

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009624.D
 Acq On : 07 Apr 2017 12:14
 Operator : SJ/MA
 Sample : I2525-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB369

Manual Integrations
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 4/10/2017 1:23:19 PM

Quant Time: Apr 07 12:57:41 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	146817	20.00	ng/ul	0.00
2) Naphthalene-d8	10.63	136	584481	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	331594	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	759290	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	982348	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	959619	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	194725	21.67	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1148705	35.35	ng/ul	0.00
10) Fluorene-d10	15.48	176	799502	34.21	ng/ul	0.00
15) Anthracene-d10	17.33	188	1288725m	35.48	ng/ul	0.00
19) Pyrene-d10	19.63	212	1532060	37.95	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1521550	35.91	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	64509	2.15	ng/ul#	95
5) 2-Methylnaphthalene	12.30	142	44807	2.05	ng/ul	84
8) Acenaphthylene	14.21	152	86166	2.64	ng/ul	99
9) Acenaphthene	14.54	153	30879	1.38	ng/ul	94
11) Fluorene	15.53	166	39527	1.44	ng/ul	99
14) Phenanthrene	17.28	178	845646	19.81	ng/ul	96
16) Anthracene	17.37	178	205496	4.66	ng/ul	99
17) Fluoranthene	19.29	202	1807911	34.01	ng/ul	97
20) Pyrene	19.66	202	1746437	32.65	ng/ul#	93
21) Benzo(a)anthracene	21.40	228	1032249	18.59	ng/ul	100
22) Chrysene	21.45	228	1009152	19.82	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	1547987	26.08	ng/ul#	83
25) Benzo(k)fluoranthene	23.08	252	424006m	7.50	ng/ul	
27) Benzo(a)pyrene	23.64	252	1030096m	18.26	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.11	276	751644	11.88	ng/ul#	95
29) Dibenzo(a,h)anthracene	26.12	278	207401	3.86	ng/ul#	89
30) Benzo(g,h,i)perylene	26.85	276	680728	13.05	ng/ul#	92

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

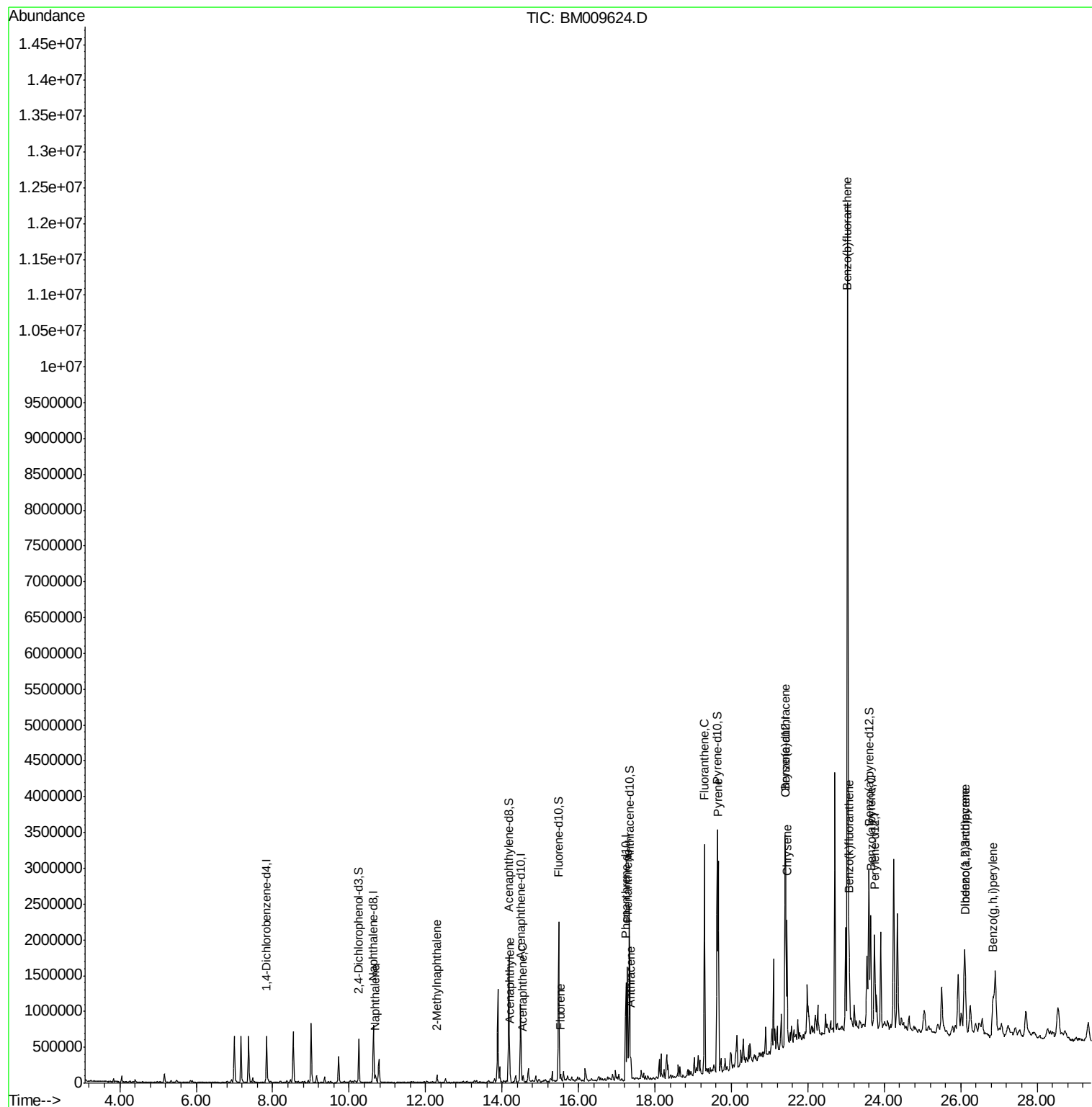
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
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ALS Vial : 7 Sample Multiplier: 1

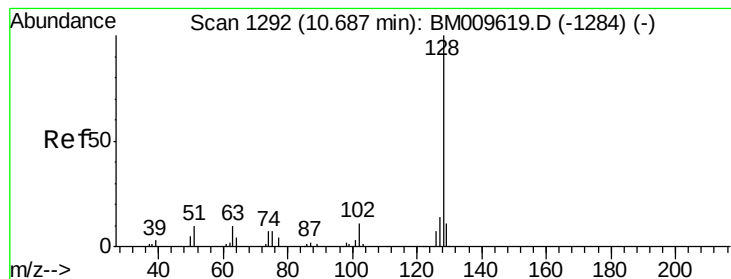
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 2.15 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

Instrument :

BNA_M

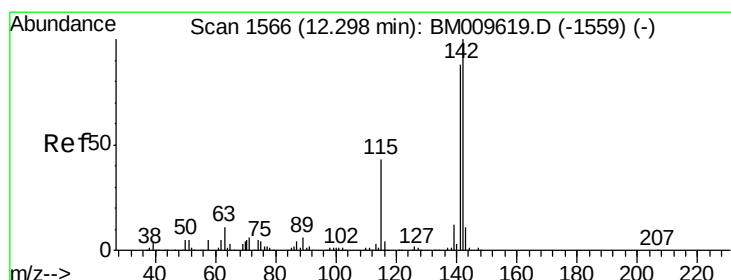
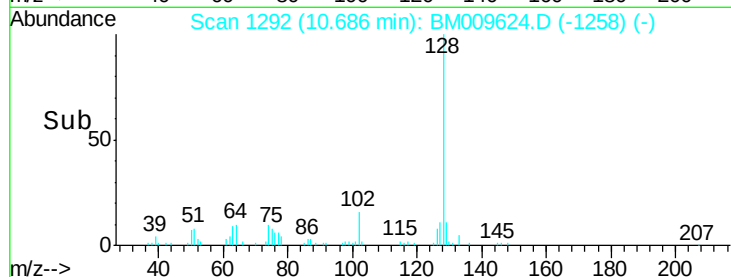
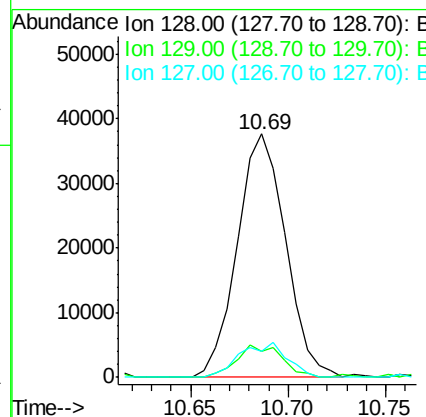
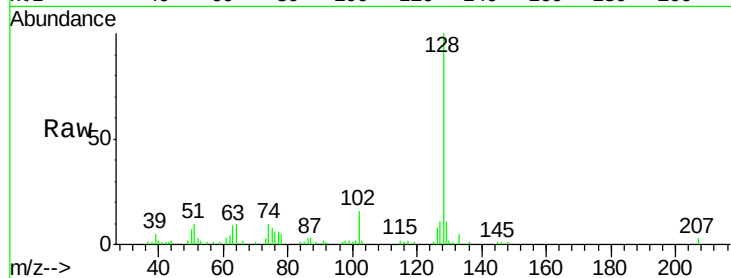
ClientSampled :

CB369

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.1	13.7
127	10.5	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 2.05 ng/ul

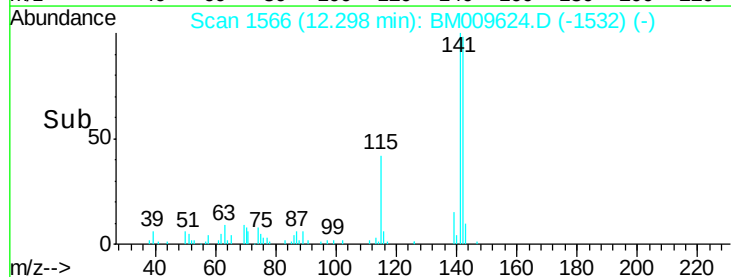
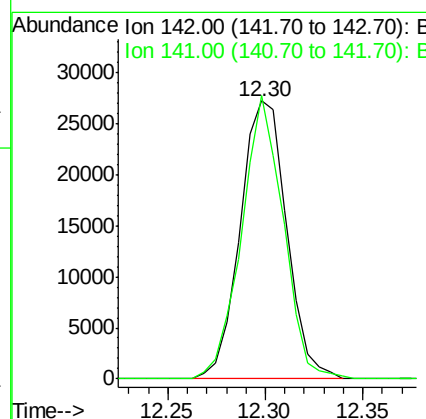
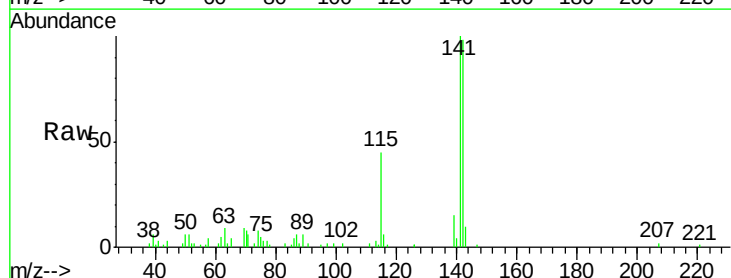
RT: 12.30 min Scan# 1566

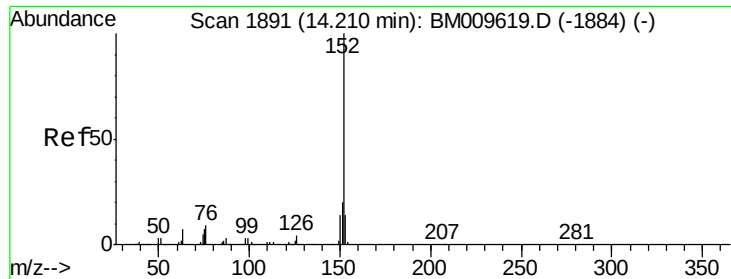
Delta R.T. 0.00 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	101.8	69.8	104.8





#8

Acenaphthylene

Concen: 2.64 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

Instrument :

BNA_M

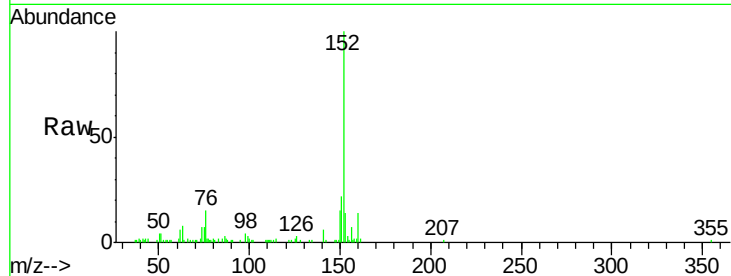
ClientSampleId :

CB369

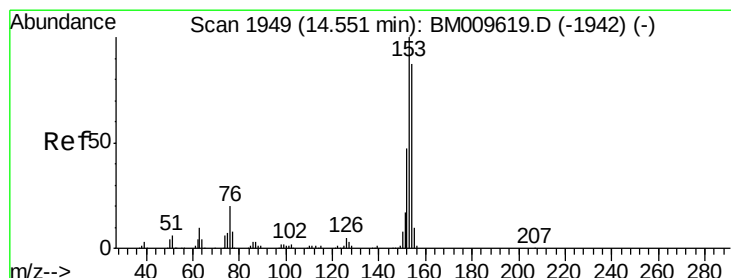
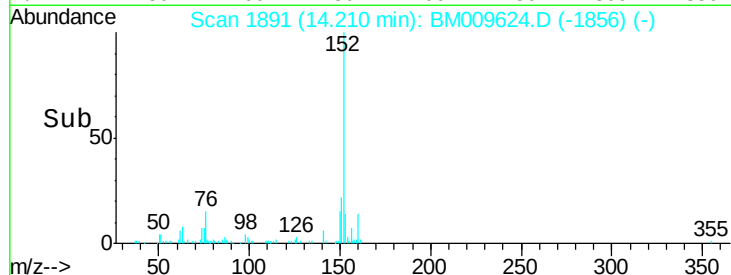
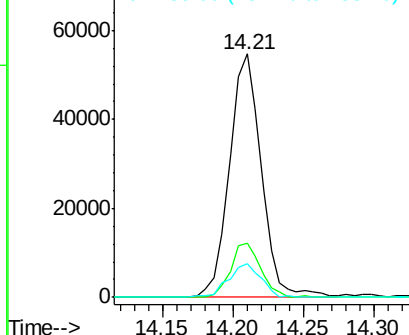
Tgt Ion:	152	Resp:	86166
Ion Ratio	Lower	Upper	
152	100		
151	22.5	17.5	26.3
153	13.9	10.6	16.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 1.38 ng/ul

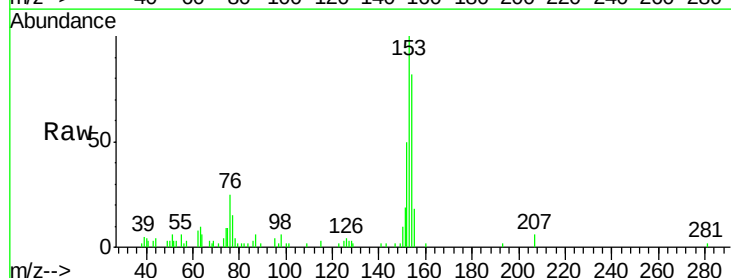
RT: 14.54 min Scan# 1948

Delta R.T. -0.01 min

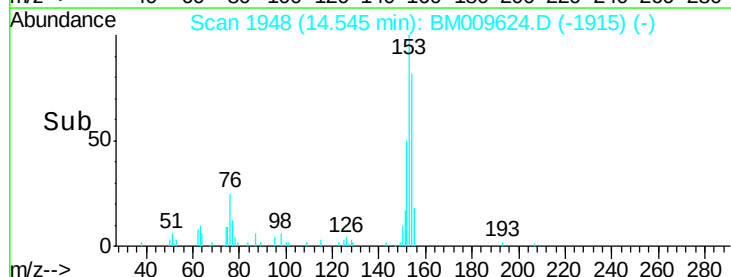
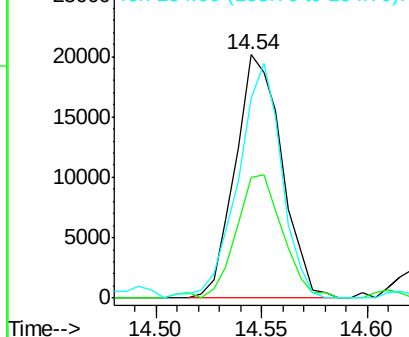
Lab File: BM009624.D

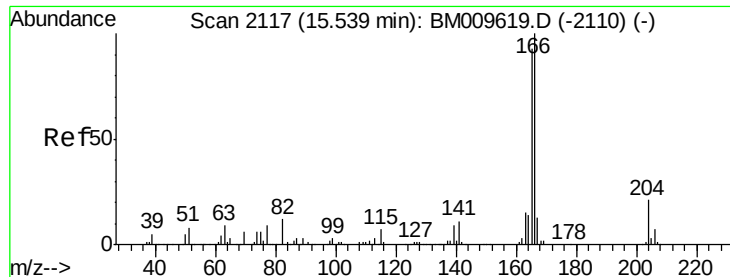
Acq: 07 Apr 2017 12:14

Tgt Ion:	153	Resp:	30879
Ion Ratio	Lower	Upper	
153	100		
152	49.6	37.9	56.9
154	82.3	71.6	107.4



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





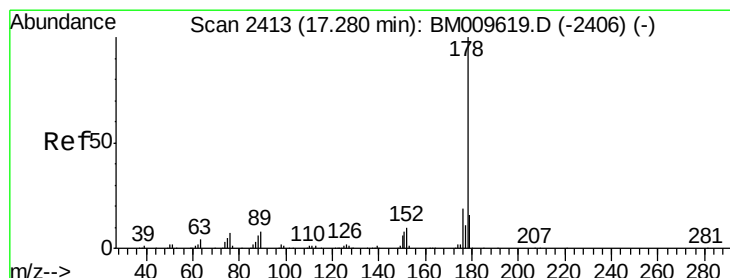
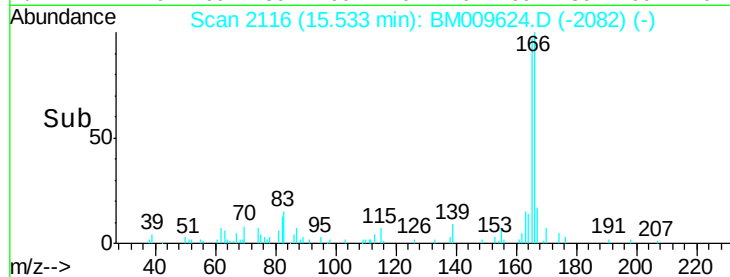
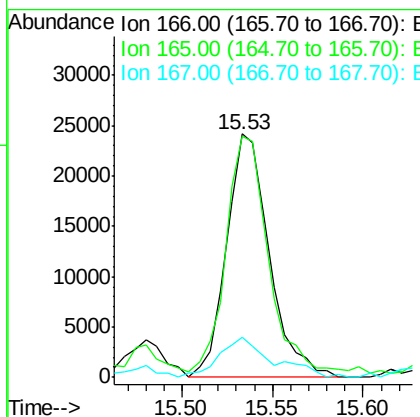
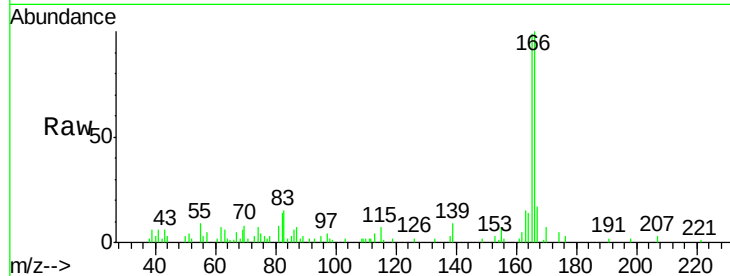
#11
Fluorene
Concen: 1.44 ng/ul
RT: 15.53 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BM009624.D
Acq: 07 Apr 2017 12:14

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.0	120.0
167	16.6	11.6	17.4

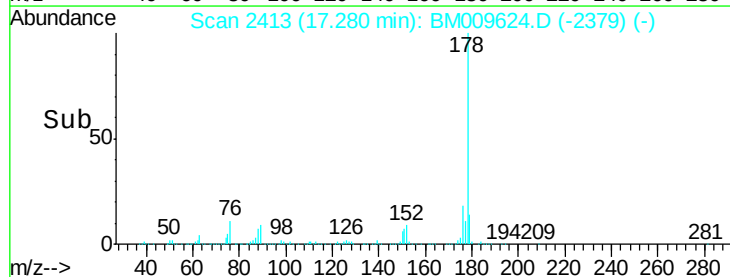
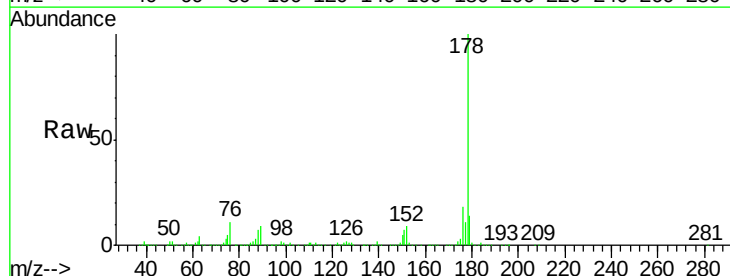
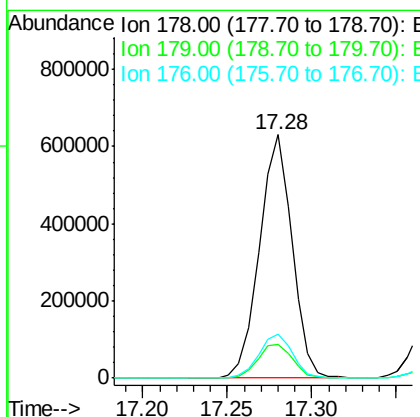
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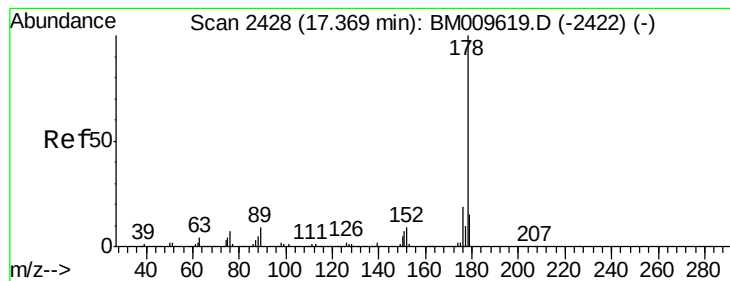
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#14
Phenanthrene
Concen: 19.81 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009624.D
Acq: 07 Apr 2017 12:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.1	12.2	18.4
176	18.2	16.4	24.6





#16

Anthracene

Concen: 4.66 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

Instrument :

BNA_M

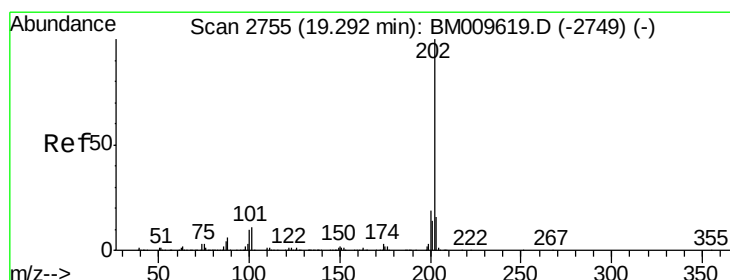
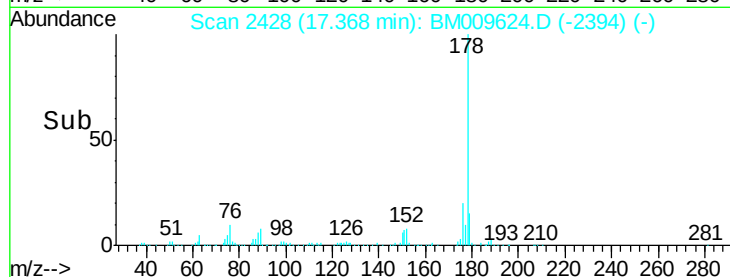
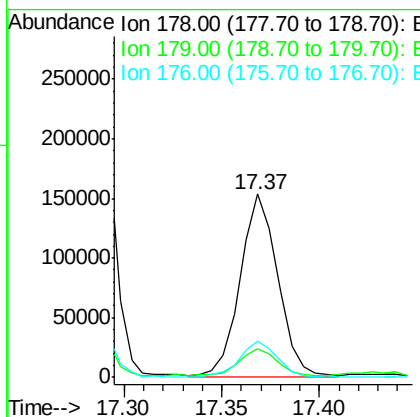
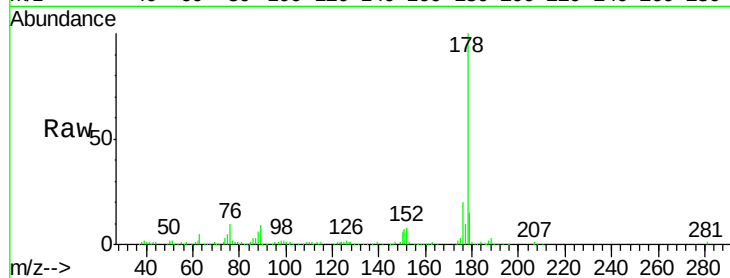
ClientSampled :

CB369

Tgt Ion:	178	Resp:	205496
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.7	19.1
176	19.6	15.8	23.8

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#17

Fluoranthene

Concen: 34.01 ng/ul

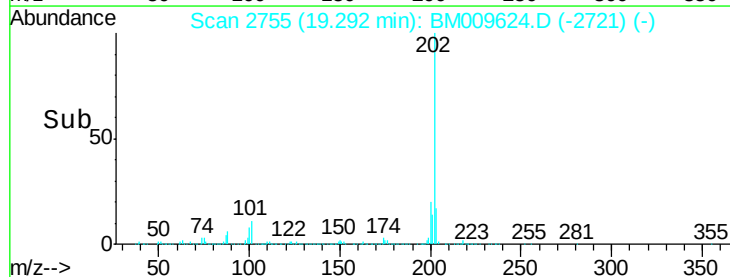
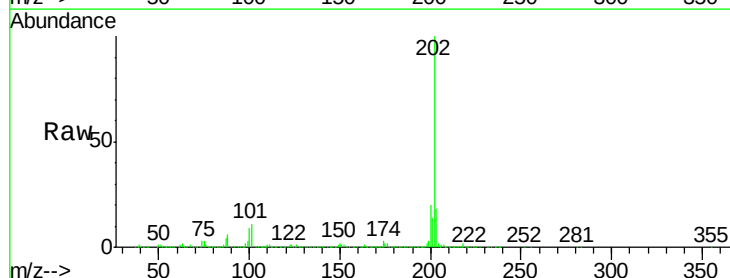
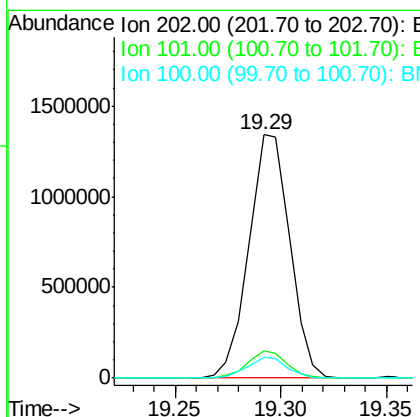
RT: 19.29 min Scan# 2755

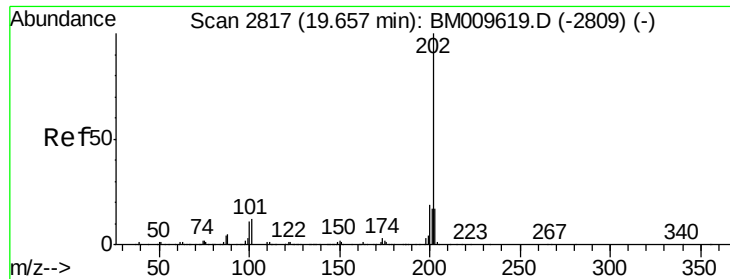
Delta R.T. 0.00 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

Tgt Ion:	202	Resp:	1807911
Ion Ratio	Lower	Upper	
202	100		
101	11.3	9.8	14.8
100	8.5	7.5	11.3





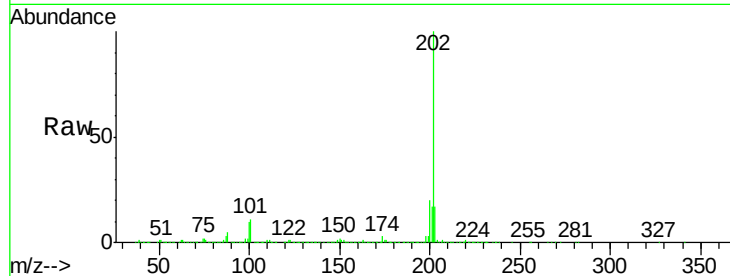
#20
Pyrene
Concen: 32.65 ng/ul
RT: 19.66 min Scan# 2818
Delta R.T. 0.01 min
Lab File: BM009624.D
Acq: 07 Apr 2017 12:14

Instrument :
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ClientSampleId :
CB369

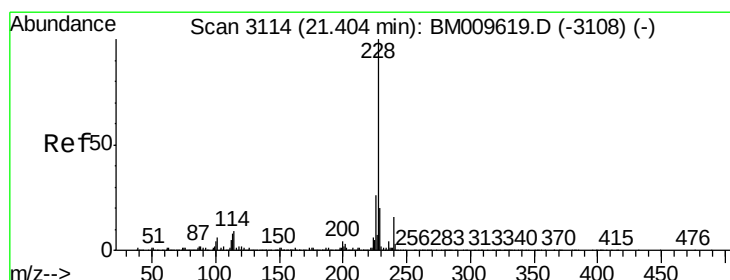
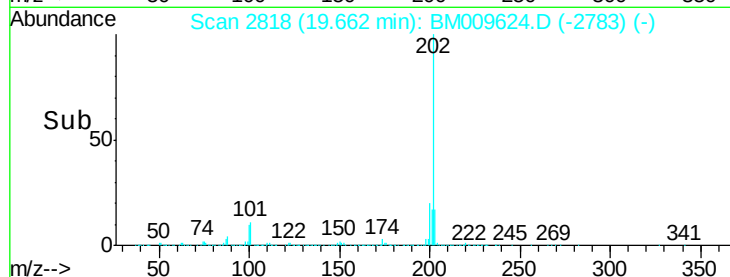
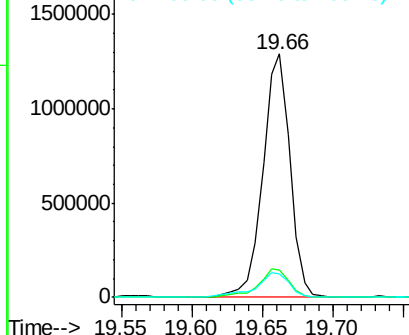
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	11.2	16.8#
100	9.6	9.8	14.6#

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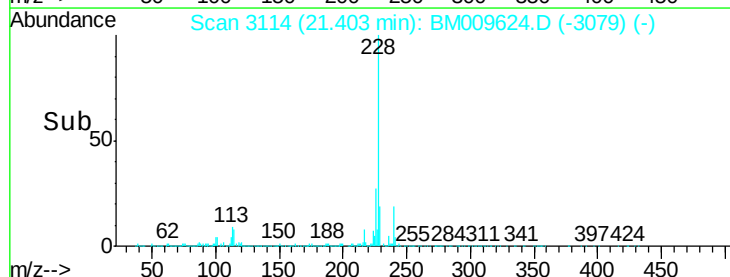
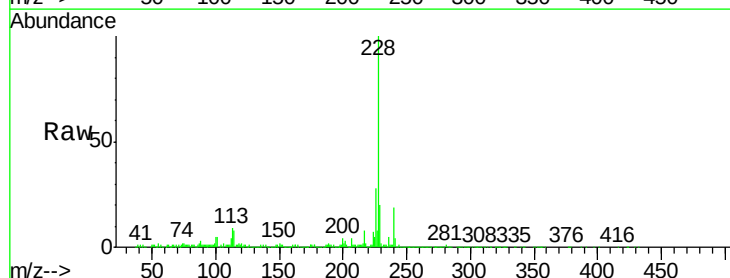
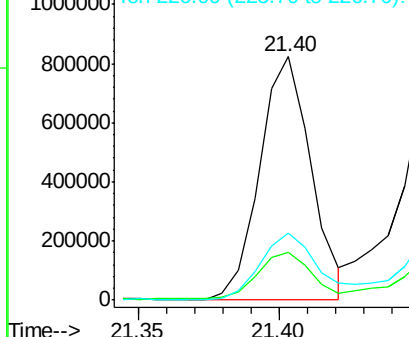
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

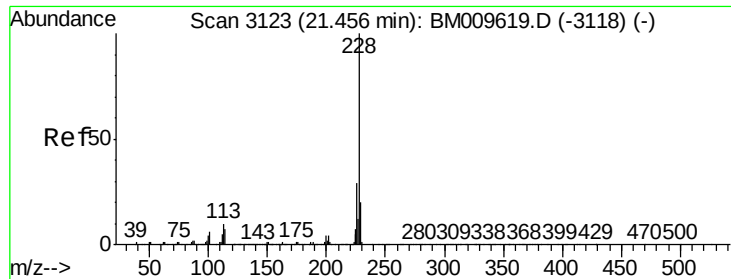


#21
Benzo(a)anthracene
Concen: 18.59 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BM009624.D
Acq: 07 Apr 2017 12:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9
226	27.6	22.1	33.1

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





#22

Chrysene

Concen: 19.82 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

Instrument :

BNA_M

ClientSampleId :

CB369

Tgt Ion:228 Resp: 1009152

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

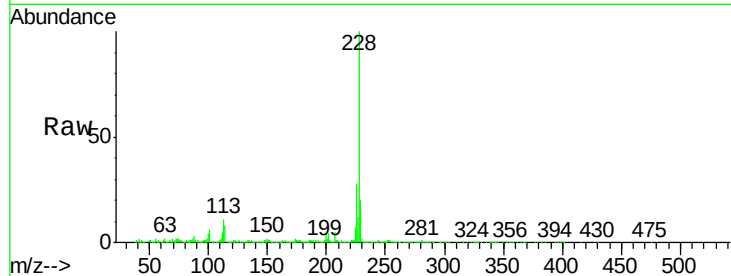
229 19.5 16.6 25.0

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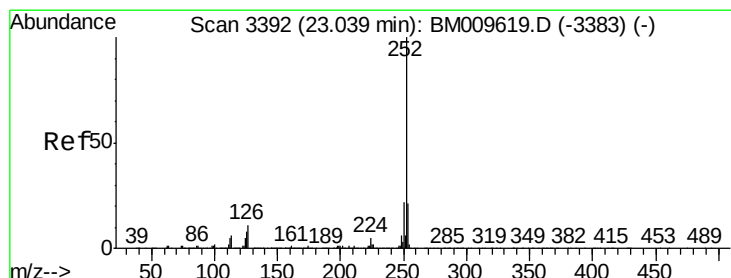
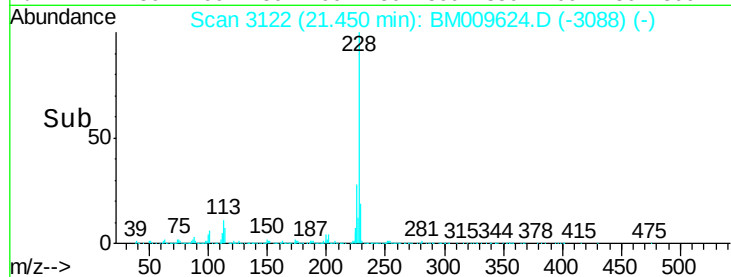
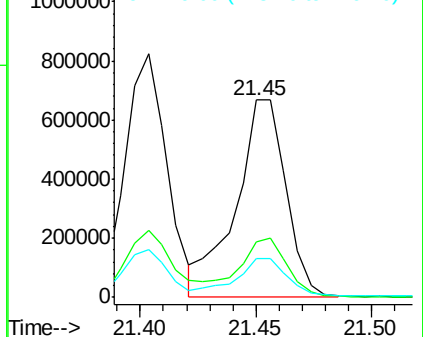
4/10/2017 1:23:19 PM



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



#24

Benzo(b)fluoranthene

Concen: 26.08 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. 0.01 min

Lab File: BM009624.D

Acq: 07 Apr 2017 12:14

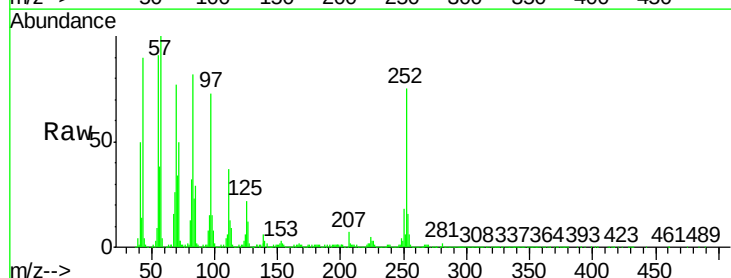
Tgt Ion:252 Resp: 1547987

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

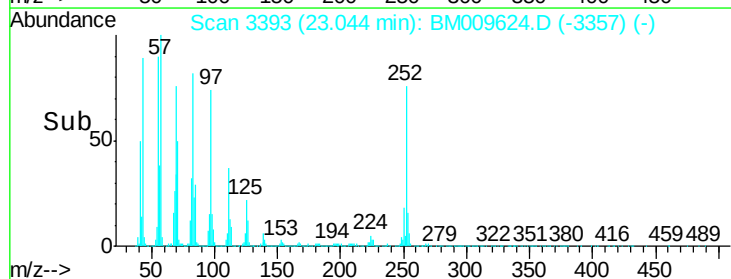
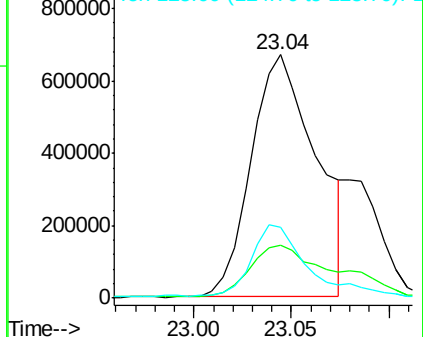
125 29.2 9.4 14.0#

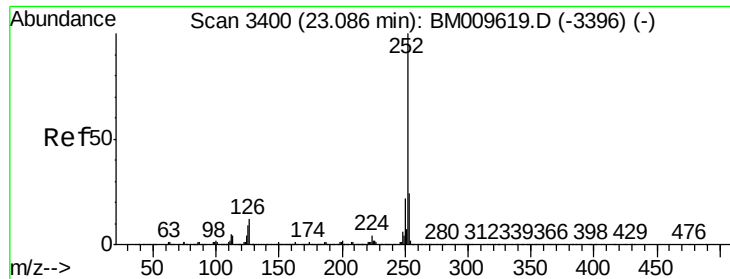


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





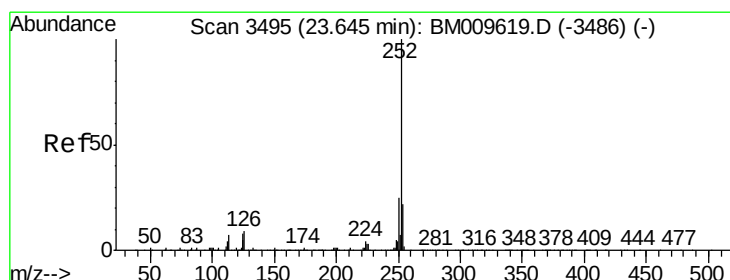
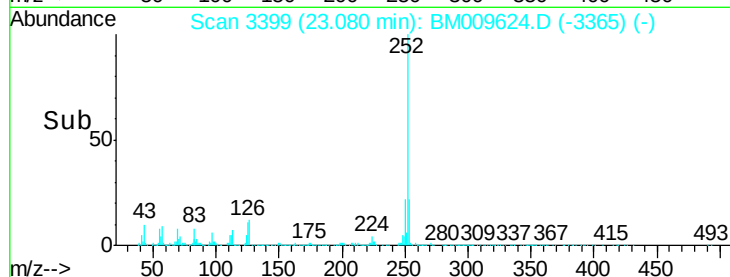
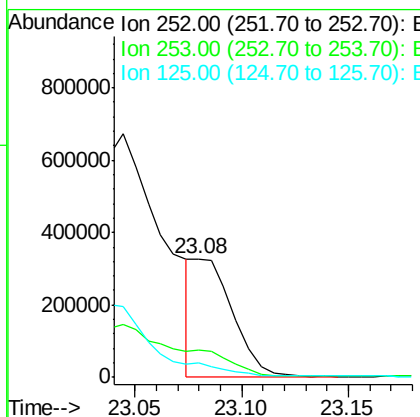
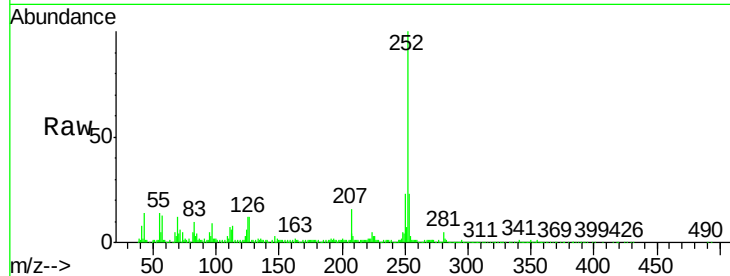
#25
Benzo(k)fluoranthene
Concen: 7.50 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. 0.00 min
Lab File: BM009624.D
Acq: 07 Apr 2017 12:14

Instrument :
BNA_M
ClientSampled :
CB369

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	11.8	8.8	13.2

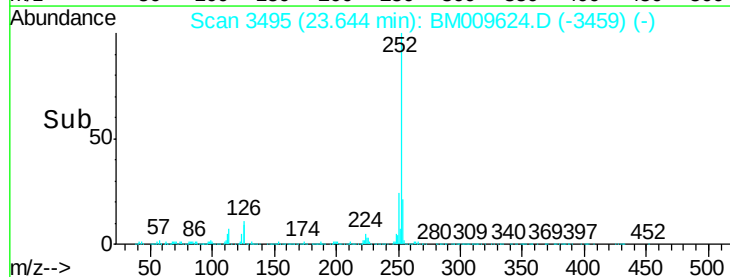
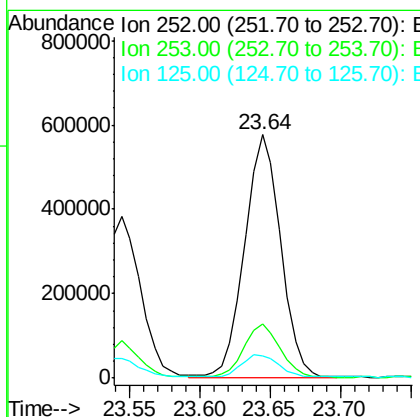
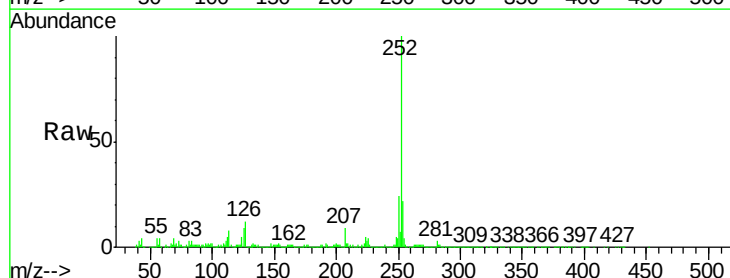
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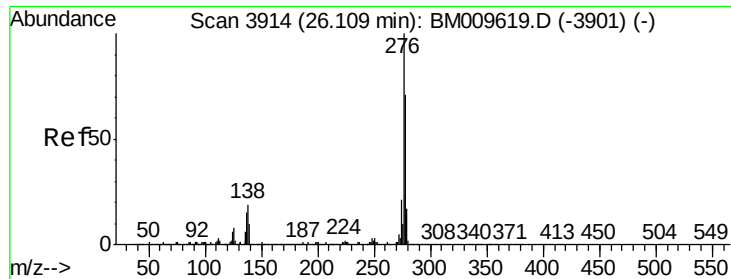
mohammad
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#27
Benzo(a)pyrene
Concen: 18.26 ng/ul m
RT: 23.64 min Scan# 3495
Delta R.T. 0.01 min
Lab File: BM009624.D
Acq: 07 Apr 2017 12:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	9.3	9.4	14.2#





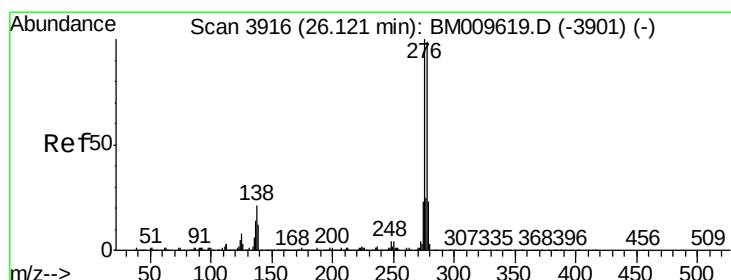
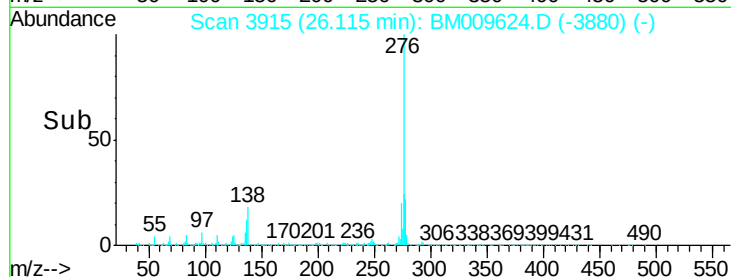
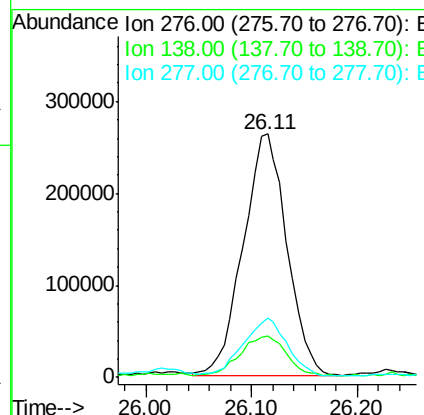
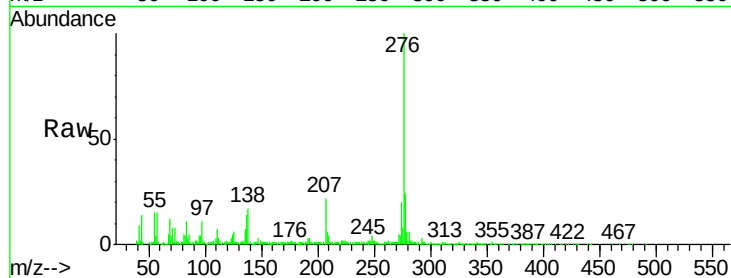
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 11.88 ng/ul
 RT: 26.11 min Scan# 3915
 Delta R.T. 0.01 min
 Lab File: BM009624.D
 Acq: 07 Apr 2017 12:14

Instrument :
 BNA_M
 ClientSampleId :
 CB369

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	751644		
138	17.2		17.8	26.6#
277	24.3		19.4	29.0

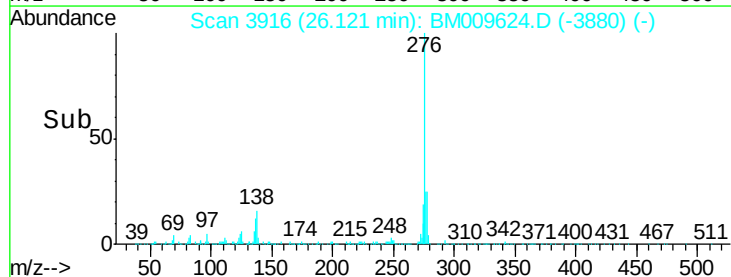
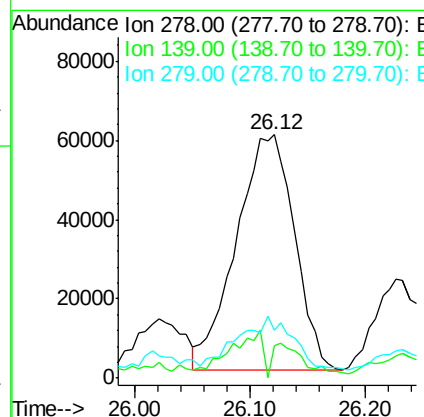
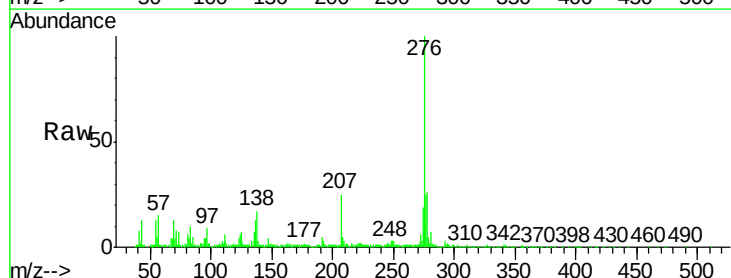
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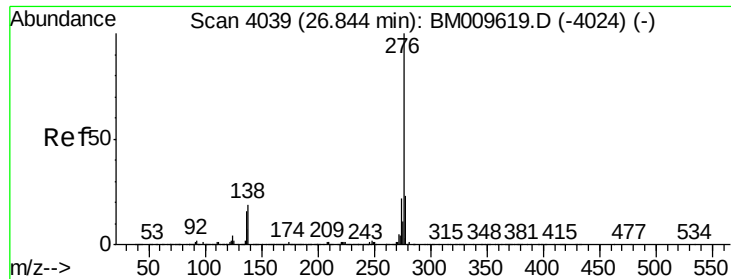
mohammad
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#29
 Dibenzo(a,h)anthracene
 Concen: 3.86 ng/ul
 RT: 26.12 min Scan# 3916
 Delta R.T. 0.01 min
 Lab File: BM009624.D
 Acq: 07 Apr 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	207401		
139	13.4		14.0	21.0#
279	19.7		20.6	31.0#





#30
 Benzo(g,h,i)perylene
 Concen: 13.05 ng/ul
 RT: 26.85 min Scan# 4040
 Delta R.T. 0.01 min
 Lab File: BM009624.D
 Acq: 07 Apr 2017 12:14

Instrument :
 BNA_M
 ClientSampleId :
 CB369

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	19.0	28.4#
277	23.2	19.7	29.5

Manual Integrations
 APPROVED

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