

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009570.D
 Acq On : 05 Apr 2017 22:34
 Operator : SJ/MA
 Sample : I2285-21
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB343

Manual Integrations
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mohammad
 4/6/2017 11:38:57 AM

Quant Time: Apr 06 03:55:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 03:48:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	145900	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	569731	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	332980	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	782376	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1061403	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1017485	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	6216	0.71	ng/uL	0.00
7) Acenaphthylene-d8	14.17	160	392048	12.01	ng/ul	0.00
10) Fluorene-d10	15.48	176	301743	12.86	ng/ul	0.00
15) Anthracene-d10	17.33	188	491582	13.13	ng/ul	0.00
19) Pyrene-d10	19.63	212	591149	13.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	598748	13.33	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.69	128	163376	5.59	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	57933	2.72	ng/ul#	81
8) Acenaphthylene	14.21	152	71551	2.19	ng/ul#	96
9) Acenaphthene	14.55	153	181271	8.04	ng/ul	95
11) Fluorene	15.53	166	214238	7.79	ng/ul	98
14) Phenanthrene	17.28	178	3309075	75.23	ng/ul	98
16) Anthracene	17.37	178	717413	15.77	ng/ul	100
17) Fluoranthene	19.30	202	4847403	88.49	ng/ul	95
20) Pyrene	19.66	202	4227014	73.14	ng/ul	97
21) Benzo(a)anthracene	21.40	228	2734199	45.56	ng/ul	99
22) Chrysene	21.45	228	2267485	41.22	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	2924072	46.47	ng/ul	97
25) Benzo(k)fluoranthene	23.07	252	1191124m	19.87	ng/ul	
27) Benzo(a)pyrene	23.64	252	2363154m	39.50	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.10	276	1407022	20.98	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.10	278	402039	7.05	ng/ul	97
30) Benzo(a,h,i)perylene	26.83	276	1183465	21.40	ng/ul#	93

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

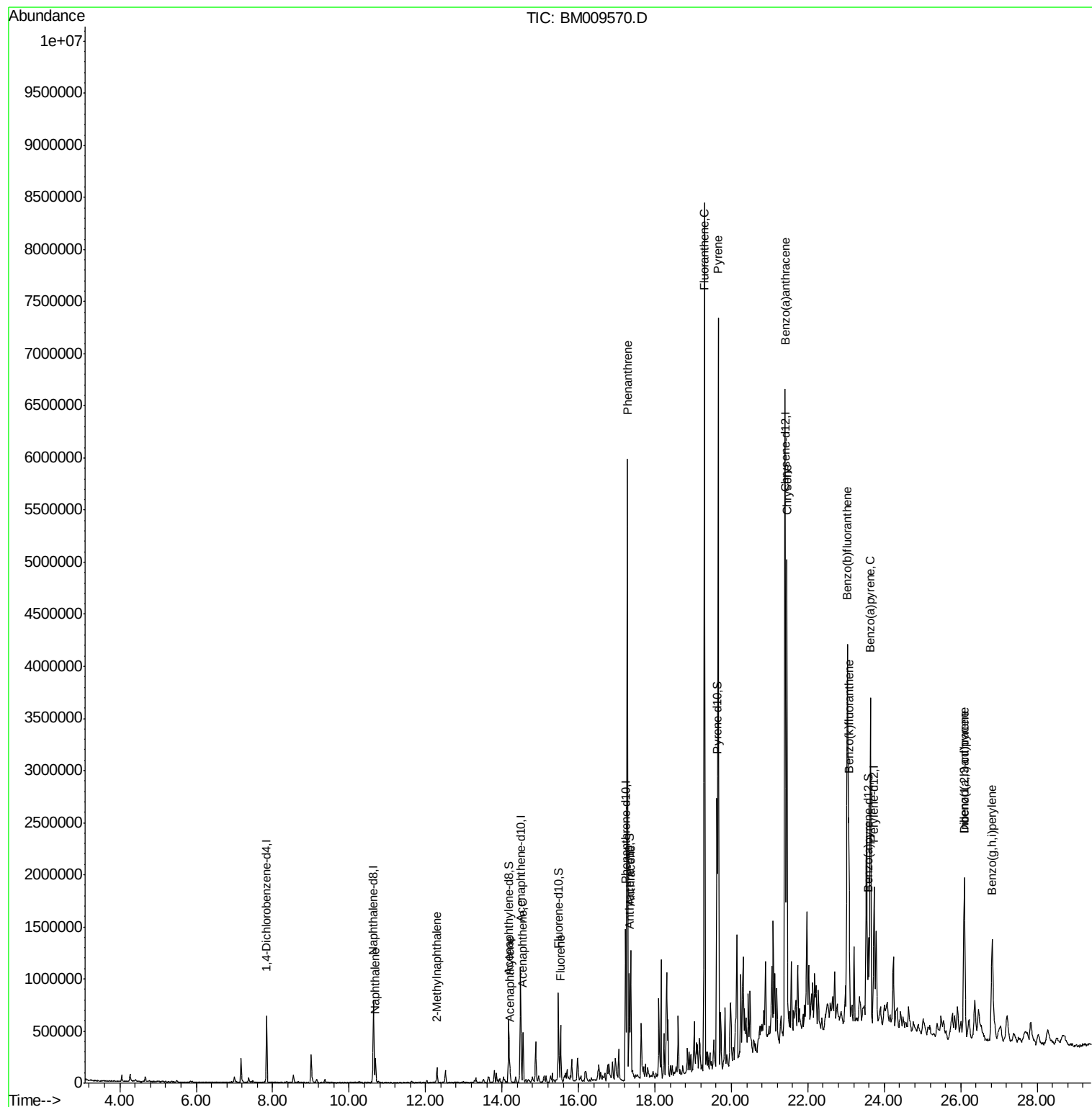
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
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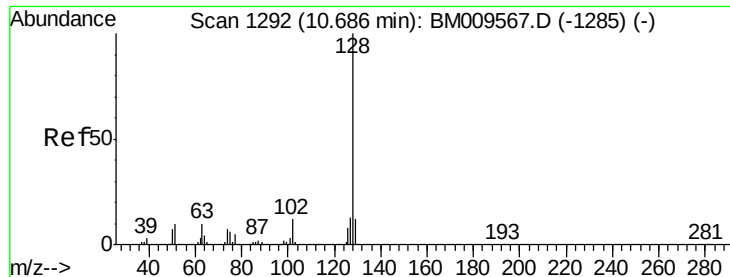
Instrument :
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Quant Time: Apr 06 03:55:38 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 06 03:48:05 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 5.59 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009570.D

Acq: 05 Apr 2017 22:34

Instrument :

BNA_M

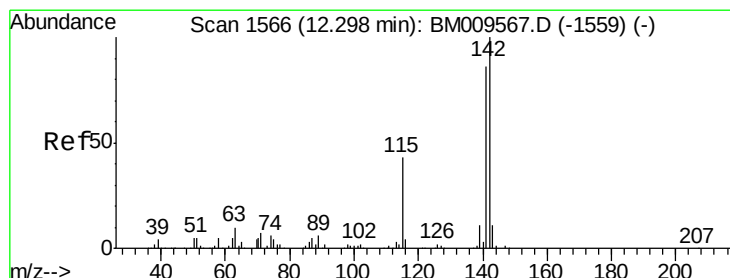
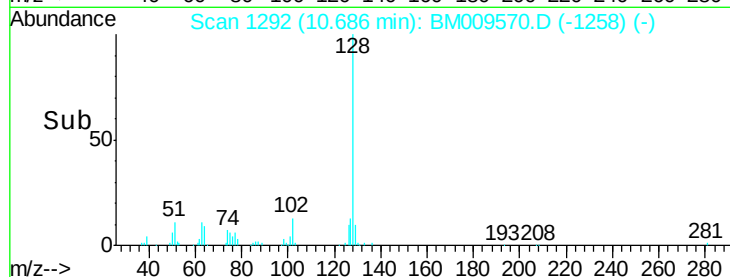
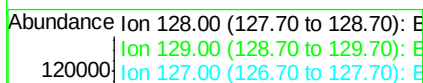
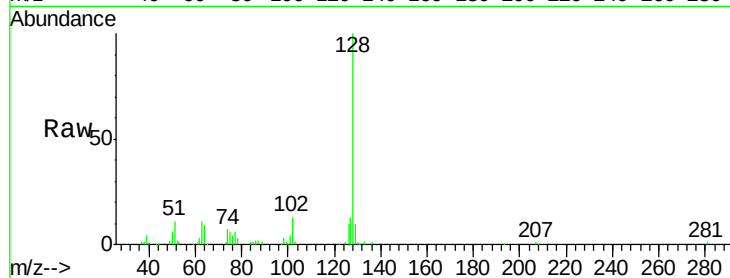
ClientSampled :

CB343

Tot Ion:	128	Resp:	163376
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.1	13.7
127	13.2	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 2.72 ng/ul

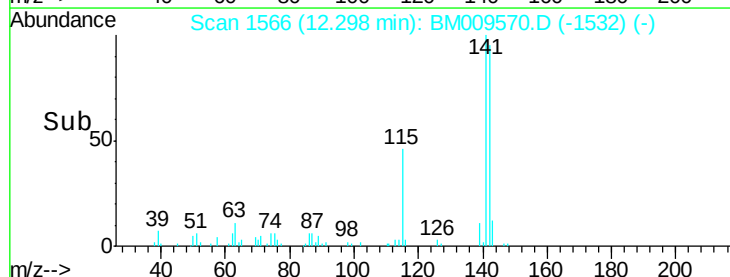
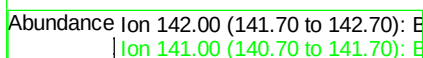
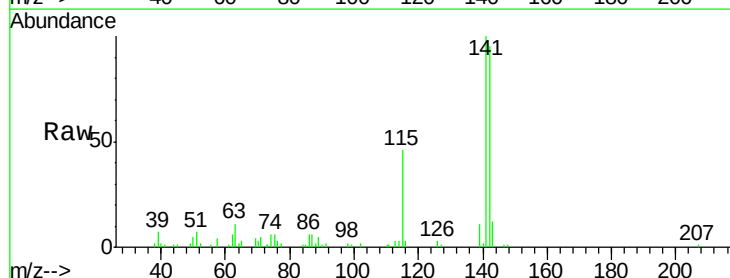
RT: 12.30 min Scan# 1566

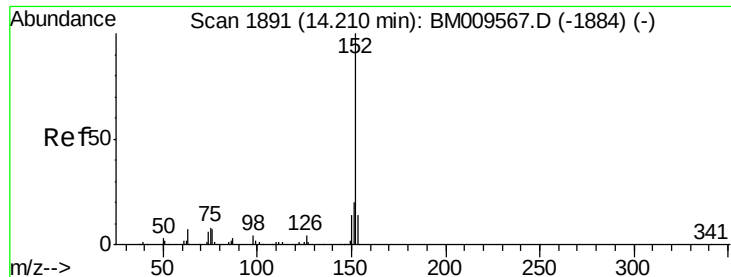
Delta R.T. 0.00 min

Lab File: BM009570.D

Acq: 05 Apr 2017 22:34

Tgt Ion:	142	Resp:	57933
Ion Ratio	Lower	Upper	
142	100		
141	105.0	69.8	104.8#





#8

Acenaphthylene

Concen: 2.19 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009570.D

Acq: 05 Apr 2017 22:34

Instrument :

BNA_M

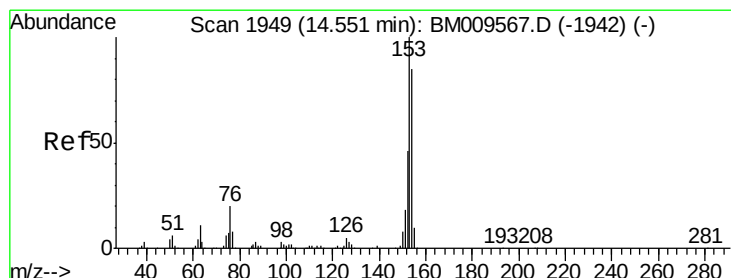
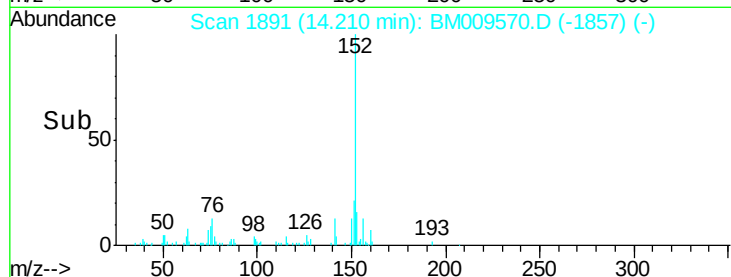
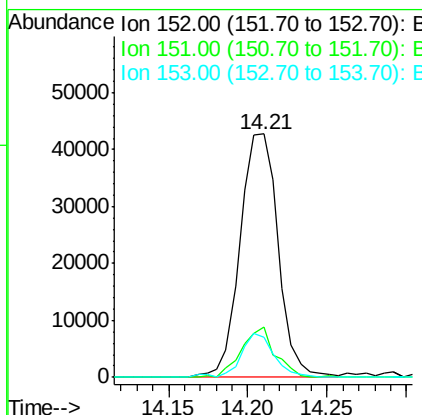
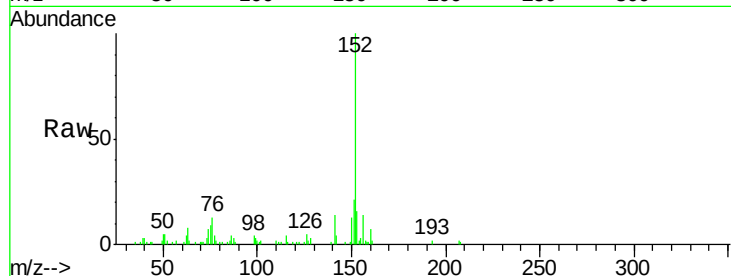
ClientSampled :

CB343

Tot Ion:	152	Resp:	71551
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.5	26.3
153	16.5	10.6	16.0

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#9

Acenaphthene

Concen: 8.04 ng/ul

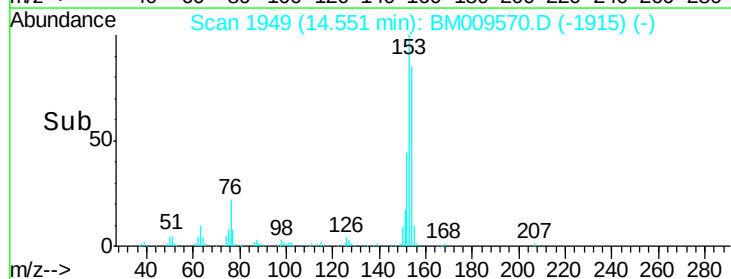
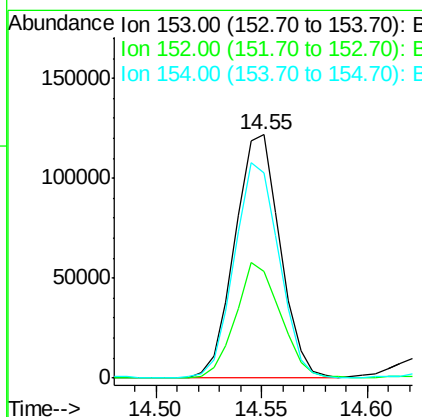
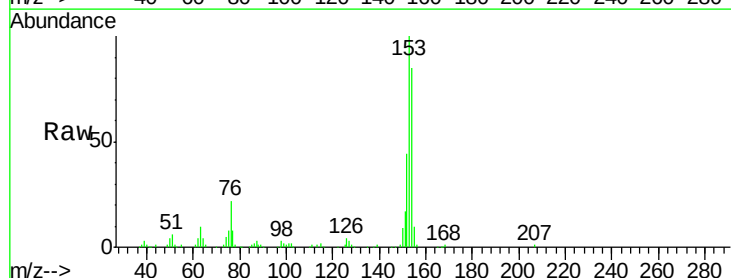
RT: 14.55 min Scan# 1949

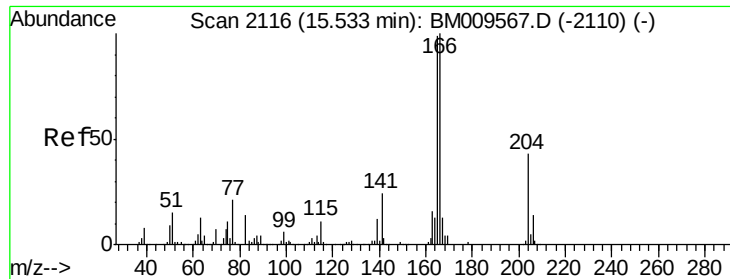
Delta R.T. 0.00 min

Lab File: BM009570.D

Acq: 05 Apr 2017 22:34

Tgt Ion:	153	Resp:	181271
Ion Ratio	Lower	Upper	
153	100		
152	43.7	37.9	56.9
154	84.5	71.6	107.4





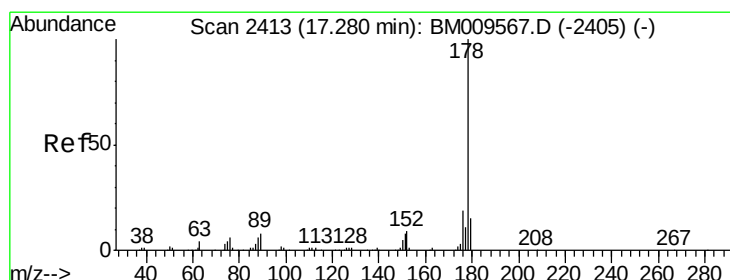
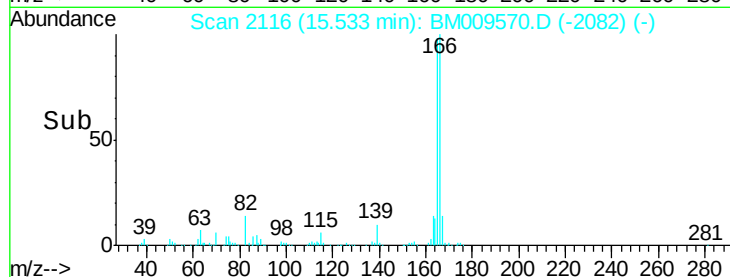
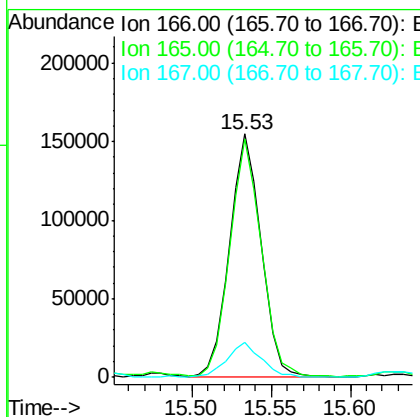
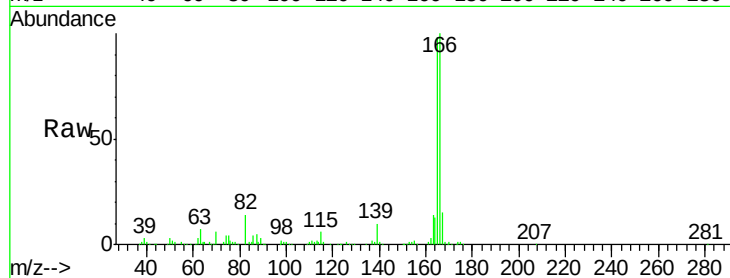
#11
Fluorene
Concen: 7.79 ng/ul
RT: 15.53 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BM009570.D
Acq: 05 Apr 2017 22:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.0	120.0
167	14.6	11.6	17.4

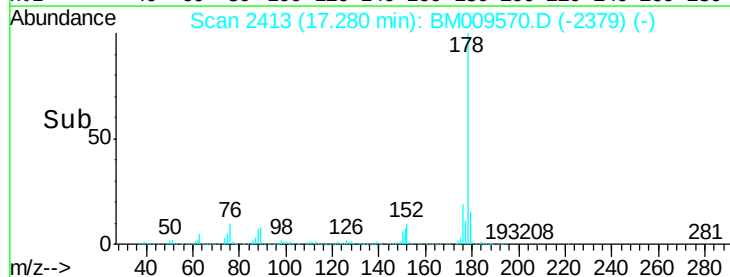
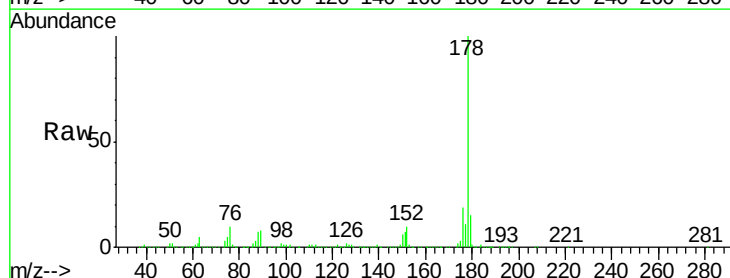
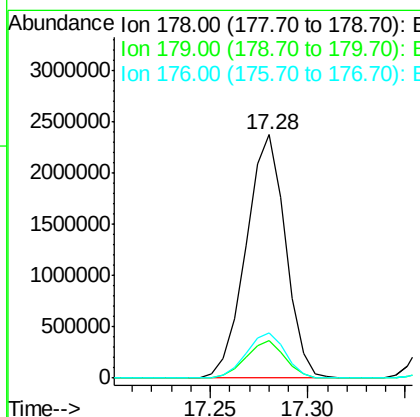
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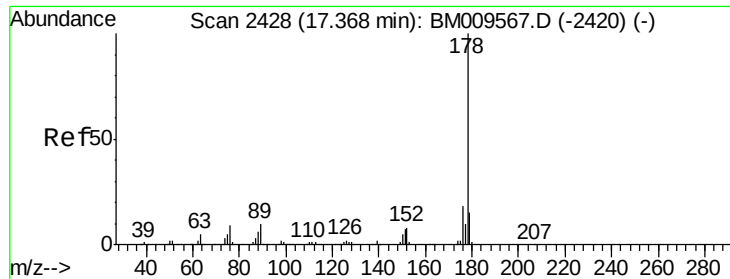
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#14
Phenanthrene
Concen: 75.23 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009570.D
Acq: 05 Apr 2017 22:34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	18.6	16.4	24.6





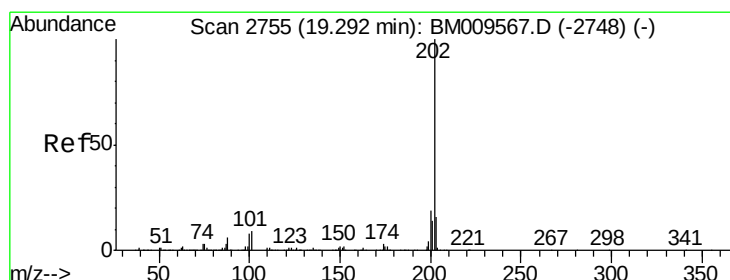
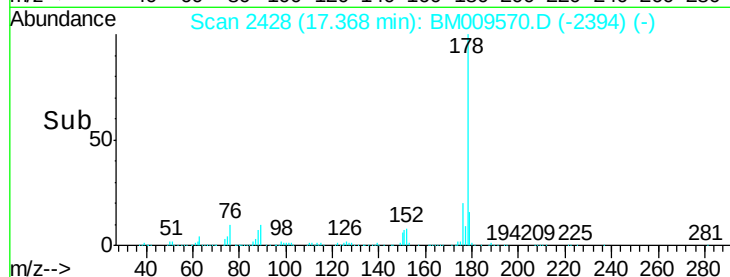
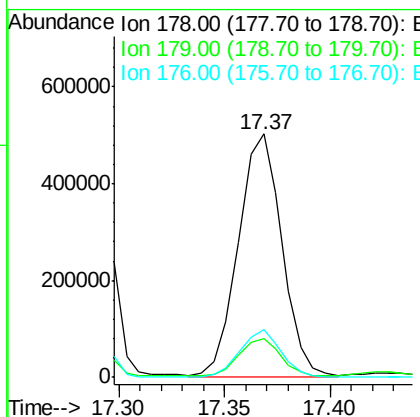
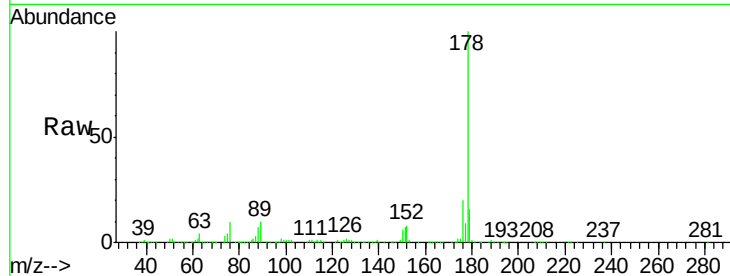
#16
 Anthracene
 Concen: 15.77 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009570.D
 Acq: 05 Apr 2017 22:34

Instrument :
 BNA_M
 ClientSampleId :
 CB343

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		717413		
179	15.9	12.7	19.1		
176	19.6	15.8	23.8		

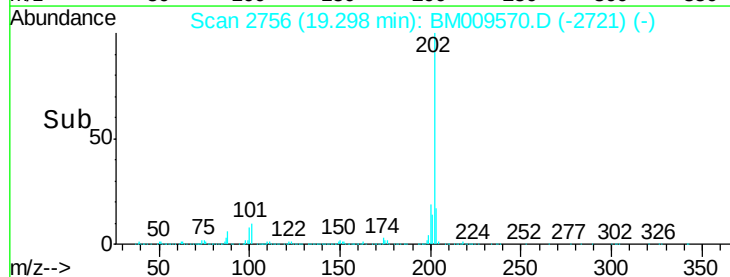
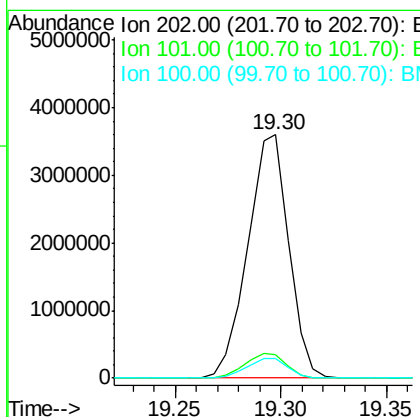
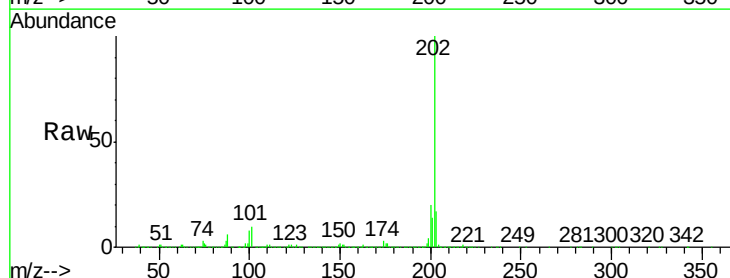
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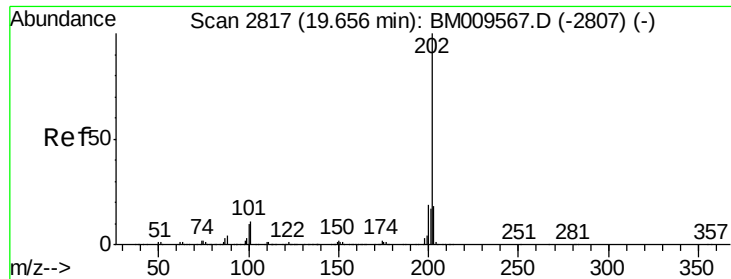
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#17
 Fluoranthene
 Concen: 88.49 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009570.D
 Acq: 05 Apr 2017 22:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		4847403		
101	9.9	9.8	14.8		
100	8.0	7.5	11.3		





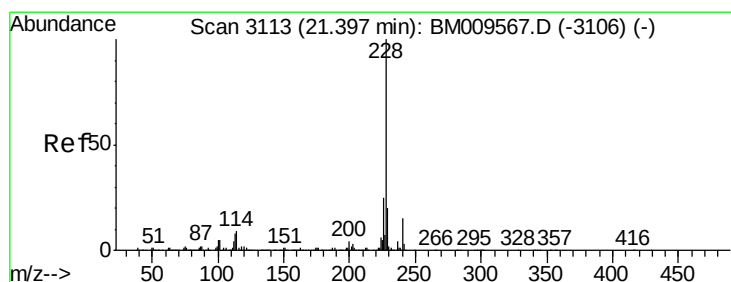
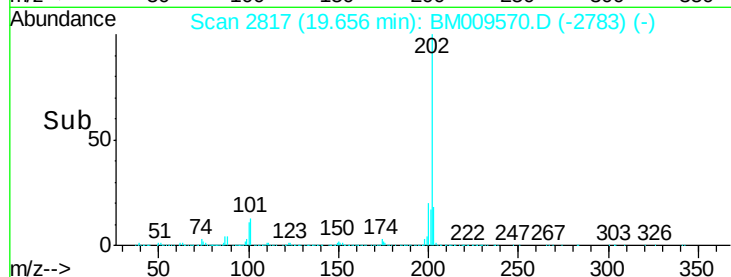
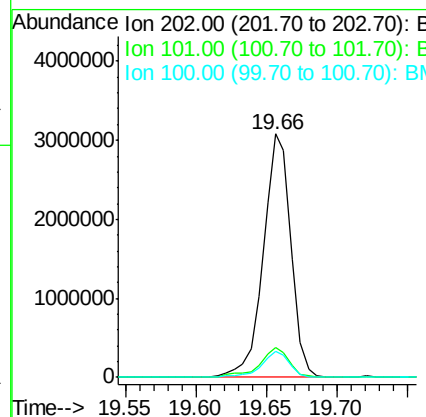
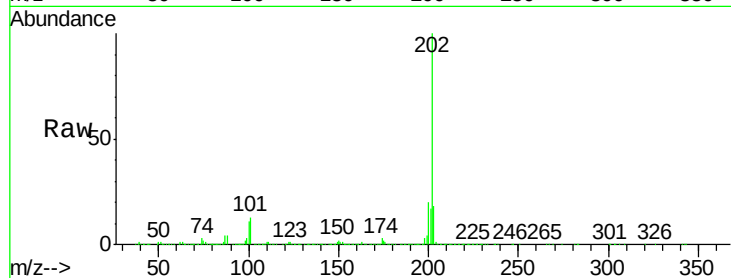
#20
Pvrene
Concen: 73.14 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM009570.D
Acq: 05 Apr 2017 22:34

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.2	16.8
100	10.9	9.8	14.6

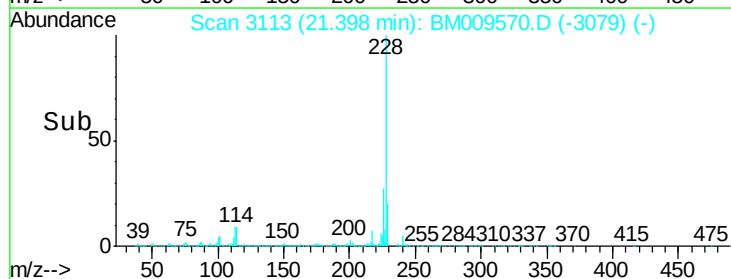
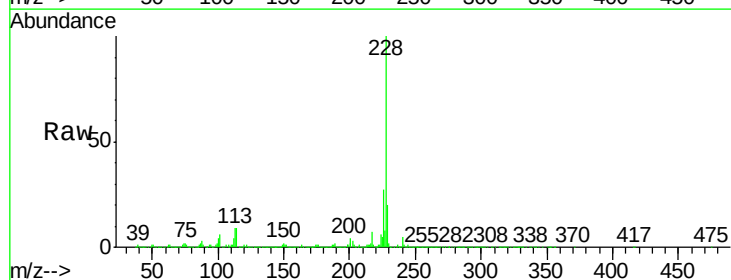
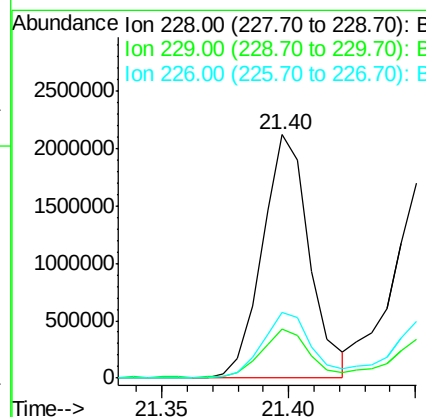
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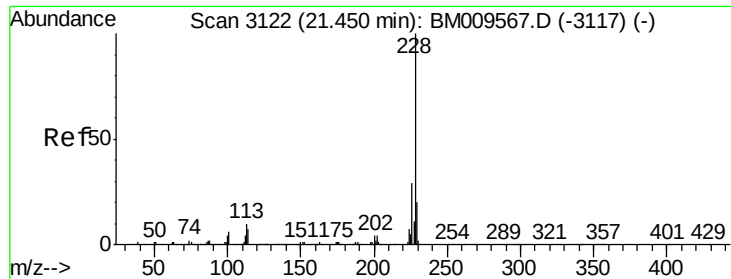
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#21
Benzo(a)anthracene
Concen: 45.56 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009570.D
Acq: 05 Apr 2017 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	27.2	22.1	33.1





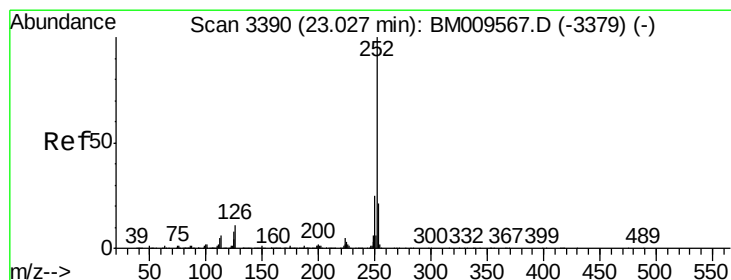
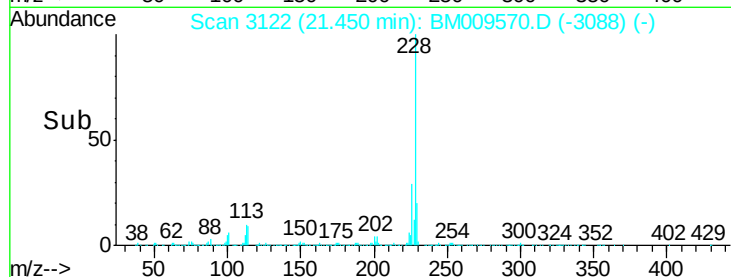
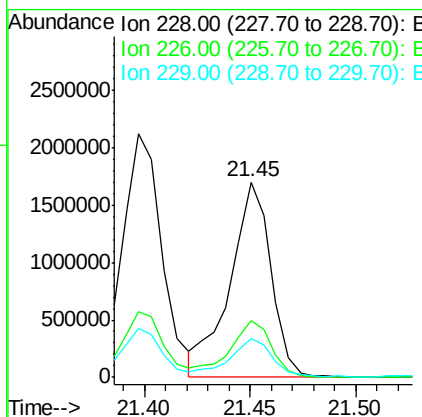
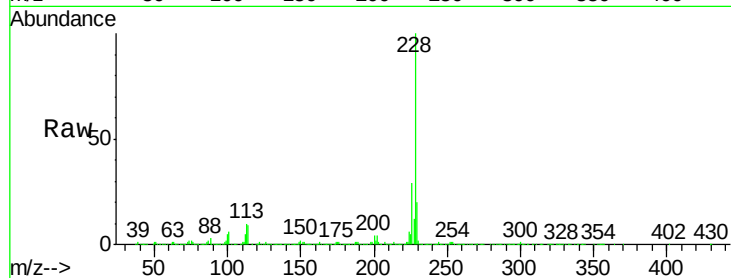
#22
 Chrysene
 Concen: 41.22 ng/ul
 RT: 21.45 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: BM009570.D
 Acq: 05 Apr 2017 22:34

Instrument :
 BNA_M
 ClientSampleID :
 CB343

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	19.8	16.6	25.0

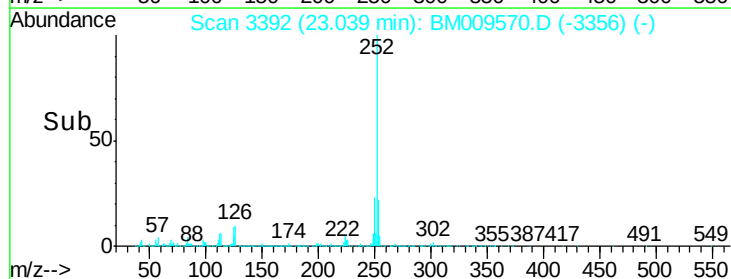
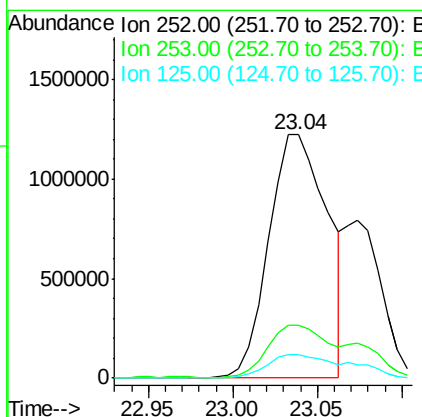
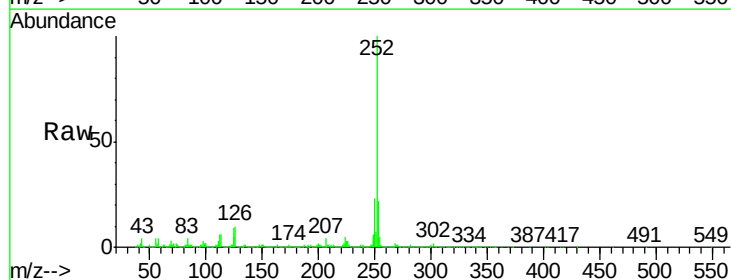
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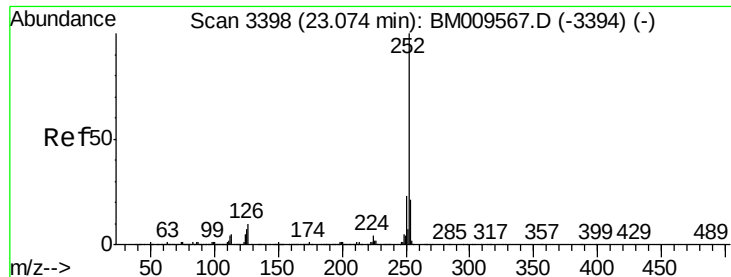
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#24
 Benzo(b)fluoranthene
 Concen: 46.47 ng/ul
 RT: 23.04 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: BM009570.D
 Acq: 05 Apr 2017 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.5	9.4	14.0





#25

Benzo(k)fluoranthene

Concen: 19.87 ng/ul m

RT: 23.07 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM009570.D

Acq: 05 Apr 2017 22:34

Instrument :

BNA_M

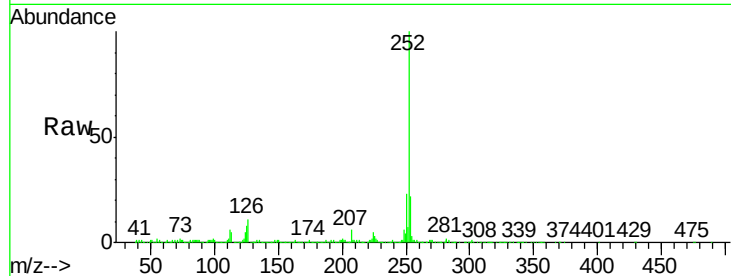
ClientSampleId :

CB343

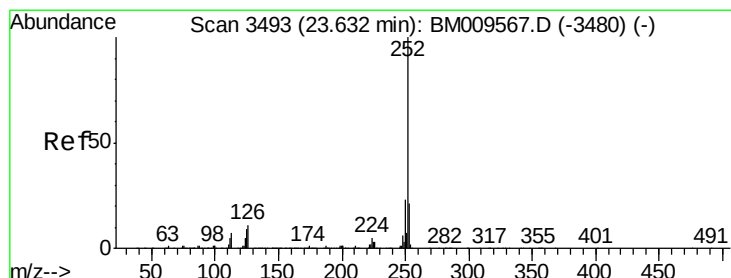
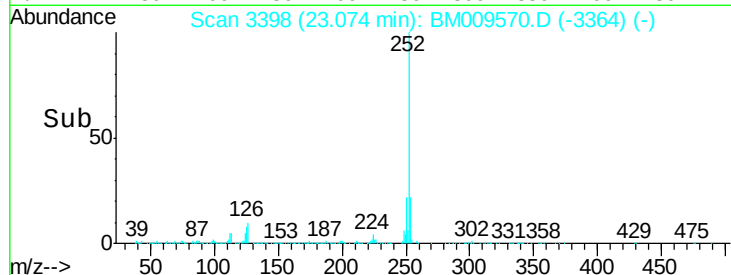
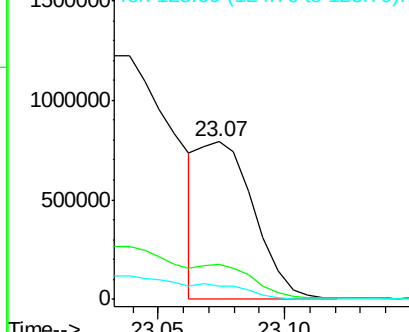
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.4	8.8	13.2#

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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



#27

Benzo(a)pyrene

Concen: 39.50 ng/ul m

RT: 23.64 min Scan# 3494

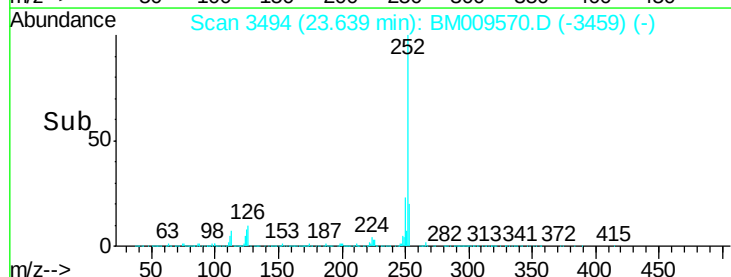
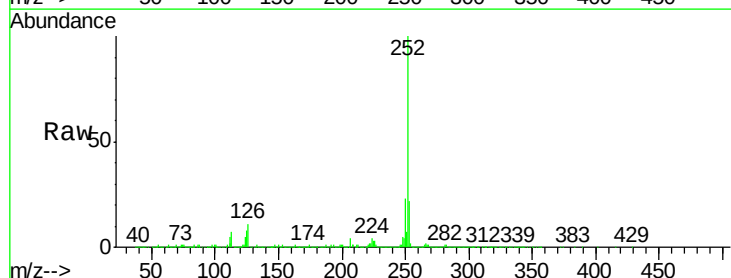
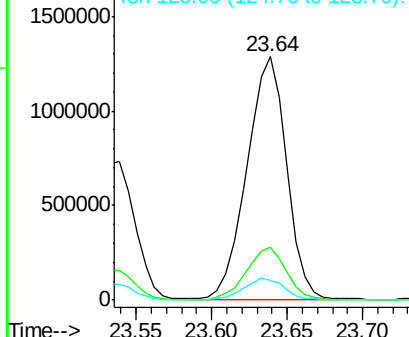
Delta R.T. 0.01 min

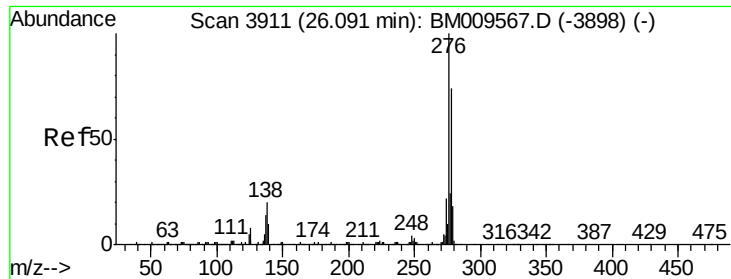
Lab File: BM009570.D

Acq: 05 Apr 2017 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	8.0	9.4	14.2#

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





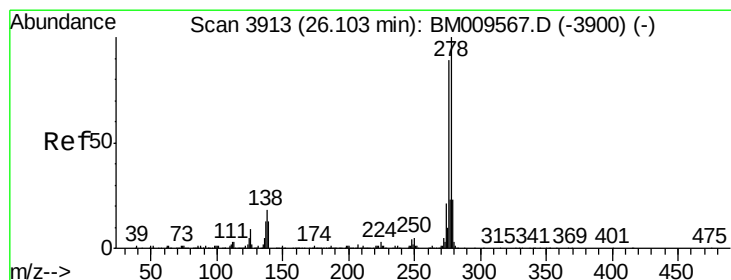
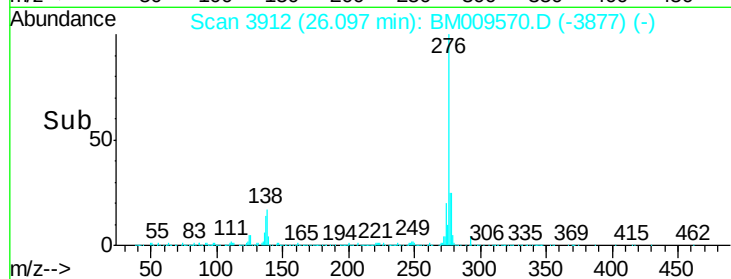
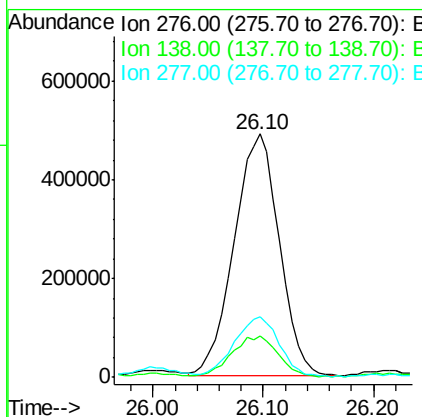
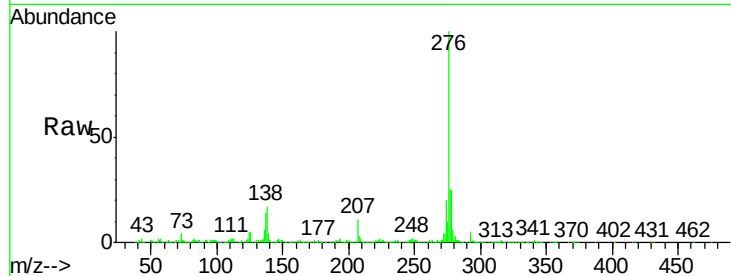
#28
Indeno(1,2,3-cd)pyrene
Concen: 20.98 ng/ul
RT: 26.10 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM009570.D
Acq: 05 Apr 2017 22:34

Instrument :
BNA_M
ClientSampleId :
CB343

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	17.8	26.6#
277	24.8	19.4	29.0

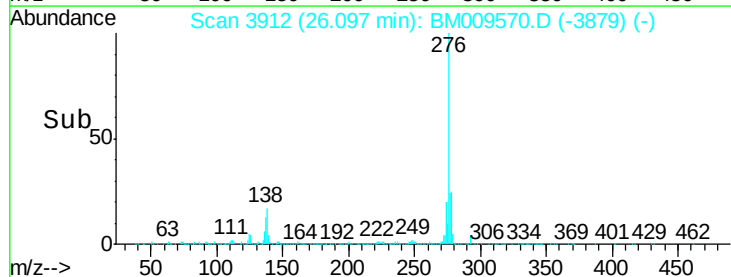
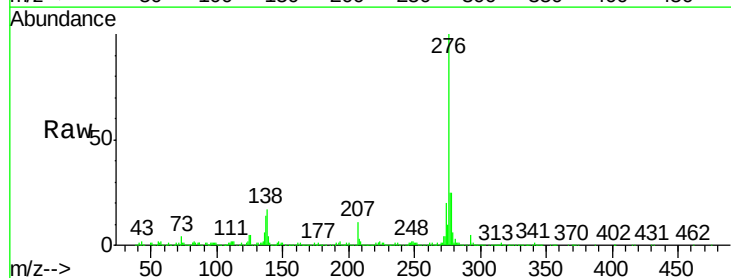
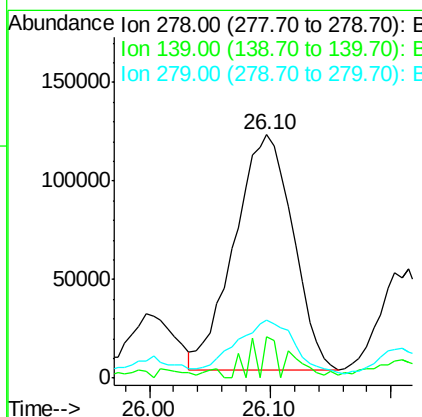
Manual Integrations
APPROVED

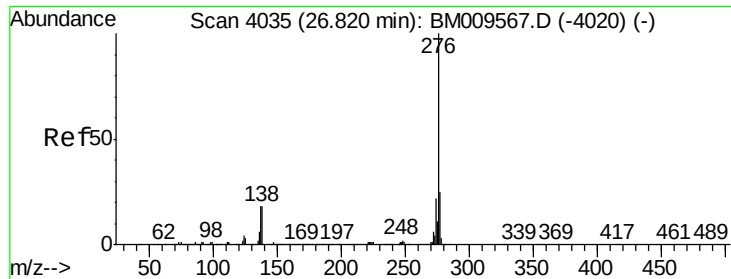
mohammad
4/6/2017 11:38:57 AM



#29
Dibenzo(a,h)anthracene
Concen: 7.05 ng/ul
RT: 26.10 min Scan# 3912
Delta R.T. -0.01 min
Lab File: BM009570.D
Acq: 05 Apr 2017 22:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.0	21.0
279	23.7	20.6	31.0





#30
 Benzo(a,h,i)perylene
 Concen: 21.40 ng/ul
 RT: 26.83 min Scan# 4036
 Delta R.T. 0.01 min
 Lab File: BM009570.D
 Acq: 05 Apr 2017 22:34

Instrument :
 BNA_M
 ClientSampleId :
 CB343

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	19.0	28.4#
277	24.2	19.7	29.5

Manual Integrations
 APPROVED

mohammad
 4/6/2017 11:38:57 AM

