

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
 Data File : BM021887.D
 Acq On : 07 Aug 2019 09:16
 Operator : HP/JU
 Sample : K3893-06MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP11MS

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Quant Time: Aug 07 11:54:08 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 07 08:28:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1035	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4681	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	2796	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	6576	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	6825	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	9147m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1953	0.25	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	5104	0.23	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	3573	0.270	ng/ul	96
5) 2-Methylnaphthalene	12.08	142	1967	0.223	ng/ul	96
7) Acenaphthylene	14.00	152	11154	0.855	ng/ul#	83
8) Acenaphthene	14.34	153	9968	0.934	ng/ul	96
9) Fluorene	15.33	166	8697	0.734	ng/ul	98
11) Pentachlorophenol	16.69	266	198	0.163	ng/ul	94
12) Phenanthrene	17.08	178	206654	10.800	ng/ul	96
13) Anthracene	17.17	178	37648	2.307	ng/ul	95
15) Fluoranthene	19.10	202	646691	25.231	ng/ul	94
17) Pyrene	19.47	202	571371	20.373	ng/ul	97
18) Benzo(a)anthracene	21.22	228	309654	12.684	ng/ul	99
19) Chrysene	21.27	228	364334	11.604	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	555610m	18.013	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	186382m	5.339	ng/ul	
23) Benzo(a)pyrene	23.36	252	338222	10.782	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	263891	7.046	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.67	278	64598	2.134	ng/ul	90
26) Benzo(a,h,i)perylene	26.35	276	219640	6.514	ng/ul#	94

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

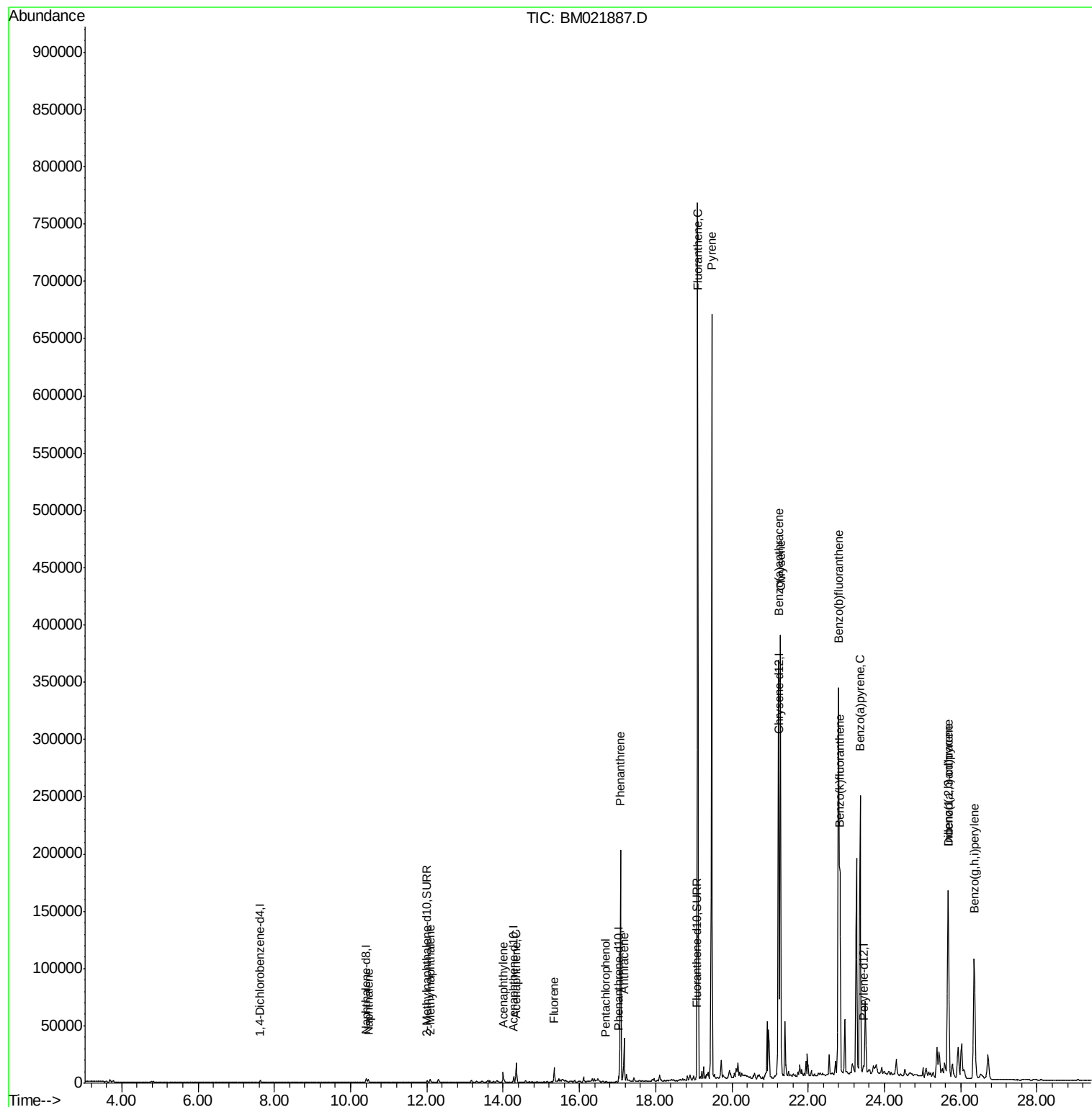
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
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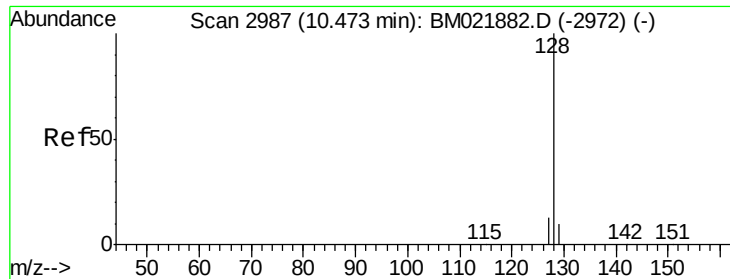
Instrument :
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#3

Naphthalene

Concen: 0.270 ng/ul

RT: 10.46 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Instrument :

BNA_M

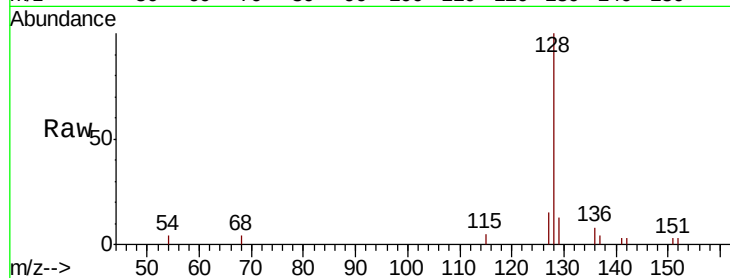
ClientSampleID :

BEP11MS

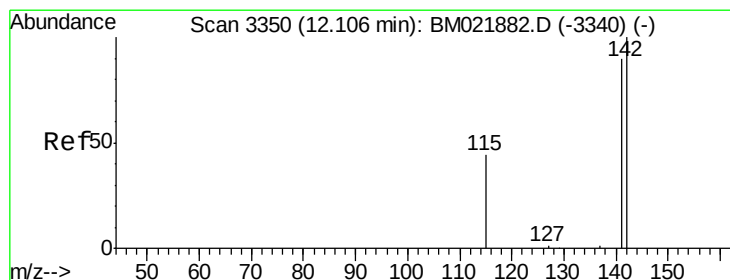
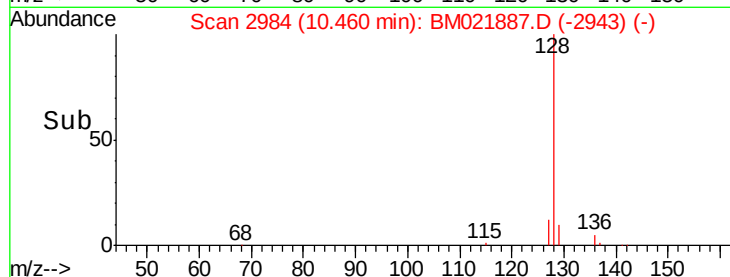
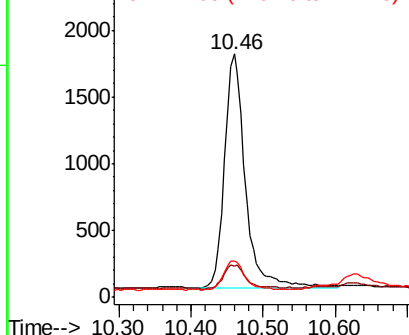
Tot Ion:	128	Resp:	3573
Ion	Ratio	Lower	Upper
128	100		
129	13.0	12.3	18.5
127	15.0	13.0	19.6

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.223 ng/ul

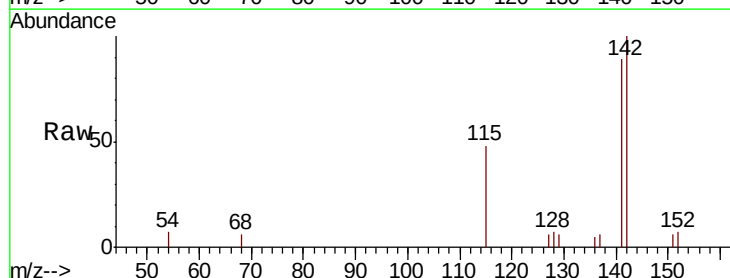
RT: 12.08 min Scan# 3345

Delta R.T. -0.02 min

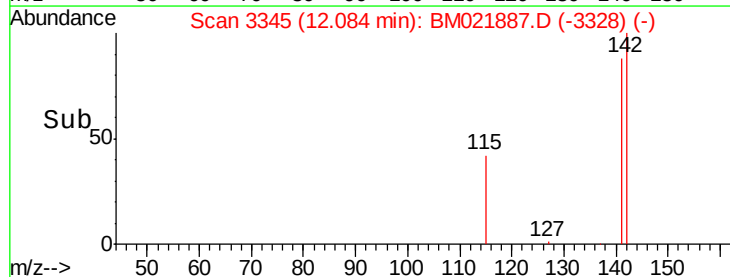
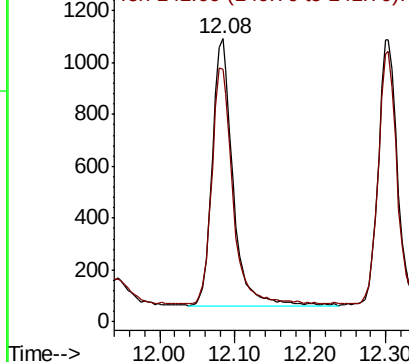
Lab File: BM021887.D

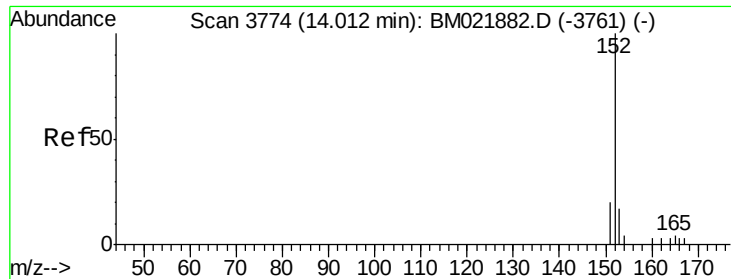
Acq: 07 Aug 2019 09:16

Tgt Ion:	142	Resp:	1967
Ion	Ratio	Lower	Upper
142	100		
141	89.0	74.3	111.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.855 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Instrument :

BNA_M

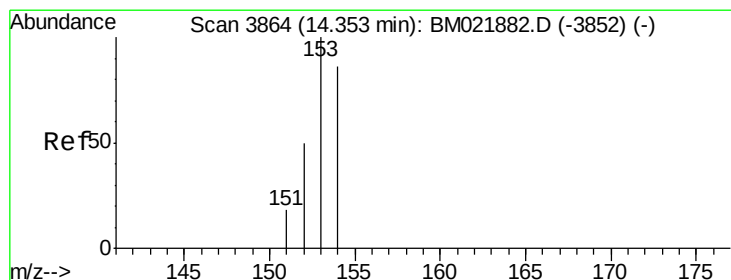
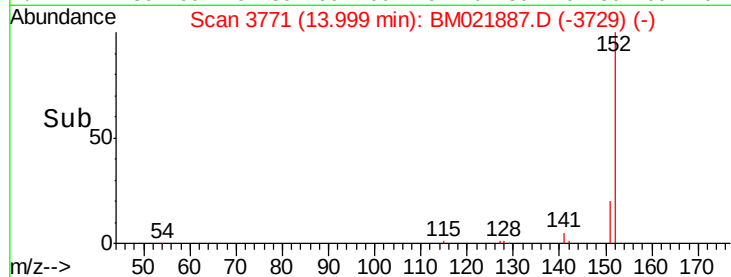
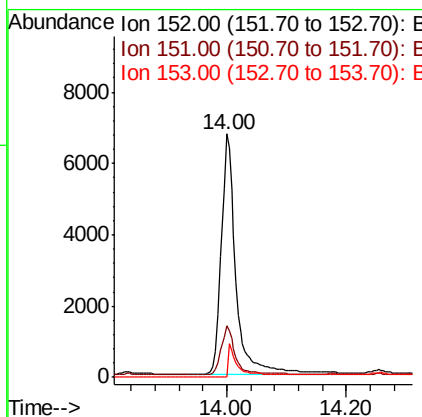
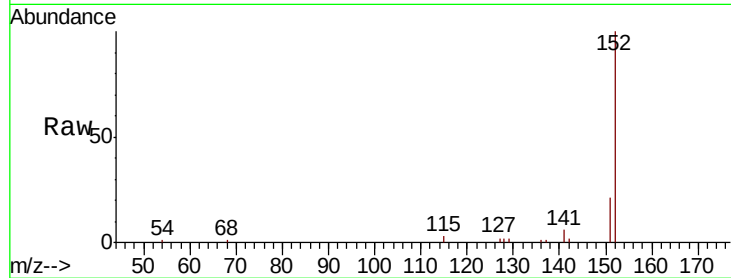
ClientSampleId :

BEP11MS

Tot Ion:	152	Resp:	11154
Ion Ratio	Lower	Upper	
152	100		
151	21.3	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.934 ng/ul

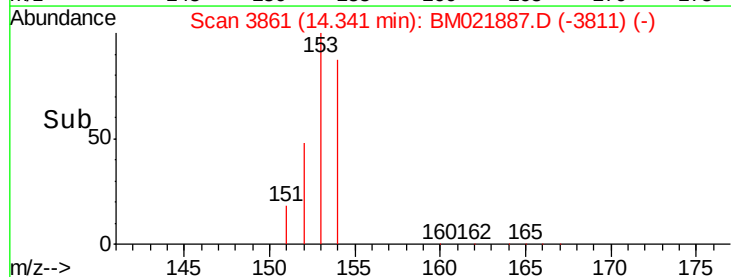
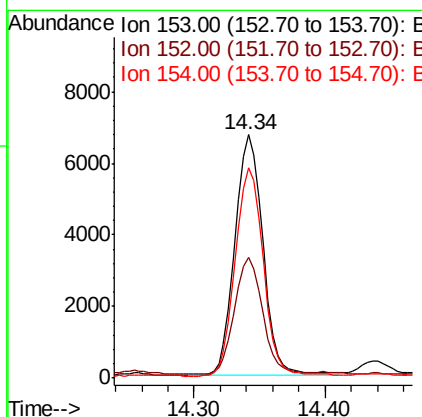
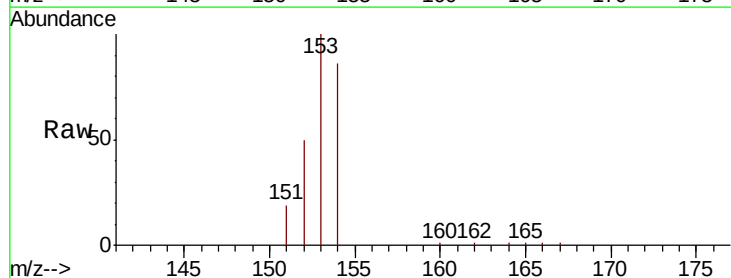
RT: 14.34 min Scan# 3861

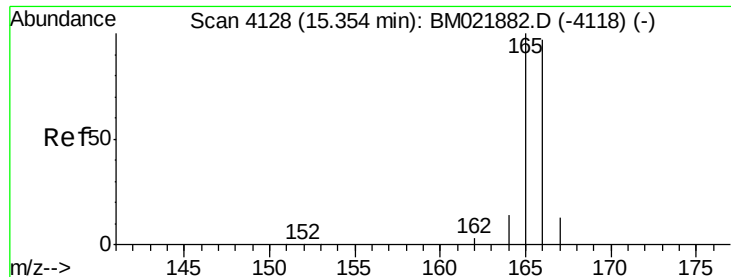
Delta R.T. -0.01 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Tgt Ion:	153	Resp:	9968
Ion Ratio	Lower	Upper	
153	100		
152	49.7	41.3	61.9
154	86.4	72.3	108.5





#9

Fluorene

Concen: 0.734 ng/ul

RT: 15.33 min Scan# 4123

Delta R.T. -0.02 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Instrument :

BNA_M

ClientSampleId :

BEP11MS

Tot Ion:166 Resp: 8697

Ion Ratio Lower Upper

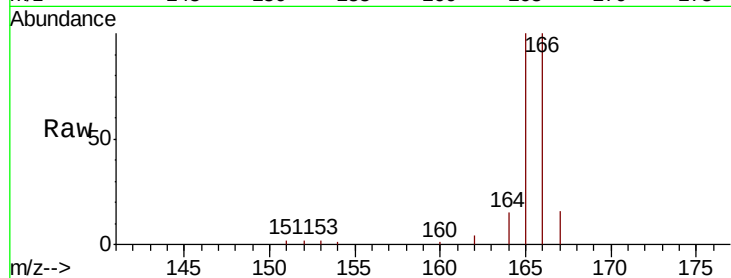
166 100

165 100.0 81.4 122.0

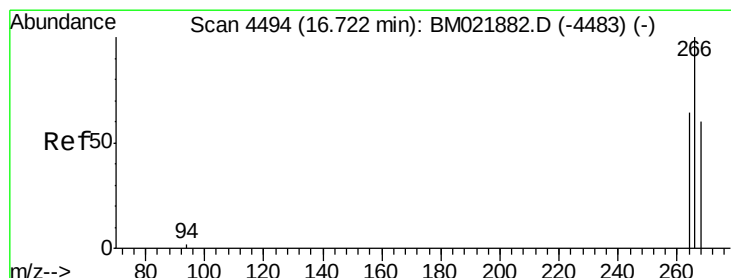
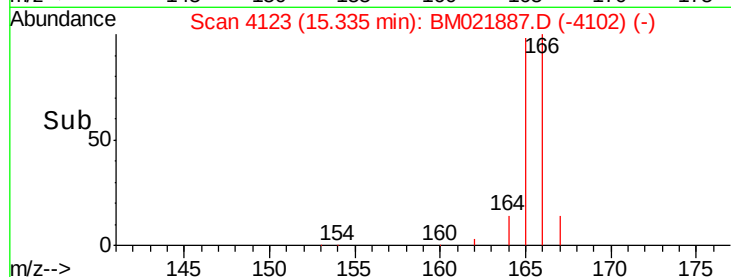
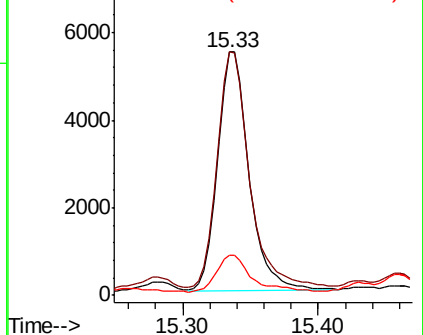
167 16.3 13.7 20.5

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.163 ng/ul

RT: 16.69 min Scan# 4486

Delta R.T. -0.03 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

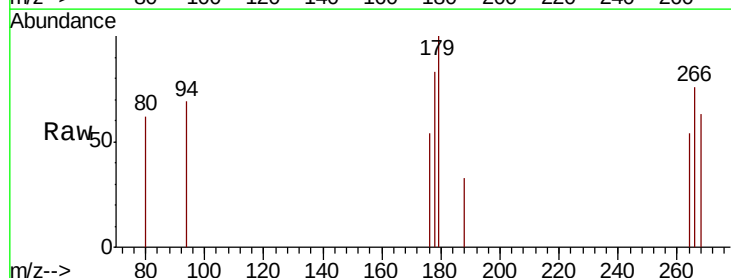
Tgt Ion:266 Resp: 198

Ion Ratio Lower Upper

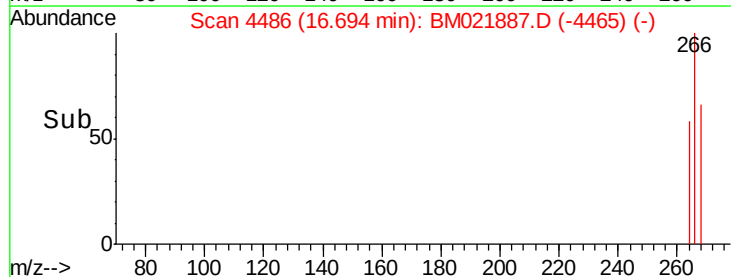
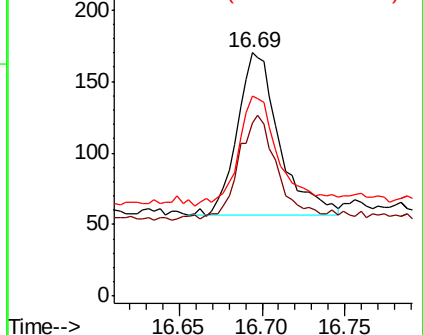
266 100

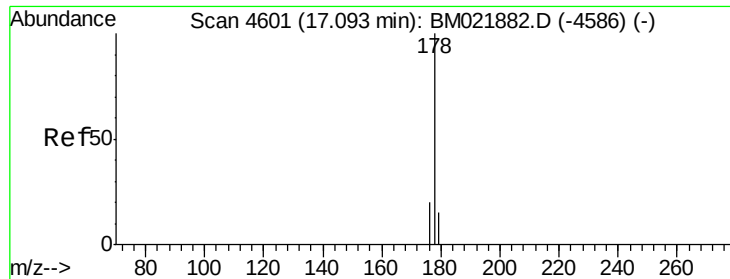
264 62.6 54.2 81.2

268 67.7 57.6 86.4



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 10.800 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.02 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Instrument :

BNA_M

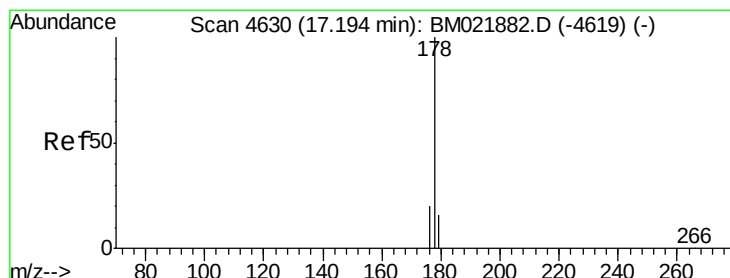
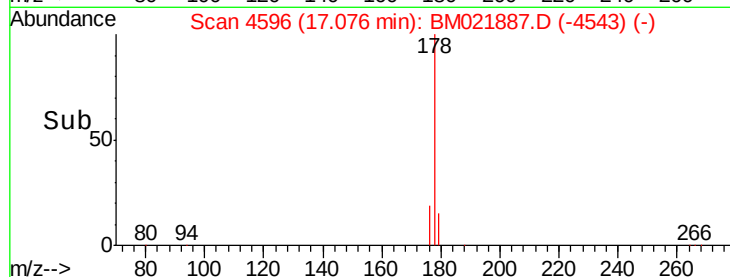
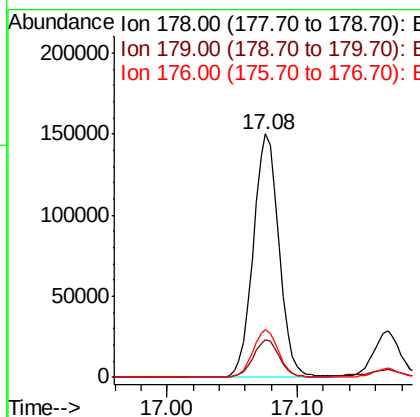
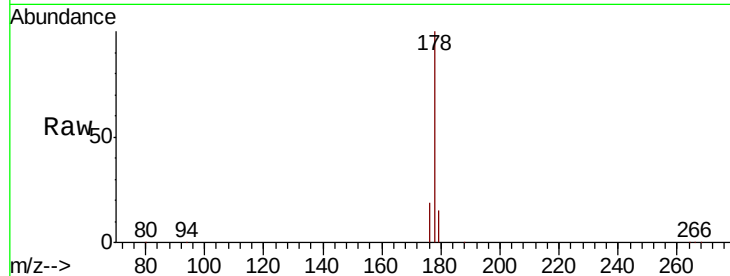
ClientSampleId :

BEP11MS

Tot Ion:178	Resp:	206654
Ion Ratio	Lower	Upper
178 100		
179 15.5	14.2	21.2
176 19.5	16.8	25.2

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#13

Anthracene

Concen: 2.307 ng/ul

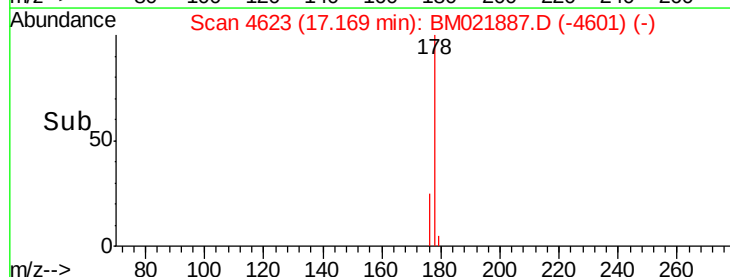
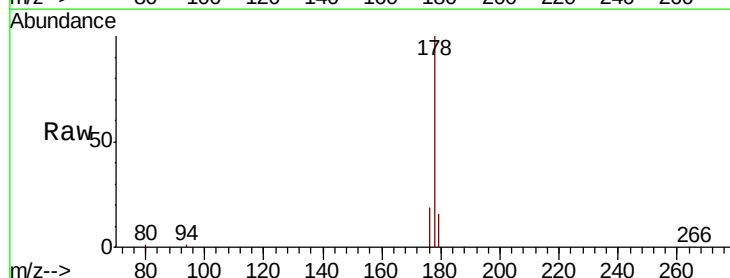
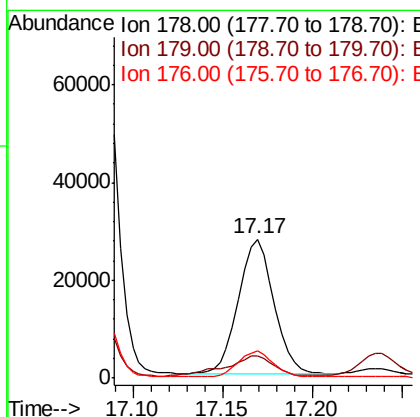
RT: 17.17 min Scan# 4623

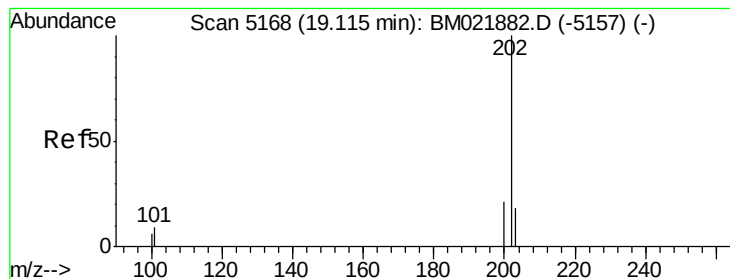
Delta R.T. -0.02 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Tgt Ion:178	Resp:	37648
Ion Ratio	Lower	Upper
178 100		
179 16.3	15.5	23.3
176 19.2	16.6	25.0





#15

Fluoranthene

Concen: 25.231 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.02 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Instrument :

BNA_M

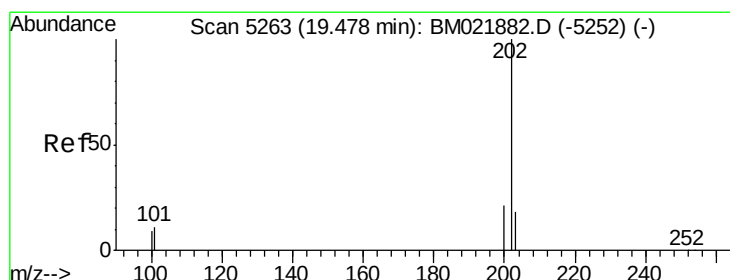
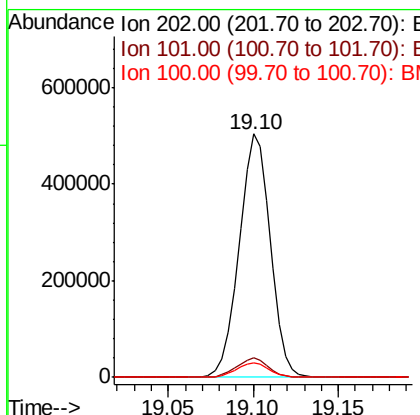
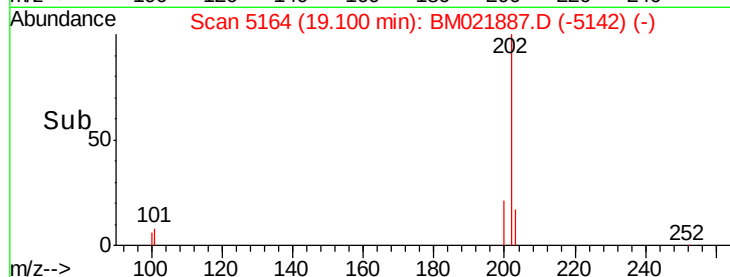
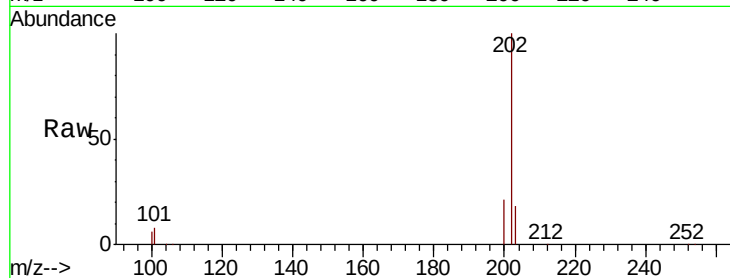
ClientSampleId :

BEP11MS

Tot Ion:	202	Resp:	646691
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	30.2
100	6.2	0.0	28.1

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#17

Pyrene

Concen: 20.373 ng/ul

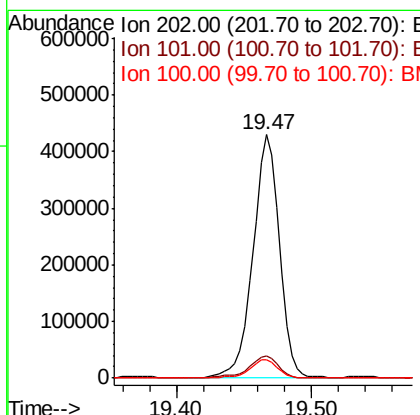
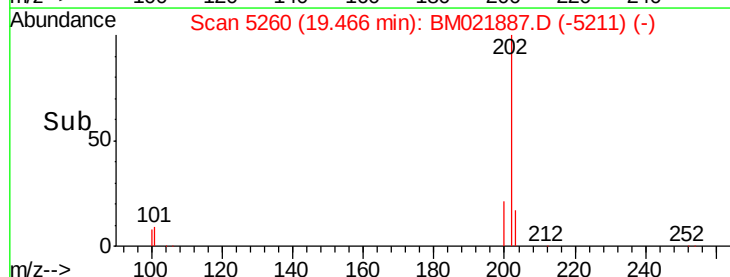
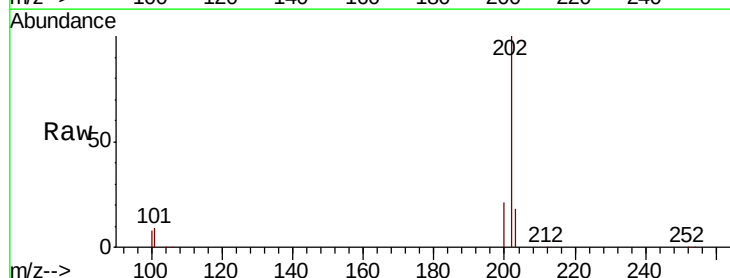
RT: 19.47 min Scan# 5260

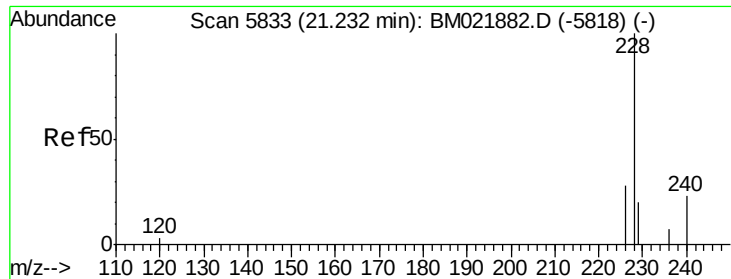
Delta R.T. -0.01 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Tgt Ion:	202	Resp:	571371
Ion Ratio	Lower	Upper	
202	100		
101	9.2	8.3	12.5
100	7.6	7.2	10.8





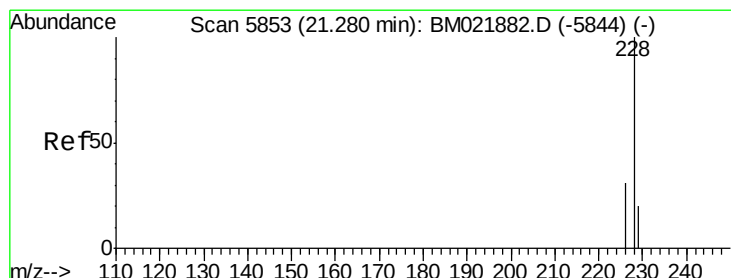
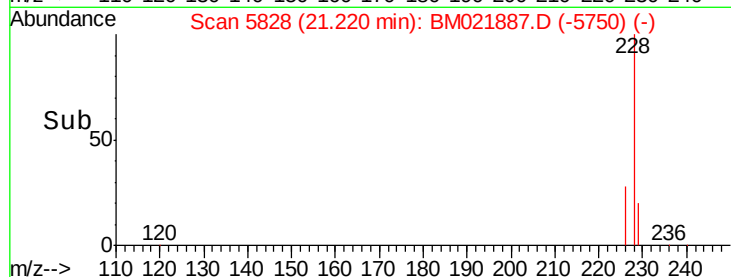
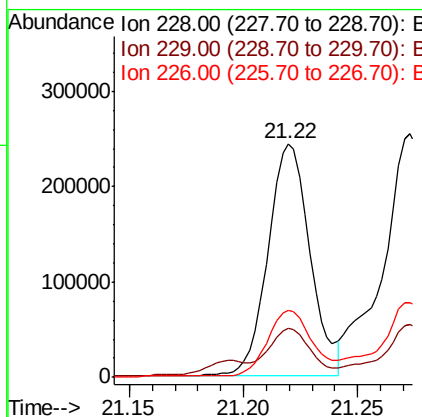
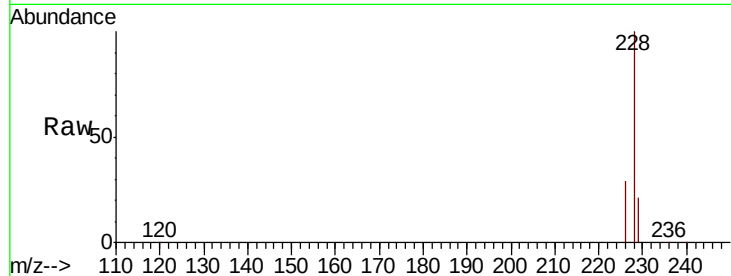
#18
Benzo(a)anthracene
Concen: 12.684 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021887.D
Acq: 07 Aug 2019 09:16

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	17.2	25.8
226	28.7	22.6	34.0

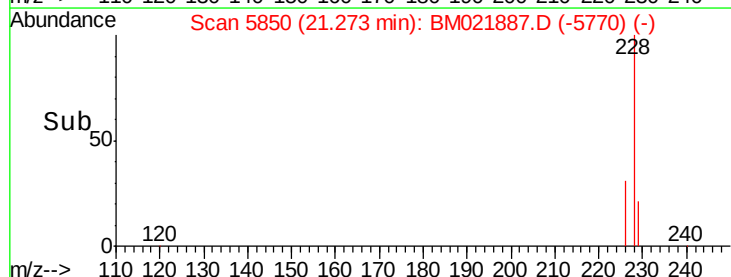
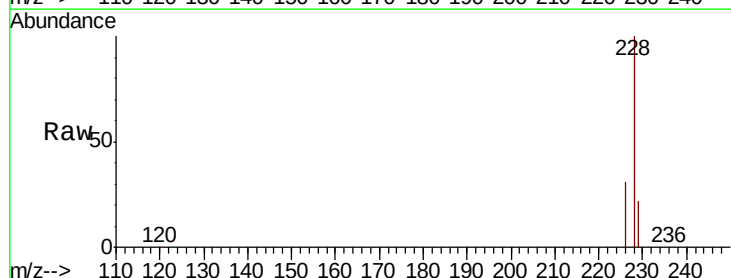
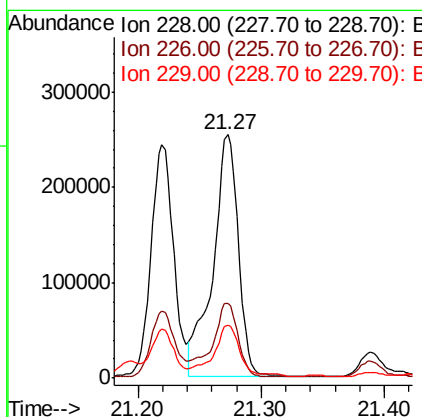
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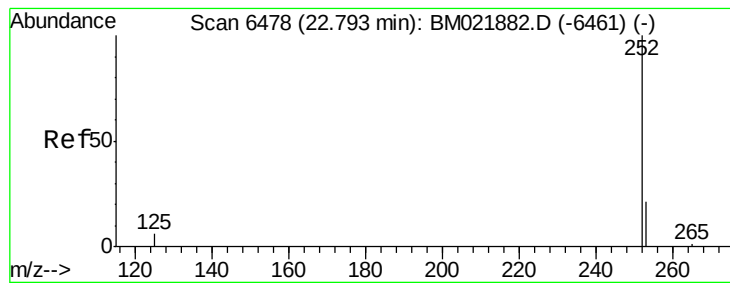
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#19
Chrysene
Concen: 11.604 ng/ul
RT: 21.27 min Scan# 5850
Delta R.T. -0.01 min
Lab File: BM021887.D
Acq: 07 Aug 2019 09:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	21.5	16.6	25.0





#21

Benzo(b)fluoranthene

Concen: 18.013 ng/ul m

RT: 22.79 min Scan# 6477

Delta R.T. -0.00 min

Lab File: BM021887.D

Acq: 07 Aug 2019 09:16

Instrument :

BNA_M

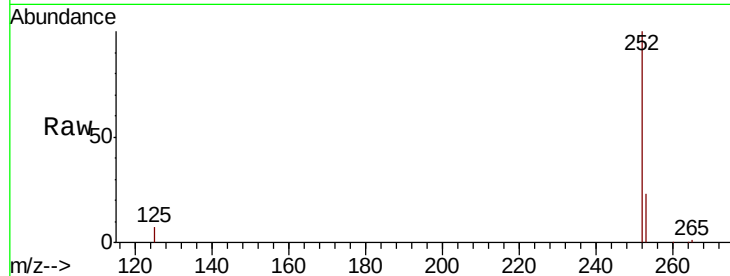
ClientSampleId :

BEP11MS

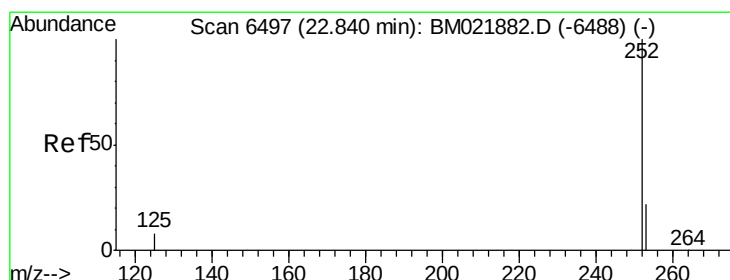
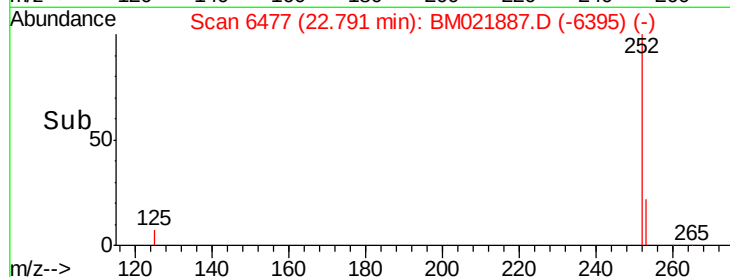
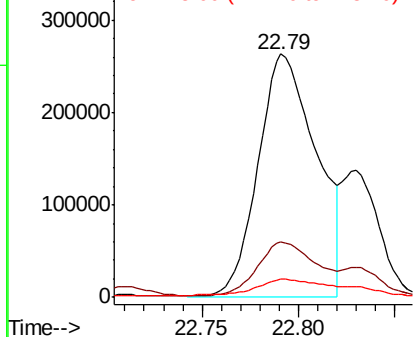
Tot Ion:	252	Resp:	555610
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	67.4
125	7.3	0.0	31.0

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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



#22

Benzo(k)fluoranthene

Concen: 5.339 ng/ul m

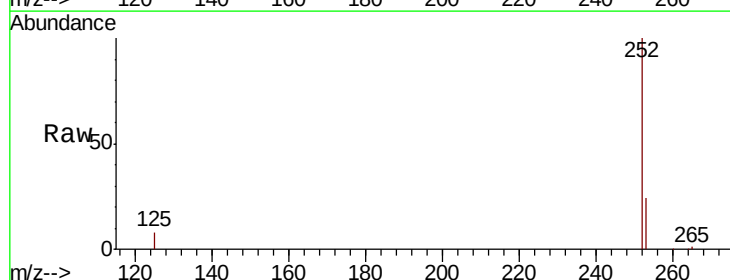
RT: 22.83 min Scan# 6493

Delta R.T. -0.01 min

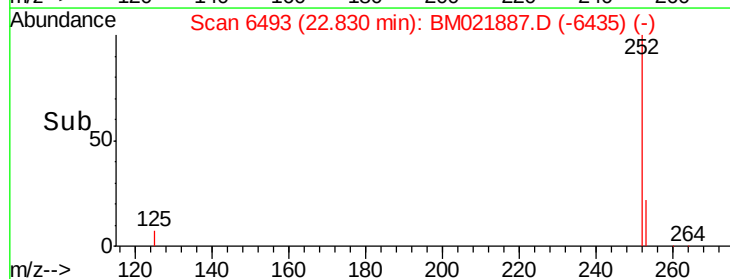
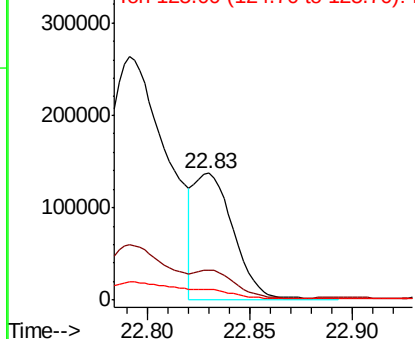
Lab File: BM021887.D

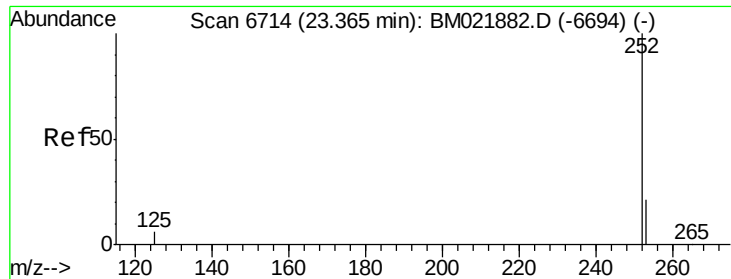
Acq: 07 Aug 2019 09:16

Tgt Ion:	252	Resp:	186382
Ion Ratio	Lower	Upper	
252	100		
253	23.9	27.0	40.4#
125	8.3	12.2	18.2#



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





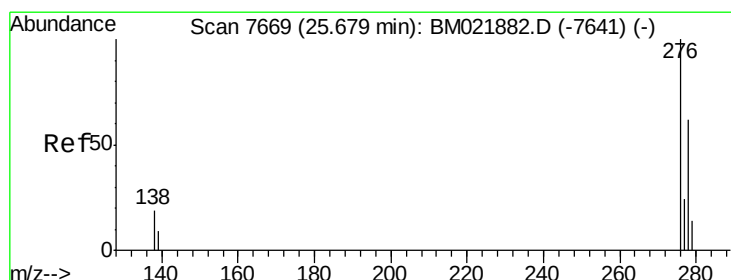
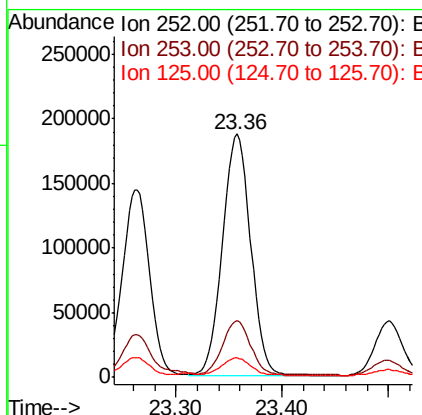
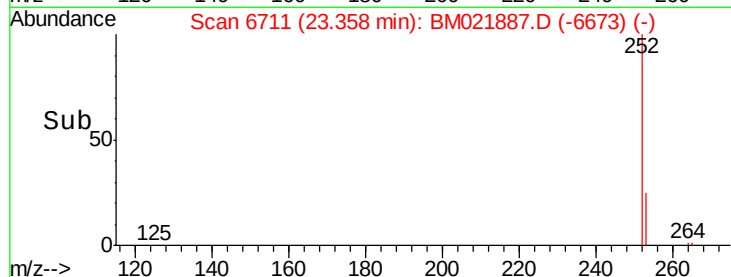
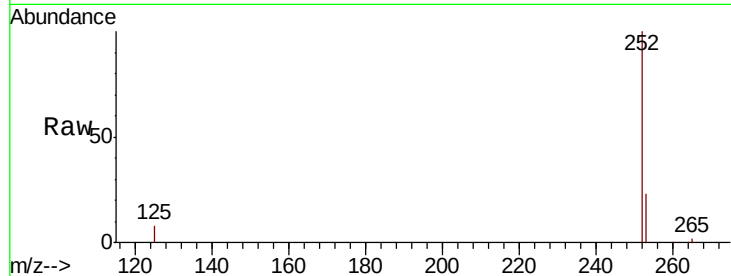
#23
Benzo(a)pyrene
Concen: 10.782 ng/ul
RT: 23.36 min Scan# 6711
Delta R.T. -0.01 min
Lab File: BM021887.D
Acq: 07 Aug 2019 09:16

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	31.7	47.5#
125	8.0	14.6	21.8#

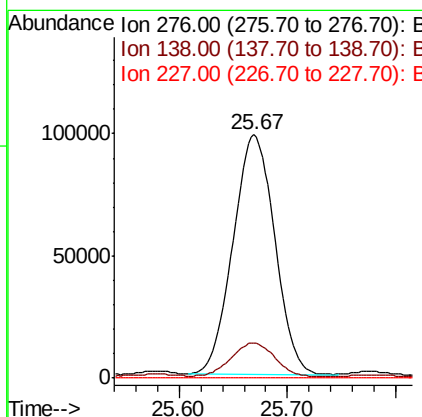
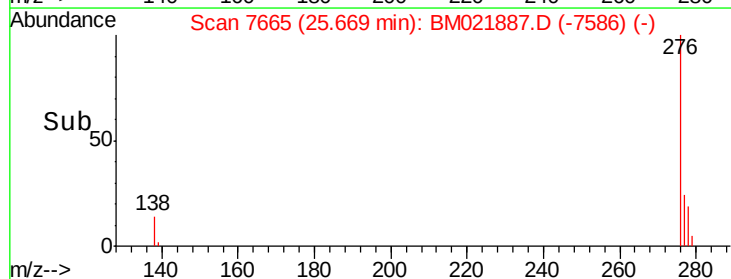
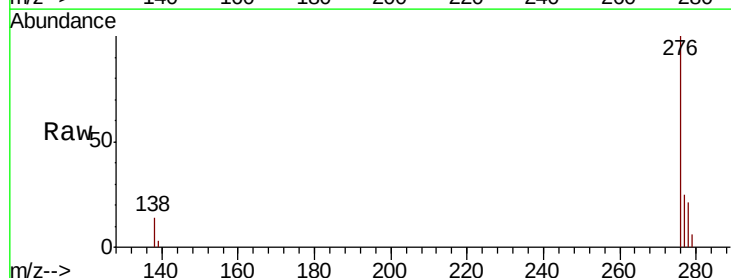
Manual Integrations
APPROVED

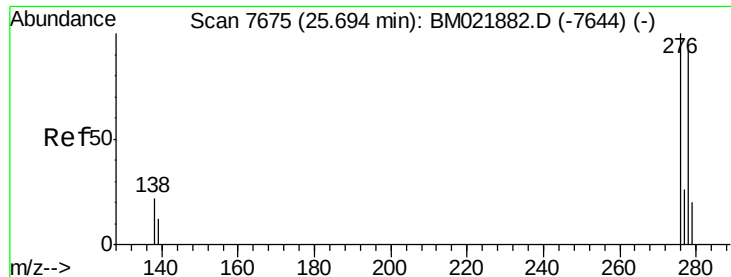
mohammad
8/7/2019 12:14:05 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 7.046 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.01 min
Lab File: BM021887.D
Acq: 07 Aug 2019 09:16

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	14.5	15.1	22.7#
227	0.0	0.0	0.0





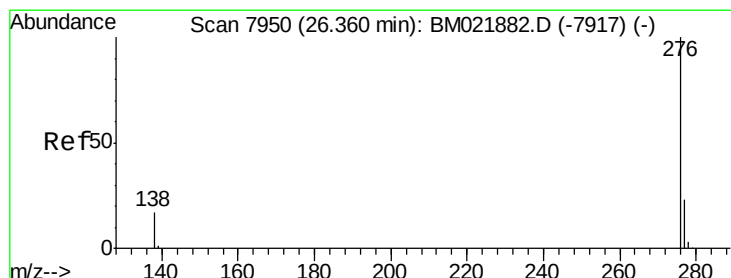
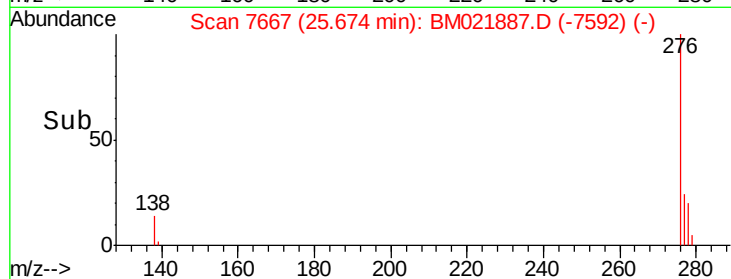
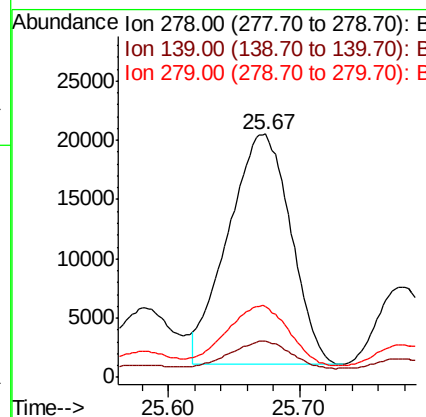
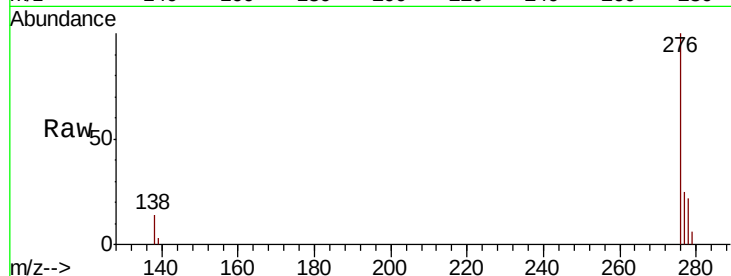
#25
Dibenzo(a,h)anthracene
Concen: 2.134 ng/ul
RT: 25.67 min Scan# 7667
Delta R.T. -0.02 min
Lab File: BM021887.D
Acq: 07 Aug 2019 09:16

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	14.2	21.2
279	28.9	28.3	42.5

Manual Integrations
APPROVED

mohammad
8/7/2019 12:14:05 PM



#26
Benzo(g,h,i)perylene
Concen: 6.514 ng/ul
RT: 26.35 min Scan# 7947
Delta R.T. -0.01 min
Lab File: BM021887.D
Acq: 07 Aug 2019 09:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	15.5	23.3#
277	24.5	21.4	32.2

