

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043376.D
 Acq On : 16 Dec 2023 02:15
 Operator : MA/JU
 Sample : 05626-19
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLG5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 16 03:12:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	442494	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1905652	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.622	164	975953	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1572284	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1085000	20.000	ng/u1	0.00
88) Perylene-d12	23.956	264	1298231	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	54188	3.980	ng/uL	0.00
4) Pyridine-d5	3.811	84	362410	9.249	ng/u1	0.00
7) Phenol-d5	7.151	99	1143675	22.720	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	714532	22.413	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	878941	22.869	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	863522	22.107	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	440940	23.915	ng/u1	0.00
24) 2-Nitrophenol-d4	9.887	143	466952	24.511	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	793219	23.587	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	935098	18.900	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2105824	23.969	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	2573634	24.694	ng/u1	0.00
54) 4-Nitrophenol-d4	14.822	143	307373	18.485	ng/u1	0.00
60) Fluorene-d10	15.616	176	1747449	24.053	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	180964	17.403	ng/u1	0.00
73) Anthracene-d10	17.463	188	2224854	25.232	ng/u1	0.00
81) Pyrene-d10	19.751	212	2128227	24.845	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	2066088	25.789	ng/u1	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.686	153	245562	3.113	ng/u1	99
61) Fluorene	15.669	166	213150	2.449	ng/u1	99
72) Phenanthrene	17.410	178	698627	6.556	ng/u1	100
74) Anthracene	17.498	178	1306539	12.149	ng/u1	100
80) Fluoranthene	19.415	202	1034308	9.750	ng/u1	100
82) Pyrene	19.780	202	892114	8.181	ng/u1	100
85) Benzo(a)anthracene	21.521	228	190937	2.105	ng/u1	96
87) Chrysene	21.574	228	270044	3.309	ng/u1	95
90) Benzo(b)fluoranthene	23.221	252	465343	4.677	ng/u1	97
91) Benzo(k)fluoranthene	23.262	252	122263m	1.260	ng/u1	
93) Benzo(a)pyrene	23.850	252	225899	2.489	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.480	276	152167	1.404	ng/u1	97

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

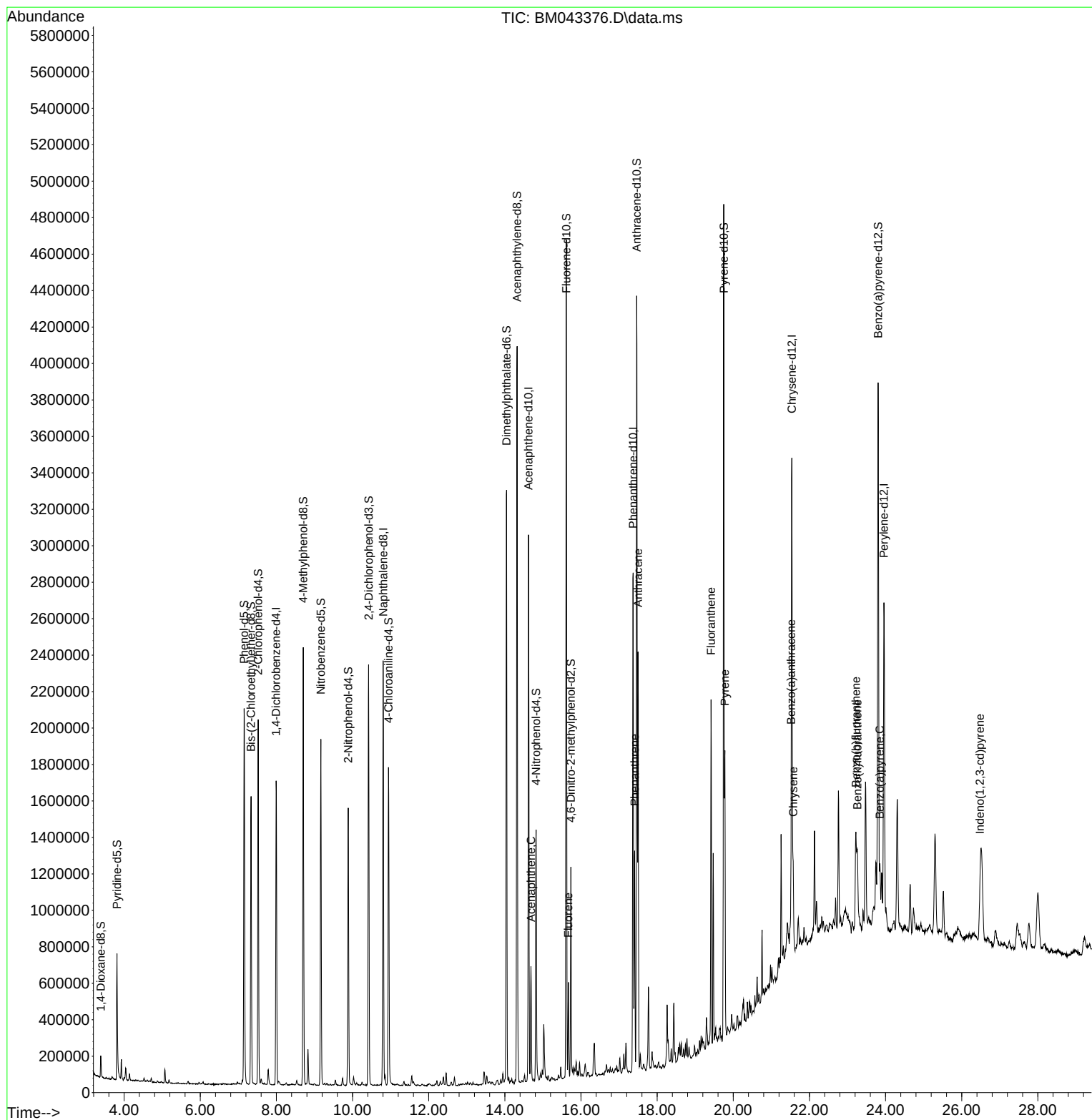
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
Data File : BM043376.D
Acq On : 16 Dec 2023 02:15
Operator : MA/JU
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ALS Vial : 25 Sample Multiplier: 1

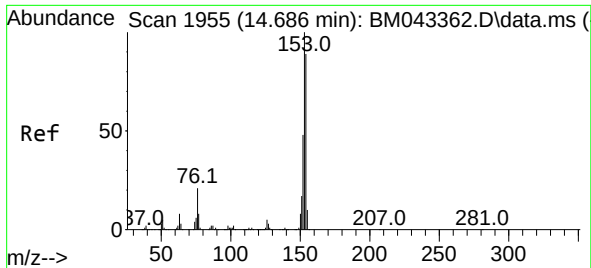
Instrument :
BNA_M
ClientSampleId :
DCLG5

Quant Time: Dec 16 03:12:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 22:09:25 2023
Response via : Initial Calibration

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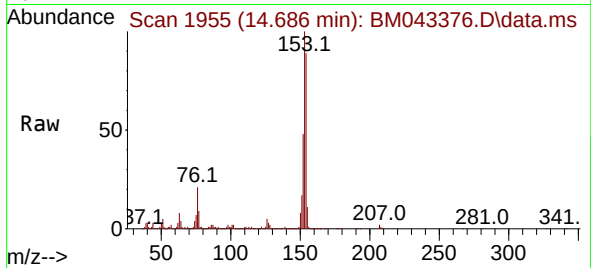
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023





#52
Acenaphthene
Concen: 3.113 ng/u1
RT: 14.686 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

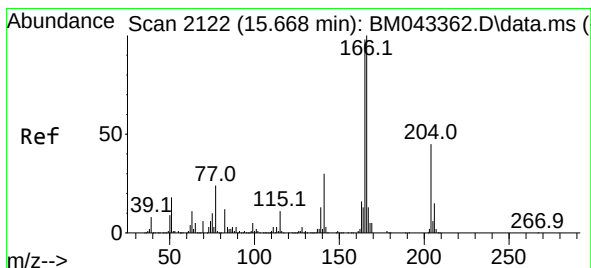
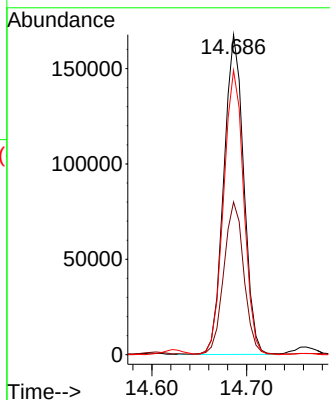
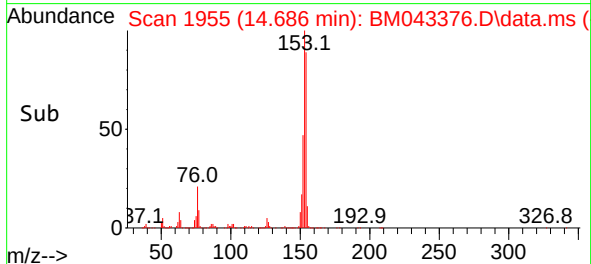
Instrument :
BNA_M
ClientSampleId :
DCLG5



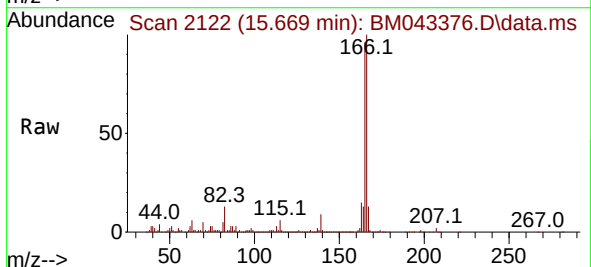
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Ion Ratio Lower Upper
153 100
152 47.7 38.1 57.1
154 88.9 70.4 105.6

Manual Integrations
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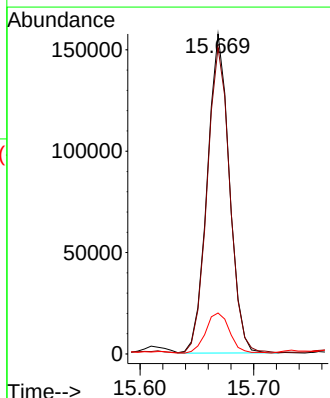
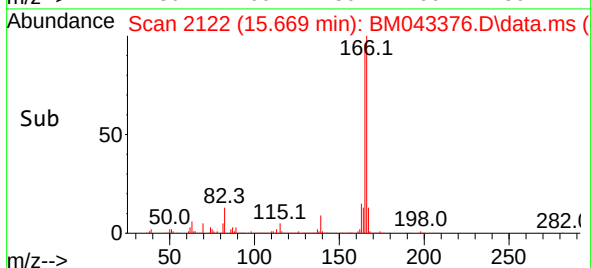
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

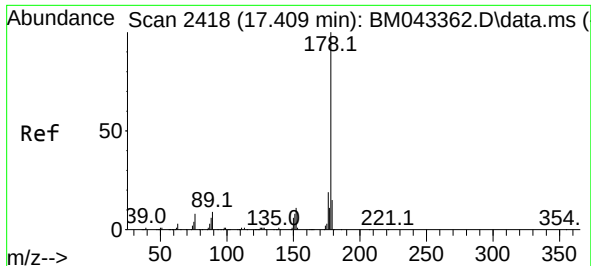


#61
Fluorene
Concen: 2.449 ng/u1
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15



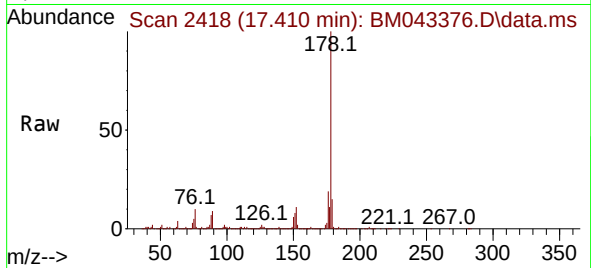
Tgt Ion:166 Resp: 213150
Ion Ratio Lower Upper
166 100
165 95.7 76.9 115.3
167 12.8 10.9 16.3





#72
Phenanthrene
Concen: 6.556 ng/u1
RT: 17.410 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

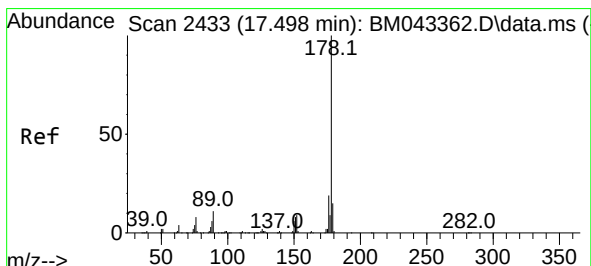
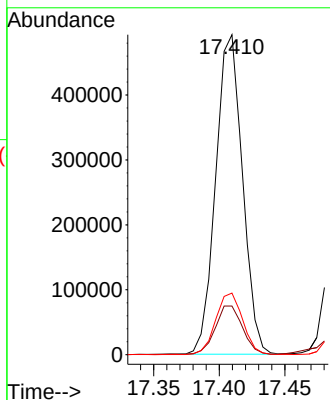
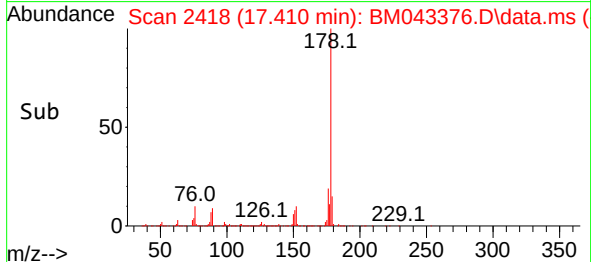
Instrument :
BNA_M
ClientSampleId :
DCLG5



Tgt Ion:178 Resp: 69862
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.4
176 19.3 15.5 23.3

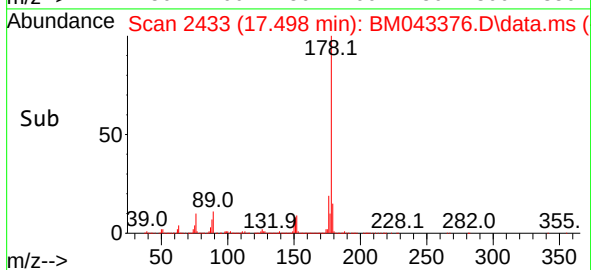
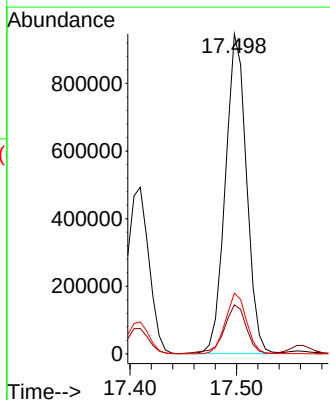
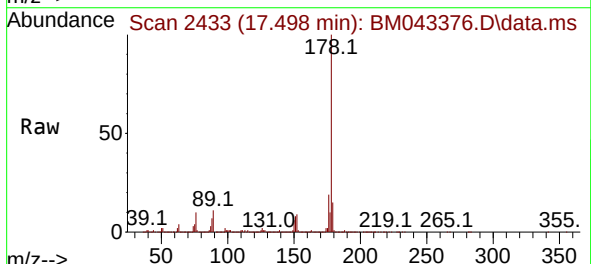
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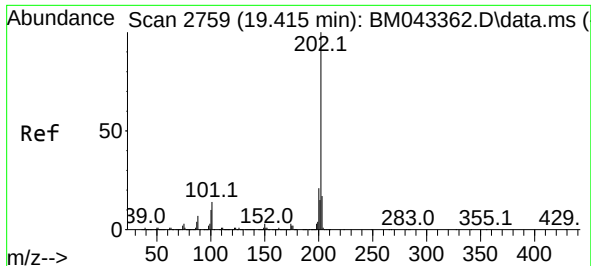
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#74
Anthracene
Concen: 12.149 ng/u1
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

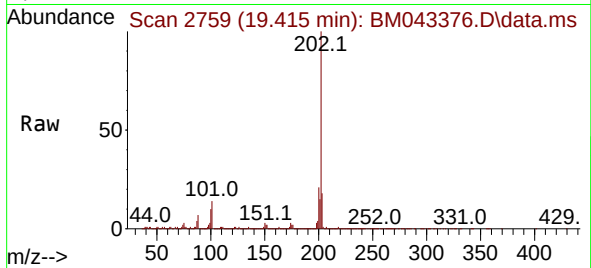
Tgt Ion:178 Resp: 1306539
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 19.0 15.2 22.8





#80
Fluoranthene
Concen: 9.750 ng/ul
RT: 19.415 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

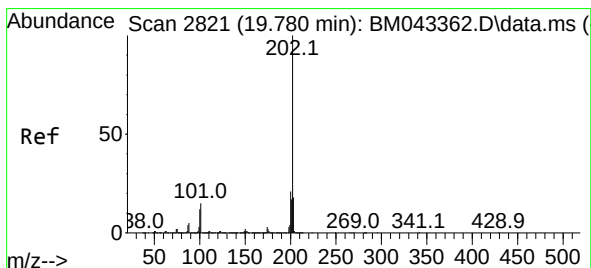
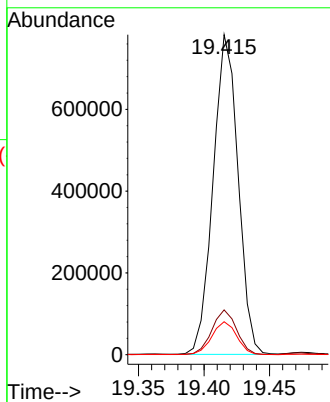
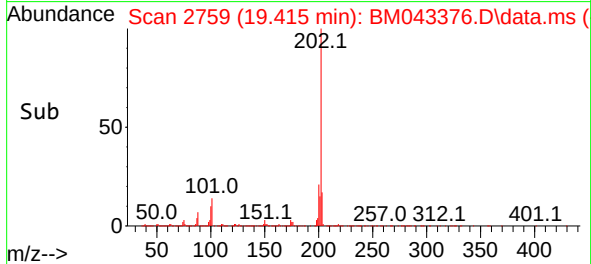
Instrument :
BNA_M
ClientSampleId :
DCLG5



Tgt Ion:202 Resp: 1034308
Ion Ratio Lower Upper
202 100
101 14.0 11.4 17.0
100 10.3 8.2 12.4

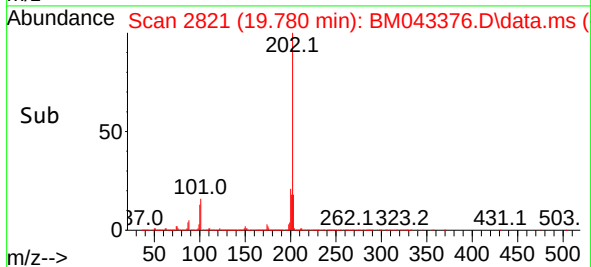
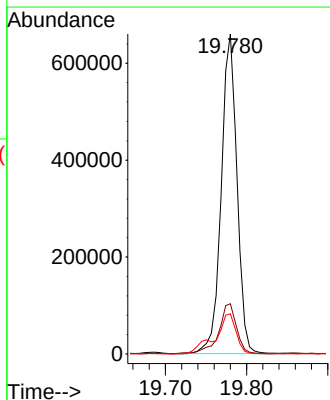
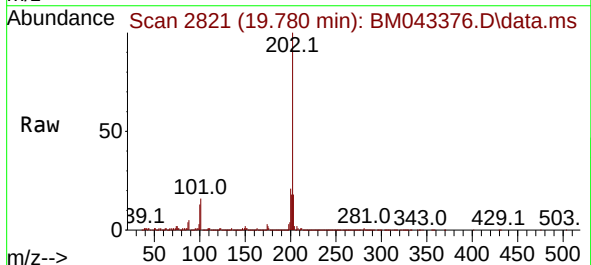
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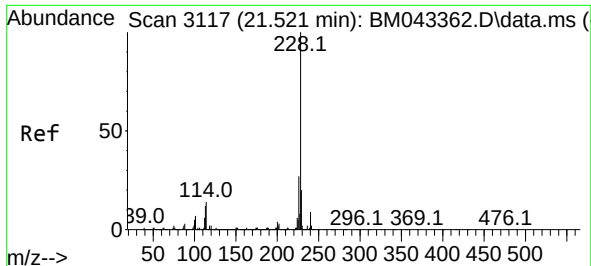
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#82
Pyrene
Concen: 8.181 ng/ul
RT: 19.780 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

Tgt Ion:202 Resp: 892114
Ion Ratio Lower Upper
202 100
101 15.7 12.7 19.1
100 12.5 10.1 15.1





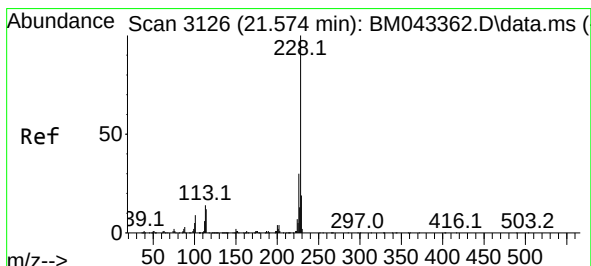
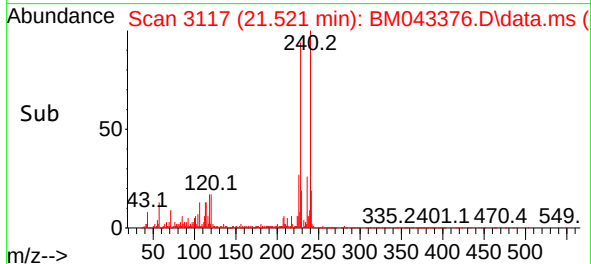
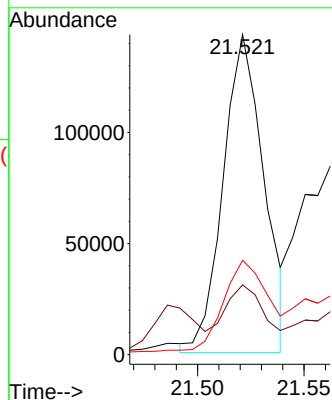
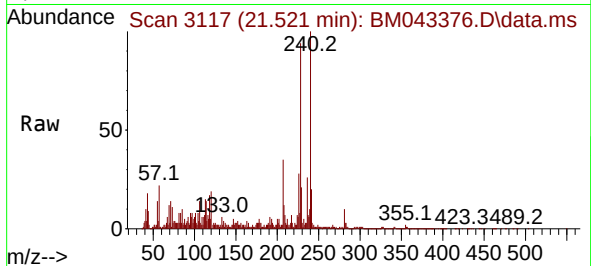
#85
Benzo(a)anthracene
Concen: 2.105 ng/u1
RT: 21.521 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

Instrument :
BNA_M
ClientSampleId :
DCLG5

Tgt Ion:228 Resp: 19093
Ion Ratio Lower Upper
228 100
229 21.8 15.6 23.4
226 29.5 22.2 33.2

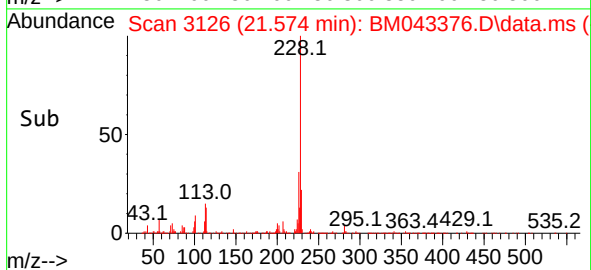
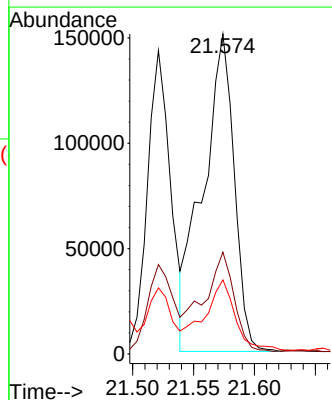
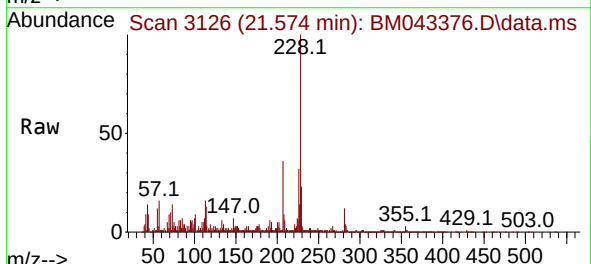
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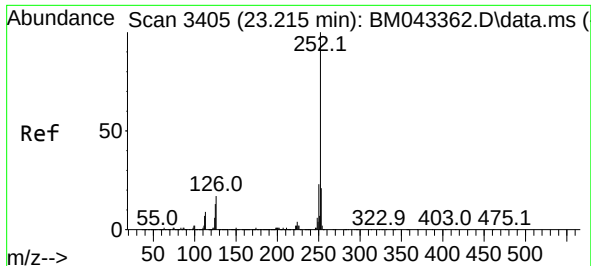
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#87
Chrysene
Concen: 3.309 ng/u1
RT: 21.574 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

Tgt Ion:228 Resp: 270044
Ion Ratio Lower Upper
228 100
226 31.8 24.2 36.2
229 23.1 15.9 23.9





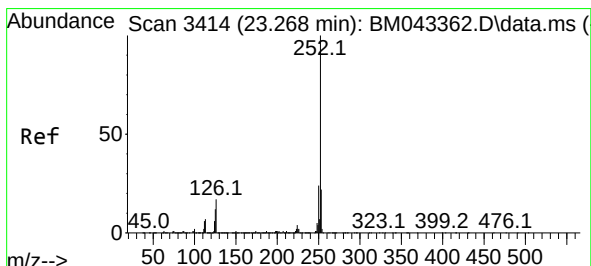
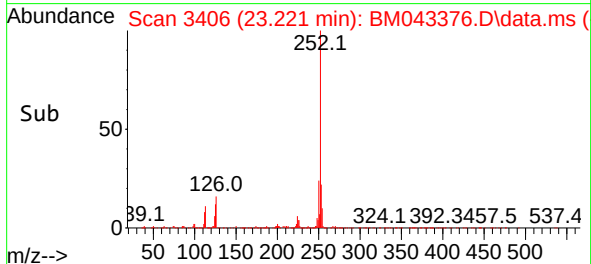
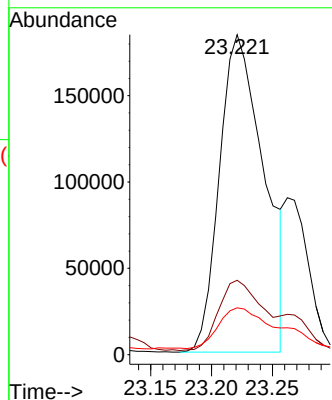
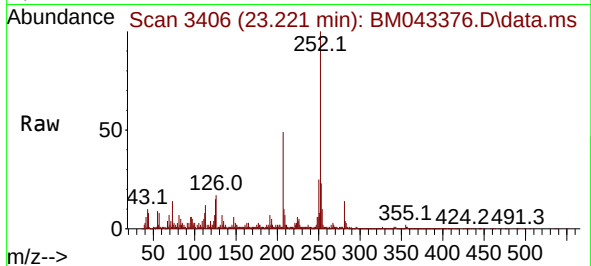
#90
Benzo(b)fluoranthene
Concen: 4.677 ng/ul
RT: 23.221 min Scan# 3405
Delta R.T. 0.000 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

Instrument :
BNA_M
ClientSampleId :
DCLG5

Tgt Ion:252 Resp: 46534
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 14.7 10.4 15.6

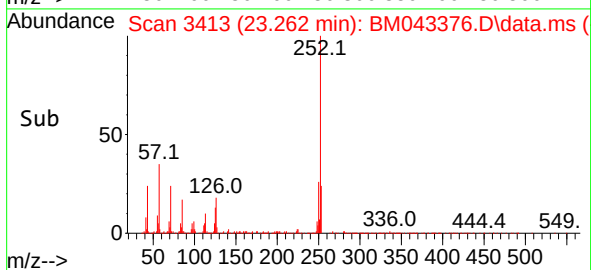
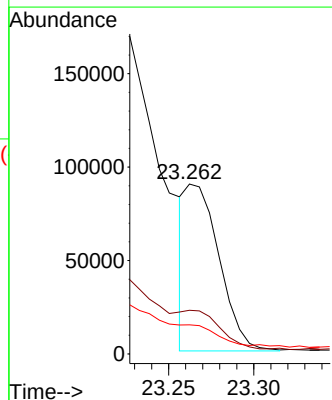
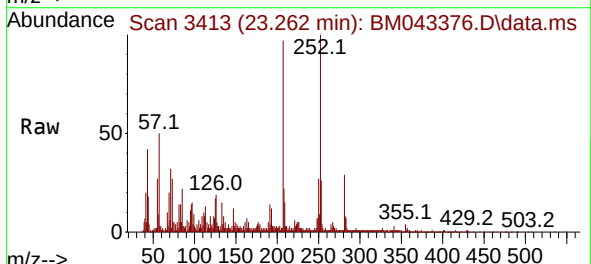
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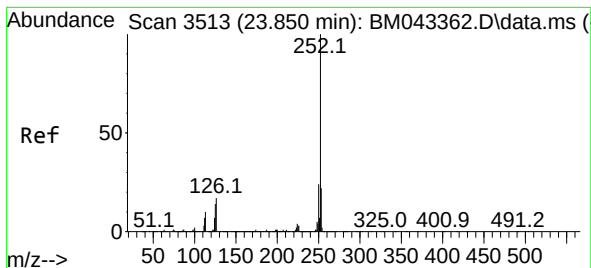
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#91
Benzo(k)fluoranthene
Concen: 1.260 ng/ul m
RT: 23.262 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM043376.D
Acq: 16 Dec 2023 02:15

Tgt Ion:252 Resp: 122263
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 17.2 10.2 15.4#





#93

Benzo(a)pyrene

Concen: 2.489 ng/ul

RT: 23.850 min Scan# 3513

Delta R.T. 0.000 min

Lab File: BM043376.D

Acq: 16 Dec 2023 02:15

Instrument :

BNA_M

ClientSampleId :

DCLG5

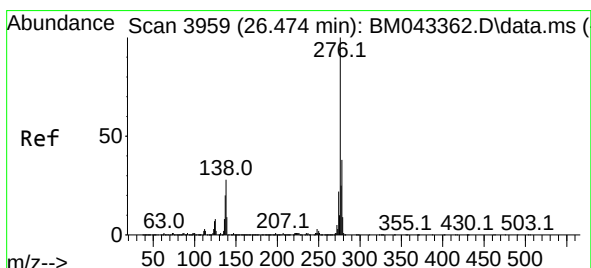
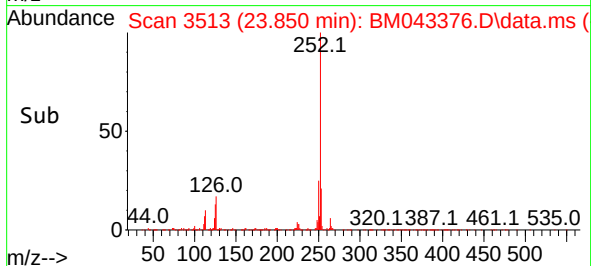
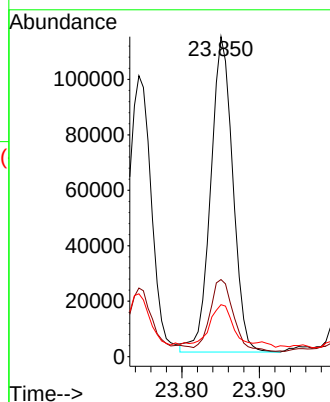
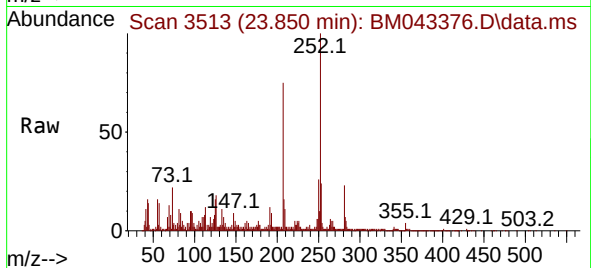
Tgt Ion:	252	Resp:	22589
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.9	26.9
125	16.3	11.4	17.2

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 12/16/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.404 ng/ul

RT: 26.480 min Scan# 3960

Delta R.T. 0.000 min

Lab File: BM043376.D

Acq: 16 Dec 2023 02:15

Tgt Ion:	276	Resp:	152167
Ion Ratio	Lower	Upper	
276	100		
138	25.1	22.6	34.0
277	24.9	19.7	29.5

