

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
 Data File : BM009277.D
 Acq On : 17 Mar 2017 17:01
 Operator : SJ/MA
 Sample : I2218-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z8

Manual Integrations
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Quant Time: Mar 18 00:53:38 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	111660	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	524785	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	371260	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	1016702	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1549792	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1584638	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	28559	3.35	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	641017	20.37	ng/ul	0.00
10) Fluorene-d10	15.50	176	550833	19.96	ng/ul	0.00
15) Anthracene-d10	17.36	188	932248	19.30	ng/ul	0.00
19) Pyrene-d10	19.65	212	1198369	19.29	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1307684	18.15	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.72	128	68342	2.56	ng/ul#	95
5) 2-Methylnaphthalene	12.33	142	30688	1.44	ng/ul	88
8) Acenaphthylene	14.24	152	39433	1.24	ng/ul#	90
9) Acenaphthene	14.58	153	93511	4.05	ng/ul	97
11) Fluorene	15.56	166	120712	3.81	ng/ul	97
14) Phenanthrene	17.30	178	1988927	34.74	ng/ul	97
16) Anthracene	17.39	178	471543	7.94	ng/ul	98
17) Fluoranthene	19.32	202	3721555	51.29	ng/ul	95
20) Pyrene	19.68	202	3147672	39.36	ng/ul#	93
21) Benzo(a)anthracene	21.42	228	1984324	22.49	ng/ul	99
22) Chrysene	21.47	228	1793401	21.52	ng/ul	97
24) Benzo(b)fluoranthene	23.06	252	2514545	26.96	ng/ul	99
25) Benzo(k)fluoranthene	23.10	252	919167m	10.45	ng/ul	
27) Benzo(a)pyrene	23.67	252	1729063m	19.27	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.14	276	1196281	11.23	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.15	278	328280	3.65	ng/ul	94
30) Benzo(g,h,i)perylene	26.88	276	921398	10.39	ng/ul#	92

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

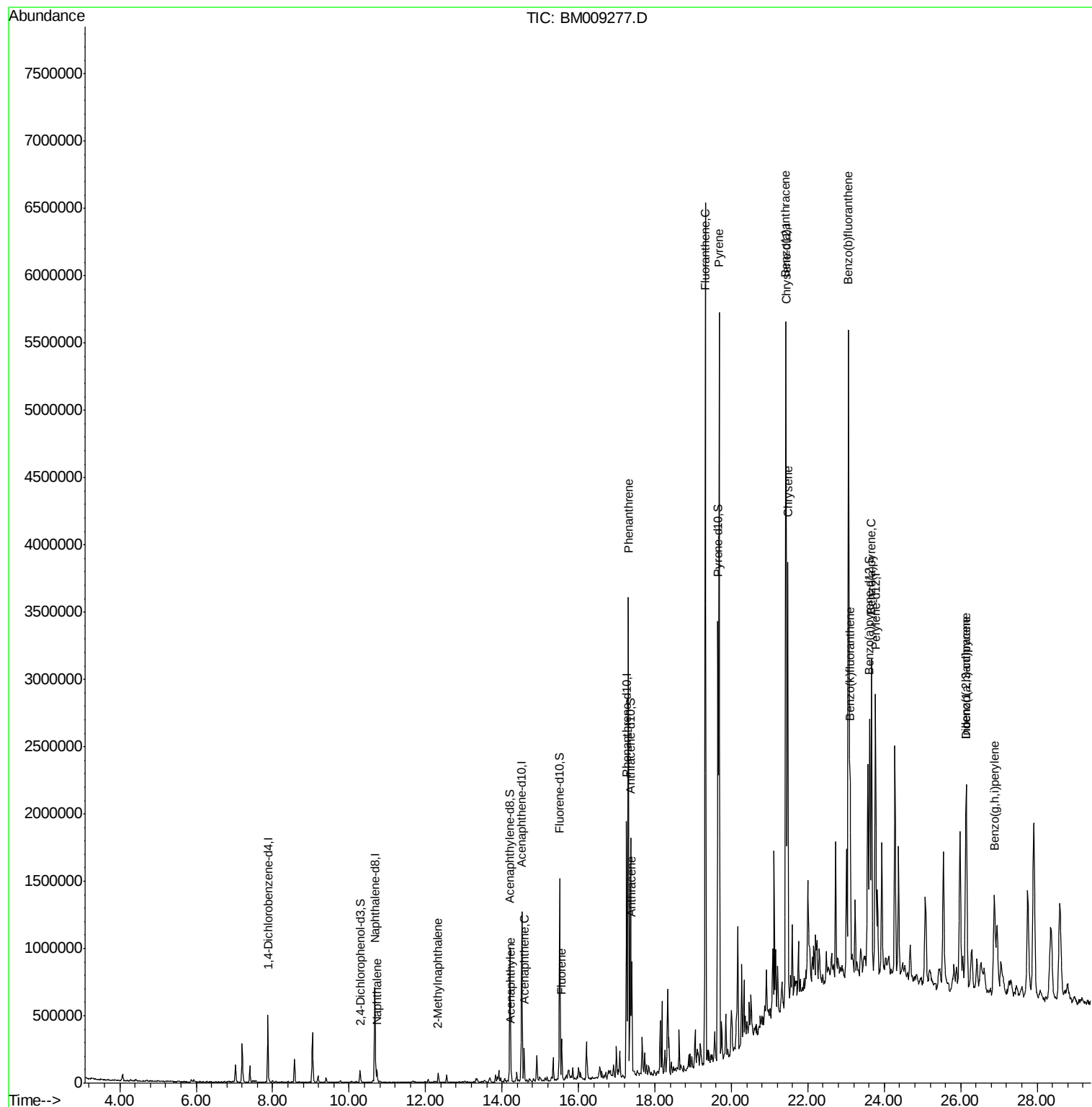
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
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ALS Vial : 12 Sample Multiplier: 1

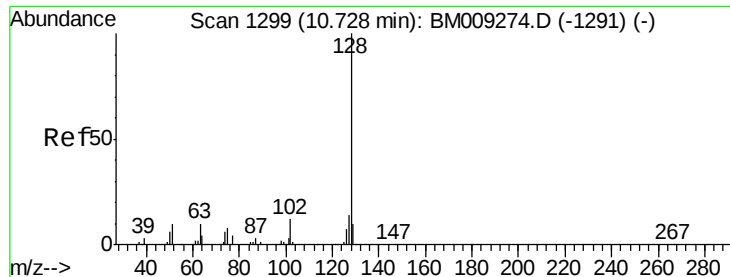
Instrument :
BNA_M
ClientSampled :
CB2Z8

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Naphthalene

Concen: 2.56 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

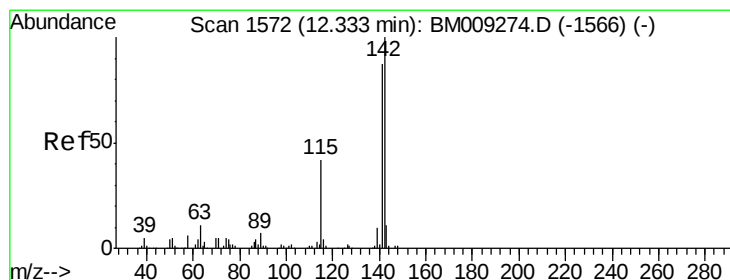
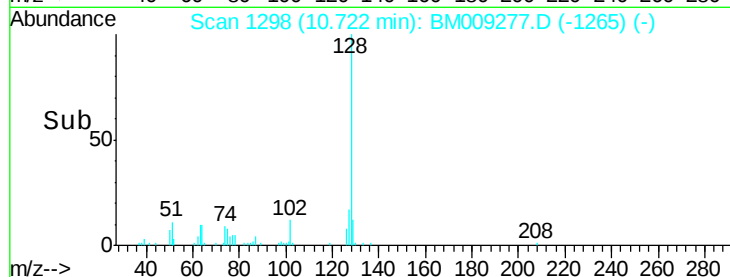
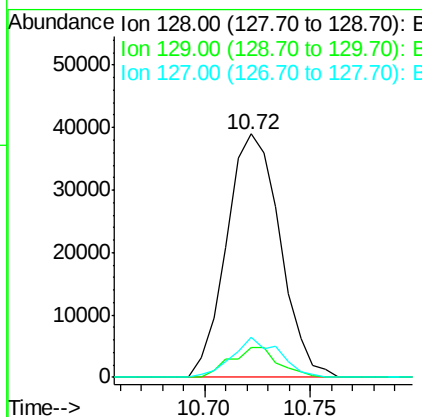
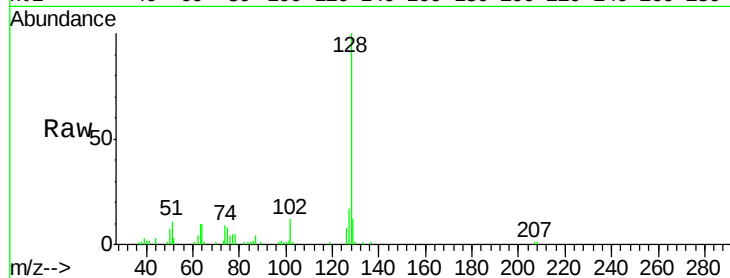
ClientSampleId :

CB2Z8

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.1	13.7
127	16.5	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 1.44 ng/ul

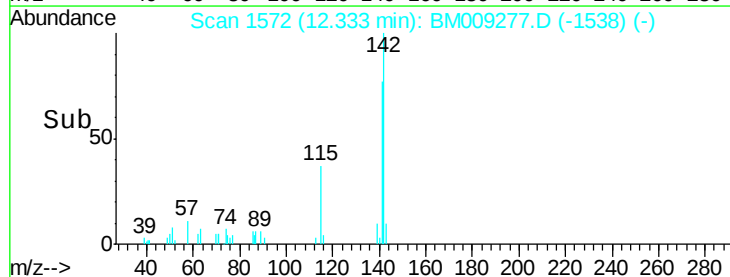
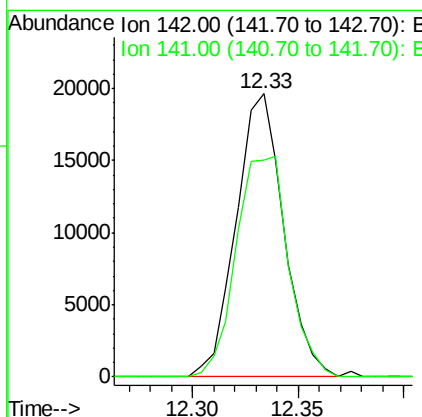
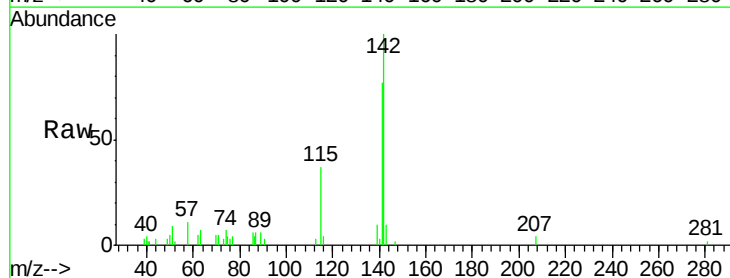
RT: 12.33 min Scan# 1572

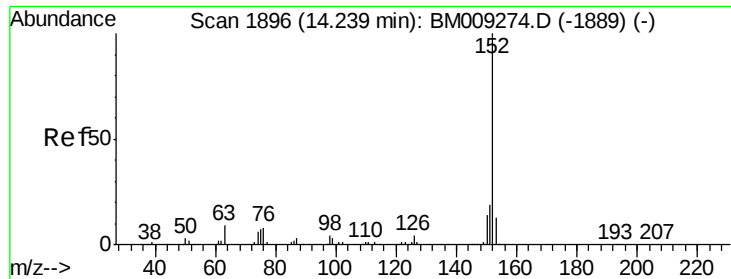
Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.6	69.8	104.8





#8

Acenaphthylene

Concen: 1.24 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

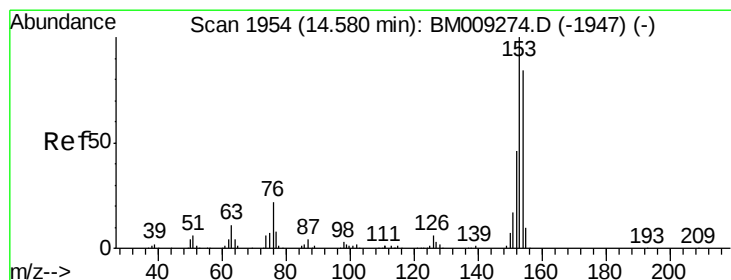
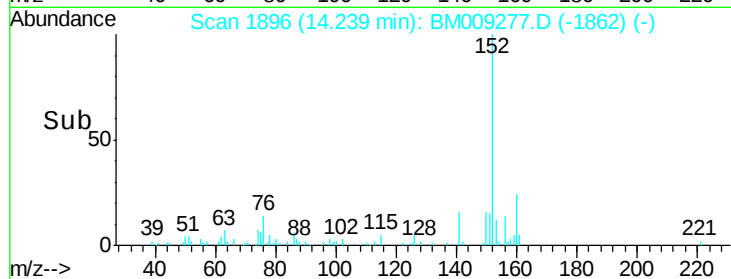
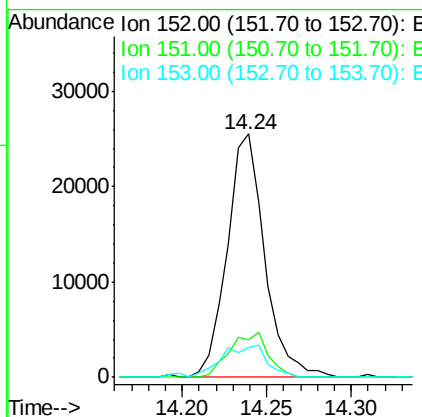
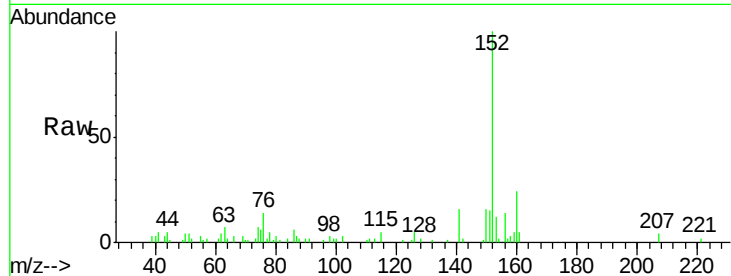
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
152	100		
151	15.4	17.5	26.3#
153	12.1	10.6	16.0

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#9

Acenaphthene

Concen: 4.05 ng/ul

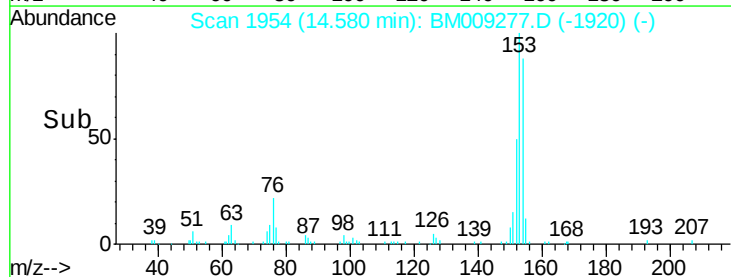
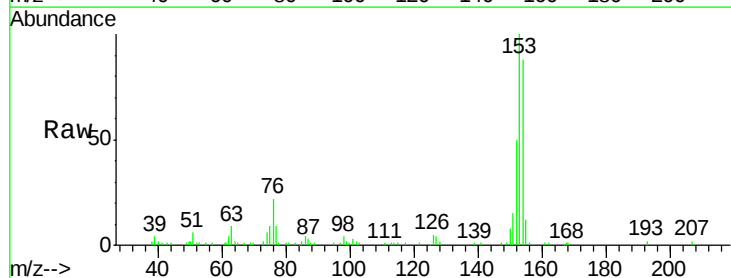
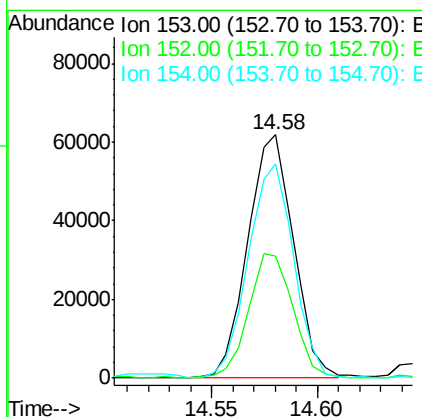
RT: 14.58 min Scan# 1954

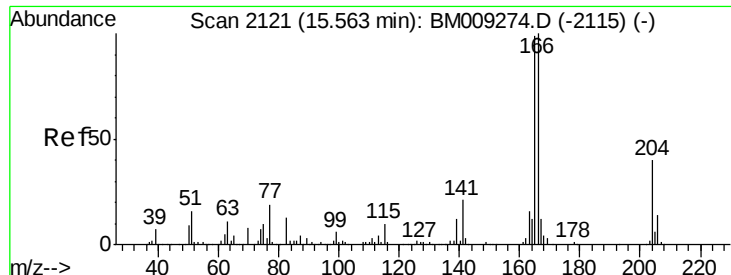
Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.1	37.9	56.9
154	87.9	71.6	107.4





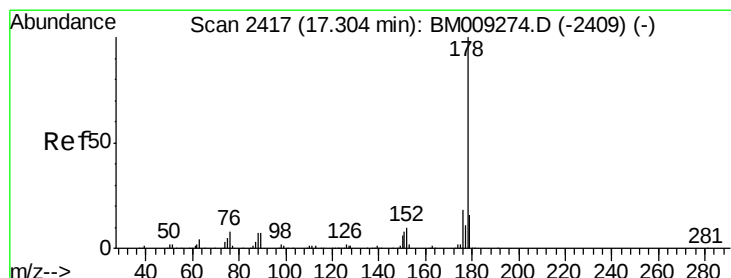
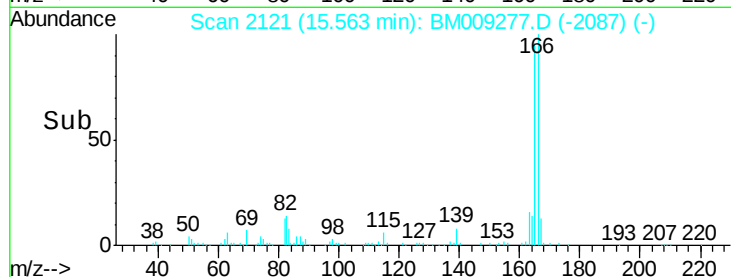
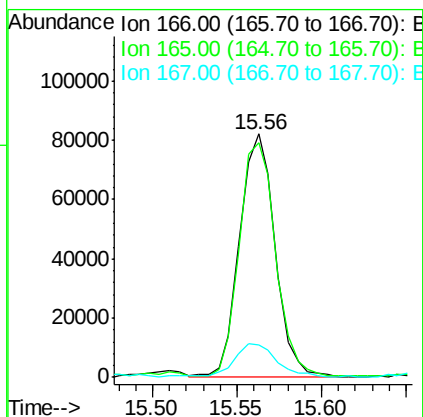
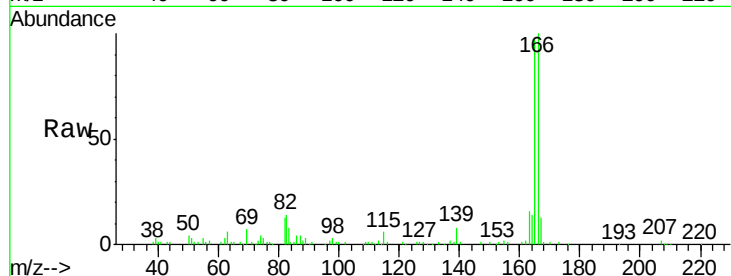
#11
Fluorene
 Concen: 3.81 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z8

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	80.0	120.0
167	13.3	11.6	17.4

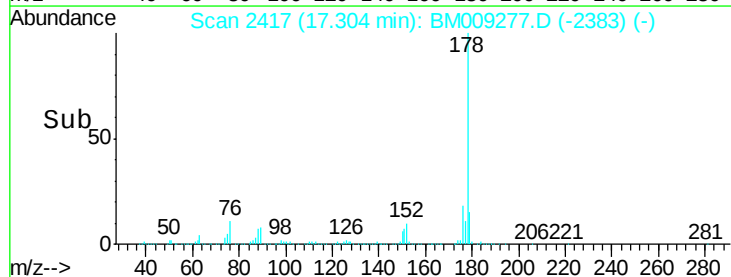
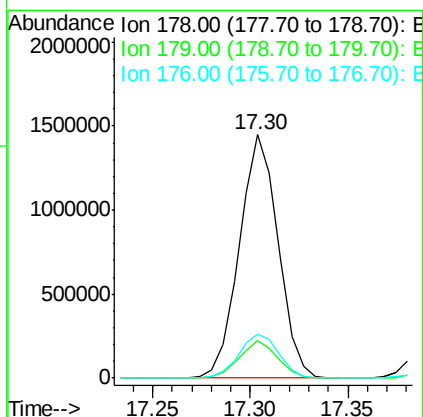
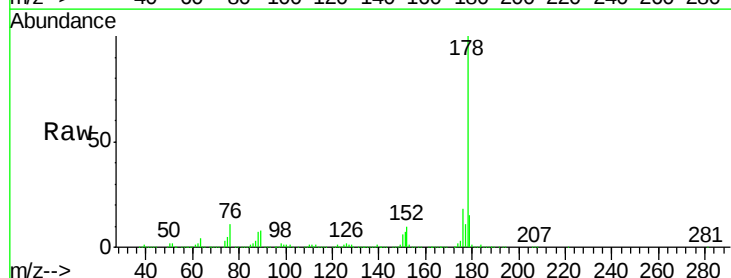
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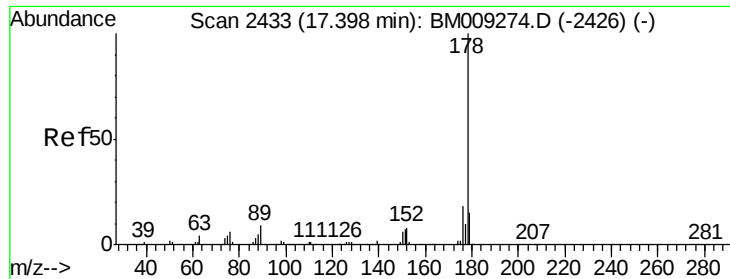
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#14
Phenanthrene
 Concen: 34.74 ng/ul
 RT: 17.30 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	18.2	16.4	24.6





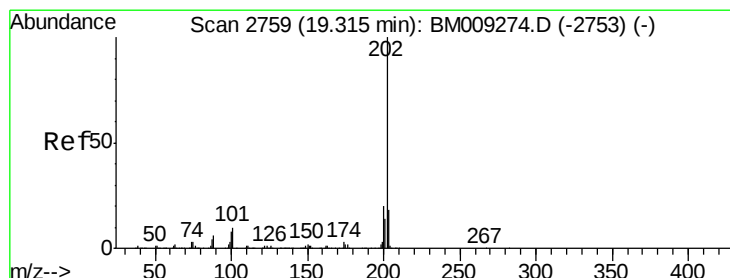
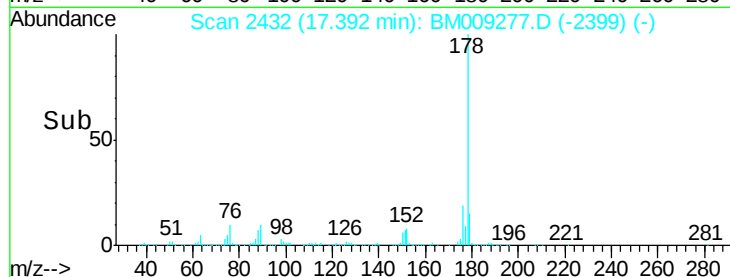
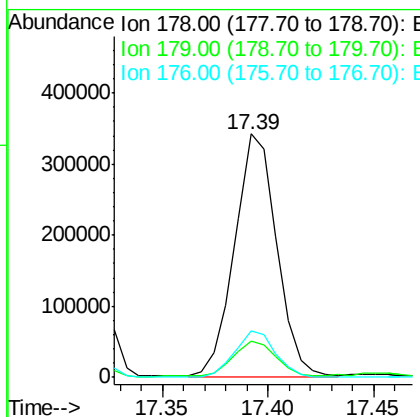
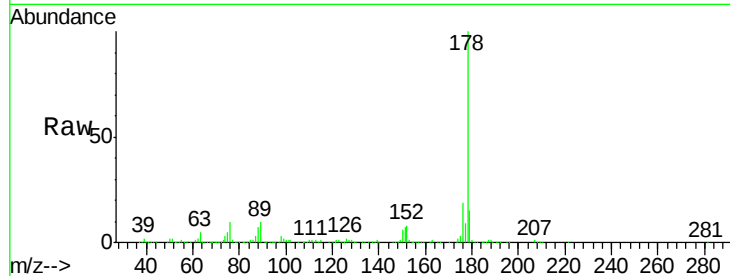
#16
 Anthracene
 Concen: 7.94 ng/ul
 RT: 17.39 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z8

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.7	19.1
176	19.0	15.8	23.8

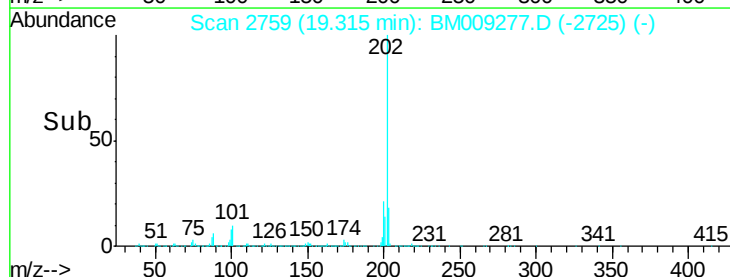
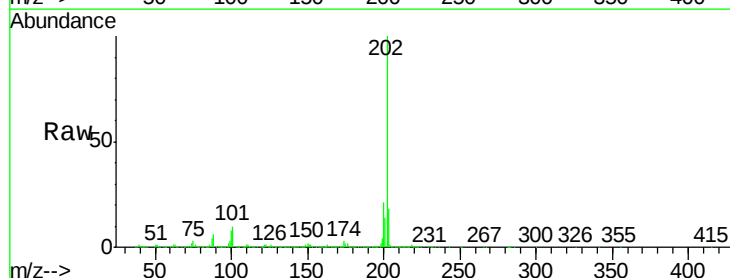
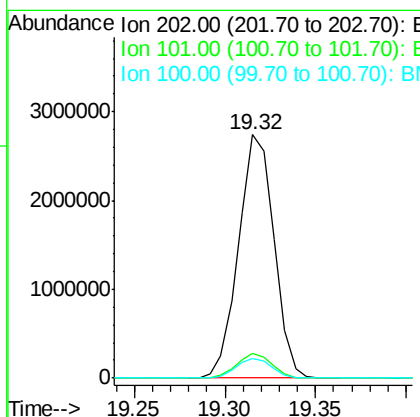
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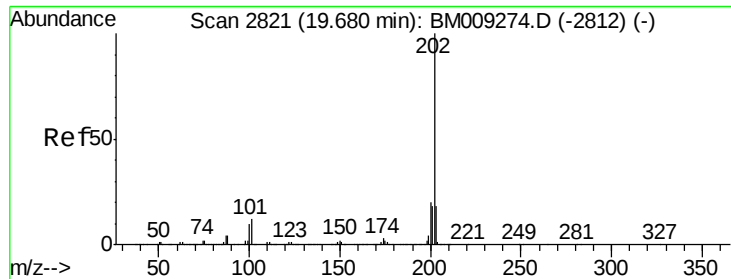
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#17
 Fluoranthene
 Concen: 51.29 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.0	7.5	11.3





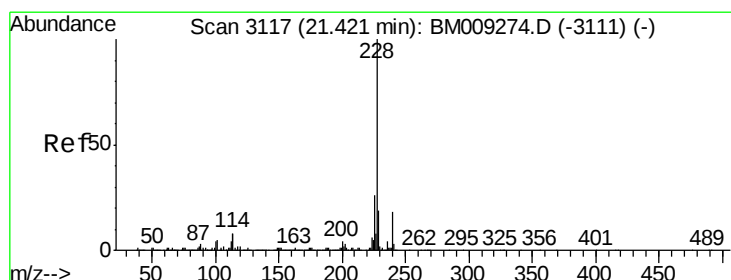
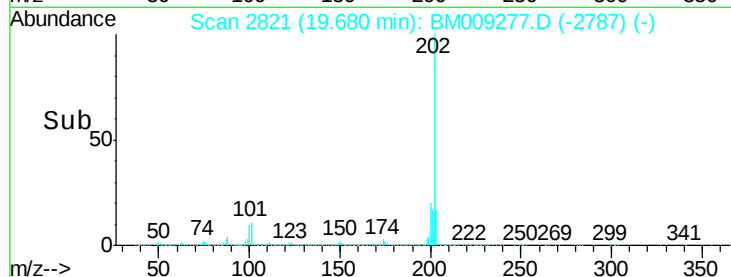
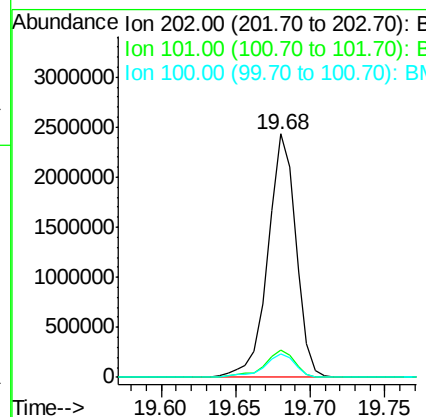
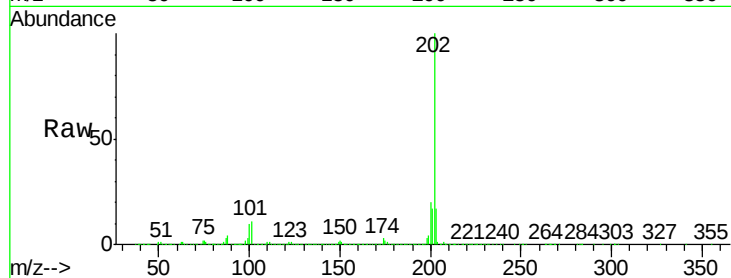
#20
 Pyrene
 Concen: 39.36 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	11.2	16.8#
100	9.9	9.8	14.6

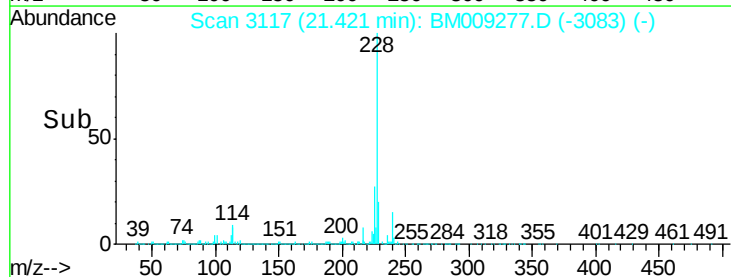
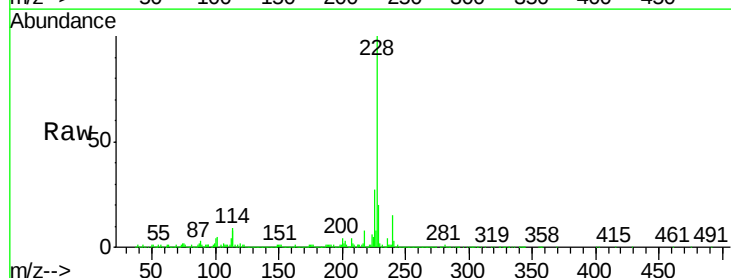
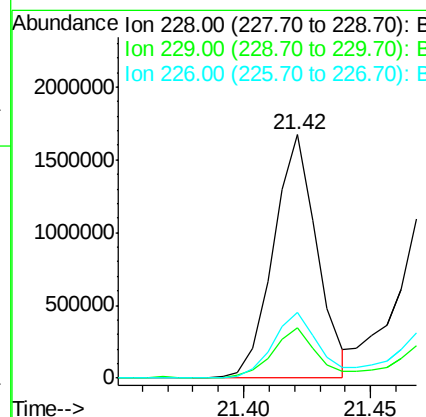
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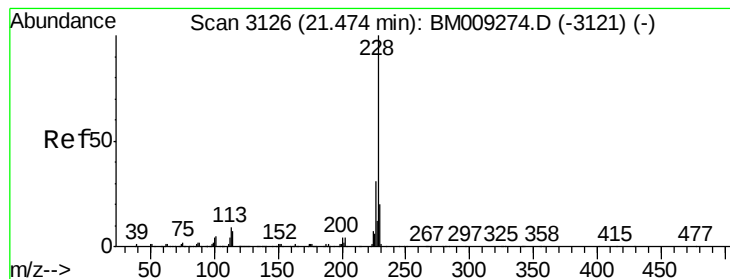
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#21
 Benzo(a)anthracene
 Concen: 22.49 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.9	23.9
226	26.7	22.1	33.1





#22

Chrysene

Concen: 21.52 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampleId :

CB2Z8

Tgt Ion:228 Resp: 1793401

Ion Ratio Lower Upper

228 100

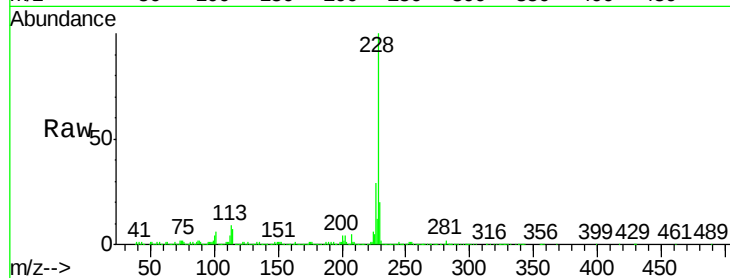
226 29.2 25.0 37.6

229 19.9 16.6 25.0

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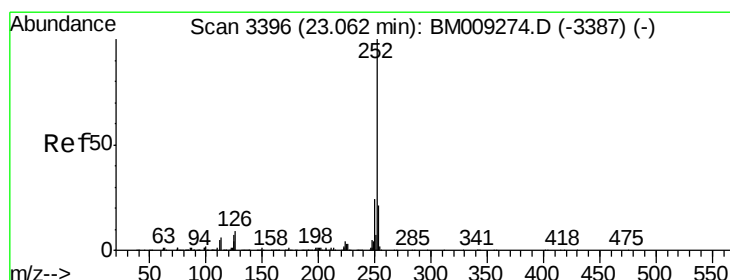
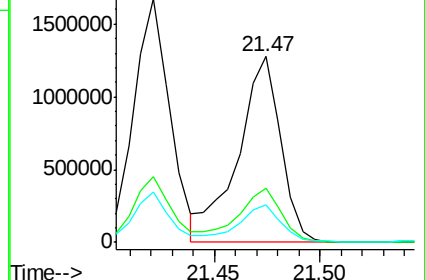
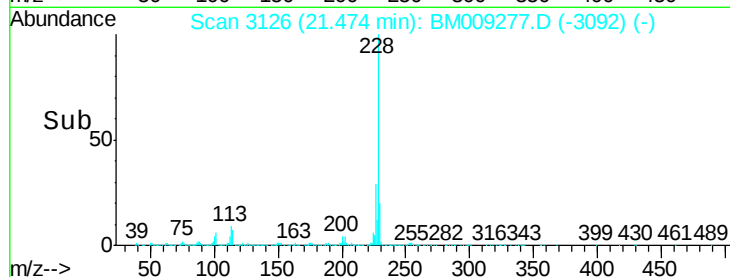
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Benzo(b)fluoranthene

Concen: 26.96 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

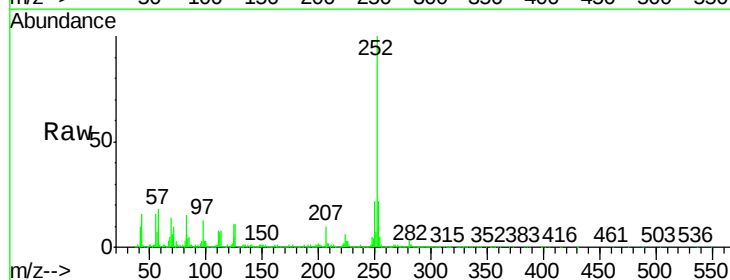
Tgt Ion:252 Resp: 2514545

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

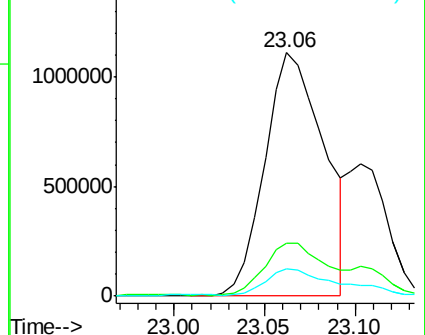
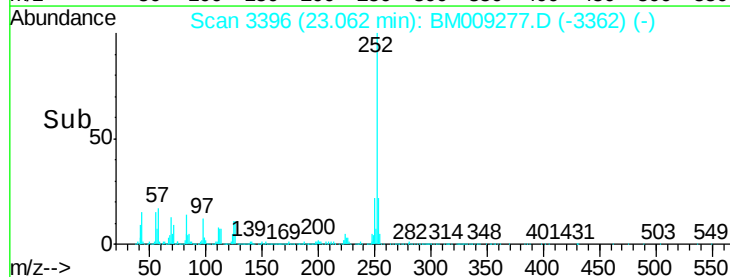
125 11.3 9.4 14.0

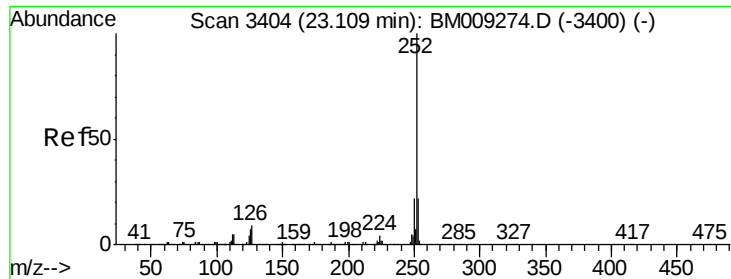


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





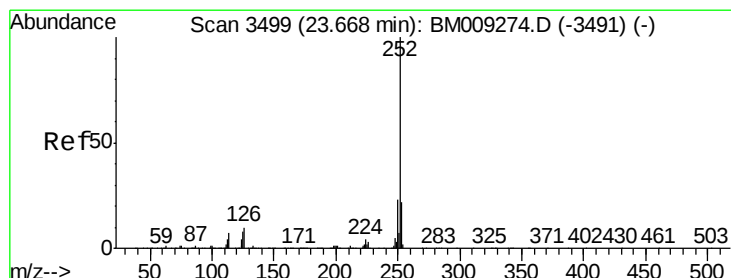
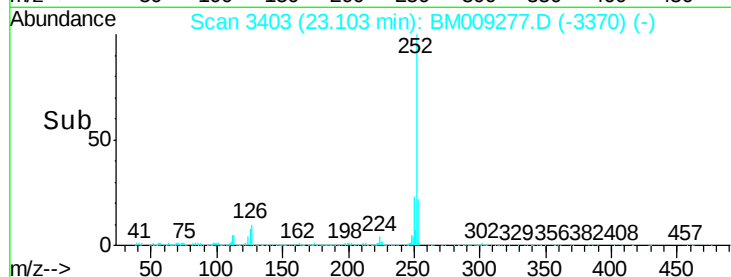
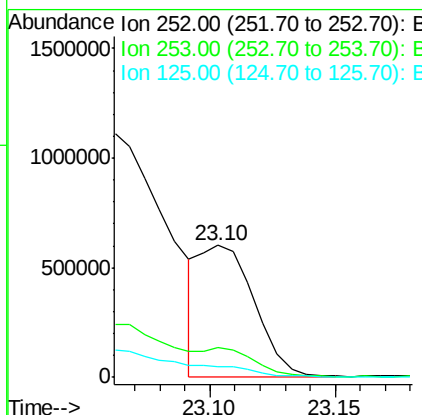
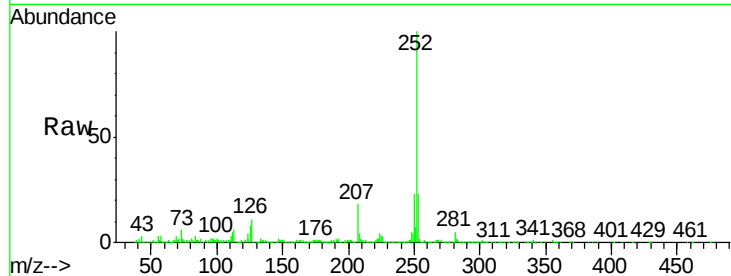
#25
Benzo(k)fluoranthene
Concen: 10.45 ng/ul m
RT: 23.10 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM009277.D
Acq: 17 Mar 2017 17:01

Instrument :
BNA_M
ClientSampled :
CB2Z8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	8.1	8.8	13.2#

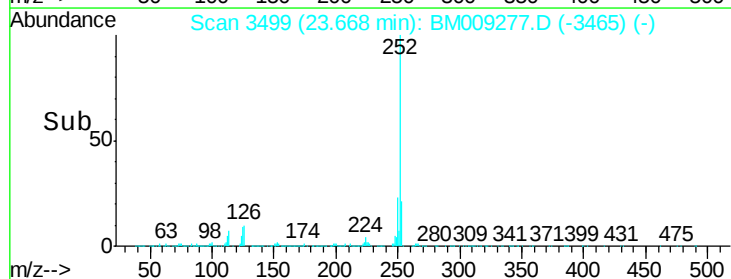
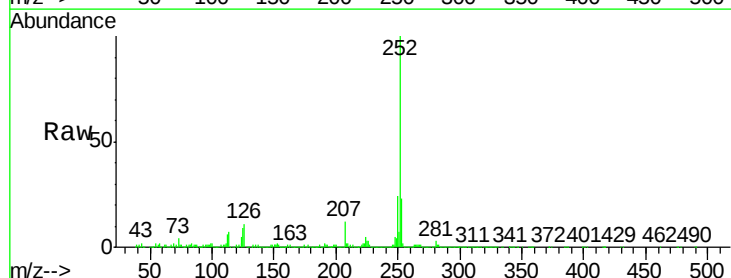
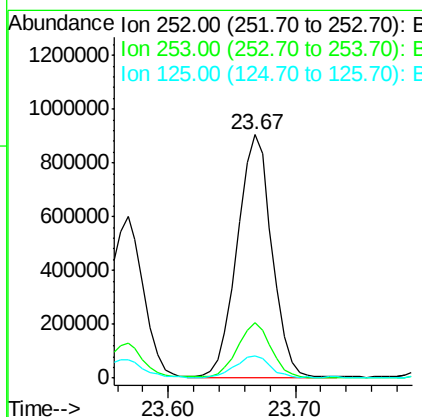
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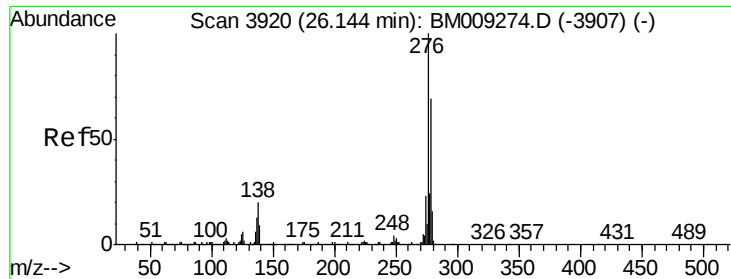
mohammad
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#27
Benzo(a)pyrene
Concen: 19.27 ng/ul m
RT: 23.67 min Scan# 3499
Delta R.T. 0.00 min
Lab File: BM009277.D
Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	9.3	9.4	14.2#





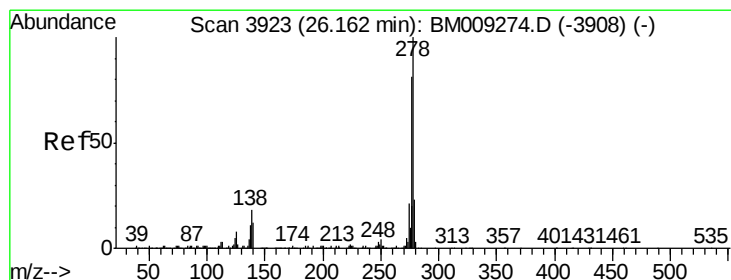
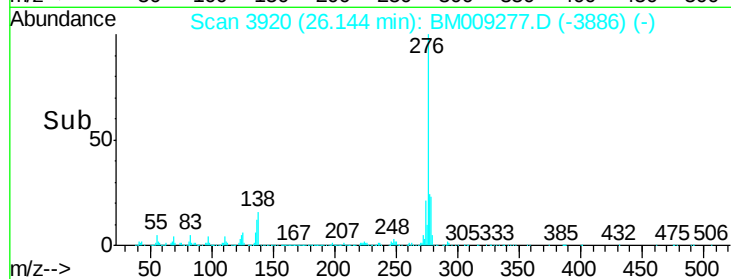
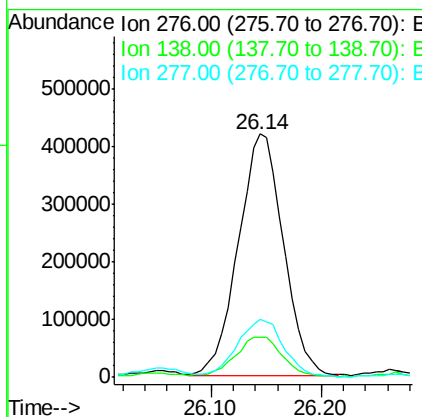
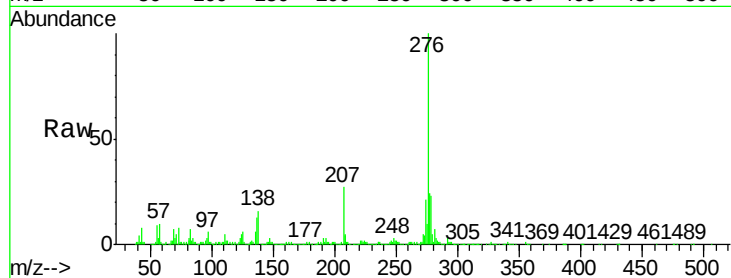
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 11.23 ng/ul
 RT: 26.14 min Scan# 3920
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	17.8	26.6#
277	24.1	19.4	29.0

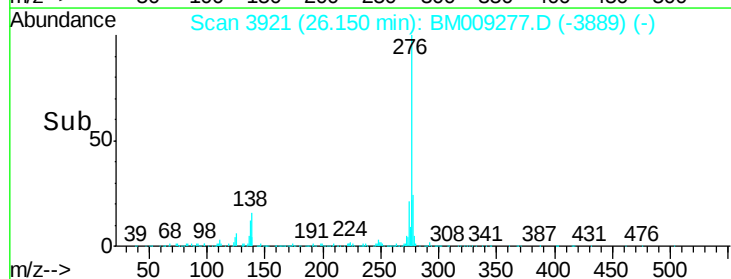
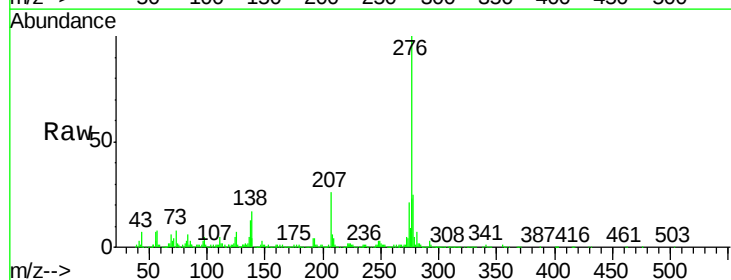
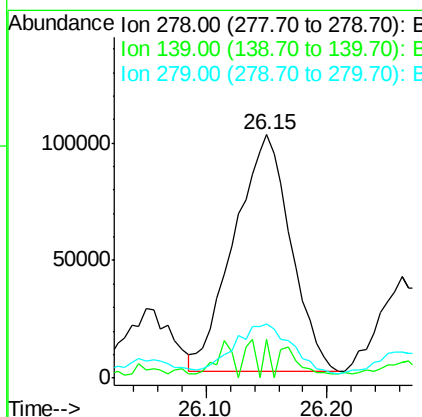
Manual Integrations
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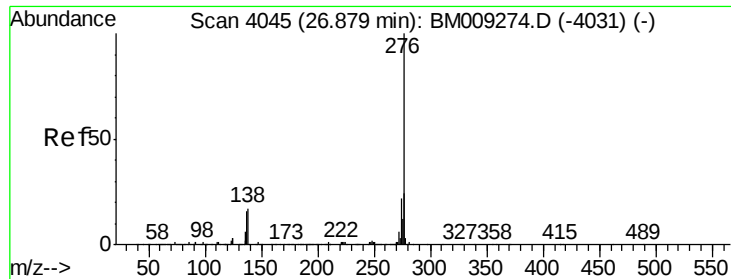
mohammad
 3/20/2017 12:08:41 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.65 ng/ul
 RT: 26.15 min Scan# 3921
 Delta R.T. -0.01 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.0	21.0
279	22.0	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 10.39 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BM009277.D

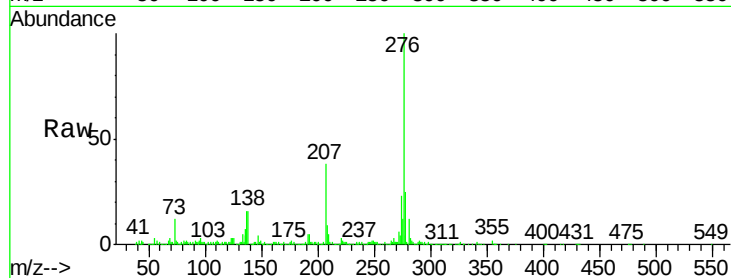
Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampleId :

CB2Z8



Tgt Ion: 276 Resp: 921398

Ion Ratio Lower Upper

276 100

138 15.9 19.0 28.4#

277 25.2 19.7 29.5

Manual Integrations
APPROVED

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