

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
 Data File : BM021888.D
 Acq On : 07 Aug 2019 09:52
 Operator : HP/JU
 Sample : K3893-07MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP11MSD

Manual Integrations
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mohammad
 8/7/2019 12:14:08 PM

Quant Time: Aug 07 11:57:58 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	955	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4334	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2475	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5871	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5979m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	8065	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	2259	0.32	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	6606	0.33	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	3538	0.289	ng/ul	98
5) 2-Methylnaphthalene	12.08	142	1998	0.245	ng/ul	94
7) Acenaphthylene	14.00	152	13384	1.159	ng/ul#	82
8) Acenaphthene	14.34	153	13123	1.389	ng/ul	97
9) Fluorene	15.34	166	12734	1.214	ng/ul	97
11) Pentachlorophenol	16.70	266	257	0.237	ng/ul	95
12) Phenanthrene	17.08	178	288856	16.909	ng/ul	96
13) Anthracene	17.17	178	53735	3.688	ng/ul	95
15) Fluoranthene	19.10	202	876529	38.304	ng/ul	93
17) Pyrene	19.47	202	773213	31.470	ng/ul	95
18) Benzo(a)anthracene	21.22	228	412389	19.283	ng/ul	99
19) Chrysene	21.27	228	489088m	17.782	ng/ul	
21) Benzo(b)fluoranthene	22.80	252	715661m	26.315	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	231211m	7.512	ng/ul	
23) Benzo(a)pyrene	23.36	252	445052	16.091	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.67	276	339940	10.294	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.68	278	86948m	3.257	ng/ul	
26) Benzo(g,h,i)perylene	26.36	276	285324	9.597	ng/ul#	93

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

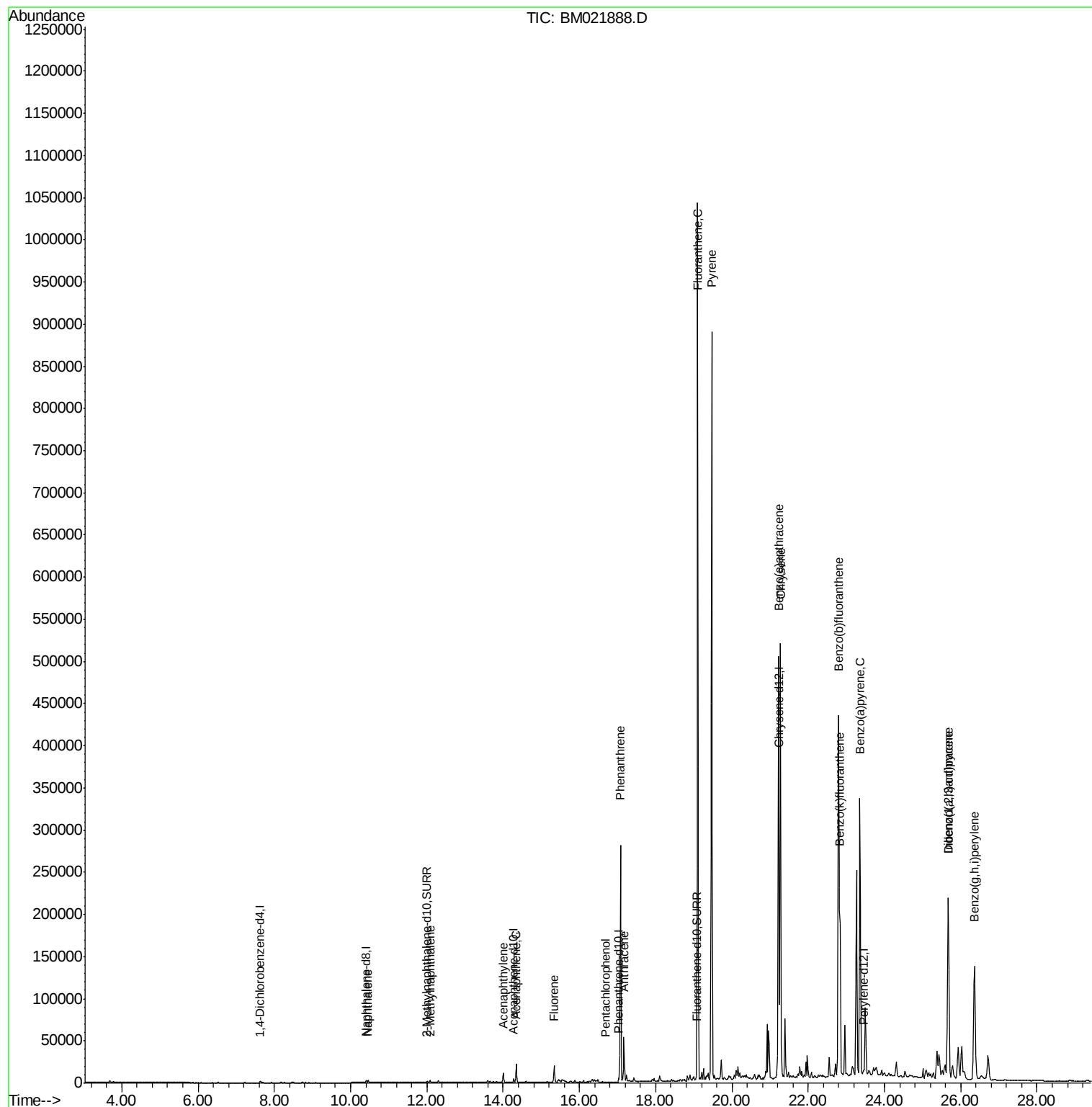
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021888.D
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Operator : HP/JU
Sample : K3893-07MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

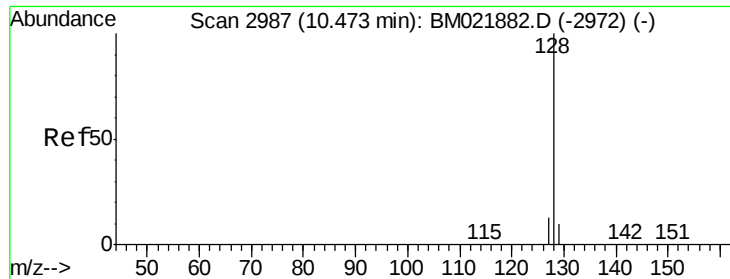
Instrument :
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#3

Naphthalene

Concen: 0.289 ng/ul

RT: 10.46 min Scan# 2983

Delta R.T. -0.02 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

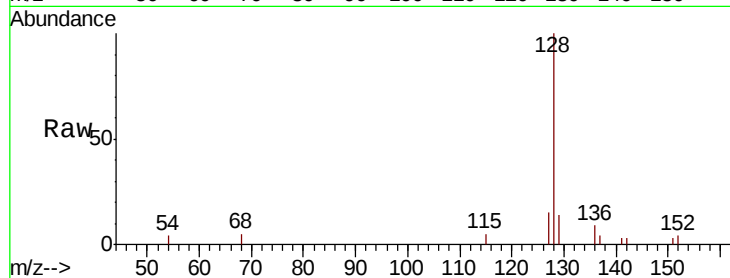
ClientSampleId :

BEP11MSD

Tot Ion:	128	Resp:	3538
Ion	Ratio	Lower	Upper
128	100		
129	14.4	12.3	18.5
127	15.5	13.0	19.6

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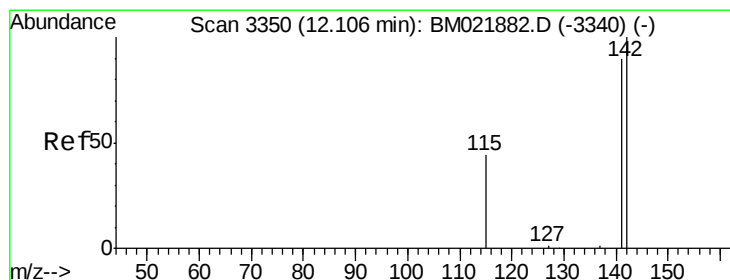
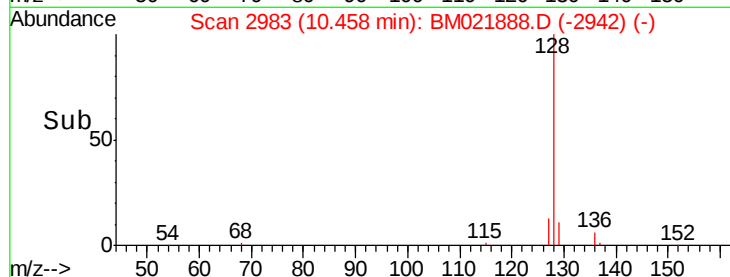
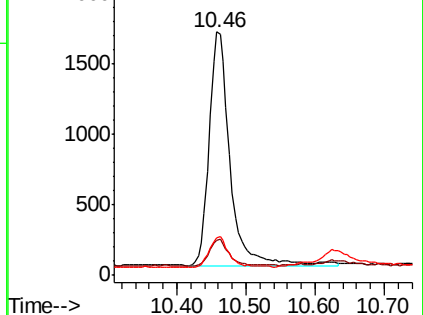
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.245 ng/ul

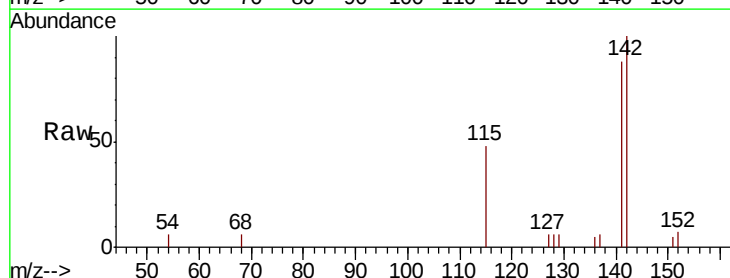
RT: 12.08 min Scan# 3344

Delta R.T. -0.02 min

Lab File: BM021888.D

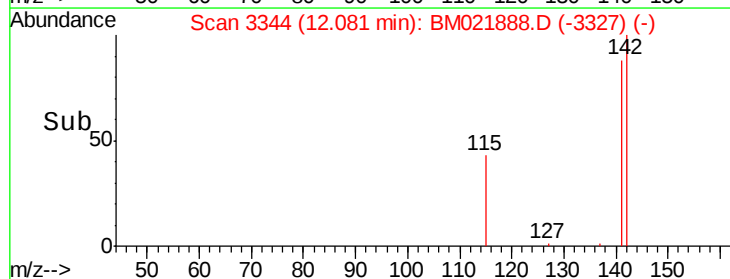
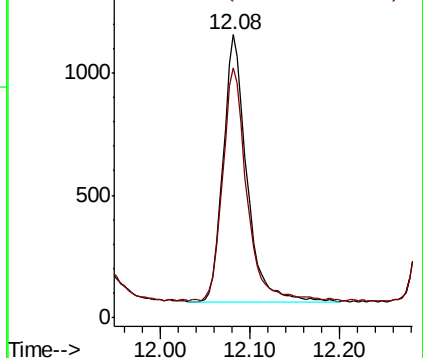
Acq: 07 Aug 2019 09:52

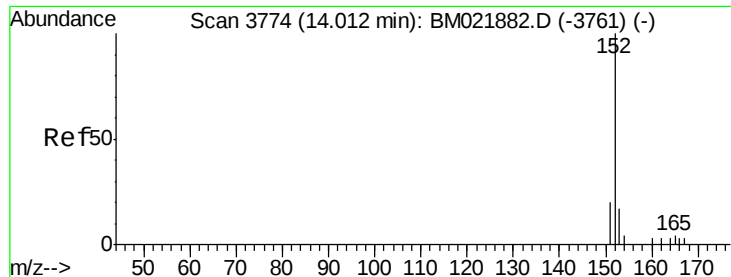
Tgt Ion:	142	Resp:	1998
Ion	Ratio	Lower	Upper
142	100		
141	87.4	74.3	111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.159 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

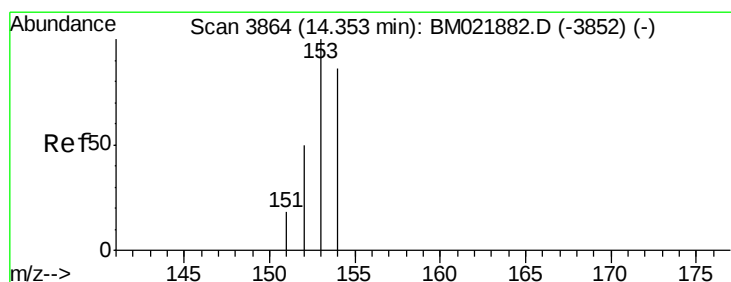
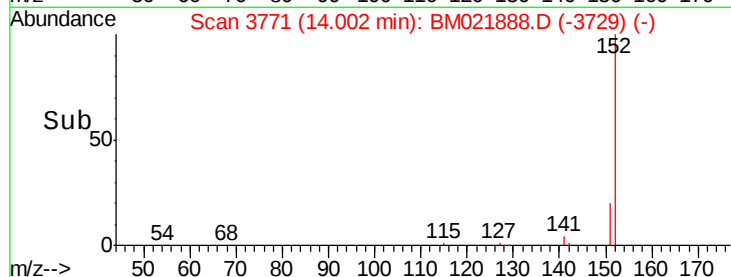
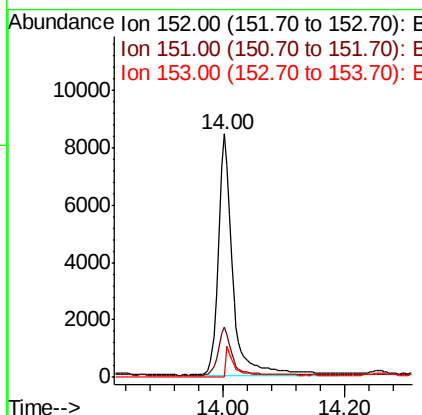
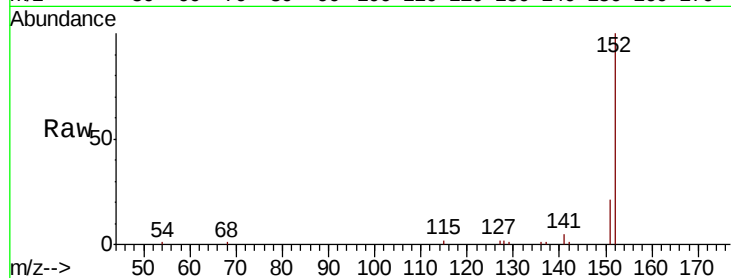
ClientSampleId :

BEP11MSD

Tot Ion:	152	Resp:	13384
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: 1.389 ng/ul

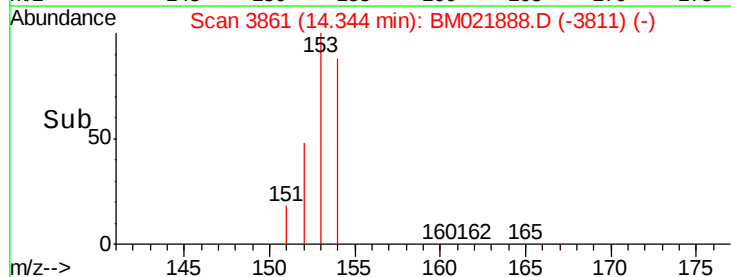
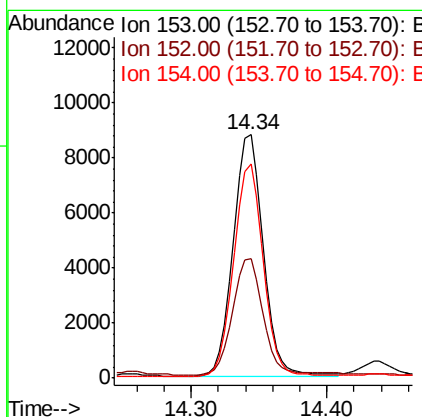
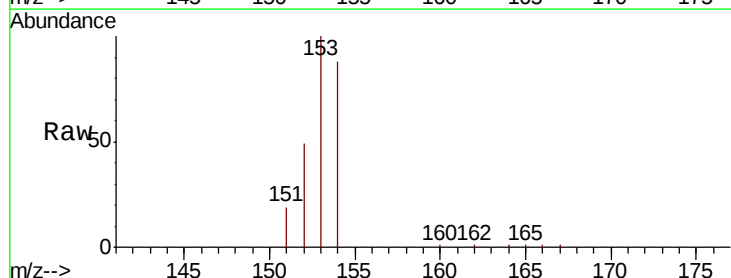
RT: 14.34 min Scan# 3861

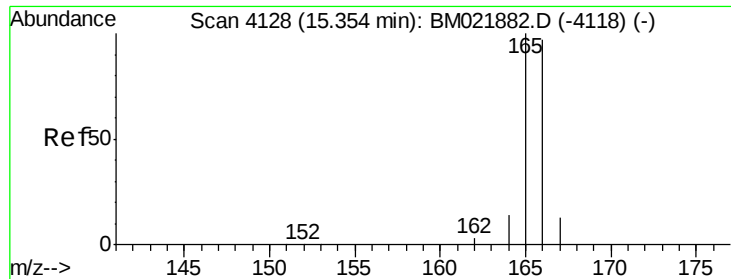
Delta R.T. -0.01 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Tgt Ion:	153	Resp:	13123
Ion Ratio	Lower	Upper	
153	100		
152	49.0	41.3	61.9
154	88.2	72.3	108.5





#9

Fluorene

Concen: 1.214 ng/ul

RT: 15.34 min Scan# 4123

Delta R.T. -0.02 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

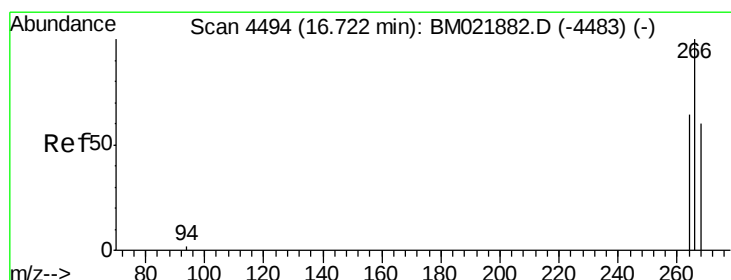
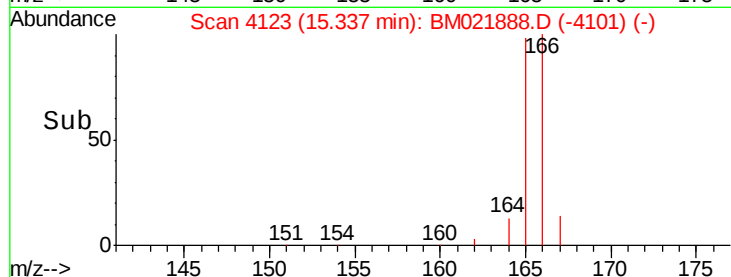
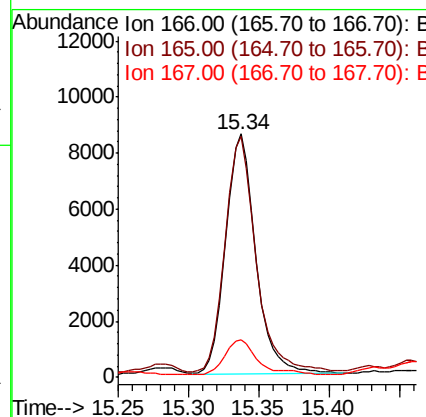
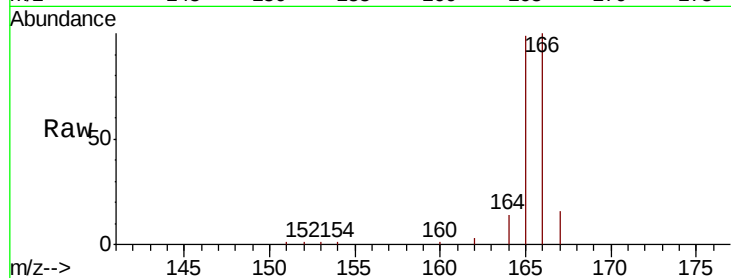
ClientSampleId :

BEP11MSD

Tot Ion:	166	Resp:	12734
Ion	Ratio	Lower	Upper
166	100		
165	99.2	81.4	122.0
167	15.6	13.7	20.5

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#11

Pentachlorophenol

Concen: 0.237 ng/ul

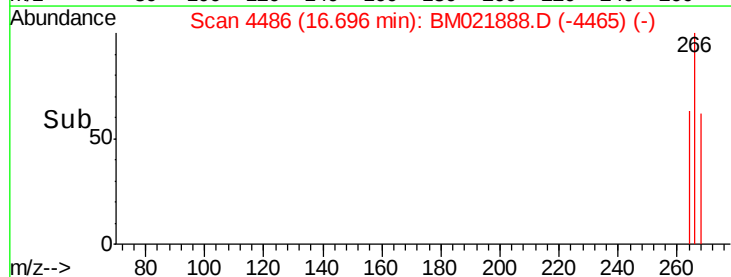
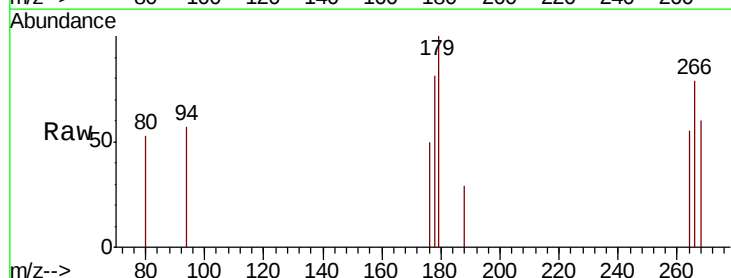
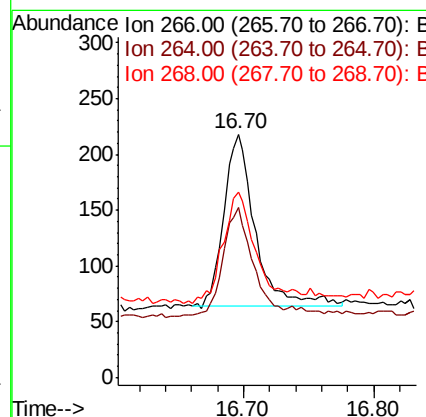
RT: 16.70 min Scan# 4486

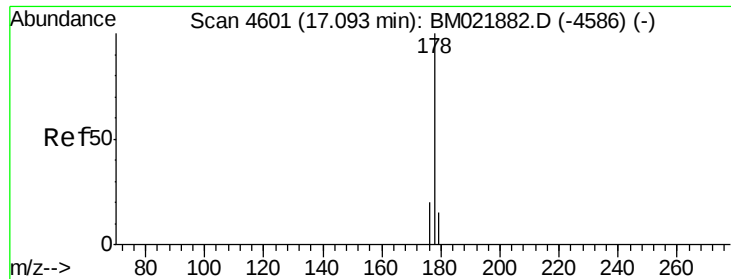
Delta R.T. -0.03 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Tgt Ion:	266	Resp:	257
Ion	Ratio	Lower	Upper
266	100		
264	63.4	54.2	81.2
268	68.5	57.6	86.4





#12

Phenanthrene

Concen: 16.909 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.02 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

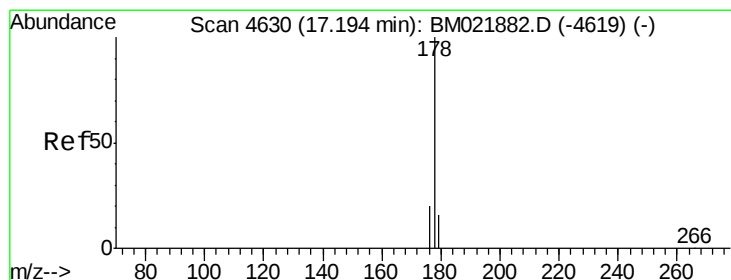
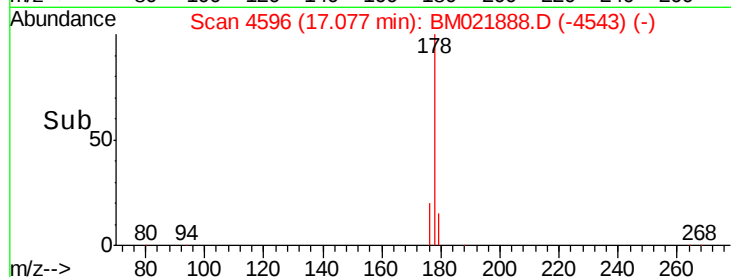
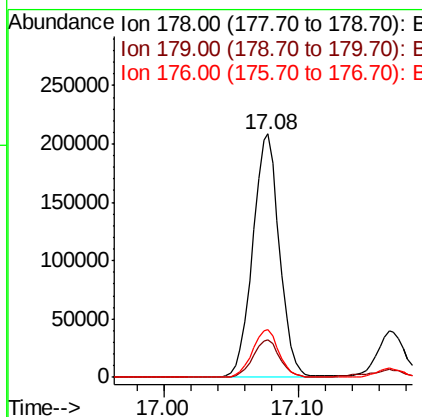
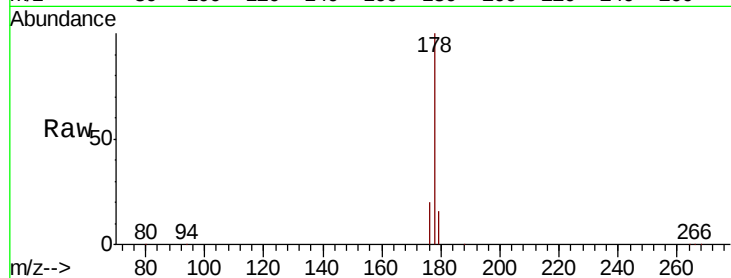
ClientSampleId :

BEP11MSD

Tot Ion:	178	Resp:	288856
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: 3.688 ng/ul

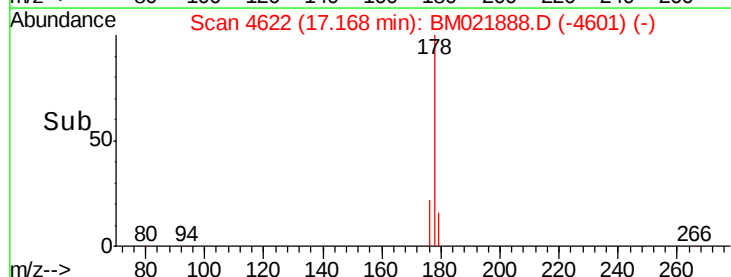
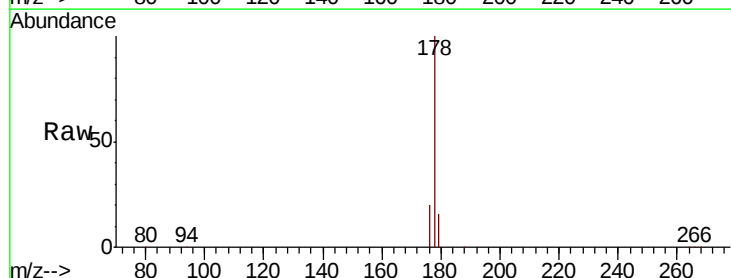
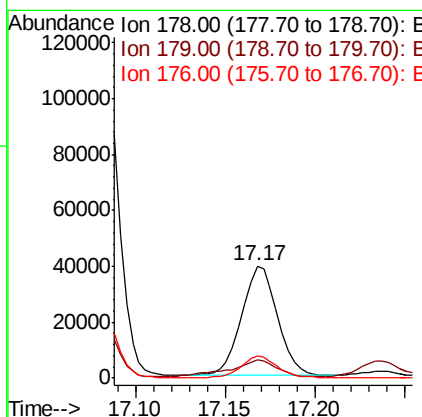
RT: 17.17 min Scan# 4622

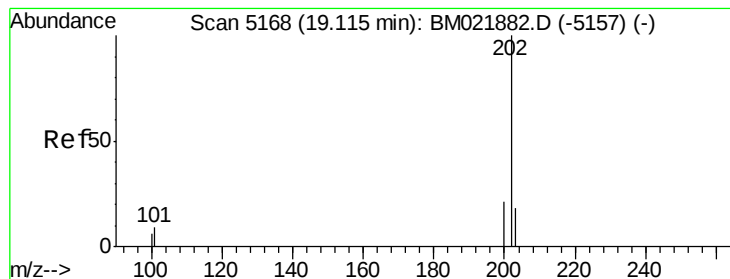
Delta R.T. -0.03 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Tgt Ion:	178	Resp:	53735
Ion Ratio	Lower	Upper	
178	100		
179	16.3	15.5	23.3
176	19.5	16.6	25.0





#15

Fluoranthene

Concen: 38.304 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

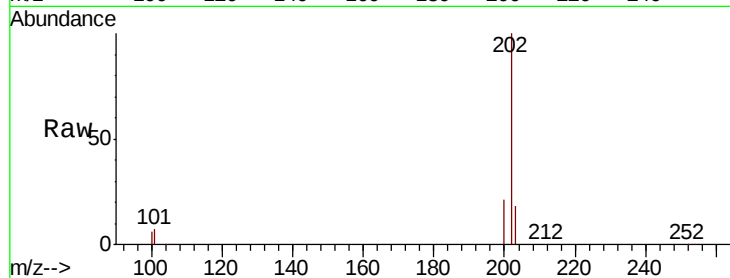
ClientSampleId :

BEP11MSD

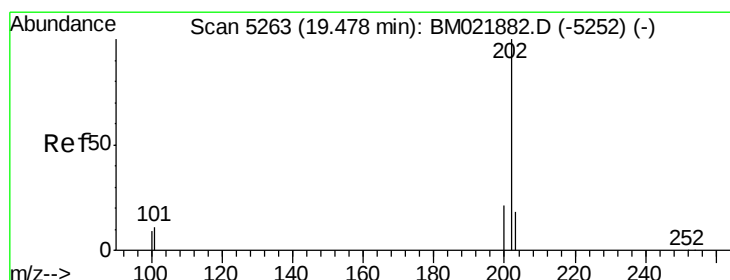
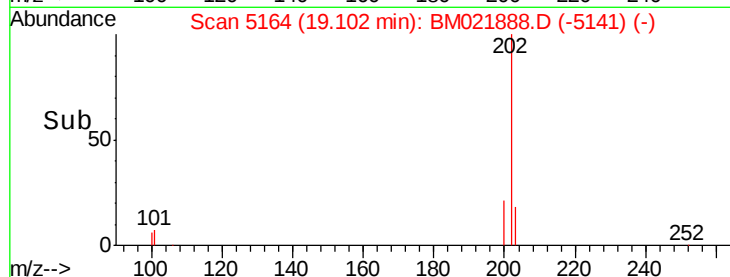
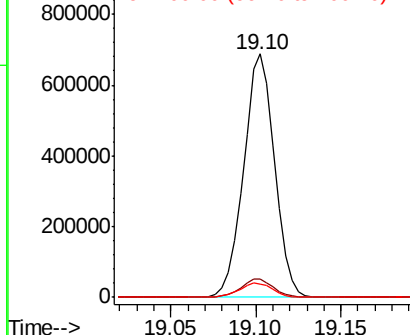
Tot Ion:	202	Resp:	876529
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	30.2
100	5.7	0.0	28.1

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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: 31.470 ng/ul

RT: 19.47 min Scan# 5260

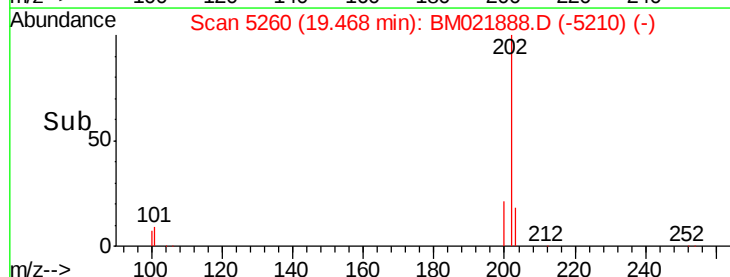
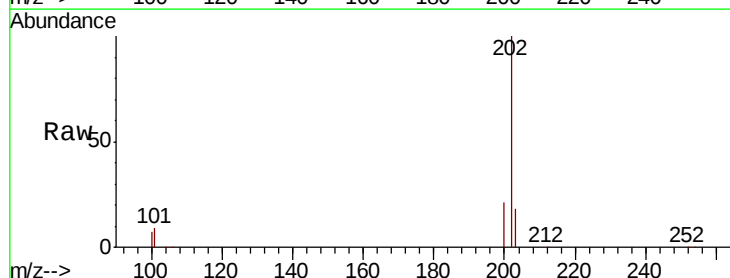
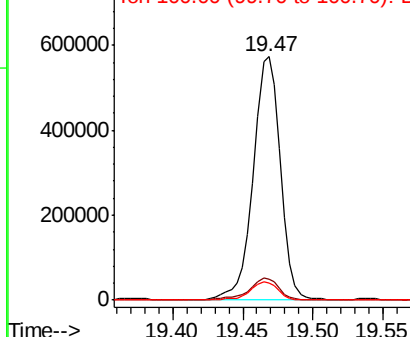
Delta R.T. -0.01 min

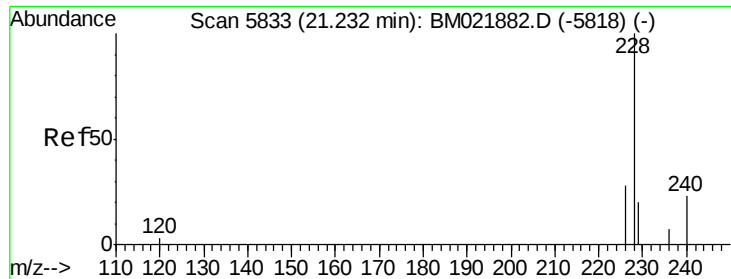
Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Tgt Ion:	202	Resp:	773213
Ion Ratio	Lower	Upper	
202	100		
101	8.7	8.3	12.5
100	7.2	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





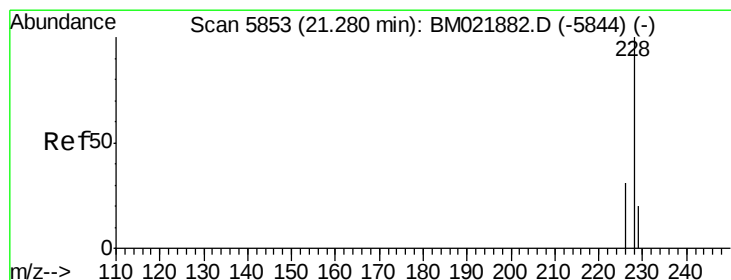
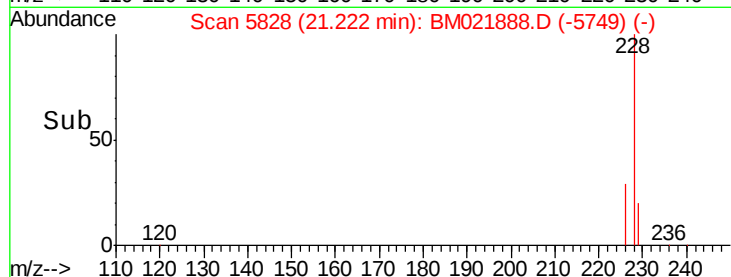
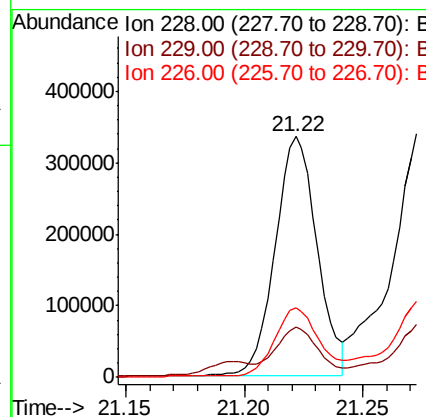
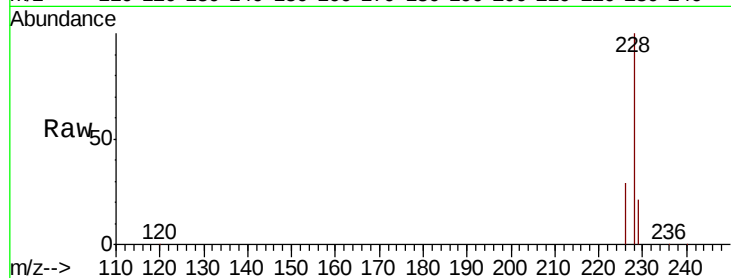
#18
Benzo(a)anthracene
Concen: 19.283 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021888.D
Acq: 07 Aug 2019 09:52

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	17.2	25.8
226	29.0	22.6	34.0

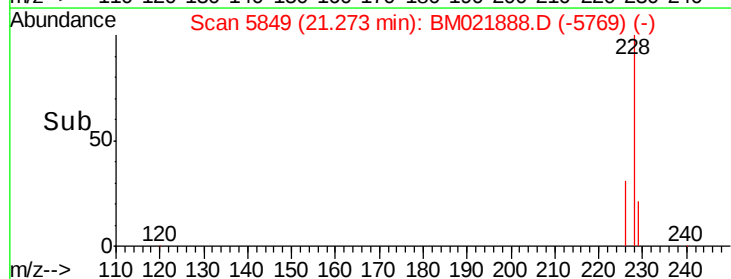
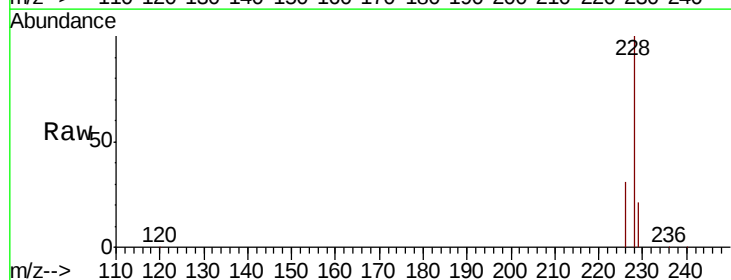
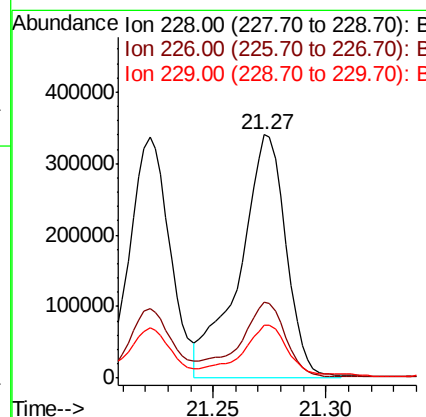
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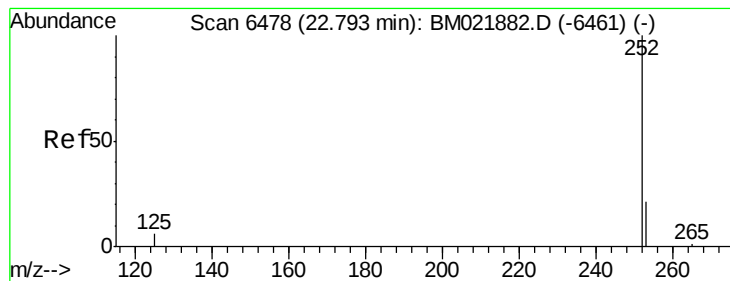
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#19
Chrysene
Concen: 17.782 ng/ul m
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021888.D
Acq: 07 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.5	16.6	25.0





#21

Benzo(b)fluoranthene

Concen: 26.315 ng/ul m

RT: 22.80 min Scan# 6478

Delta R.T. 0.00 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

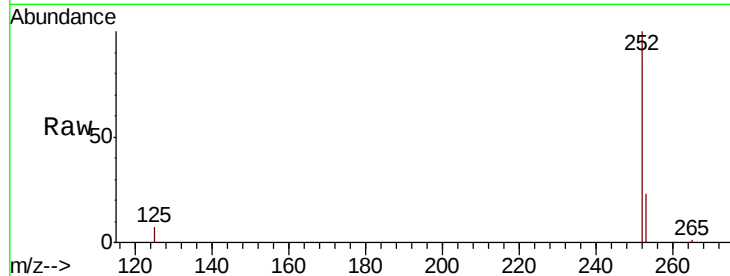
ClientSampleId :

BEP11MSD

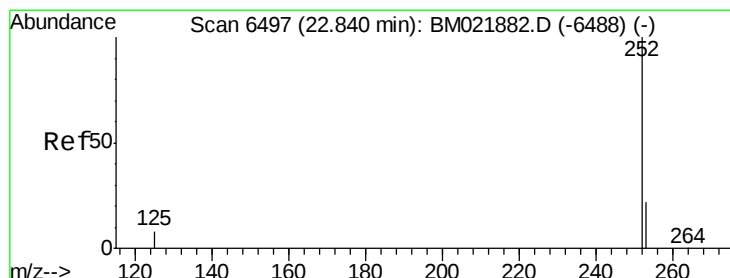
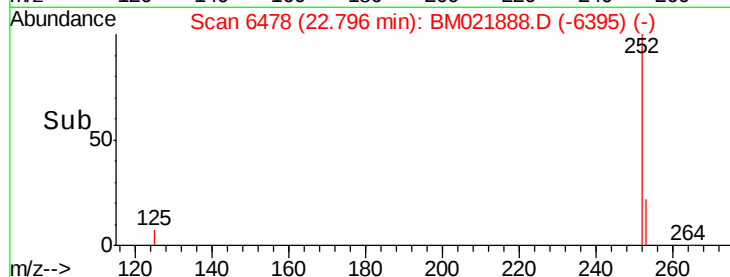
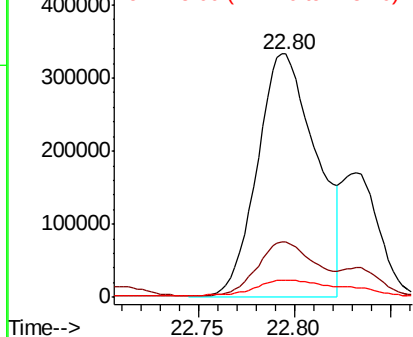
Tot Ion:	252	Resp:	715661
Ion Ratio	Lower	Upper	
252	100		
253	22.7	0.0	67.4
125	7.2	0.0	31.0

Manual Integrations
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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: 7.512 ng/ul m

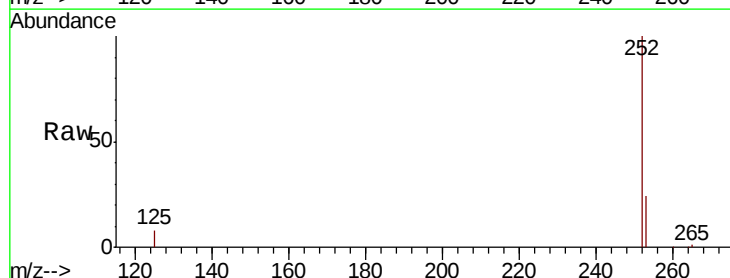
RT: 22.83 min Scan# 6493

Delta R.T. -0.01 min

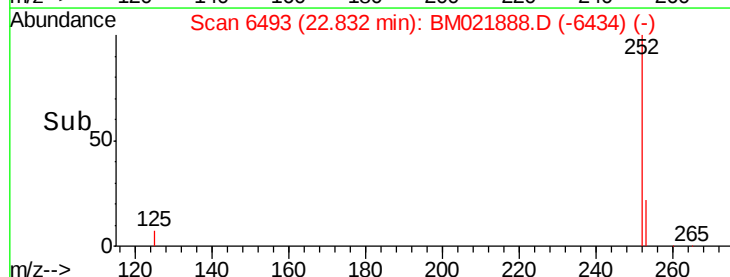
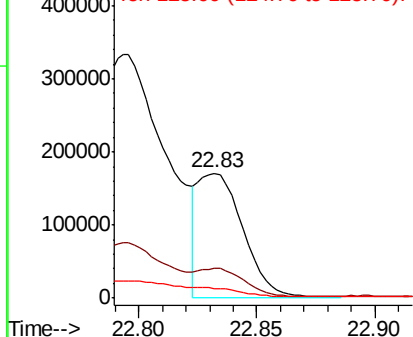
Lab File: BM021888.D

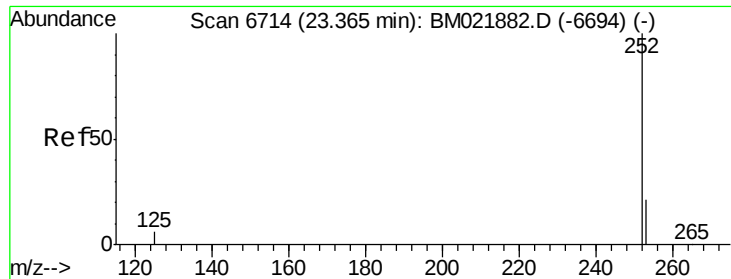
Acq: 07 Aug 2019 09:52

Tgt Ion:	252	Resp:	231211
Ion Ratio	Lower	Upper	
252	100		
253	23.8	27.0	40.4#
125	7.9	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





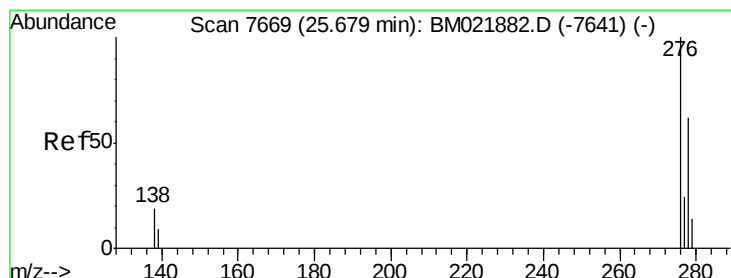
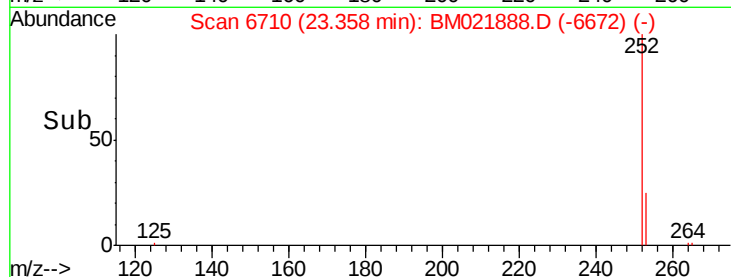
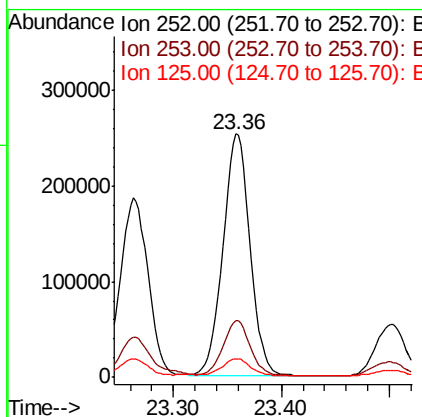
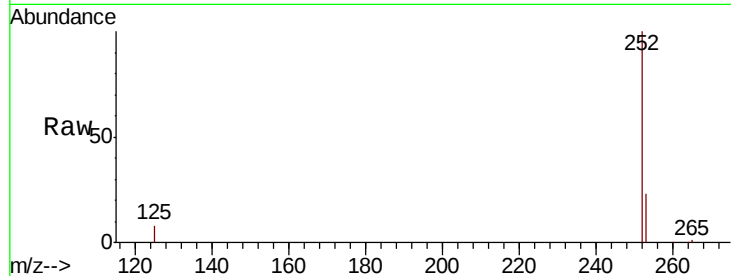
#23
Benzo(a)pyrene
Concen: 16.091 ng/ul
RT: 23.36 min Scan# 6710
Delta R.T. -0.01 min
Lab File: BM021888.D
Acq: 07 Aug 2019 09:52

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	31.7	47.5#
125	7.7	14.6	21.8#

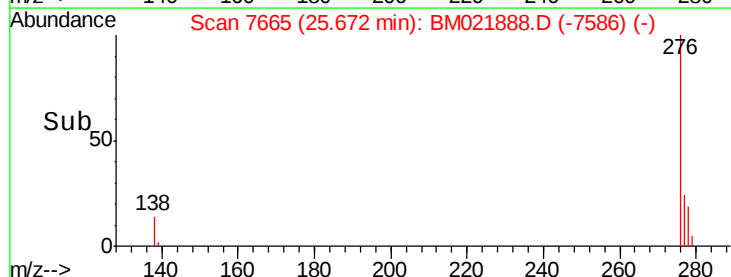
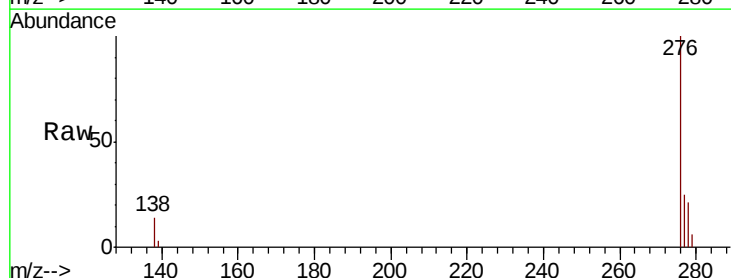
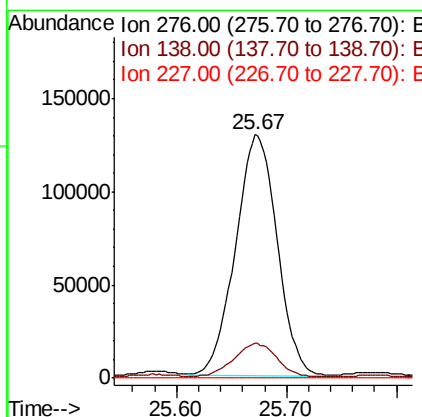
Manual Integrations
APPROVED

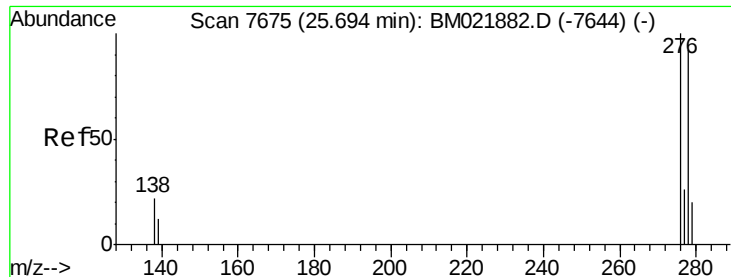
mohammad
8/7/2019 12:14:08 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 10.294 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.01 min
Lab File: BM021888.D
Acq: 07 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	15.1	22.7#
227	0.0	0.0	0.0





#25

Dibenzo(a,h)anthracene

Concen: 3.257 ng/ul m

RT: 25.68 min Scan# 7667

Delta R.T. -0.02 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Instrument :

BNA_M

ClientSampleId :

BEP11MSD

Tot Ion:278 Resp: 86948

Ion Ratio Lower Upper

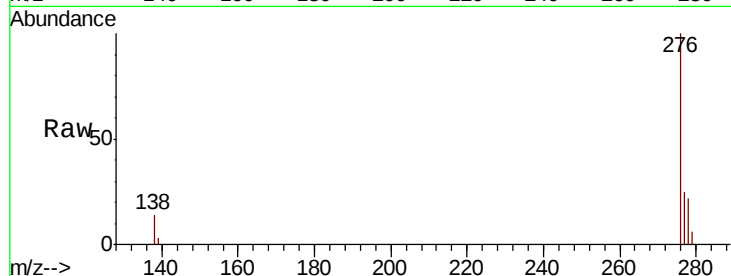
278 100

139 13.6 14.2 21.2#

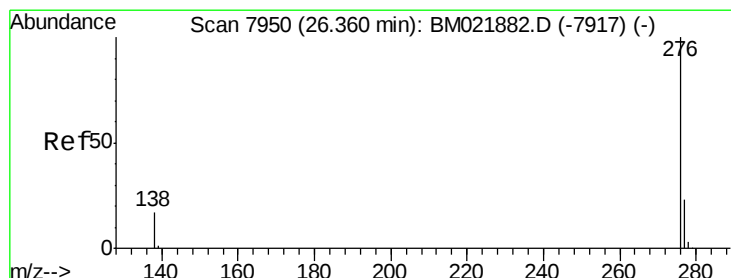
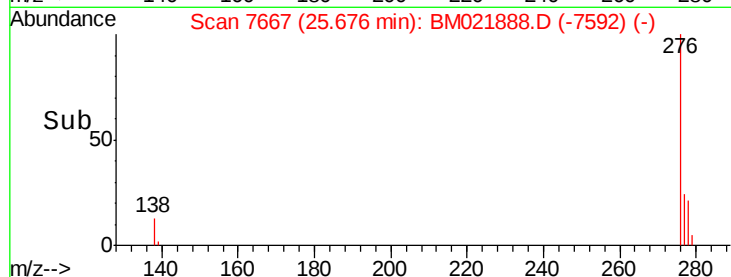
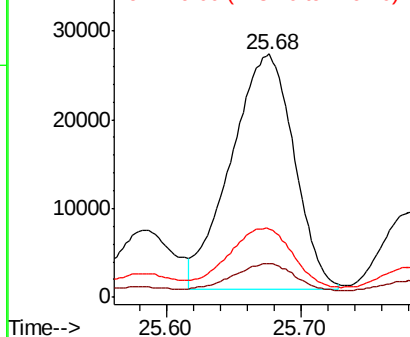
279 28.3 28.3 42.5#

Manual Integrations
APPROVED

mohammad
8/7/2019 12:14:08 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 9.597 ng/ul

RT: 26.36 min Scan# 7948

Delta R.T. -0.00 min

Lab File: BM021888.D

Acq: 07 Aug 2019 09:52

Tgt Ion:276 Resp: 285324

Ion Ratio Lower Upper

276 100

138 15.0 15.5 23.3#

277 24.5 21.4 32.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

