

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080915\
 Data File : BM002307.D
 Acq On : 09 Aug 2015 10:18
 Operator : TP/UM
 Sample : G3161-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Manual Integrations
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MMDadoda
 8/10/2015 7:28:31 PM

Quant Time: Aug 10 05:55:40 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 05:35:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	301100	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	1454849	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	765014	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1519416	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1185274	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1050123	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	2317940	29.25	ng/ul	0.00
10) Fluorene-d10	16.47	176	1515288	27.49	ng/ul	0.00
14) Anthracene-d10	18.31	188	2157045	29.26	ng/ul	0.00
18) Pyrene-d10	20.53	212	1976596	34.38	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.83	264	1629860	29.23	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.85	128	577342	7.54	ng/ul	Ovalue 100
4) 2-Methylnaphthalene	13.39	142	196877	3.60	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	152456	2.83	ng/ul	97
9) Acenaphthene	15.56	153	473578	8.56	ng/ul	98
11) Fluorene	16.53	166	550939	8.84	ng/ul	98
13) Phenanthrene	18.26	178	6902382	78.93	ng/ul	97
15) Anthracene	18.34	178	1852173	20.51	ng/ul	100
16) Fluoranthene	20.20	202	6920669	71.47	ng/ul#	92
19) Pyrene	20.56	202	5628182	73.45	ng/ul	96
20) Benzo(a)anthracene	22.28	228	2346126	32.43	ng/ul	99
21) Chrysene	22.34	228	2121434	30.94	ng/ul	97
23) Benzo(b)fluoranthene	24.17	252	2452462	37.57	ng/ul	98
24) Benzo(k)fluoranthene	24.21	252	805289m	12.85	ng/ul	
26) Benzo(a)pyrene	24.89	252	1693747	27.12	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.85	276	1144512	15.99	ng/ul	94
28) Dibenzo(a,h)anthracene	27.86	278	275122	4.54	ng/ul#	77
29) Benzo(g,h,i)perylene	28.74	276	1143133	18.93	ng/ul	98

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

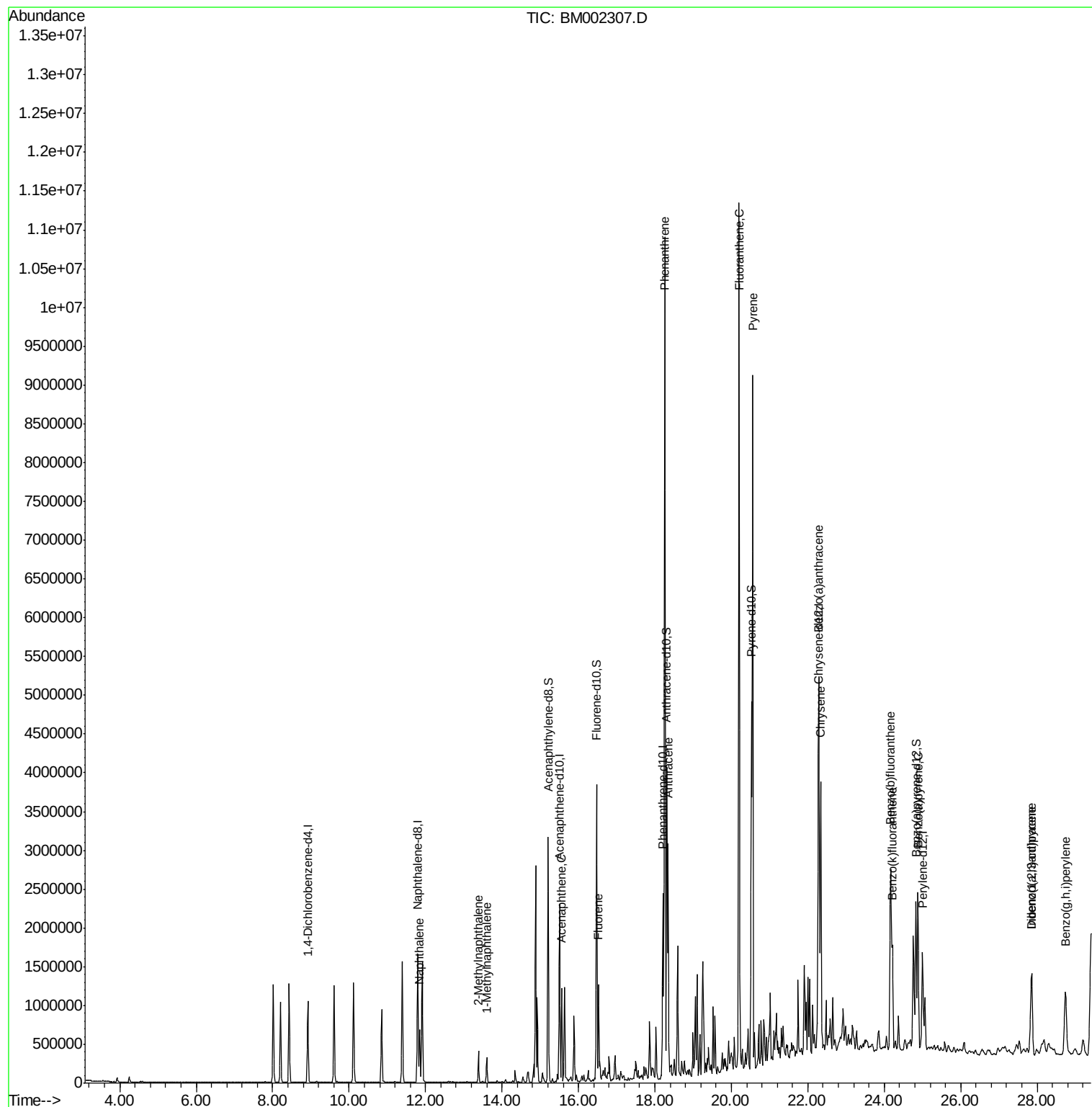
Data Path : Z:\HPCHEM1\BNA M\DATA\BM080915\
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Misc :
ALS Vial : 35 Sample Multiplier: 1

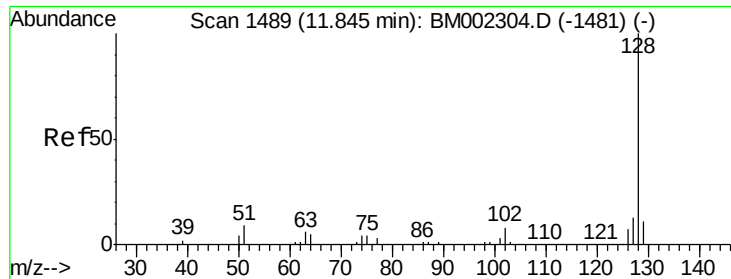
Instrument :
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ClientSampleId :
D9C57

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Quant Time: Aug 10 05:55:40 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 05:35:03 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 7.54 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

Instrument :

BNA_M

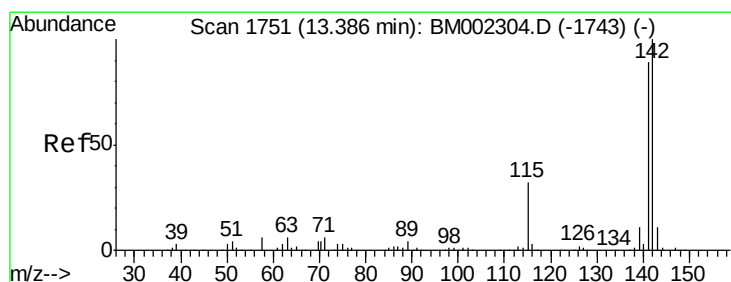
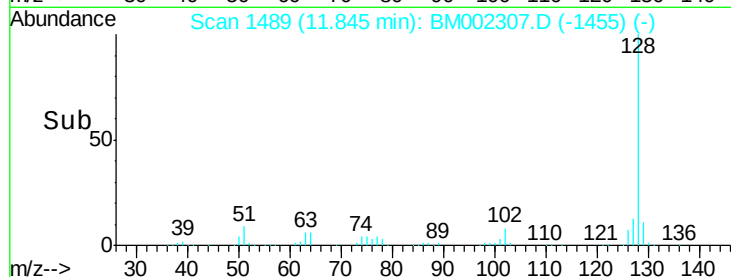
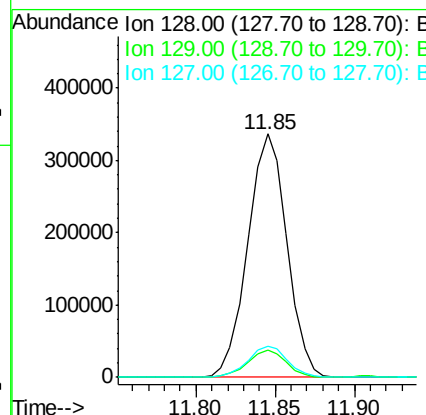
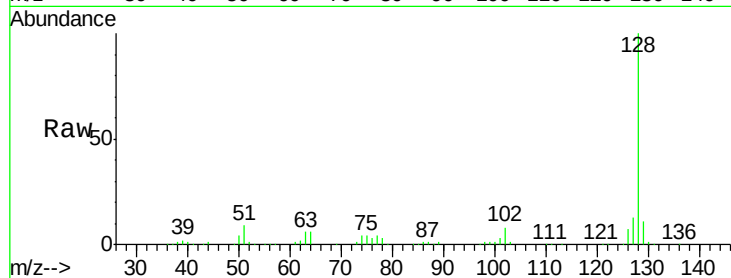
ClientSampleId :

D9C57

Tot Ion:	128	Resp:	577342
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	12.9	10.4	15.6

Manual Integrations
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#4

2-Methylnaphthalene

Concen: 3.60 ng/ul

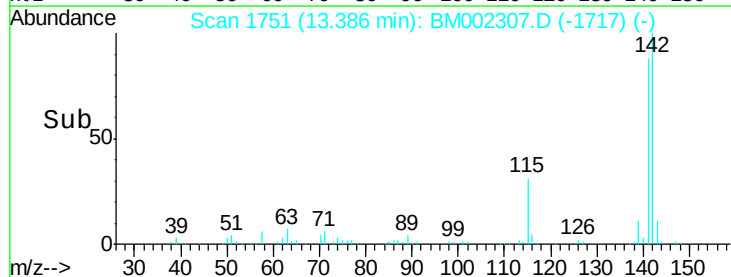
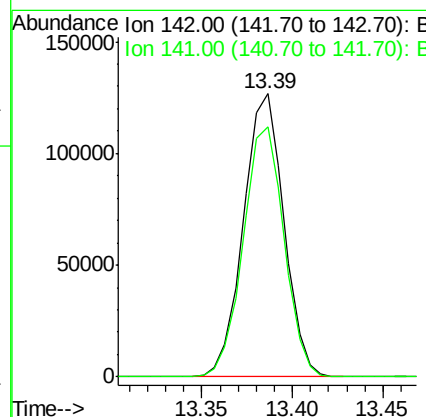
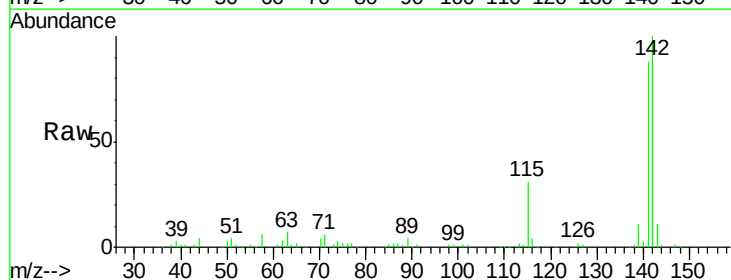
RT: 13.39 min Scan# 1751

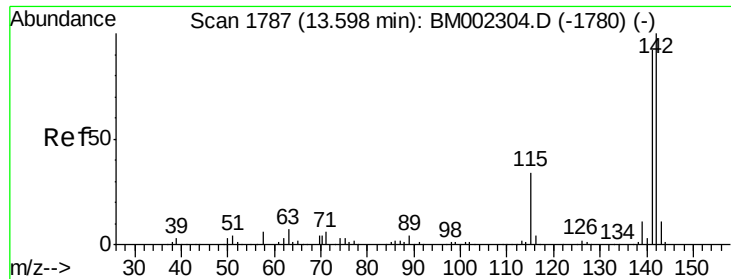
Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

Tgt Ion:	142	Resp:	196877
Ion Ratio	Lower	Upper	
142	100		
141	88.4	72.5	108.7





#5

1-Methylnaphthalene

Concen: 2.83 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

Instrument :

BNA_M

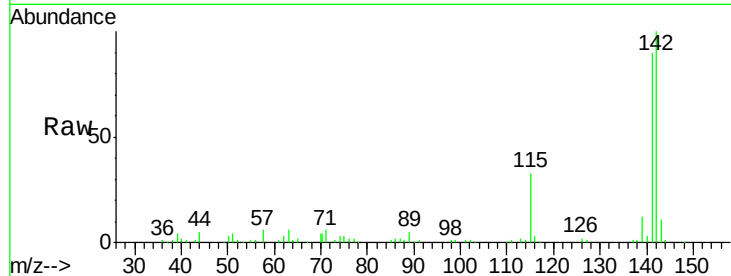
ClientSampleId :

D9C57

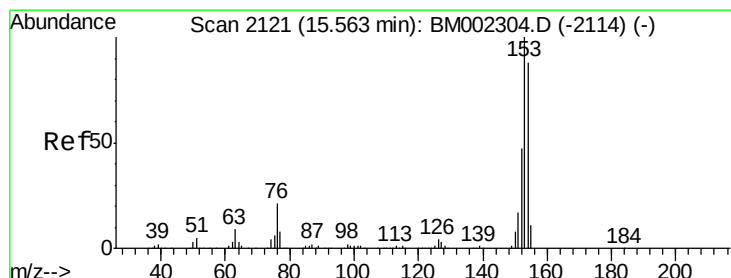
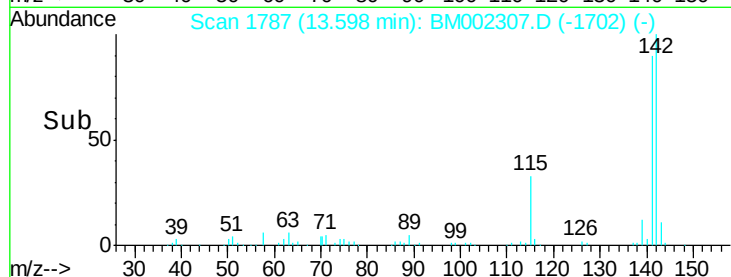
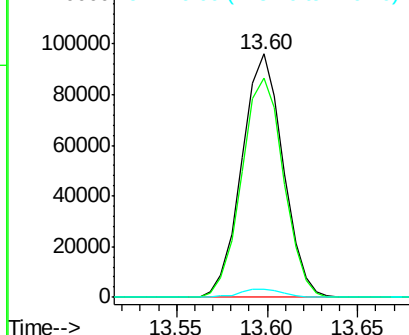
Tot Ion:	142	Resp:	152456
Ion Ratio	Lower	Upper	
142	100		
141	90.0	74.5	111.7
116	3.4	3.0	4.4

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#9

Acenaphthene

Concen: 8.56 ng/ul

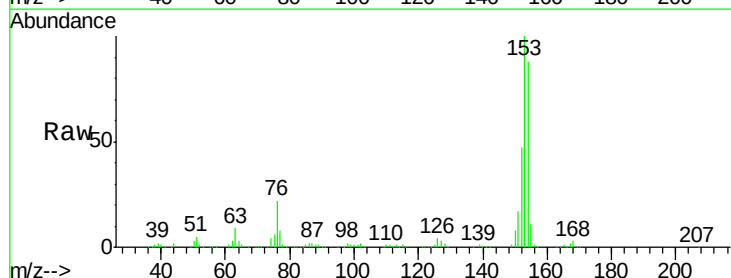
RT: 15.56 min Scan# 2121

Delta R.T. -0.00 min

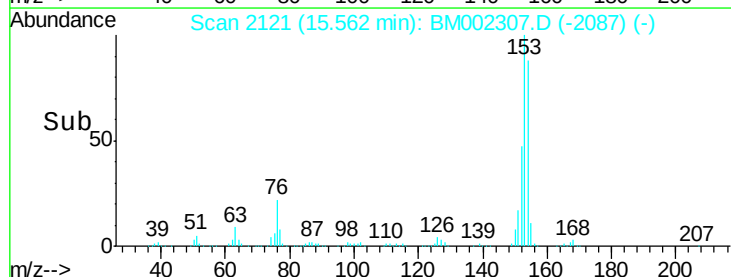
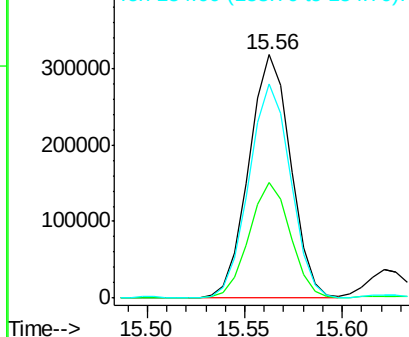
Lab File: BM002307.D

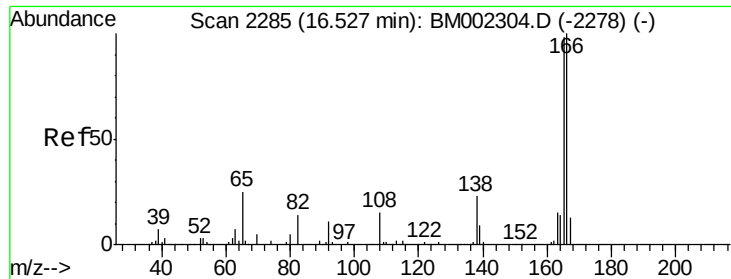
Acq: 09 Aug 2015 10:18

Tgt Ion:	153	Resp:	473578
Ion Ratio	Lower	Upper	
153	100		
152	47.3	36.6	55.0
154	88.1	71.5	107.3



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





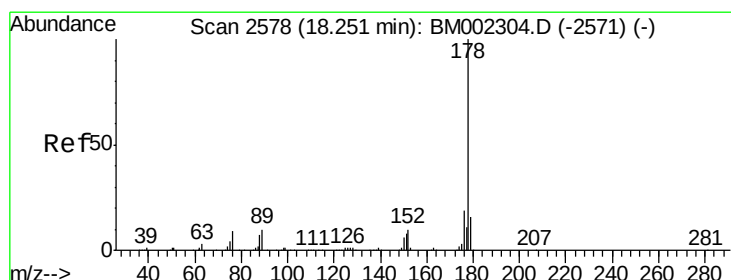
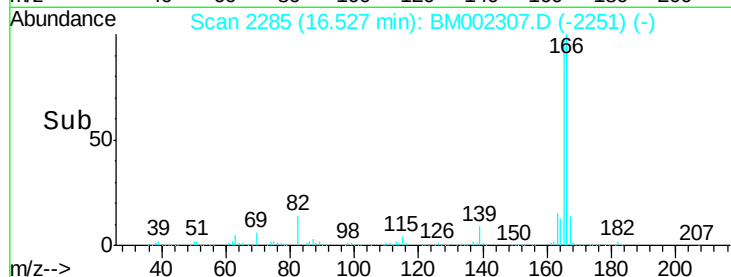
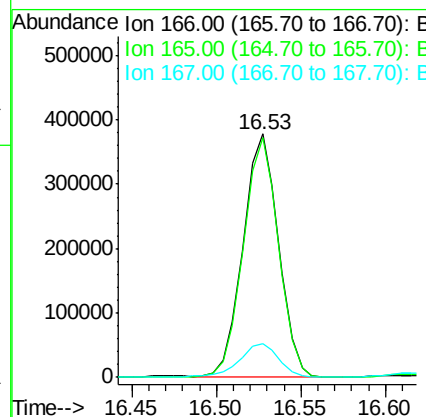
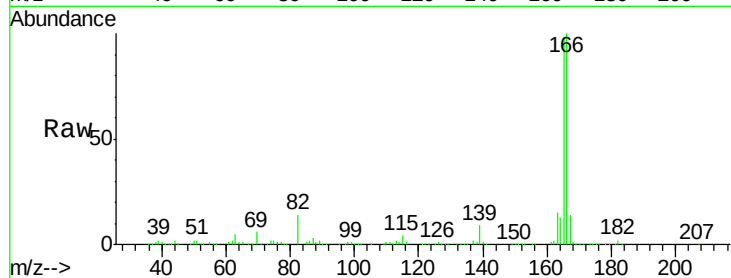
#11
Fluorene
 Concen: 8.84 ng/ul
 RT: 16.53 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tot Ion	Ratio	Resp	Lower	Upper
166	100	550939		
165	98.5		77.5	116.3
167	14.1		10.4	15.6

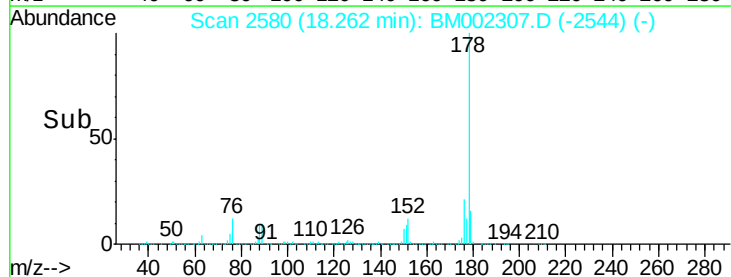
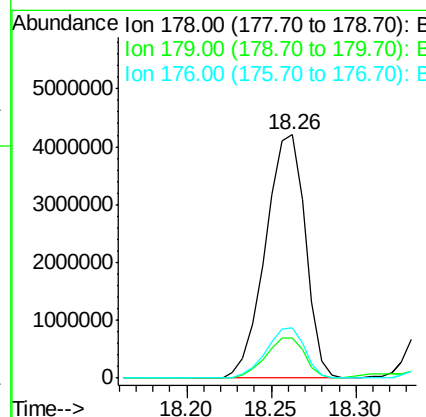
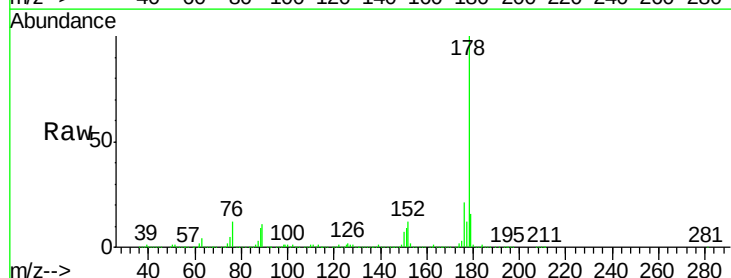
Manual Integrations
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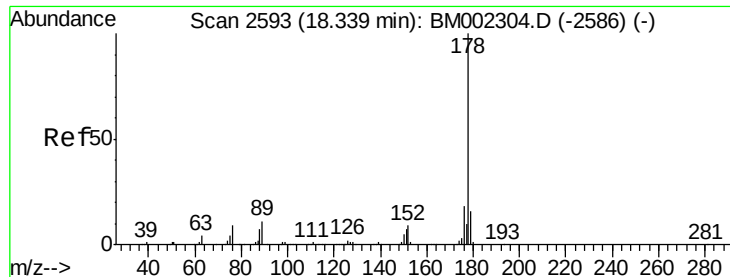
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#13
Phenanthrene
 Concen: 78.93 ng/ul
 RT: 18.26 min Scan# 2580
 Delta R.T. 0.01 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6902382		
179	16.4		12.3	18.5
176	20.8		15.3	22.9





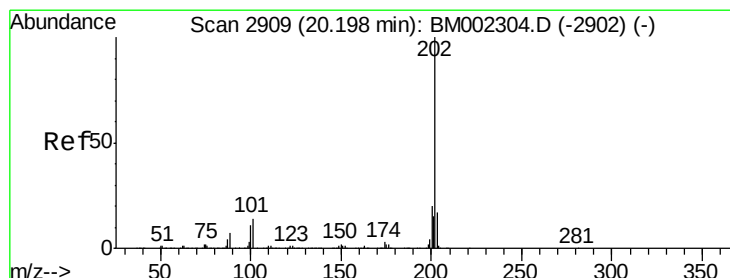
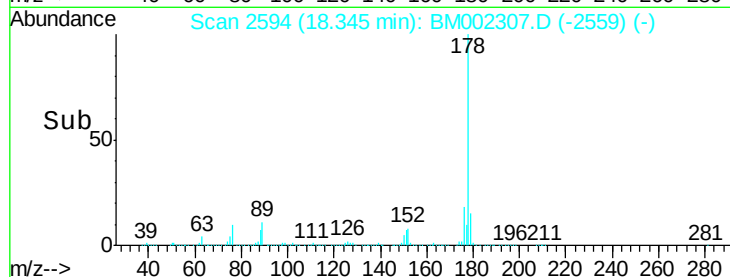
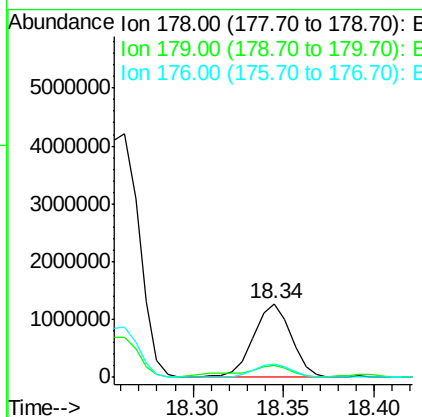
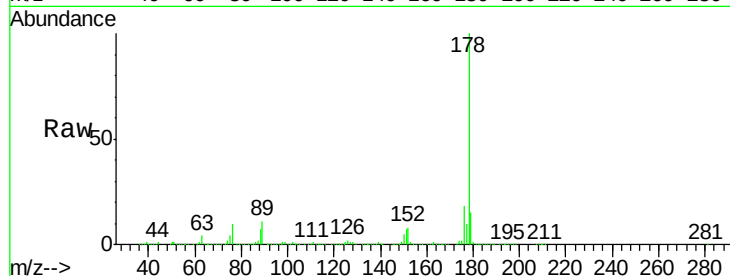
#15
 Anthracene
 Concen: 20.51 ng/ul
 RT: 18.34 min Scan# 2594
 Delta R.T. 0.01 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.4	14.5	21.7

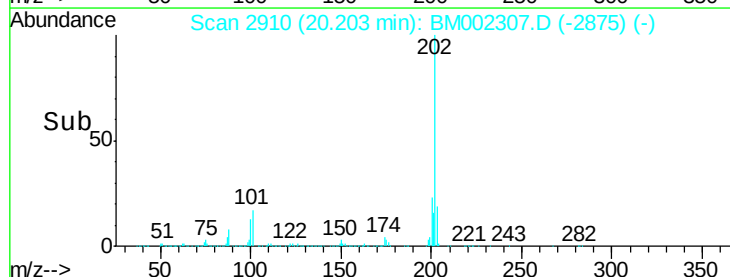
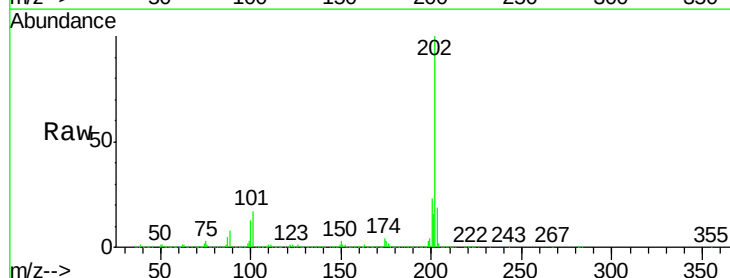
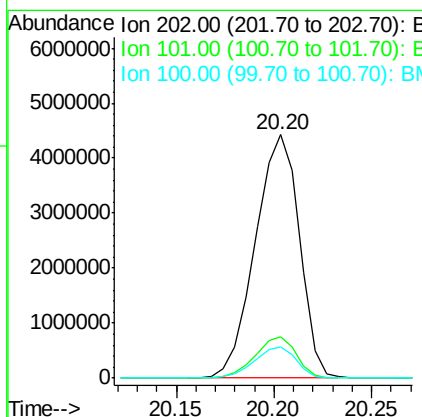
Manual Integrations
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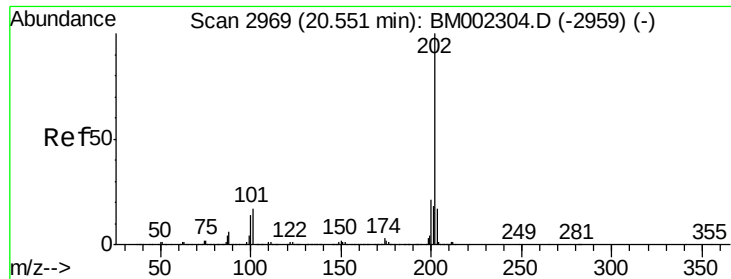
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#16
 Fluoranthene
 Concen: 71.47 ng/ul
 RT: 20.20 min Scan# 2910
 Delta R.T. 0.01 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.8	10.6	15.8#
100	12.9	8.2	12.4#





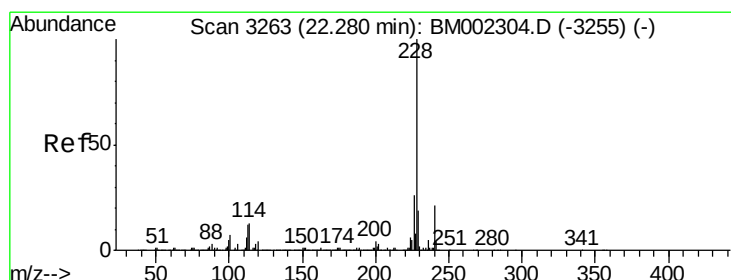
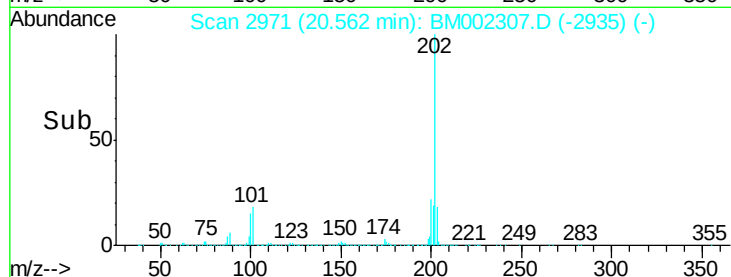
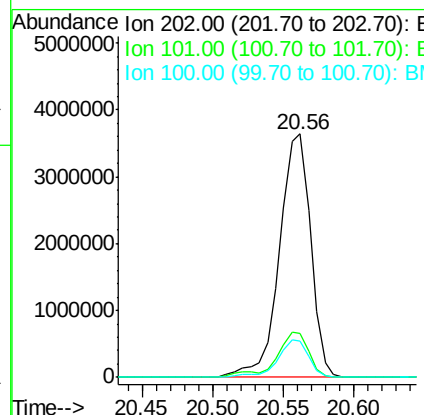
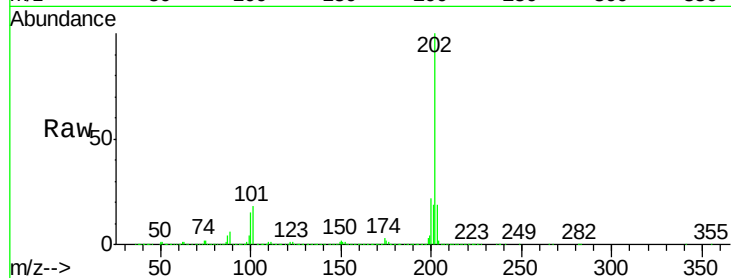
#19
Pvrene
Concen: 73.45 ng/ul
RT: 20.56 min Scan# 2971
Delta R.T. 0.01 min
Lab File: BM002307.D
Acq: 09 Aug 2015 10:18

Instrument :
BNA_M
ClientSampleId :
D9C57

Tot Ion	Ratio	Lower	Upper
202	100		
101	18.0	13.0	19.6
100	14.9	11.0	16.4

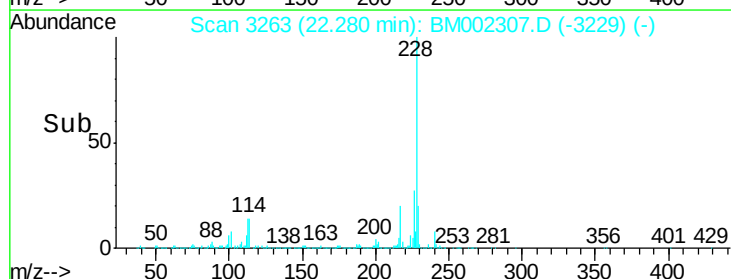
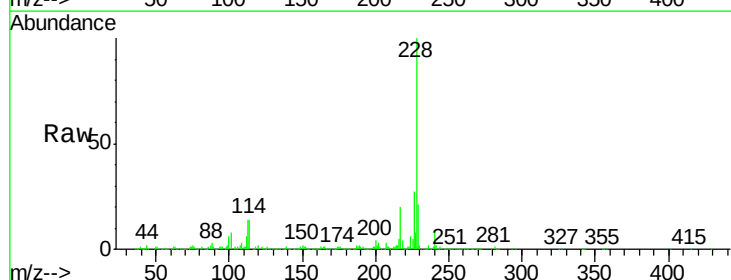
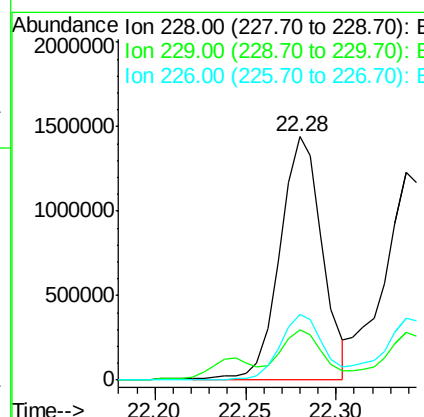
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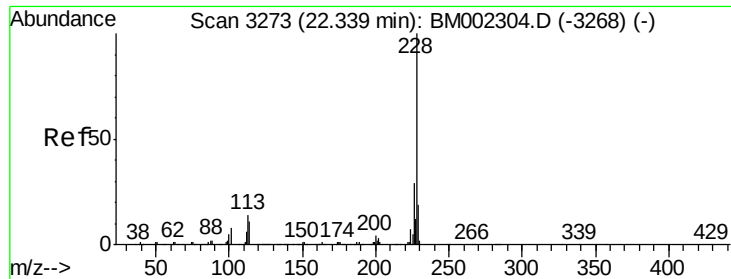
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#20
Benzo(a)anthracene
Concen: 32.43 ng/ul
RT: 22.28 min Scan# 3263
Delta R.T. -0.00 min
Lab File: BM002307.D
Acq: 09 Aug 2015 10:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	27.1	21.4	32.0





#21

Chrysene

Concen: 30.94 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

Instrument :

BNA_M

ClientSampled :

D9C57

Tot Ion:228 Resp: 2121434

Ion Ratio Lower Upper

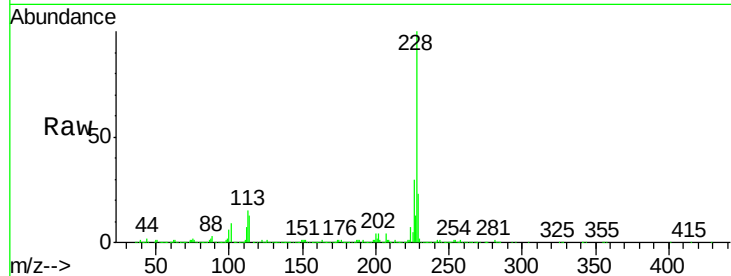
228 100

226 29.5 23.4 35.0

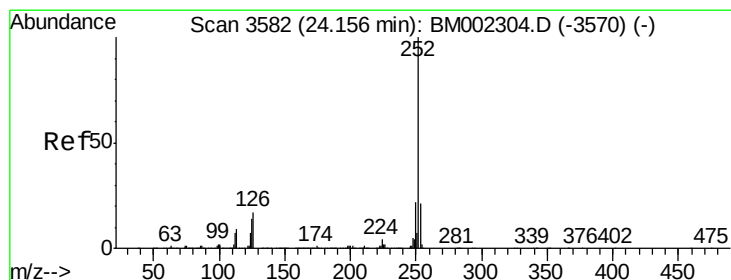
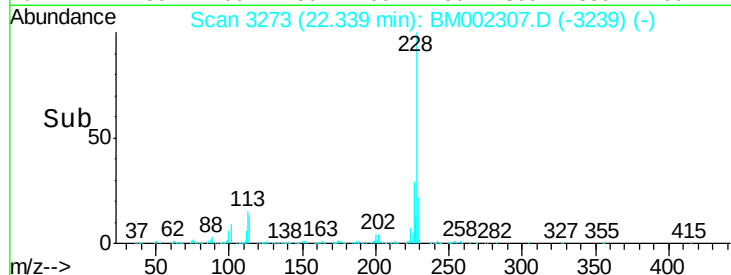
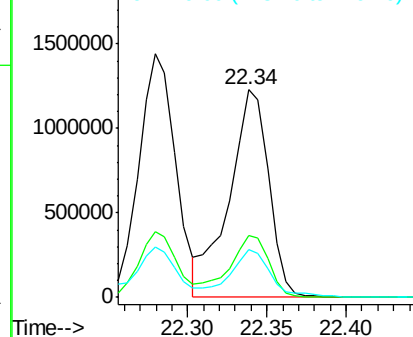
229 22.8 15.5 23.3

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 37.57 ng/ul

RT: 24.17 min Scan# 3584

Delta R.T. 0.01 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

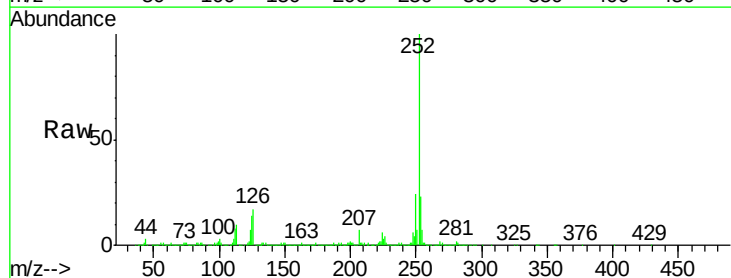
Tgt Ion:252 Resp: 2452462

Ion Ratio Lower Upper

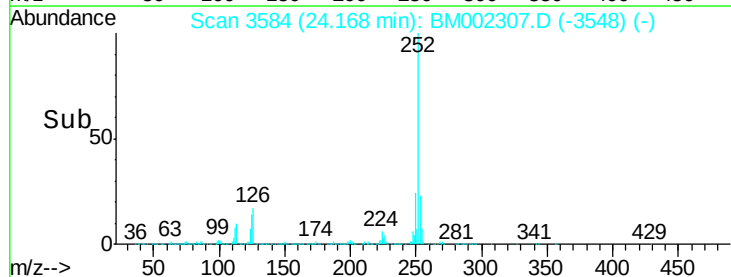
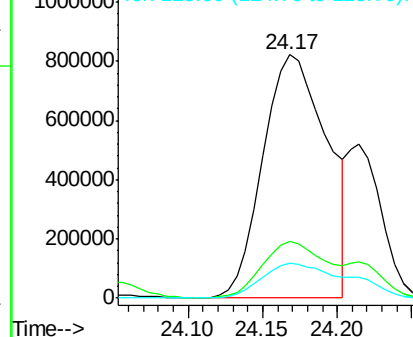
252 100

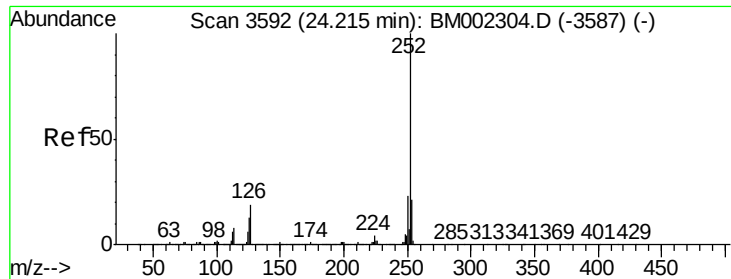
253 23.0 17.9 26.9

125 14.4 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





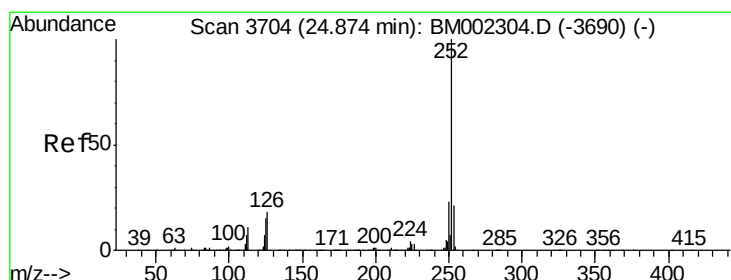
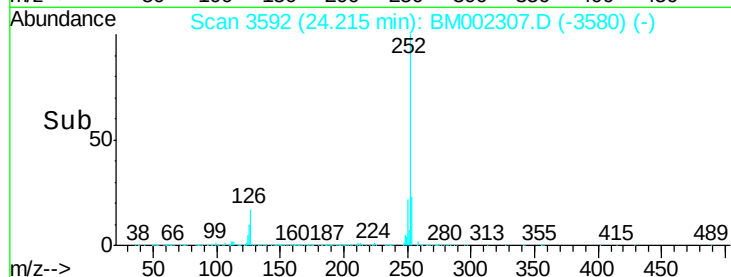
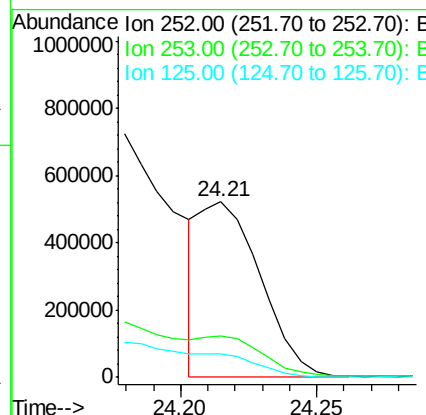
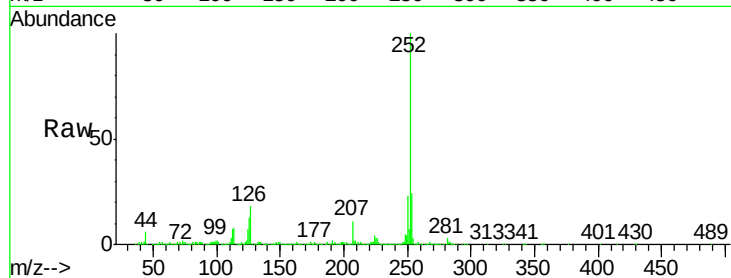
#24
Benzo(k)fluoranthene
Concen: 12.85 ng/ul m
RT: 24.21 min Scan# 3592
Delta R.T. -0.00 min
Lab File: BM002307.D
Acq: 09 Aug 2015 10:18

Instrument :
BNA_M
ClientSampleId :
D9C57

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	13.2	10.2	15.4

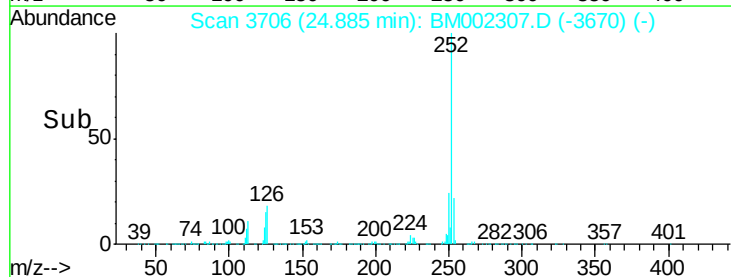
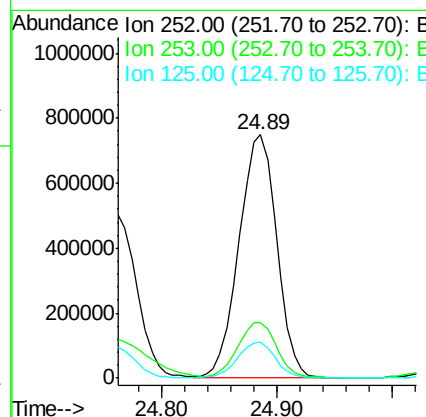
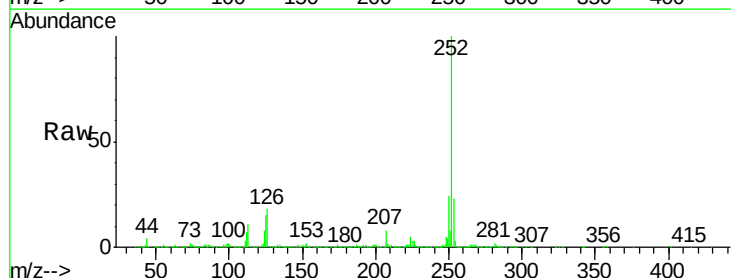
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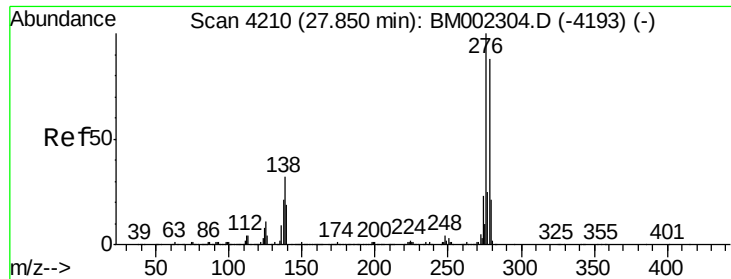
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#26
Benzo(a)pyrene
Concen: 27.12 ng/ul
RT: 24.89 min Scan# 3706
Delta R.T. 0.01 min
Lab File: BM002307.D
Acq: 09 Aug 2015 10:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	14.8	11.0	16.6





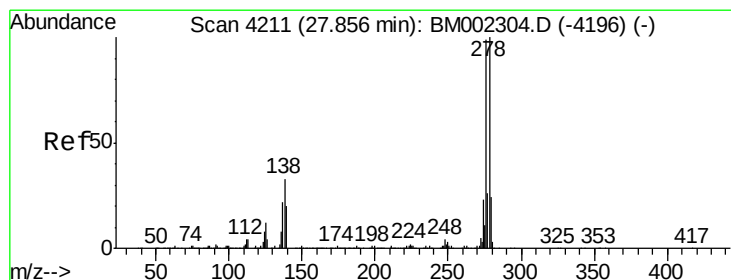
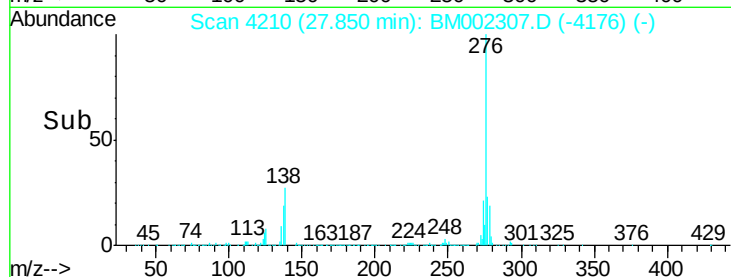
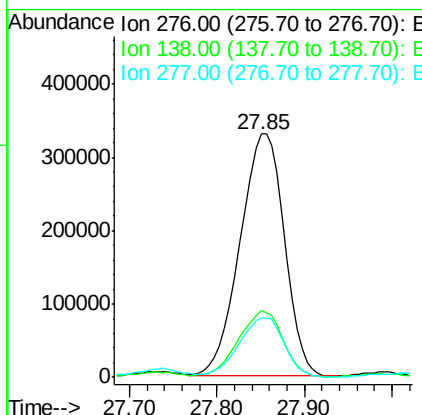
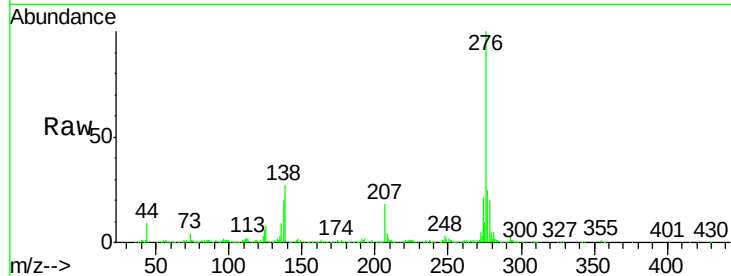
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 15.99 ng/ul
 RT: 27.85 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.6	38.4
277	24.6	21.0	31.4

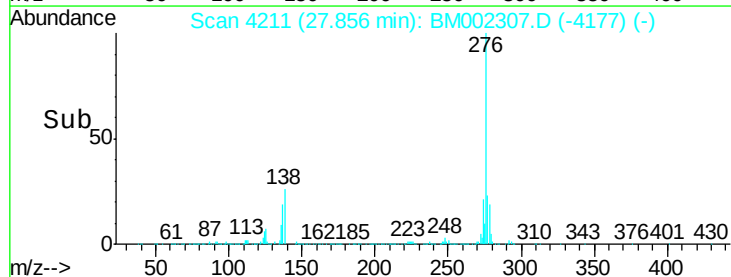
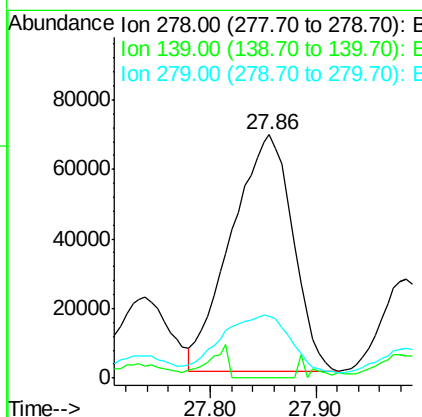
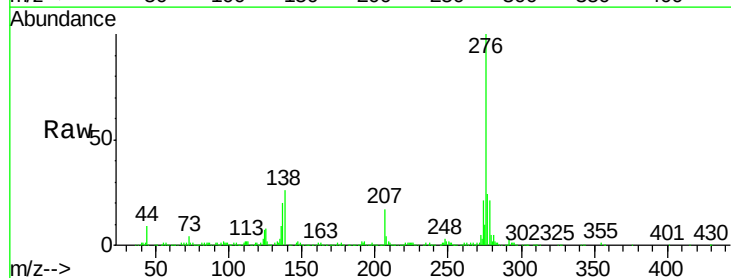
Manual Integrations
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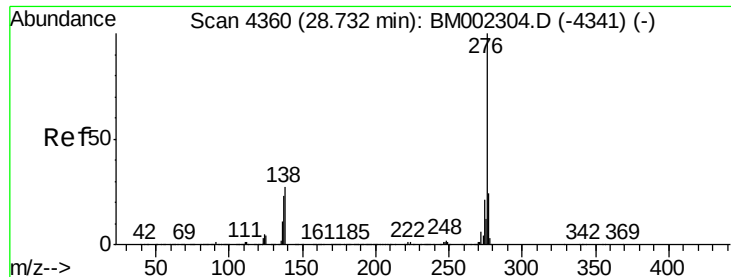
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#28
 Dibenzo(a,h)anthracene
 Concen: 4.54 ng/ul
 RT: 27.86 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	25.7	18.8	28.2





#29
 Benzo(a,h,i)perylene
 Concen: 18.93 ng/ul
 RT: 28.74 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tot Ion:	276	Resp:	1143133
Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.5	30.7
277	24.5	19.0	28.6

Manual Integrations
 APPROVED

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