

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM022014.D
 Acq On : 11 Aug 2019 02:56
 Operator : HP/JU
 Sample : K4116-11
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLE1

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 04:00:01 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	1064	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	4157	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.27	164	2172	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	5203m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5240m	0.40	ng/ul	-0.02
20) Perylene-d12	23.44	264	6403m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1305	0.19	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	3206m	0.18	ng/ul	-0.02
Target Compounds					Qvalue	
3) Naphthalene	10.44	128	1379	0.117	ng/ul	95
5) 2-Methylnaphthalene	12.07	142	256	0.033	ng/ul	90
7) Acenaphthylene	13.99	152	1154	0.114	ng/ul#	79
9) Fluorene	15.33	166	248	0.027	ng/ul#	89
12) Phenanthrene	17.06	178	1493m	0.099	ng/ul	
13) Anthracene	17.16	178	549m	0.043	ng/ul	
15) Fluoranthene	19.09	202	2289m	0.113	ng/ul	
17) Pyrene	19.45	202	5509m	0.256	ng/ul	
18) Benzo(a)anthracene	21.21	228	2570m	0.137	ng/ul	
19) Chrysene	21.26	228	5257m	0.218	ng/ul	
21) Benzo(b)fluoranthene	22.75	252	9378m	0.434	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	8023m	0.328	ng/ul	
23) Benzo(a)pyrene	23.34	252	6693m	0.305	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.67	276	3496m	0.133	ng/ul	
25) Dibenzo(a,h)anthracene	25.65	278	2141m	0.101	ng/ul	
26) Benzo(g,h,i)perylene	26.34	276	9114	0.386	ng/ul#	51

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

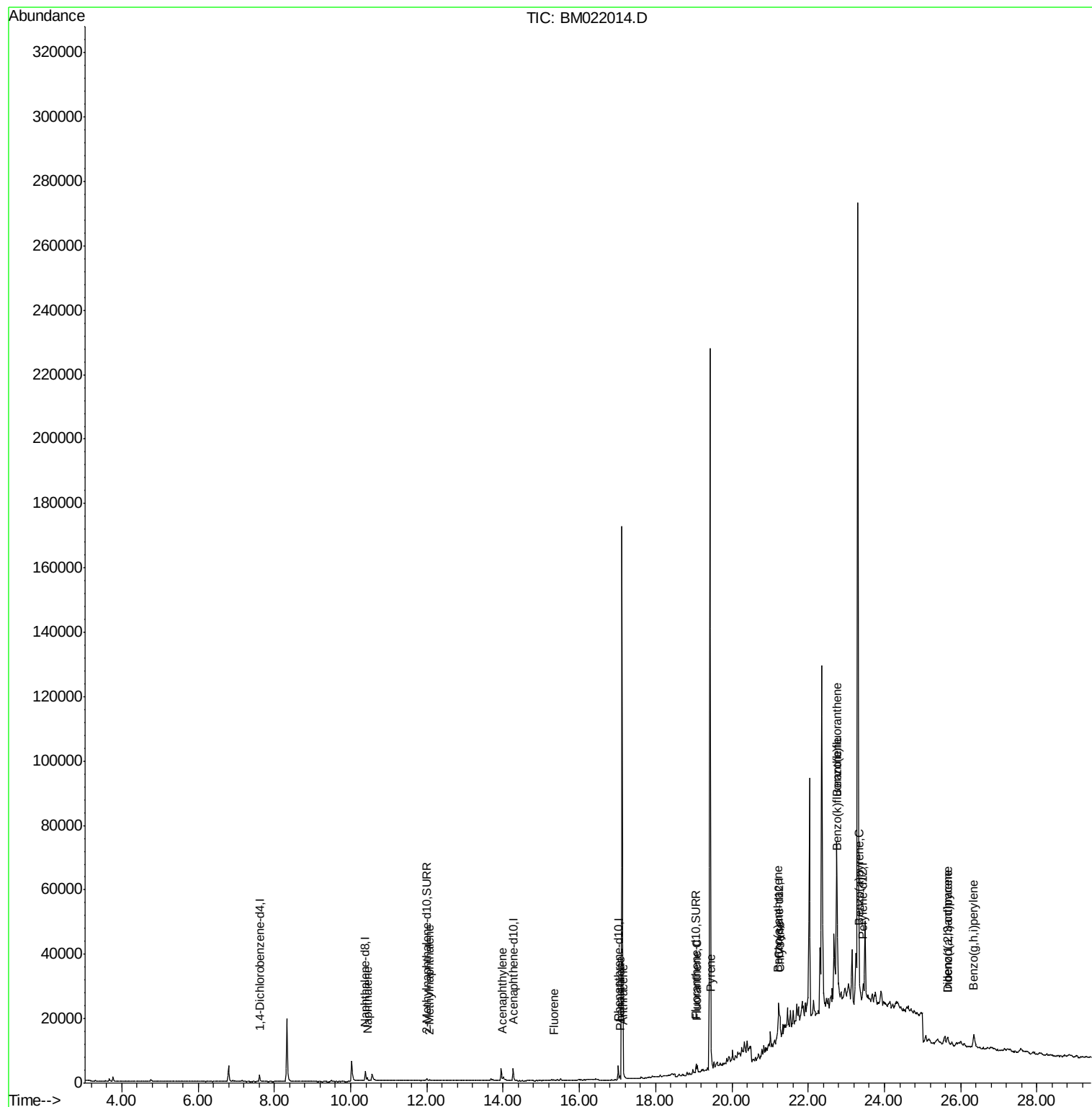
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM022014.D
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ALS Vial : 51 Sample Multiplier: 1

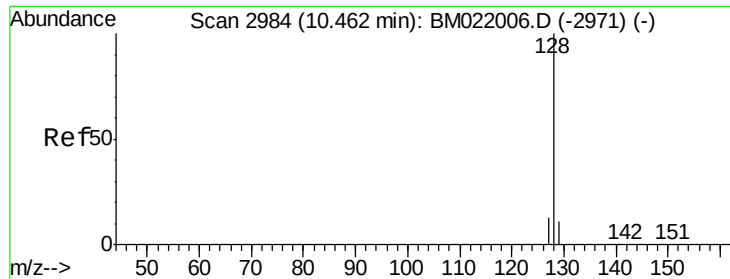
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 01:49:36 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.117 ng/ul

RT: 10.44 min Scan# 2979

Delta R.T. -0.03 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

Instrument :

BNA_M

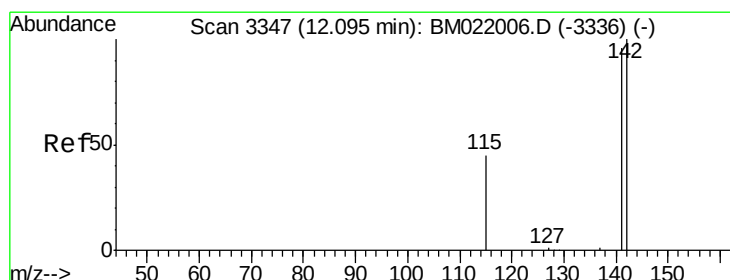
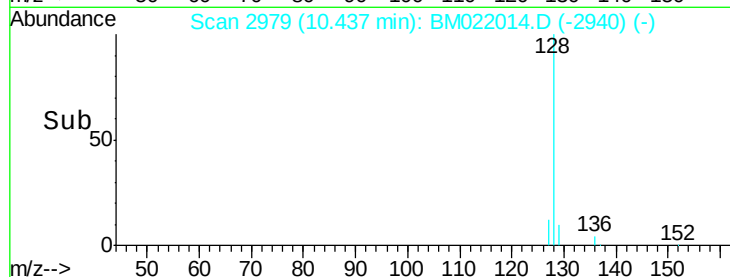
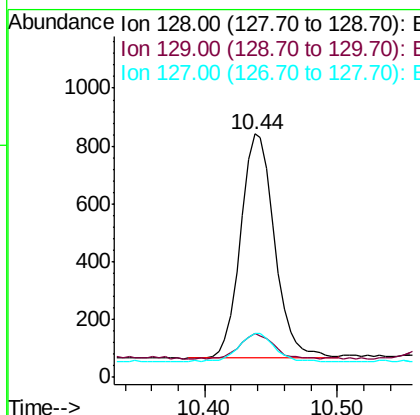
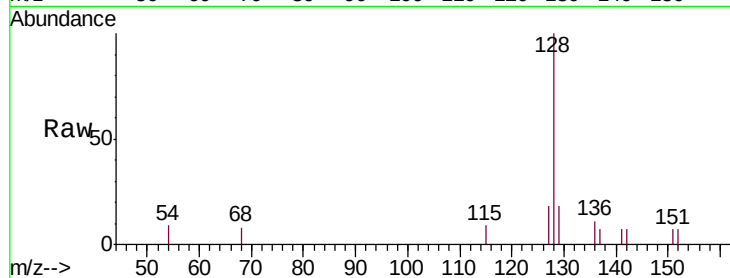
ClientSampled :

JLLE1

Tgt Ion:	128	Resp:	1379
Ion Ratio	Lower	Upper	
128	100		
129	17.8	12.3	18.5
127	18.1	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

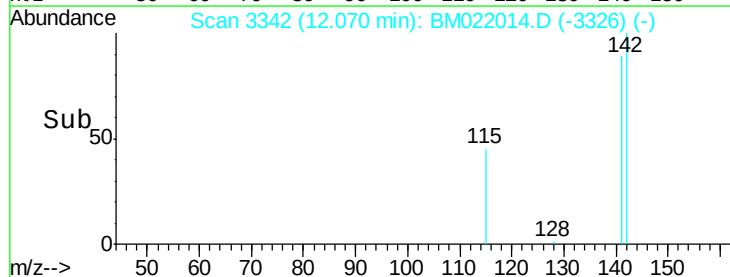
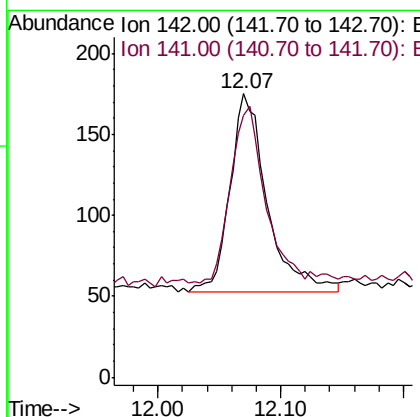
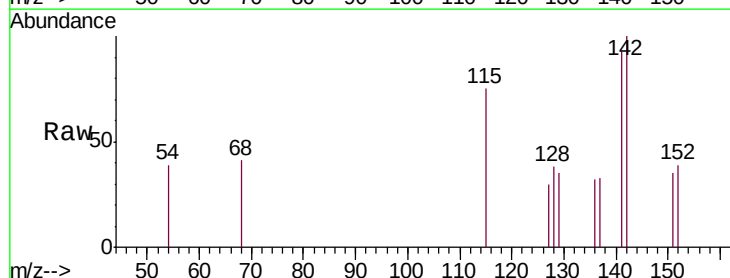
RT: 12.07 min Scan# 3342

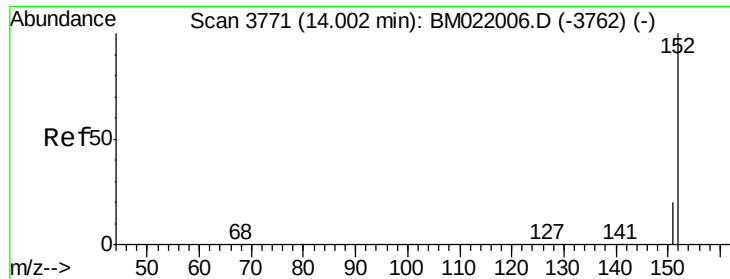
Delta R.T. -0.03 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

Tgt Ion:	142	Resp:	256
Ion Ratio	Lower	Upper	
142	100		
141	83.2	74.3	111.5





#7

Acenaphthylene

Concen: 0.114 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022014.D

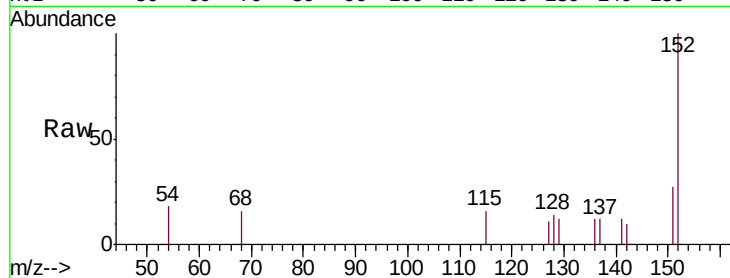
Acq: 11 Aug 2019 02:56

Instrument :

BNA_M

ClientSampleId :

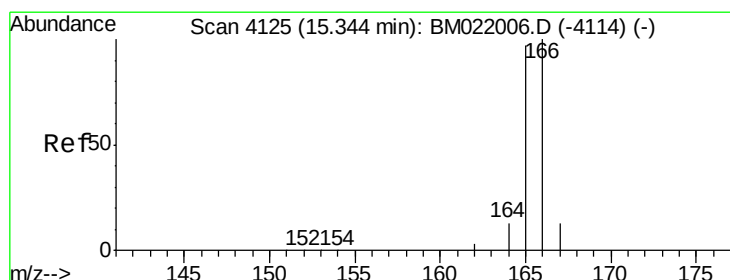
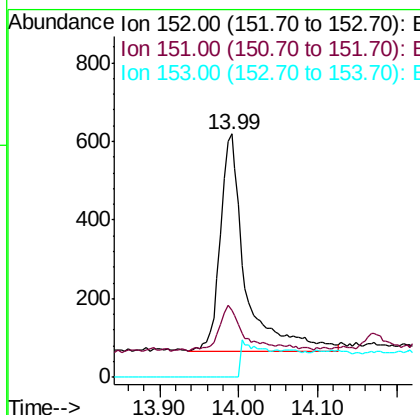
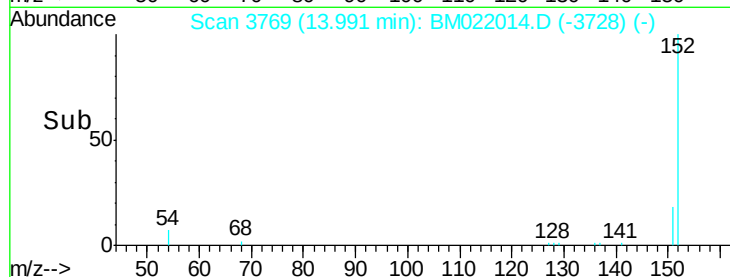
JLLE1



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

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#9

Fluorene

Concen: 0.027 ng/ul

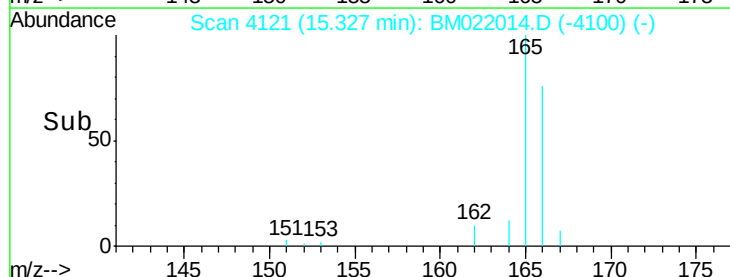
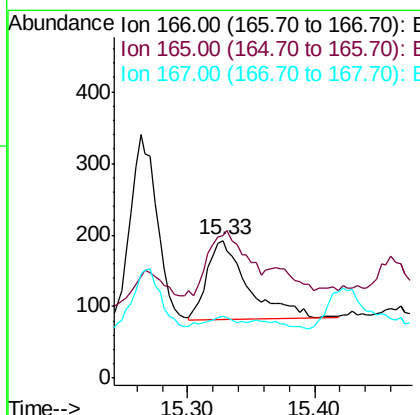
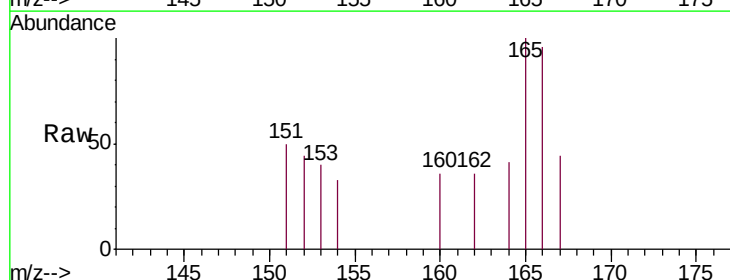
RT: 15.33 min Scan# 4121

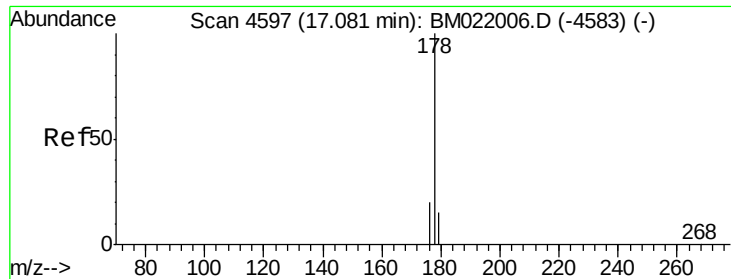
Delta R.T. -0.02 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.6	81.4	122.0
167	45.3	13.7	20.5





#12

Phenanthrene

Concen: 0.099 ng/ul m

RT: 17.06 min Scan# 4592

Delta R.T. -0.02 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

Instrument :

BNA_M

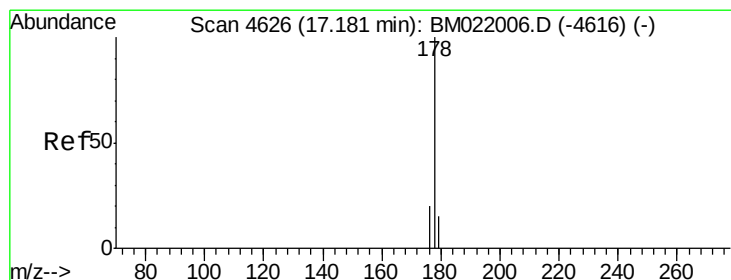
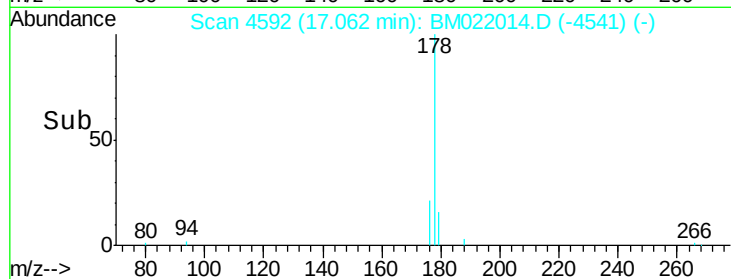
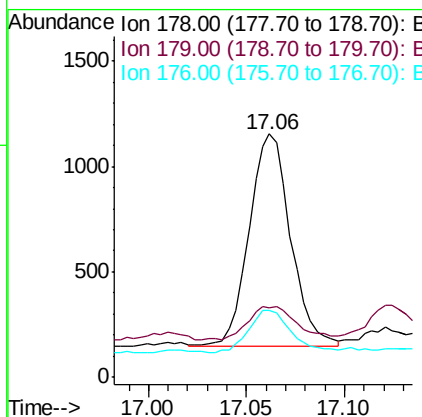
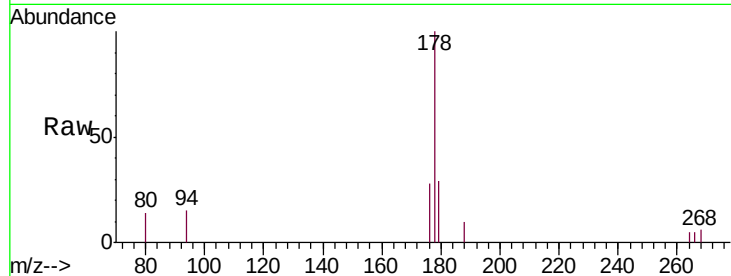
ClientSampleId :

JLLE1

Tgt Ion:	178	Resp:	1493
Ion Ratio	Lower	Upper	
178	100		
179	28.7	14.2	21.2#
176	27.6	16.8	25.2#

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#13

Anthracene

Concen: 0.043 ng/ul m

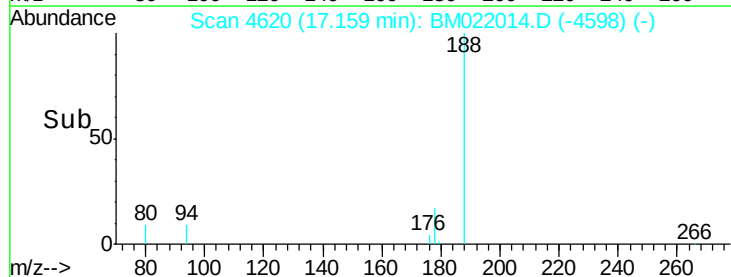
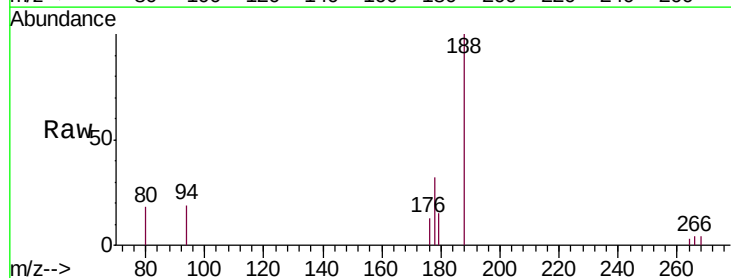
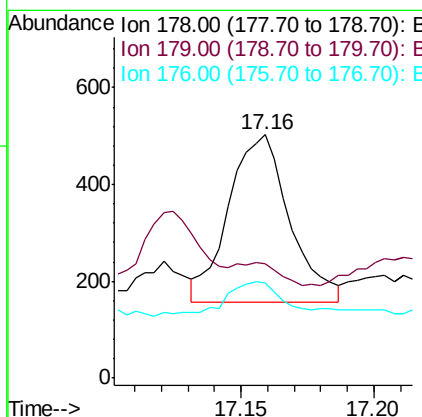
RT: 17.16 min Scan# 4620

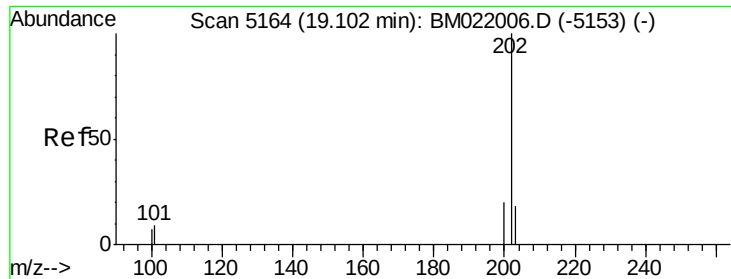
Delta R.T. -0.02 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

Tgt Ion:	178	Resp:	549
Ion Ratio	Lower	Upper	
178	100		
179	46.7	15.5	23.3#
176	39.2	16.6	25.0#





#15

Fluoranthene

Concen: 0.113 ng/ul m

RT: 19.09 min Scan# 5161

Delta R.T. -0.02 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

Instrument :

BNA_M

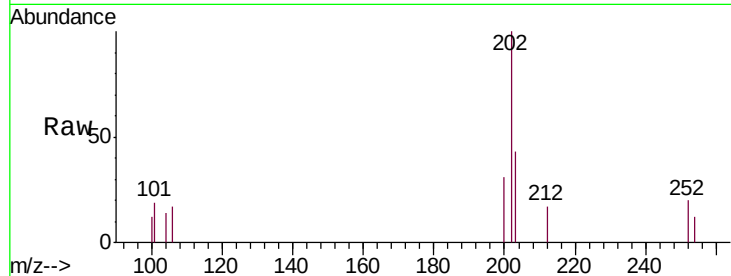
ClientSampled :

JLLE1

Tgt Ion:	202	Resp:	2289
Ion Ratio	Lower	Upper	
202	100		
101	19.1	0.0	30.2
100	12.1	0.0	28.1

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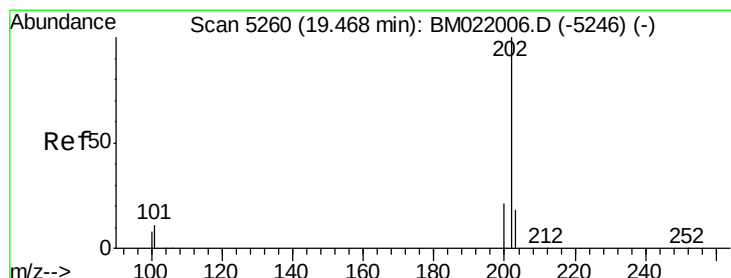
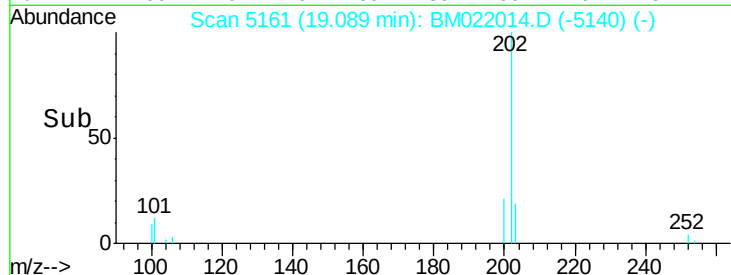
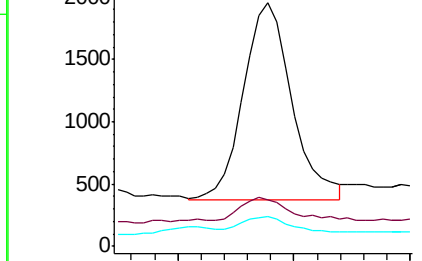
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.256 ng/ul m

RT: 19.45 min Scan# 5257

Delta R.T. -0.02 min

Lab File: BM022014.D

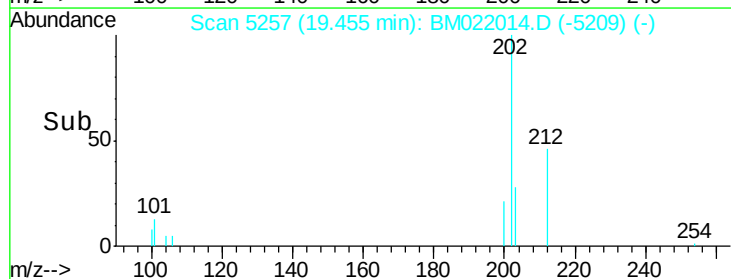
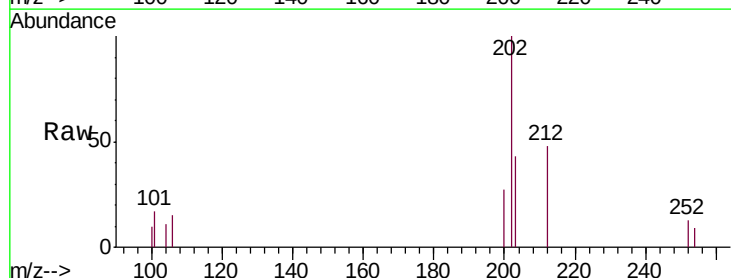
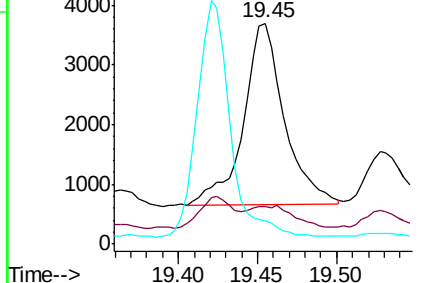
Acq: 11 Aug 2019 02:56

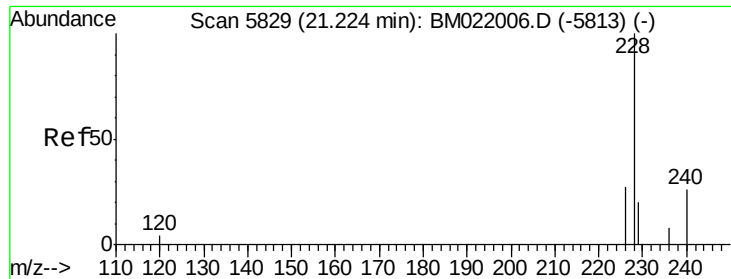
Tgt Ion:	202	Resp:	5509
Ion Ratio	Lower	Upper	
202	100		
101	17.2	8.3	12.5#
100	10.4	7.2	10.8

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





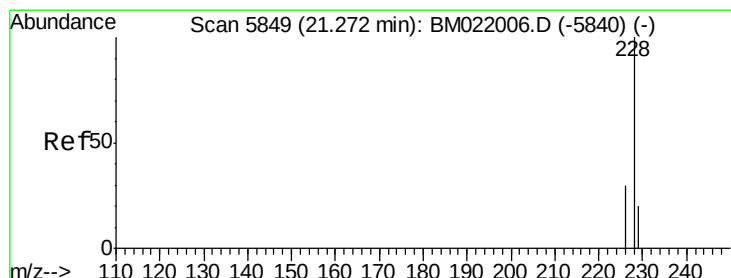
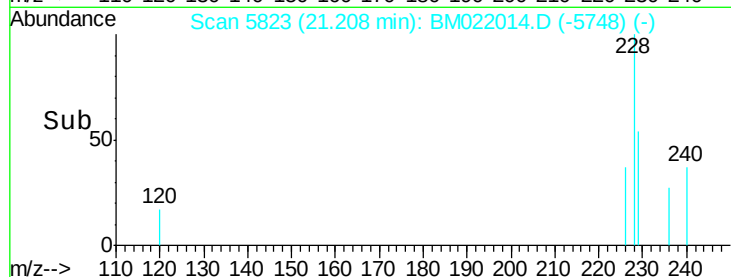
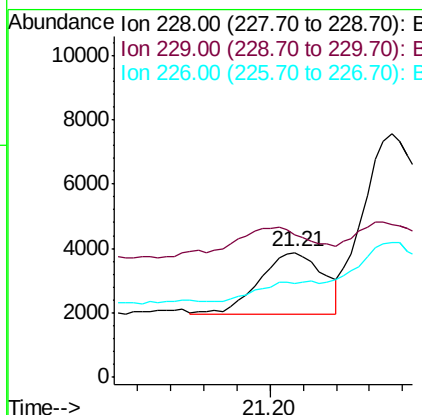
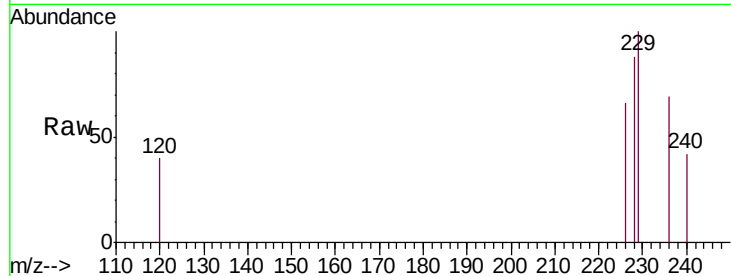
#18
Benzo(a)anthracene
Concen: 0.137 ng/ul m
RT: 21.21 min Scan# 5823
Delta R.T. -0.02 min
Lab File: BM022014.D
Acq: 11 Aug 2019 02:56

Instrument :
BNA_M
ClientSampled :
JLLE1

Tgt Ion:228 Resp: 2570
Ion Ratio Lower Upper
228 100
229 113.7 17.2 25.8#
226 75.5 22.6 34.0#

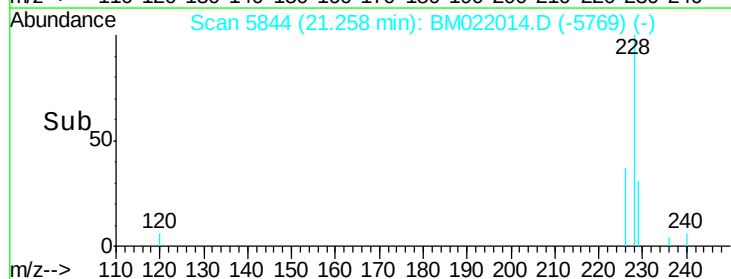
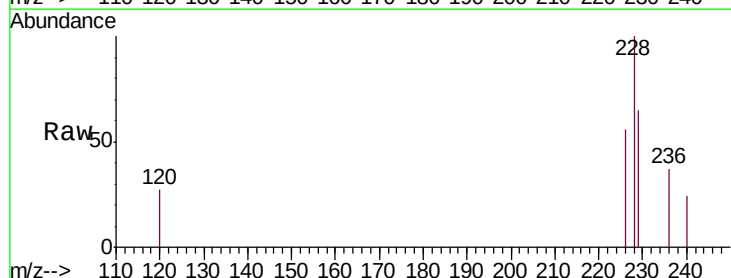
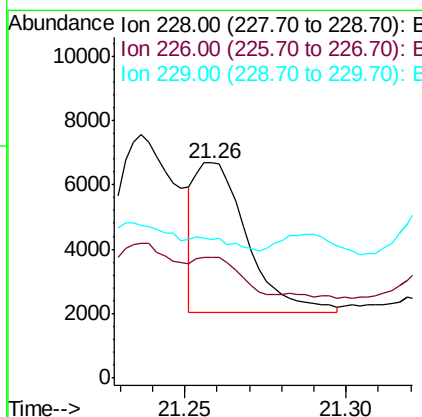
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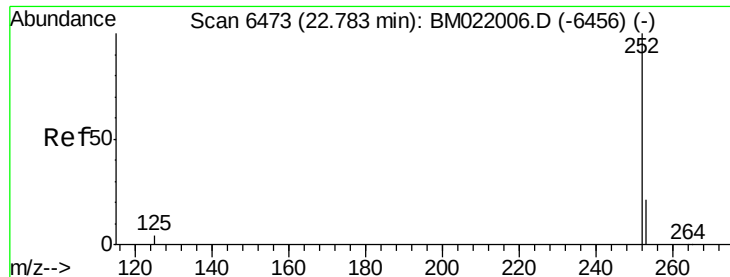
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#19
Chrysene
Concen: 0.218 ng/ul m
RT: 21.26 min Scan# 5844
Delta R.T. -0.02 min
Lab File: BM022014.D
Acq: 11 Aug 2019 02:56

Tgt Ion:228 Resp: 5257
Ion Ratio Lower Upper
228 100
226 56.4 24.9 37.3#
229 64.7 16.6 25.0#





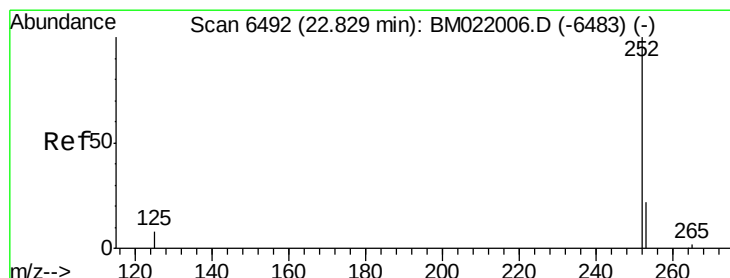
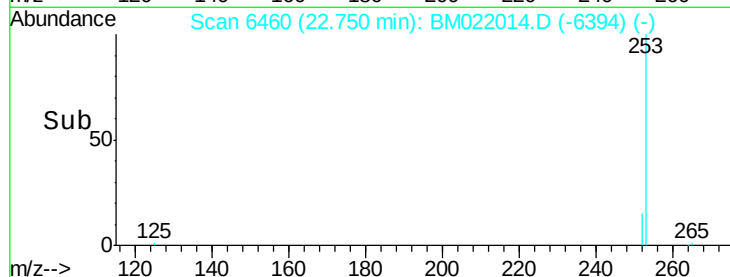
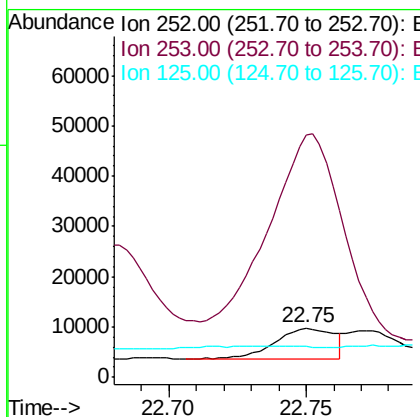
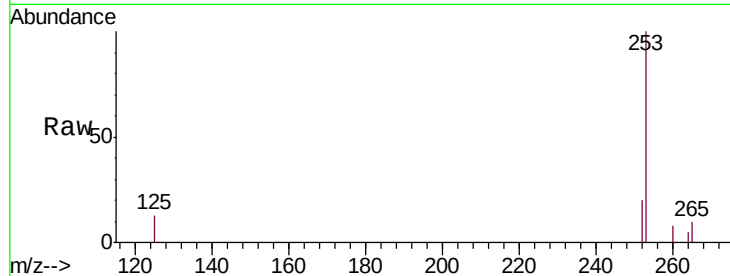
#21
Benzo(b)fluoranthene
Concen: 0.434 ng/ul m
RT: 22.75 min Scan# 6460
Delta R.T. -0.04 min
Lab File: BM022014.D
Acq: 11 Aug 2019 02:56

Instrument :
BNA_M
ClientSampleId :
JLLE1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	494.2	0.0	67.4#
125	62.7	0.0	31.0#

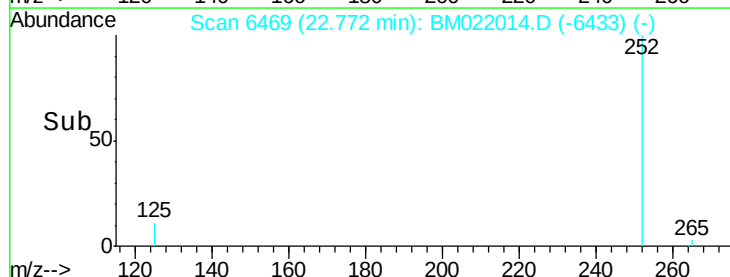
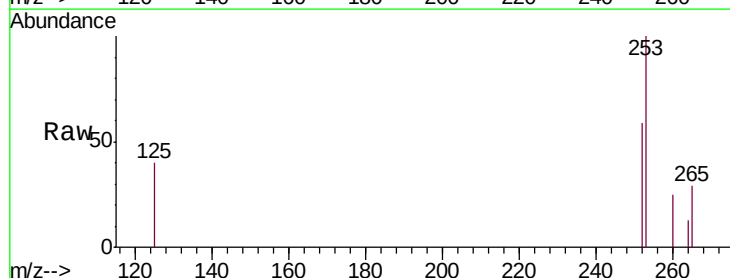
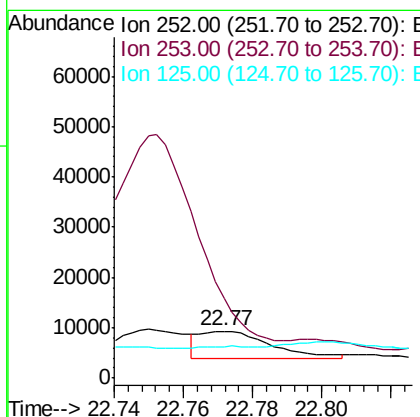
Manual Integrations
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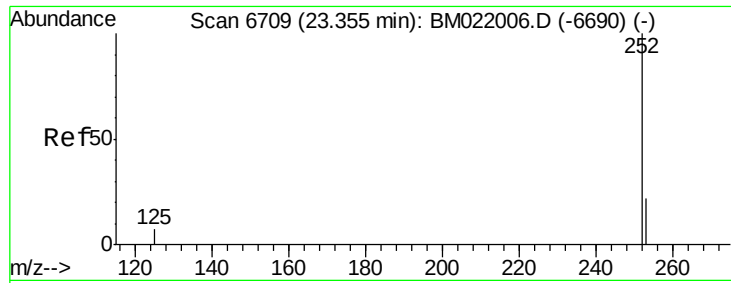
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#22
Benzo(k)fluoranthene
Concen: 0.328 ng/ul m
RT: 22.77 min Scan# 6469
Delta R.T. -0.06 min
Lab File: BM022014.D
Acq: 11 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	168.3	27.0	40.4#
125	66.9	12.2	18.2#





#23

Benzo(a)pyrene

Concen: 0.305 ng/ul m

RT: 23.34 min Scan# 6705

Delta R.T. -0.02 min

Lab File: BM022014.D

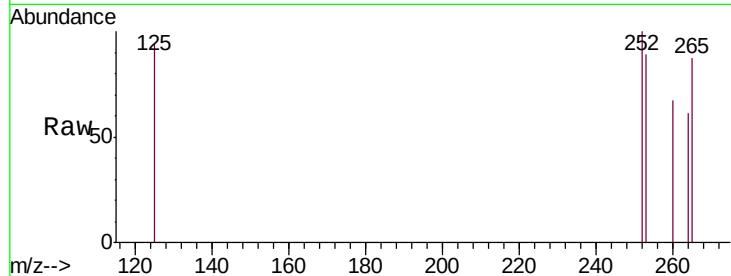
Acq: 11 Aug 2019 02:56

Instrument :

BNA_M

ClientSampleId :

JLLE1



Tgt Ion: 252 Resp: 6693

Ion Ratio Lower Upper

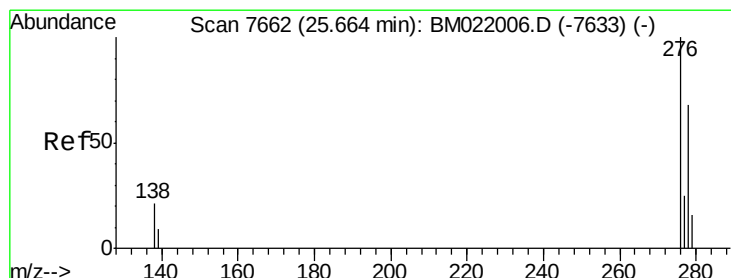
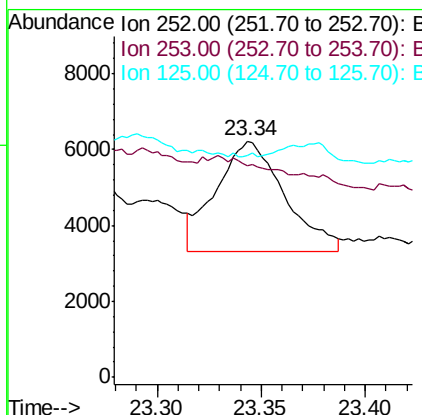
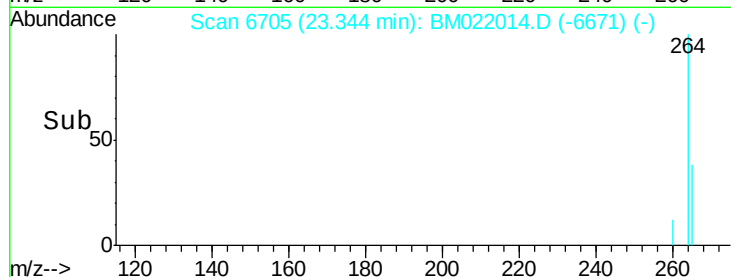
252 100

253 89.2 31.7 47.5#

125 93.8 14.6 21.8#

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.133 ng/ul m

RT: 25.67 min Scan# 7664

Delta R.T. -0.01 min

Lab File: BM022014.D

Acq: 11 Aug 2019 02:56

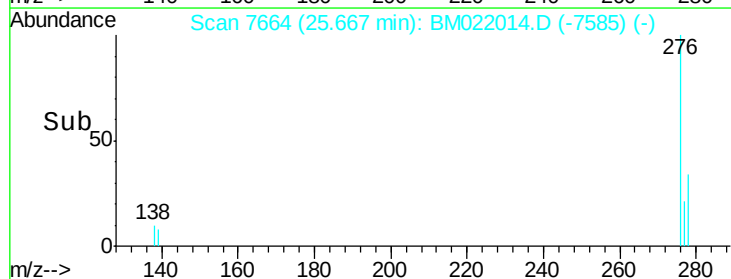
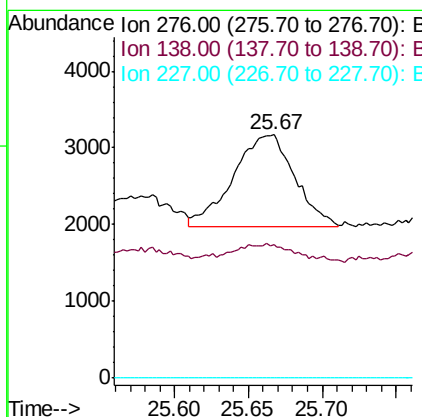
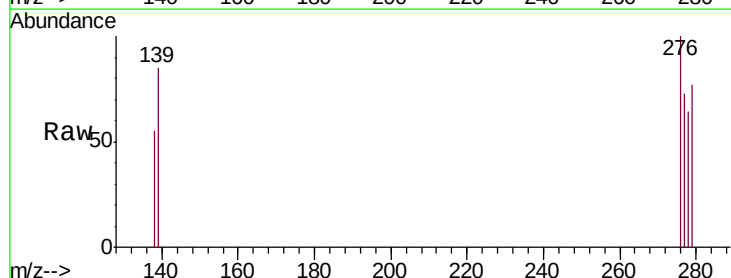
Tgt Ion: 276 Resp: 3496

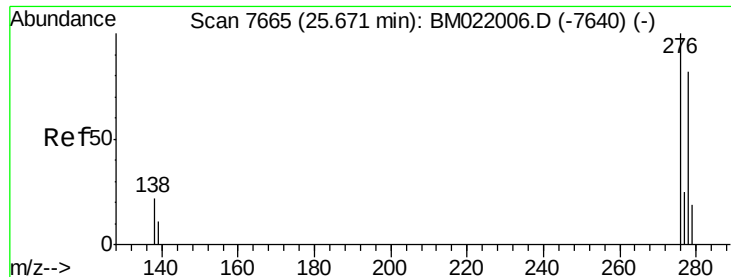
Ion Ratio Lower Upper

276 100

138 12.6 15.1 22.7#

227 0.0 0.0 0.0





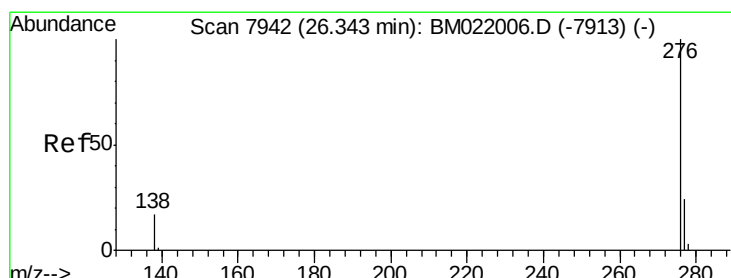
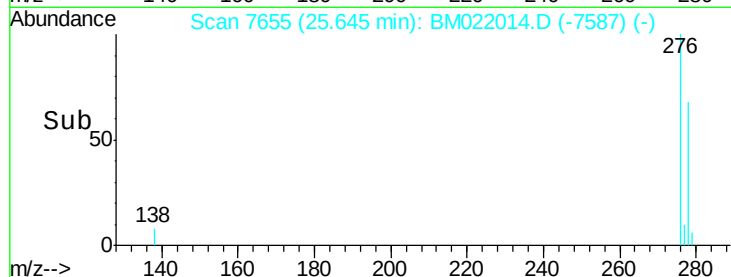
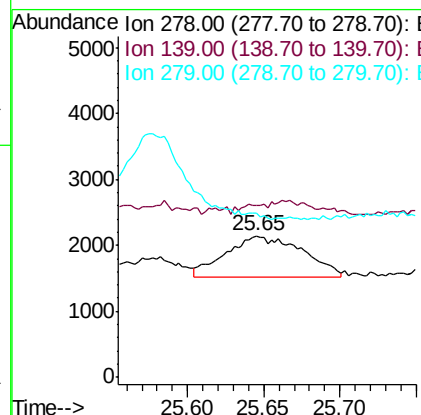
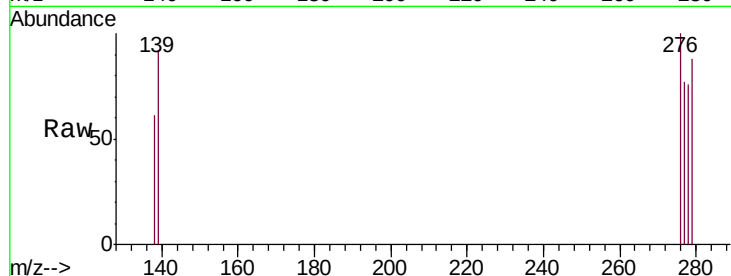
#25
Dibenzo(a,h)anthracene
Concen: 0.101 ng/ul m
RT: 25.65 min Scan# 7655
Delta R.T. -0.04 min
Lab File: BM022014.D
Acq: 11 Aug 2019 02:56

Instrument :
BNA_M
ClientSampled :
JLLE1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	121.3	14.2	21.2#
279	116.5	28.3	42.5#

Manual Integrations
APPROVED

Sohil
8/13/2019 8:34:25 AM



#26
Benzo(g,h,i)perylene
Concen: 0.386 ng/ul
RT: 26.34 min Scan# 7943
Delta R.T. -0.01 min
Lab File: BM022014.D
Acq: 11 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	38.8	15.5	23.3#
277	54.5	21.4	32.2#

