

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\
 Data File : BM021897.D
 Acq On : 07 Aug 2019 15:50
 Operator : HP/JU
 Sample : K3893-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP11MSD

Manual Integrations
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Quant Time: Aug 07 16:44:46 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	754	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3328	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	1965	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	4542	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4666	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6140m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1597	0.29	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	4164	0.27	ng/ul	-0.01
Target Compounds					Qvalue	
3) Naphthalene	10.46	128	2771	0.295	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	1532	0.245	ng/ul	97
7) Acenaphthylene	14.00	152	8990	0.981	ng/ul	96
8) Acenaphthene	14.34	153	8034	1.071	ng/ul	97
9) Fluorene	15.34	166	7040	0.845	ng/ul	98
11) Pentachlorophenol	16.69	266	149	0.178	ng/ul	94
12) Phenanthrene	17.08	178	169966	12.861	ng/ul	96
13) Anthracene	17.17	178	30327	2.690	ng/ul	95
15) Fluoranthene	19.10	202	529857	29.930	ng/ul	94
17) Pyrene	19.47	202	466415	24.325	ng/ul	96
18) Benzo(a)anthracene	21.22	228	247727	14.843	ng/ul	99
19) Chrysene	21.27	228	293763	13.686	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	447492m	21.613	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	141548m	6.041	ng/ul	
23) Benzo(a)pyrene	23.35	252	268953	12.773	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	209315	8.326	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.67	278	51539	2.536	ng/ul	91
26) Benzo(g,h,i)perylene	26.35	276	174786	7.722	ng/ul	95

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

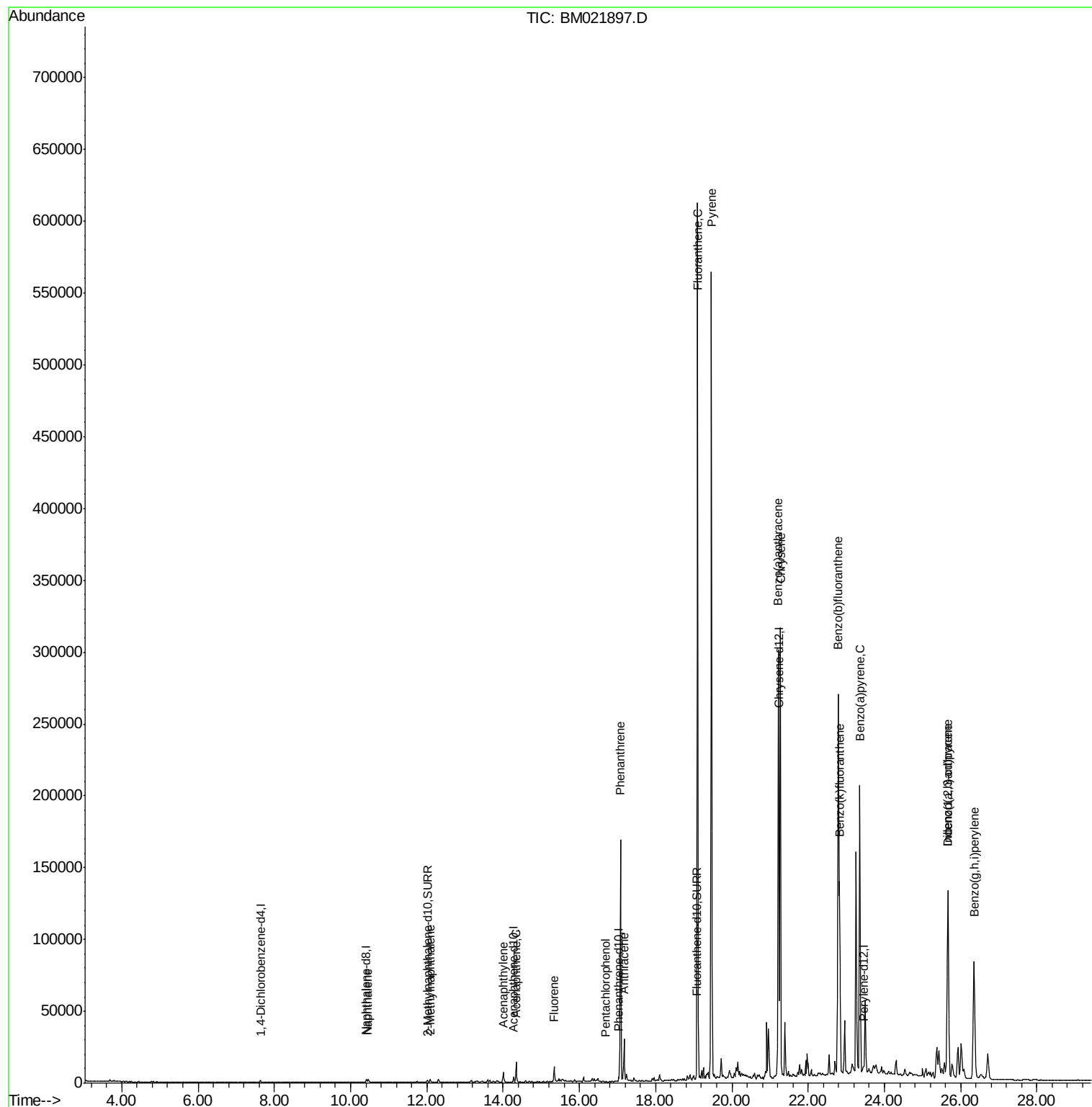
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\
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ALS Vial : 8 Sample Multiplier: 1

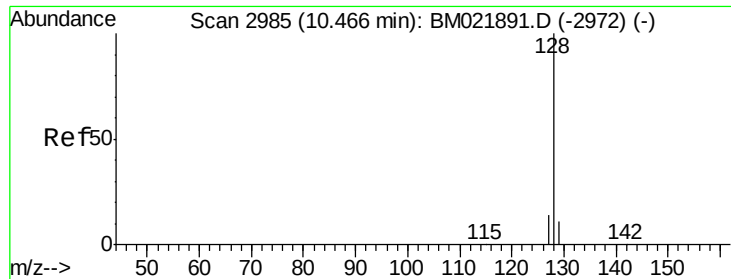
Instrument :
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QLast Update : Wed Aug 07 08:28:11 2019
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#3

Naphthalene

Concen: 0.295 ng/ul

RT: 10.46 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Instrument :

BNA_M

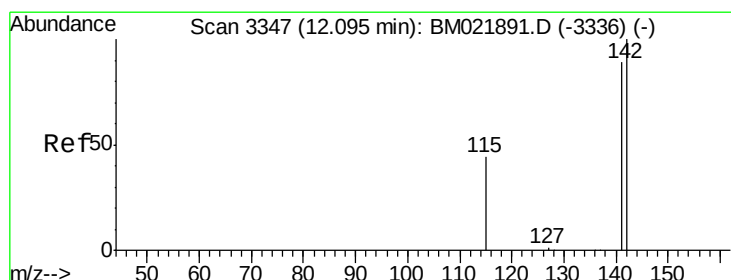
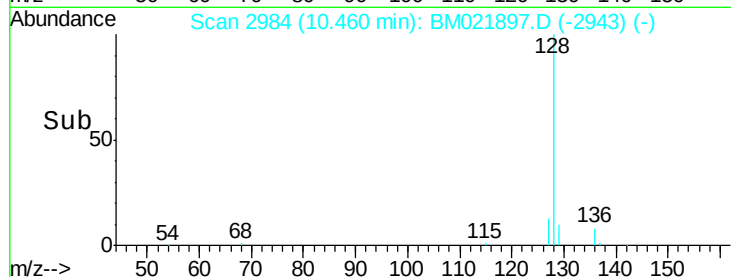
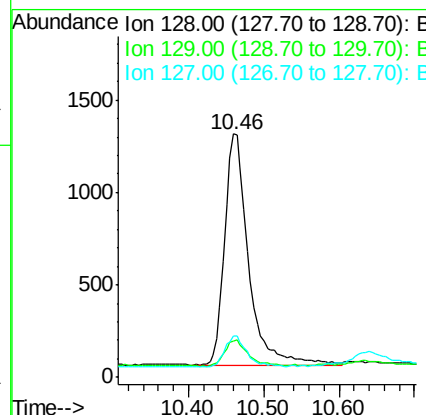
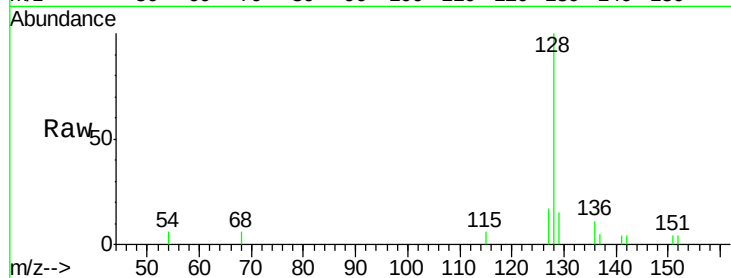
ClientSampleId :

BEP11MSD

Tgt Ion:	128	Resp:	2771
Ion	Ratio	Lower	Upper
128	100		
129	14.8	12.3	18.5
127	16.9	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.245 ng/ul

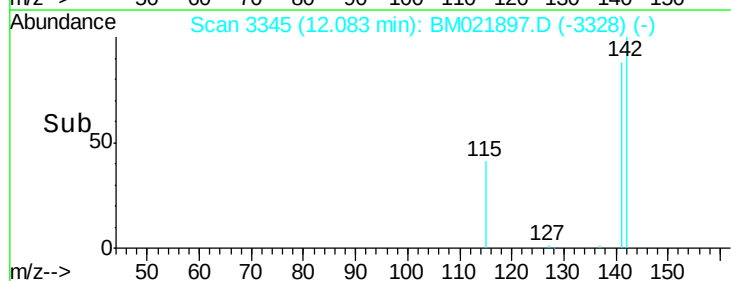
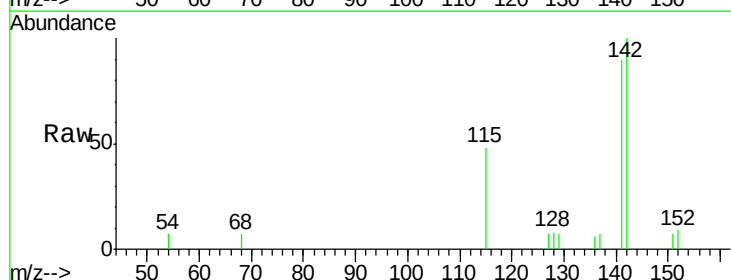
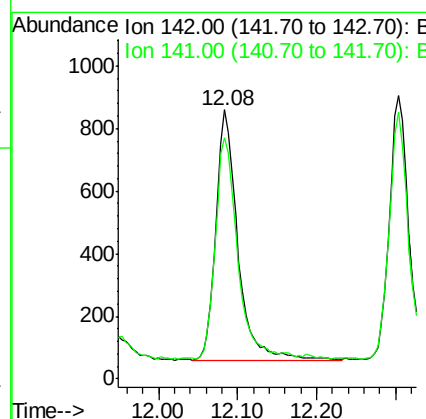
RT: 12.08 min Scan# 3345

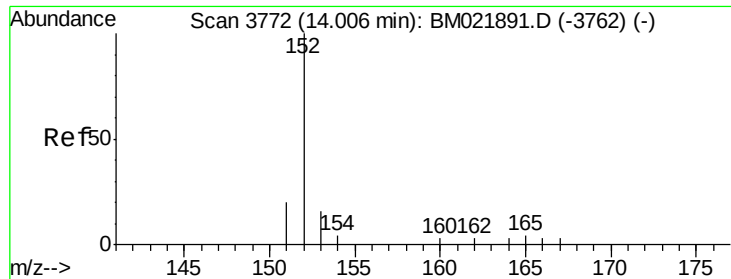
Delta R.T. -0.02 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Tgt Ion:	142	Resp:	1532
Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.3	111.5





#7

Acenaphthylene

Concen: 0.981 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Instrument :

BNA_M

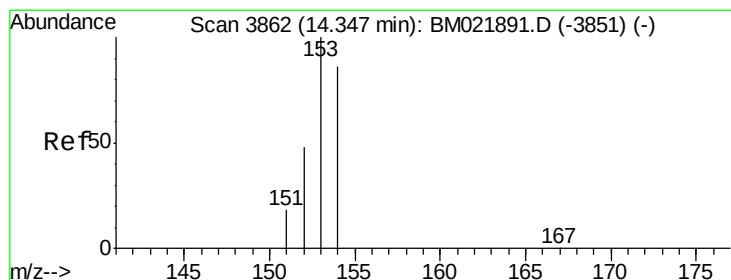
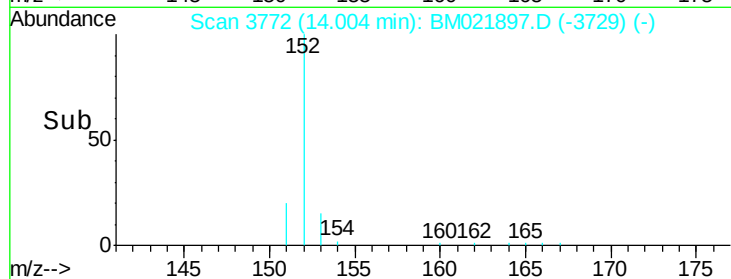
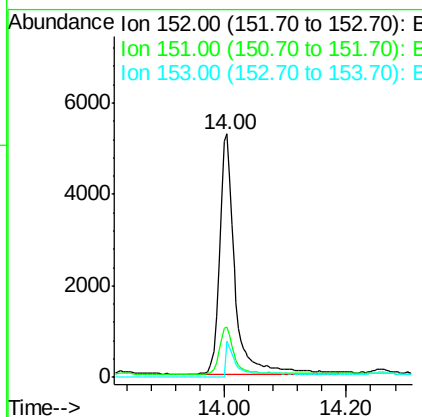
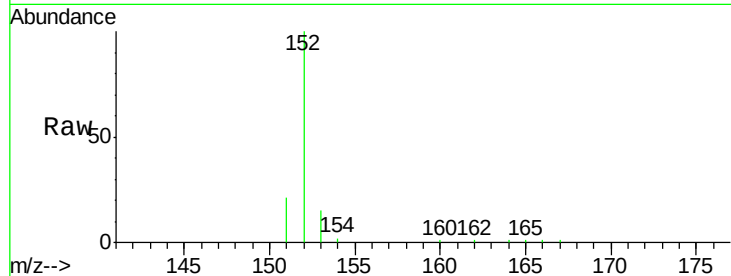
ClientSampleId :

BEP11MSD

Tgt Ion:	152	Resp:	8990
Ion Ratio	Lower	Upper	
152	100		
151	20.7	18.3	27.5
153	14.7	12.8	19.2

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#8

Acenaphthene

Concen: 1.071 ng/ul

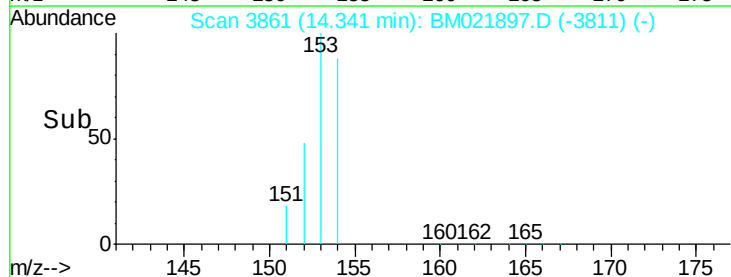
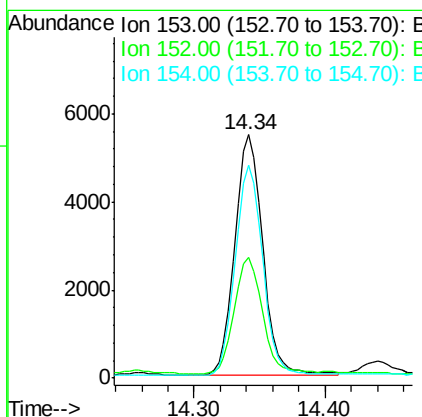
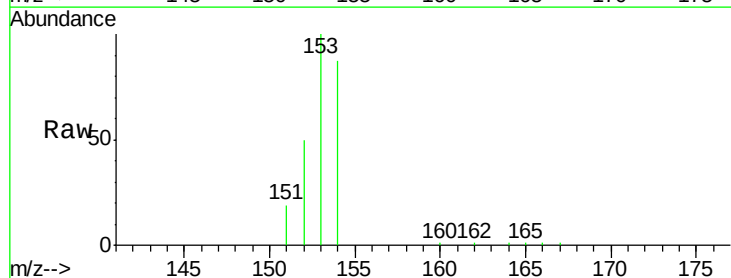
RT: 14.34 min Scan# 3861

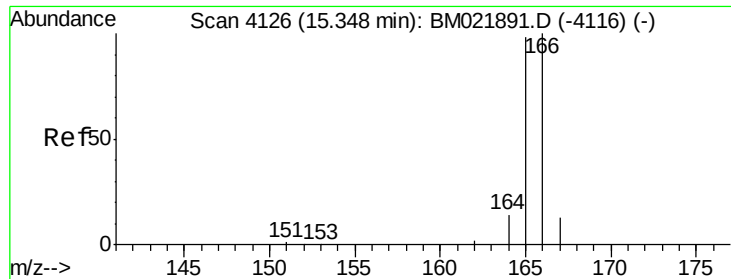
Delta R.T. -0.01 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Tgt Ion:	153	Resp:	8034
Ion Ratio	Lower	Upper	
153	100		
152	49.7	41.3	61.9
154	87.4	72.3	108.5





#9

Fluorene

Concen: 0.845 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.02 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Instrument :

BNA_M

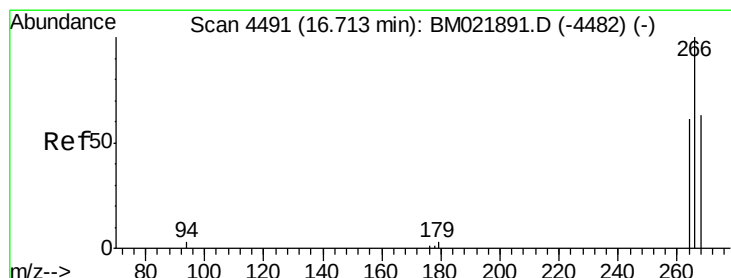
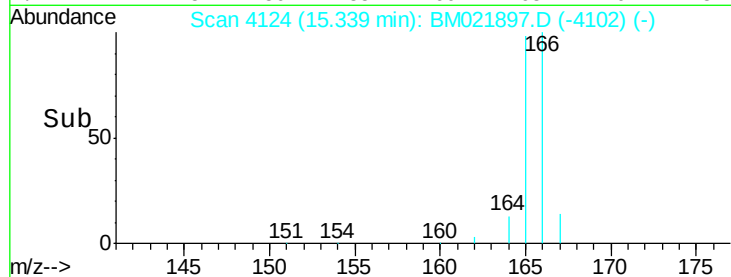
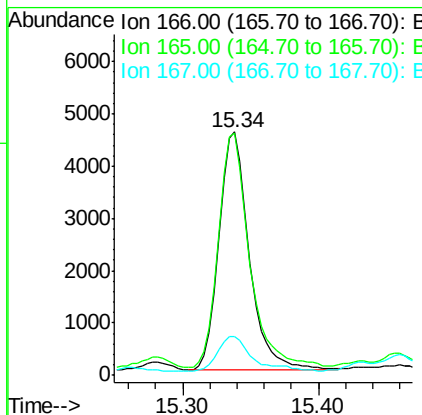
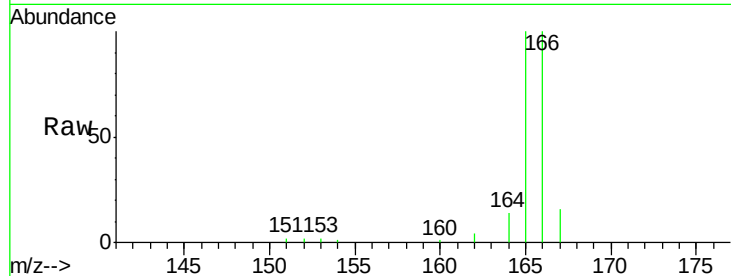
ClientSampleId :

BEP11MSD

Tgt Ion:	166	Resp:	7040
Ion Ratio	Lower	Upper	
166	100		
165	99.6	81.4	122.0
167	16.2	13.7	20.5

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#11

Pentachlorophenol

Concen: 0.178 ng/ul

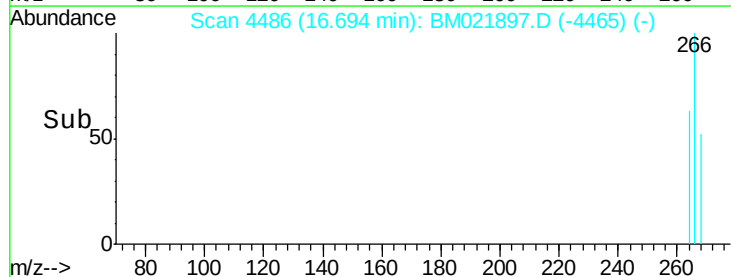
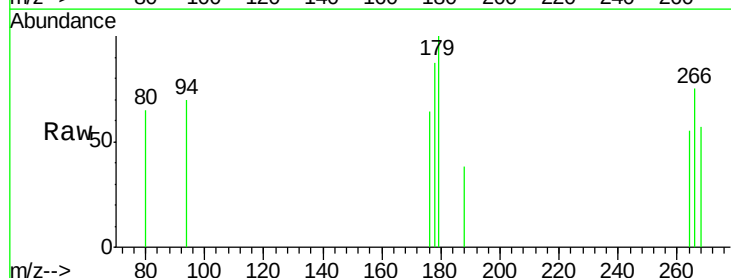
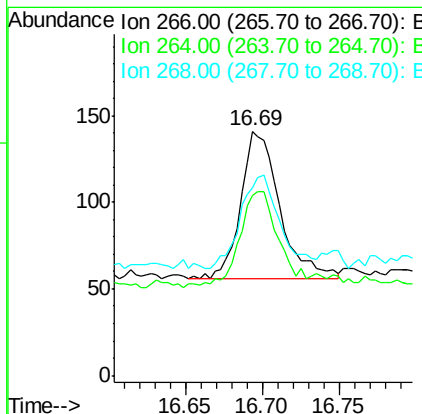
RT: 16.69 min Scan# 4486

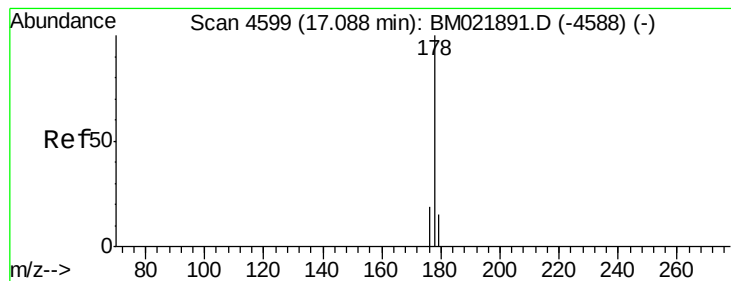
Delta R.T. -0.03 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Tgt Ion:	266	Resp:	149
Ion Ratio	Lower	Upper	
266	100		
264	69.8	54.2	81.2
268	63.8	57.6	86.4





#12

Phenanthrene

Concen: 12.861 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.02 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Instrument :

BNA_M

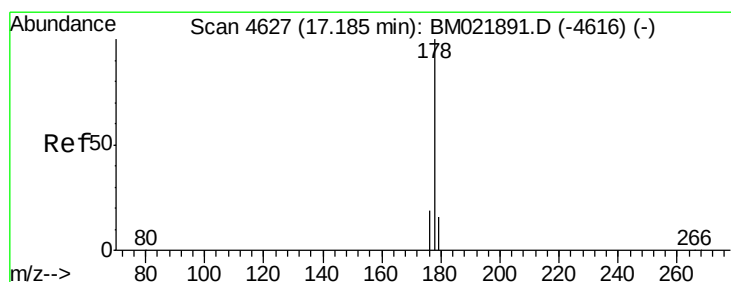
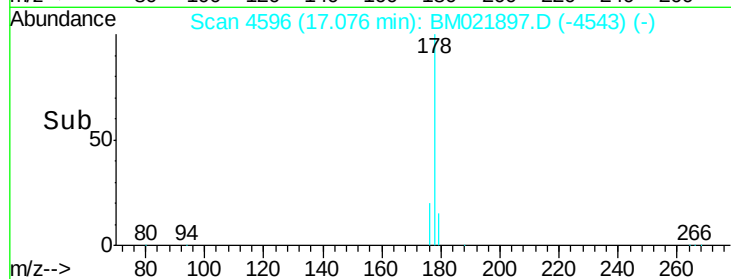
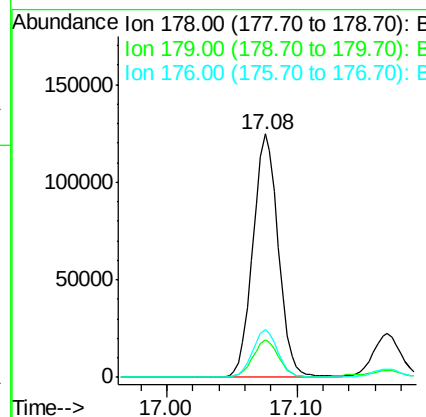
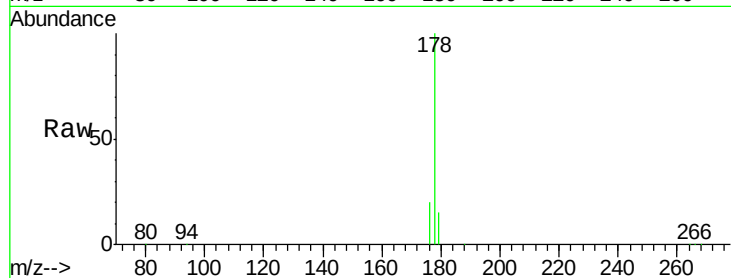
ClientSampleId :

BEP11MSD

Tgt Ion:	178	Resp:	169966
Ion	Ratio	Lower	Upper
178	100		
179	15.4	14.2	21.2
176	19.7	16.8	25.2

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#13

Anthracene

Concen: 2.690 ng/ul

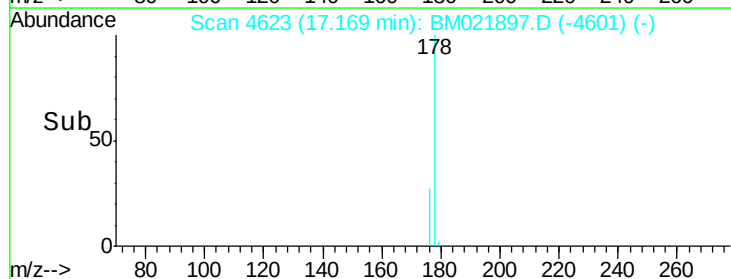
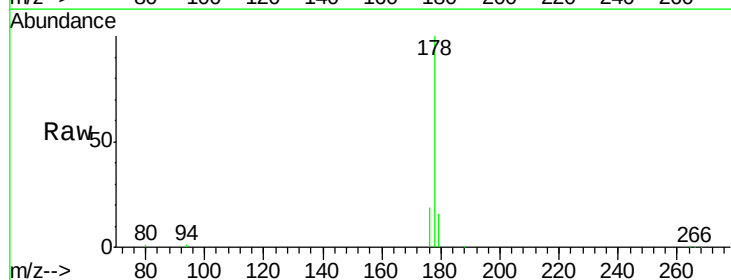
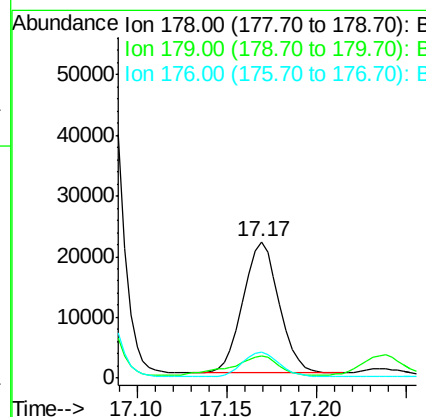
RT: 17.17 min Scan# 4623

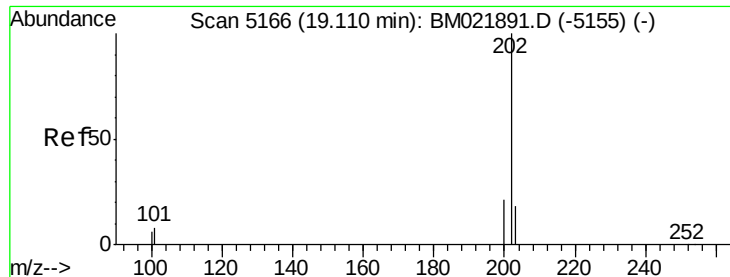
Delta R.T. -0.02 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Tgt Ion:	178	Resp:	30327
Ion	Ratio	Lower	Upper
178	100		
179	16.3	15.5	23.3
176	19.3	16.6	25.0





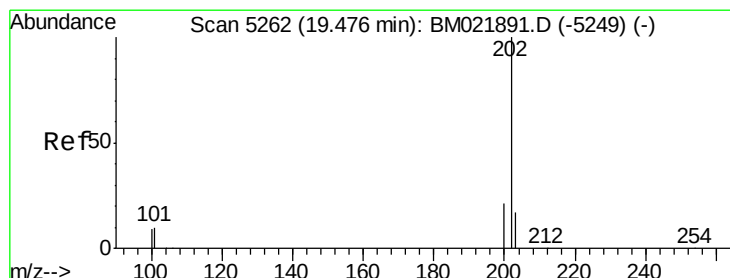
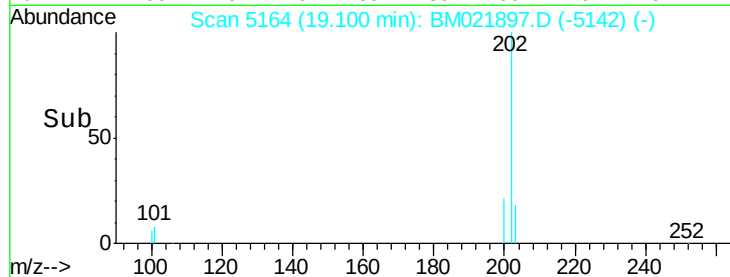
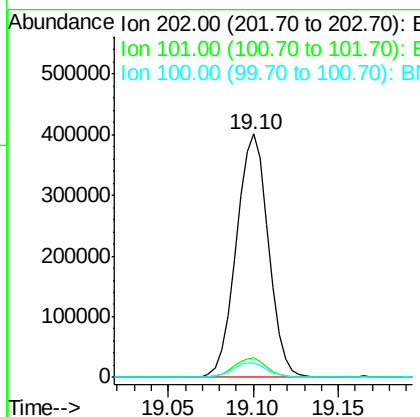
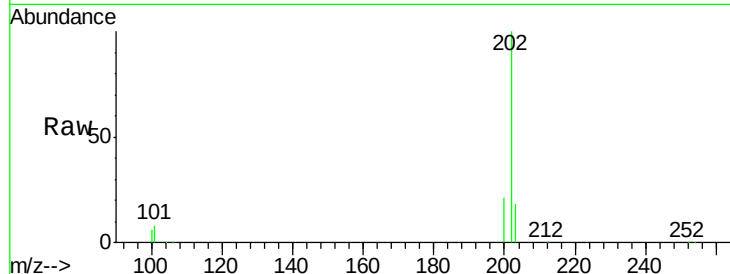
#15
Fluoranthene
Concen: 29.930 ng/ul
RT: 19.10 min Scan# 5164
Delta R.T. -0.02 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	529857		
101	7.9	0.0	30.2	
100	6.2	0.0	28.1	

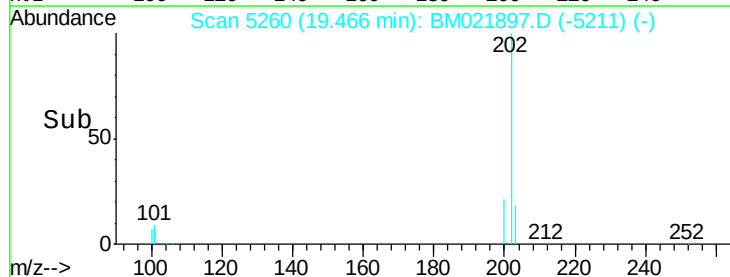
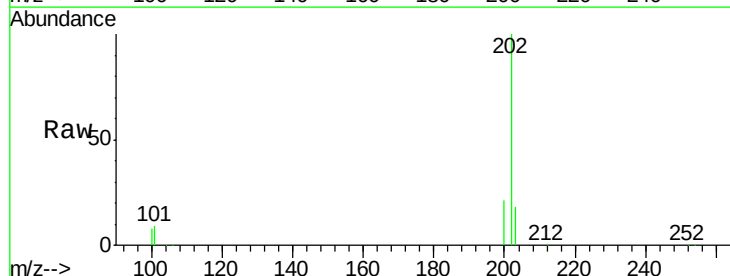
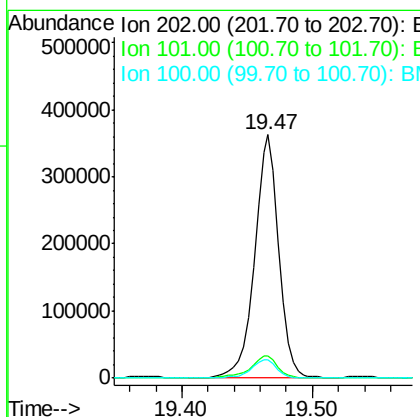
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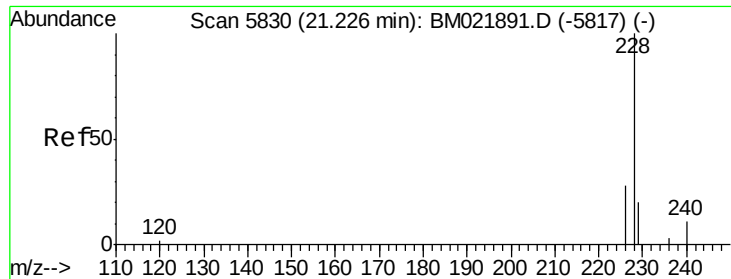
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#17
Pyrene
Concen: 24.325 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. -0.01 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	466415		
101	9.0	8.3	12.5	
100	7.5	7.2	10.8	





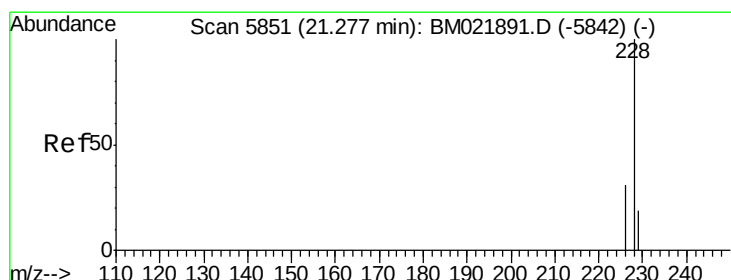
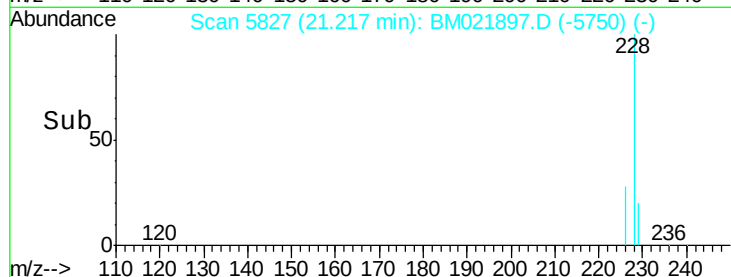
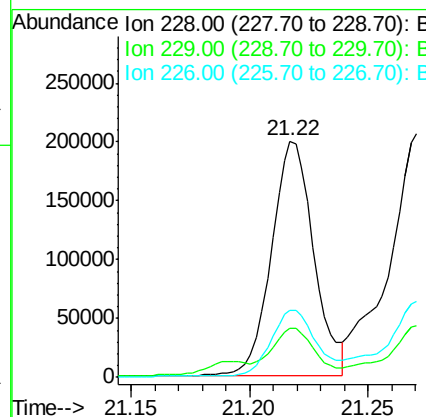
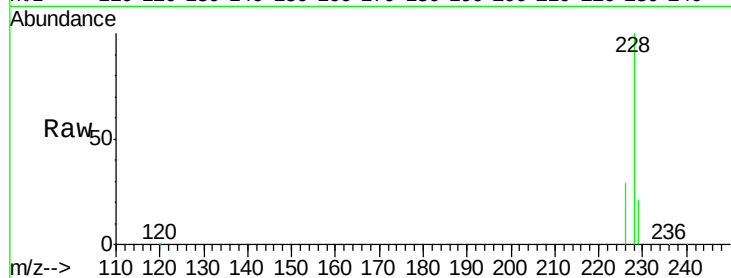
#18
Benzo(a)anthracene
Concen: 14.843 ng/uL
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Instrument :
BNA_M
ClientSampleID :
BEP11MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	17.2	25.8
226	28.6	22.6	34.0

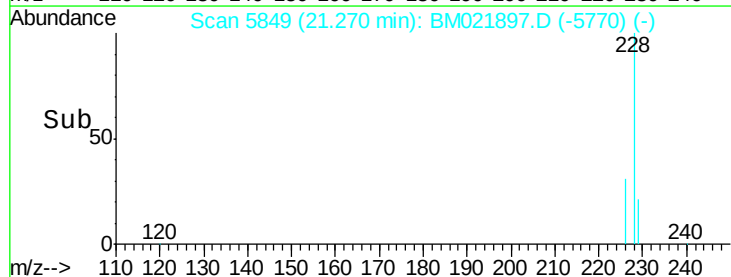
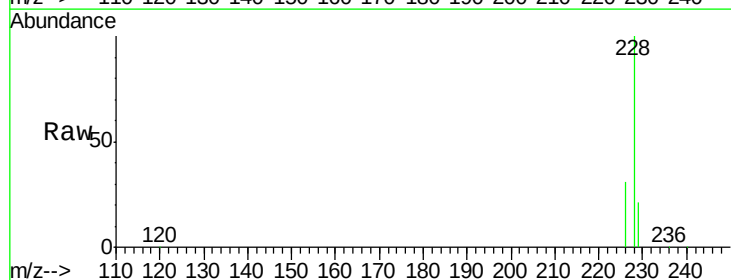
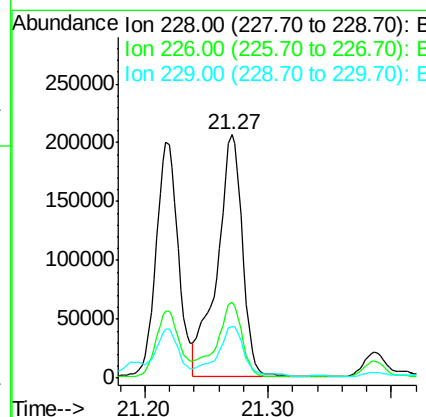
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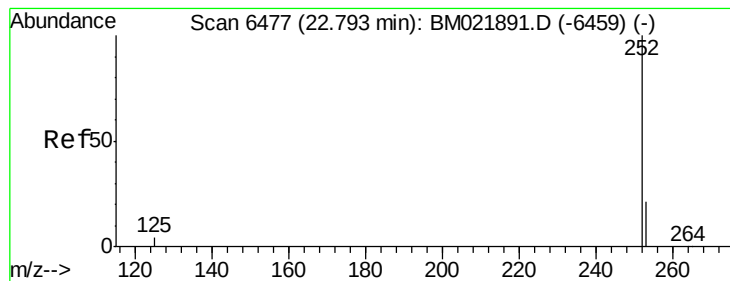
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#19
Chrysene
Concen: 13.686 ng/uL
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.4	16.6	25.0





#21

Benzo(b)fluoranthene

Concen: 21.613 ng/ul m

RT: 22.79 min Scan# 6476

Delta R.T. -0.00 min

Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Instrument :

BNA_M

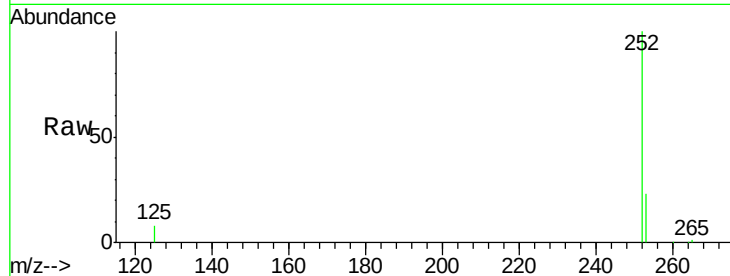
ClientSampleId :

BEP11MSD

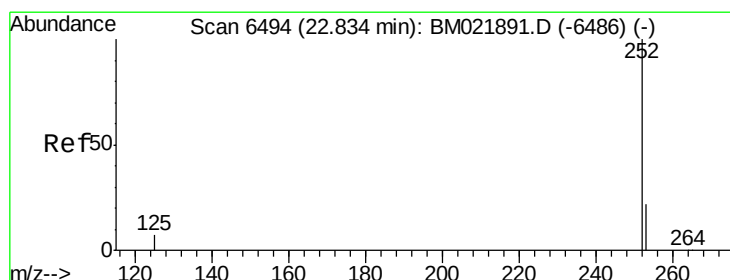
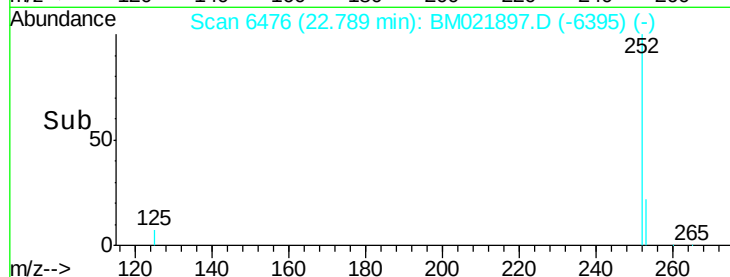
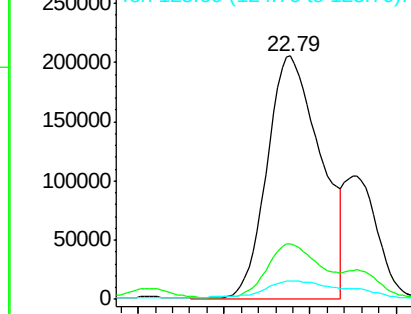
Tgt Ion:	252	Resp:	447492
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	67.4
125	7.7	0.0	31.0

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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: 6.041 ng/ul m

RT: 22.83 min Scan# 6492

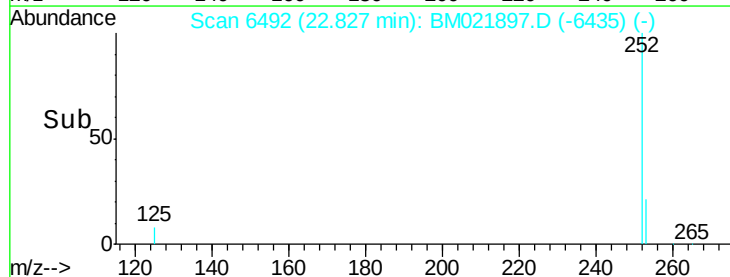
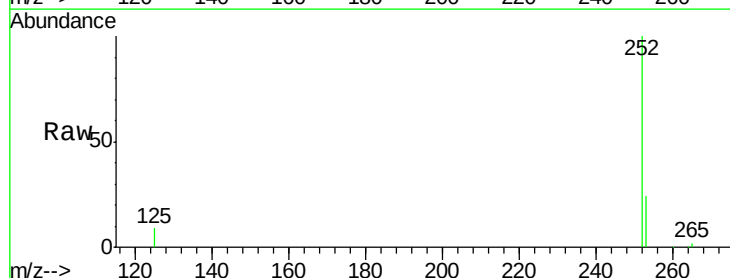
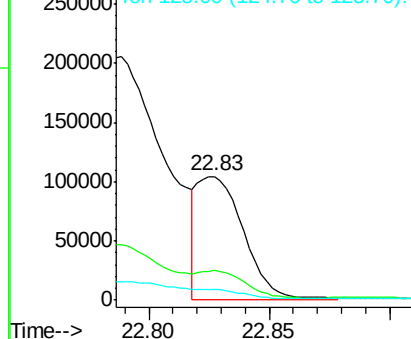
Delta R.T. -0.01 min

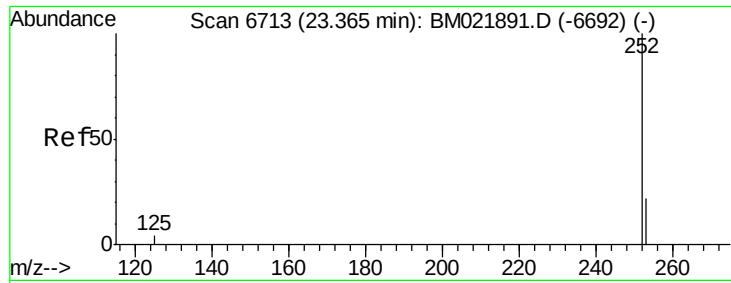
Lab File: BM021897.D

Acq: 07 Aug 2019 15:50

Tgt Ion:	252	Resp:	141548
Ion Ratio	Lower	Upper	
252	100		
253	23.8	27.0	40.4#
125	8.7	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





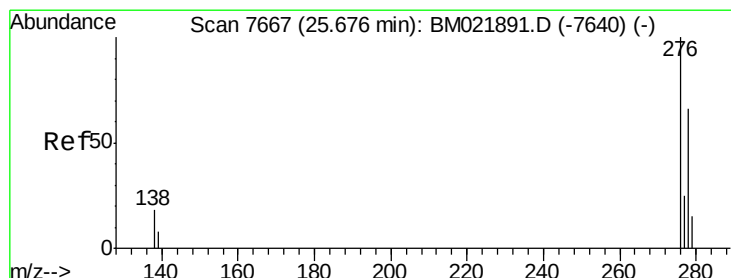
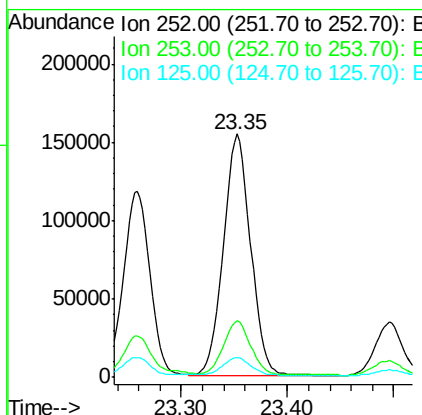
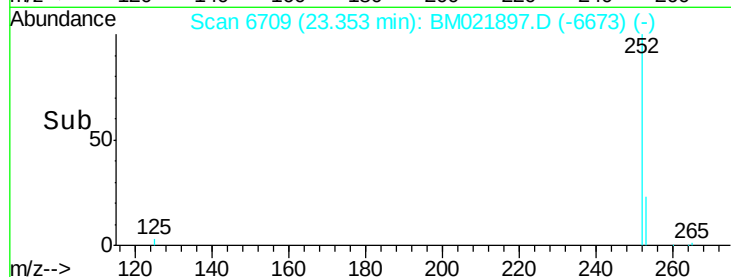
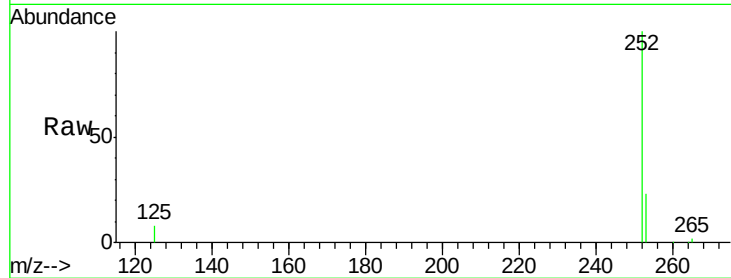
#23
Benzo(a)pyrene
Concen: 12.773 ng/ul
RT: 23.35 min Scan# 6709
Delta R.T. -0.01 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	31.7	47.5#
125	8.1	14.6	21.8#

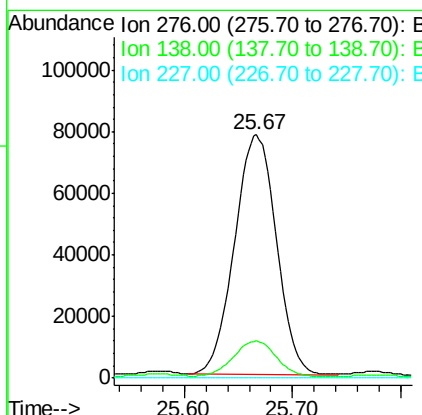
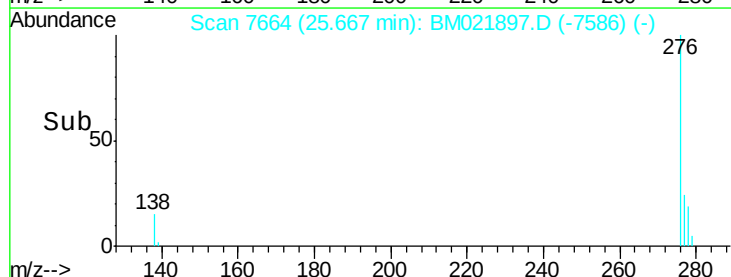
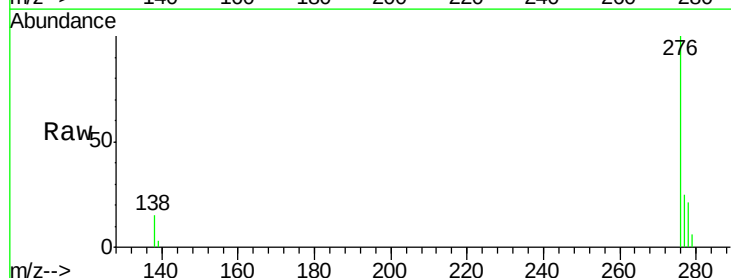
Manual Integrations
APPROVED

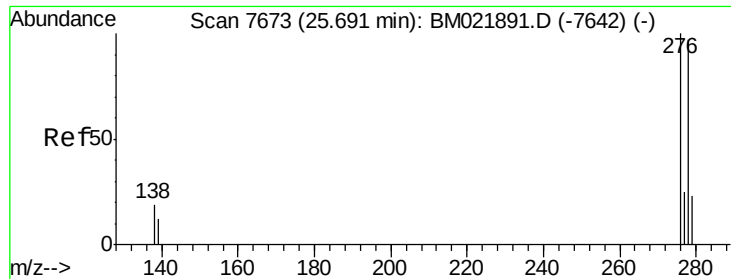
mohammad
8/7/2019 11:52:39 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 8.326 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.01 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

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





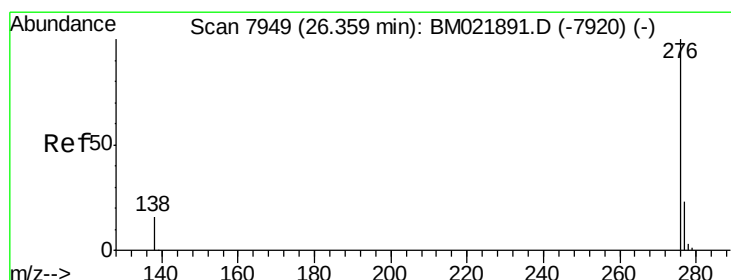
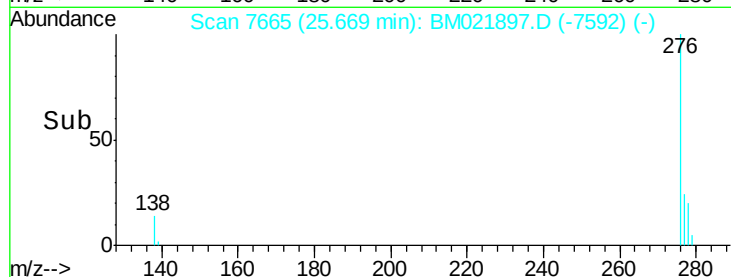
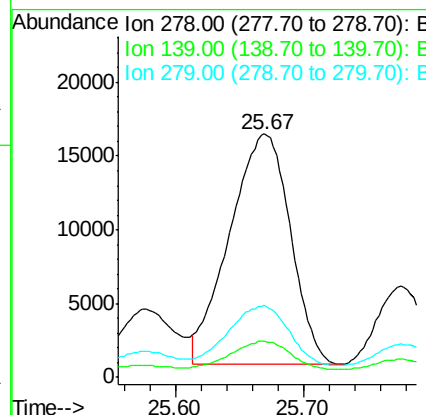
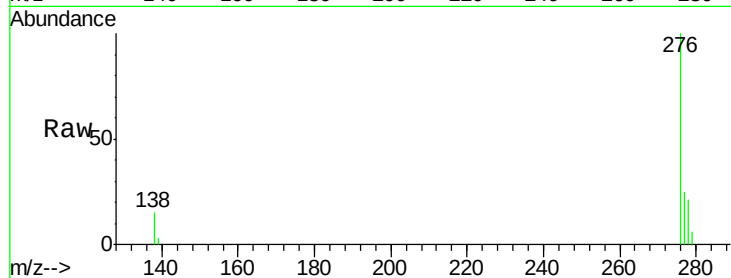
#25
Dibenzo(a,h)anthracene
Concen: 2.536 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.02 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	51539		
139	14.8	14.2	21.2	
279	29.4	28.3	42.5	

Manual Integrations
APPROVED

mohammad
8/7/2019 11:52:39 PM



#26
Benzo(g,h,i)perylene
Concen: 7.722 ng/ul
RT: 26.35 min Scan# 7946
Delta R.T. -0.01 min
Lab File: BM021897.D
Acq: 07 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	174786		
138	16.1	15.5	23.3	
277	24.7	21.4	32.2	

