

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM022009.D
 Acq On : 10 Aug 2019 23:49
 Operator : HP/JU
 Sample : K4028-06
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENY8

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:22 AM

Quant Time: Aug 11 03:08:52 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	848	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3556	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.27	164	1942	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	4587m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4449m	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	4952m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1381	0.24	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	4281m	0.28	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	3632	0.362	ng/ul	98
5) 2-Methylnaphthalene	12.07	142	1935	0.289	ng/ul	97
7) Acenaphthylene	13.99	152	13386	1.478	ng/ul#	82
8) Acenaphthene	14.33	153	7458	1.006	ng/ul	97
9) Fluorene	15.32	166	9220	1.120	ng/ul	98
12) Phenanthrene	17.06	178	227217m	17.024	ng/ul	
13) Anthracene	17.16	178	44937m	3.947	ng/ul	
15) Fluoranthene	19.09	202	675481m	37.781	ng/ul	
17) Pyrene	19.45	202	611182	33.430	ng/ul	96
18) Benzo(a)anthracene	21.20	228	340546m	21.399	ng/ul	
19) Chrysene	21.26	228	376329	18.388	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	533985m	31.977	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	192853m	10.205	ng/ul	
23) Benzo(a)pyrene	23.34	252	361029	21.259	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.64	276	267957	13.215	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	65990	4.026	ng/ul	90
26) Benzo(g,h,i)perylene	26.32	276	270292	14.807	ng/ul	94

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

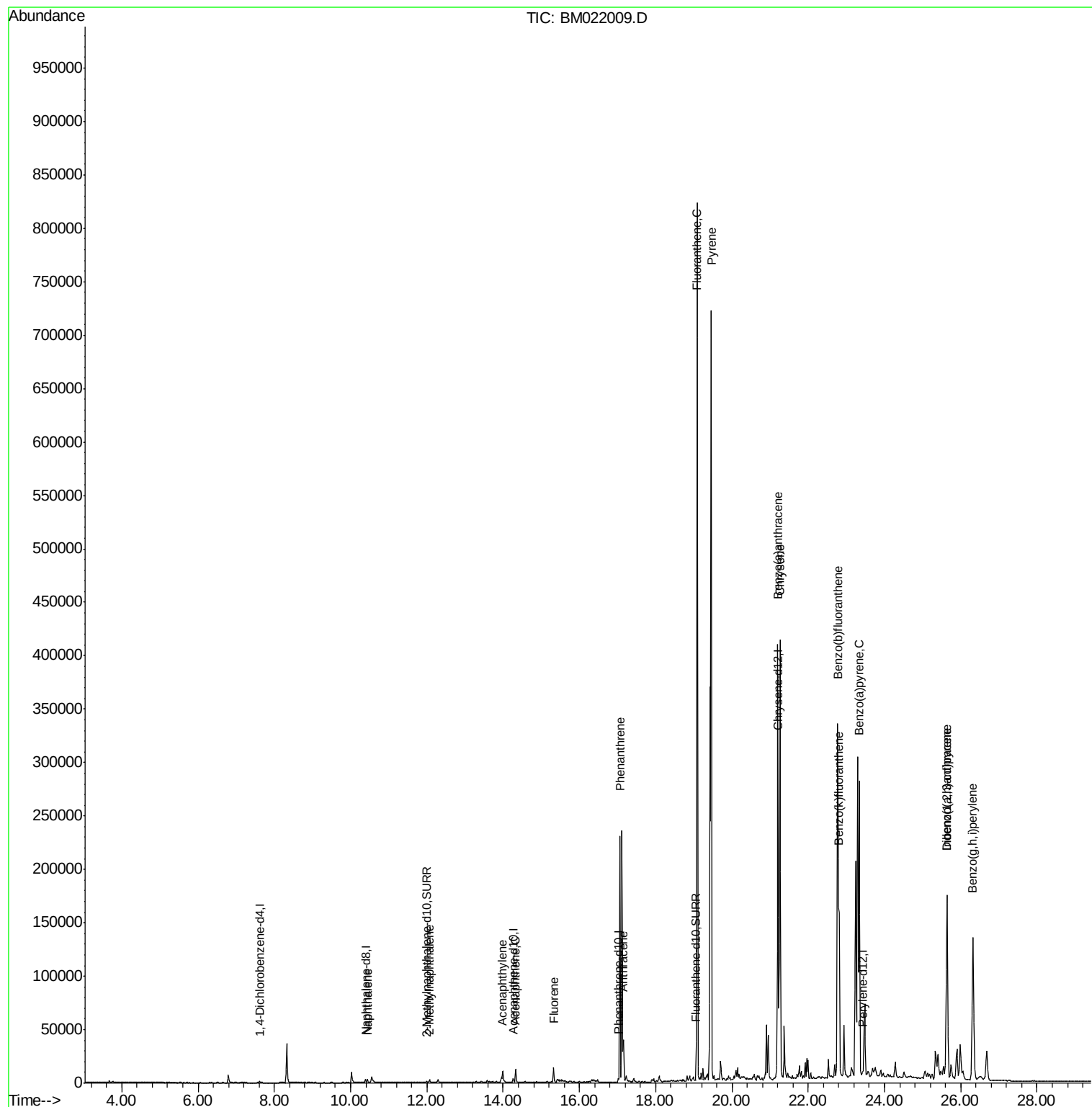
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM022009.D
Acq On : 10 Aug 2019 23:49
Operator : HP/JU
Sample : K4028-06
Misc :
ALS Vial : 46 Sample Multiplier: 1

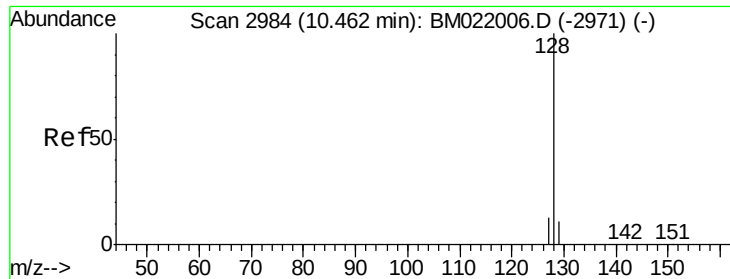
Instrument :
BNA_M
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Quant Time: Aug 11 03:08:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 01:49:36 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.362 ng/ul

RT: 10.44 min Scan# 2979

Delta R.T. -0.03 min

Lab File: BM022009.D

Acq: 10 Aug 2019 23:49

Instrument :

BNA_M

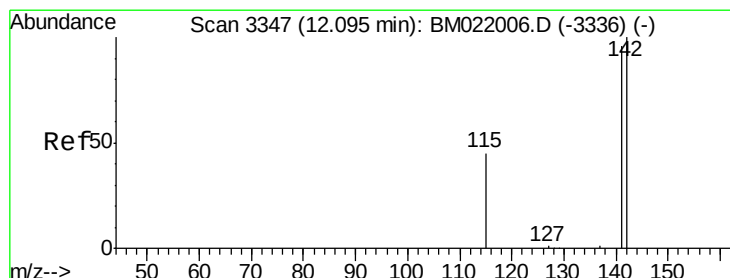
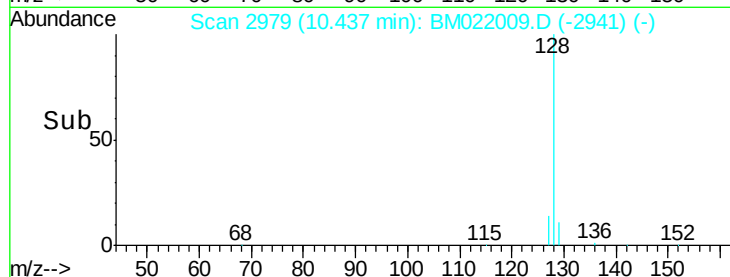
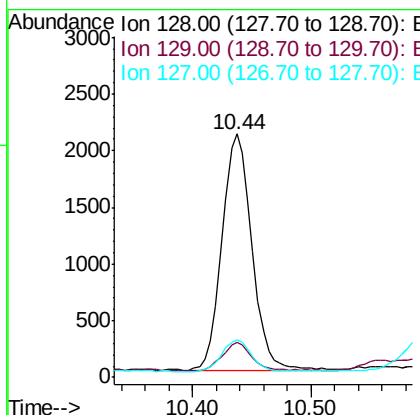
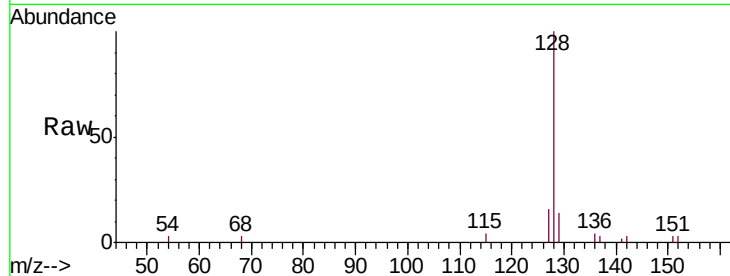
ClientSampled :

BENY8

Tgt Ion:	128	Resp:	3632
Ion	Ratio	Lower	Upper
128	100		
129	14.2	12.3	18.5
127	15.7	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.289 ng/ul

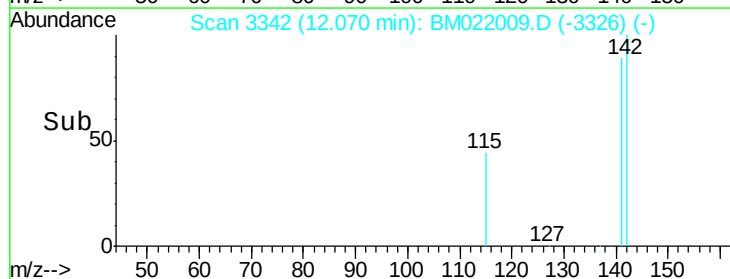
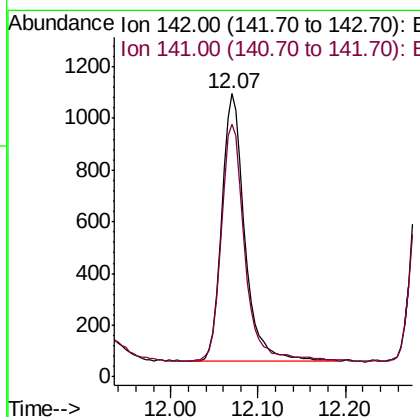
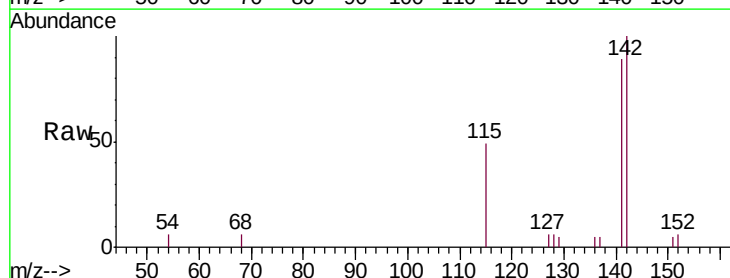
RT: 12.07 min Scan# 3342

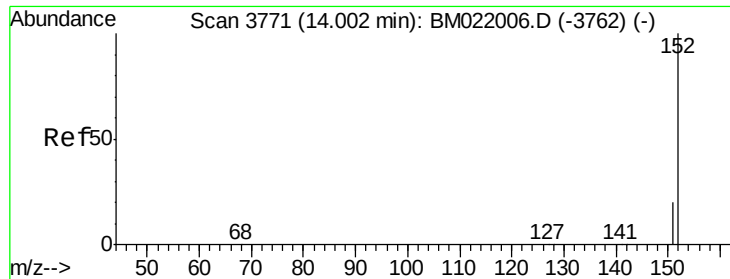
Delta R.T. -0.03 min

Lab File: BM022009.D

Acq: 10 Aug 2019 23:49

Tgt Ion:	142	Resp:	1935
Ion	Ratio	Lower	Upper
142	100		
141	89.7	74.3	111.5





#7

Acenaphthylene

Concen: 1.478 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM022009.D

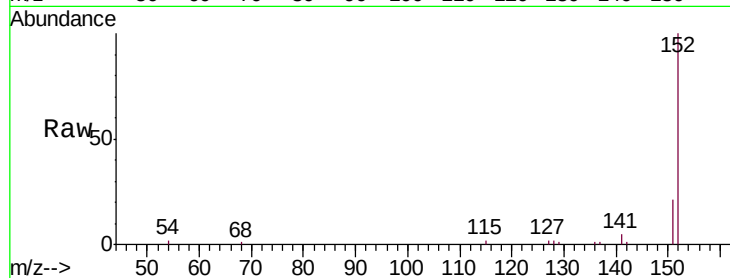
Acq: 10 Aug 2019 23:49

Instrument :

BNA_M

ClientSampled :

BENY8



Tgt Ion:152 Resp: 13386

Ion Ratio Lower Upper

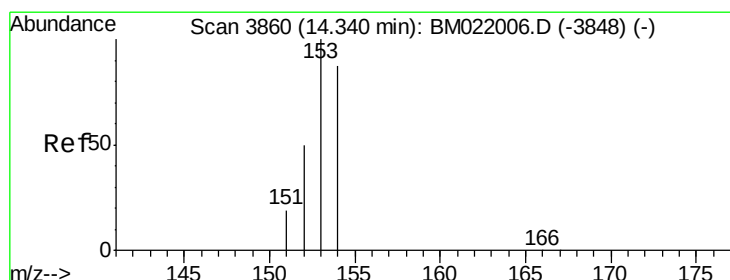
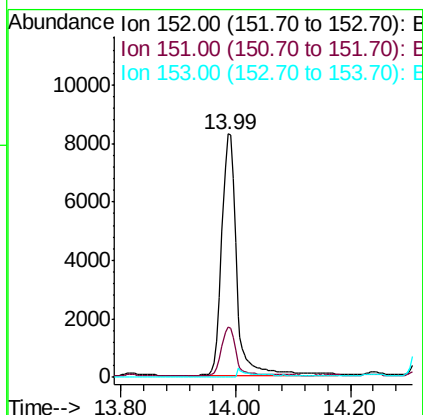
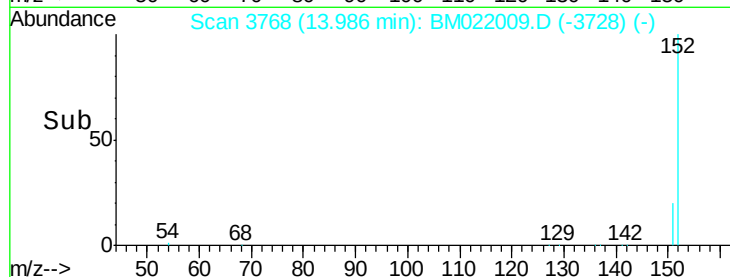
152 100

151 20.7 18.3 27.5

153 0.0 12.8 19.2#

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#8

Acenaphthene

Concen: 1.006 ng/ul

RT: 14.33 min Scan# 3857

Delta R.T. -0.02 min

Lab File: BM022009.D

Acq: 10 Aug 2019 23:49

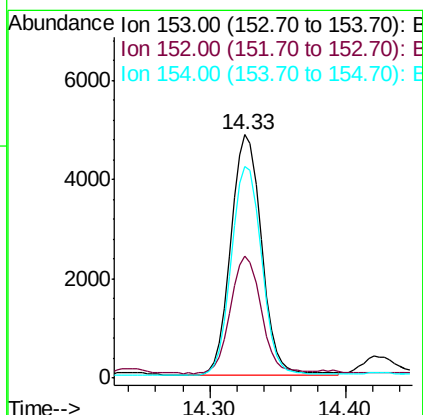
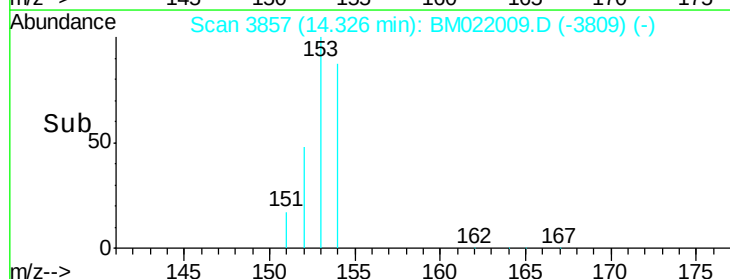
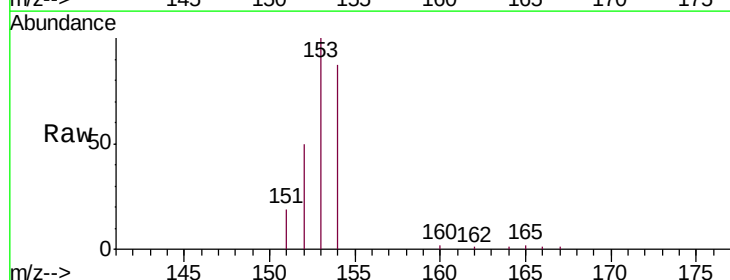
Tgt Ion:153 Resp: 7458

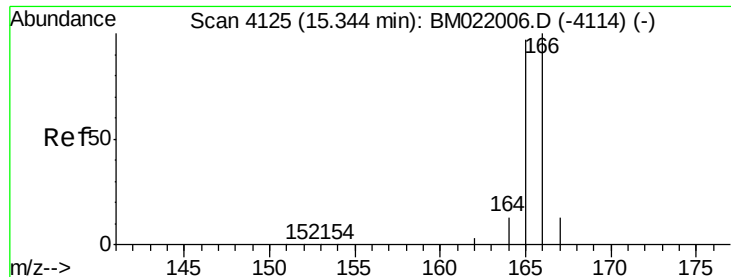
Ion Ratio Lower Upper

153 100

152 50.1 41.3 61.9

154 87.0 72.3 108.5





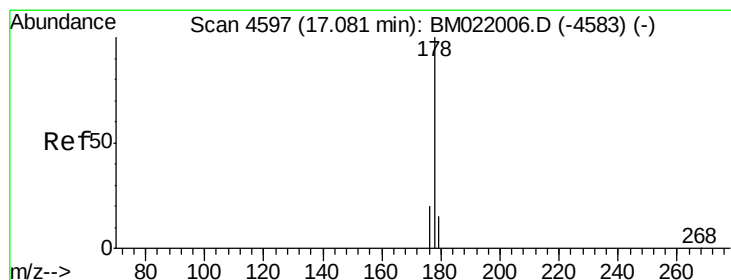
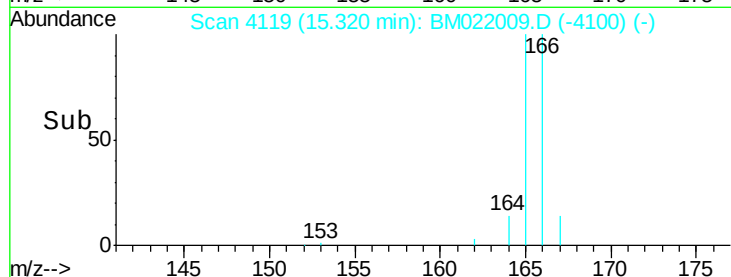
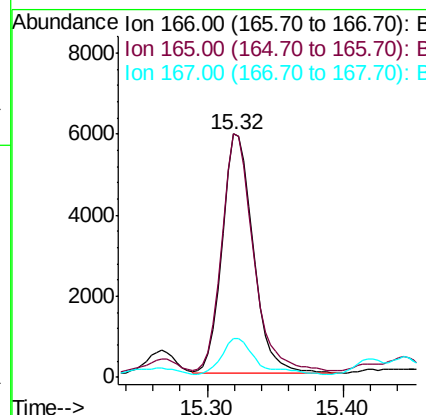
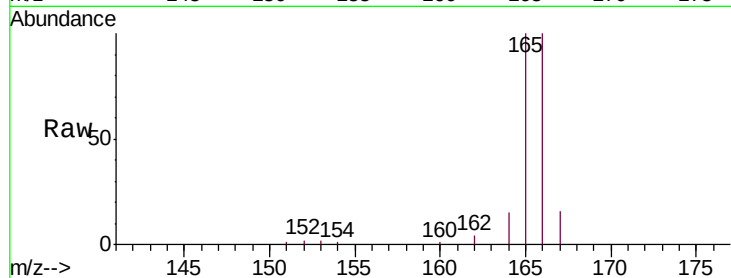
#9
Fluorene
 Concen: 1.120 ng/ul
 RT: 15.32 min Scan# 4119
 Delta R.T. -0.03 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 BENY8

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	81.4	122.0
167	16.2	13.7	20.5

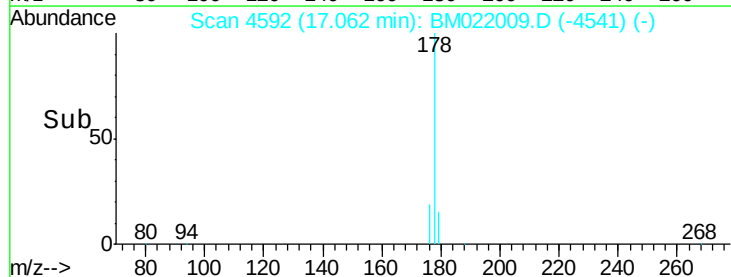
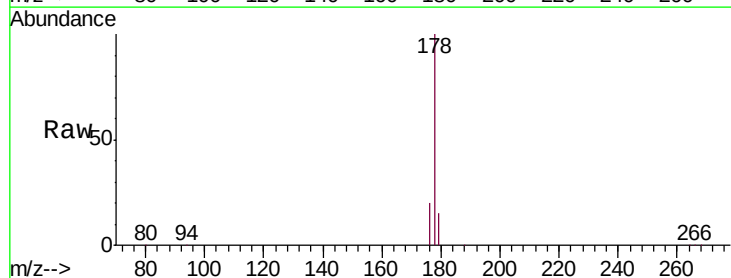
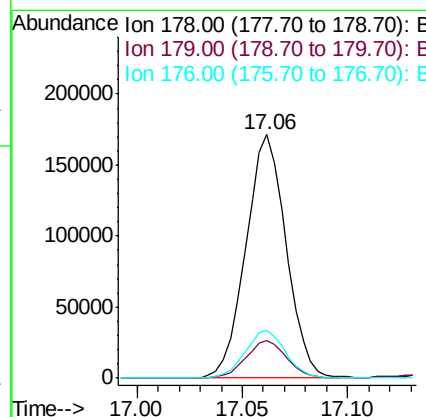
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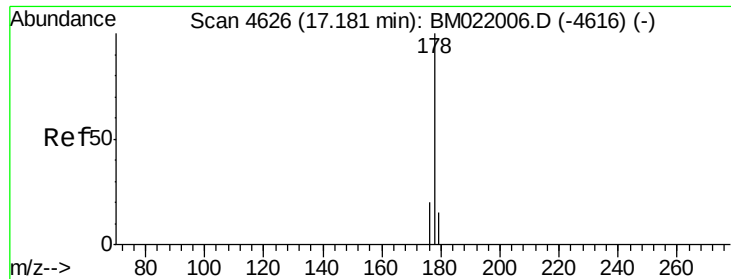
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#12
Phenanthrene
 Concen: 17.024 ng/ul m
 RT: 17.06 min Scan# 4592
 Delta R.T. -0.02 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	14.2	21.2
176	19.5	16.8	25.2





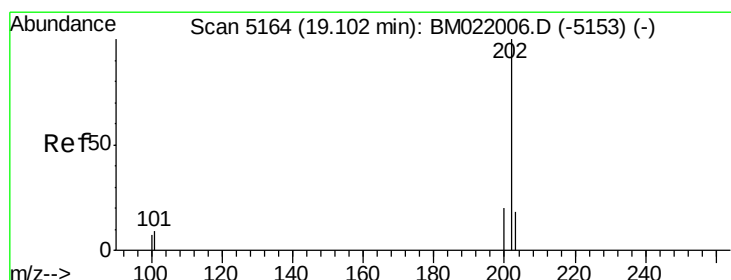
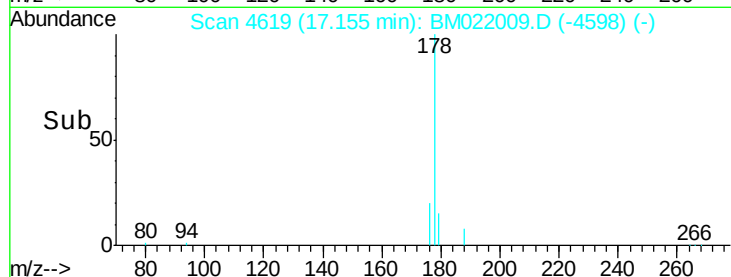
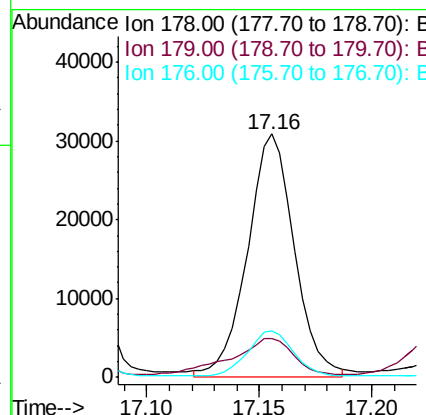
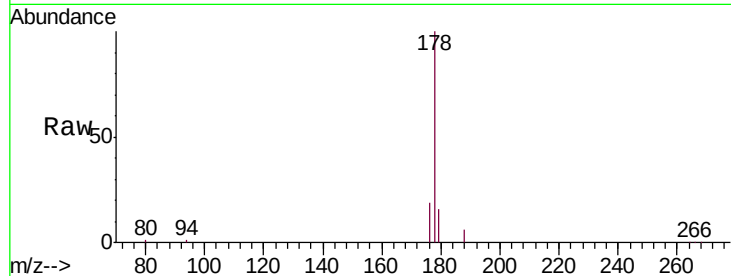
#13
 Anthracene
 Concen: 3.947 ng/ul m
 RT: 17.16 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 BENY8

Tgt Ion:178 Resp: 44937
 Ion Ratio Lower Upper
 178 100
 179 16.0 15.5 23.3
 176 19.2 16.6 25.0

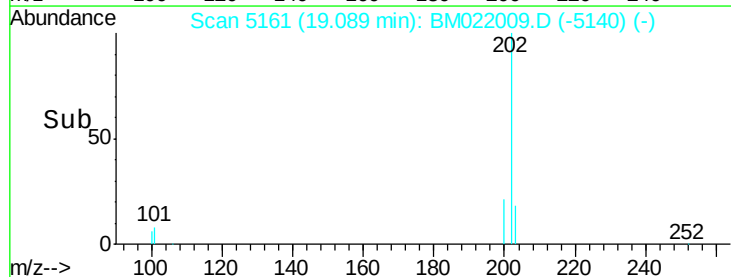
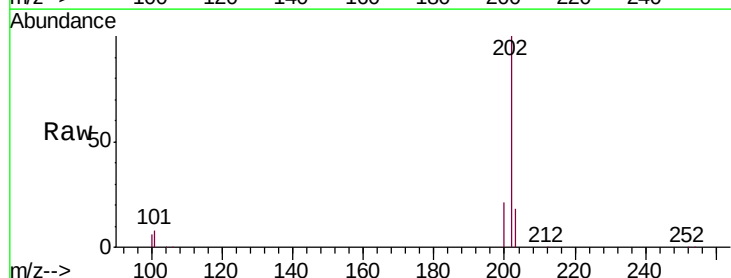
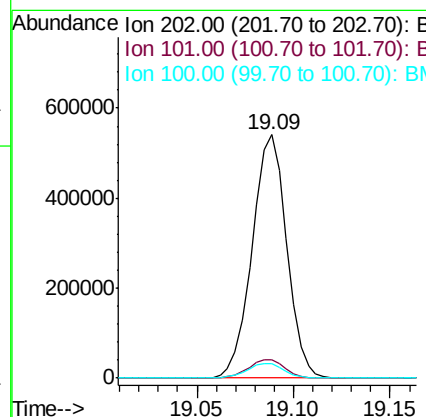
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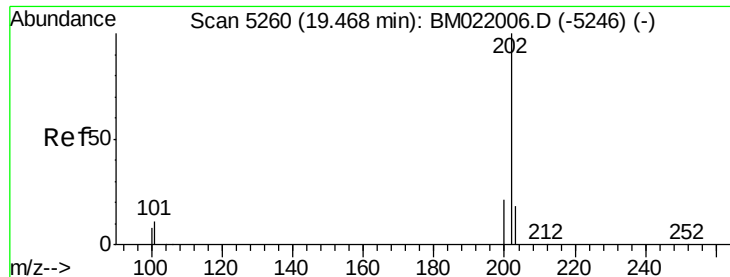
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#15
 Fluoranthene
 Concen: 37.781 ng/ul m
 RT: 19.09 min Scan# 5161
 Delta R.T. -0.02 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Tgt Ion:202 Resp: 675481
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 30.2
 100 6.0 0.0 28.1





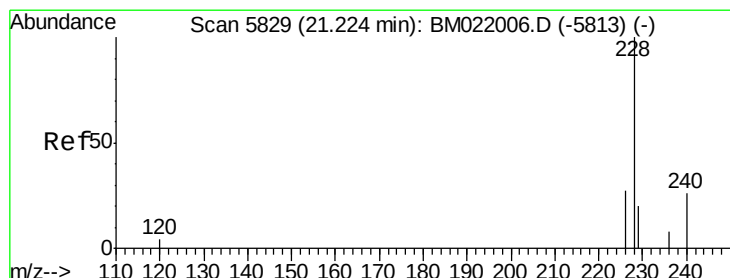
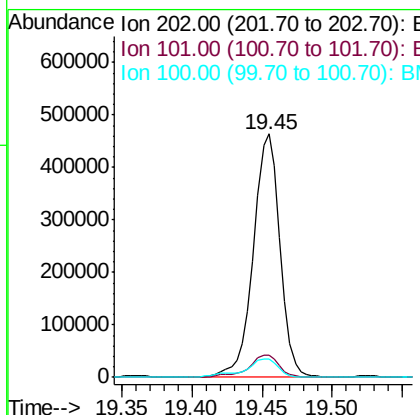
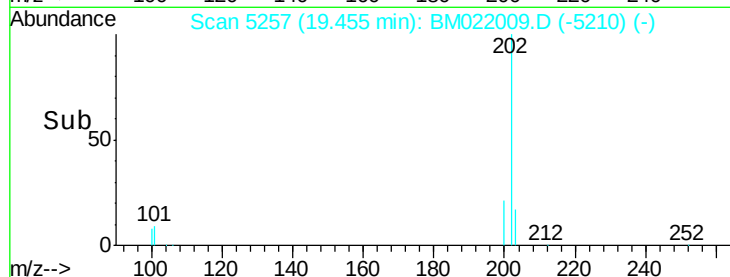
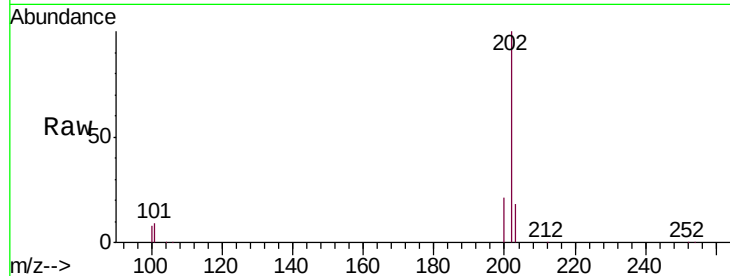
#17
Pyrene
 Concen: 33.430 ng/ul
 RT: 19.45 min Scan# 5257
 Delta R.T. -0.02 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 BENY8

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.2	8.3	12.5
100	7.6	7.2	10.8

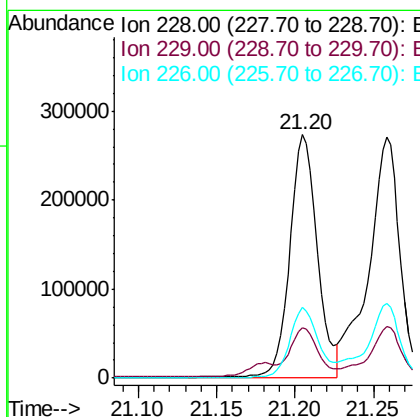
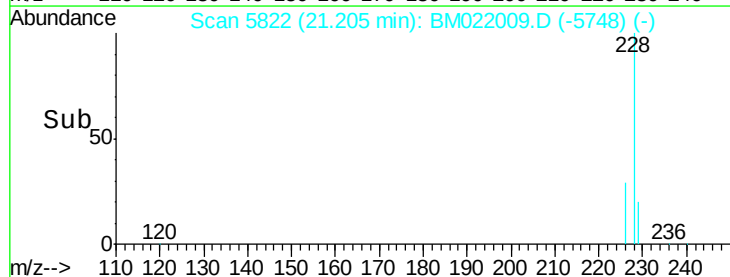
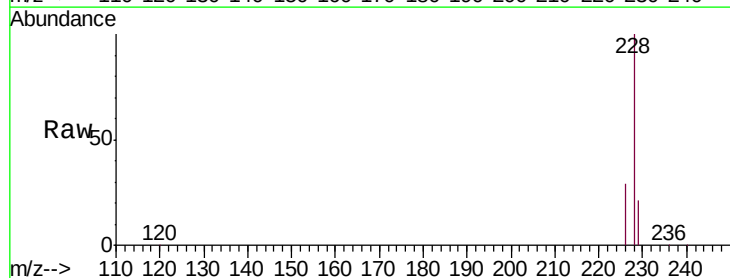
Manual Integrations
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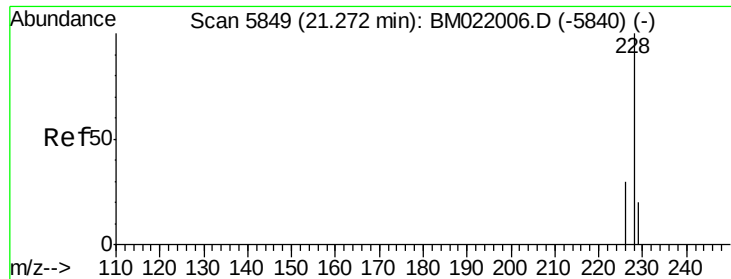
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#18
Benzo(a)anthracene
 Concen: 21.399 ng/ul m
 RT: 21.20 min Scan# 5822
 Delta R.T. -0.02 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	17.2	25.8
226	29.0	22.6	34.0





#19

Chrysene

Concen: 18.388 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.02 min

Lab File: BM022009.D

Acq: 10 Aug 2019 23:49

Instrument :

BNA_M

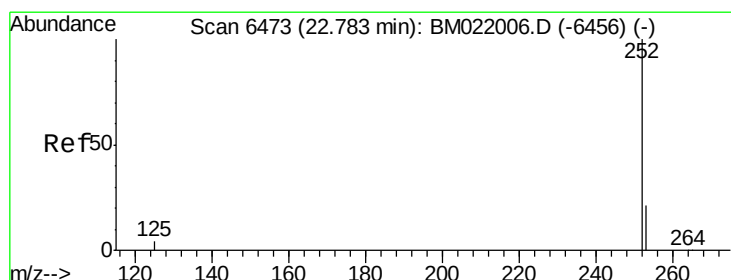
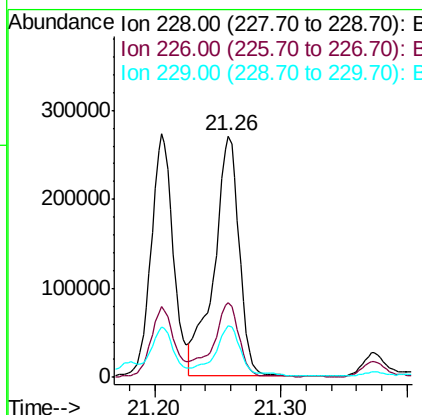
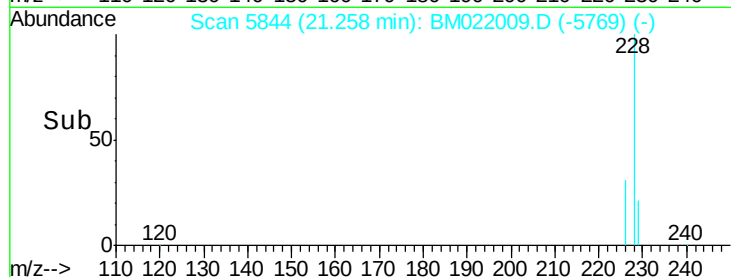
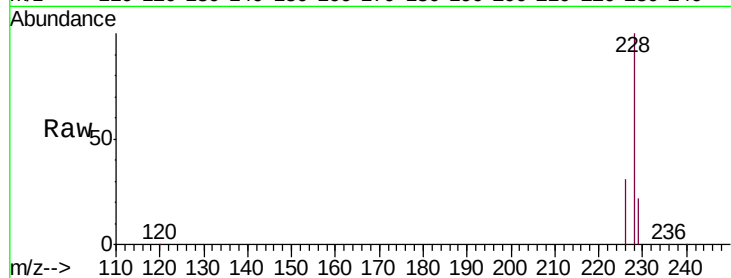
ClientSampleId :

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Tgt Ion:	228	Resp:	376329
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	21.5	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 31.977 ng/ul m

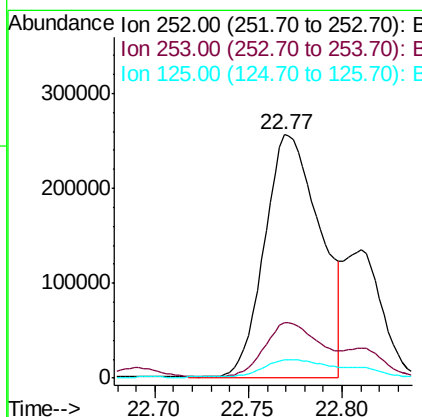
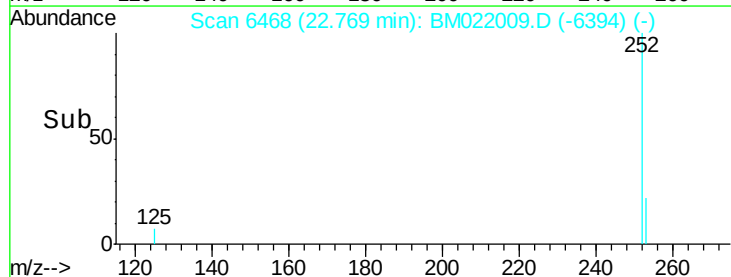
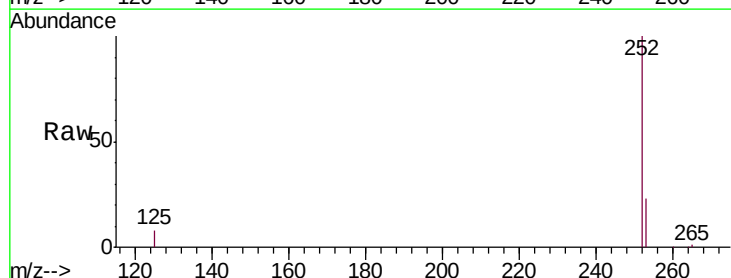
RT: 22.77 min Scan# 6468

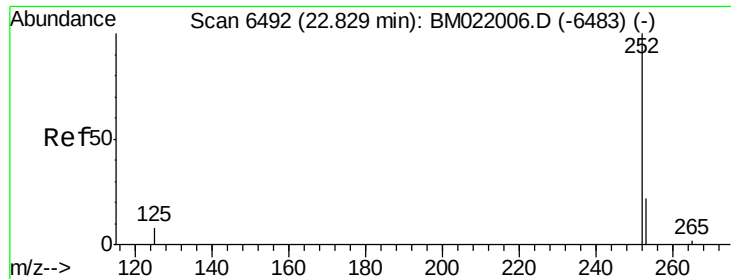
Delta R.T. -0.02 min

Lab File: BM022009.D

Acq: 10 Aug 2019 23:49

Tgt Ion:	252	Resp:	533985
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	67.4
125	7.7	0.0	31.0





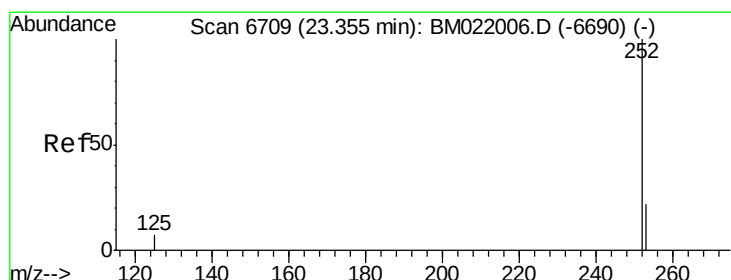
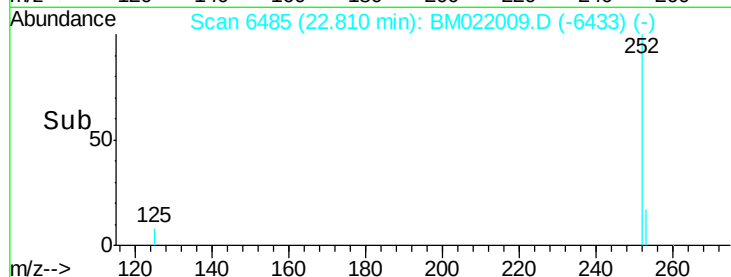
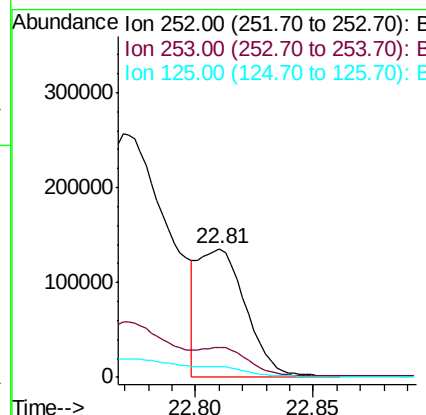
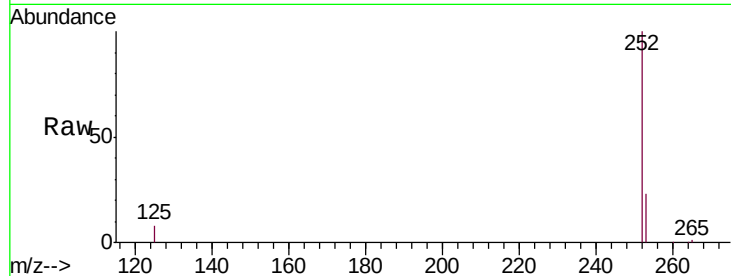
#22
Benzo(k)fluoranthene
Concen: 10.205 ng/ul m
RT: 22.81 min Scan# 6485
Delta R.T. -0.02 min
Lab File: BM022009.D
Acq: 10 Aug 2019 23:49

Instrument :
BNA_M
ClientSampleId :
BENY8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	27.0	40.4#
125	8.2	12.2	18.2#

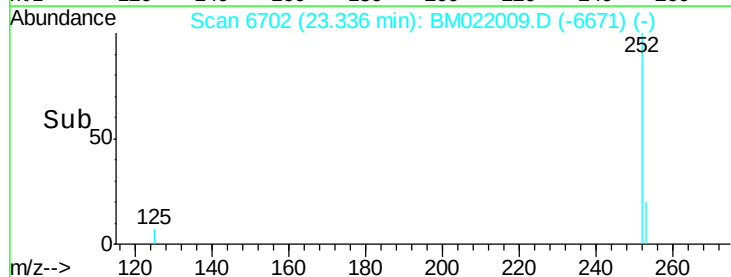
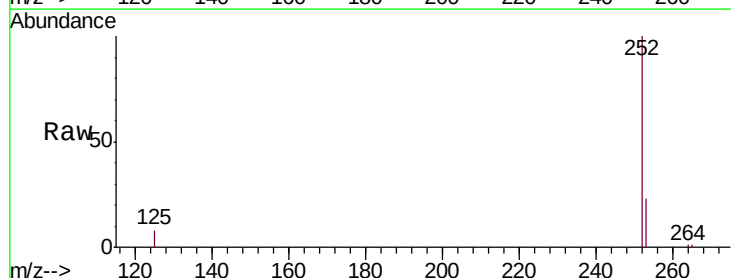
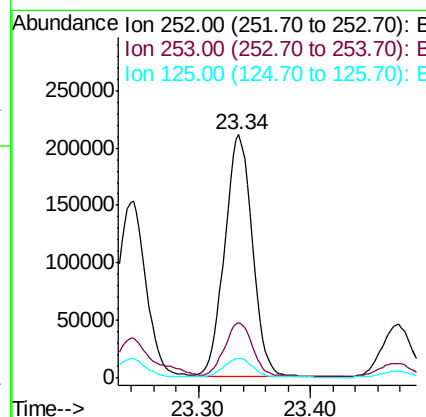
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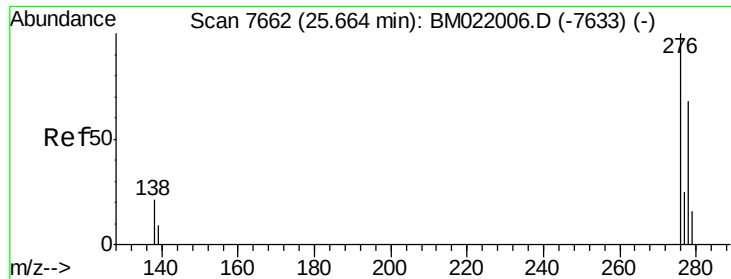
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#23
Benzo(a)pyrene
Concen: 21.259 ng/ul
RT: 23.34 min Scan# 6702
Delta R.T. -0.02 min
Lab File: BM022009.D
Acq: 10 Aug 2019 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	31.7	47.5#
125	8.2	14.6	21.8#





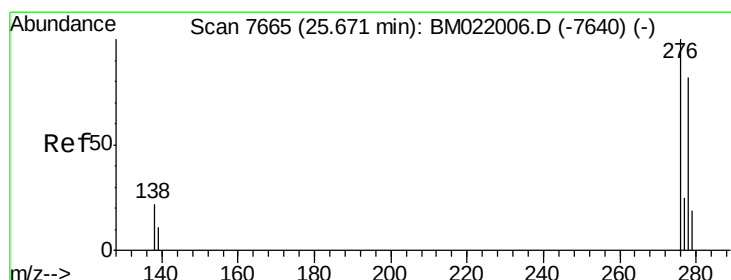
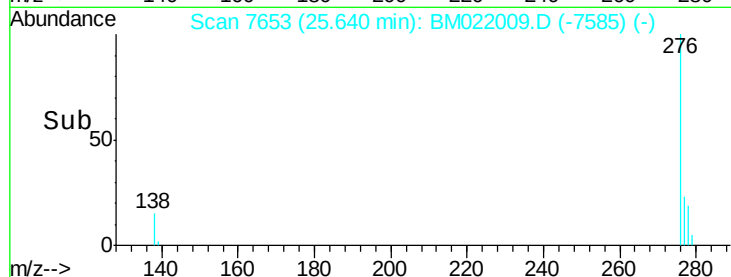
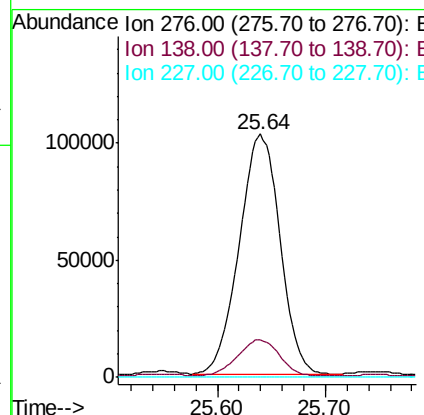
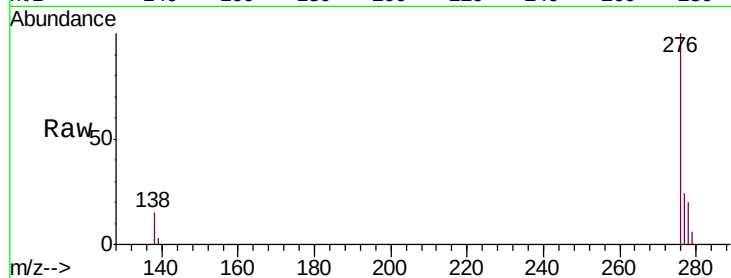
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 13.215 ng/ul
 RT: 25.64 min Scan# 7653
 Delta R.T. -0.04 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 BENY8

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.6	15.1	22.7
227	0.0	0.0	0.0

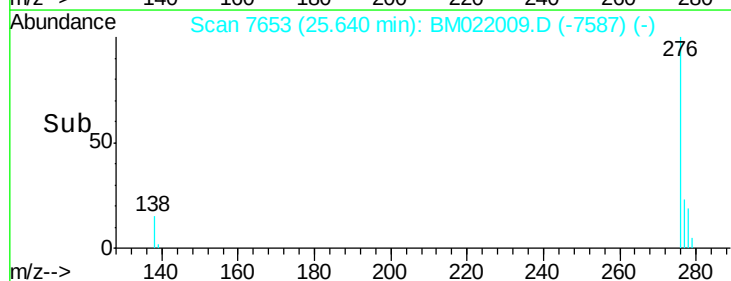
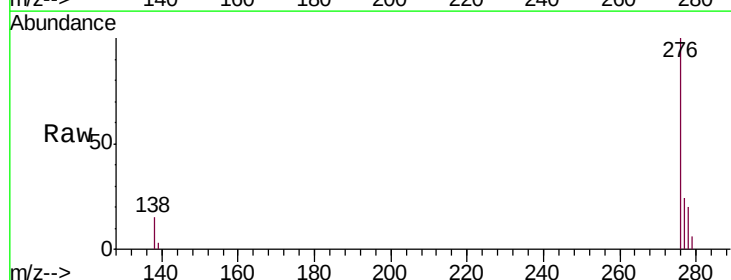
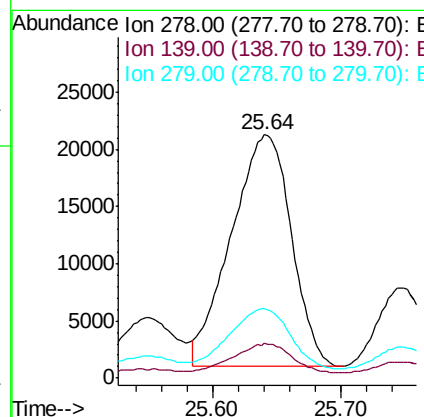
Manual Integrations
 APPROVED

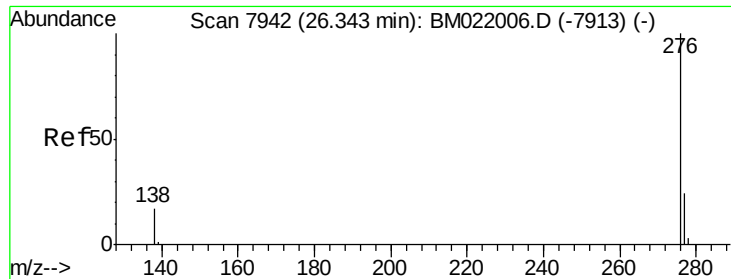
Sohil
 8/13/2019 8:34:22 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 4.026 ng/ul
 RT: 25.64 min Scan# 7653
 Delta R.T. -0.04 min
 Lab File: BM022009.D
 Acq: 10 Aug 2019 23:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	14.2	14.2	21.2
279	28.6	28.3	42.5





#26

Benzo(g,h,i)perylene

Concen: 14.807 ng/ul

RT: 26.32 min Scan# 7933

Delta R.T. -0.04 min

Lab File: BM022009.D

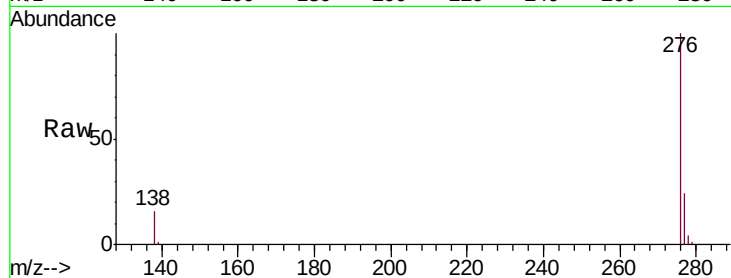
Acq: 10 Aug 2019 23:49

Instrument :

BNA_M

ClientSampleId :

BENY8



Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.5	23.3
277	24.3	21.4	32.2

Manual Integrations
APPROVED

Sohil
8/13/2019 8:34:22 AM

