

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022135.D
 Acq On : 15 Aug 2019 08:52
 Operator : HP/JU
 Sample : K4304-13
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5P4

Manual Integrations
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Quant Time: Aug 15 13:34:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	894	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.37	136	3697	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	2069	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.00	188	4531m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4573m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4782m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	2245	0.37	ng/ul	-0.04
14) Fluoranthene-d10	19.05	212	5762m	0.38	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.42	128	45743	4.380	ng/ul#	91
5) 2-Methylnaphthalene	12.05	142	14148	2.033	ng/ul	96
7) Acenaphthylene	13.97	152	6484	0.672	ng/ul#	83
8) Acenaphthene	14.31	153	29985	3.798	ng/ul	97
9) Fluorene	15.31	166	34472	3.931	ng/ul	98
12) Phenanthrene	17.05	178	413952m	31.399	ng/ul	
13) Anthracene	17.14	178	100348m	8.923	ng/ul	
15) Fluoranthene	19.08	202	596402m	33.771	ng/ul	
17) Pyrene	19.44	202	501223	26.672	ng/ul	96
18) Benzo(a)anthracene	21.20	228	285084m	17.429	ng/ul	
19) Chrysene	21.25	228	253357	12.044	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	350799m	21.754	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	136196m	7.463	ng/ul	
23) Benzo(a)pyrene	23.32	252	249718	15.228	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.62	276	165303	8.442	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.62	278	43362m	2.740	ng/ul	
26) Benzo(g,h,i)perylene	26.30	276	144930	8.221	ng/ul	95

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

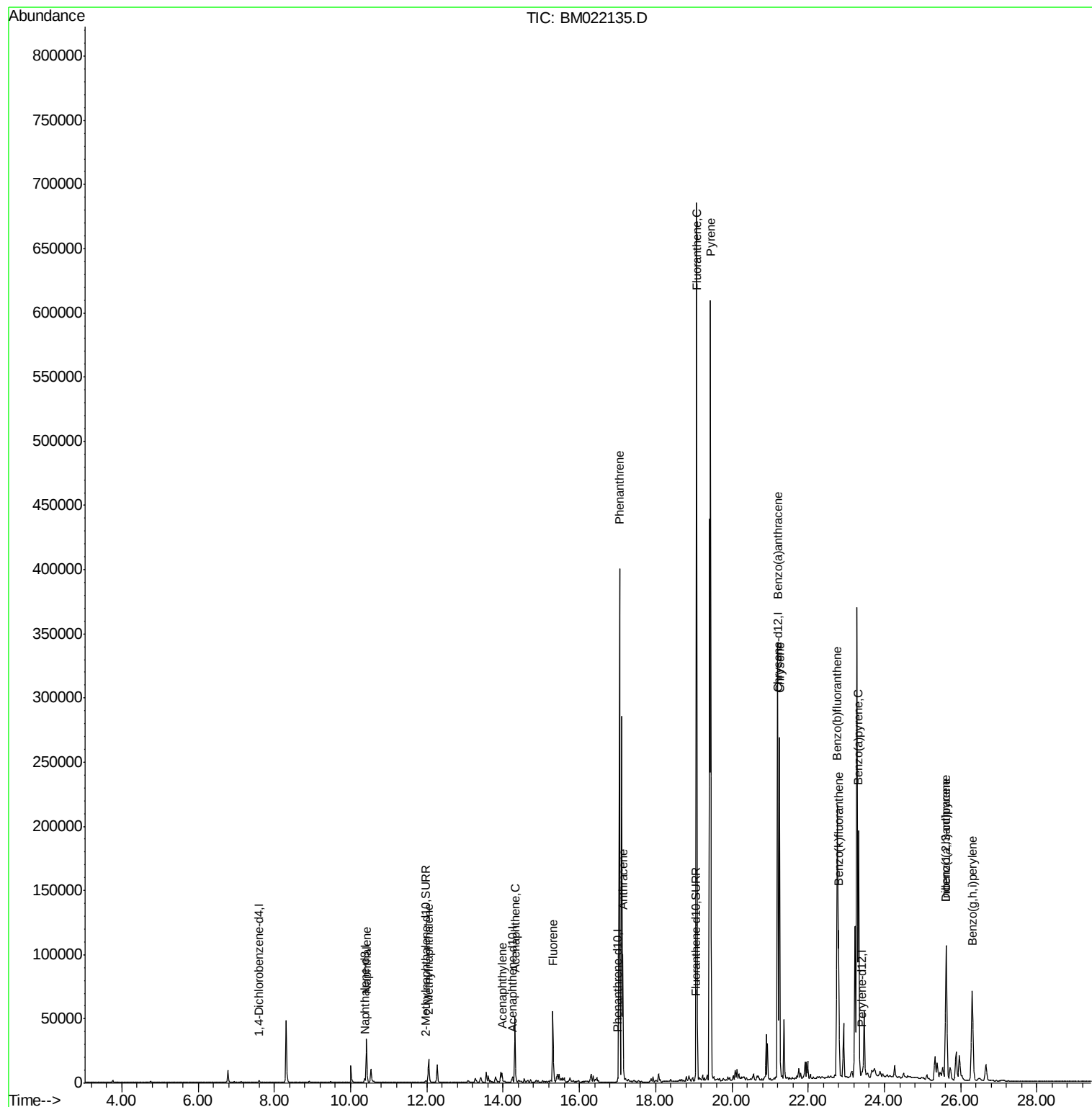
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022135.D
Acq On : 15 Aug 2019 08:52
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 38 Sample Multiplier: 1

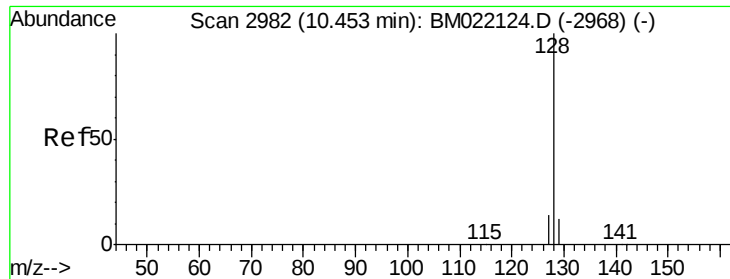
Instrument :
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CB5P4

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#3

Naphthalene

Concen: 4.380 ng/ul

RT: 10.42 min Scan# 2974

Delta R.T. -0.04 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Instrument :

BNA_M

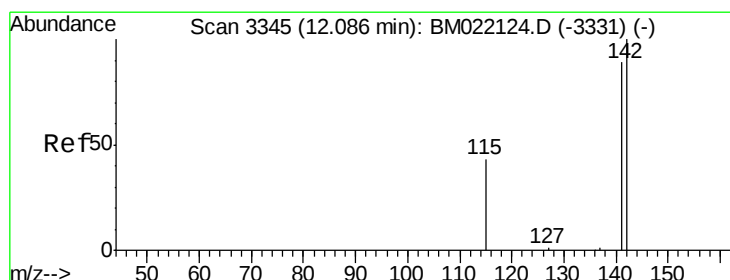
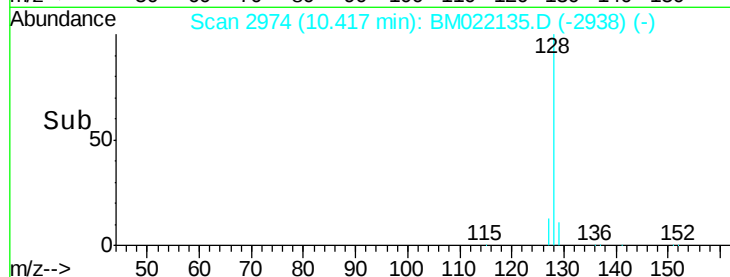
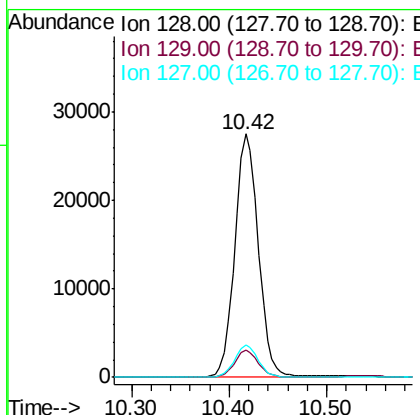
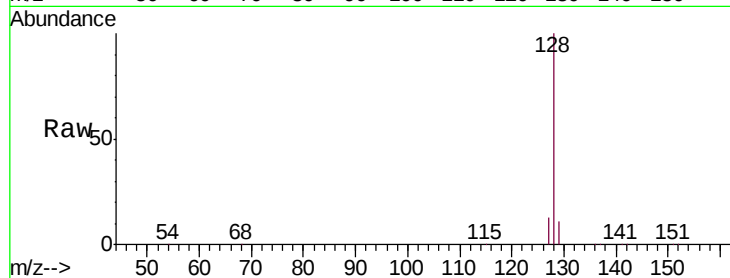
ClientSampleId :

CB5P4

Tgt Ion:	128	Resp:	45743
Ion Ratio	Lower	Upper	
128	100		
129	11.1	12.3	18.5#
127	13.2	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 2.033 ng/ul

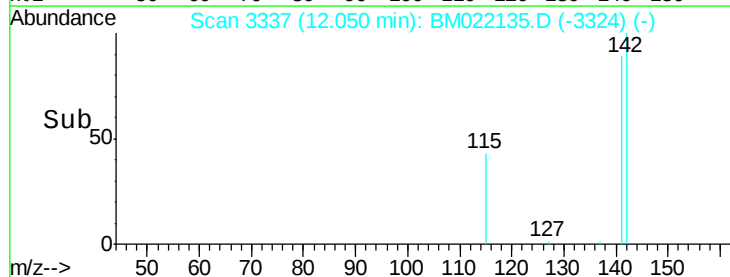
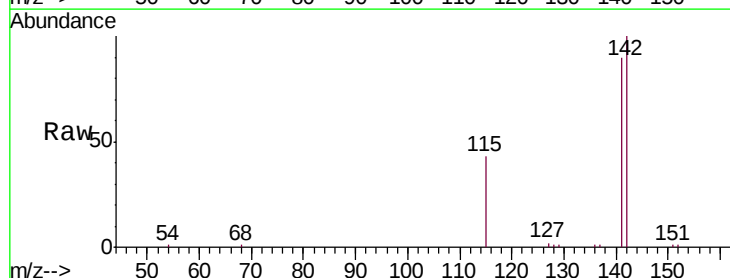
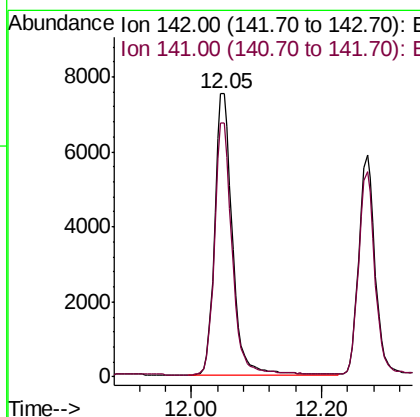
RT: 12.05 min Scan# 3337

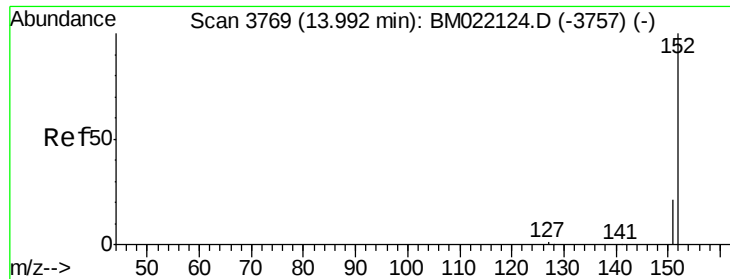
Delta R.T. -0.04 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Tgt Ion:	142	Resp:	14148
Ion Ratio	Lower	Upper	
142	100		
141	89.4	74.3	111.5





#7

Acenaphthylene

Concen: 0.672 ng/u1

RT: 13.97 min Scan# 3764

Delta R.T. -0.03 min

Lab File: BM022135.D

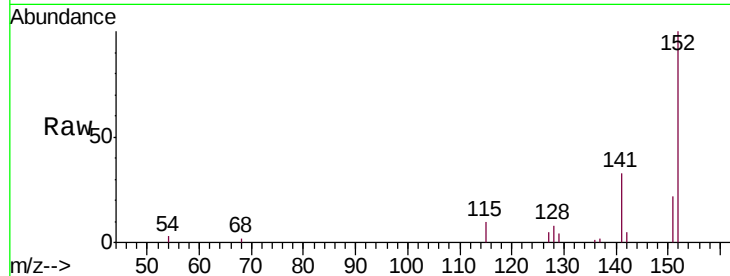
Acq: 15 Aug 2019 08:52

Instrument :

BNA_M

ClientSampleId :

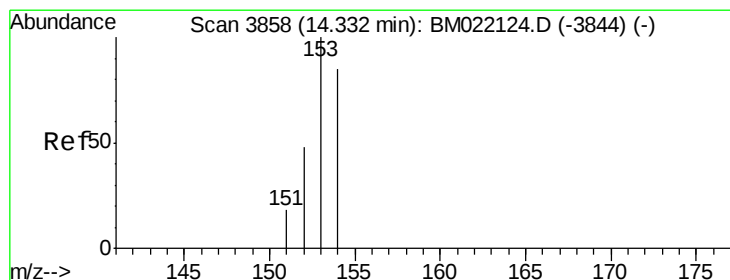
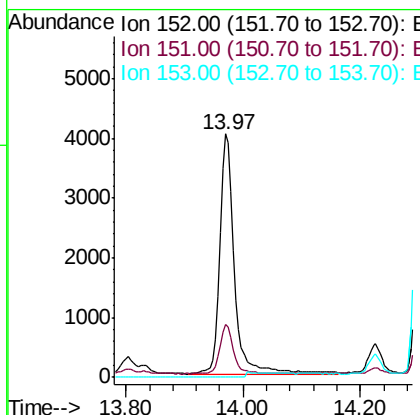
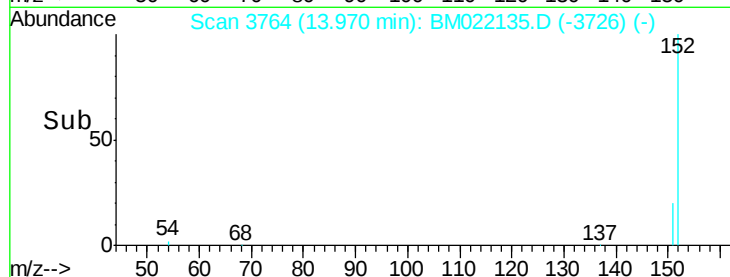
CB5P4



Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	18.3	27.5
153	0.0	12.8	19.2

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#8

Acenaphthene

Concen: 3.798 ng/u1

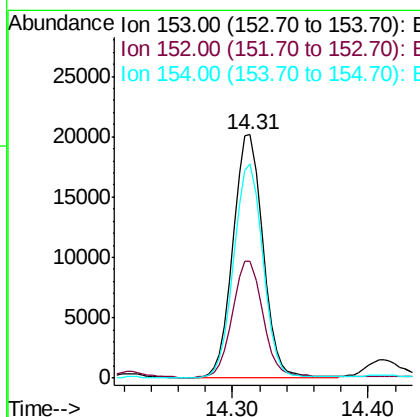
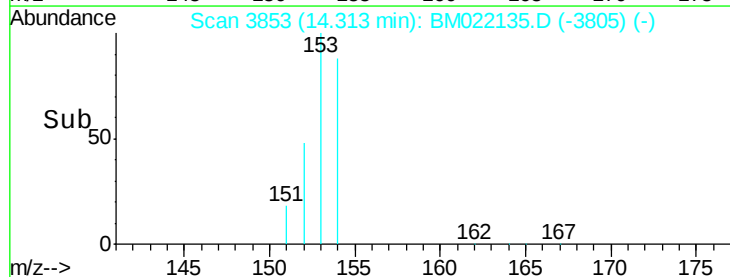
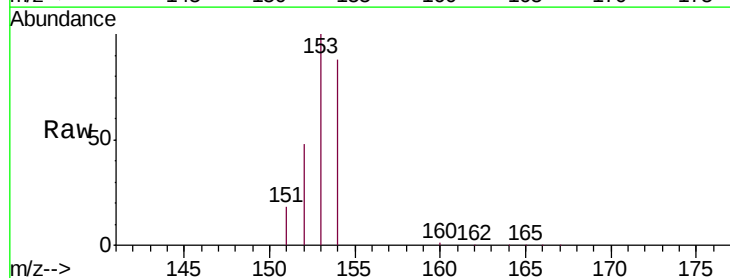
RT: 14.31 min Scan# 3853

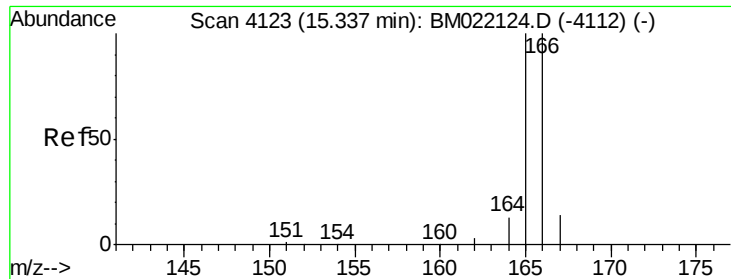
Delta R.T. -0.02 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.2	41.3	61.9
154	88.1	72.3	108.5





#9

Fluorene

Concen: 3.931 ng/ul

RT: 15.31 min Scan# 4115

Delta R.T. -0.03 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Instrument :

BNA_M

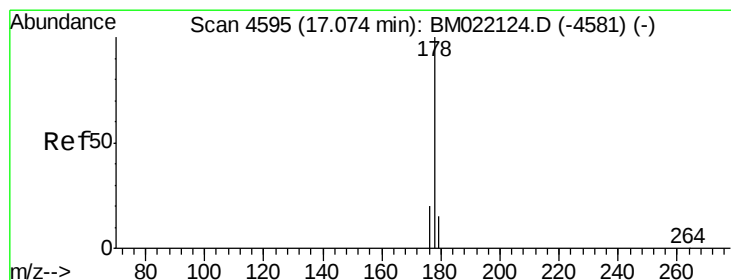
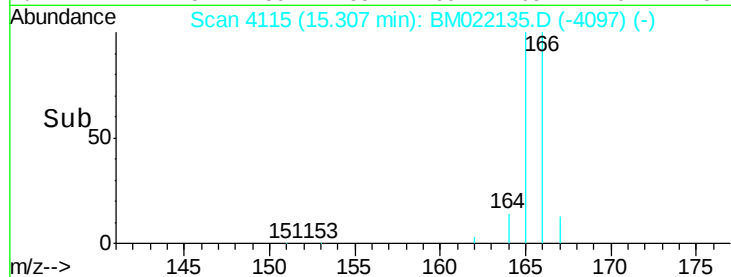
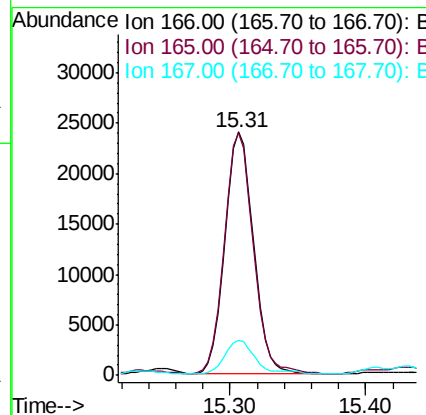
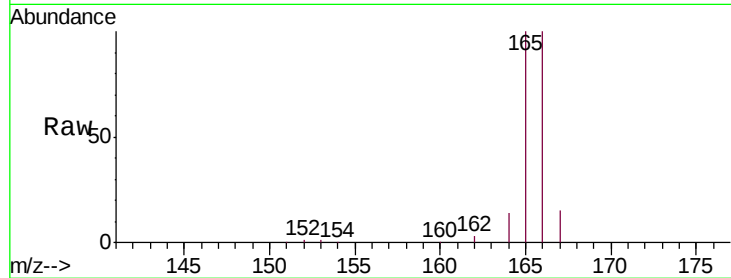
ClientSampleId :

CB5P4

Tgt Ion:	166	Resp:	34472
Ion Ratio	Lower	Upper	
166	100		
165	99.8	81.4	122.0
167	14.6	13.7	20.5

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#12

Phenanthrene

Concen: 31.399 ng/ul m

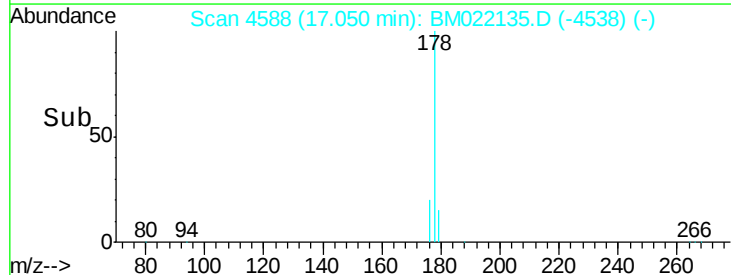
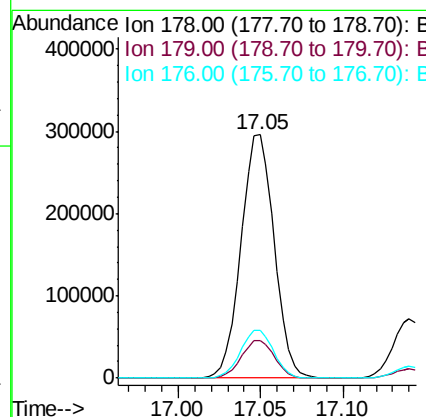
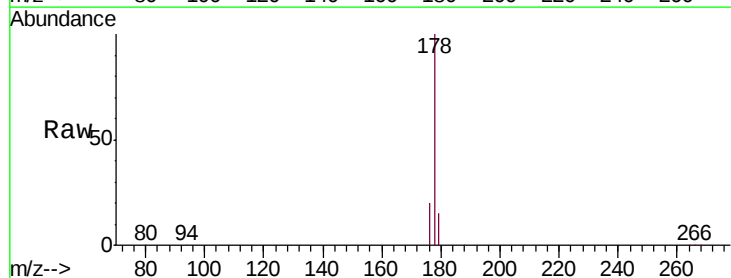
RT: 17.05 min Scan# 4588

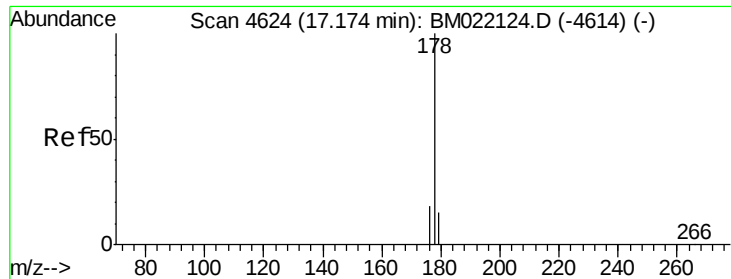
Delta R.T. -0.03 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Tgt Ion:	178	Resp:	413952
Ion Ratio	Lower	Upper	
178	100		
179	15.4	14.2	21.2
176	19.7	16.8	25.2





#13

Anthracene

Concen: 8.923 ng/ul m

RT: 17.14 min Scan# 4614

Delta R.T. -0.04 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Instrument :

BNA_M

ClientSampleId :

CB5P4

Tgt Ion:178 Resp: 100348

Ion Ratio Lower Upper

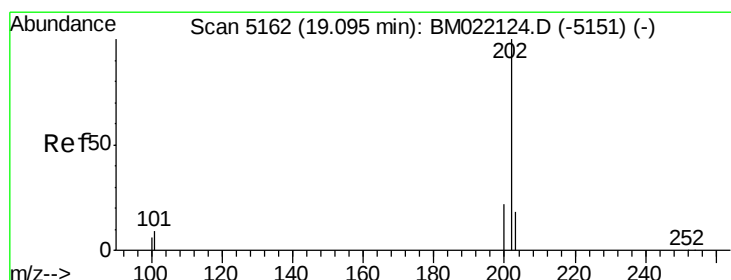
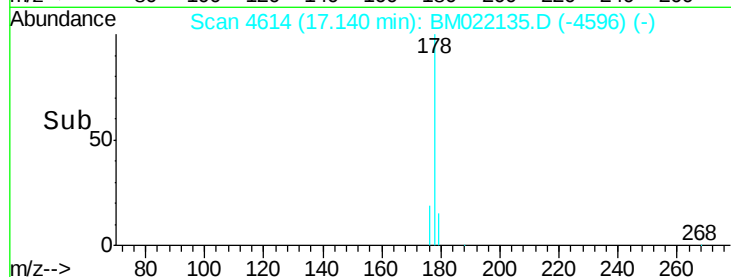
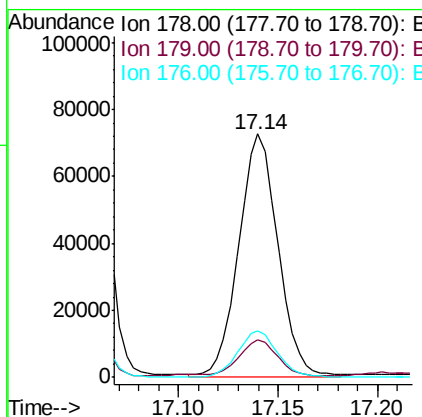
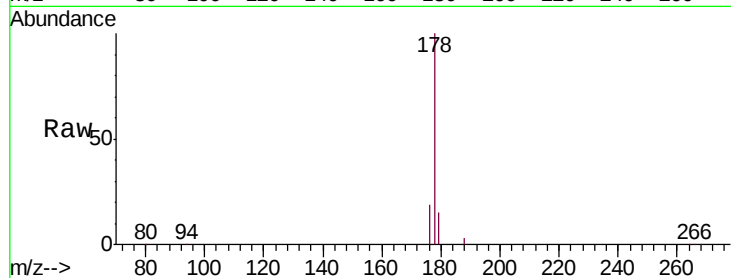
178 100

179 15.4 15.5 23.3#

176 19.2 16.6 25.0

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#15

Fluoranthene

Concen: 33.771 ng/ul m

RT: 19.08 min Scan# 5157

Delta R.T. -0.02 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

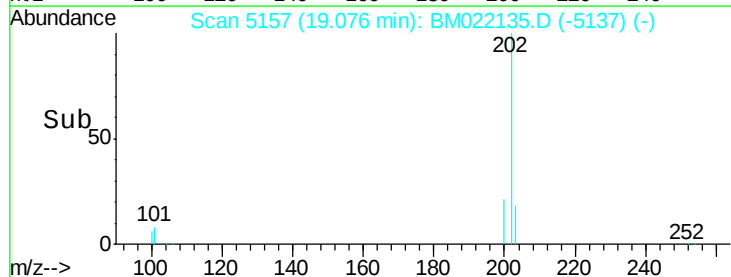
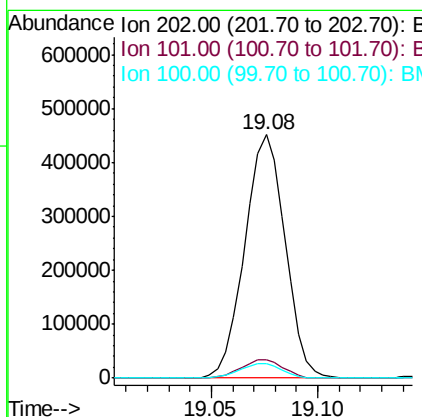
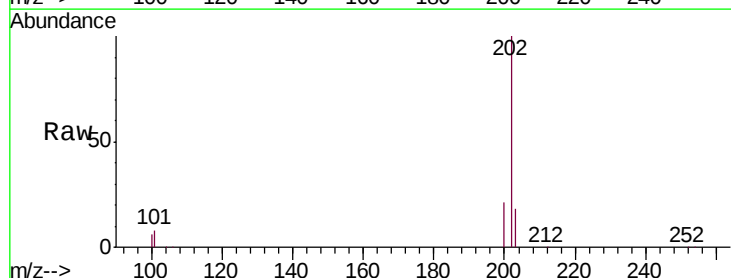
Tgt Ion:202 Resp: 596402

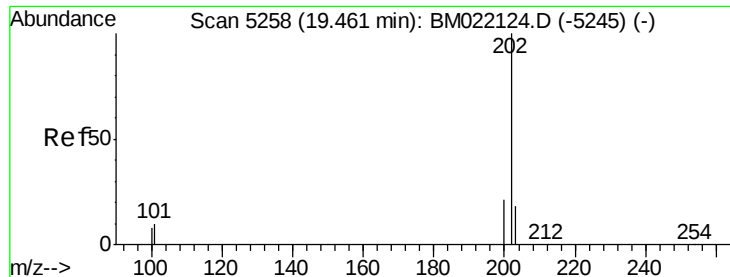
Ion Ratio Lower Upper

202 100

101 7.5 0.0 30.2

100 5.9 0.0 28.1





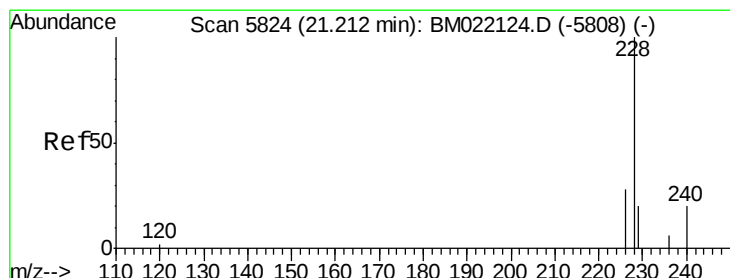
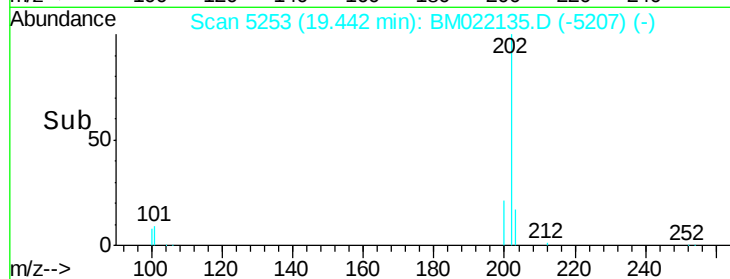
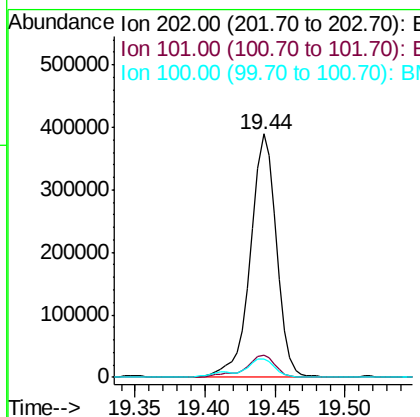
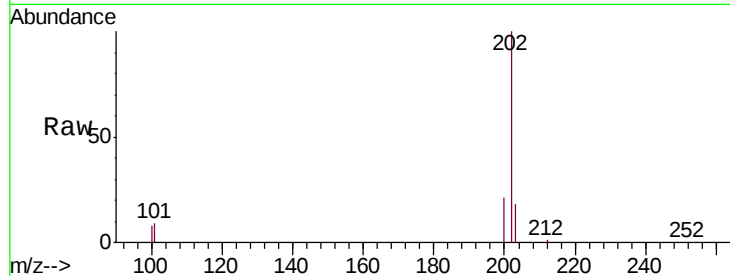
#17
 Pyrene
 Concen: 26.672 ng/ul
 RT: 19.44 min Scan# 5253
 Delta R.T. -0.02 min
 Lab File: BM022135.D
 Acq: 15 Aug 2019 08:52

Instrument :
 BNA_M
 ClientSampled :
 CB5P4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.1	8.3	12.5
100	7.7	7.2	10.8

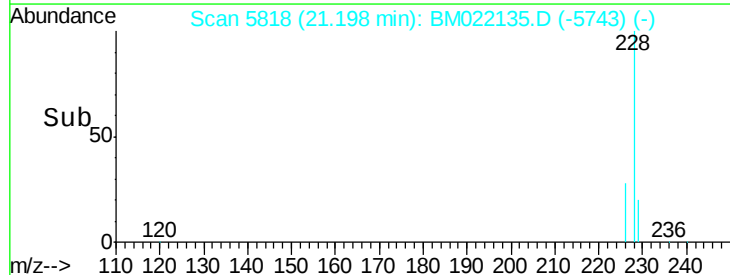
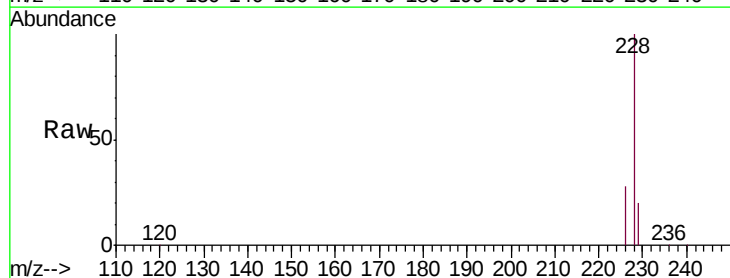
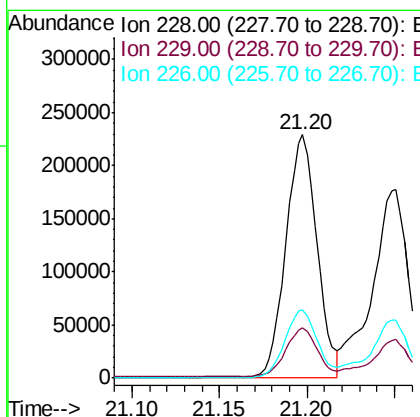
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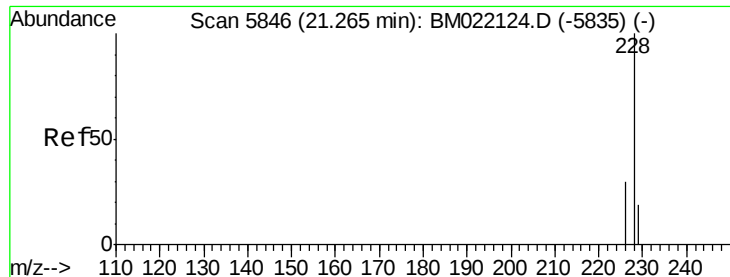
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#18
 Benzo(a)anthracene
 Concen: 17.429 ng/ul m
 RT: 21.20 min Scan# 5818
 Delta R.T. -0.02 min
 Lab File: BM022135.D
 Acq: 15 Aug 2019 08:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.5	17.2	25.8
226	28.2	22.6	34.0





#19

Chrysene

Concen: 12.044 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.02 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Instrument :

BNA_M

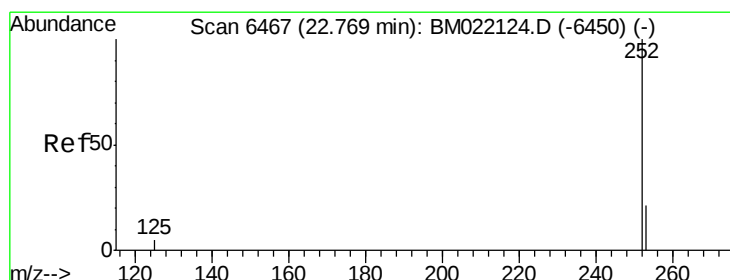
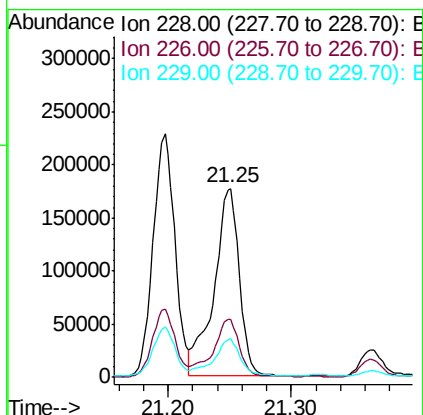
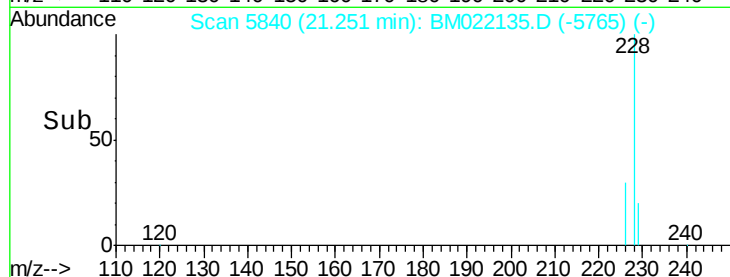
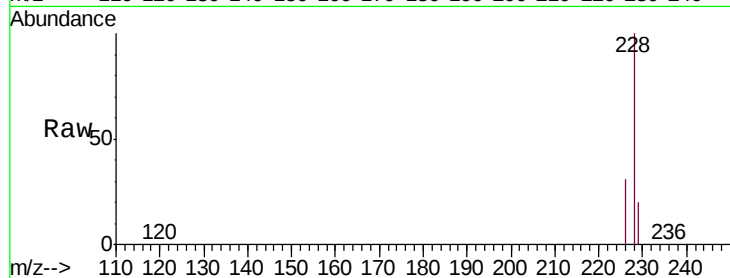
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Tgt Ion:	228	Resp:	253357
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	20.3	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 21.754 ng/ul m

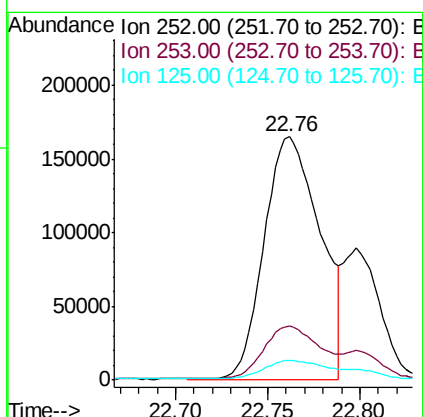
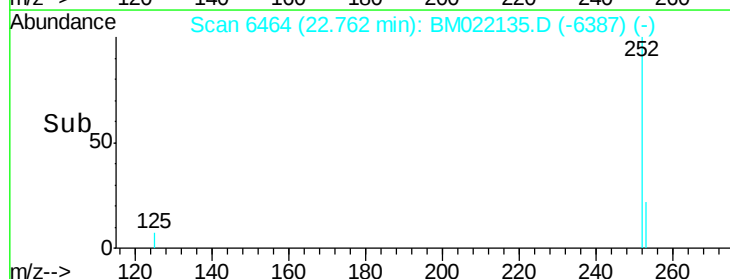
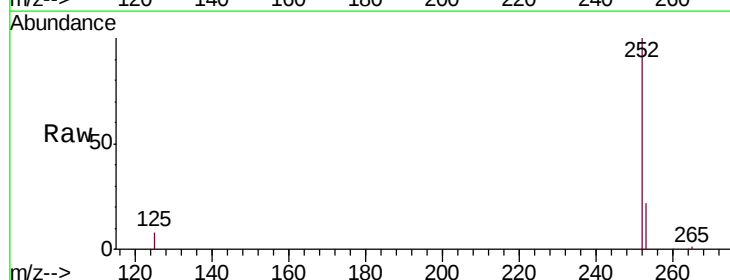
RT: 22.76 min Scan# 6464

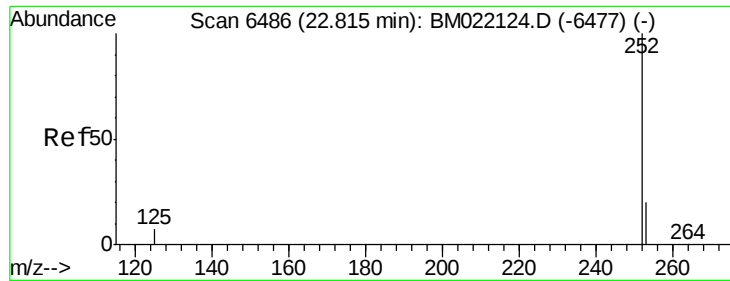
Delta R.T. -0.01 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Tgt Ion:	252	Resp:	350799
Ion Ratio	Lower	Upper	
252	100		
253	22.3	0.0	67.4
125	7.8	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 7.463 ng/ul

RT: 22.80 min Scan# 6479

Delta R.T. -0.02 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Instrument :

BNA_M

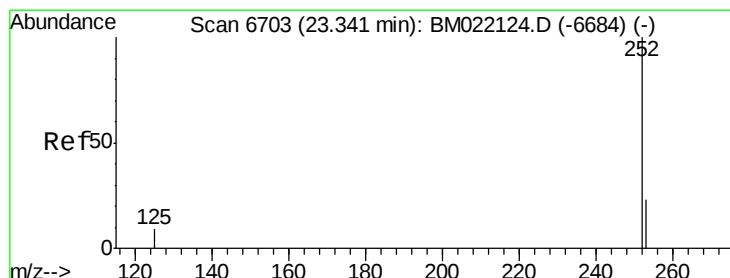
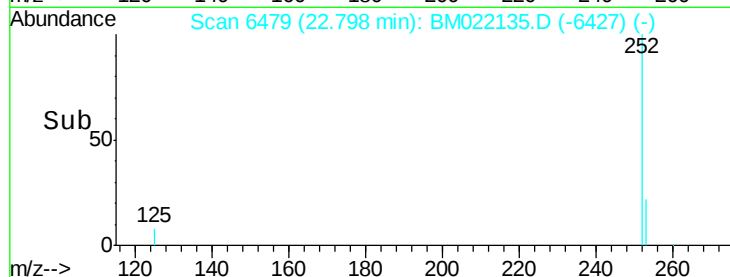
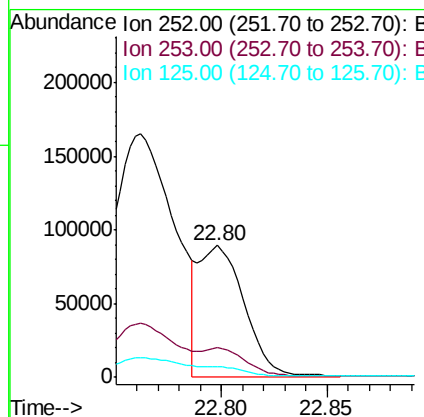
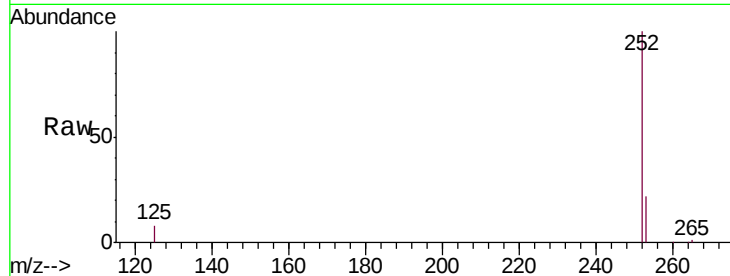
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
252	100	136196		
253	22.5	27.0	40.4#	
125	8.4	12.2	18.2#	

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#23

Benzo(a)pyrene

Concen: 15.228 ng/ul

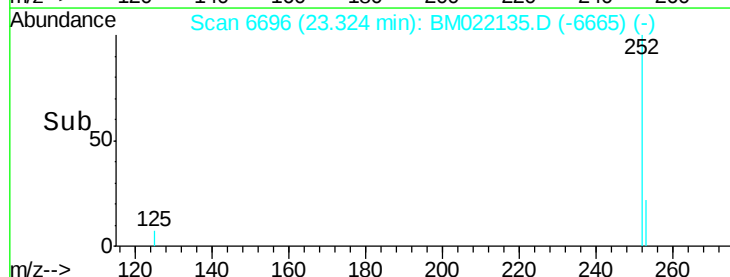
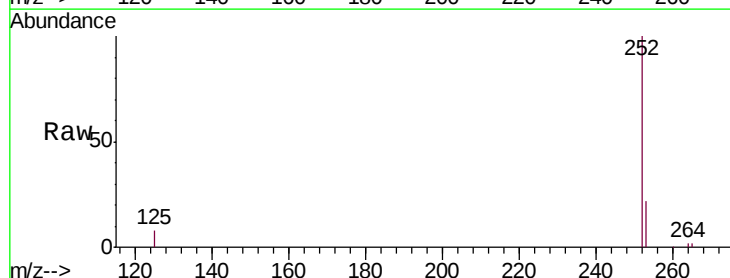
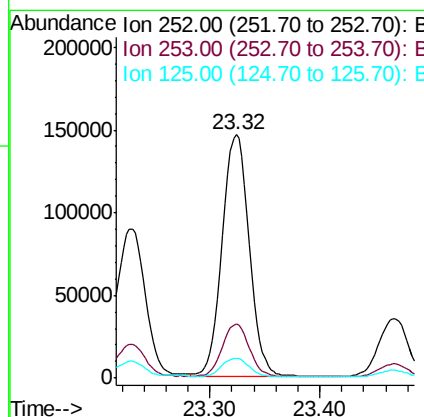
RT: 23.32 min Scan# 6696

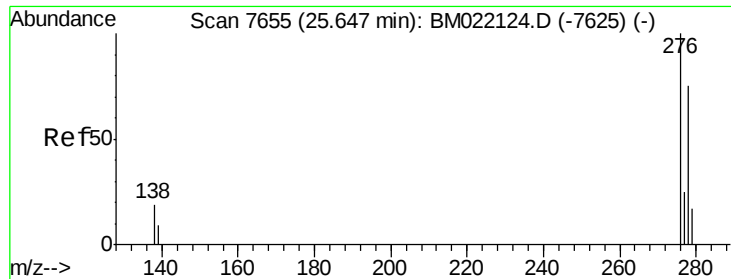
Delta R.T. -0.02 min

Lab File: BM022135.D

Acq: 15 Aug 2019 08:52

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	249718		
253	22.1	31.7	47.5#	
125	8.2	14.6	21.8#	





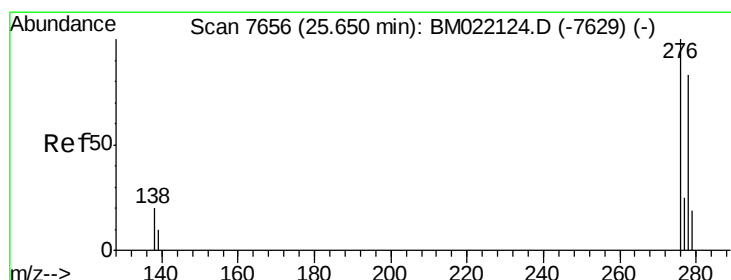
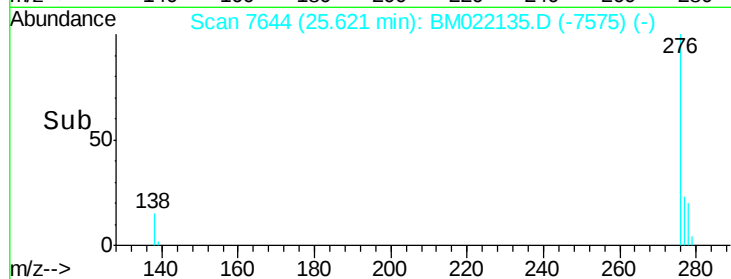
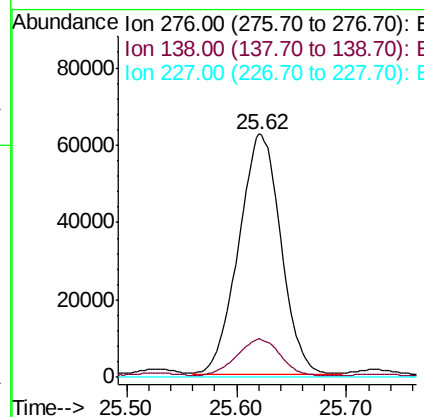
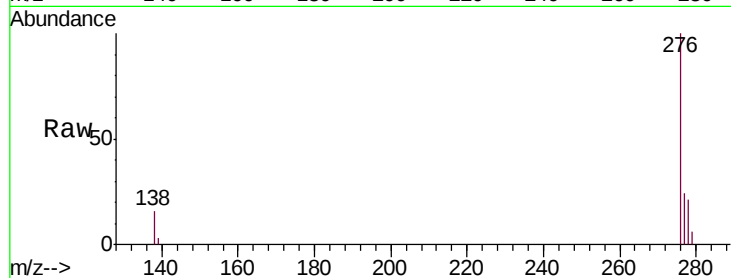
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 8.442 ng/ul
 RT: 25.62 min Scan# 7644
 Delta R.T. -0.03 min
 Lab File: BM022135.D
 Acq: 15 Aug 2019 08:52

Instrument :
 BNA_M
 ClientSampleId :
 CB5P4

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	165303		
138	15.8	15.1	22.7	
227	0.0	0.0	0.0	

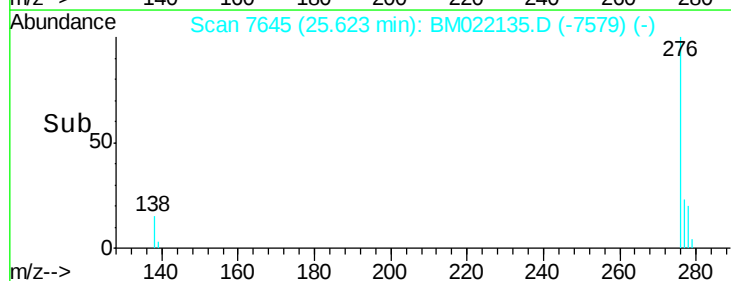
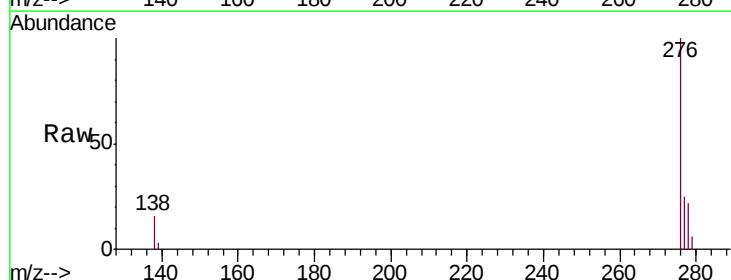
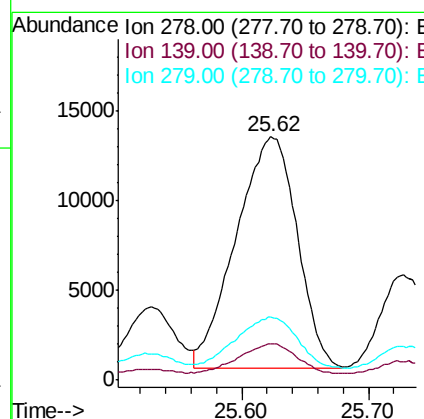
Manual Integrations
 APPROVED

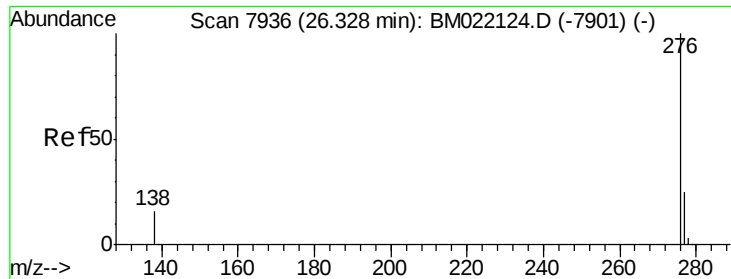
mohammad
 8/15/2019 5:10:28 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.740 ng/ul m
 RT: 25.62 min Scan# 7645
 Delta R.T. -0.04 min
 Lab File: BM022135.D
 Acq: 15 Aug 2019 08:52

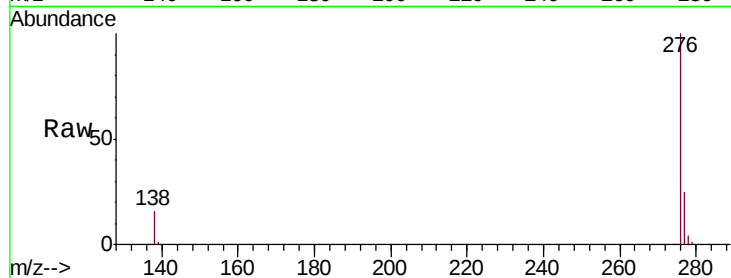
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	43362		
139	14.7	14.2	21.2	
279	26.1	28.3	42.5#	





#26
Benzo(g,h,i)perylene
Concen: 8.221 ng/ul
RT: 26.30 min Scan# 7926
Delta R.T. -0.03 min
Lab File: BM022135.D
Acq: 15 Aug 2019 08:52

Instrument :
BNA_M
ClientSampleId :
CB5P4



Tgt	Ion	276	Resp:	144930
	Ion	Ratio	Lower	Upper
	276	100		
	138	16.4	15.5	23.3
	277	24.8	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:28 PM

