

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005687.D
 Acq On : 07 Jun 2016 01:48
 Operator : UM/SJ
 Sample : H3412-11 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT0

Manual Integrations
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Quant Time: Jun 07 05:23:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	108881	20.00	ng/ul	0.00
7) Naphthalene-d8	10.56	136	426401	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.41	164	195807	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.16	188	381088	20.00	ng/ul	0.01
29) Chrysene-d12	21.34	240	333045	20.00	ng/ul	0.02
34) Perylene-d12	23.61	264	421649	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	1898	0.73	ng/uL	0.00
3) Phenol-d5	6.95	99	56584	5.91	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	7.10	67	44836	7.70	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	55099	6.98	ng/ul	0.01
6) 4-Methylphenol-d8	8.48	113	27219	3.60	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	25954	7.93	ng/ul	0.00
9) 2-Nitrophenol-d4	9.65	143	23264	6.64	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.19	165	43713	7.02	ng/ul	0.01
12) 4-Chloroaniline-d4	10.70	131	43403	5.87	ng/ul	0.01
16) Dimethylphthalate-d6	13.82	166	126387	8.40	ng/ul	0.00
17) Acenaphthylene-d8	14.10	160	162204	8.28	ng/ul	0.01
20) 4-Nitrophenol-d4	14.65	143	7057	3.27	ng/ul	0.03
21) Fluorene-d10	15.40	176	108769	8.41	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
26) Anthracene-d10	17.26	188	156960	8.67	ng/ul	0.01
30) Pyrene-d10	19.55	212	157439	9.41	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.47	264	166242	8.57	ng/ul	0.03

Target Compounds

						Qvalue
11) Naphthalene	10.61	128	1508694	69.60	ng/ul	99
13) 2-Methylnaphthalene	12.22	142	224747	14.92	ng/ul	98
14) 1-Methylnaphthalene	12.44	142	125738	8.48	ng/ul#	97
18) Acenaphthylene	14.13	152	36183	1.79	ng/ul#	96
19) Acenaphthene	14.47	153	684721	52.07	ng/ul	95
22) Fluorene	15.46	166	624533	43.89	ng/ul	95
25) Phenanthrene	17.21	178	4545983	216.09	ng/ul	96
27) Anthracene	17.29	178	1495519	69.98	ng/ul	99
28) Fluoranthene	19.23	202	5232749	243.37	ng/ul	97
31) Pyrene	19.59	202	4417769	210.23	ng/ul	97
32) Benzo(a)anthracene	21.33	228	2491668	127.56	ng/ul	97
33) Chrysene	21.39	228	2252651	122.05	ng/ul	95
35) Benzo(b)fluoranthene	22.94	252	3278069	128.92	ng/ul	98
36) Benzo(k)fluoranthene	22.98	252	1165167m	48.84	ng/ul	
38) Benzo(a)pyrene	23.53	252	2359438	96.39	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.93	276	1847077	63.78	ng/ul	98
40) Dibenzo(a,h)anthracene	25.93	278	478616m	19.70	ng/ul	
41) Benzo(g,h,i)perylene	26.65	276	1721255	70.85	ng/ul#	96

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

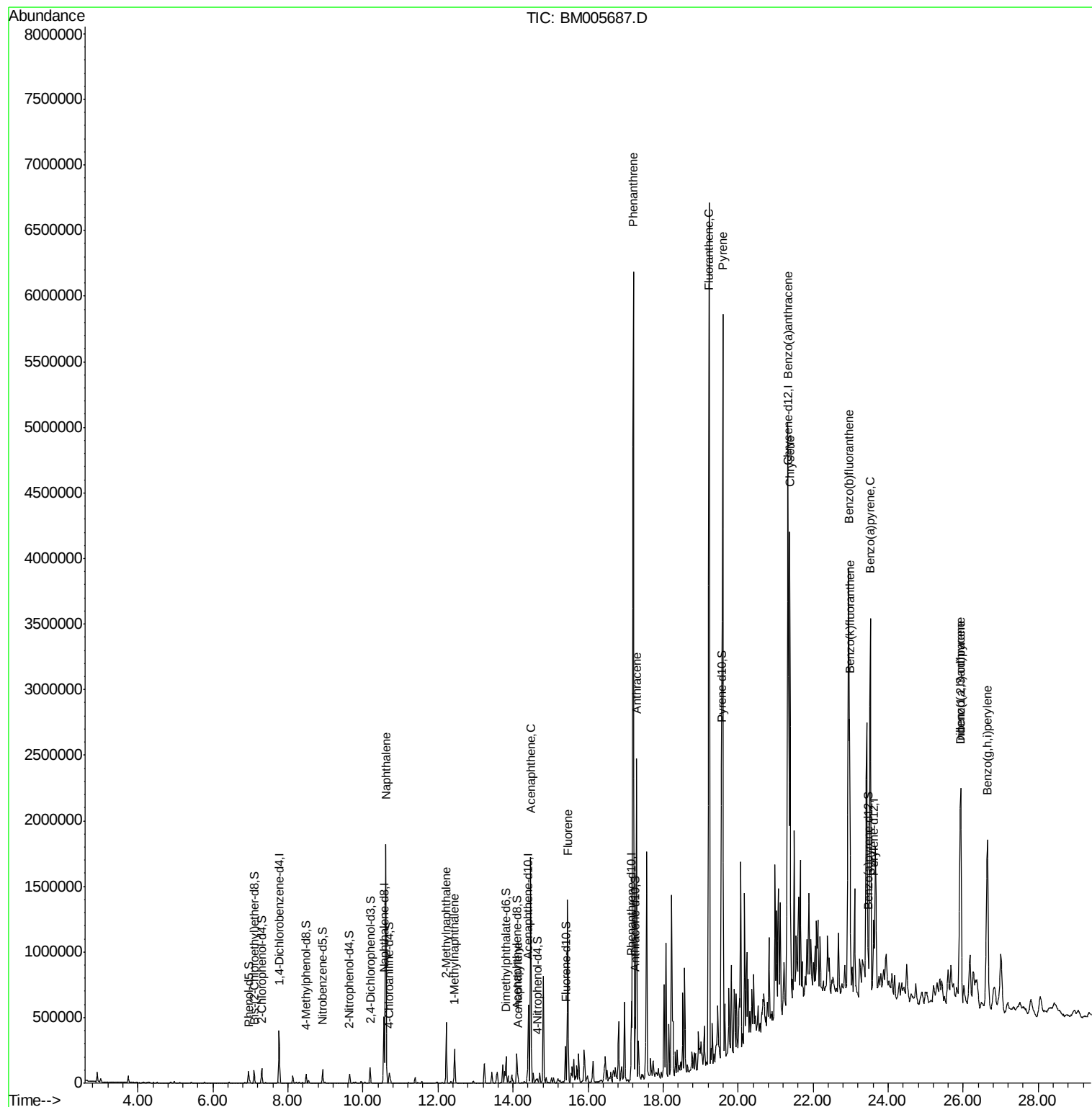
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
Data File : BM005687.D
Acq On : 07 Jun 2016 01:48
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ALS Vial : 26 Sample Multiplier: 1

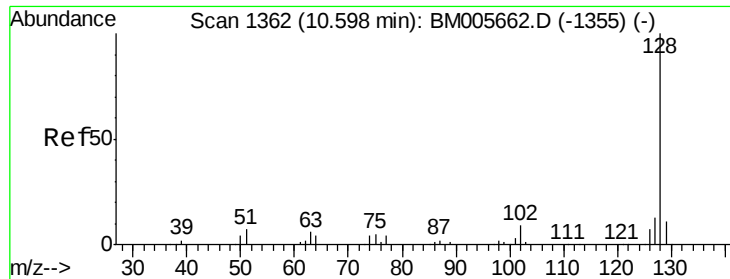
Instrument :
BNA_M
ClientSampled :
D9XT0

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Quant Time: Jun 07 05:23:03 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 07 04:25:20 2016
Response via : Initial Calibration





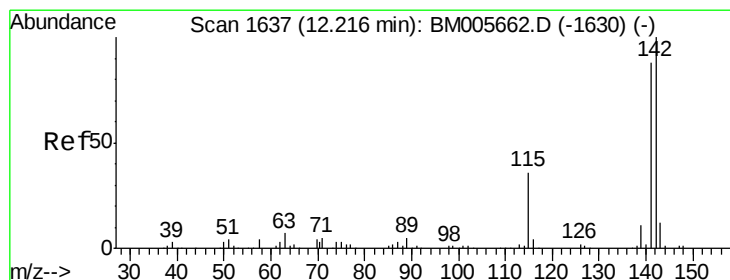
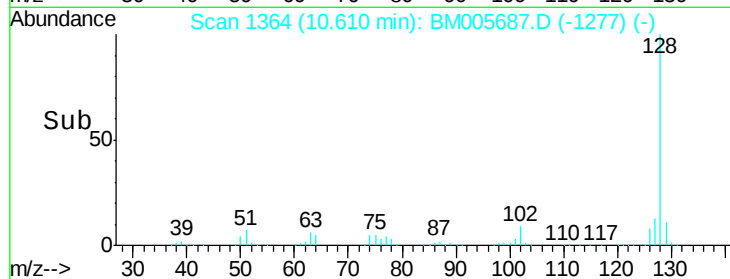
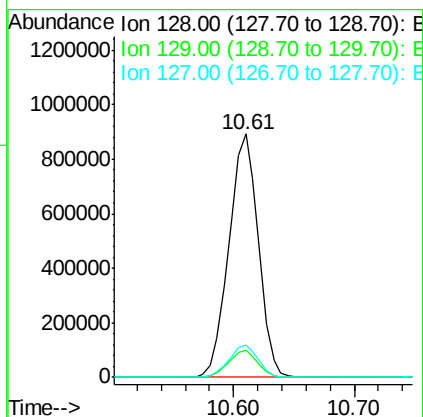
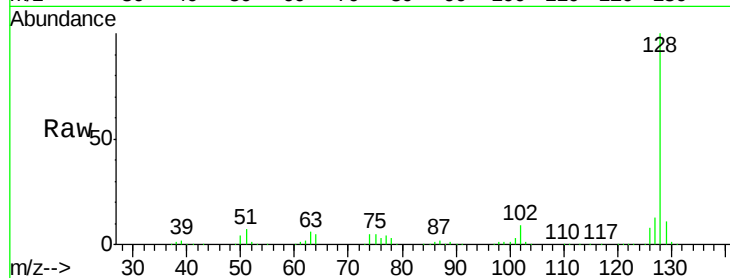
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Naphthalene
Concen: 69.60 ng/ul
RT: 10.61 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.1	10.8	16.2

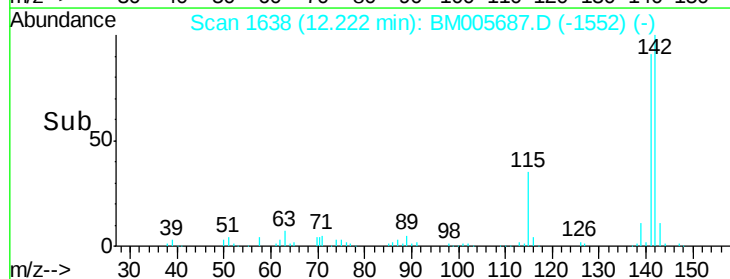
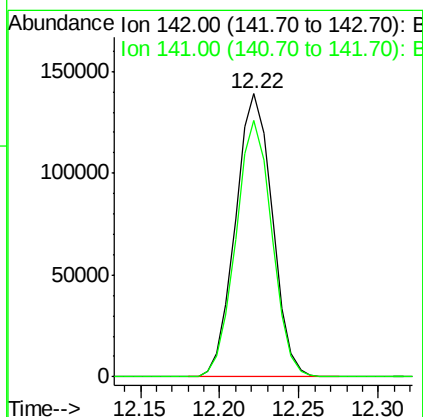
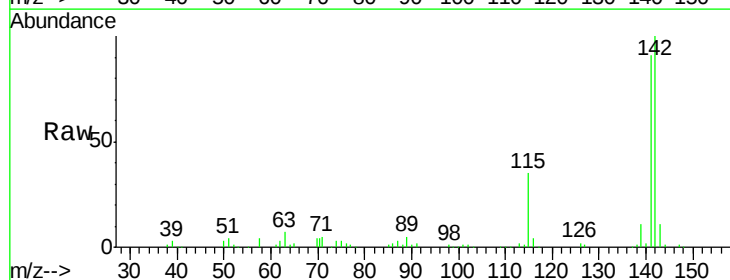
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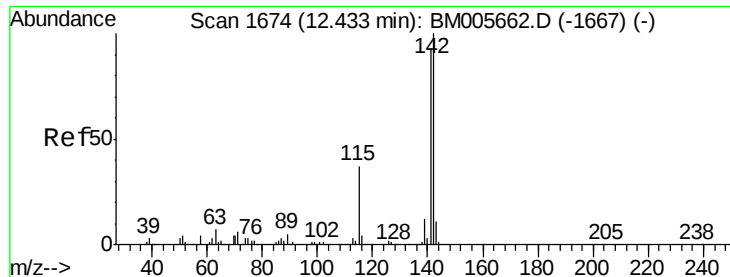
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#13
2-Methylnaphthalene
Concen: 14.92 ng/ul
RT: 12.22 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.3	106.9





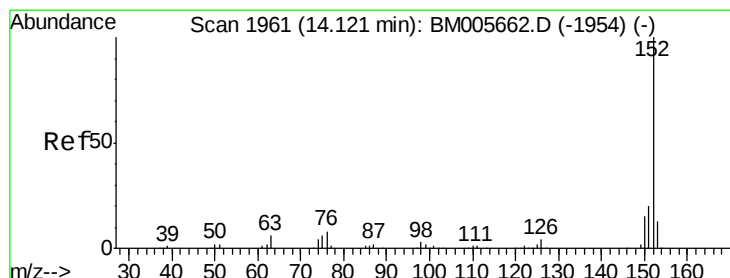
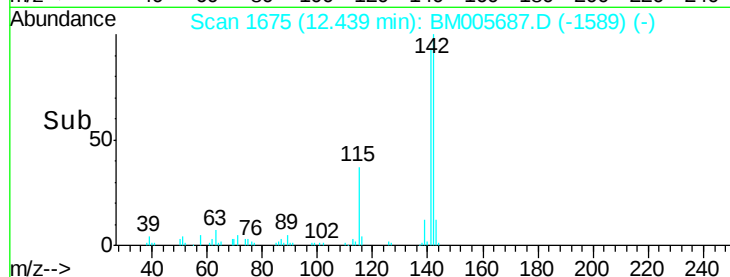
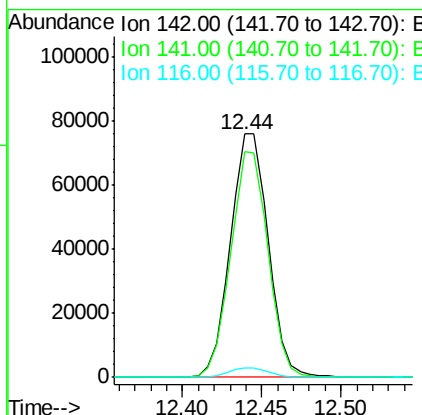
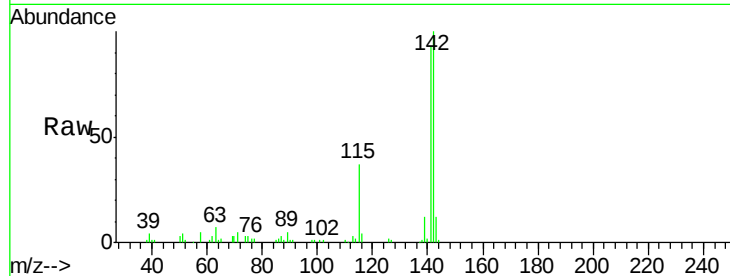
#14
1-Methylnaphthalene
Concen: 8.48 ng/ul
RT: 12.44 min Scan# 1675
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	77.0	115.4
116	4.1	4.2	6.4#

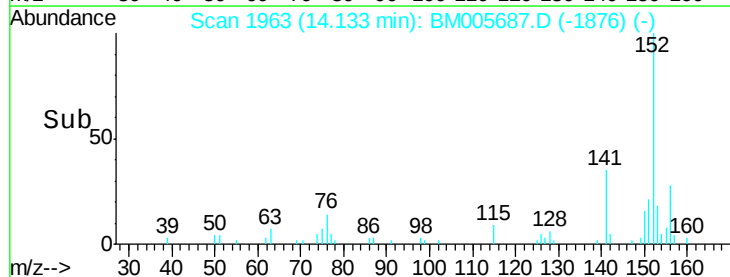
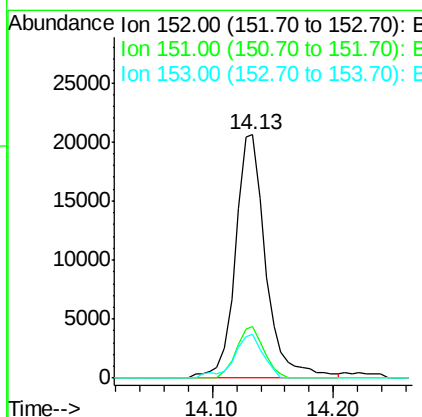
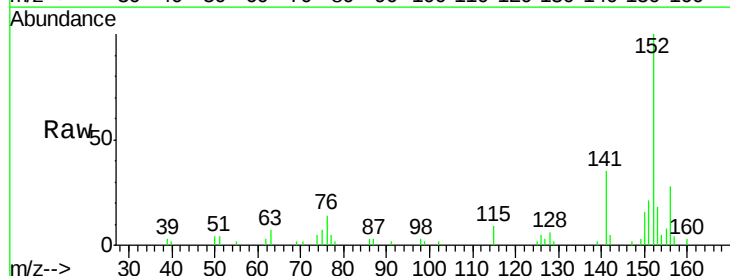
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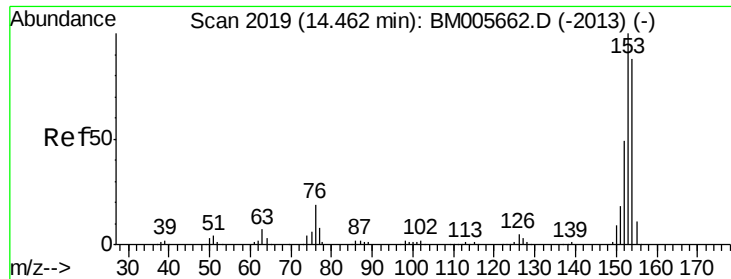
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#18
Acenaphthylene
Concen: 1.79 ng/ul
RT: 14.13 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.3	25.9
153	17.9	11.1	16.7#





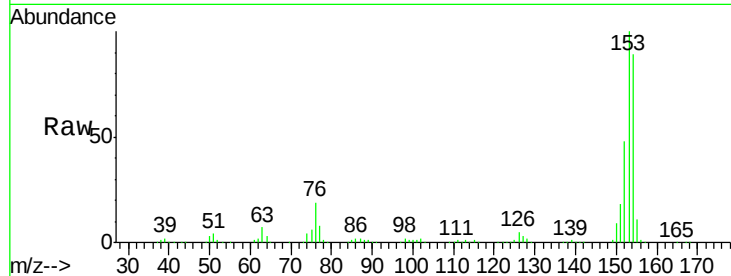
#19
Acenaphthene
Concen: 52.07 ng/ul
RT: 14.47 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

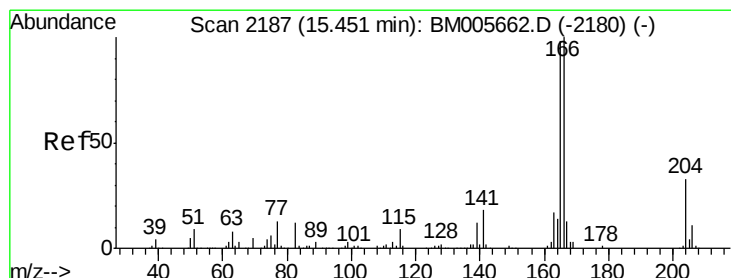
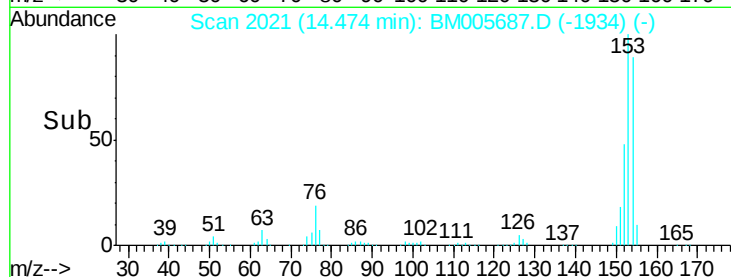
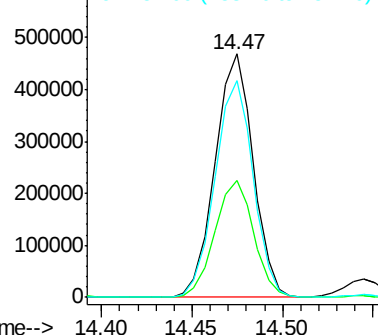
Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.8	36.5	54.7
154	89.2	67.3	100.9

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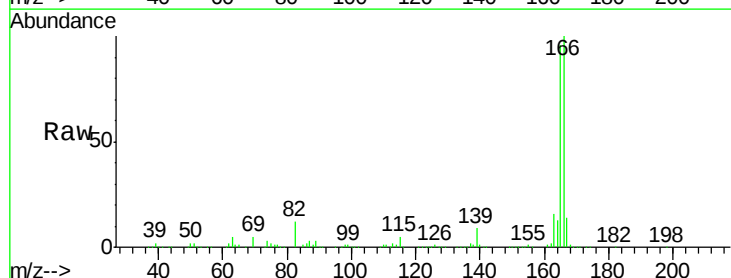


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

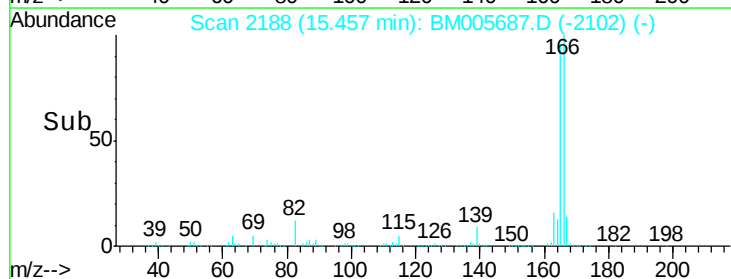
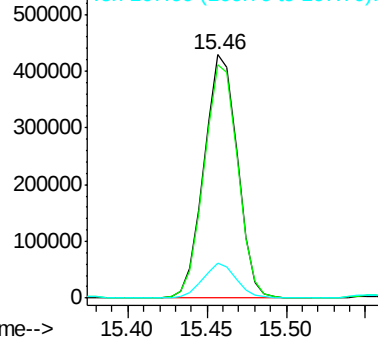


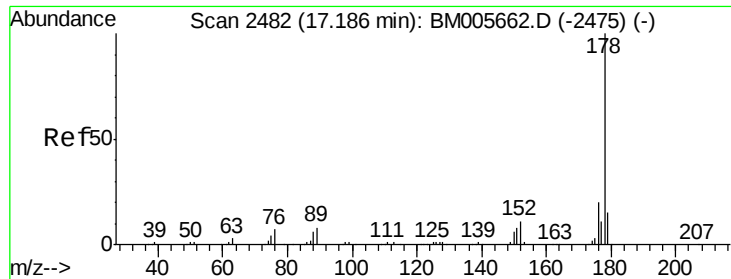
#22
Fluorene
Concen: 43.89 ng/ul
RT: 15.46 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	81.1	121.7
167	14.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





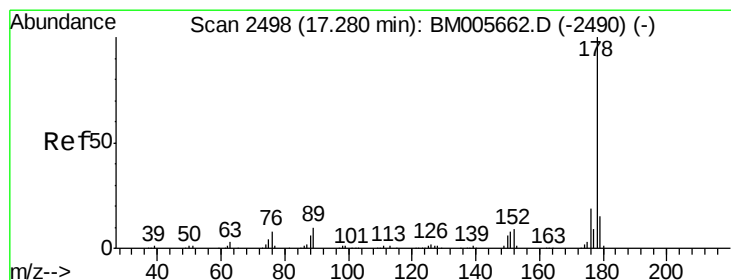
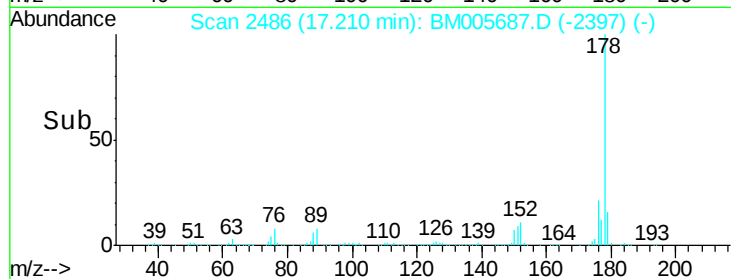
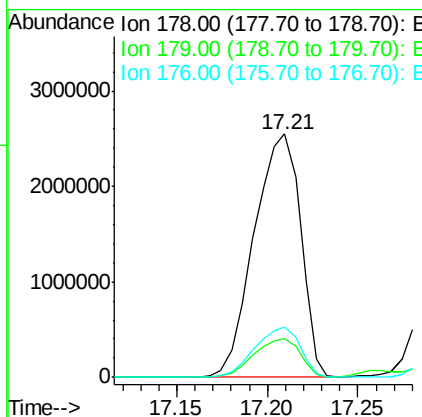
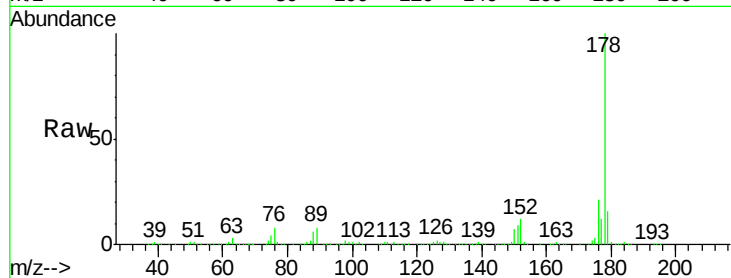
#25
Phenanthrene
Concen: 216.09 ng/u1
RT: 17.21 min Scan# 2486
Delta R.T. 0.02 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion:178 Resp: 4545983
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.8
176 20.6 14.8 22.2

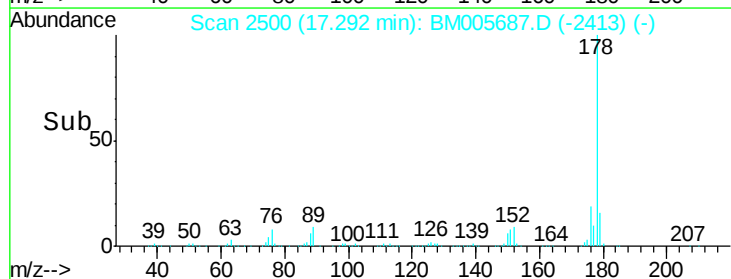
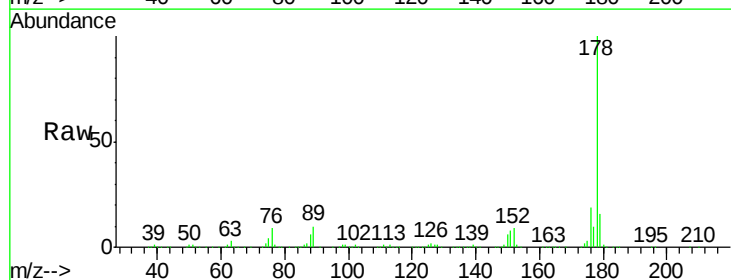
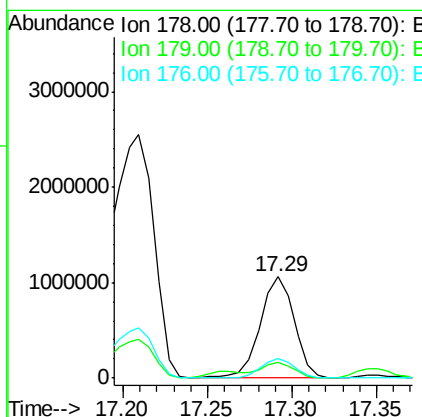
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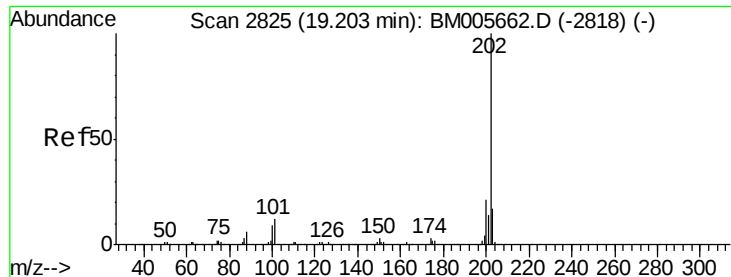
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#27
Anthracene
Concen: 69.98 ng/u1
RT: 17.29 min Scan# 2500
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion:178 Resp: 1495519
Ion Ratio Lower Upper
178 100
179 15.6 12.9 19.3
176 19.0 15.6 23.4





#28

Fluoranthene

Concen: 243.37 ng/u1

RT: 19.23 min Scan# 2829

Delta R.T. 0.02 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Instrument :

BNA_M

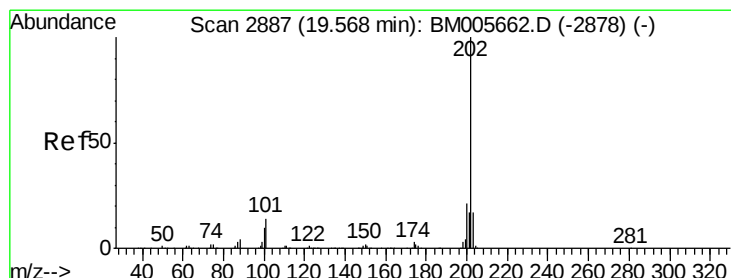
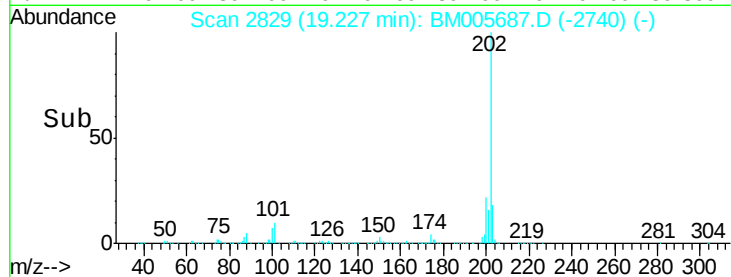
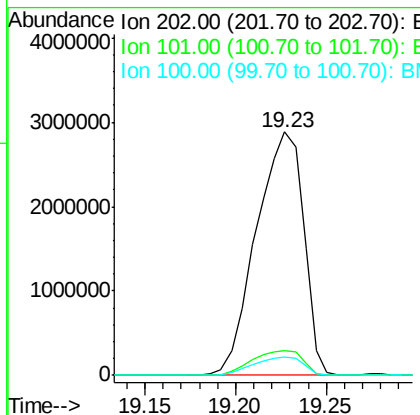
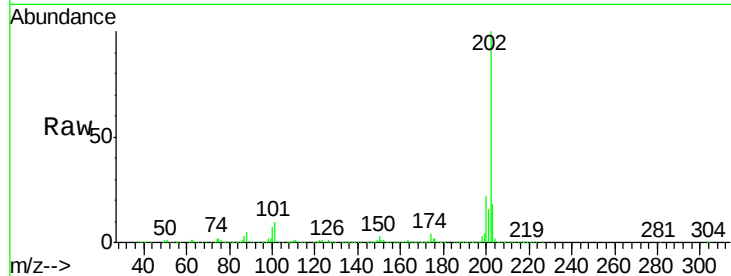
ClientSampleId :

D9XT0

Tgt Ion:	202	Resp:	5232749
Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.9	13.3
100	7.3	7.0	10.4

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#31

Pyrene

Concen: 210.23 ng/u1

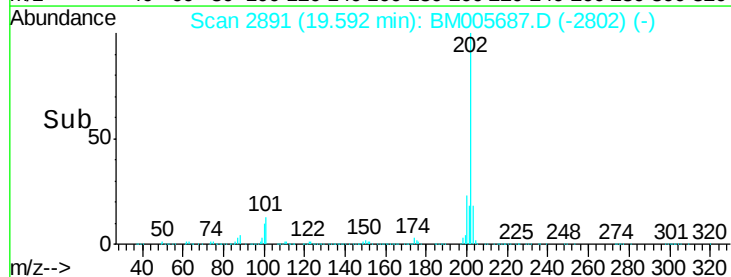
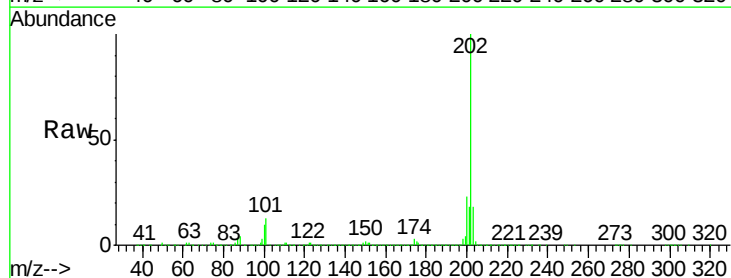
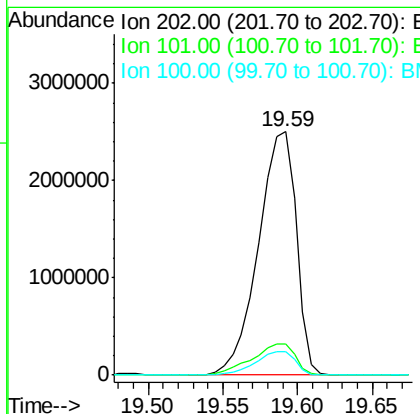
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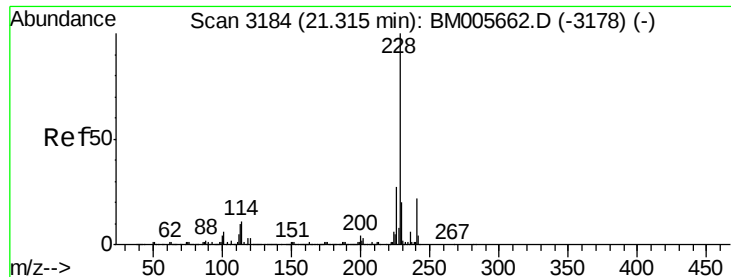
Delta R.T. 0.02 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Tgt Ion:	202	Resp:	4417769
Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.8	14.8
100	9.7	9.3	13.9





#32

Benzo(a)anthracene

Concen: 127.56 ng/ul

RT: 21.33 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Instrument :

BNA_M

ClientSampleId :

D9XT0

Tgt Ion:228 Resp: 2491668

Ion Ratio Lower Upper

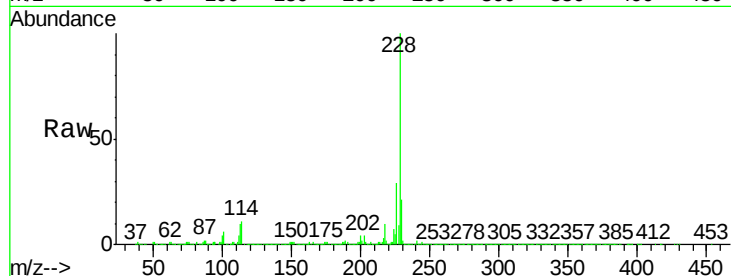
228 100

229 21.0 16.6 25.0

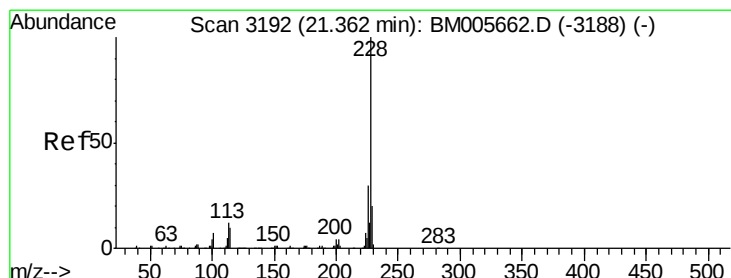
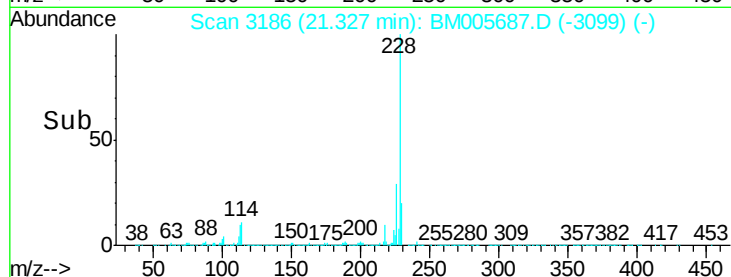
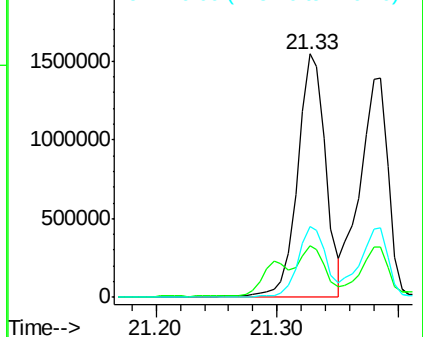
226 29.1 21.0 31.4

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



#33

Chrysene

Concen: 122.05 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.02 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Tgt Ion:228 Resp: 2252651

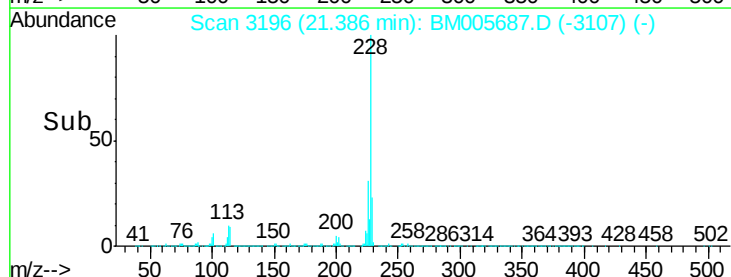
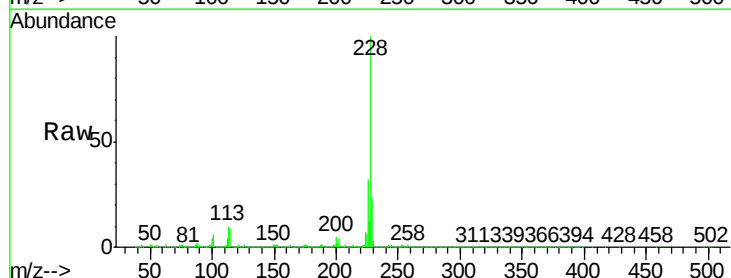
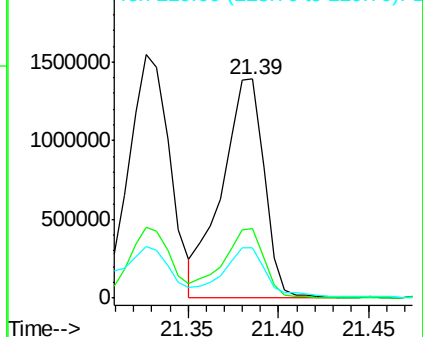
Ion Ratio Lower Upper

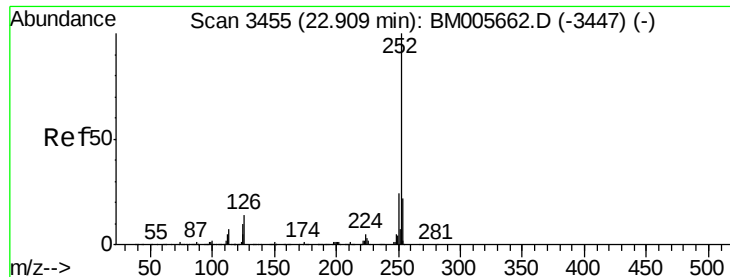
228 100

226 31.6 23.4 35.2

229 23.2 16.2 24.2

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





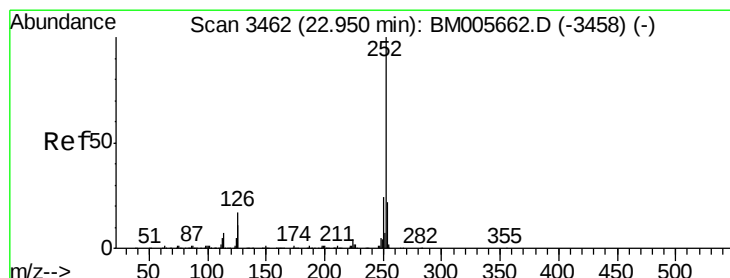
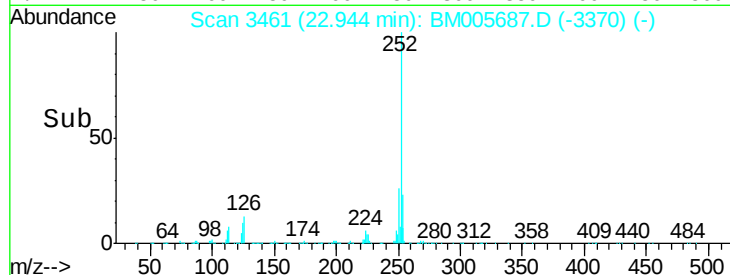
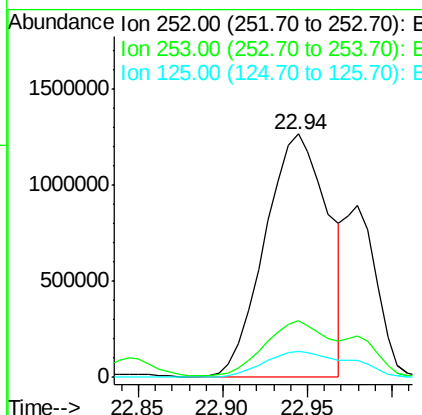
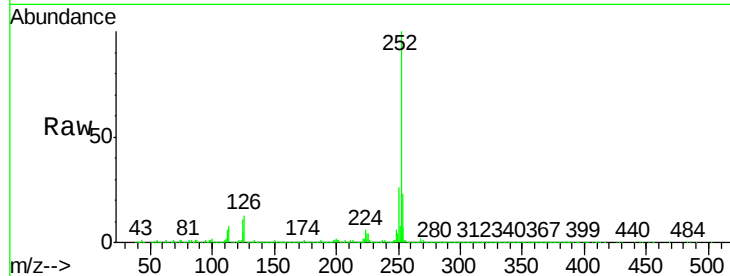
#35
Benzo(b)fluoranthene
Concen: 128.92 ng/ul
RT: 22.94 min Scan# 3461
Delta R.T. 0.04 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	10.6	7.6	11.4

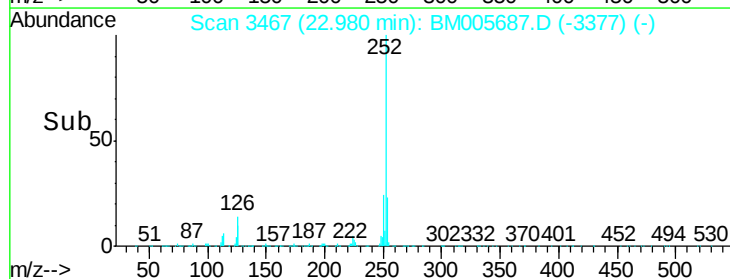
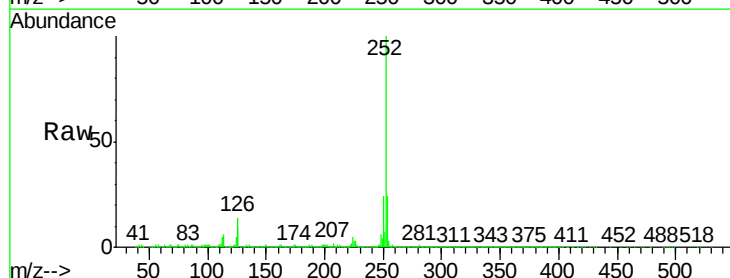
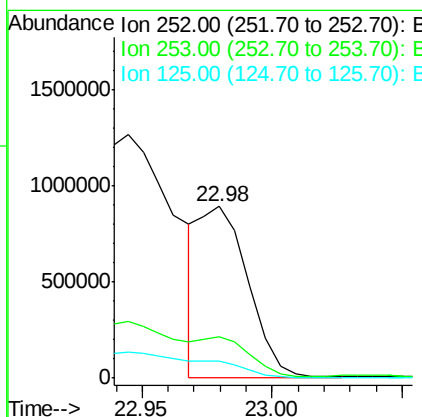
Manual Integrations
APPROVED

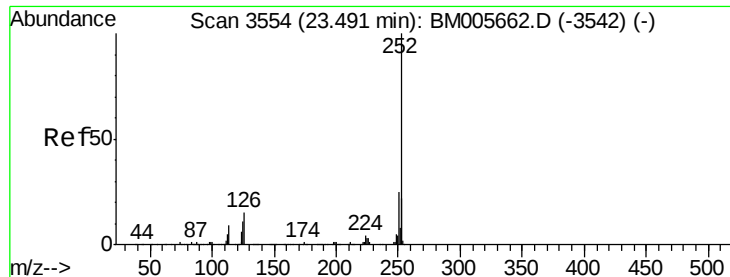
sohil
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#36
Benzo(k)fluoranthene
Concen: 48.84 ng/ul m
RT: 22.98 min Scan# 3467
Delta R.T. 0.03 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	9.9	7.7	11.5





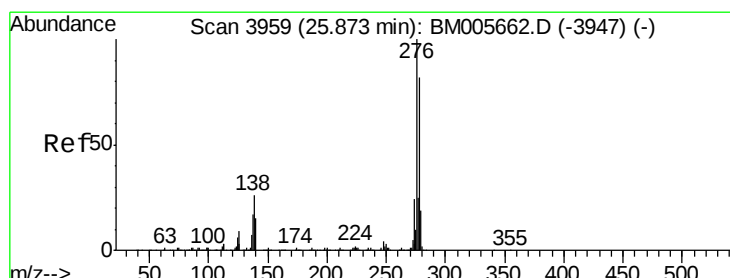
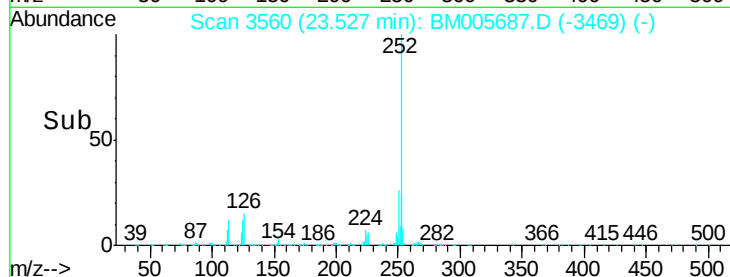
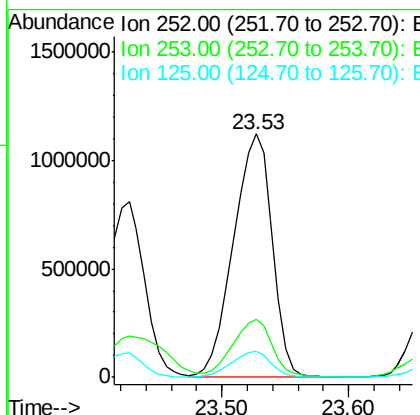
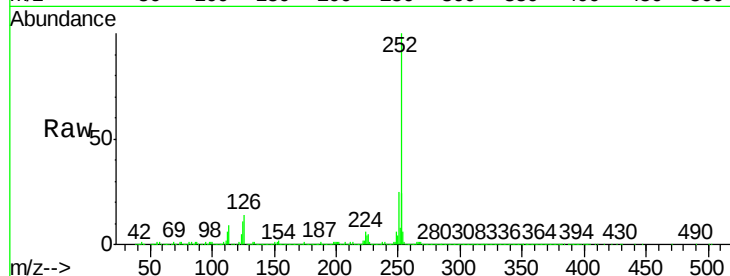
#38
Benzo(a)pyrene
Concen: 96.39 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. 0.04 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	10.8	8.2	12.2

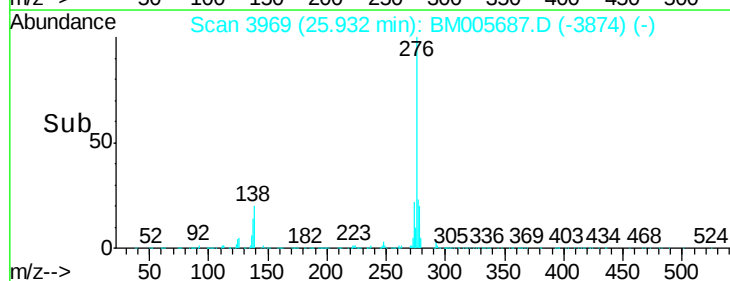
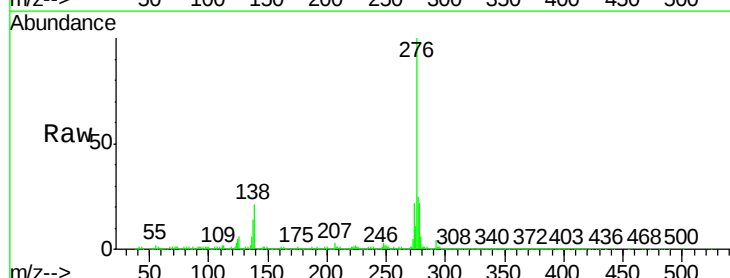
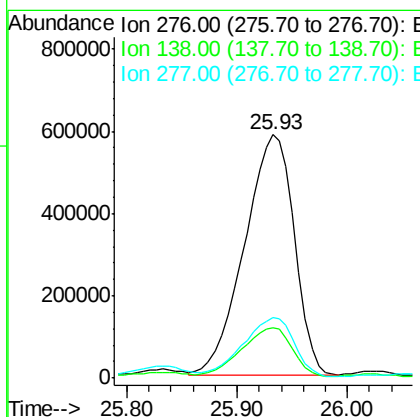
Manual Integrations
APPROVED

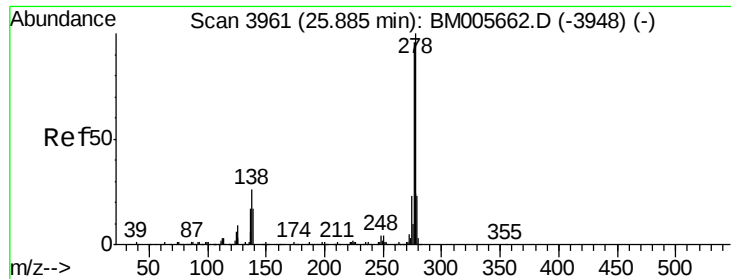
sohil
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#39
Indeno(1,2,3-cd)pyrene
Concen: 63.78 ng/ul
RT: 25.93 min Scan# 3969
Delta R.T. 0.06 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	15.8	23.6
277	24.8	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 19.70 ng/ul m

RT: 25.93 min Scan# 3968

Delta R.T. 0.04 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Instrument :

BNA_M

ClientSampleId :

D9XT0

Tgt Ion: 278 Resp: 478616

Ion Ratio Lower Upper

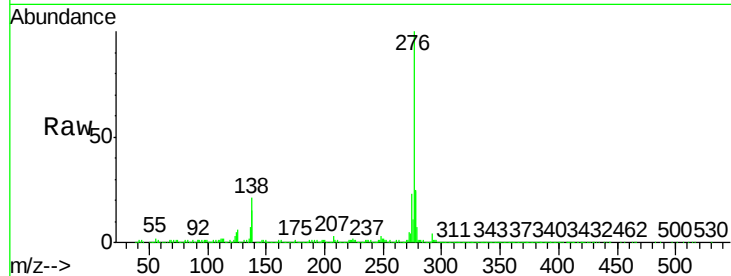
278 100

139 0.0 12.1 18.1#

279 28.8 19.8 29.8

Manual Integrations
APPROVED

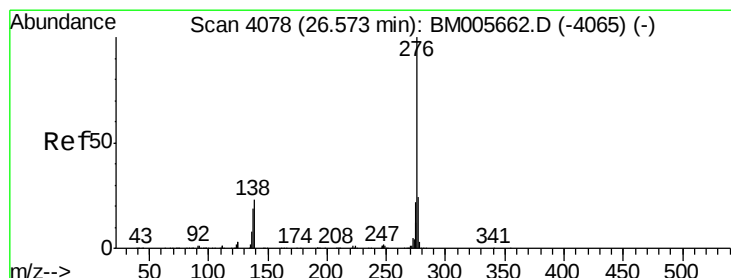
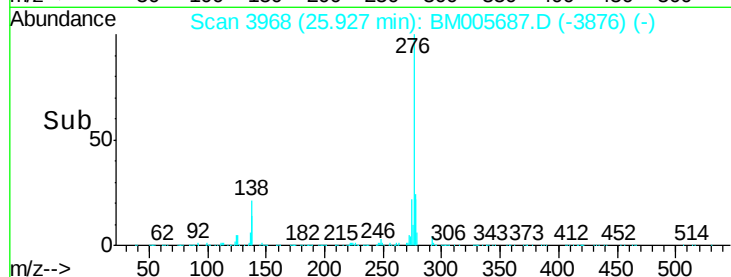
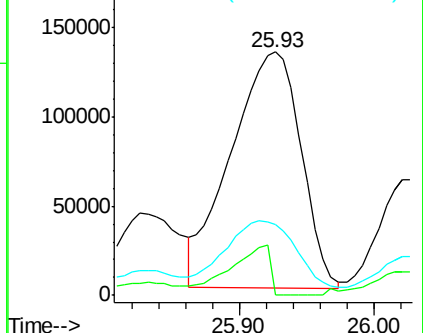
sohil
6/7/2016 7:14:14 PM



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



#41

Benzo(g,h,i)perylene

Concen: 70.85 ng/ul

RT: 26.65 min Scan# 4091

Delta R.T. 0.08 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Tgt Ion: 276 Resp: 1721255

Ion Ratio Lower Upper

276 100

138 21.2 13.9 20.9#

277 25.3 19.8 29.6

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

