18.1	27.1#
125	23.7	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM

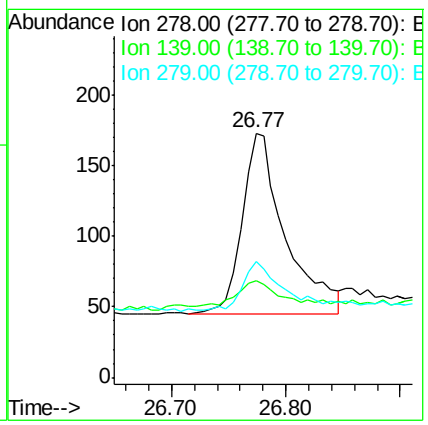


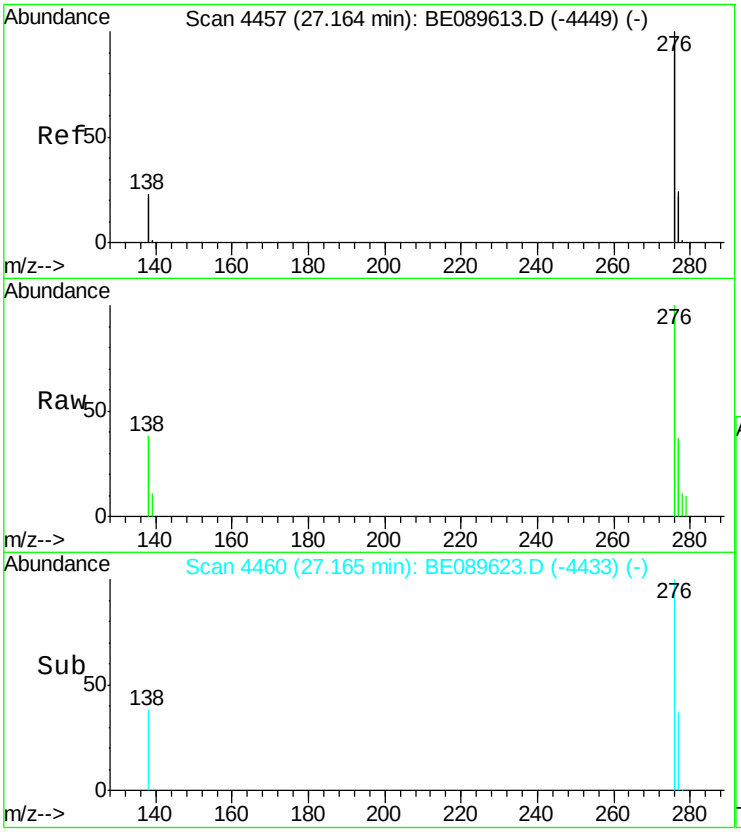


#29
Dibenzo(a,h)anthracene
Concen: 0.24 ng
RT: 26.77 min Scan# 4400
Delta R.T. -0.01 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:278 Resp: 335

Ion	Ratio	Lower	Upper
278	100		
139	39.9	13.7	20.5#
279	47.4	19.7	29.5#

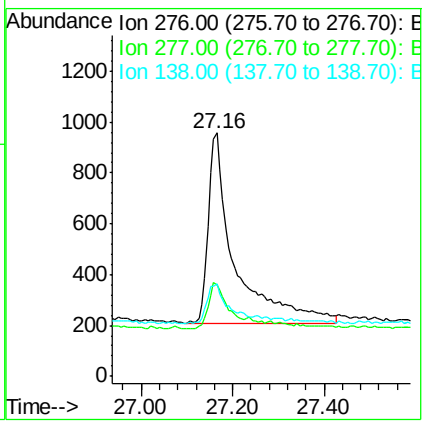




#30
Benzo(g,h,i)perylene
Concen: 0.16 ng
RT: 27.16 min Scan# 4460
Delta R.T. 0.00 min
Lab File: BE089623.D
Acq: 18 Feb 2015 18:13

Tgt Ion:276 Resp: 3023

Ion	Ratio	Lower	Upper
276	100		
277	37.4	19.1	28.7#
138	37.8	18.7	28.1#



Instrument :
BNA_E
ClientSampleId :
MDL-03-W

Manual Integrations APPROVED
apatel
2/19/2015 1:48:55 PM