

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052620\
 Data File : BM026134.D
 Acq On : 27 May 2020 03:59
 Operator : MA/SJ
 Sample : L2756-08 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETKX0

Manual Integrations
 APPROVED

mohammad
 5/27/2020 11:47:58 AM

Quant Time: May 27 08:47:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 26 11:15:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	160038	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	658297	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.13	164	389936	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	823182	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	841099	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	892717	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	13680	2.58	ng/uL	0.00
5) Phenol-d5	6.68	99	43507	3.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	139826	13.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	129543	11.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	80144	7.33	ng/ul	-0.01
19) Nitrobenzene-d5	8.63	128	82624	15.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	84949	16.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.88	165	145994	13.70	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.55	166	509224	16.28	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	599067	16.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	13605	2.46	ng/ul	0.00
58) Fluorene-d10	15.13	176	446202	16.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	63232	13.17	ng/ul	0.00
71) Anthracene-d10	16.98	188	700276	17.26	ng/ul	0.00
79) Pyrene-d10	19.28	212	773574	17.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	719456	15.14	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.30	128	9705380	241.13	ng/ul	99
34) 2-Methylnaphthalene	11.92	142	1642809	60.68	ng/ul	98
41) 1,1'-Biphenyl	12.96	154	549627	15.89	ng/ul	98
45) Dimethylphthalate	13.60	163	129086	3.93	ng/ul	99
48) Acenaphthylene	13.84	152	2234066	54.93	ng/ul	98
50) Acenaphthene	14.19	153	145128	5.06	ng/ul	97
59) Fluorene	15.19	166	809631	24.83	ng/ul	100
70) Phenanthrene	16.93	178	4519125	87.15	ng/ul	99
72) Anthracene	17.01	178	1254529	24.11	ng/ul	98
77) Fluoranthene	18.94	202	2217169	40.76	ng/ul	99
80) Pyrene	19.31	202	3306118	55.99	ng/ul	98
83) Benzo(a)anthracene	21.06	228	912621m	15.74	ng/ul	
85) Chrysene	21.12	228	738405	12.81	ng/ul	98
88) Benzo(b)fluoranthene	22.57	252	756937	12.54	ng/ul	98
89) Benzo(k)fluoranthene	22.61	252	178251m	2.96	ng/ul	
91) Benzo(a)pyrene	23.10	252	925476	17.42	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.27	276	419558	6.08	ng/ul	95
93) Dibenzo(a,h)anthracene	25.27	278	80749	1.38	ng/ul#	83
94) Benzo(g,h,i)perylene	25.90	276	540210	9.38	ng/ul	98

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

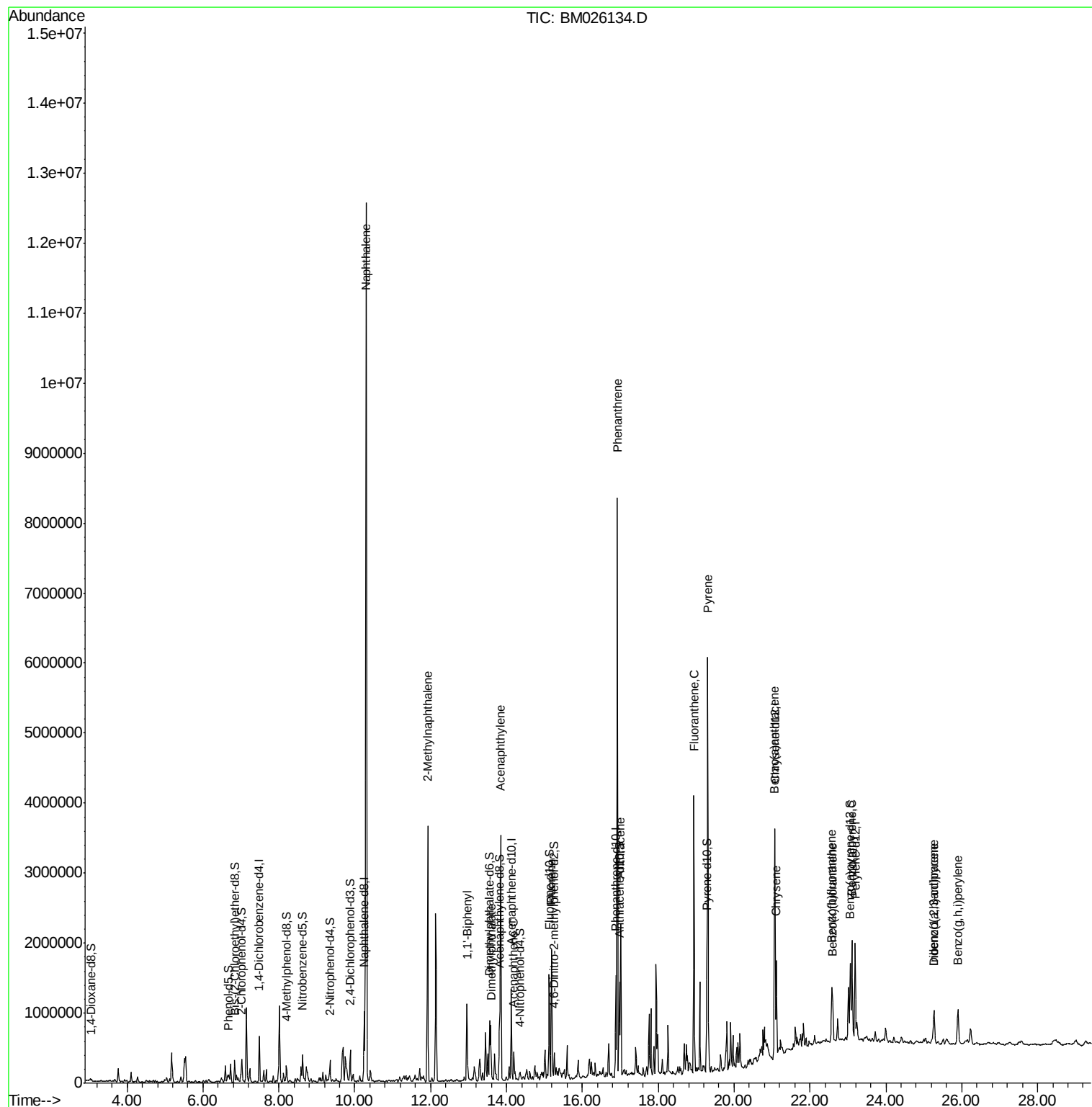
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052620\
Data File : BM026134.D
Acq On : 27 May 2020 03:59
Operator : MA/SJ
Sample : L2756-08 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

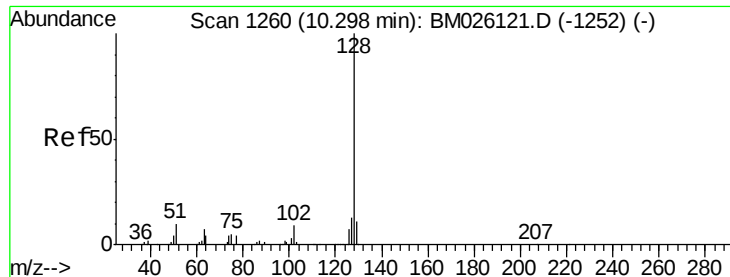
Instrument :
BNA_M
ClientSampleId :
ETKX0

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
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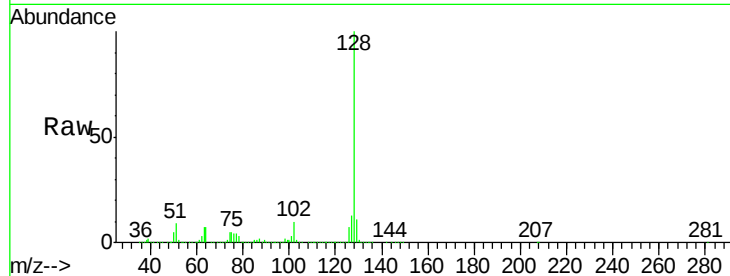
#28
Naphthalene
Concen: 241.13 ng/ul
RT: 10.30 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Instrument :
BNA_M
ClientSampleId :
ETKX0

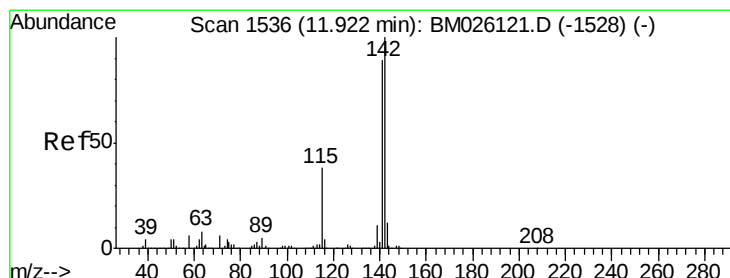
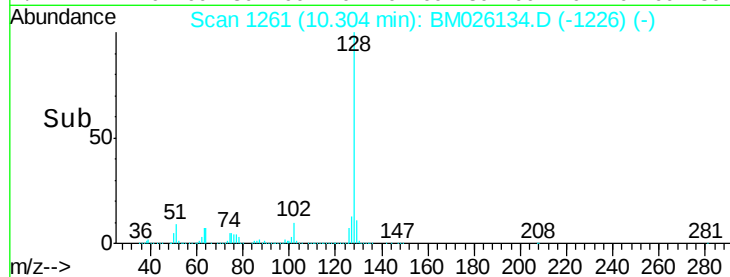
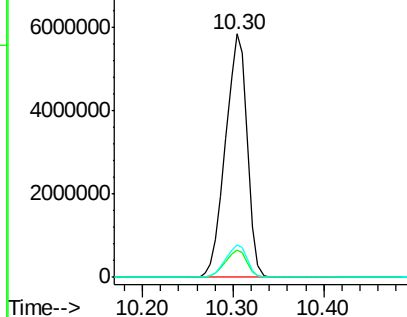
Tgt Ion:128 Resp: 9705380
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.5 10.6 15.8

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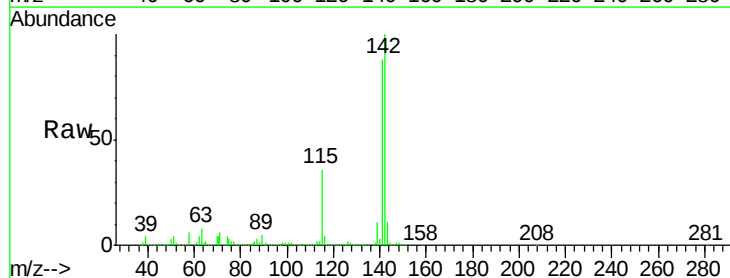


Abundance Ion 128.00 (127.70 to 128.70): E
8000000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

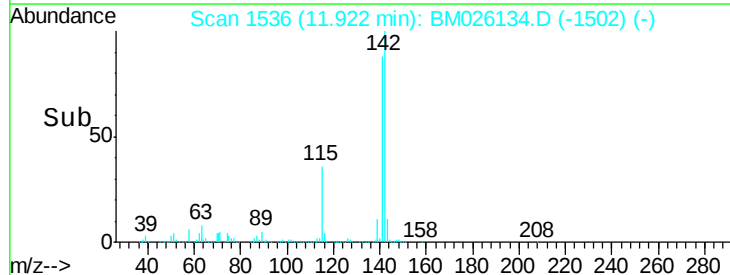
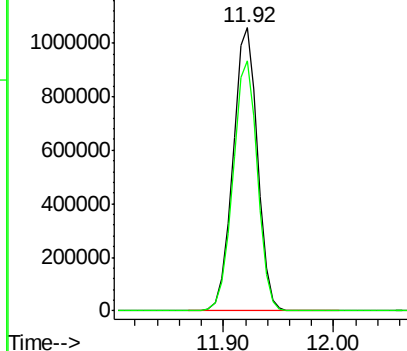


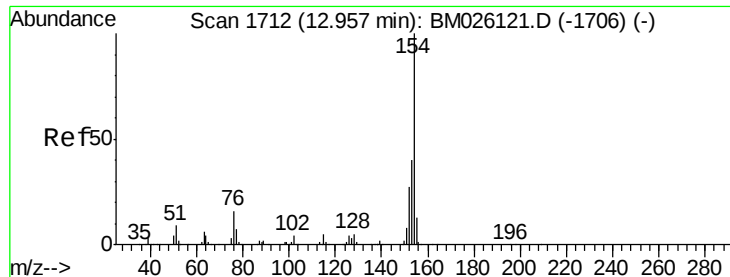
#34
2-Methylnaphthalene
Concen: 60.68 ng/ul
RT: 11.92 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion:142 Resp: 1642809
Ion Ratio Lower Upper
142 100
141 88.2 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E
1200000
Ion 141.00 (140.70 to 141.70): E





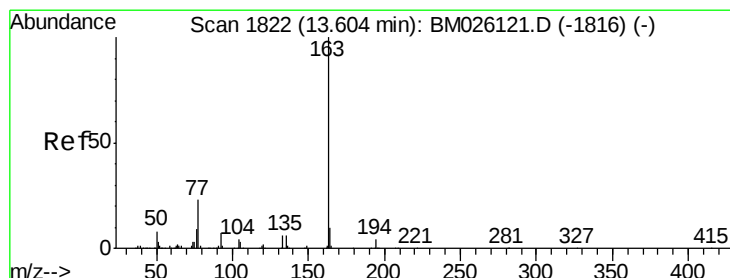
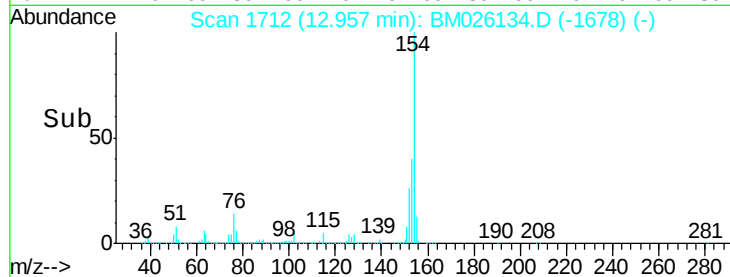
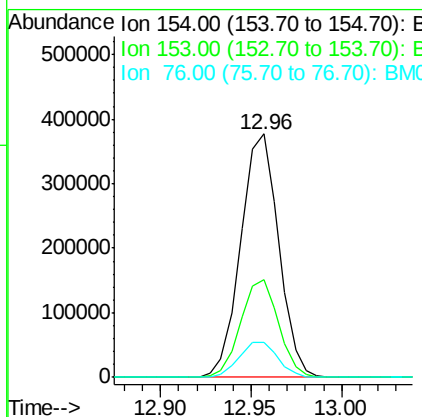
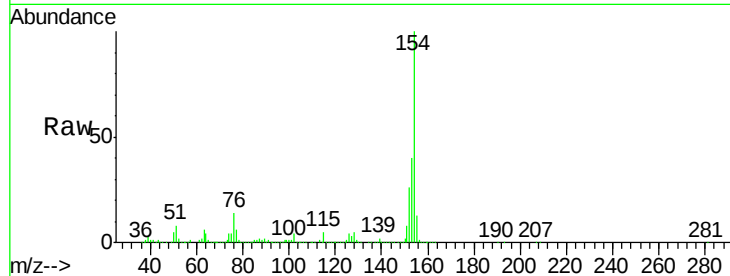
#41
 1,1'-Biphenyl
 Concen: 15.89 ng/ul
 RT: 12.96 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Instrument :
 BNA_M
 ClientSampleId :
 ETKX0

Tgt Ion:	154	Resp:	549627
Ion Ratio	Lower	Upper	
154	100		
153	39.9	32.3	48.5
76	14.1	13.0	19.6

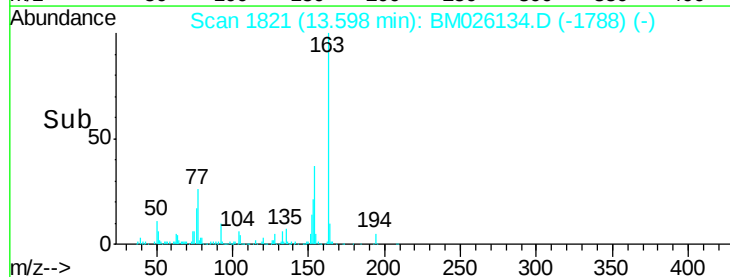
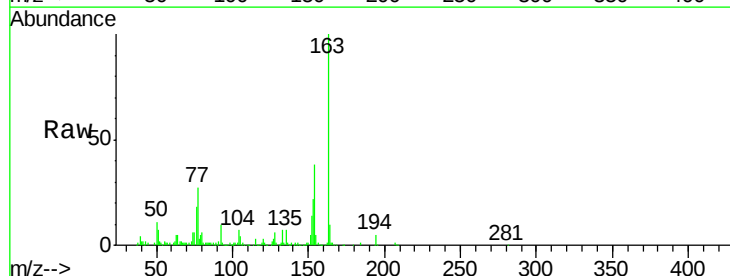
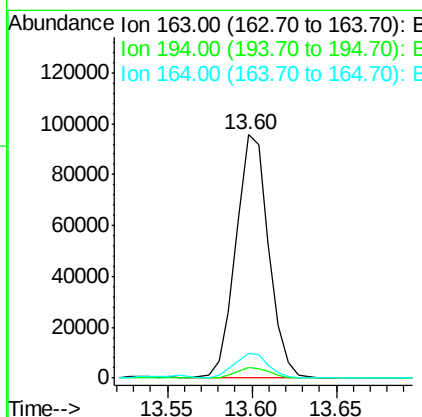
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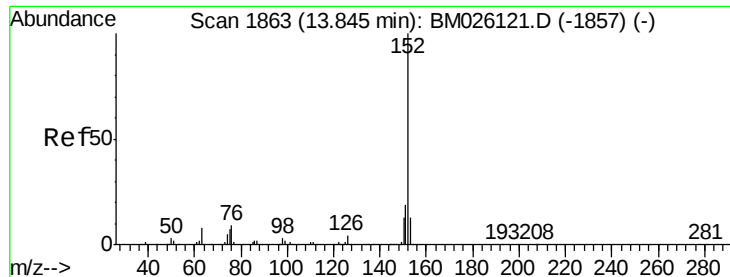
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#45
 Dimethylphthalate
 Concen: 3.93 ng/ul
 RT: 13.60 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Tgt Ion:	163	Resp:	129086
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.2	4.8
164	10.1	8.0	12.0





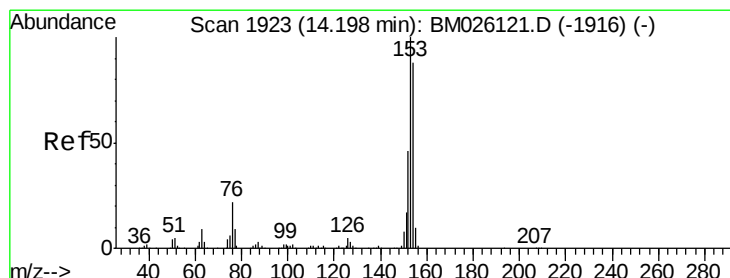
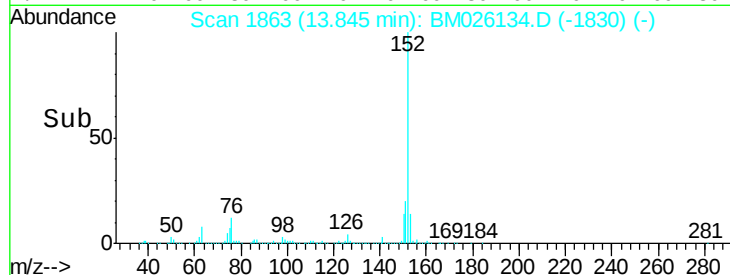
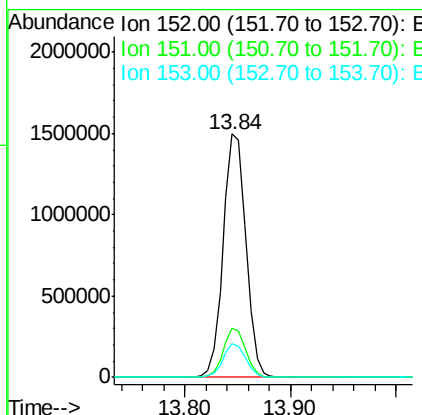
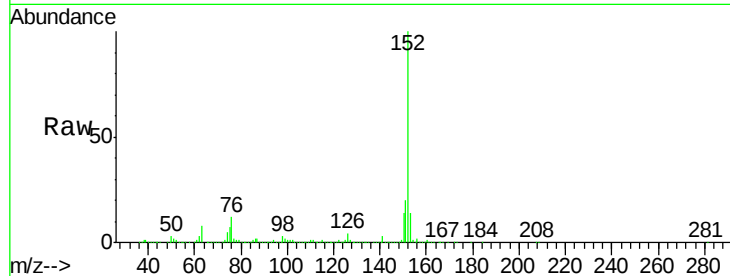
#48
Acenaphthylene
Concen: 54.93 ng/u1
RT: 13.84 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Instrument :
BNA_M
ClientSampleId :
ETKX0

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.6	10.2	15.2

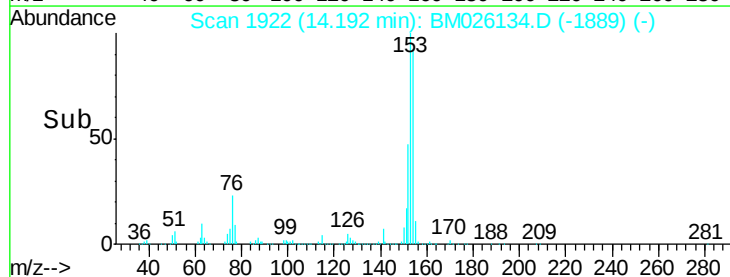
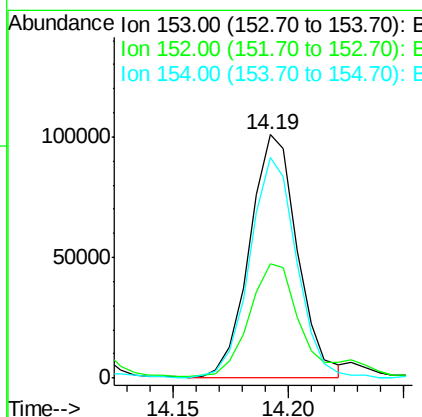
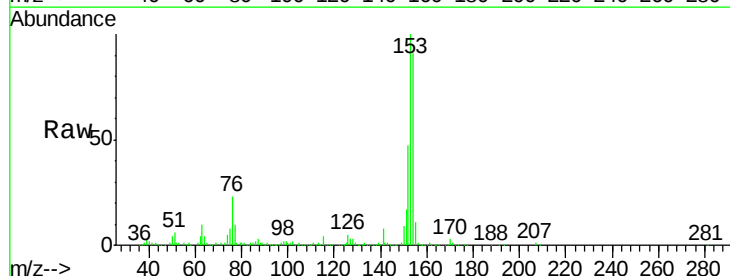
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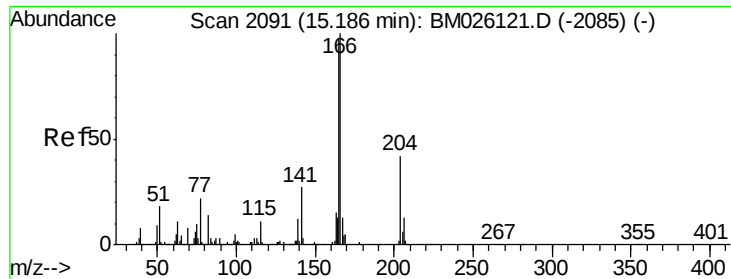
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#50
Acenaphthene
Concen: 5.06 ng/u1
RT: 14.19 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.2	55.8
154	90.8	69.8	104.8





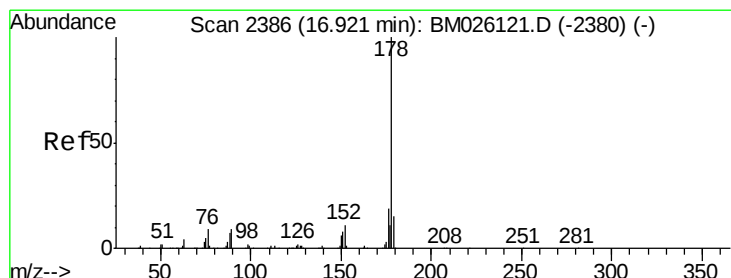
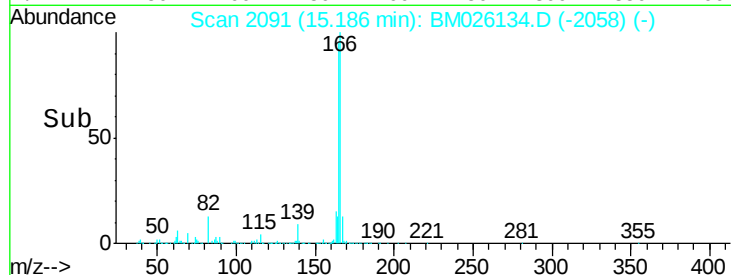
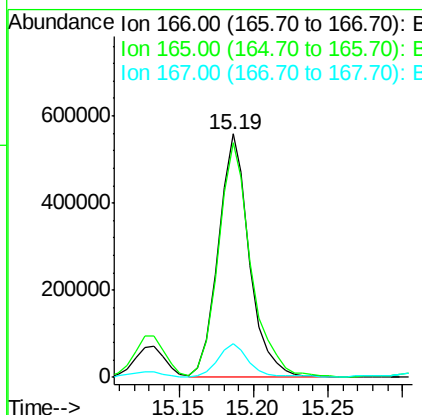
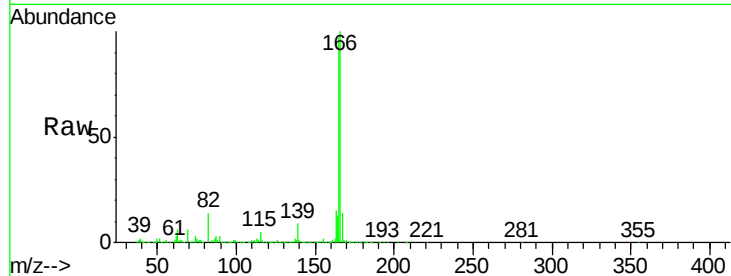
#59
Fluorene
 Concen: 24.83 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Instrument :
 BNA_M
 ClientSampleId :
 ETKX0

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	809631		
165	96.6	77.3	115.9	
167	13.7	10.6	16.0	

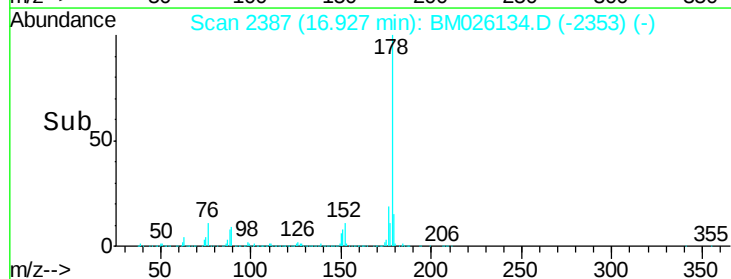
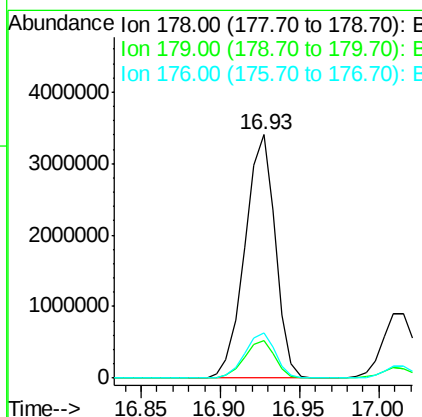
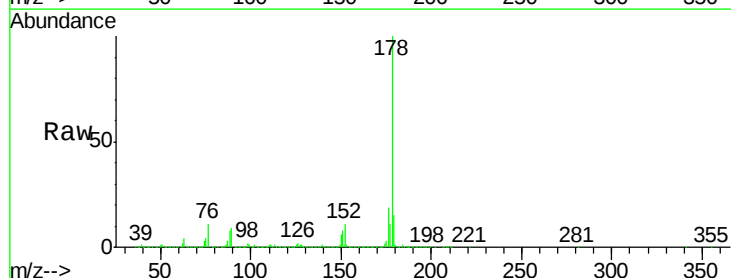
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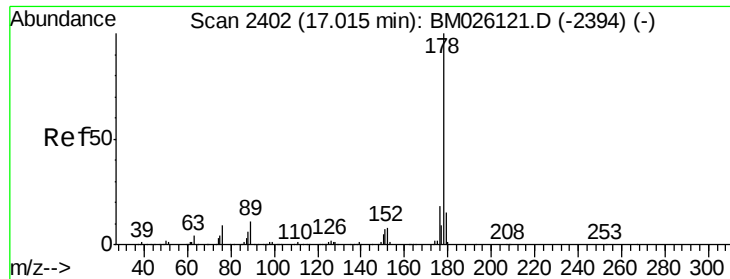
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#70
Phenanthrene
 Concen: 87.15 ng/ul
 RT: 16.93 min Scan# 2387
 Delta R.T. -0.00 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4519125		
179	15.2	11.9	17.9	
176	18.8	14.9	22.3	





#72

Anthracene

Concen: 24.11 ng/ul

RT: 17.01 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampleId :

ETKX0

Tgt Ion:178 Resp: 1254529

Ion Ratio Lower Upper

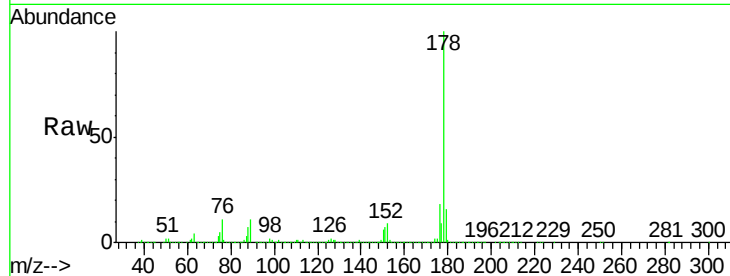
178 100

179 15.7 12.2 18.4

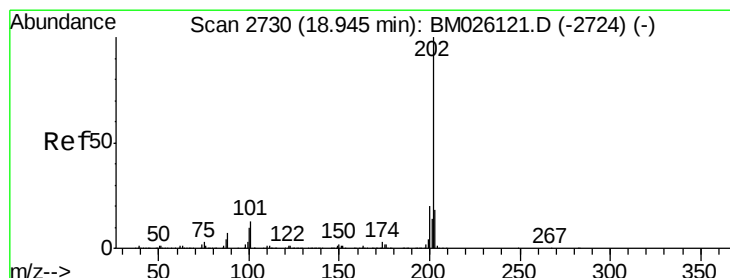
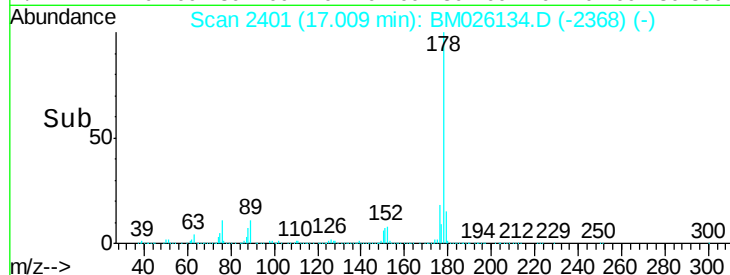
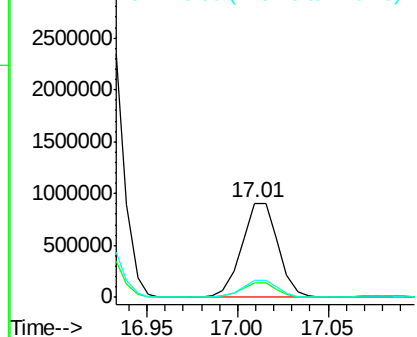
176 17.6 14.9 22.3

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 40.76 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. -0.00 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

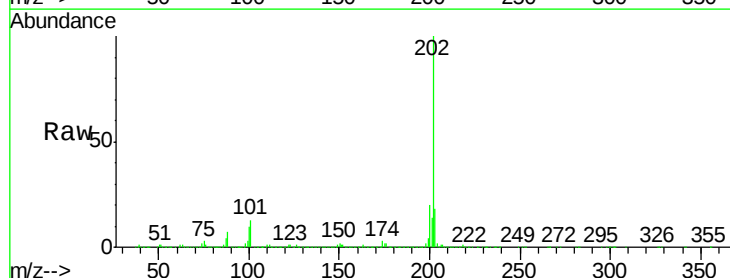
Tgt Ion:202 Resp: 2217169

Ion Ratio Lower Upper

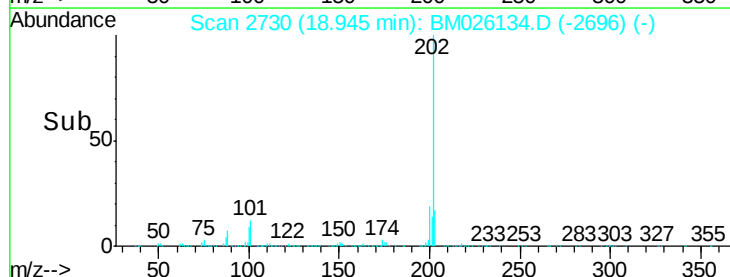
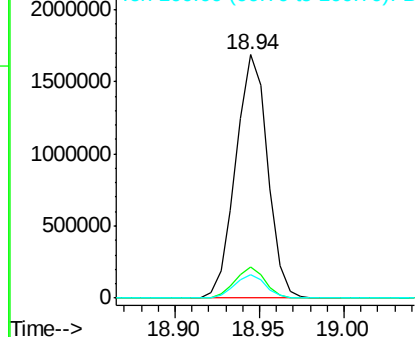
202 100

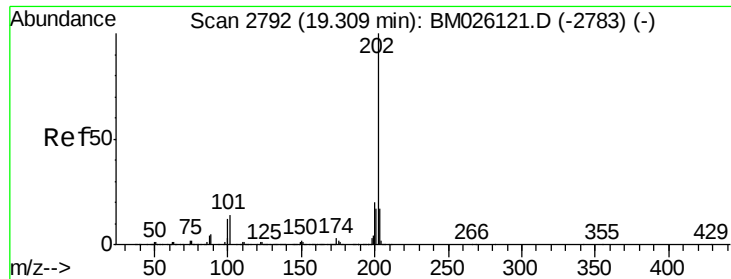
101 12.6 9.5 14.3

100 9.7 7.6 11.4



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





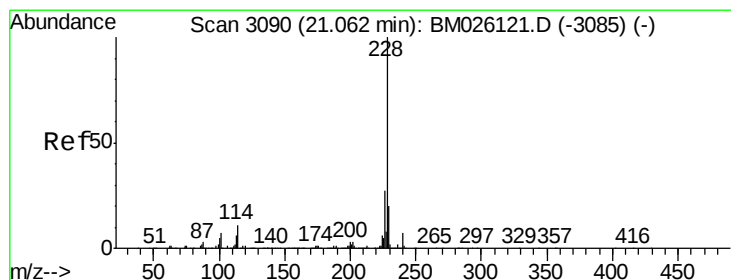
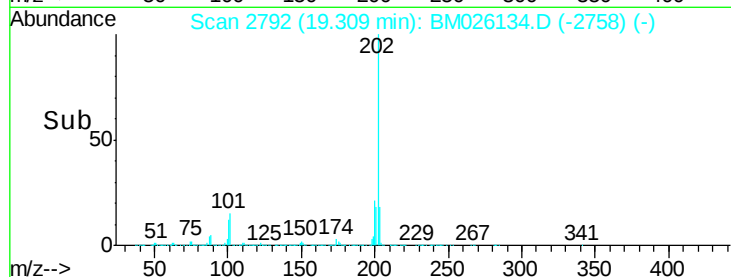
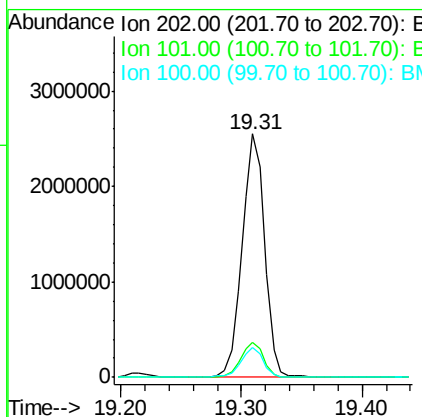
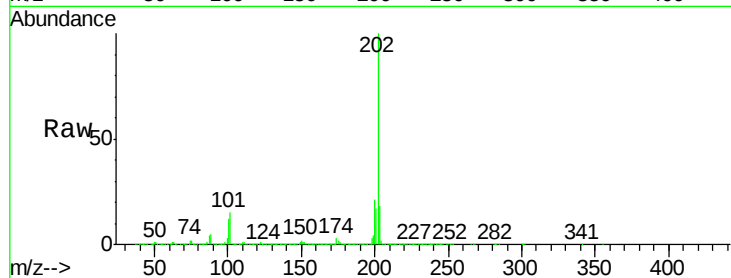
#80
 Pyrene
 Concen: 55.99 ng/ul
 RT: 19.31 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Instrument :
 BNA_M
 ClientSampleId :
 ETKX0

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	12.2	18.4
100	12.0	10.2	15.4

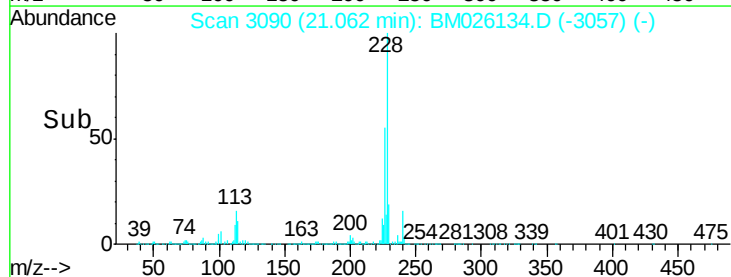
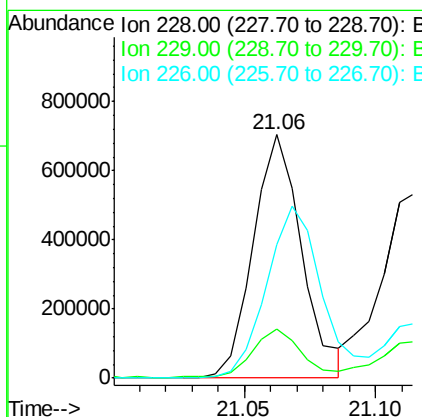
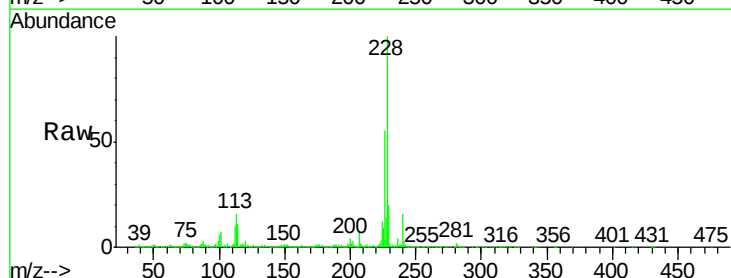
Manual Integrations
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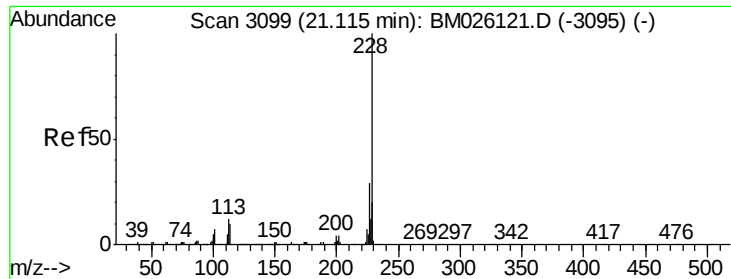
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#83
 Benzo(a)anthracene
 Concen: 15.74 ng/ul m
 RT: 21.06 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.5	23.3
226	55.0	21.2	31.8#





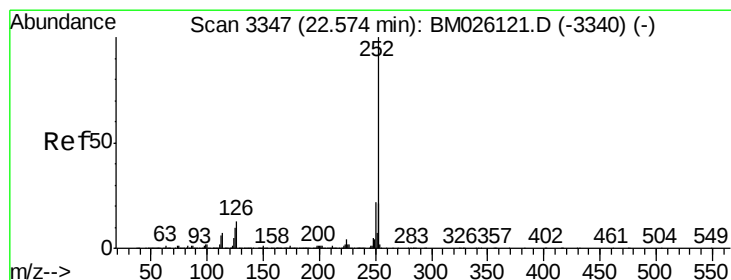
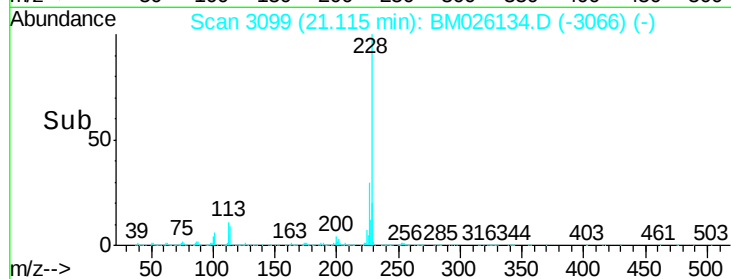
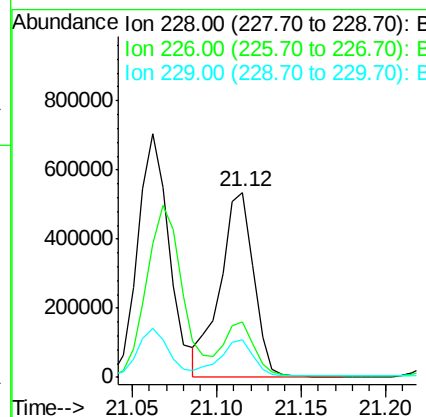
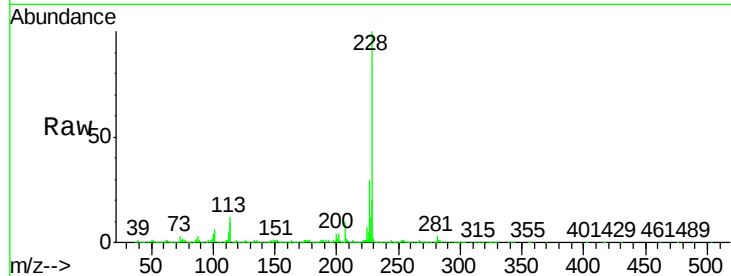
#85
Chrysene
Concen: 12.81 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Instrument :
BNA_M
ClientSampled :
ETKX0

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.8	23.0	34.6
229	19.9	15.5	23.3

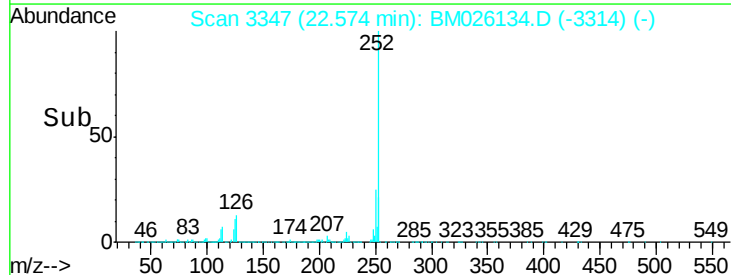
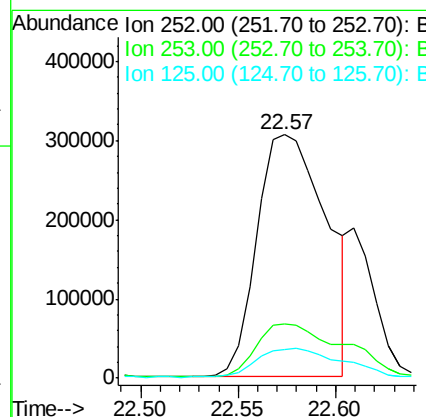
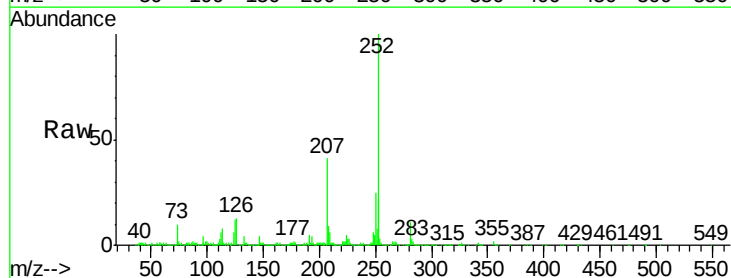
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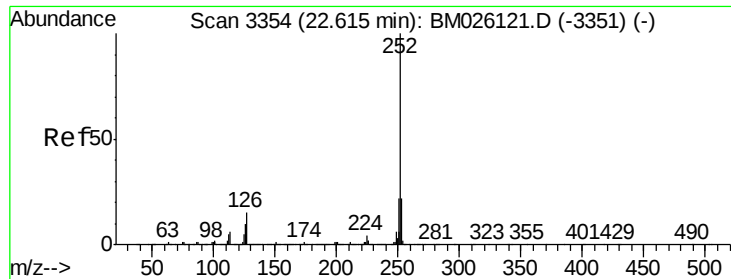
mohammad
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#88
Benzo(b)fluoranthene
Concen: 12.54 ng/ul
RT: 22.57 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.2	17.1	25.7
125	11.8	8.9	13.3





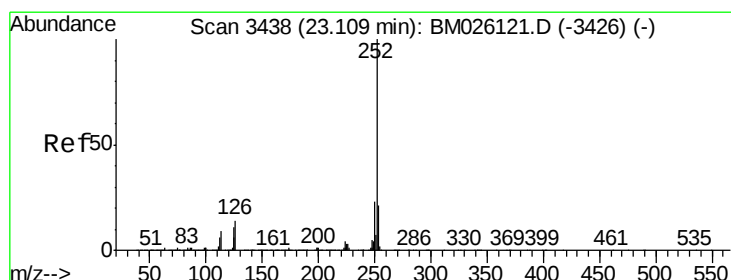
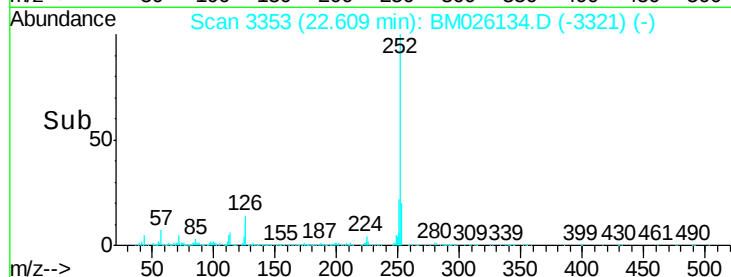
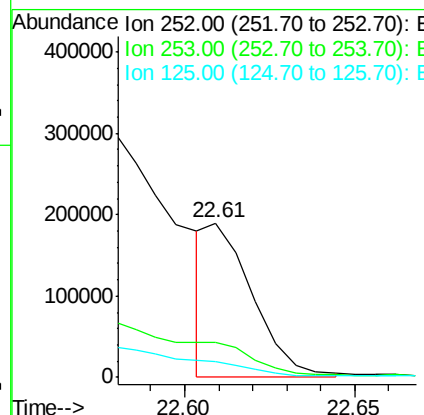
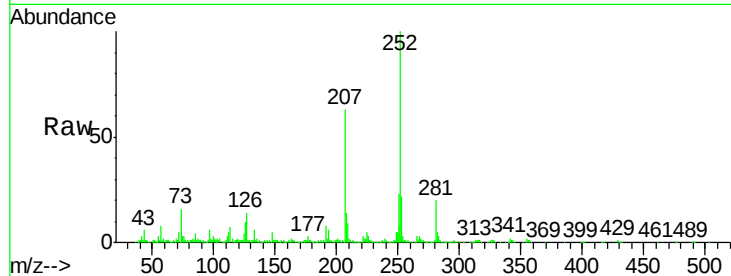
#89
Benzo(k)fluoranthene
Concen: 2.96 ng/ul m
RT: 22.61 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Instrument :
BNA_M
ClientSampleId :
ETKX0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	10.4	8.6	13.0

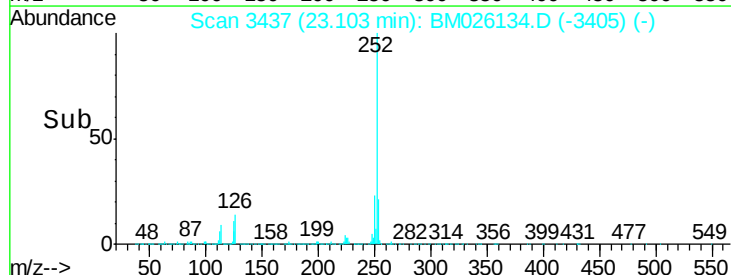
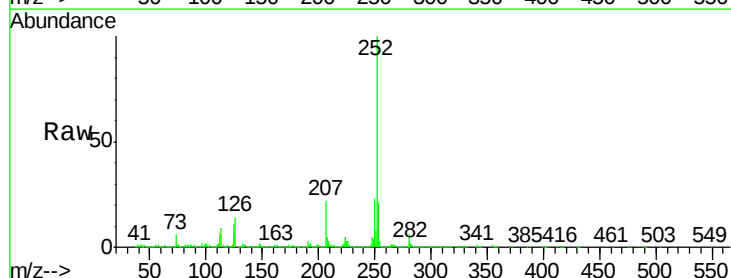
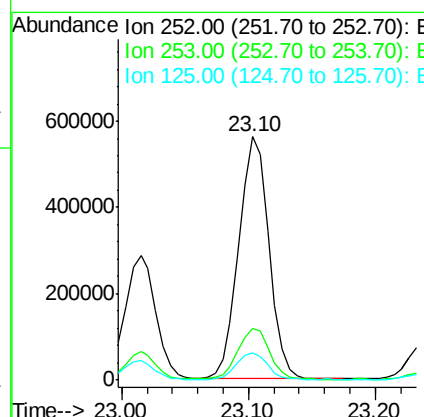
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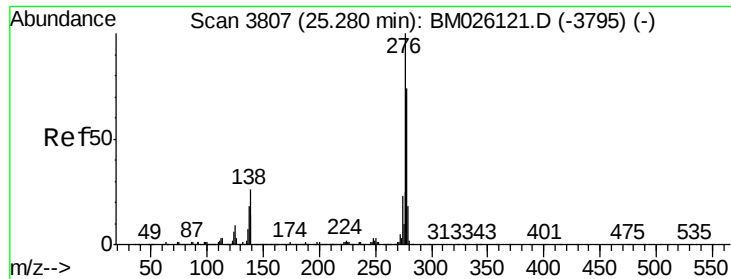
mohammad
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#91
Benzo(a)pyrene
Concen: 17.42 ng/ul
RT: 23.10 min Scan# 3437
Delta R.T. -0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	11.1	9.8	14.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 6.08 ng/ul

RT: 25.27 min Scan# 3805

Delta R.T. -0.02 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

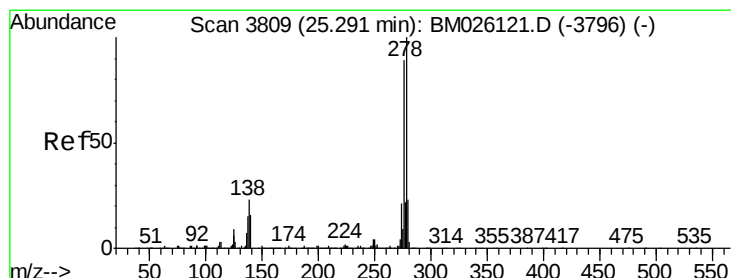
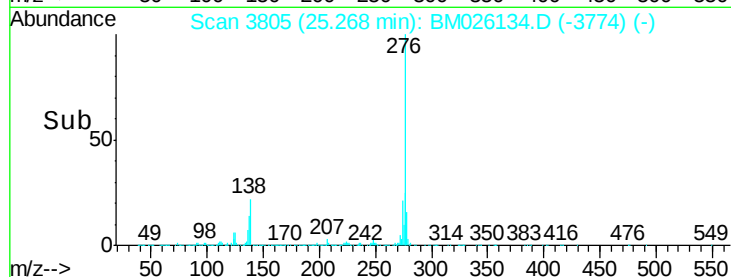
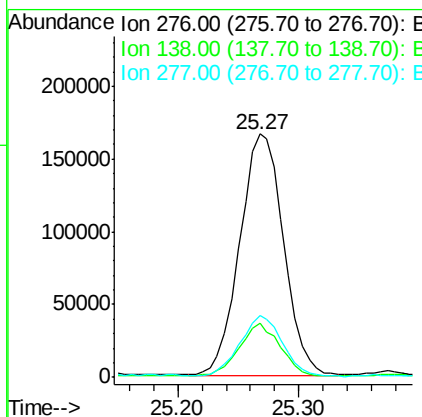
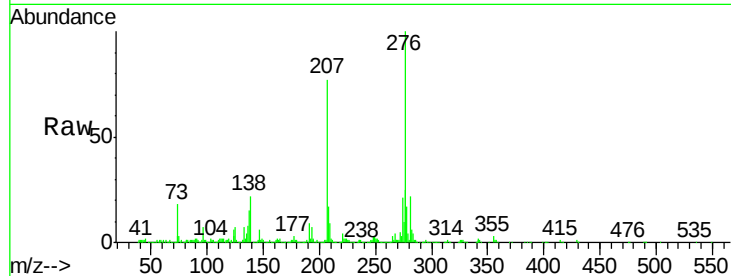
ClientSampleId :

ETKX0

Tgt Ion:	276	Resp:	419558
Ion Ratio		Lower	Upper
276	100		
138	22.5	21.6	32.4
277	25.4	20.3	30.5

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#93

Dibenzo(a,h)anthracene

Concen: 1.38 ng/ul

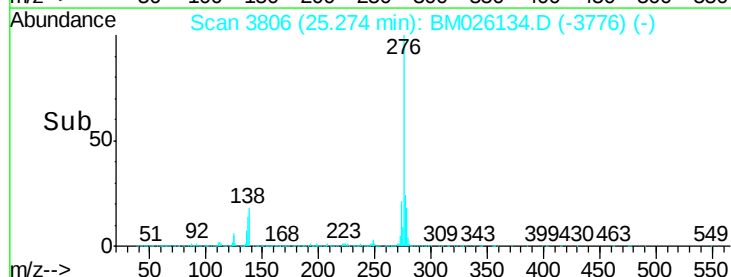
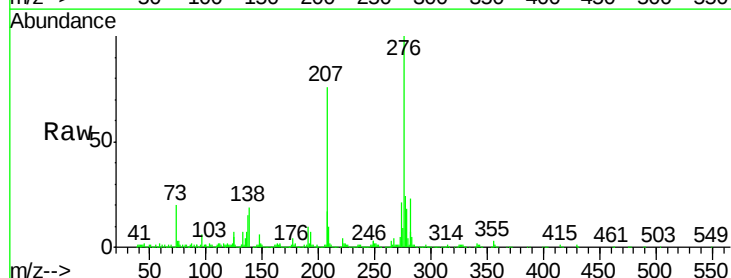
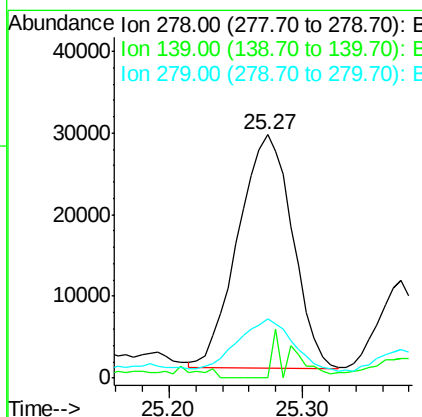
RT: 25.27 min Scan# 3806

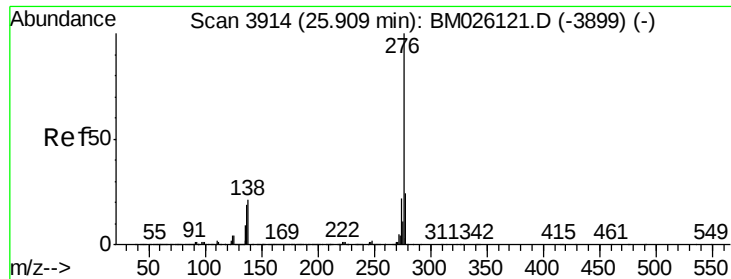
Delta R.T. -0.02 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Tgt Ion:	278	Resp:	80749
Ion Ratio		Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	24.2	18.8	28.2





#94

Benzo(g,h,i)perylene

Concen: 9.38 ng/ul

RT: 25.90 min Scan# 3913

Delta R.T. -0.02 min

Lab File: BM026134.D

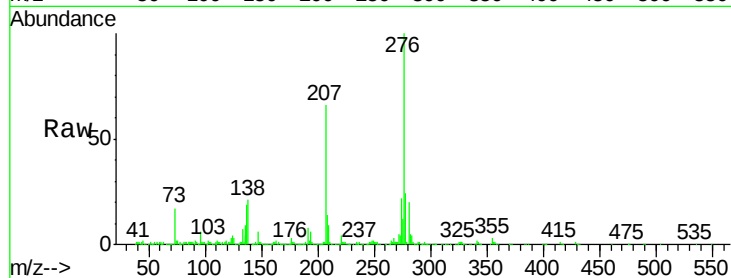
Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampleId :

ETKX0



Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.7	28.1
277	23.6	18.8	28.2

Manual Integrations
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