

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009569.D
 Acq On : 05 Apr 2017 21:58
 Operator : SJ/MA
 Sample : I2285-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB342

Manual Integrations
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mohammad
 4/6/2017 11:39:20 AM

Quant Time: Apr 06 03:54:18 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	149826	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	561958	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	322820	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	782425	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	1091973	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	1038979	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	11751	1.36	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	378759	11.97	ng/ul	0.00
10) Fluorene-d10	15.48	176	299550	13.16	ng/ul	0.00
15) Anthracene-d10	17.33	188	495028	13.22	ng/ul	0.00
19) Pyrene-d10	19.63	212	606353	13.51	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	606659	13.22	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	119750	4.16	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	40352	1.92	ng/ul	90
8) Acenaphthylene	14.21	152	74641	2.35	ng/ul	98
9) Acenaphthene	14.55	153	128267	5.87	ng/ul	98
11) Fluorene	15.53	166	176587	6.62	ng/ul	97
14) Phenanthrene	17.28	178	2690138	61.15	ng/ul	97
16) Anthracene	17.37	178	612277	13.46	ng/ul	96
17) Fluoranthene	19.30	202	4004225	73.09	ng/ul#	94
20) Pyrene	19.66	202	3495138	58.78	ng/ul	96
21) Benzo(a)anthracene	21.40	228	2222258	36.00	ng/ul	99
22) Chrysene	21.45	228	1842311	32.55	ng/ul	100
24) Benzo(b)fluoranthene	23.04	252	2607690	40.58	ng/ul	98
25) Benzo(k)fluoranthene	23.07	252	723834m	11.82	ng/ul	
27) Benzo(a)pyrene	23.63	252	1851462	30.31	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.09	276	1090408	15.92	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.10	278	324129	5.57	ng/ul#	81
30) Benzo(a,h,i)perylene	26.83	276	954306	16.90	ng/ul#	94

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

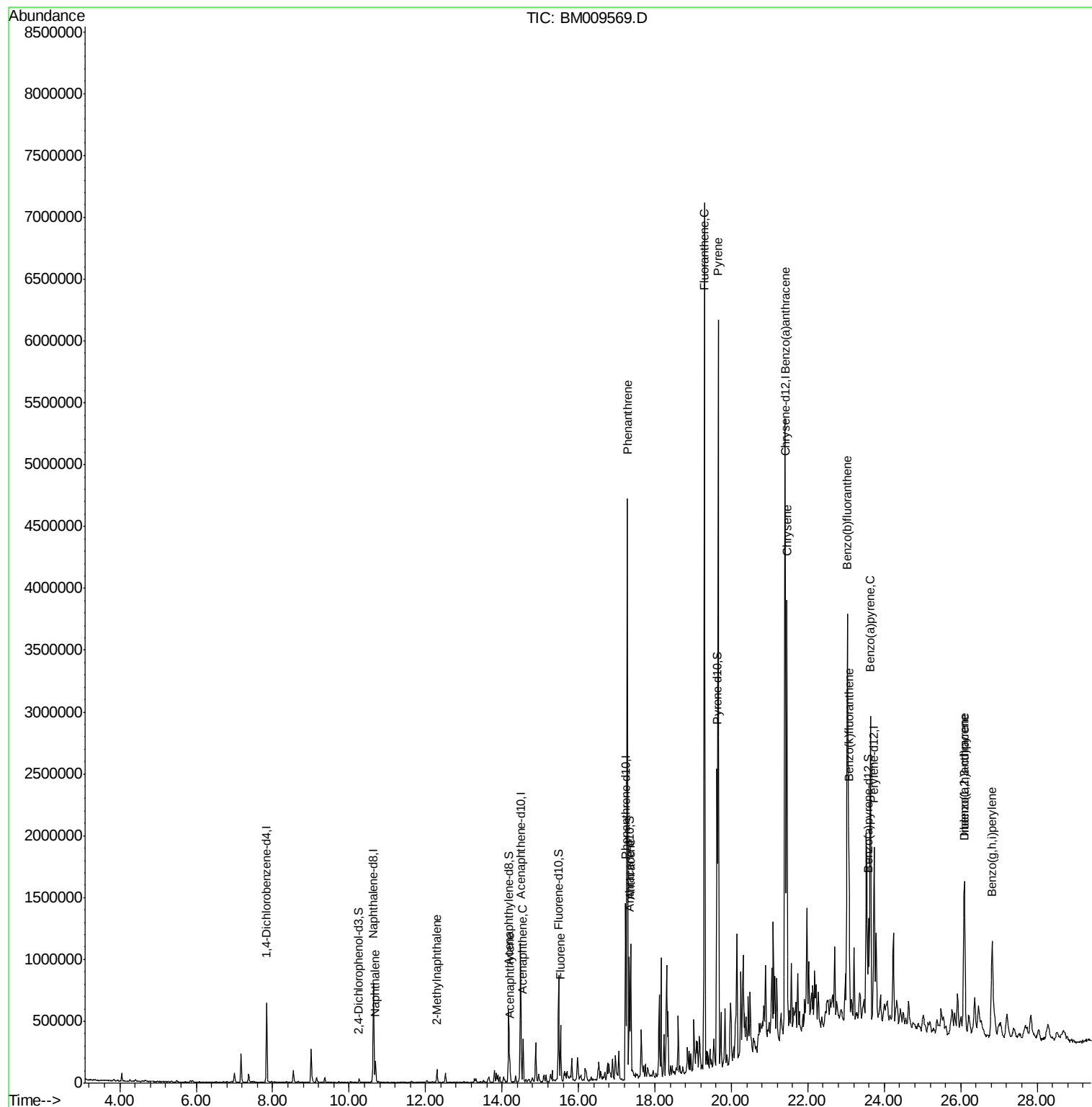
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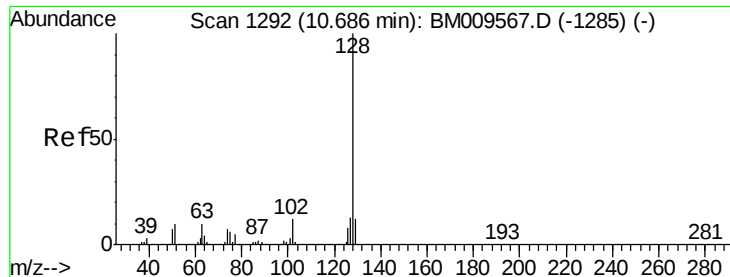
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 06 03:48:05 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 4.16 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009569.D

Acq: 05 Apr 2017 21:58

Instrument :

BNA_M

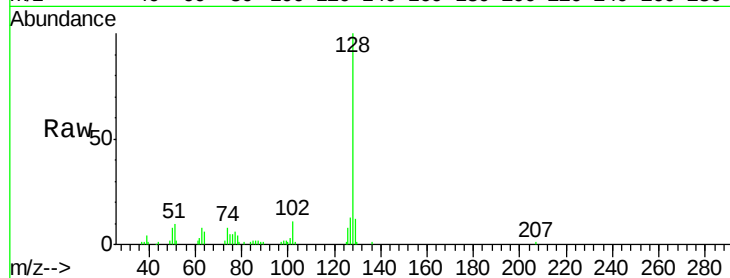
ClientSampled :

CB342

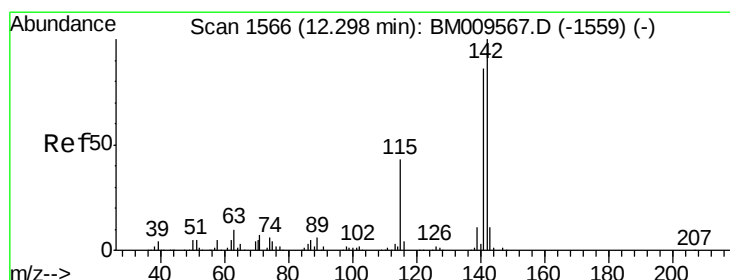
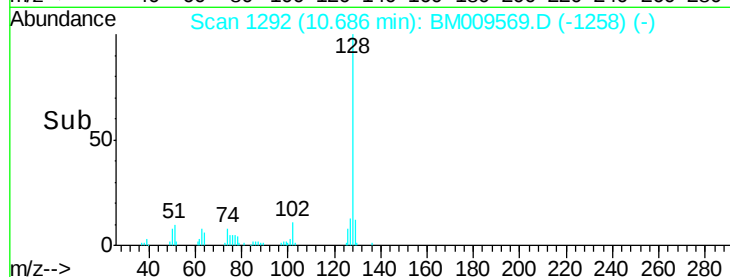
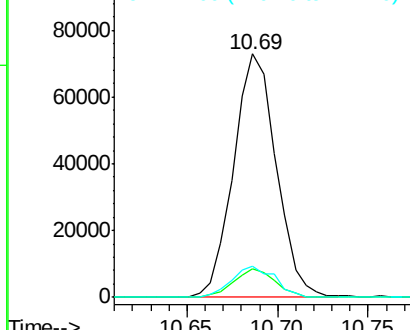
Tot Ion:	128	Resp:	119750
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.1	13.7
127	13.0	10.6	15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.92 ng/ul

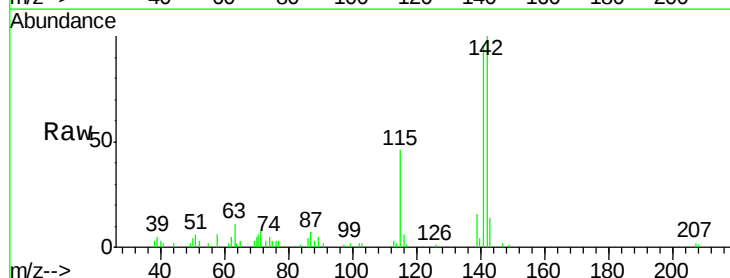
RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

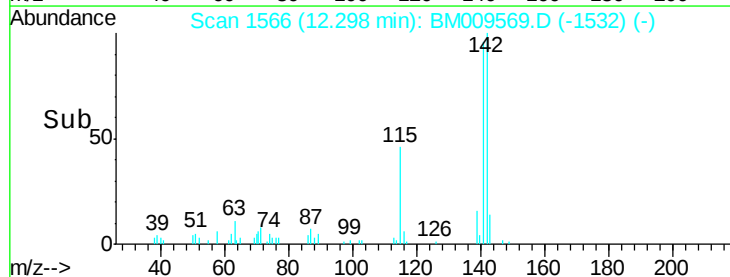
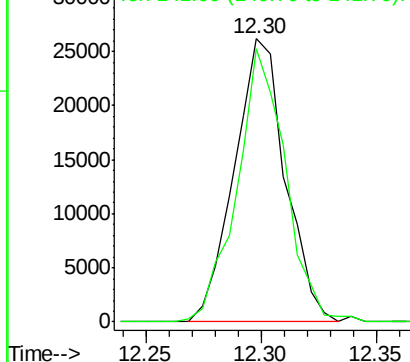
Lab File: BM009569.D

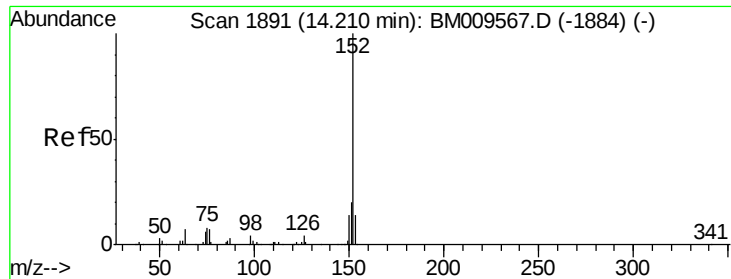
Acq: 05 Apr 2017 21:58

Tgt Ion:	142	Resp:	40352
Ion Ratio	Lower	Upper	
142	100		
141	96.4	69.8	104.8



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





#8

Acenaphthylene

Concen: 2.35 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009569.D

Acq: 05 Apr 2017 21:58

Instrument :

BNA_M

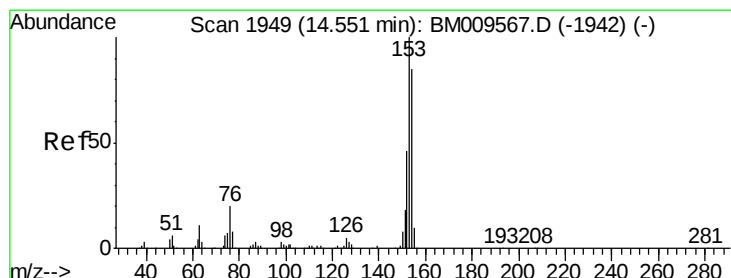
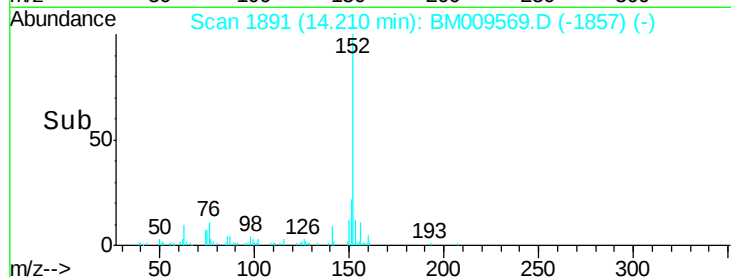
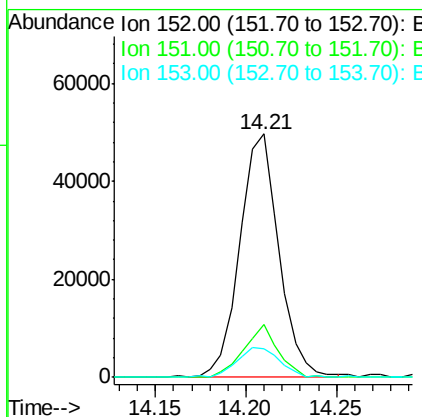
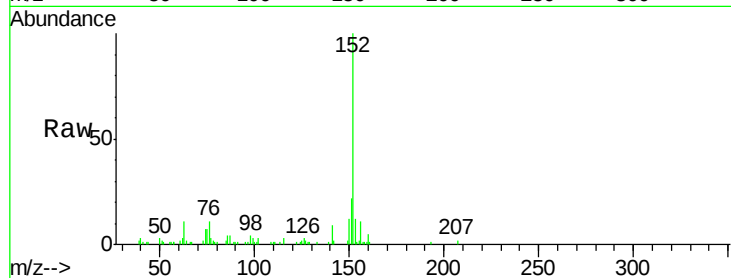
ClientSampleId :

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Tot Ion:	152	Resp:	74641
Ion Ratio	Lower	Upper	
152	100		
151	21.7	17.5	26.3
153	11.8	10.6	16.0

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#9

Acenaphthene

Concen: 5.87 ng/ul

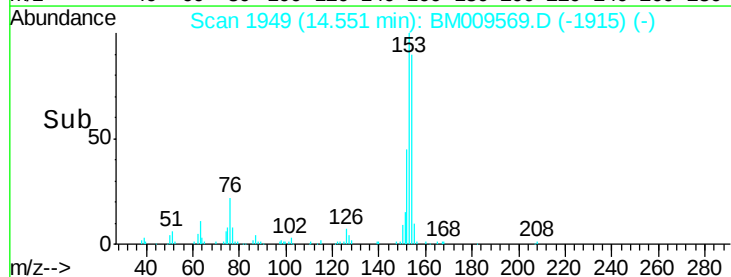
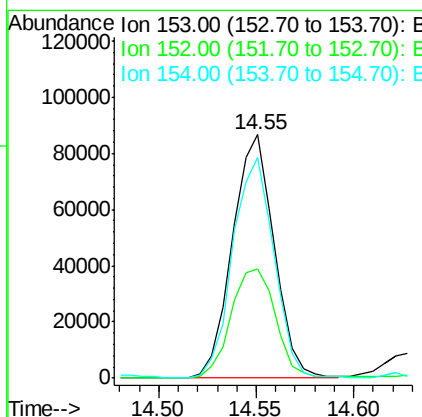
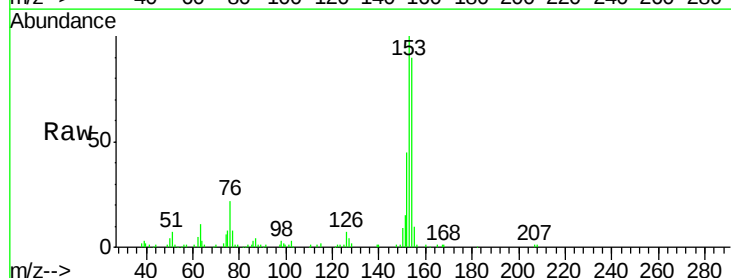
RT: 14.55 min Scan# 1949

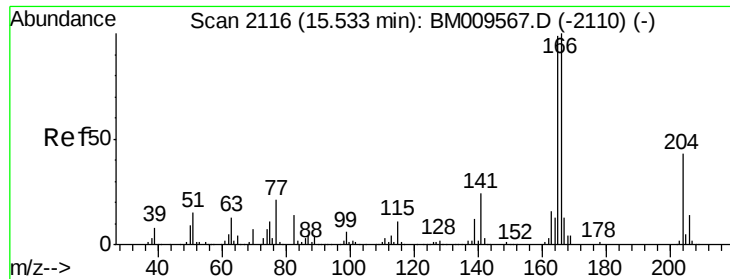
Delta R.T. 0.00 min

Lab File: BM009569.D

Acq: 05 Apr 2017 21:58

Tgt Ion:	153	Resp:	128267
Ion Ratio	Lower	Upper	
153	100		
152	44.8	37.9	56.9
154	90.4	71.6	107.4





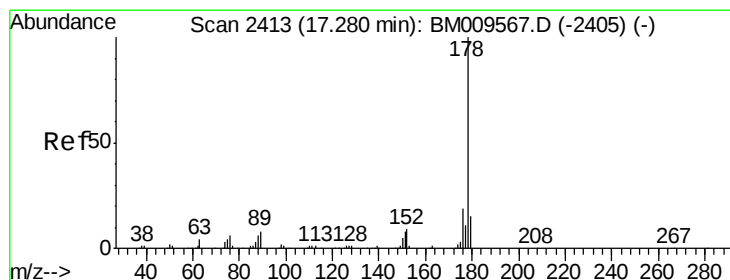
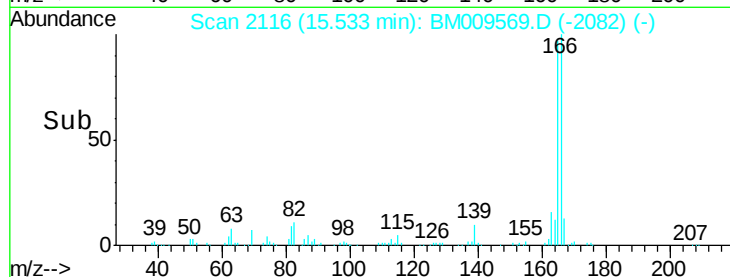
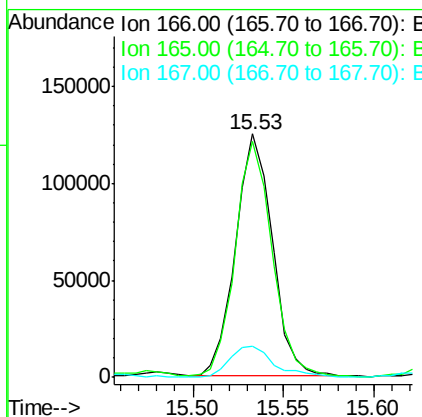
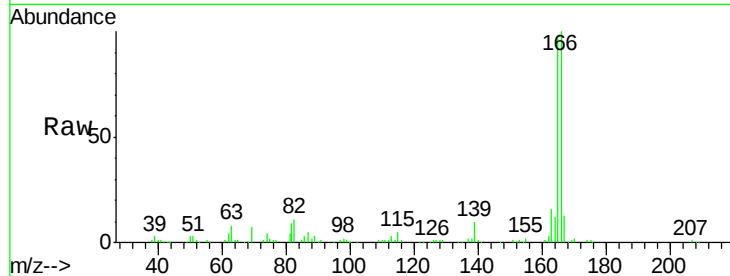
#11
Fluorene
 Concen: 6.62 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM009569.D
 Acq: 05 Apr 2017 21:58

Instrument :
 BNA_M
 ClientSampleId :
 CB342

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	80.0	120.0
167	12.9	11.6	17.4

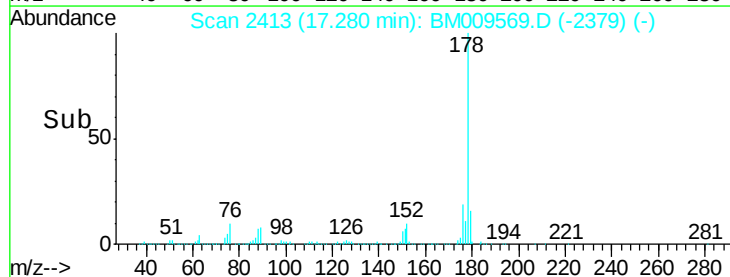
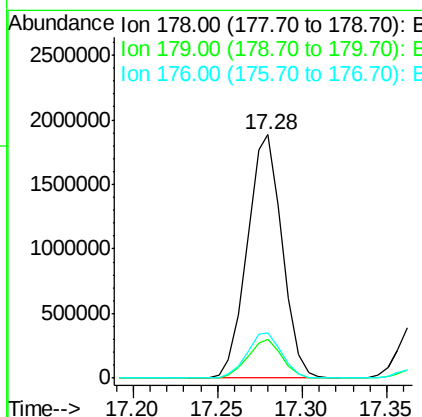
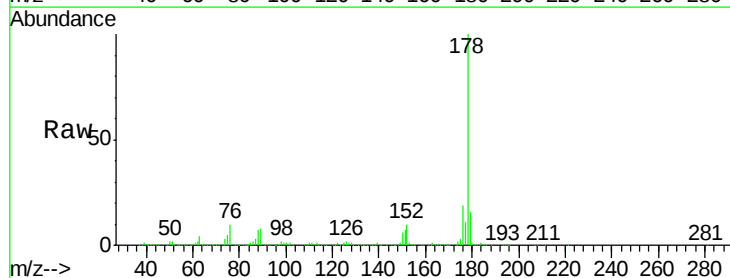
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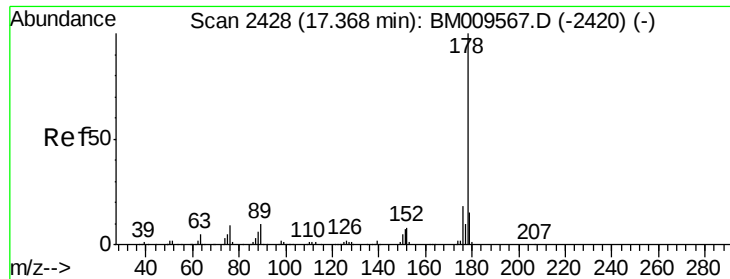
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#14
Phenanthrene
 Concen: 61.15 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM009569.D
 Acq: 05 Apr 2017 21:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	18.8	16.4	24.6





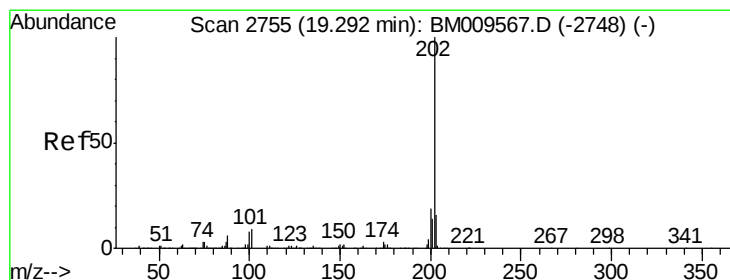
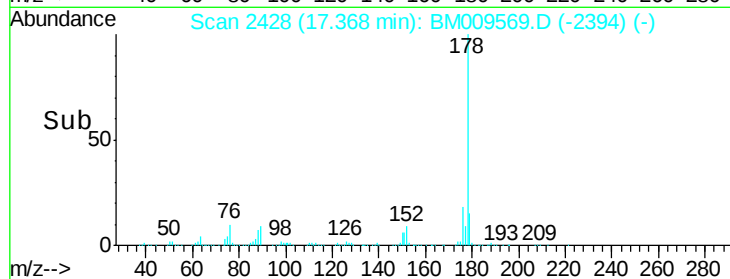
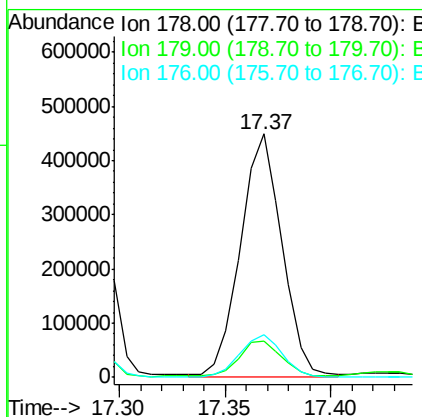
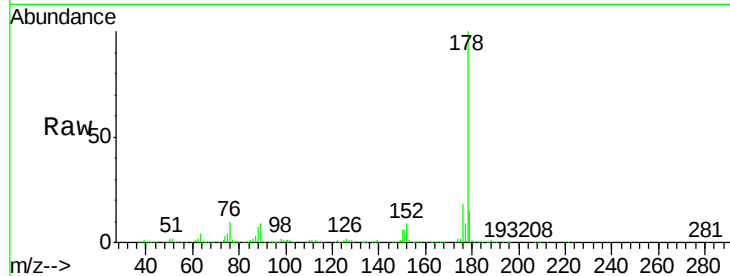
#16
 Anthracene
 Concen: 13.46 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009569.D
 Acq: 05 Apr 2017 21:58

Instrument :
 BNA_M
 ClientSampled :
 CB342

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.7	19.1
176	17.8	15.8	23.8

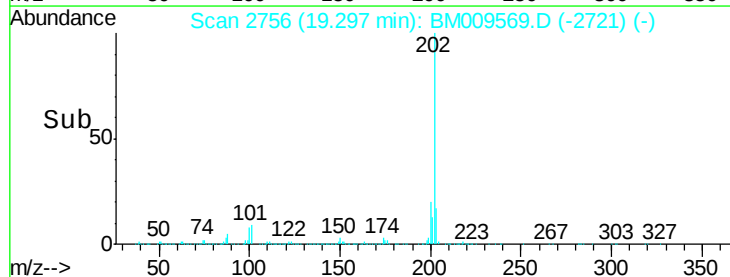
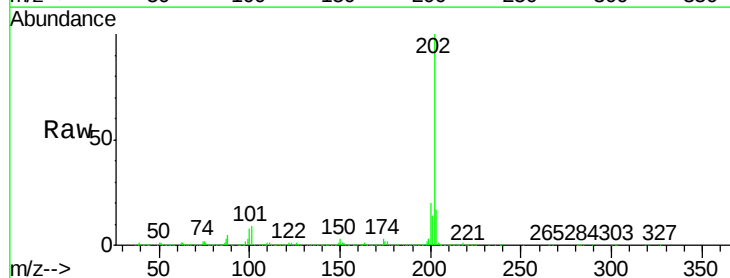
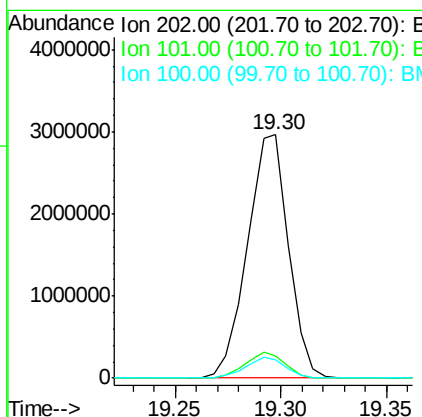
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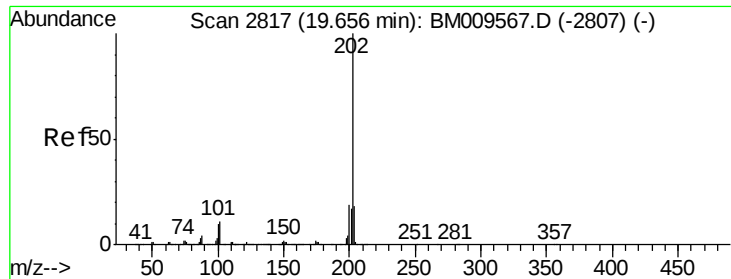
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#17
 Fluoranthene
 Concen: 73.09 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009569.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	9.8	14.8#
100	7.7	7.5	11.3





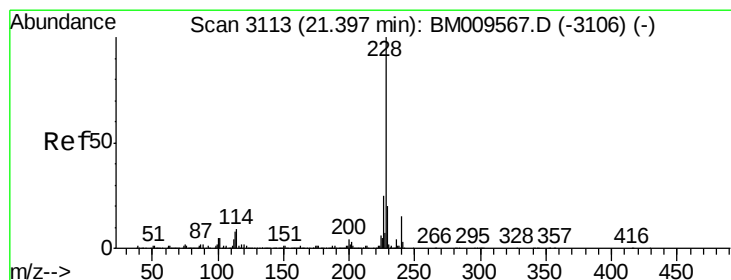
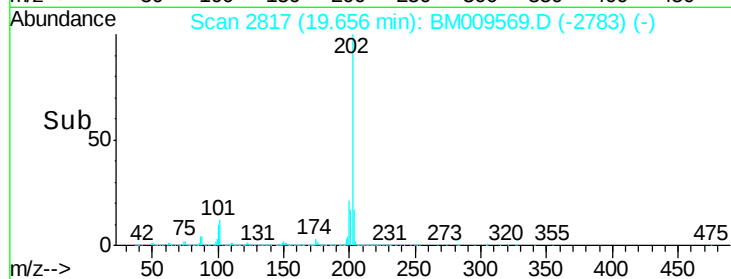
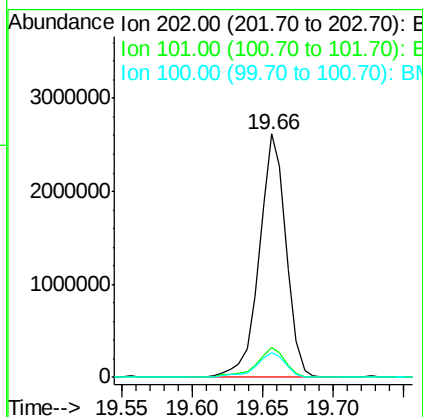
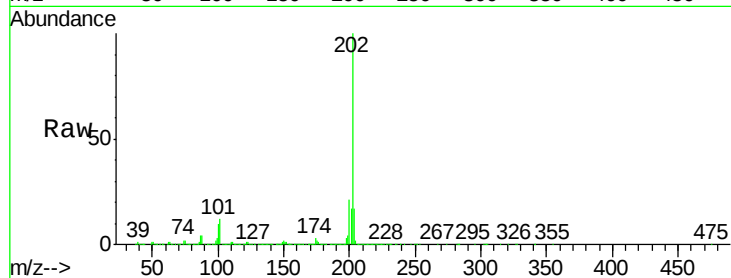
#20
Pvrene
Concen: 58.78 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM009569.D
Acq: 05 Apr 2017 21:58

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	11.2	16.8
100	10.3	9.8	14.6

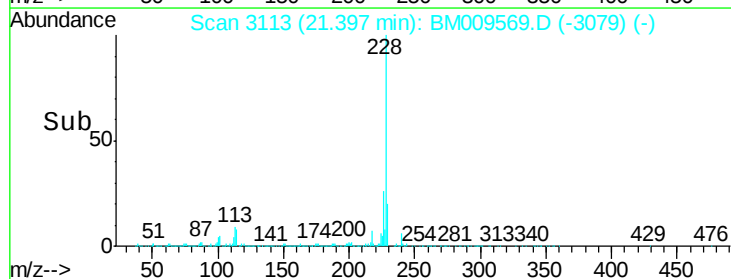
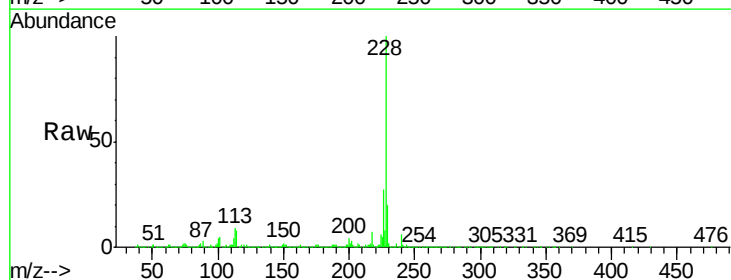
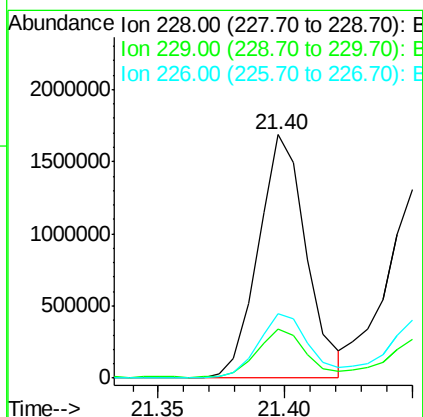
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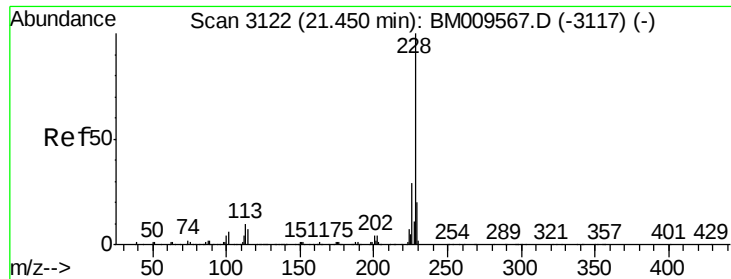
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#21
Benzo(a)anthracene
Concen: 36.00 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009569.D
Acq: 05 Apr 2017 21:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	26.6	22.1	33.1





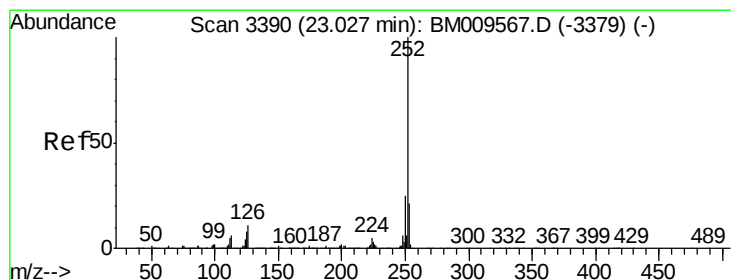
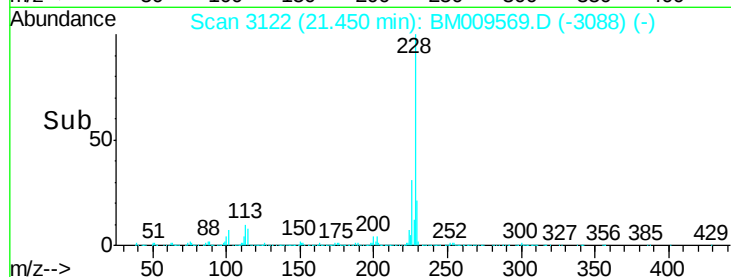
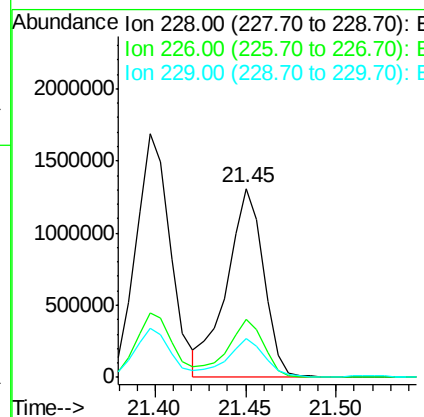
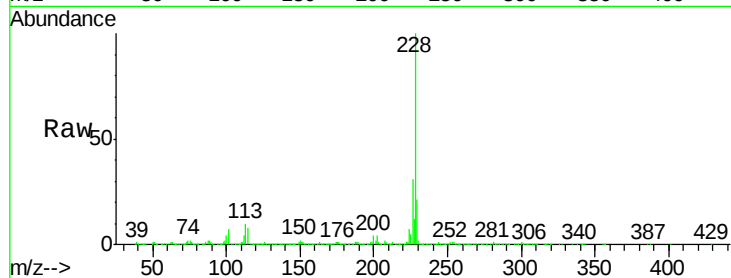
#22
Chrysene
Concen: 32.55 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM009569.D
Acq: 05 Apr 2017 21:58

Instrument :
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ClientSampled :
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Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	20.8	16.6	25.0

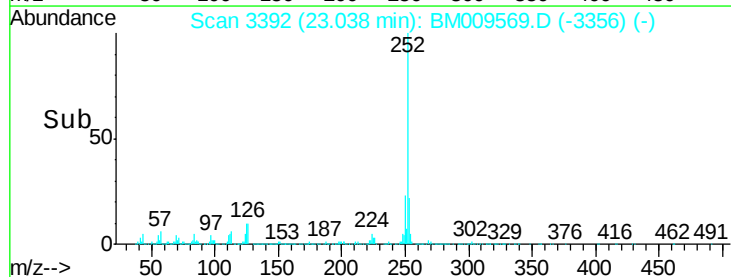
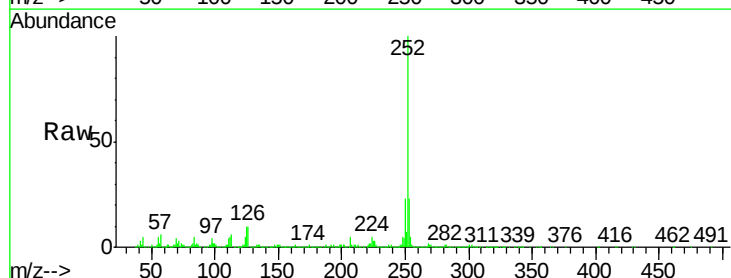
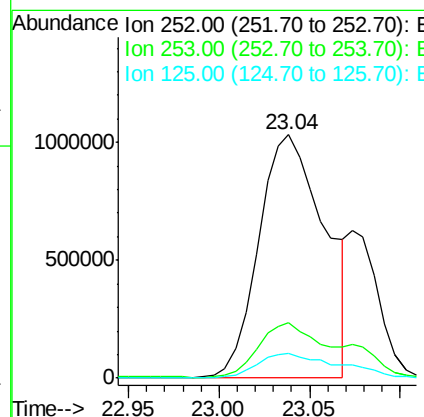
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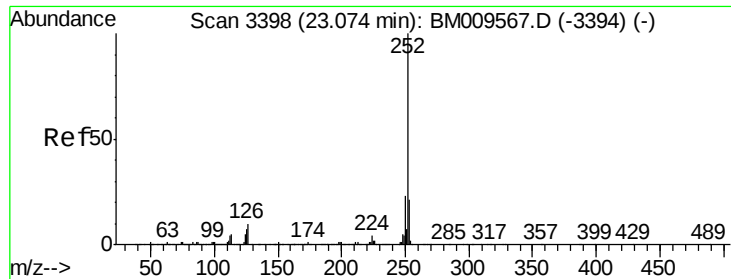
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#24
Benzo(b)fluoranthene
Concen: 40.58 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BM009569.D
Acq: 05 Apr 2017 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	10.0	9.4	14.0





#25

Benzo(k)fluoranthene

Concen: 11.82 ng/ul m

RT: 23.07 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM009569.D

Acq: 05 Apr 2017 21:58

Instrument :

BNA_M

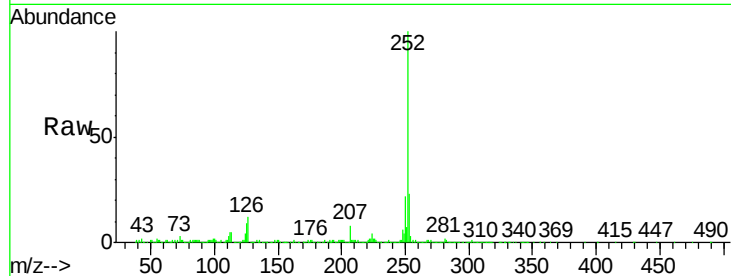
ClientSampleId :

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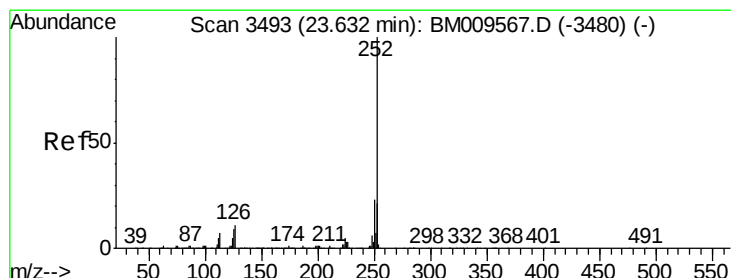
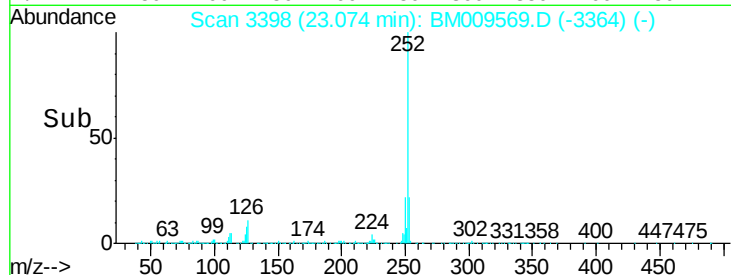
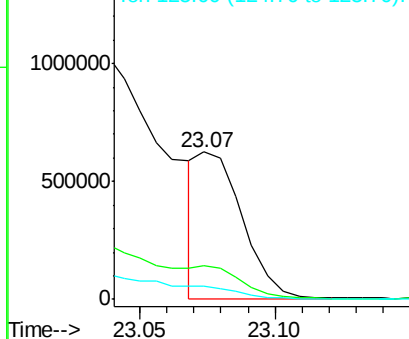
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	8.8	8.8	13.2

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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: 30.31 ng/ul

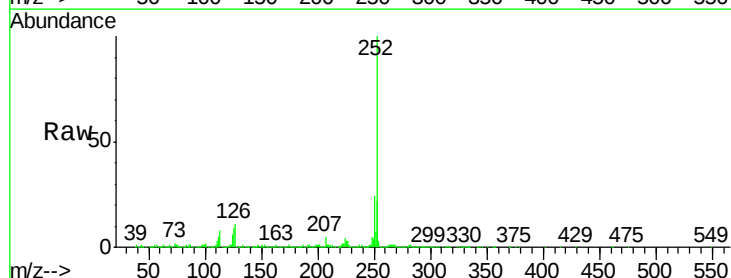
RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

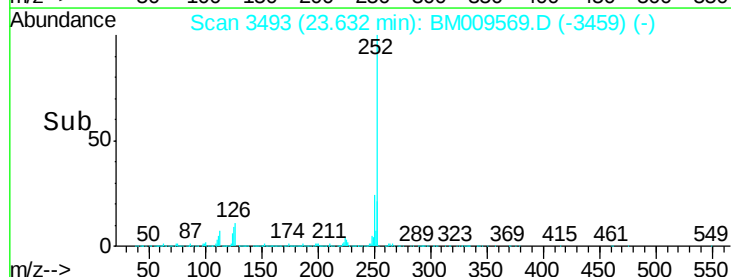
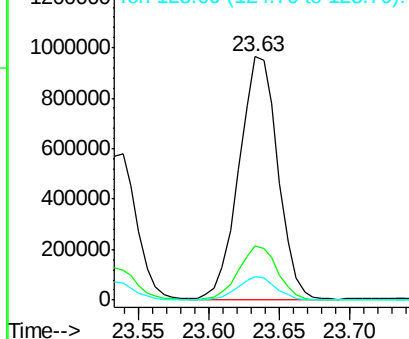
Lab File: BM009569.D

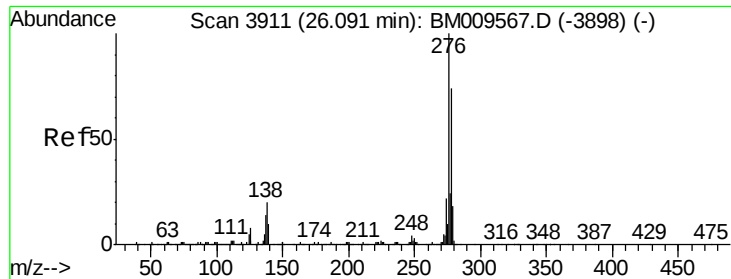
Acq: 05 Apr 2017 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.5	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





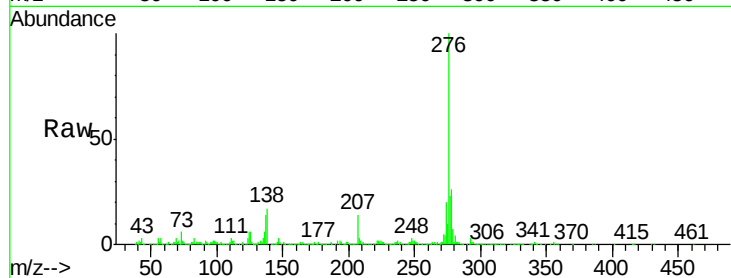
#28
Indeno(1,2,3-cd)pyrene
Concen: 15.92 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. 0.00 min
Lab File: BM009569.D
Acq: 05 Apr 2017 21:58

Instrument :
BNA_M
ClientSampled :
CB342

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.8	26.6#
277	23.2	19.4	29.0

Manual Integrations
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4/6/2017 11:39:20 AM

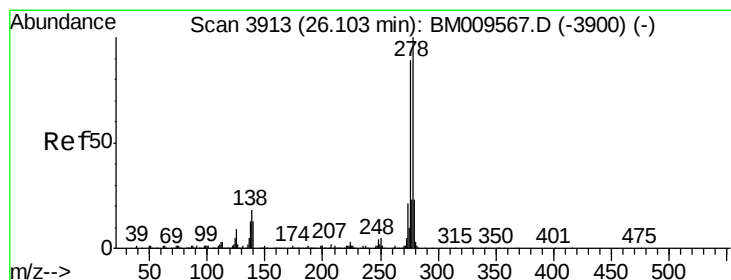
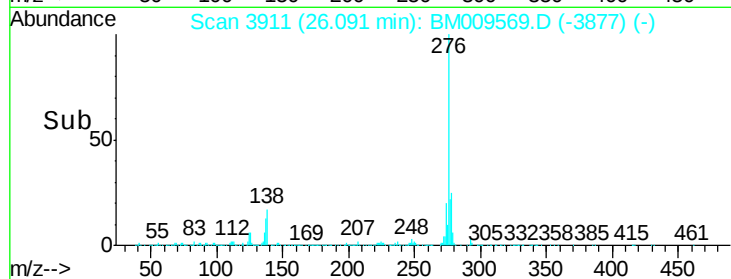
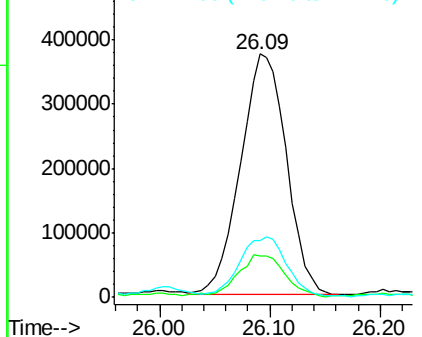


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#29
Dibenzo(a,h)anthracene
Concen: 5.57 ng/ul
RT: 26.10 min Scan# 3913
Delta R.T. 0.00 min
Lab File: BM009569.D
Acq: 05 Apr 2017 21:58

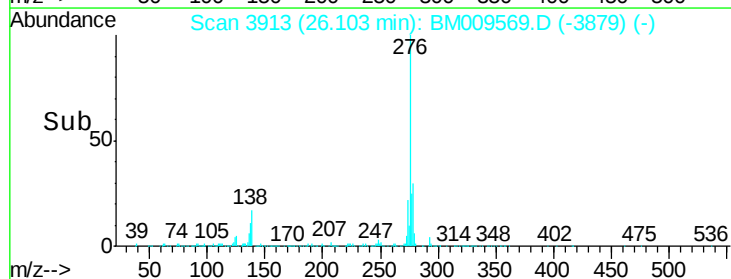
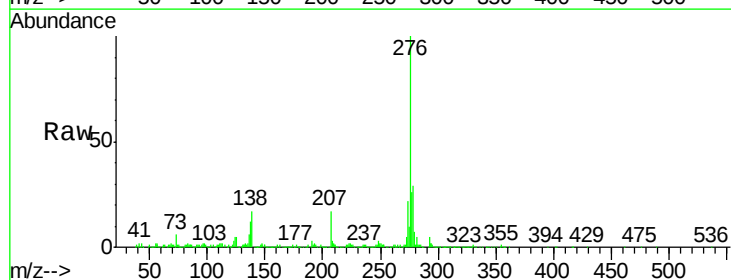
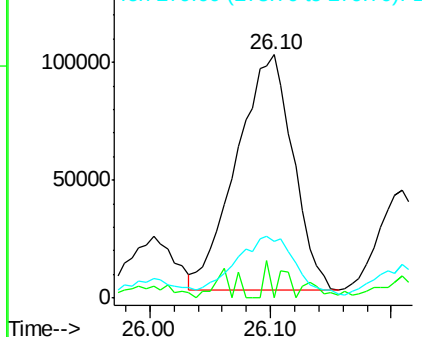
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	23.0	20.6	31.0

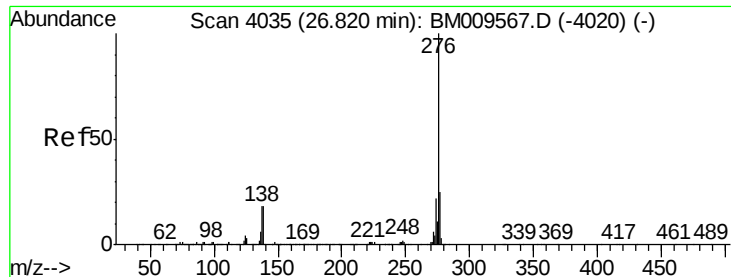
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





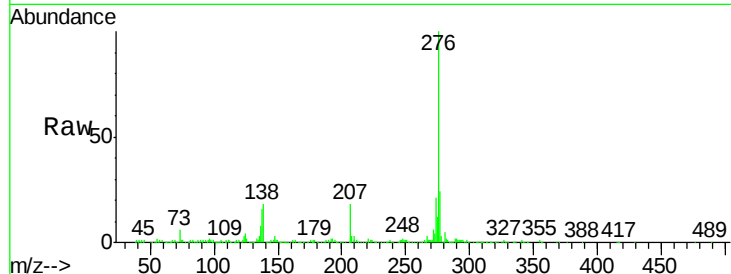
#30
 Benzo(a,h,i)perylene
 Concen: 16.90 ng/ul
 RT: 26.83 min Scan# 4036
 Delta R.T. 0.01 min
 Lab File: BM009569.D
 Acq: 05 Apr 2017 21:58

Instrument :
 BNA_M
 ClientSampleId :
 CB342

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.9	19.0	28.4#
277	24.0	19.7	29.5

Manual Integrations
 APPROVED

mohammad
 4/6/2017 11:39:20 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

