Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000773.D
Acq On : 01 Apr 2015 03:11
Operator : TP/IZ
Sample : MDL-04-S
Misc : MDL-SOIL-0.1/0.2PPM
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
apatel
4/1/2015 6:17:56 PM

Quant Time: Apr 01 15:21:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 04:17:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	40555	5.00	ng		0.00
4) Naphthalene-d8	10.40	136	137793	5.00	ng		0.00
8) Acenaphthene-d10	14.28	164	67376	5.00	ng		0.00
13) Phenanthrene-d10	17.01	188	141941	5.00	ng		0.00
19) Chrysene-d12	21.21	240	118826	5.00	ng		0.00
25) Perylene-d12	23.40	264	110360	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	8.77	82	59038	7.00	ng		0.00
9) 2-Fluorobiphenyl	12.89	172	177020	8.47	ng		0.00
21) Terphenyl-d14	19.66	244	131577	9.20	ng		0.00
Target Compounds							Qvalue
6) Naphthalene	10.45	128	2116	0.07	ng	#	92
7) 2-Methylnaphthalene	12.08	142	1269	0.06	ng		97
10) Acenaphthylene	13.98	152	1619	0.05	ng		100
11) Acenaphthene	14.33	154	1261	0.06	ng		96
12) Fluorene	15.32	166	1479	0.06	ng		98
14) Hexachlorobenzene	16.33	284	563	0.07	ng	#	97
16) Phenanthrene	17.05	178	2595m	0.07	ng		
17) Anthracene	17.15	178	2105	0.06	ng		97
18) Fluoranthene	19.09	202	2412	0.06	ng		99
20) Pyrene	19.45	202	2464	0.06	ng		98
22) Benzo(a)anthracene	21.19	228	2423	0.07	ng	#	90
23) Chrysene	21.24	228	2547	0.07	ng		96
24) Indeno(1,2,3-cd)pyrene	25.59	276	2364	0.06	ng		99
26) Benzo(b)fluoranthene	22.74	252	2201	0.06	ng	#	75
27) Benzo(k)fluoranthene	22.79	252	2246	0.07	ng	#	75
28) Benzo(a)pyrene	23.30	252	1961	0.07	ng	#	68
29) Dibenzo(a,h)anthracene	25.61	278	1910	0.06	ng	#	74
30) Benzo(g,h,i)perylene	26.26	276	2191	0.07	ng	#	91

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000773.D
Acq On : 01 Apr 2015 03:11
Operator : TP/IZ
Sample : MDL-04-S
Misc : MDL-SOIL-0.1/0.2PPM
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 01 15:21:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 04:17:30 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
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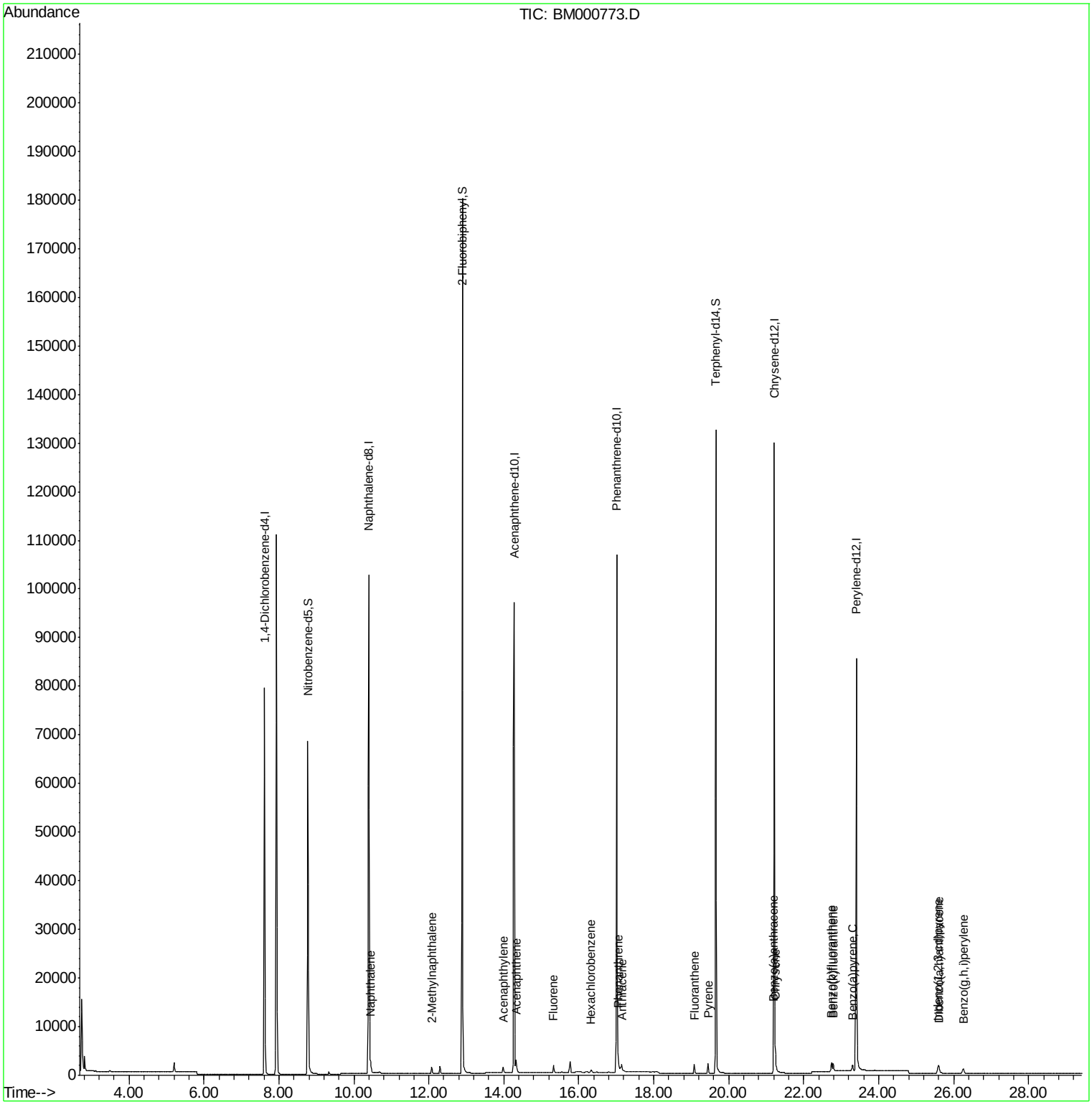
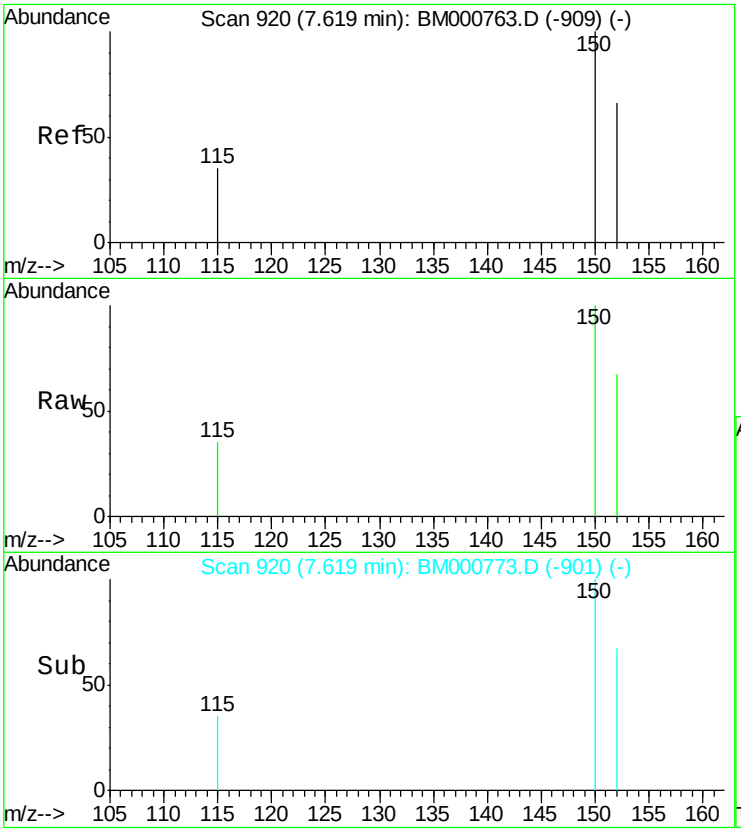
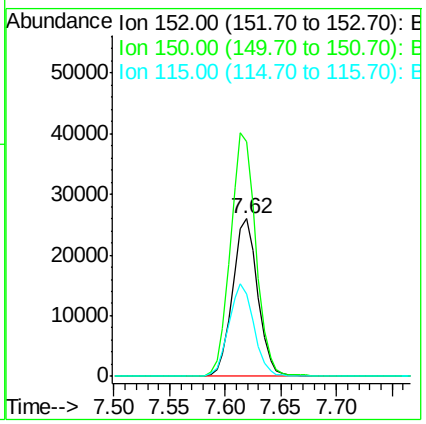




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 920
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:152 Resp: 40555

Ion	Ratio	Lower	Upper
152	100		
150	149.2	120.8	181.2
115	52.2	42.7	64.1



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
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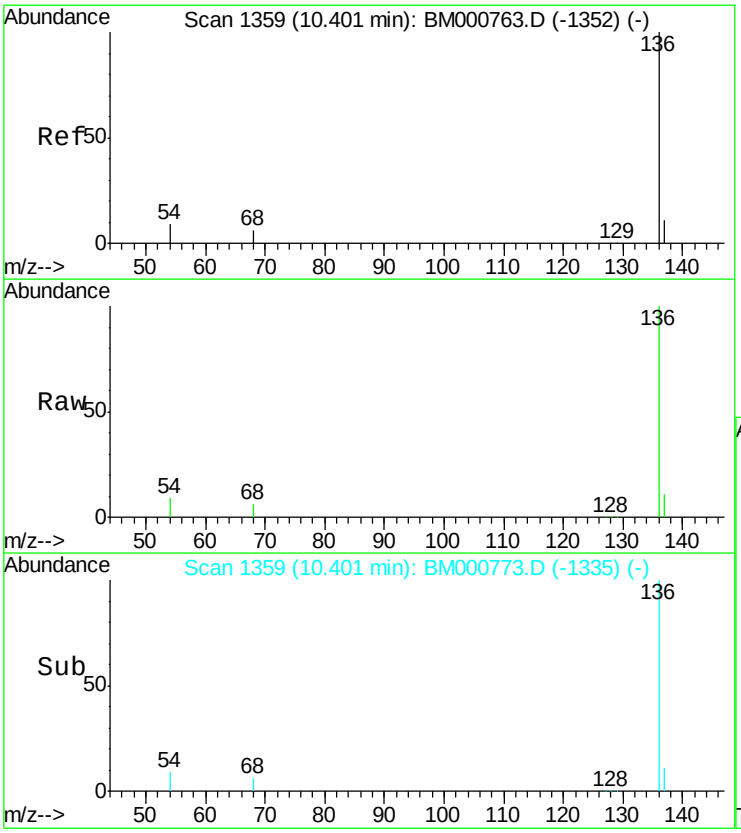
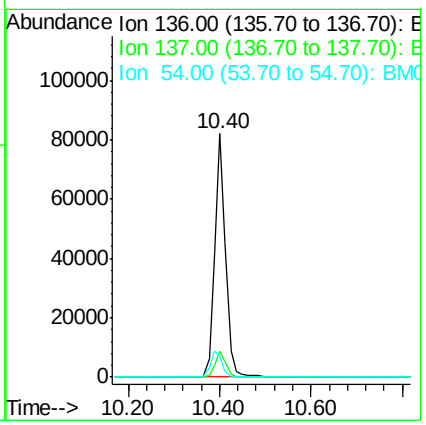
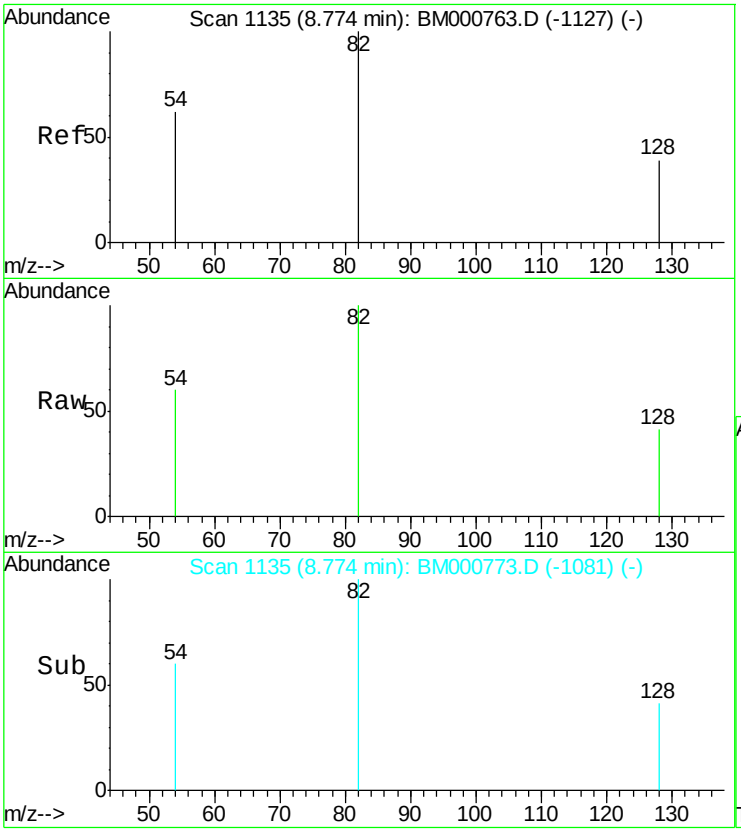


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.40 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:136 Resp: 137793

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	8.6	7.0	10.6

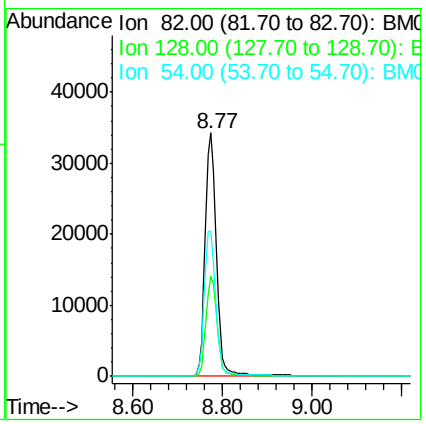




#5
Nitrobenzene-d5
Concen: 7.00 ng
RT: 8.77 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion: 82 Resp: 59038

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.2	48.2
54	59.8	50.2	75.4



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

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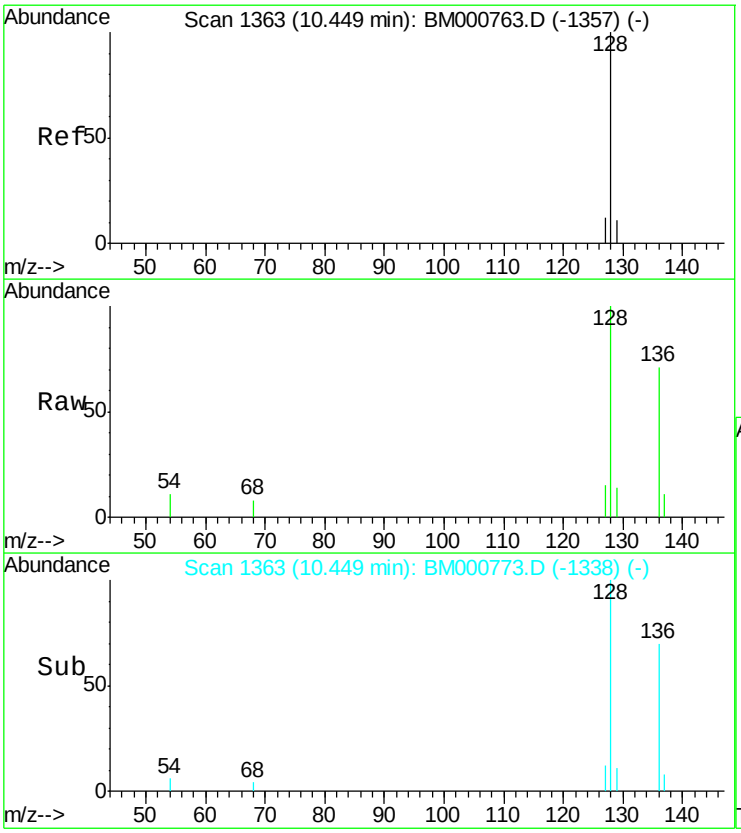
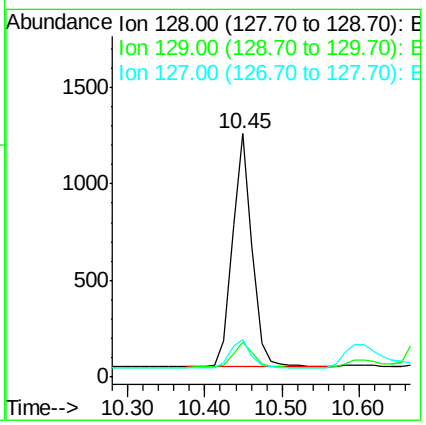
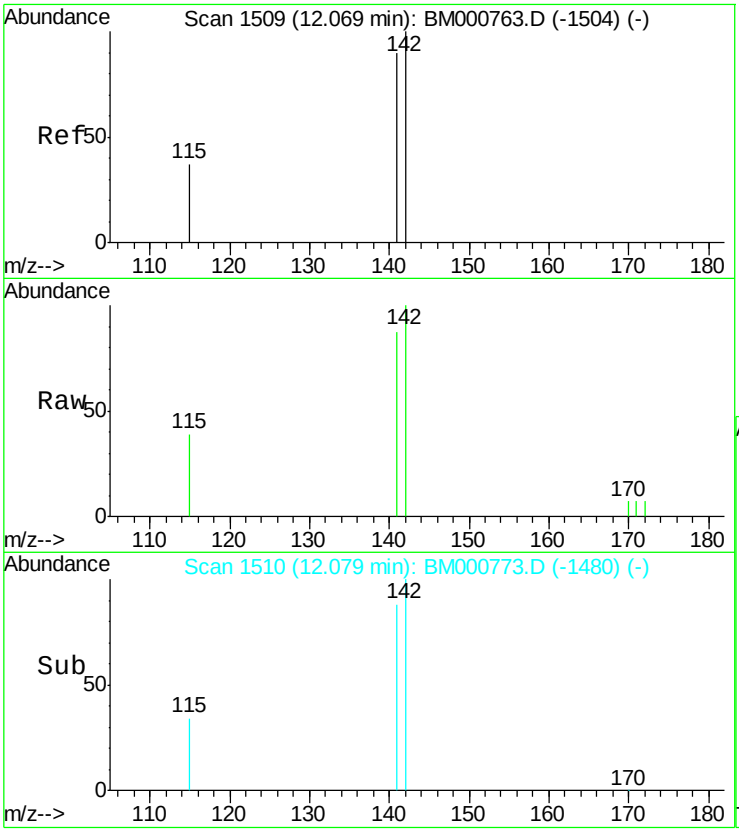


#6
Naphthalene
Concen: 0.07 ng
RT: 10.45 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:128 Resp: 2116

Ion	Ratio	Lower	Upper
128	100		
129	14.4	8.9	13.3#
127	15.5	10.0	15.0#

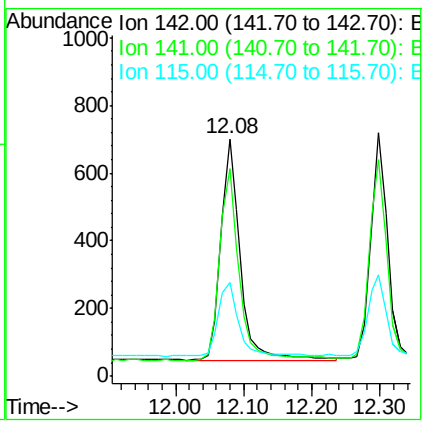




#7
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.08 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:142 Resp: 1269

Ion	Ratio	Lower	Upper
142	100		
141	87.4	72.3	108.5
115	39.4	29.5	44.3



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

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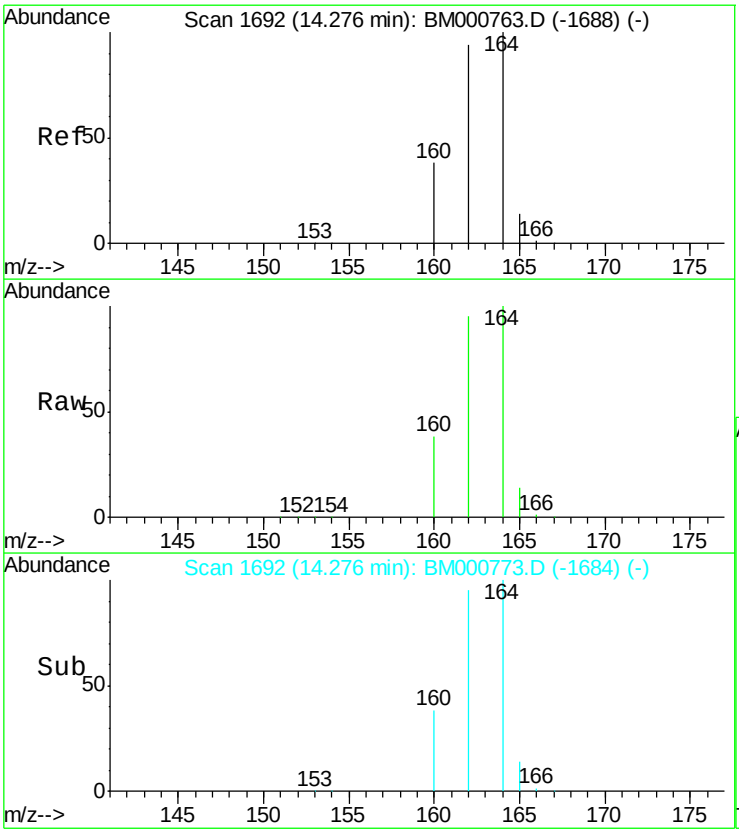
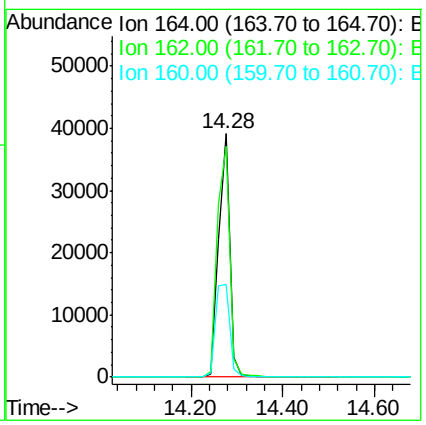
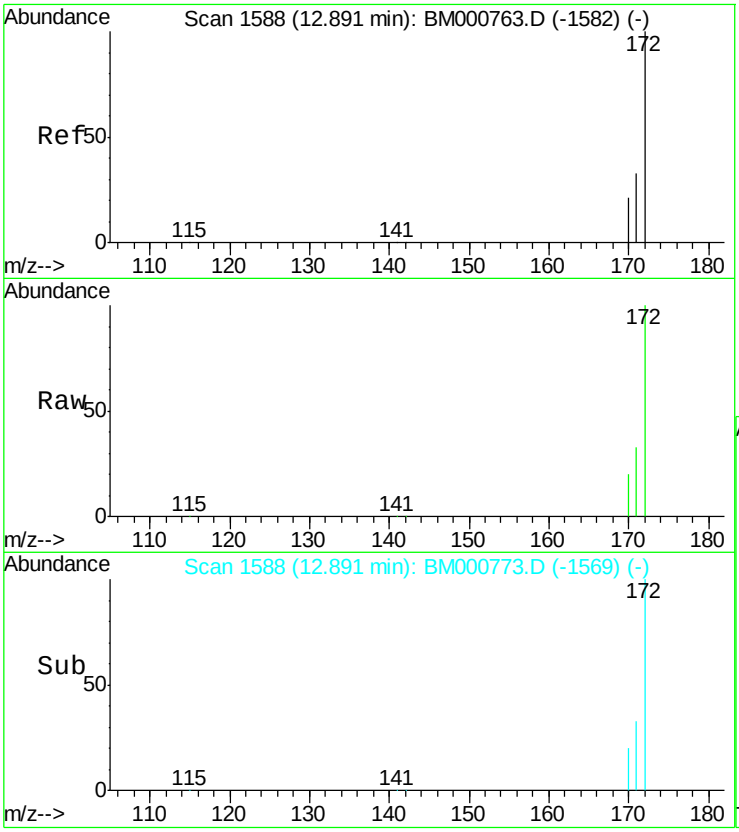


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:164 Resp: 67376

Ion	Ratio	Lower	Upper
164	100		
162	94.7	75.4	113.2
160	38.2	30.8	46.2

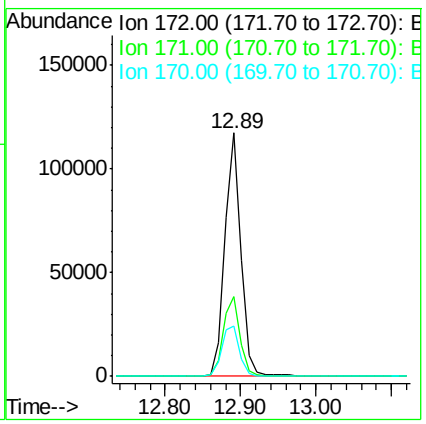




#9
2-Fluorobiphenyl
Concen: 8.47 ng
RT: 12.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:172 Resp: 177020

Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.6	39.8
170	20.5	17.1	25.7



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

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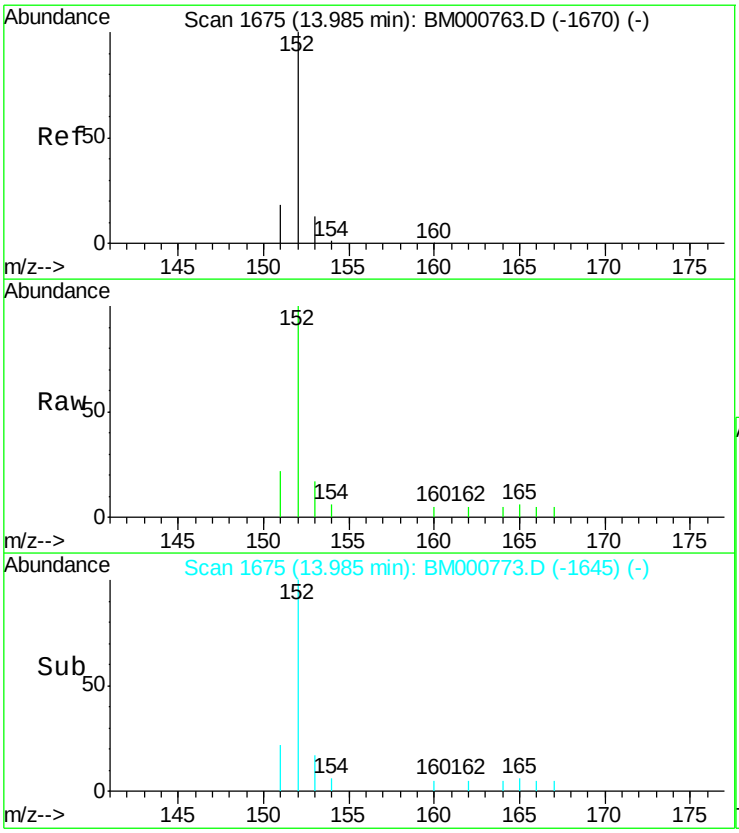
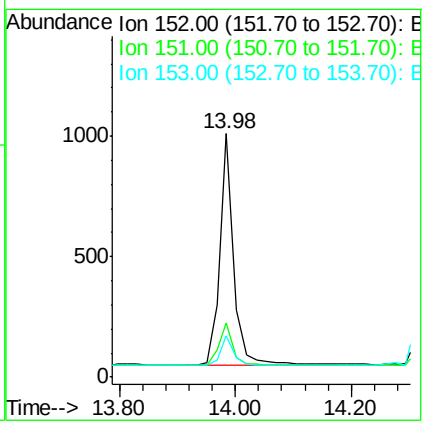
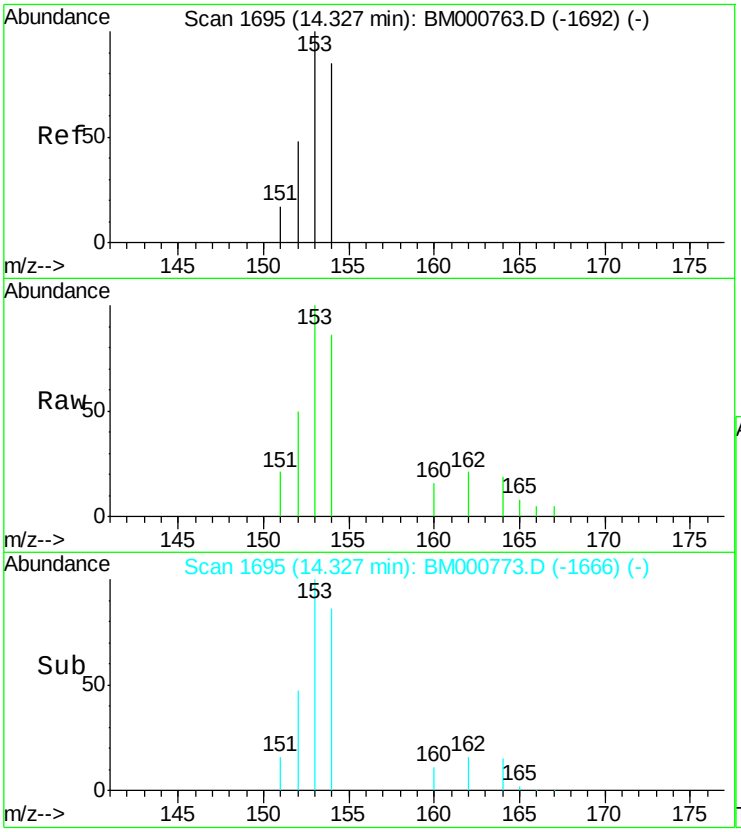


#10
Acenaphthylene
Concen: 0.05 ng
RT: 13.98 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:152 Resp: 1619

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.1	22.7
153	12.8	10.2	15.4

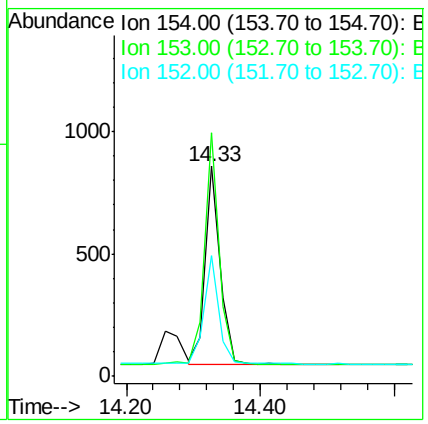




#11
Acenaphthene
Concen: 0.06 ng
RT: 14.33 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:154 Resp: 1261

Ion	Ratio	Lower	Upper
154	100		
153	114.9	87.3	130.9
152	54.9	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
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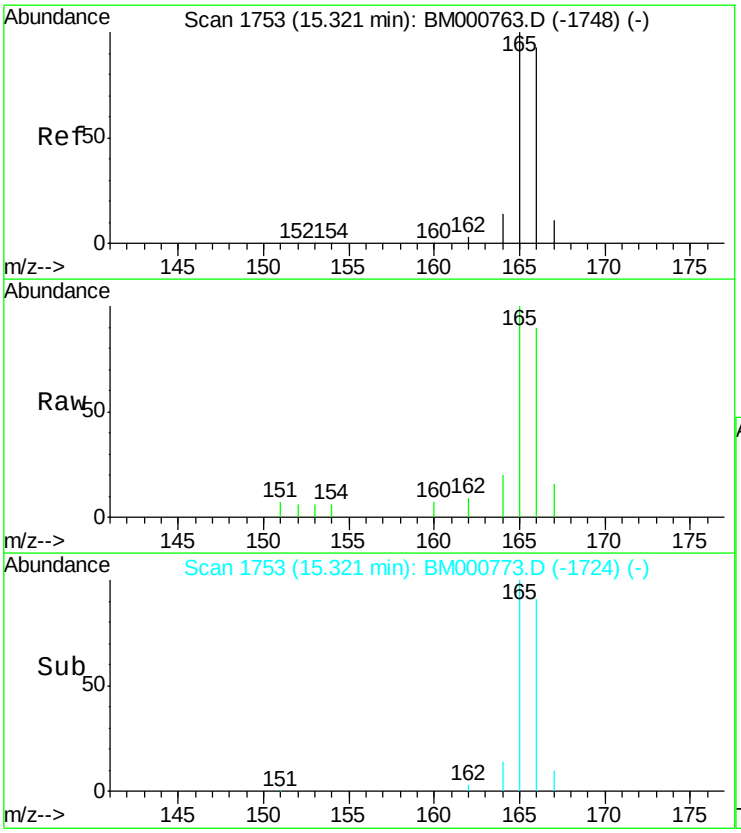
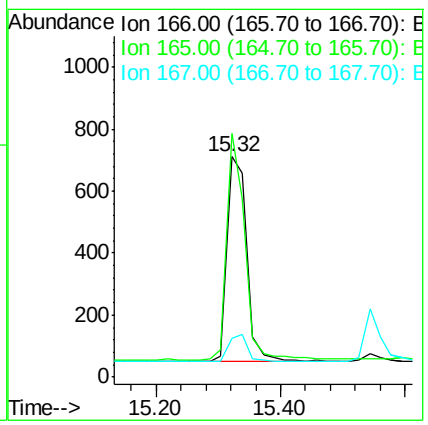
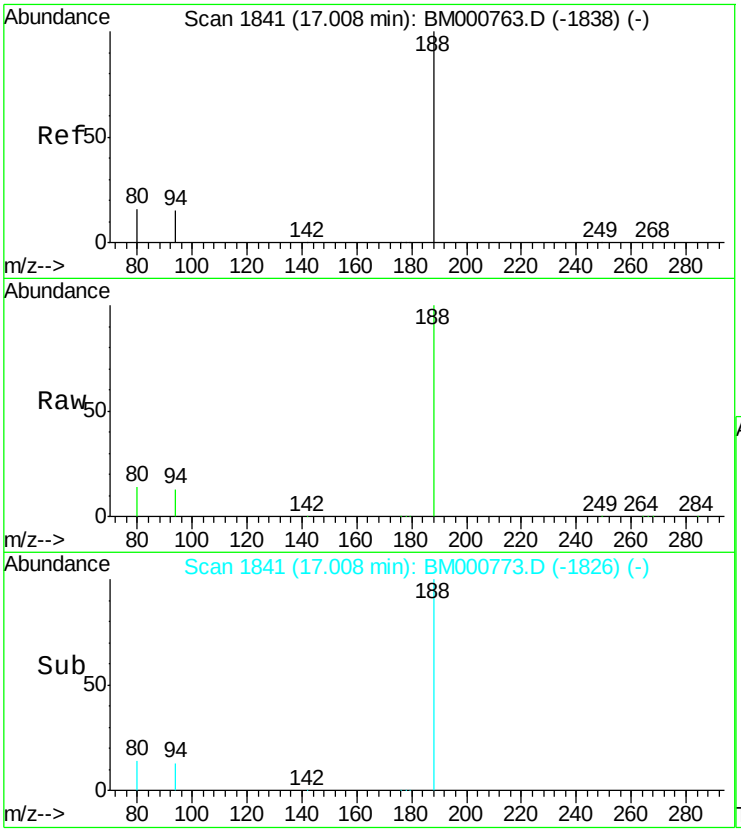


#12
Fluorene
Concen: 0.06 ng
RT: 15.32 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:166 Resp: 1479

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.2	117.2
167	13.0	10.7	16.1

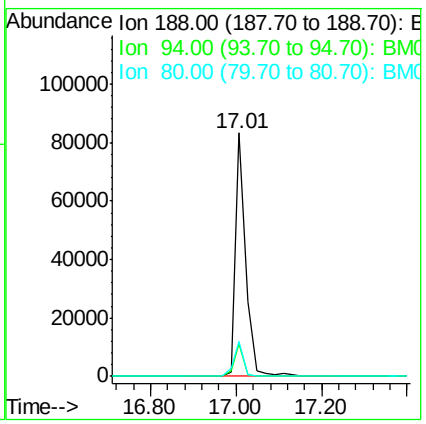




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:188 Resp: 141941

Ion	Ratio	Lower	Upper
188	100		
94	13.3	12.0	18.0
80	14.1	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
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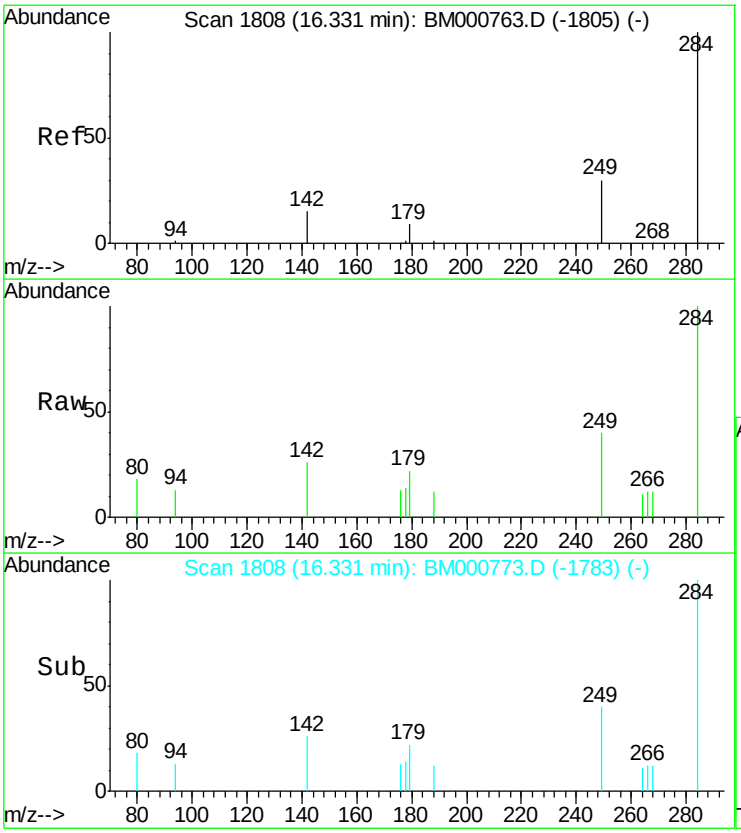
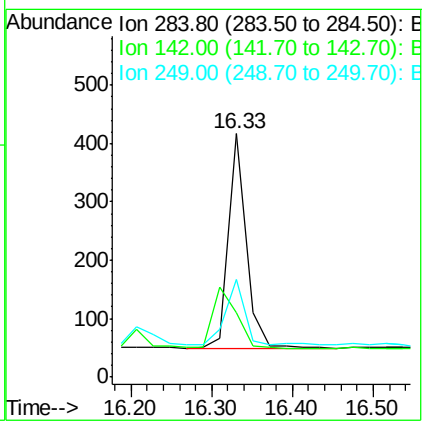
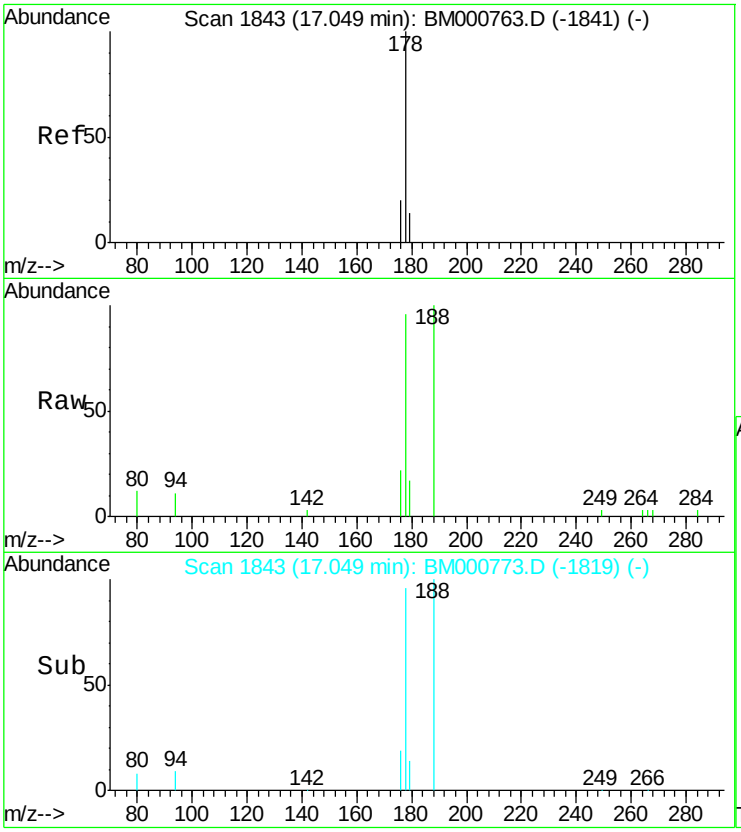


#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:284 Resp: 563

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	33.0	25.2	37.8





#16
Phenanthrene
Concen: 0.07 ng m
RT: 17.05 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:178 Resp: 2595

Ion	Ratio	Lower	Upper
178	100		
176	14.0	15.3	22.9#
179	11.5	12.2	18.2#

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
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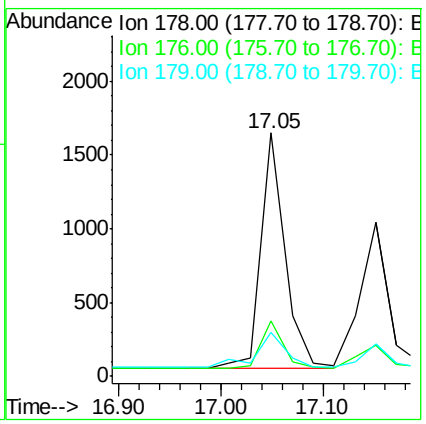
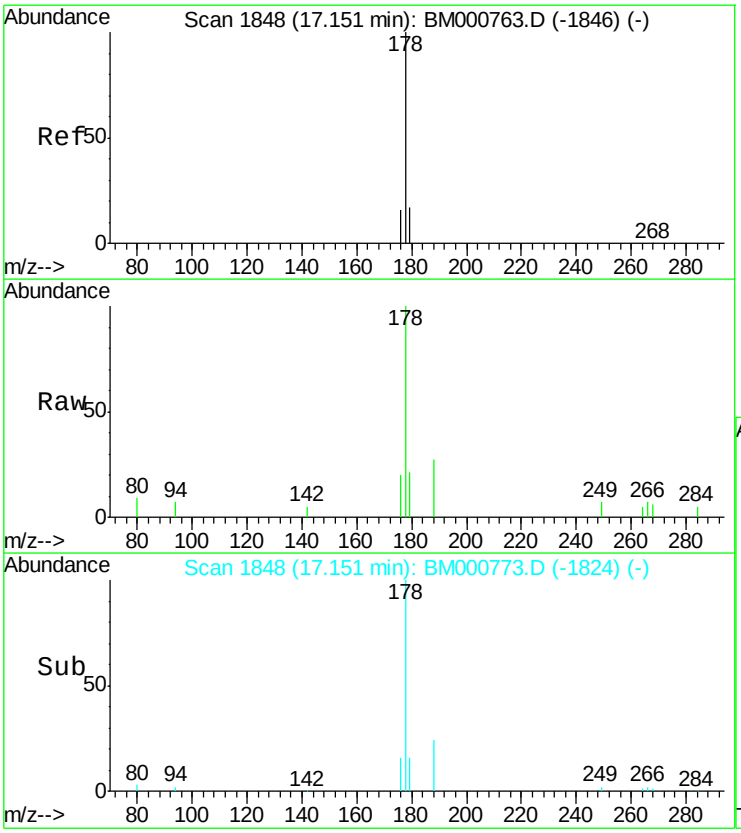
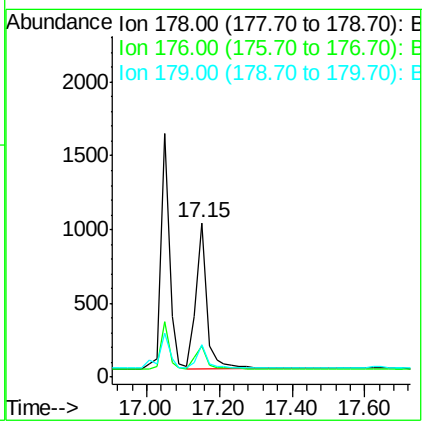


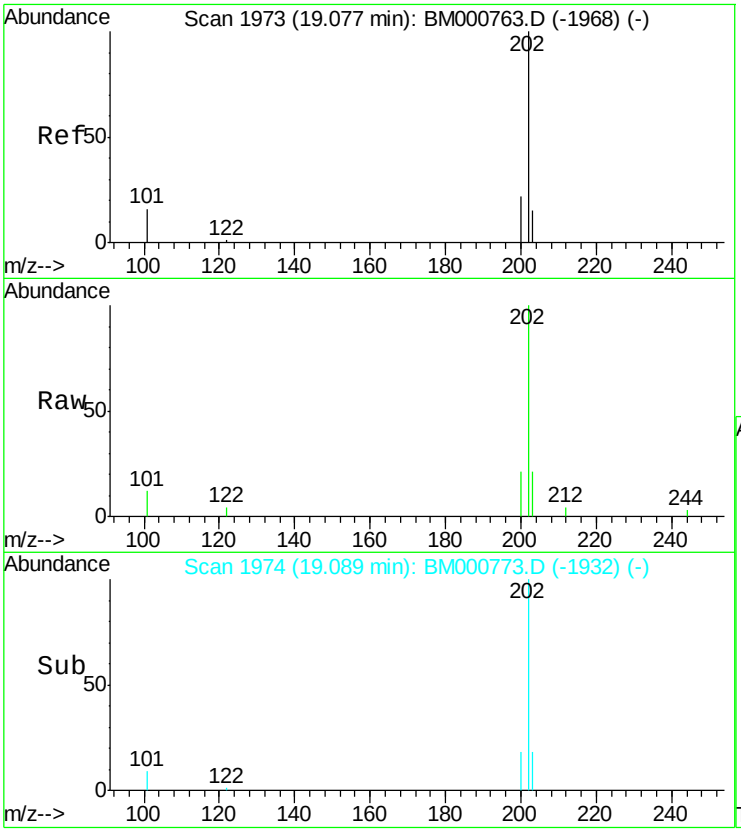


#17
Anthracene
Concen: 0.06 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:178 Resp: 2105

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.6	22.0
179	14.2	12.2	18.4





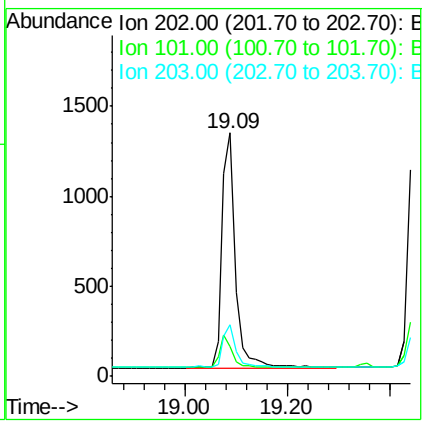
#18
Fluoranthene
Concen: 0.06 ng
RT: 19.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

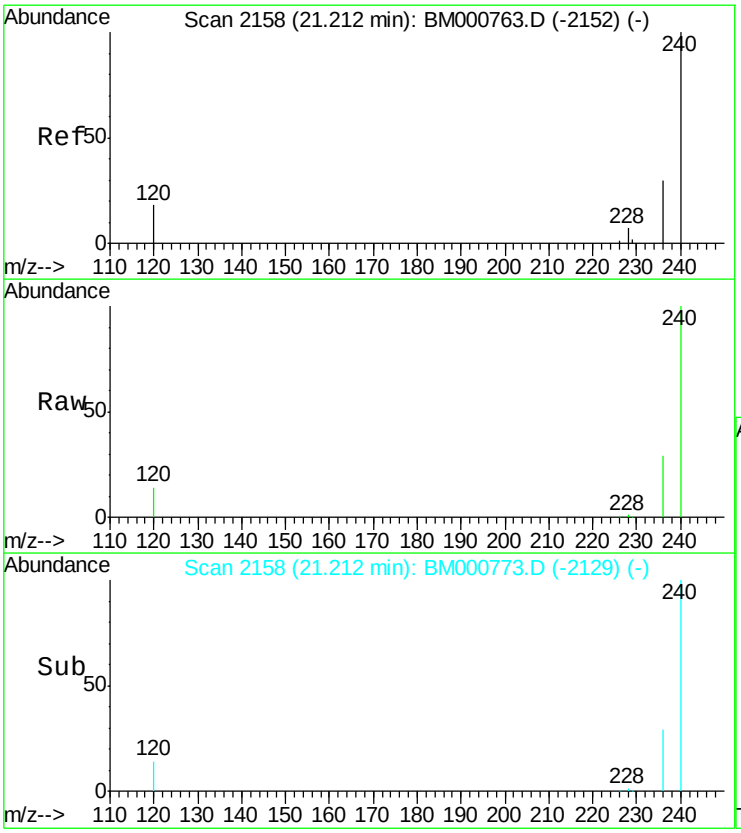
Tgt Ion:202 Resp: 2412

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.5	15.7
203	17.7	13.8	20.8

Instrument :
BNA_M
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
apatel
4/1/2015 6:17:56 PM

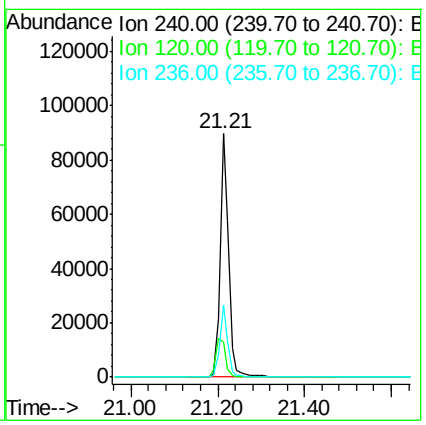


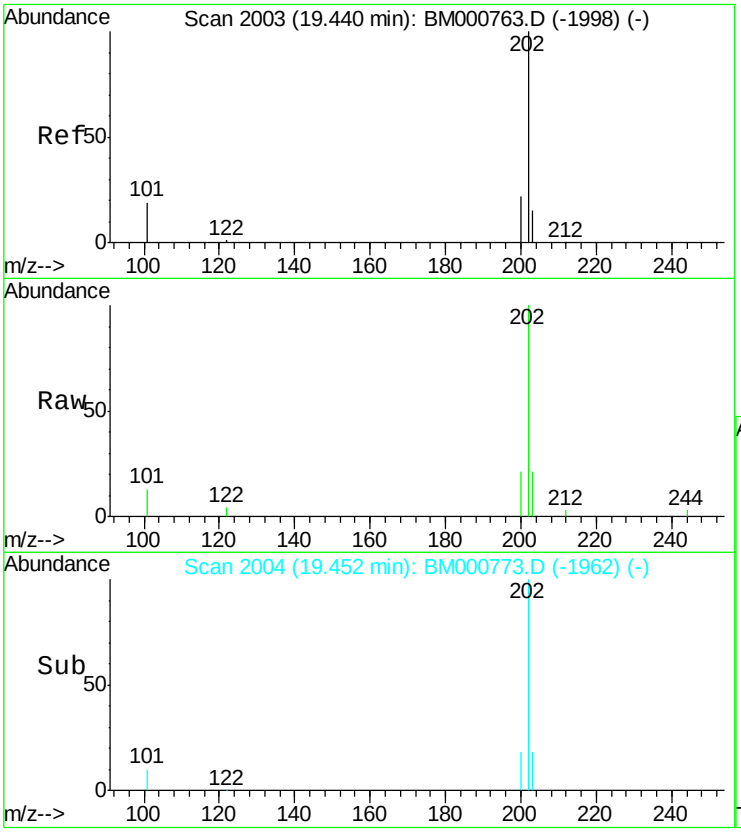


#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:240 Resp: 118826

Ion	Ratio	Lower	Upper
240	100		
120	14.4	14.9	22.3#
236	29.4	24.2	36.4

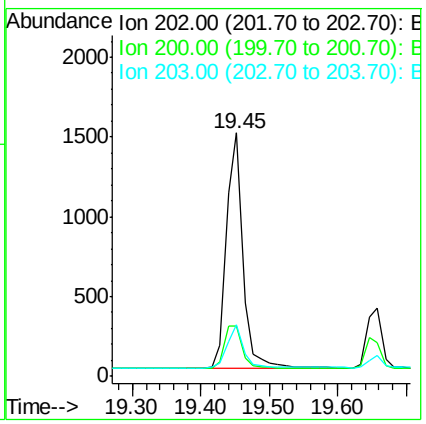




#20
Pyrene
Concen: 0.06 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:202 Resp: 2464

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.2	24.2
203	18.4	13.9	20.9



Instrument :
BNA_M
ClientSampleId :
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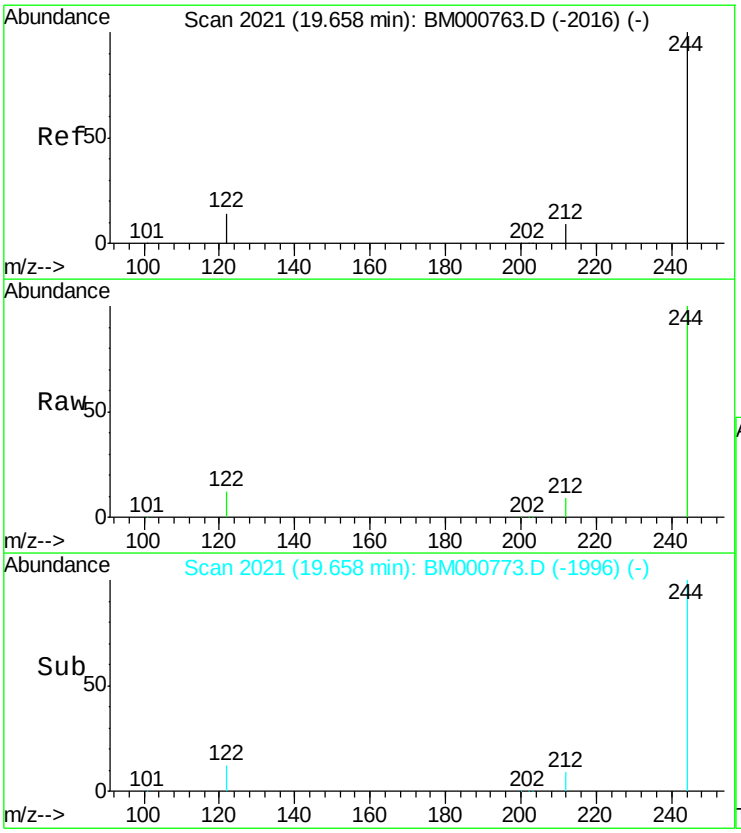
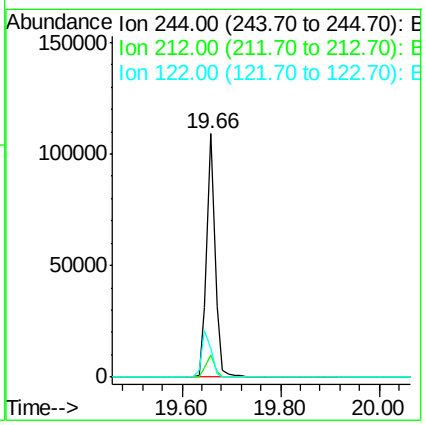
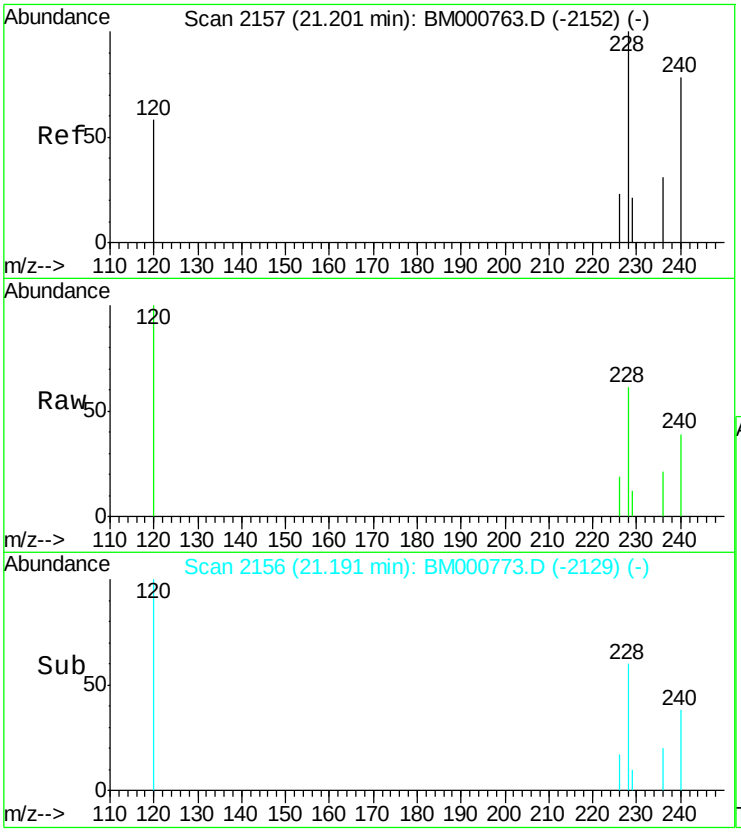


#21
Terphenyl-d14
Concen: 9.20 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:244 Resp: 131577

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.8	11.6
122	11.7	11.8	17.8#





#22
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.19 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:228 Resp: 2423

Ion	Ratio	Lower	Upper
228	100		
226	31.2	18.6	27.8#
229	19.9	17.2	25.8

Instrument :
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ClientSampleId :
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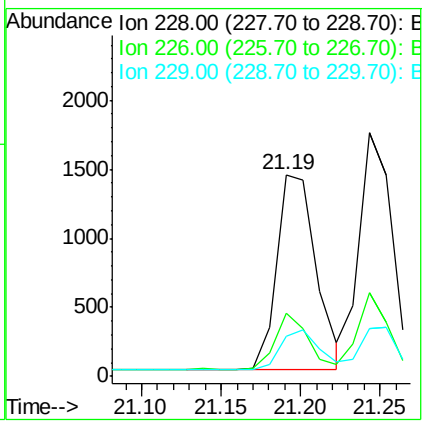
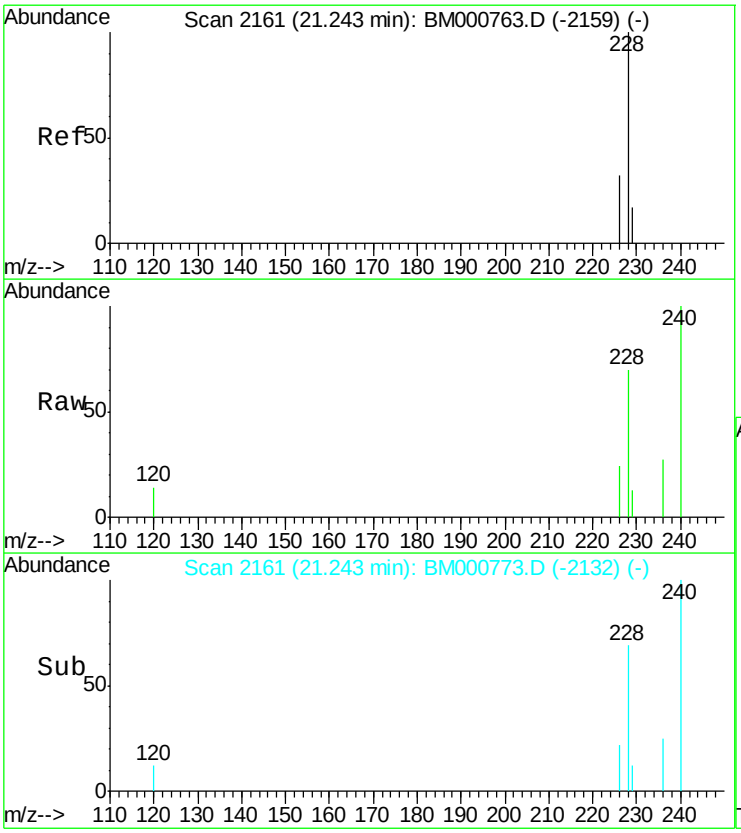
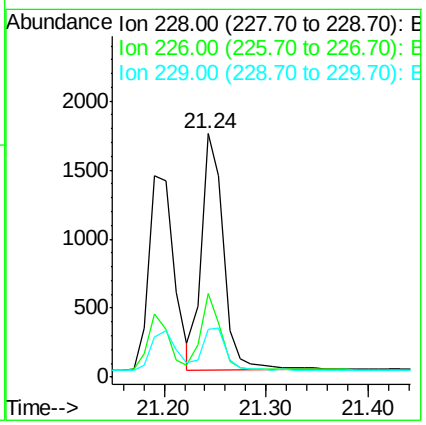


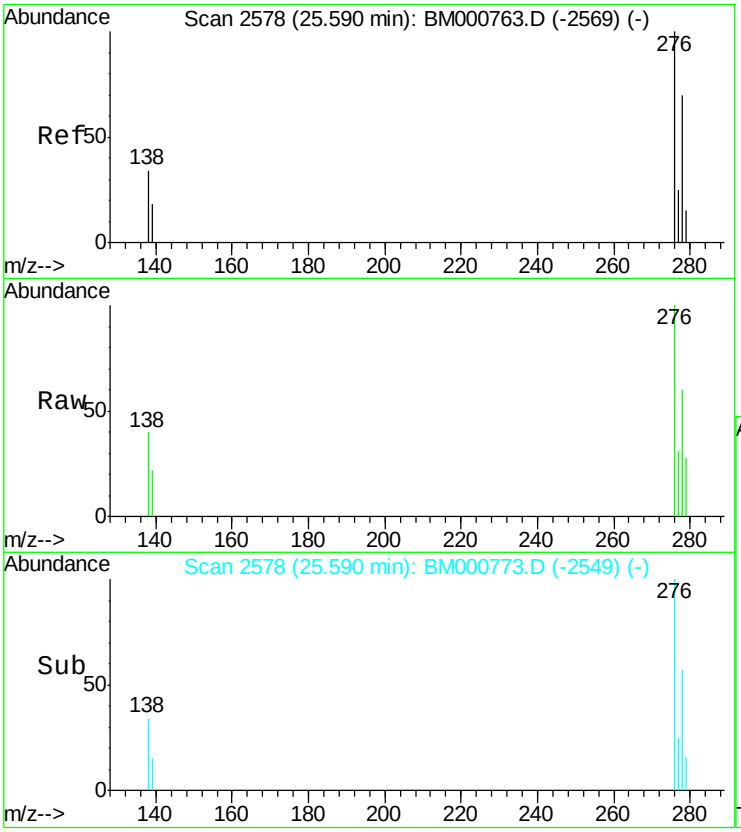


#23
Chrysene
Concen: 0.07 ng
RT: 21.24 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:228 Resp: 2547

Ion	Ratio	Lower	Upper
228	100		
226	34.3	25.8	38.8
229	19.4	13.8	20.6

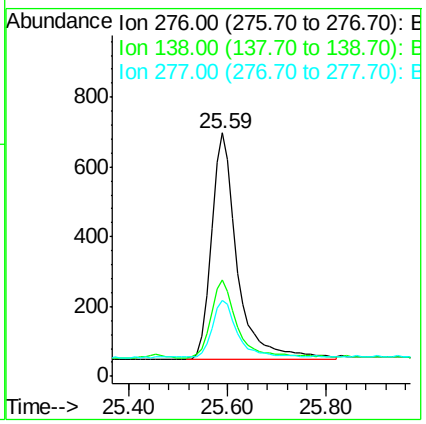




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.06 ng
RT: 25.59 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:276 Resp: 2364

Ion	Ratio	Lower	Upper
276	100		
138	35.1	27.4	41.2
277	24.6	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
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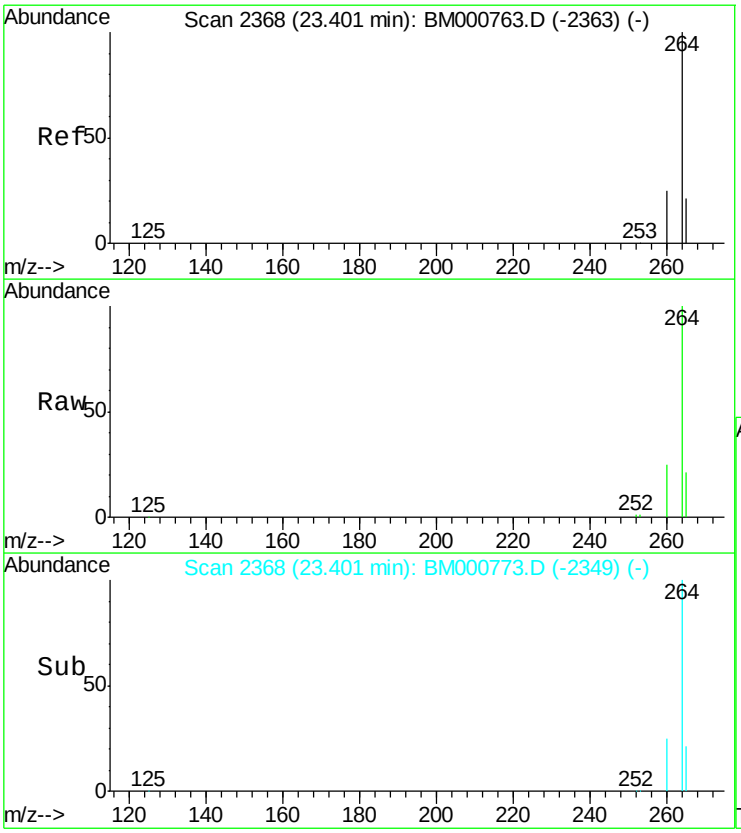
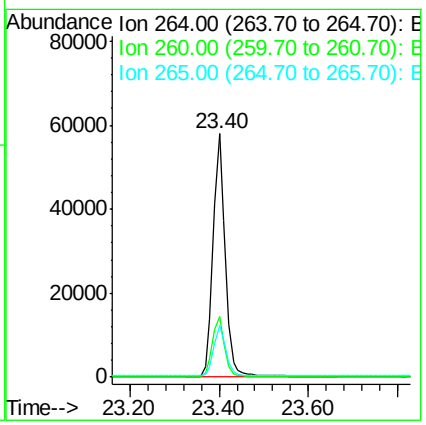
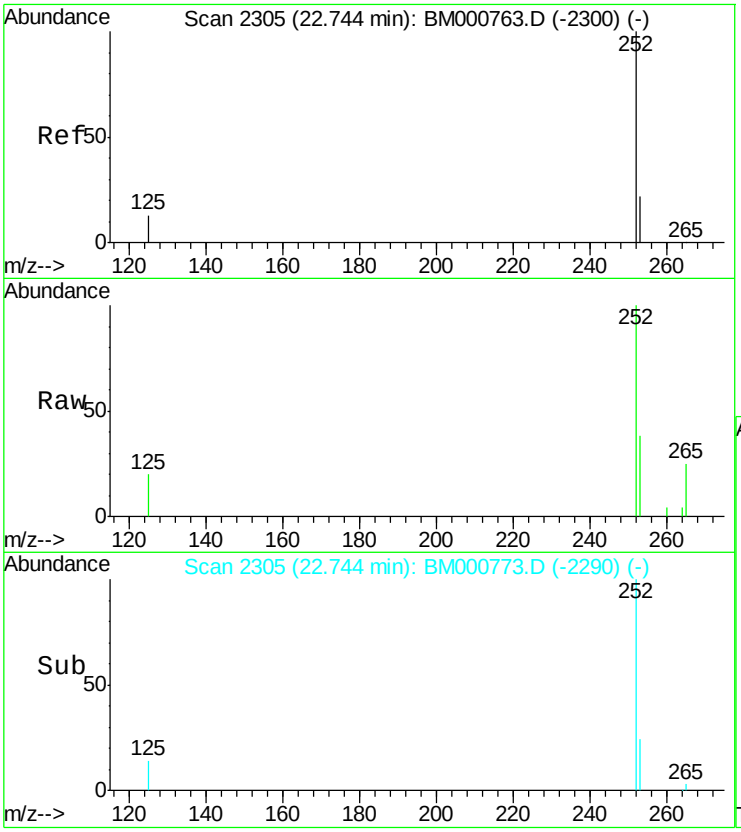


#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:264 Resp: 110360

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	21.4	17.4	26.0





#26
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:252 Resp: 2201

Ion	Ratio	Lower	Upper
252	100		
253	37.8	18.5	27.7#
125	19.9	10.6	16.0#

Instrument :
BNA_M
ClientSampleId :
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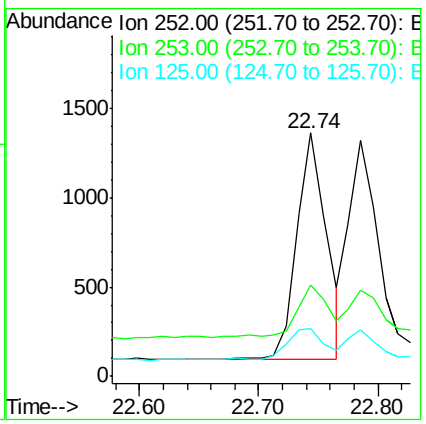
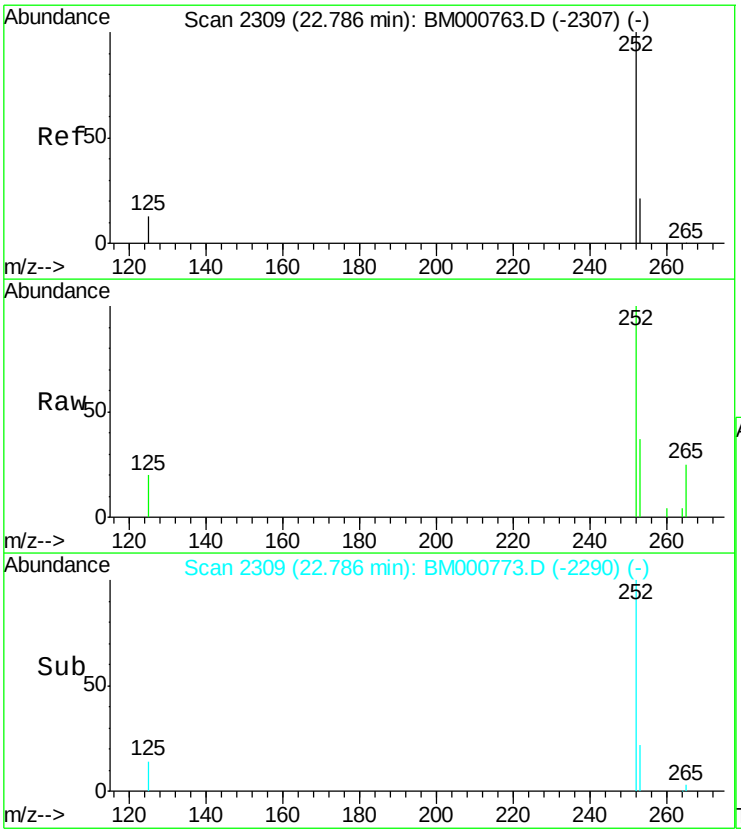
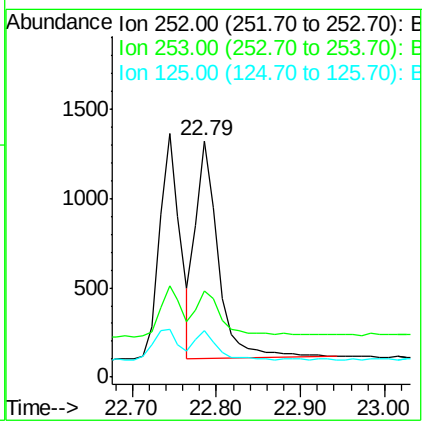


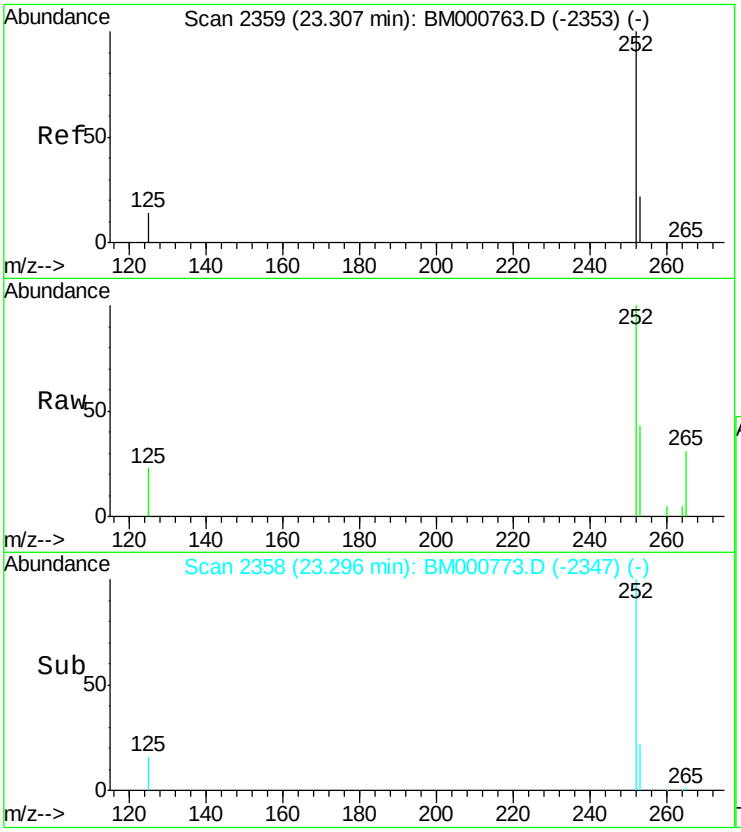


#27
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:252 Resp: 2246

Ion	Ratio	Lower	Upper
252	100		
253	36.7	17.9	26.9#
125	19.9	10.8	16.2#





#28
Benzo(a)pyrene
Concen: 0.07 ng
RT: 23.30 min Scan# 2358
Delta R.T. -0.01 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:252 Resp: 1961

Ion	Ratio	Lower	Upper
252	100		
253	42.8	19.4	29.2#
125	23.4	11.5	17.3#

Instrument :
BNA_M
ClientSampleId :
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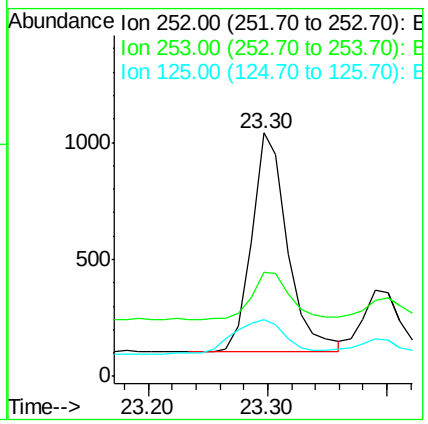
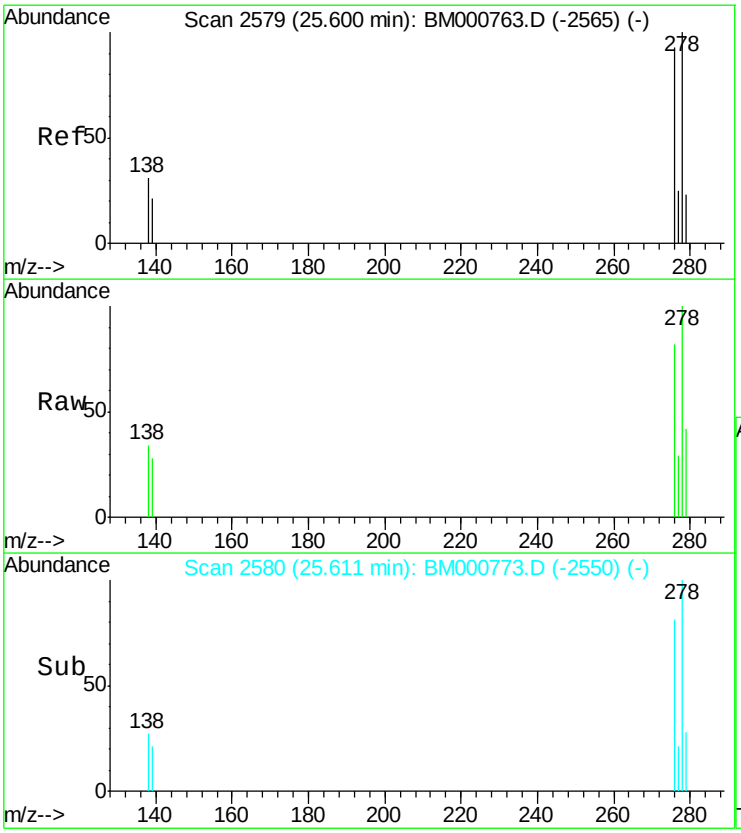
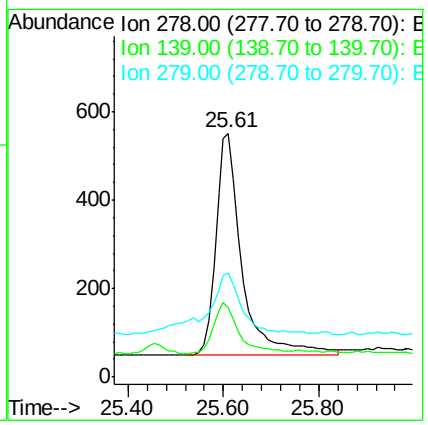


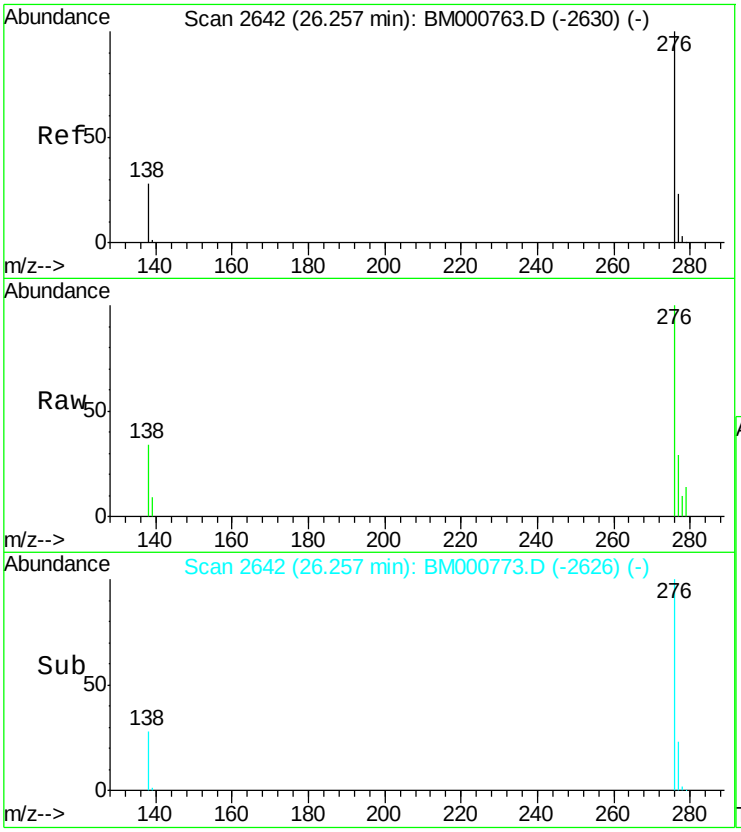


#29
Dibenzo(a,h)anthracene
Concen: 0.06 ng
RT: 25.61 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:278 Resp: 1910

Ion	Ratio	Lower	Upper
278	100		
139	28.5	17.8	26.6#
279	42.5	19.3	28.9#

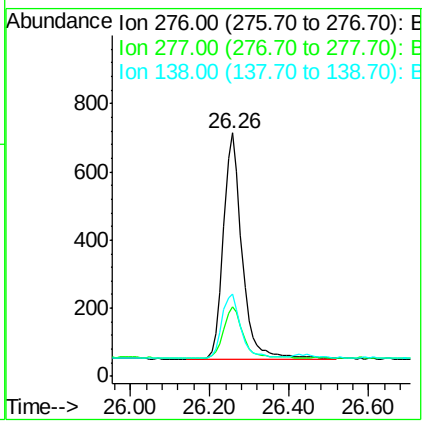




#30
Benzo(g,h,i)perylene
Concen: 0.07 ng
RT: 26.26 min Scan# 2642
Delta R.T. 0.00 min
Lab File: BM000773.D
Acq: 01 Apr 2015 03:11

Tgt Ion:276 Resp: 2191

Ion	Ratio	Lower	Upper
276	100		
277	28.7	19.1	28.7#
138	33.8	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
MDL-04-S

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