

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045841.D
 Acq On : 05 Jun 2024 07:42
 Operator : MA/JU
 Sample : P2586-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C29

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 08:26:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 31 13:01:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	297251	20.000	ng/u1	0.00
20) Naphthalene-d8	10.234	136	1188490	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.110	164	667813	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.857	188	1159080	20.000	ng/u1	0.00
79) Chrysene-d12	21.068	240	893023	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	1014209	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.052	96	25231	3.291	ng/uL	0.00
4) Pyridine-d5	3.469	84	336565	17.049	ng/u1	0.00
7) Phenol-d5	6.722	99	583735	23.116	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.828	67	398647	21.985	ng/u1	0.00
11) 2-Chlorophenol-d4	7.028	132	455048	24.124	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	457472	23.979	ng/u1	0.00
21) Nitrobenzene-d5	8.628	128	224452	24.154	ng/u1	0.00
24) 2-Nitrophenol-d4	9.340	143	242017	25.734	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.892	165	421509	23.901	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	460807	18.879	ng/u1	0.00
46) Dimethylphthalate-d6	13.557	166	1175549	25.427	ng/u1	0.00
49) Acenaphthylene-d8	13.798	160	1328336	24.742	ng/u1	0.00
54) 4-Nitrophenol-d4	14.410	143	160546	16.091	ng/u1	0.00
60) Fluorene-d10	15.104	176	937643	23.773	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	78087	13.193	ng/u1	0.00
73) Anthracene-d10	16.951	188	1262632	25.058	ng/u1	0.00
81) Pyrene-d10	19.251	212	1343114	24.185	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.603	264	1195002	25.210	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	16.892	178	115753	1.895	ng/u1	98
80) Fluoranthene	18.915	202	196077	2.912	ng/u1#	97
82) Pyrene	19.280	202	172268	2.490	ng/u1	98
85) Benzo(a)anthracene	21.045	228	119231	1.934	ng/u1	98
87) Chrysene	21.103	228	126800	2.223	ng/u1	97
90) Benzo(b)fluoranthene	22.933	252	205728	3.301	ng/u1	97
91) Benzo(k)fluoranthene	22.986	252	82965m	1.363	ng/u1	
93) Benzo(a)pyrene	23.656	252	135362	2.471	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	26.774	276	119488	1.998	ng/u1	98
96) Benzo(g,h,i)perylene	27.715	276	126716	2.405	ng/u1	99

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

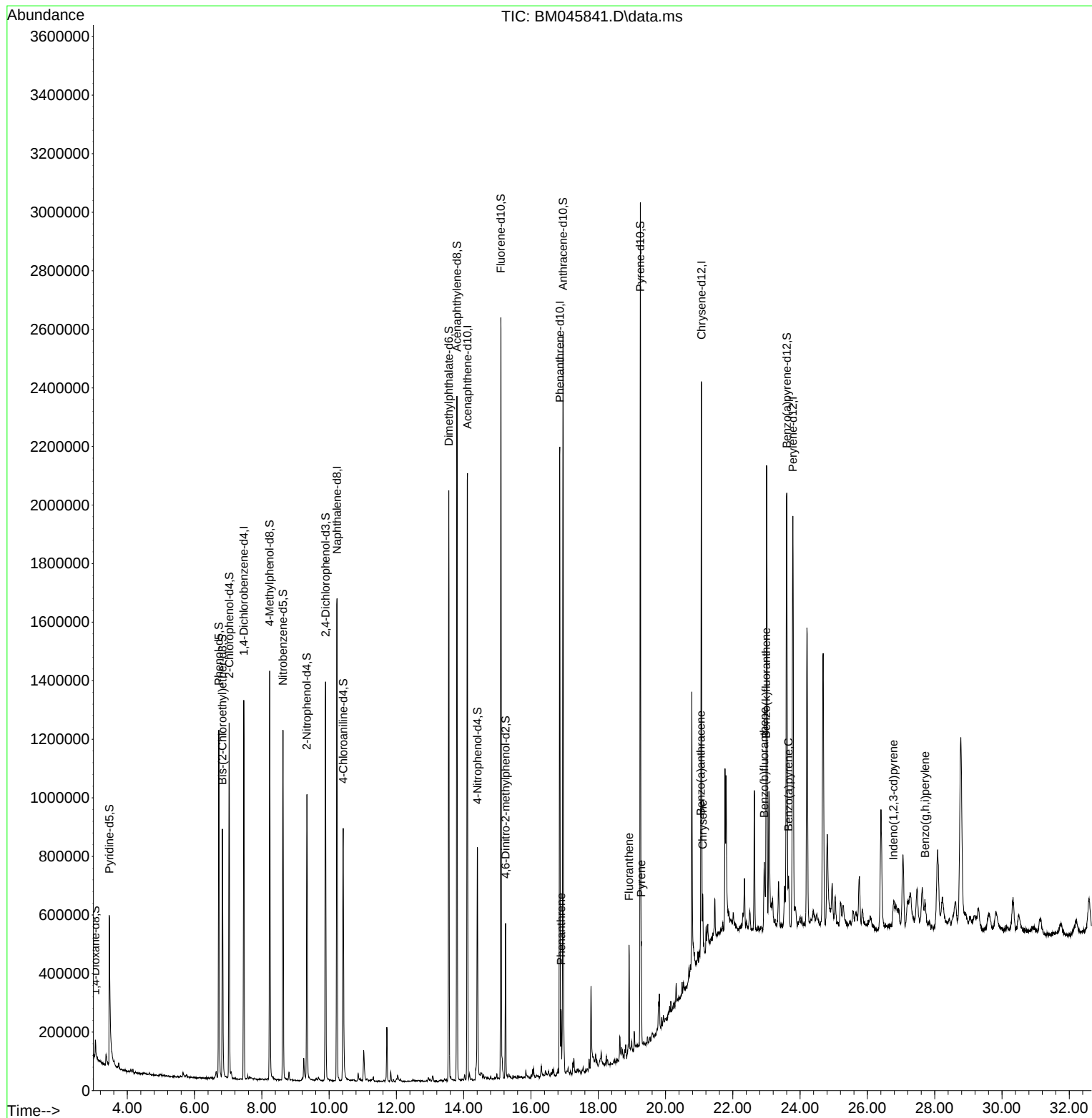
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
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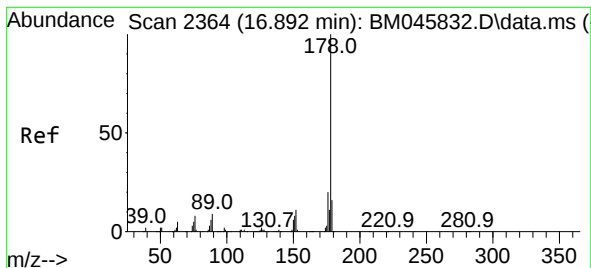
Instrument :
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#72

Phenanthrene

Concen: 1.895 ng/ul

RT: 16.892 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

Instrument :

BNA_M

ClientSampleId :

A4C29

Tgt Ion:178 Resp: 11575

Ion Ratio Lower Upper

178 100

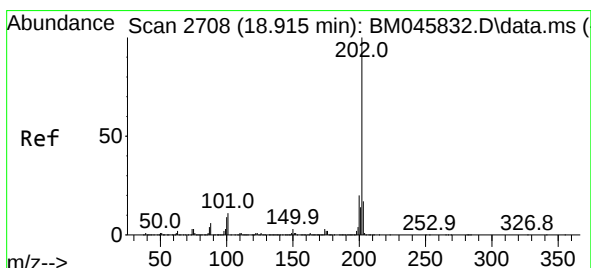
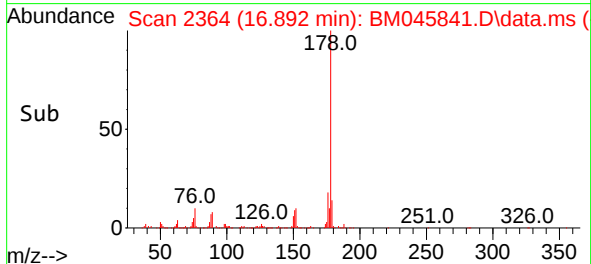
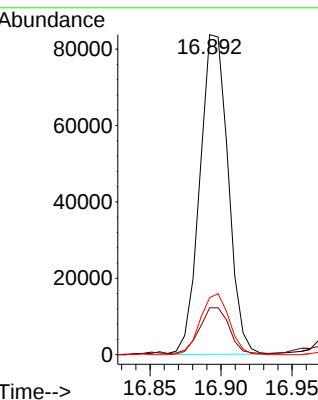
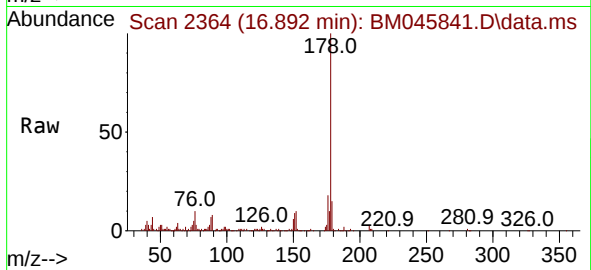
179 14.7 12.4 18.6

176 17.8 15.3 22.9

Manual Integrations

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#80

Fluoranthene

Concen: 2.912 ng/ul

RT: 18.915 min Scan# 2708

Delta R.T. -0.006 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

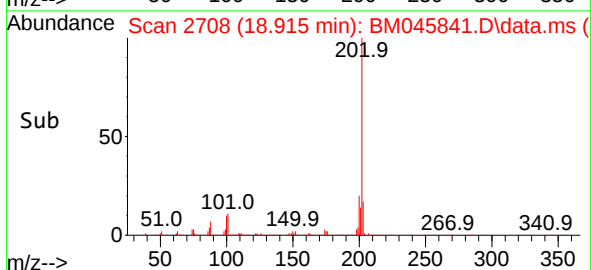
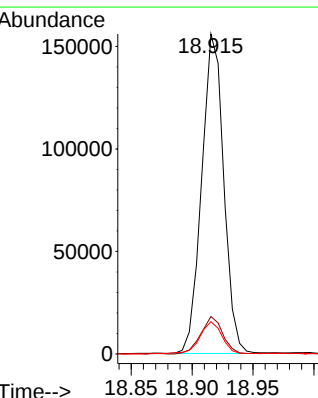
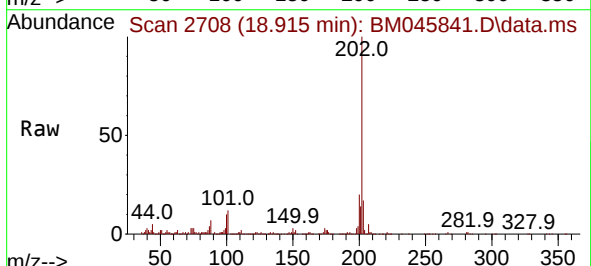
Tgt Ion:202 Resp: 196077

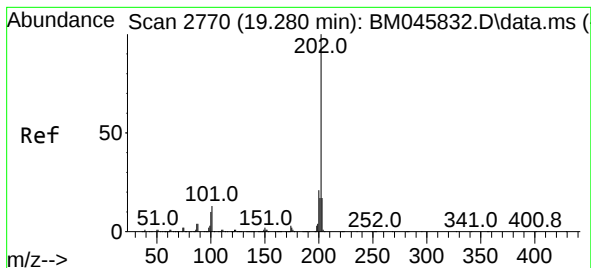
Ion Ratio Lower Upper

202 100

101 11.7 8.9 13.3

100 10.1 6.6 10.0#





#82

Pyrene

Concen: 2.490 ng/ul

RT: 19.280 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

Instrument :

BNA_M

ClientSampleId :

A4C29

Tgt Ion:202 Resp: 17226

Ion Ratio Lower Upper

202 100

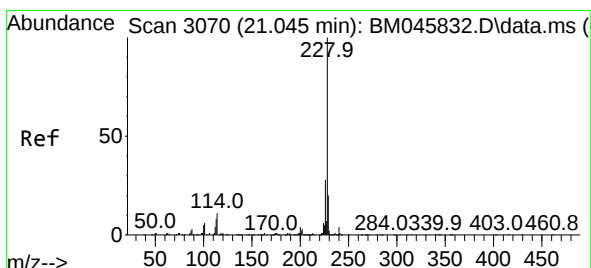
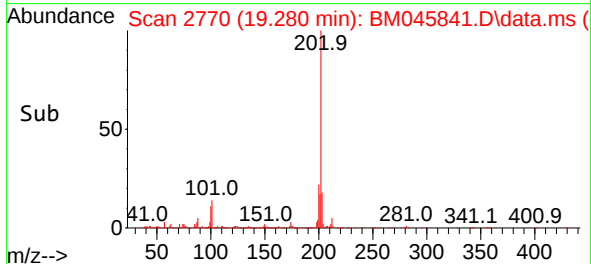
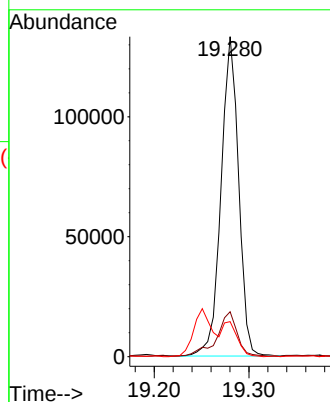
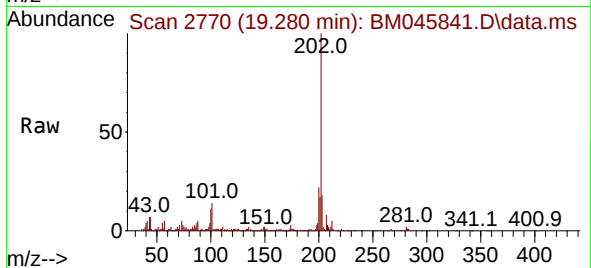
101 14.0 10.5 15.7

100 11.0 8.6 12.8

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#85

Benzo(a)anthracene

Concen: 1.934 ng/ul

RT: 21.045 min Scan# 3070

Delta R.T. -0.006 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

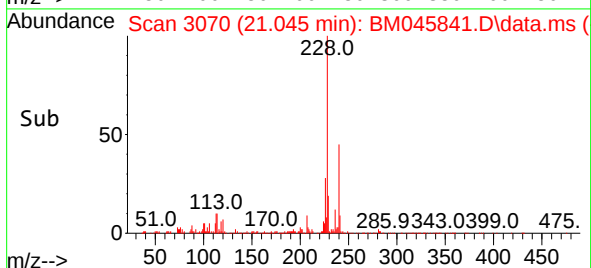
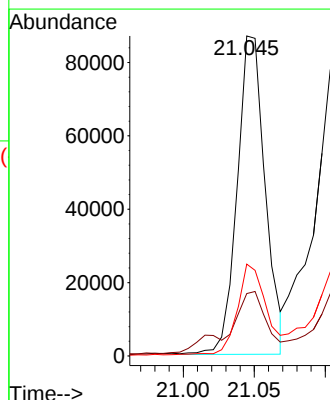
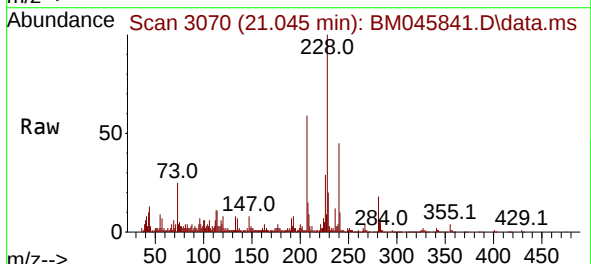
Tgt Ion:228 Resp: 119231

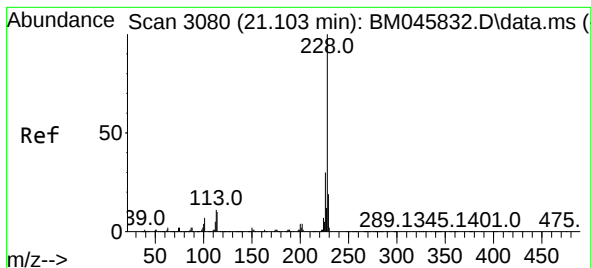
Ion Ratio Lower Upper

228 100

229 19.5 15.8 23.8

226 28.7 21.4 32.0





#87

Chrysene

Concen: 2.223 ng/ul

RT: 21.103 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

Instrument :

BNA_M

ClientSampleId :

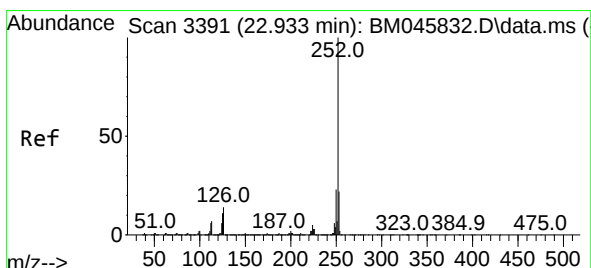
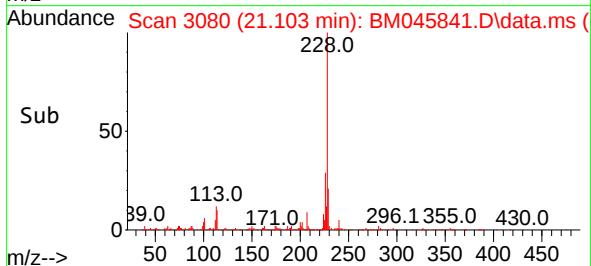
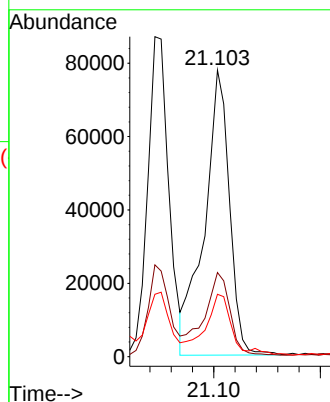
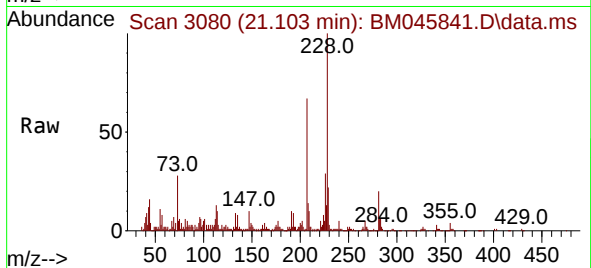
A4C29

Tgt Ion:	228	Resp:	126800
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.2	36.2
229	21.8	15.2	22.8

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 3.301 ng/ul

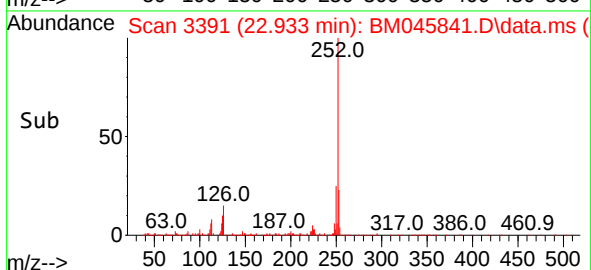
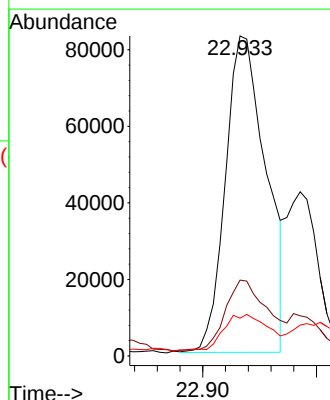
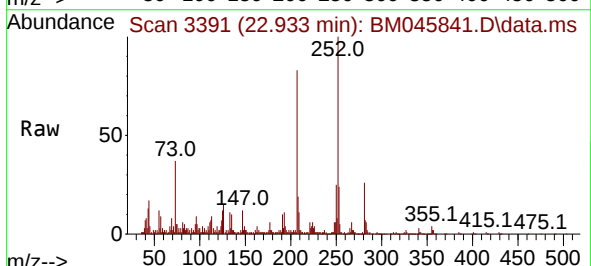
RT: 22.933 min Scan# 3391

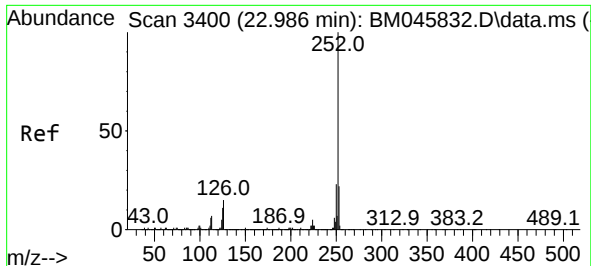
Delta R.T. -0.006 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

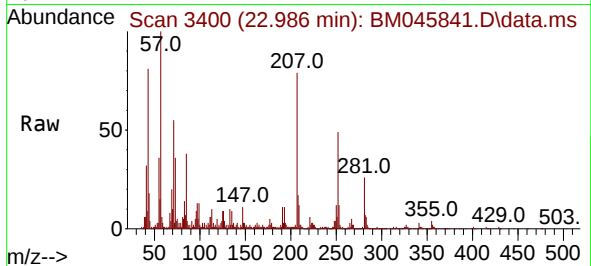
Tgt Ion:	252	Resp:	205728
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.6
125	11.8	8.4	12.6





#91
Benzo(k)fluoranthene
Concen: 1.363 ng/ul m
RT: 22.986 min Scan# 3400
Delta R.T. -0.012 min
Lab File: BM045841.D
Acq: 05 Jun 2024 07:42

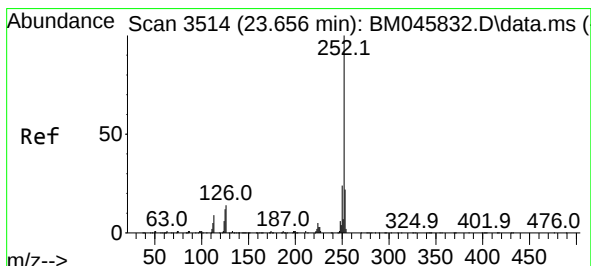
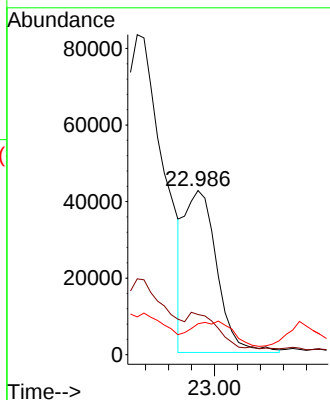
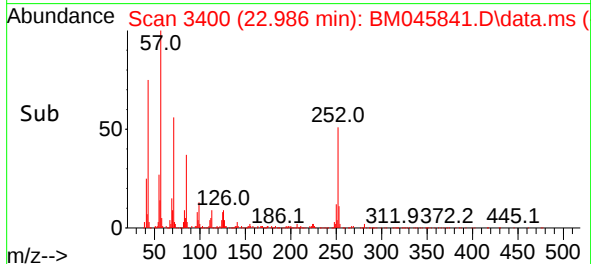
Instrument :
BNA_M
ClientSampleId :
A4C29



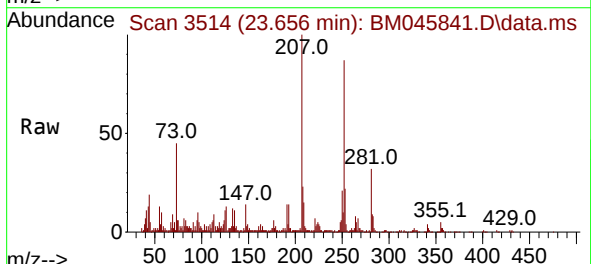
Tgt Ion:252 Resp: 8296
Ion Ratio Lower Upper
252 100
253 24.4 16.8 25.2
125 18.8 8.2 12.4

Manual Integrations
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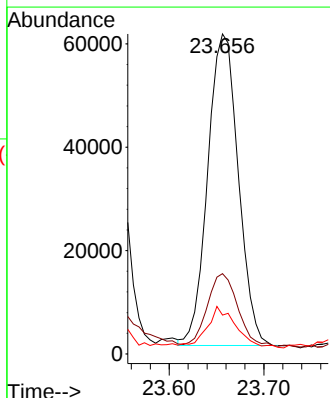
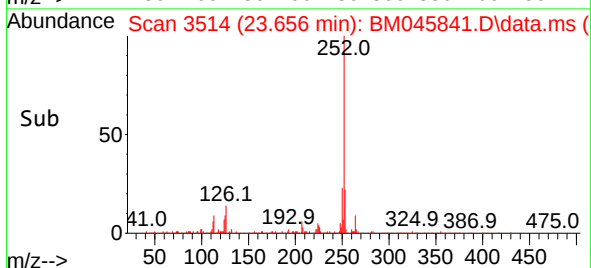
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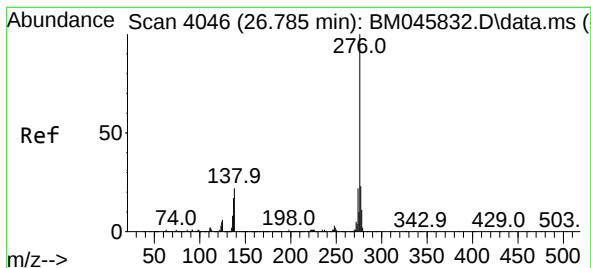


#93
Benzo(a)pyrene
Concen: 2.471 ng/ul
RT: 23.656 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM045841.D
Acq: 05 Jun 2024 07:42



Tgt Ion:252 Resp: 135362
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 12.2 9.3 13.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.998 ng/ul

RT: 26.774 min Scan# 4046

Delta R.T. -0.018 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

Instrument :

BNA_M

ClientSampleId :

A4C29

Tgt Ion:276 Resp: 11948

Ion Ratio Lower Upper

276 100

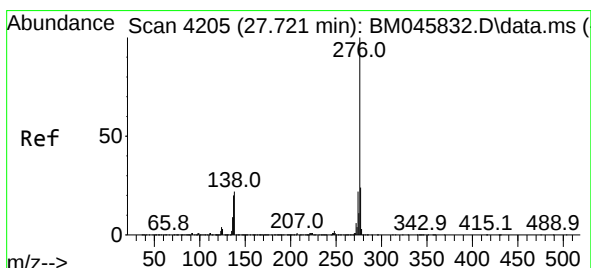
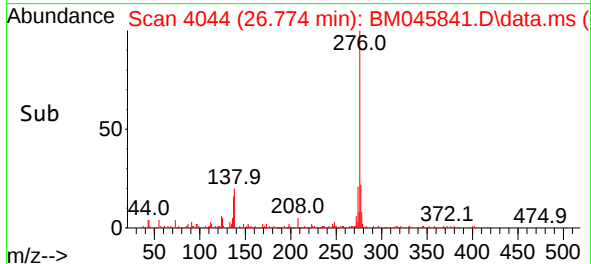
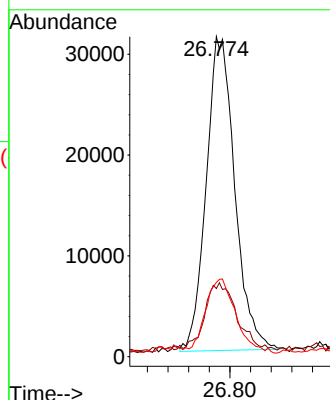
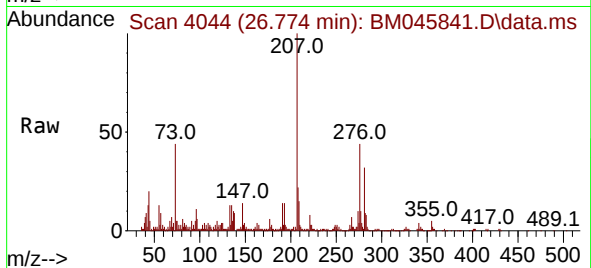
138 21.3 17.9 26.9

277 23.2 19.0 28.6

Manual Integrations

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#96

Benzo(g,h,i)perylene

Concen: 2.405 ng/ul

RT: 27.715 min Scan# 4204

Delta R.T. -0.012 min

Lab File: BM045841.D

Acq: 05 Jun 2024 07:42

Tgt Ion:276 Resp: 126716

Ion Ratio Lower Upper

276 100

138 23.4 18.6 27.8

277 22.2 18.7 28.1

