

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
 Data File : BM023103.D
 Acq On : 10 Oct 2019 04:06
 Operator : JU
 Sample : K5177-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEPA3

Manual Integrations
 APPROVED

mohammad
 10/11/2019 8:28:45 AM

Quant Time: Oct 10 05:40:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	189998	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	762134	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	425341	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.14	188	815637	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	794273	20.00	ng/ul	0.00
86) Perylene-d12	23.58	264	964318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	15291	3.48	ng/uL	0.00
5) Phenol-d5	6.94	99	254151	15.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	159864	17.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	234930	17.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	179295	13.04	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	112462	19.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	120356	18.74	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.18	165	217072	16.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	129882	8.36	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	647280	19.61	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	759947	19.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	66512	10.20	ng/ul	0.00
58) Fluorene-d10	15.40	176	596273	21.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	59710	11.25	ng/ul	0.00
71) Anthracene-d10	17.24	188	857586	21.53	ng/ul	0.00
79) Pyrene-d10	19.54	212	948404	22.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	1088789	21.83	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.96	94	38704	2.199	ng/ul 96
45) Dimethylphthalate	13.86	163	242041	7.138	ng/ul 100
48) Acenaphthylene	14.13	152	63151	1.535	ng/ul 98
70) Phenanthrene	17.19	178	621346	12.764	ng/ul 100
72) Anthracene	17.28	178	146482	2.953	ng/ul 99
75) Carbazole	17.54	167	53621	1.216	ng/ul 97
76) Di-n-butylphthalate	18.12	149	113044	2.175	ng/ul 99
77) Fluoranthene	19.20	202	1461167	26.689	ng/ul 99
80) Pyrene	19.57	202	1561938	27.741	ng/ul 99
83) Benzo(a)anthracene	21.31	228	884176	15.505	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.25	149	738166	22.436	ng/ul# 99
85) Chrysene	21.36	228	960022	18.260	ng/ul 98
88) Benzo(b)fluoranthene	22.90	252	1253041	19.581	ng/ul# 95
89) Benzo(k)fluoranthene	22.94	252	413637m	6.756	ng/ul
91) Benzo(a)pyrene	23.49	252	948241	15.794	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.85	276	657686	10.313	ng/ul 97
93) Dibenzo(a,h)anthracene	25.86	278	176873	3.316	ng/ul# 88
94) Benzo(g,h,i)perylene	26.56	276	630987	12.264	ng/ul 98

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

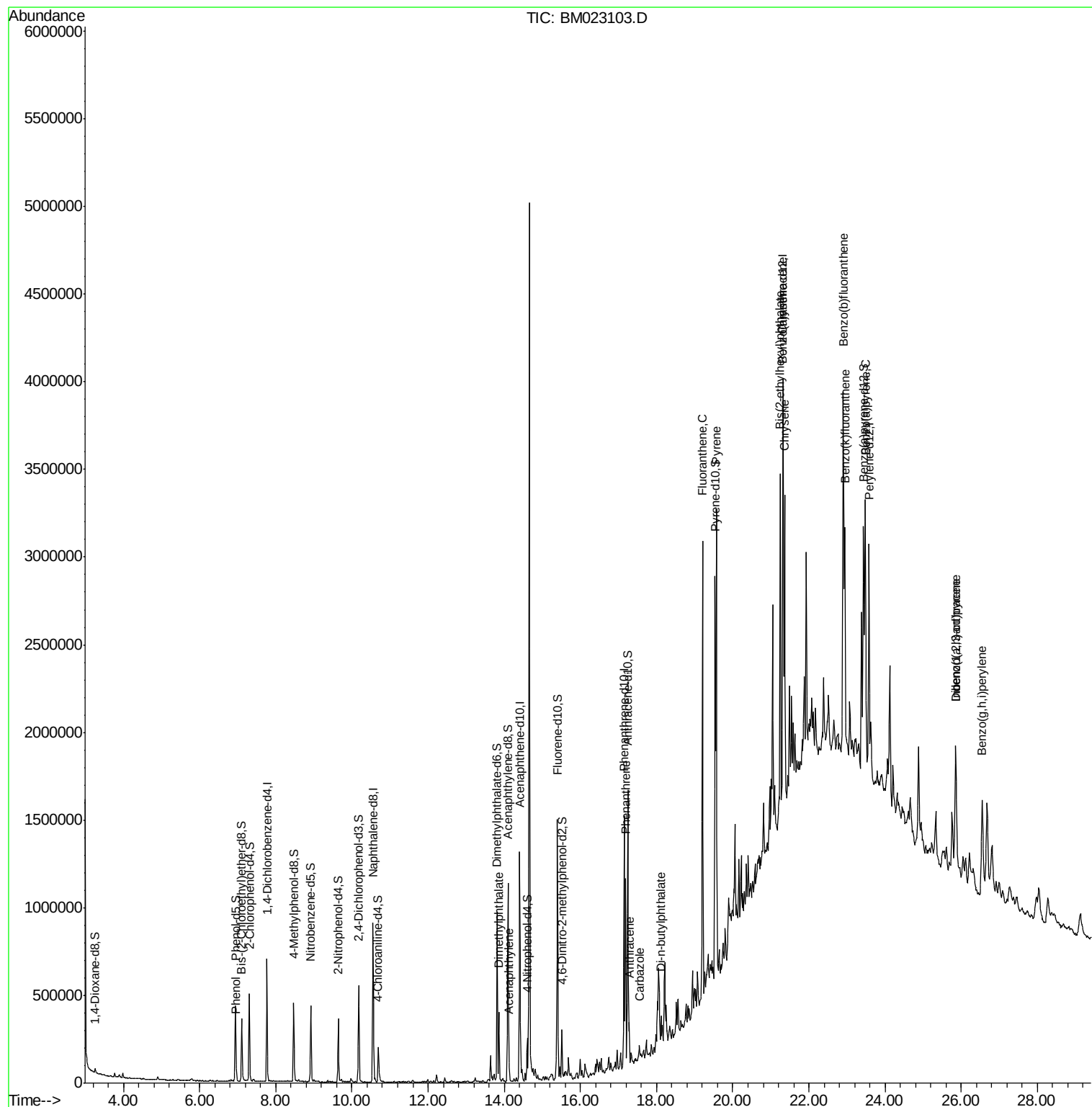
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023103.D
Acq On : 10 Oct 2019 04:06
Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

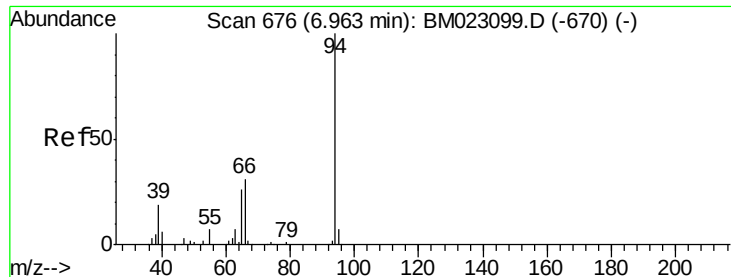
Instrument :
BNA_M
ClientSampled :
BEP3

Quant Time: Oct 10 05:40:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

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#6

Phenol

Concen: 2.199 ng/ul

RT: 6.96 min Scan# 676

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

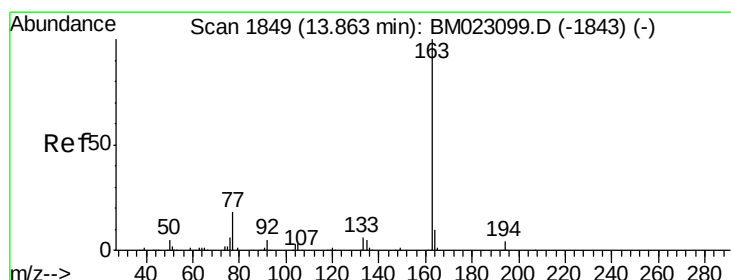
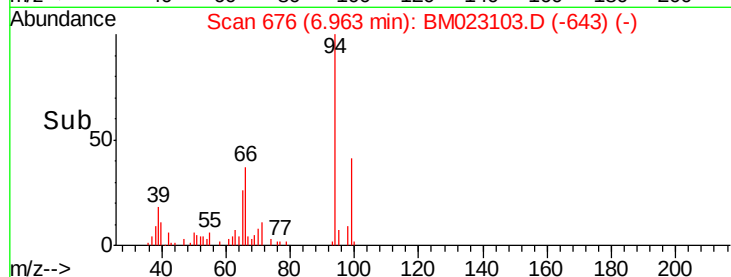
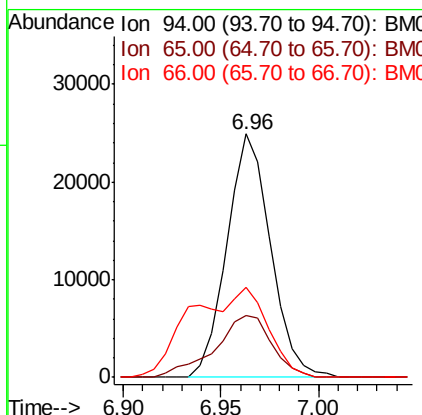
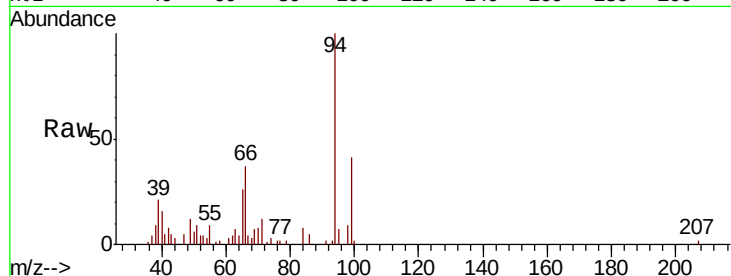
ClientSampleId :

BEPA3

Tot Ion:	94	Resp:	38704
Ion	Ratio	Lower	Upper
94	100		
65	25.5	20.9	31.3
66	37.2	27.2	40.8

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#45

Dimethylphthalate

Concen: 7.138 ng/ul

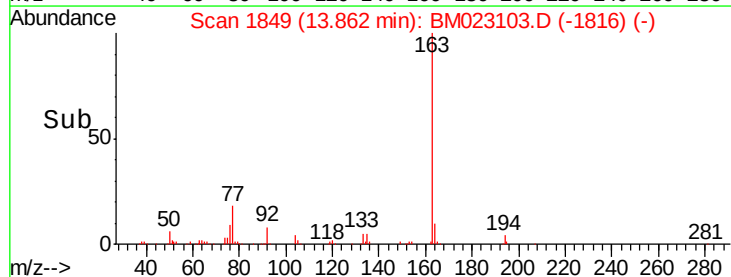
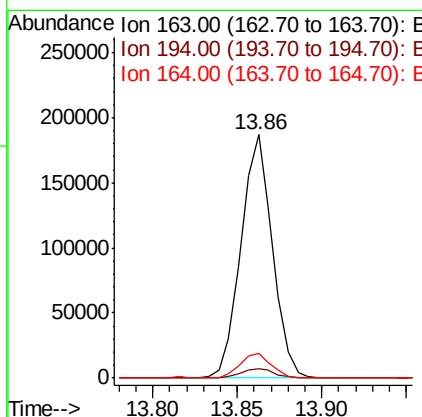
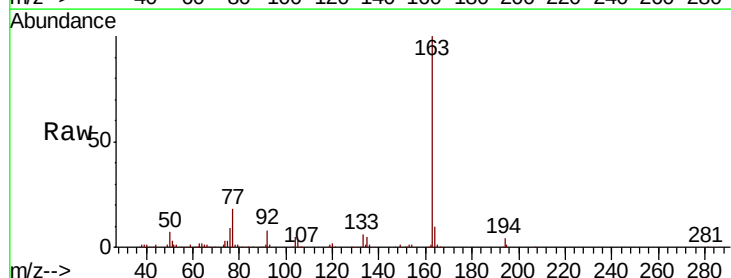
RT: 13.86 min Scan# 1849

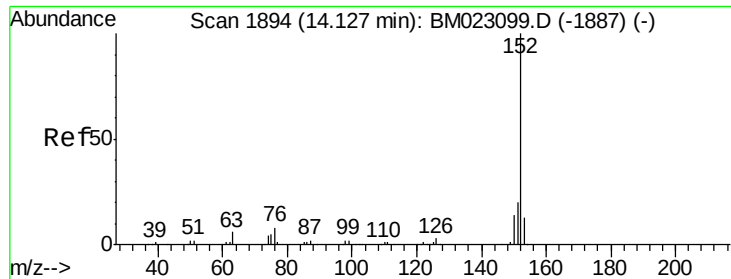
Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Tgt Ion:	163	Resp:	242041
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.0	8.1	12.1





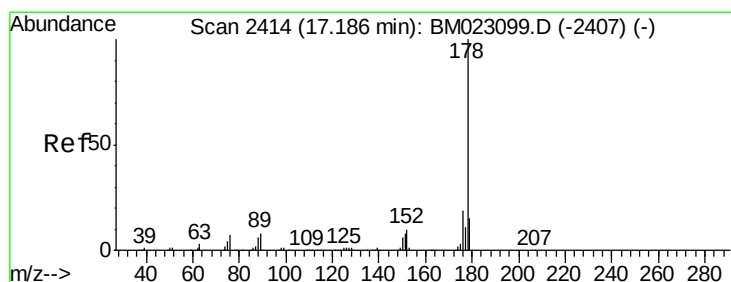
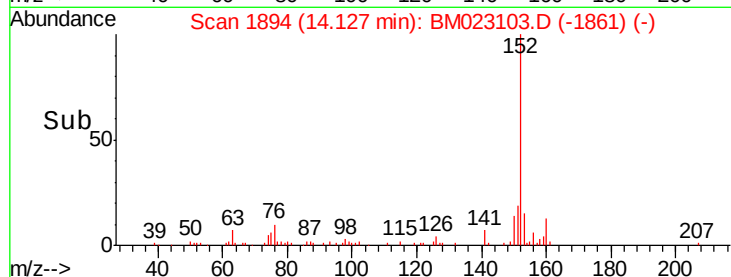
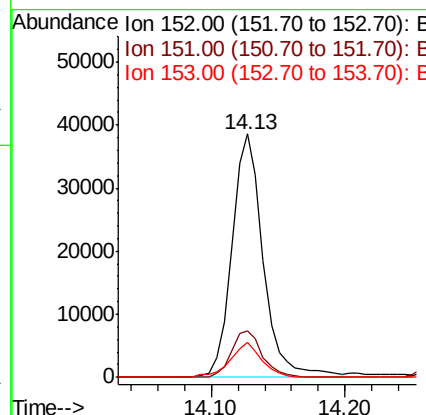
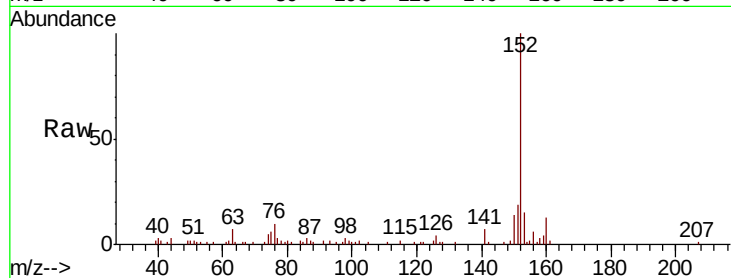
#48
Acenaphthylene
Concen: 1.535 ng/ul
RT: 14.13 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Instrument :
BNA_M
ClientSampled :
BEP A3

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.0	24.0
153	14.5	10.6	16.0

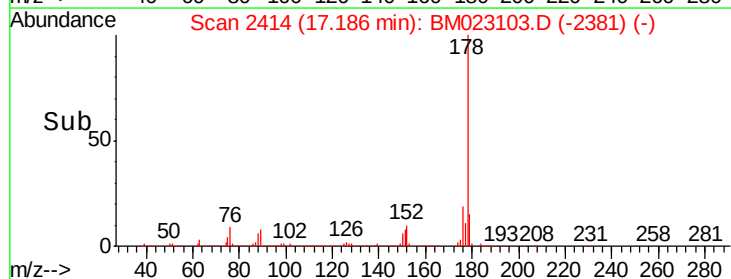
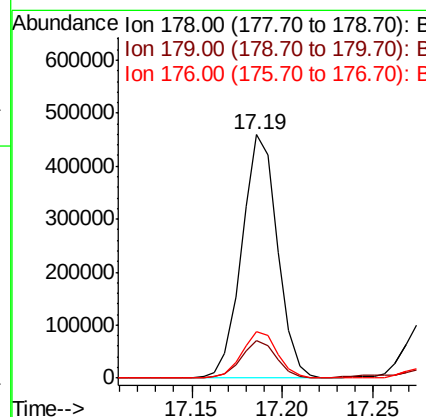
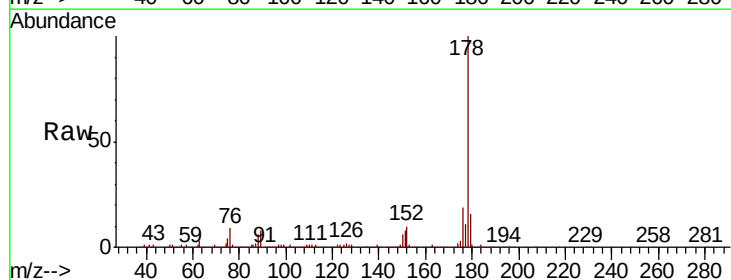
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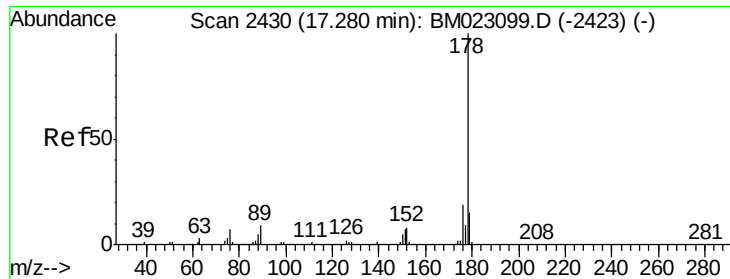
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#70
Phenanthrene
Concen: 12.764 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.1	15.3	22.9





#72

Anthracene

Concen: 2.953 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

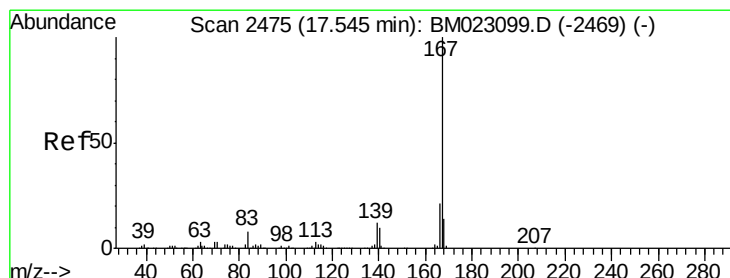
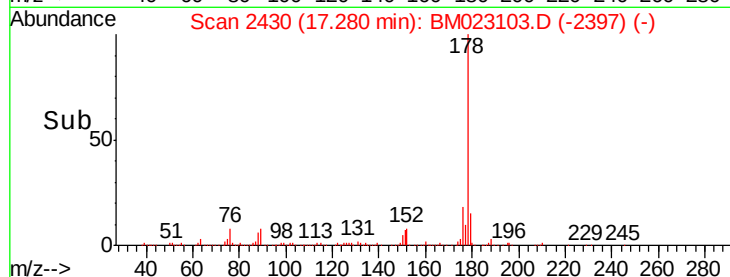
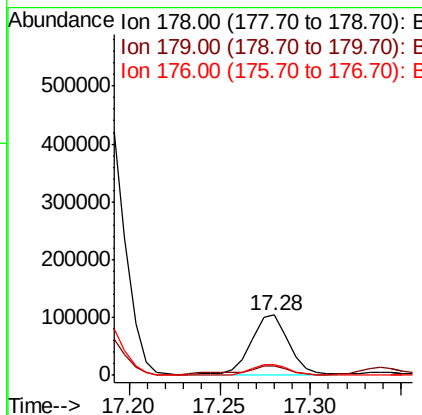
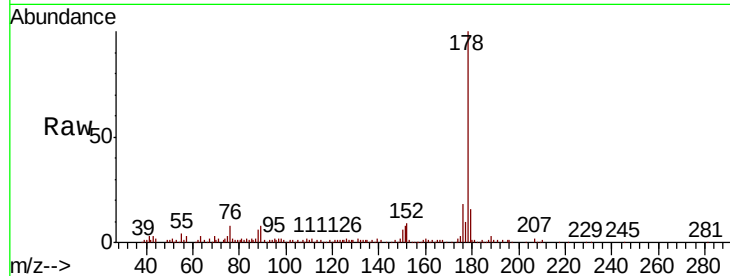
ClientSampleId :

BEPA3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.2	15.0	22.6

Manual Integrations
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#75

Carbazole

Concen: 1.216 ng/ul

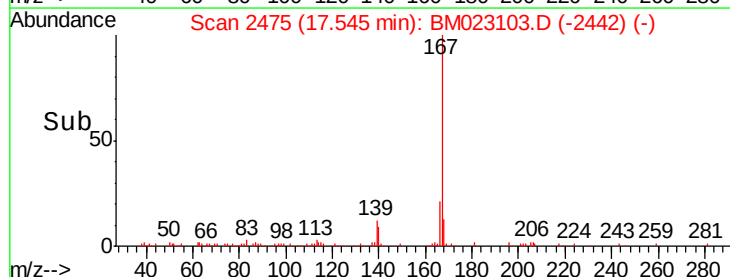
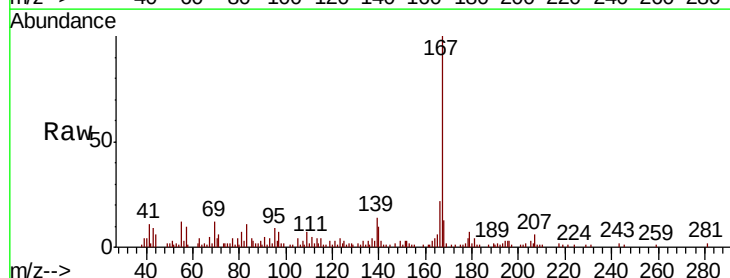
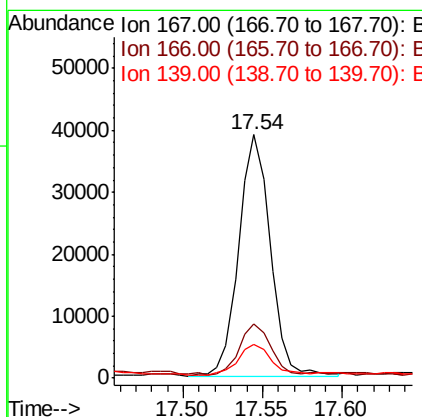
RT: 17.54 min Scan# 2475

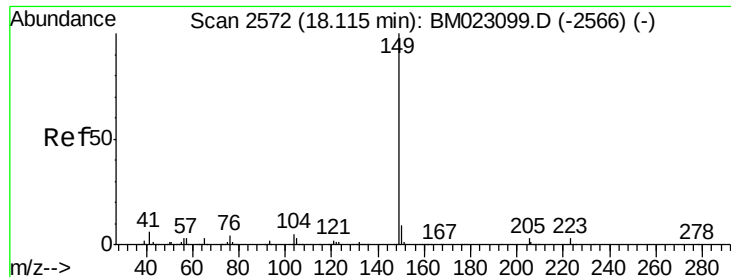
Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.1	25.7
139	13.7	9.9	14.9





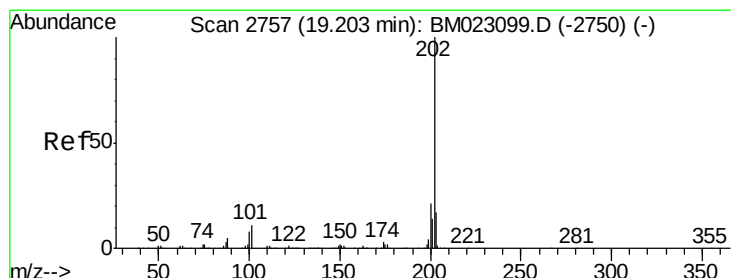
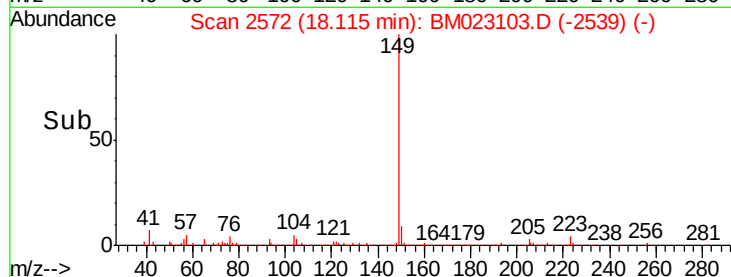
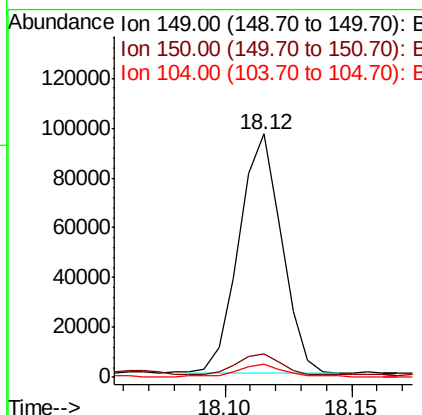
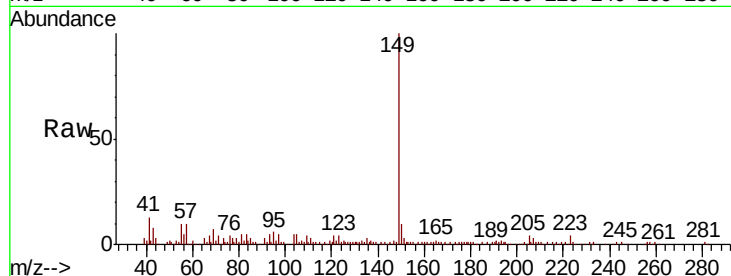
#76
Di-n-butylphthalate
Concen: 2.175 ng/ul
RT: 18.12 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Instrument :
BNA_M
ClientSampleId :
BEP3

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.0
104	5.3	3.7	5.5

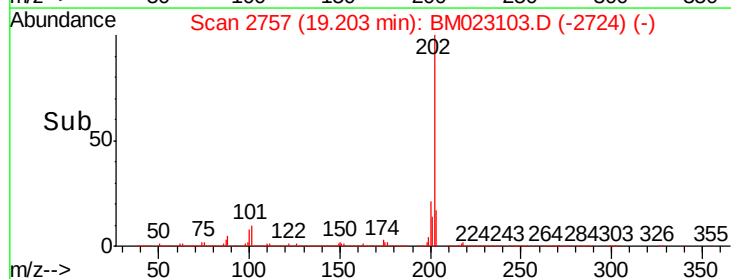
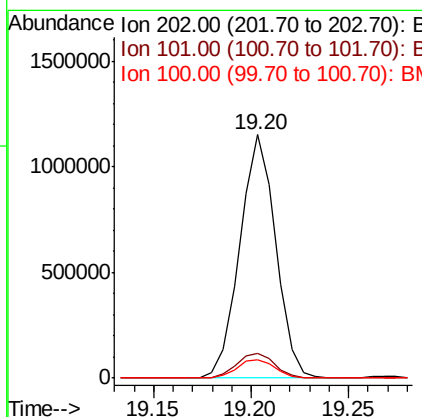
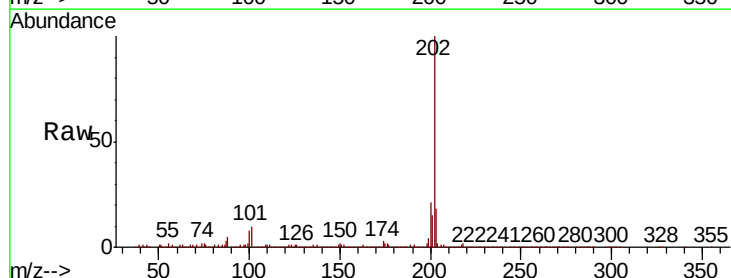
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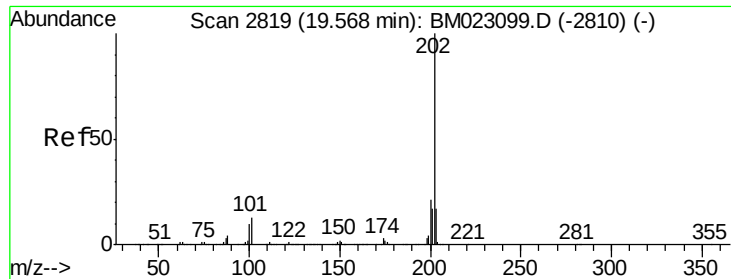
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#77
Fluoranthene
Concen: 26.689 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.6	12.8
100	7.7	6.4	9.6





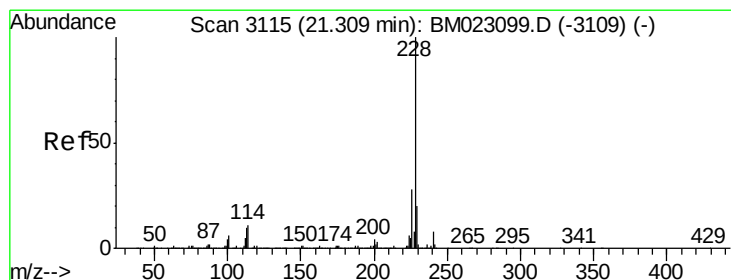
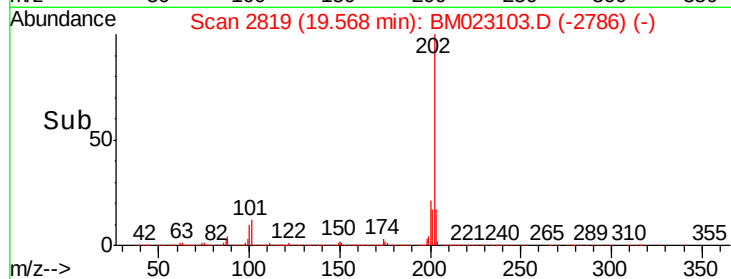
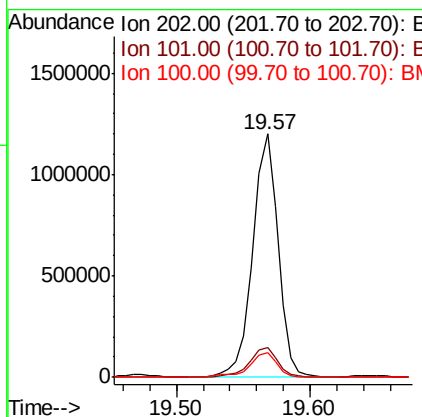
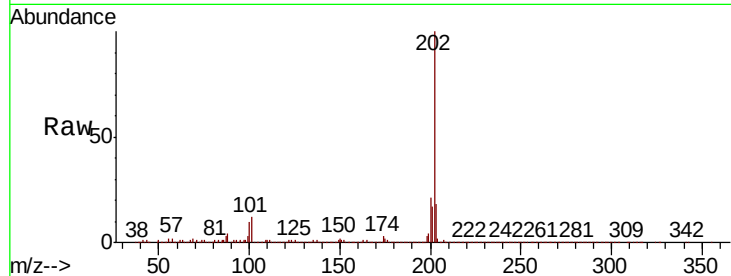
#80
Pvrene
Concen: 27.741 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Instrument :
BNA_M
ClientSampleId :
BEP3

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
100	10.0	7.8	11.8

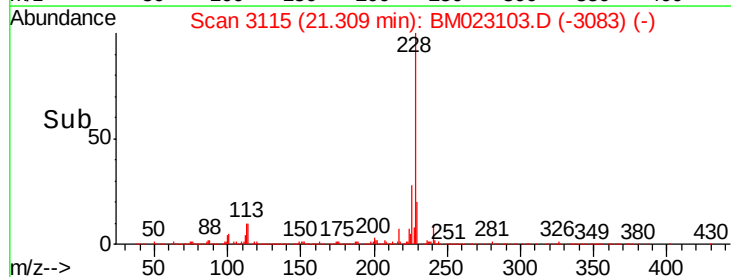
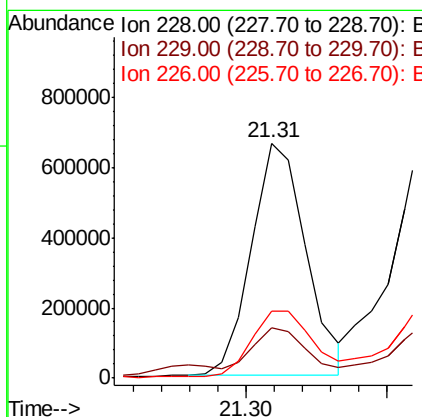
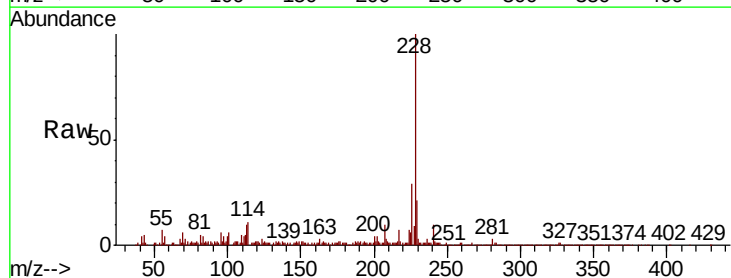
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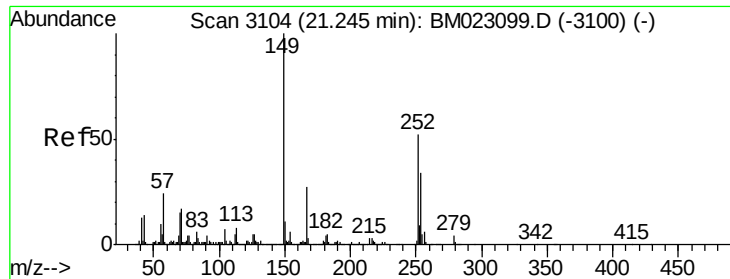
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#83
Benzo(a)anthracene
Concen: 15.505 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	28.6	22.4	33.6





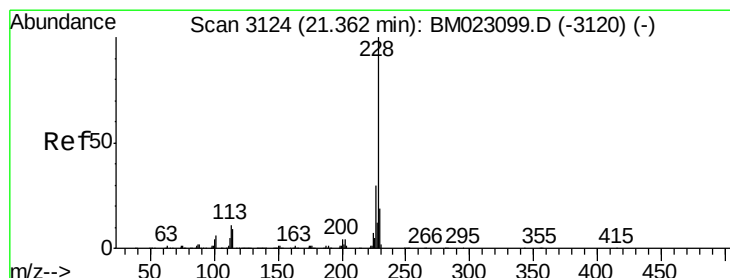
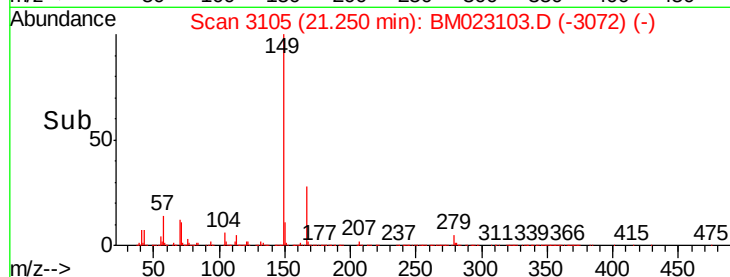
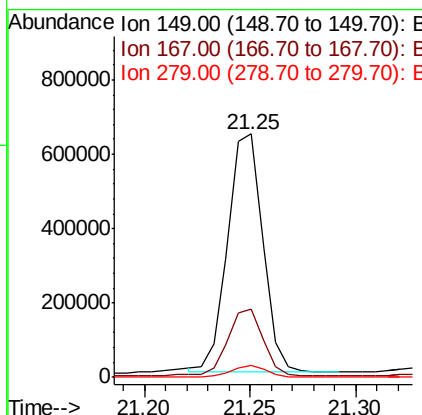
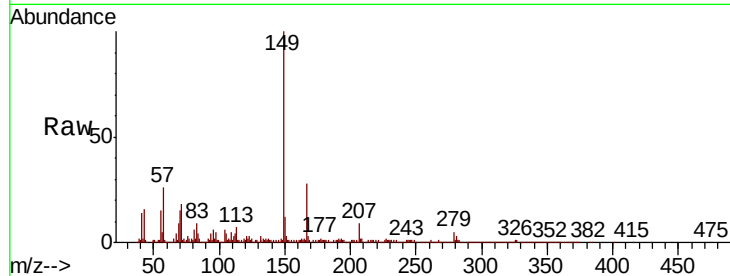
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 22.436 ng/ul
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BM023103.D
 Acq: 10 Oct 2019 04:06

Instrument :
 BNA_M
 ClientSampleId :
 BEPA3

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	28.1	22.1	33.1
279	4.9	3.3	4.9#

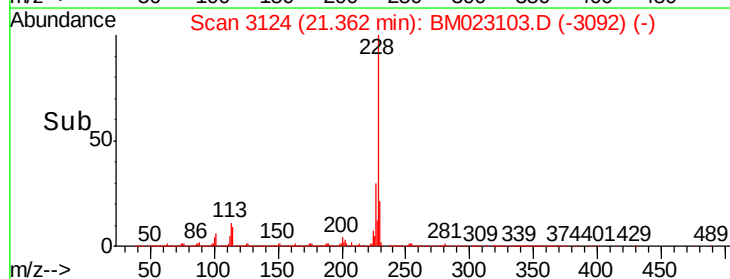
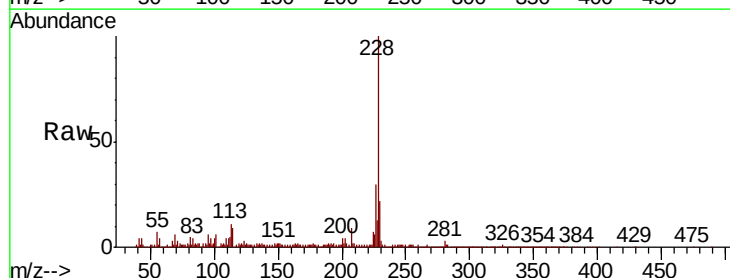
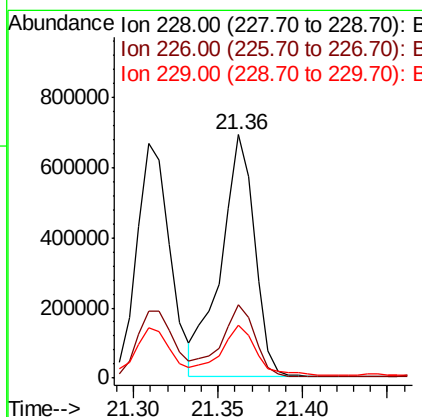
Manual Integrations
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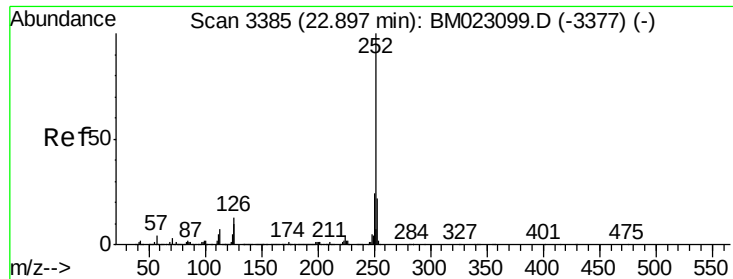
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#85
 Chrysene
 Concen: 18.260 ng/ul
 RT: 21.36 min Scan# 3124
 Delta R.T. -0.01 min
 Lab File: BM023103.D
 Acq: 10 Oct 2019 04:06

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	24.2	36.4
229	21.6	15.9	23.9





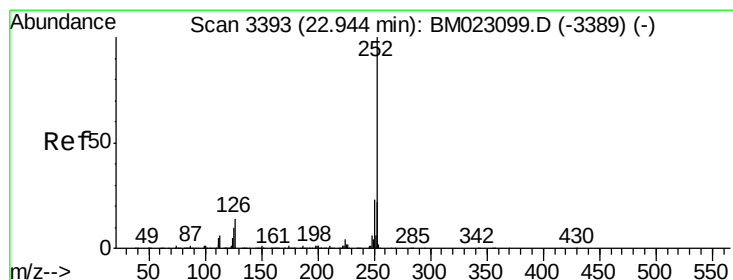
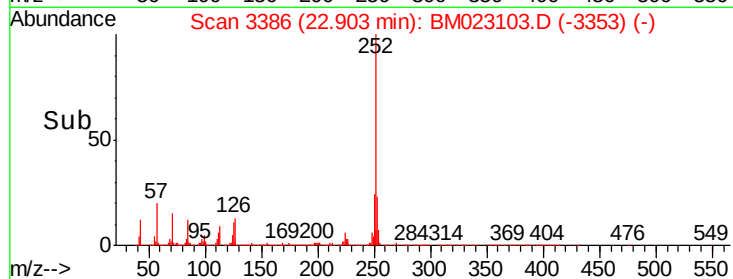
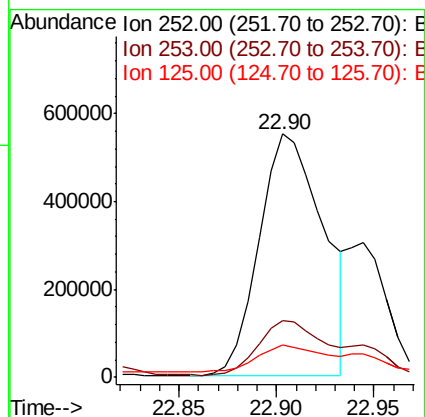
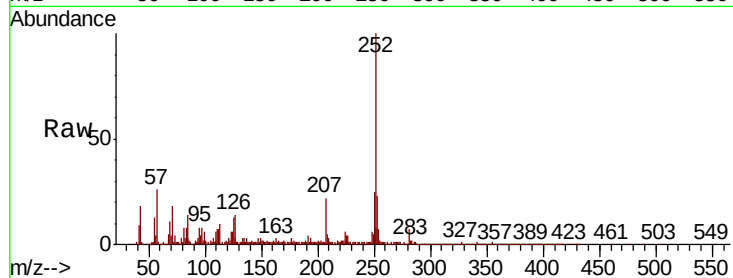
#88
Benzo(b)fluoranthene
Concen: 19.581 ng/ul
RT: 22.90 min Scan# 3386
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Instrument :
BNA_M
ClientSampleId :
BEP3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	13.3	8.2	12.2

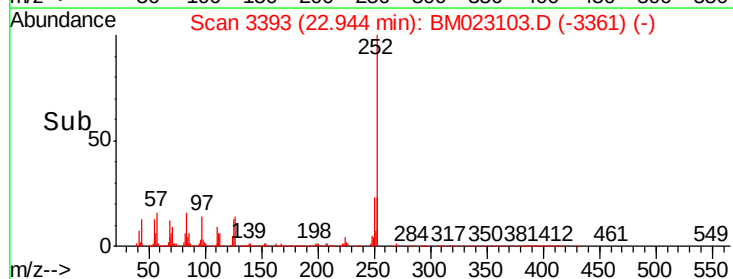
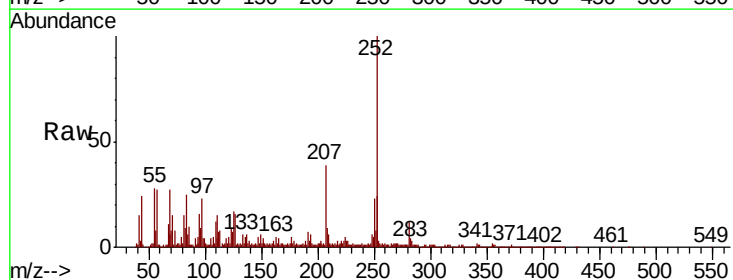
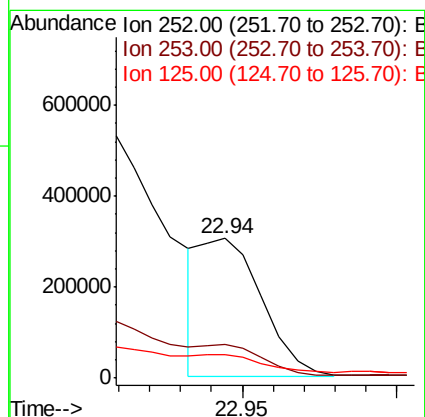
Manual Integrations
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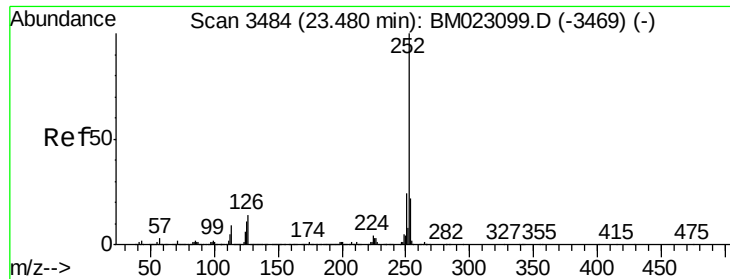
mohammad
10/11/2019 8:28:45 AM



#89
Benzo(k)fluoranthene
Concen: 6.756 ng/ul m
RT: 22.94 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	17.1	7.9	11.9





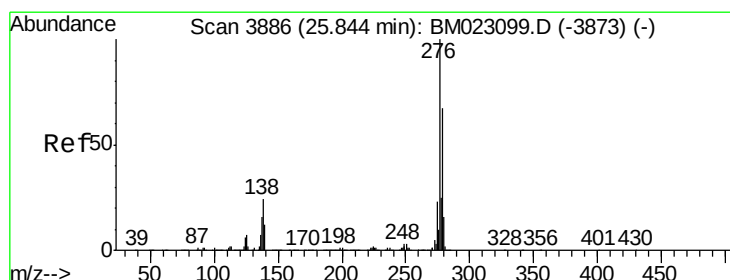
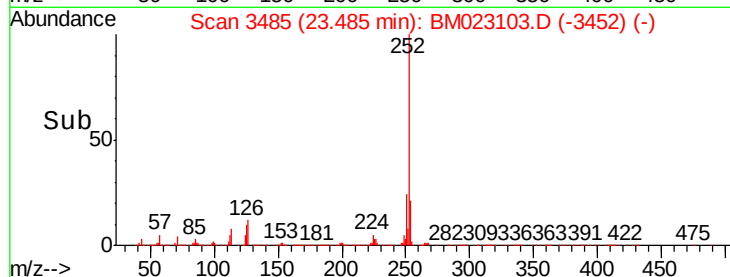
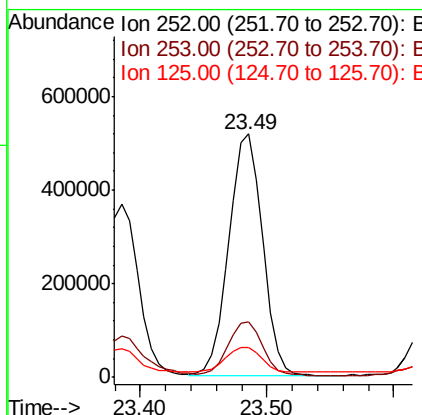
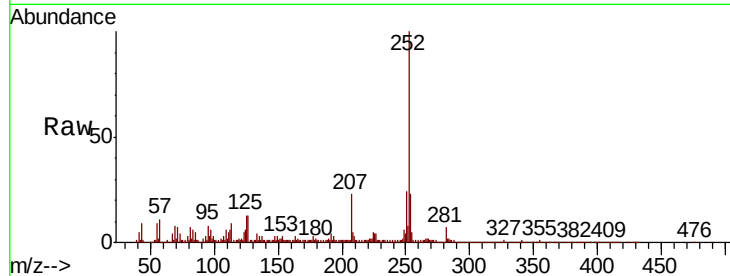
#91
Benzo(a)pyrene
Concen: 15.794 ng/ul
RT: 23.49 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Instrument :
BNA_M
ClientSampleId :
BEP3

Tot Ion:	252	Resp:	948241
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	12.5	8.7	13.1

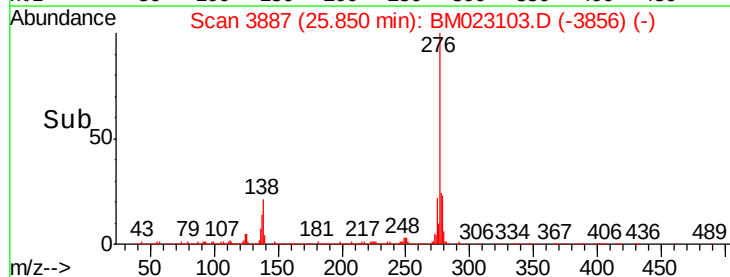
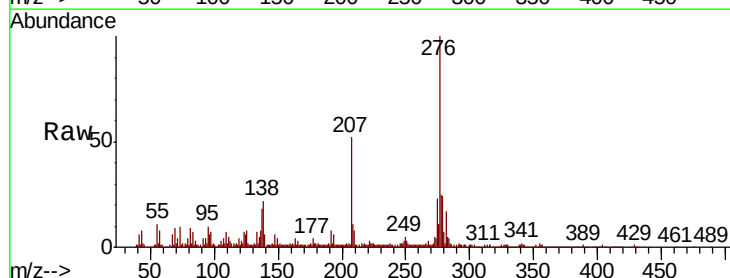
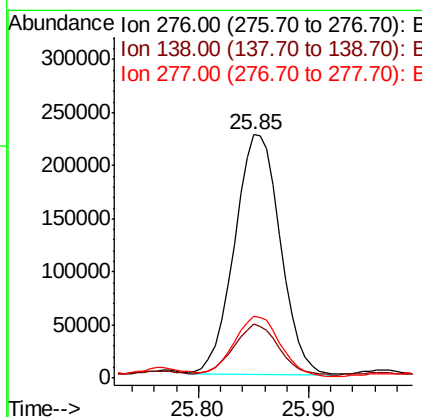
Manual Integrations
APPROVED

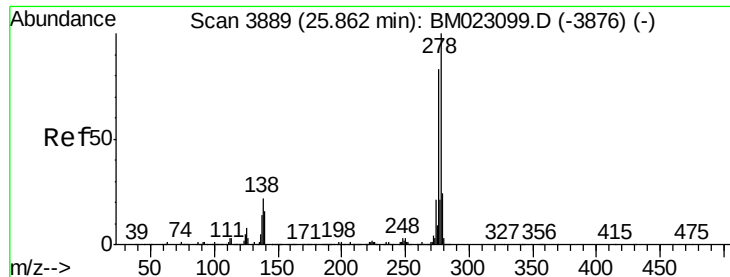
mohammad
10/11/2019 8:28:45 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 10.313 ng/ul
RT: 25.85 min Scan# 3887
Delta R.T. -0.02 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Tgt Ion:	276	Resp:	657686
Ion Ratio	Lower	Upper	
276	100		
138	22.2	19.8	29.8
277	25.2	20.3	30.5





#93

Dibenzo(a,h)anthracene

Concen: 3.316 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

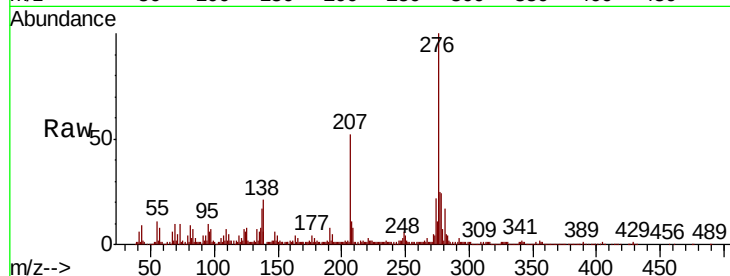
ClientSampleId :

BEPA3

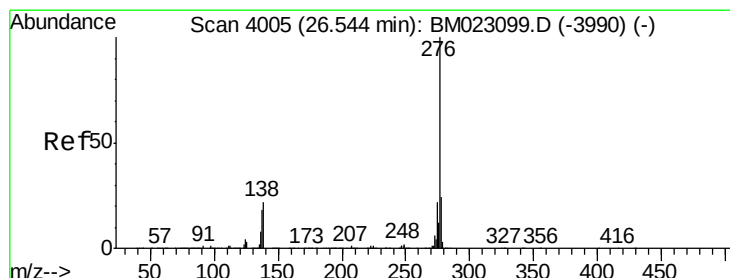
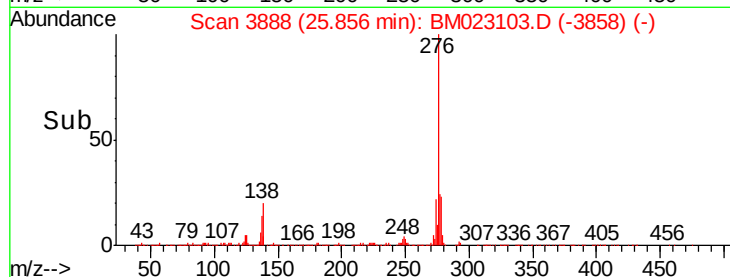
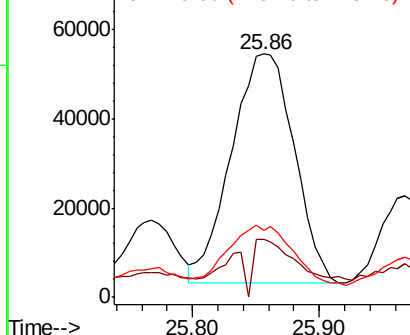
Tot Ion:	278	Resp:	176873
Ion Ratio	Lower	Upper	
278	100		
139	23.7	13.2	19.8#
279	27.7	19.0	28.6

Manual Integrations
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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



#94

Benzo(g,h,i)perylene

Concen: 12.264 ng/ul

RT: 26.56 min Scan# 4007

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Tgt Ion:	276	Resp:	630987
Ion Ratio	Lower	Upper	
276	100		
138	21.2	17.6	26.4
277	24.8	19.1	28.7

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

