

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043375.D
 Acq On : 16 Dec 2023 01:38
 Operator : MA/JU
 Sample : 05626-18
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLG4

Quant Time: Dec 16 03:06:29 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	577819	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2558637	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	1405948	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	2328553	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1404672	20.000	ng/u1	0.00
88) Perylene-d12	23.962	264	1596340	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	65116	3.663	ng/uL	0.00
4) Pyridine-d5	3.810	84	420095	8.210	ng/u1	0.00
7) Phenol-d5	7.151	99	1356044	20.630	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	865916	20.801	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	1053995	21.001	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	1057702	20.736	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	534687	21.599	ng/u1	0.00
24) 2-Nitrophenol-d4	9.887	143	563232	22.020	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	989443	21.913	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1090757	16.420	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2830613	22.365	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	3365163	22.414	ng/u1	0.00
54) 4-Nitrophenol-d4	14.822	143	408773	17.064	ng/u1	0.00
60) Fluorene-d10	15.616	176	2347547	22.431	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	259123	16.826	ng/u1	0.00
73) Anthracene-d10	17.463	188	3008134	23.035	ng/u1	0.00
81) Pyrene-d10	19.751	212	2652457	23.918	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	2301006	23.358	ng/u1	0.00
Target Compounds					Qvalue	
52) Acenaphthene	14.686	153	493733	4.345	ng/u1	98
61) Fluorene	15.669	166	345719	2.758	ng/u1	99
72) Phenanthrene	17.410	178	1119762	7.095	ng/u1	100
74) Anthracene	17.498	178	913191	5.733	ng/u1	100
80) Fluoranthene	19.415	202	1618101	11.782	ng/u1	99
82) Pyrene	19.780	202	1461915	10.355	ng/u1	98
85) Benzo(a)anthracene	21.521	228	477522m	4.065	ng/u1	
87) Chrysene	21.574	228	704058	6.663	ng/u1	98
90) Benzo(b)fluoranthene	23.221	252	1051047	8.592	ng/u1	95
91) Benzo(k)fluoranthene	23.268	252	317231m	2.659	ng/u1	
93) Benzo(a)pyrene	23.856	252	366893	3.287	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	26.480	276	300103	2.252	ng/u1	98

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

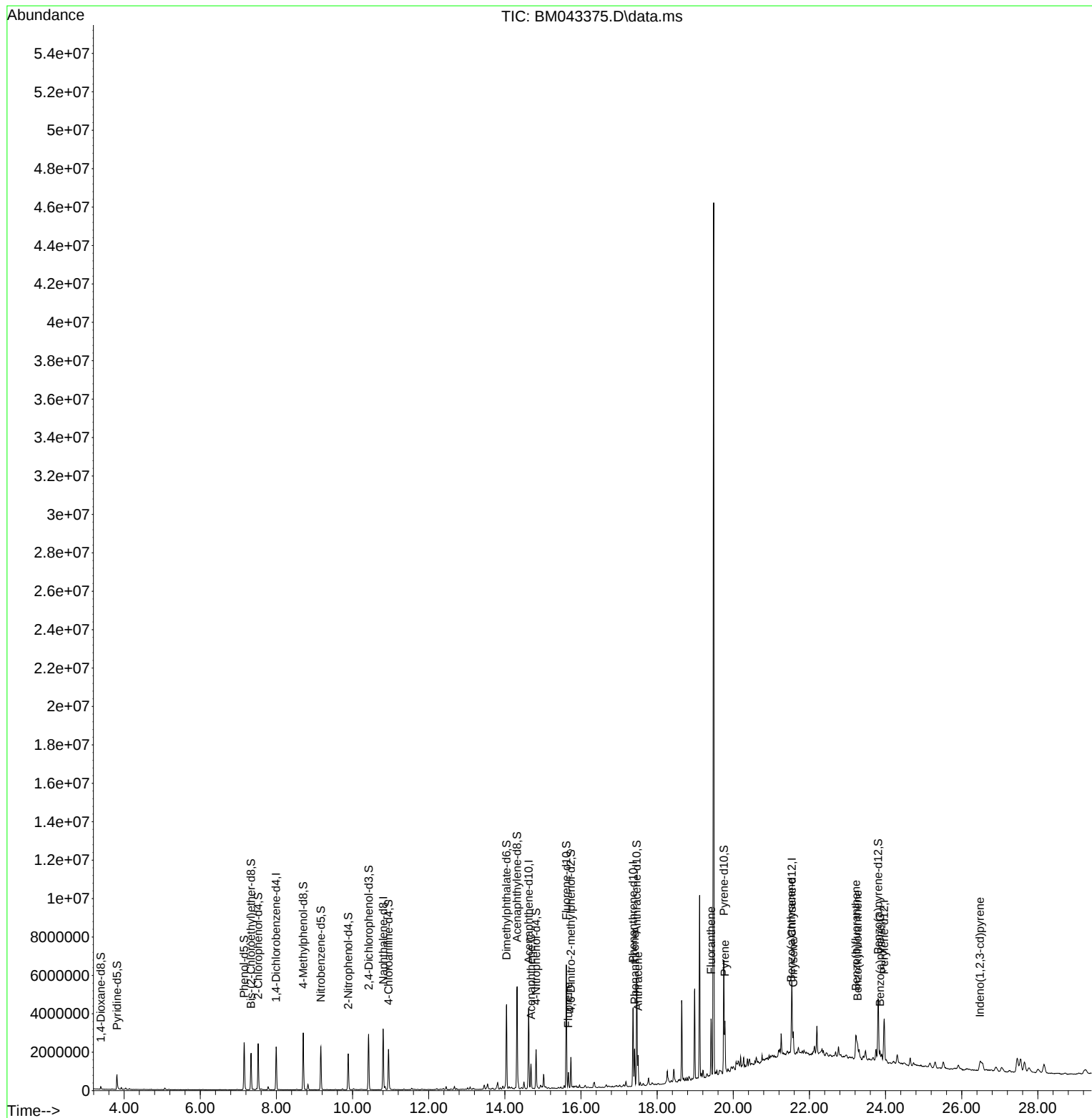
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
Data File : BM043375.D
Acq On : 16 Dec 2023 01:38
Operator : MA/JU
Sample : 05626-18
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ALS Vial : 24 Sample Multiplier: 1

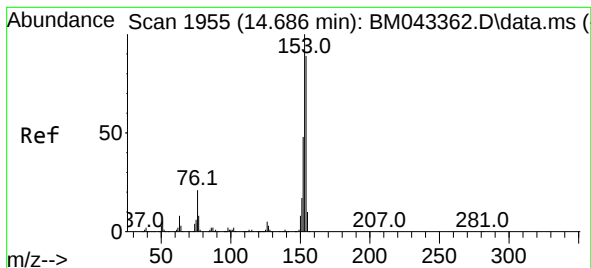
Instrument :
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Quant Time: Dec 16 03:06:29 2023
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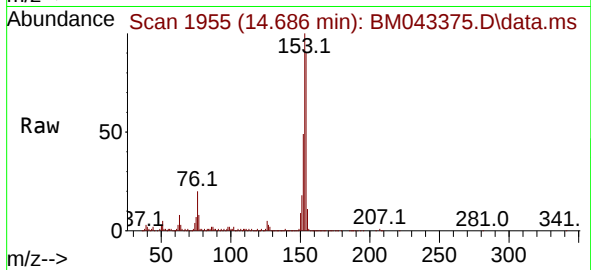
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023





#52
Acenaphthene
Concen: 4.345 ng/u1
RT: 14.686 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38

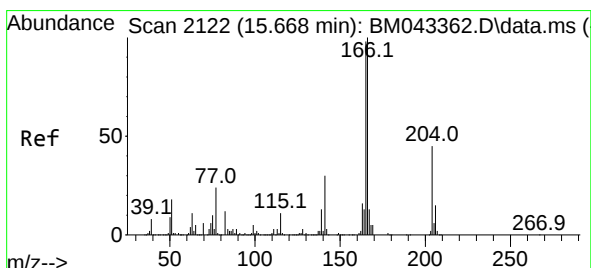
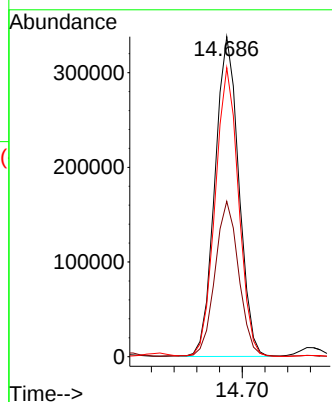
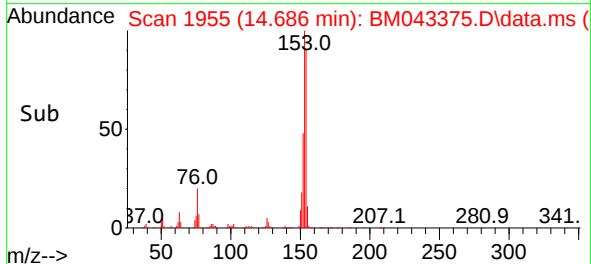
Instrument :
BNA_M
ClientSampleId :
DCLG4



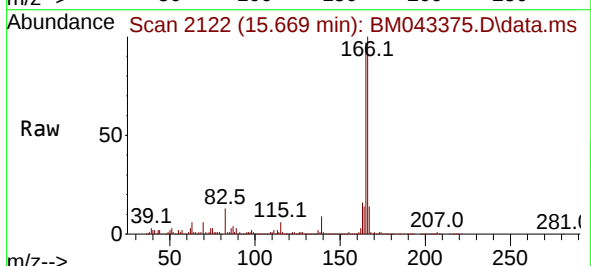
Tgt Ion:153 Resp: 493733
Ion Ratio Lower Upper
153 100
152 48.6 38.1 57.1
154 90.3 70.4 105.6

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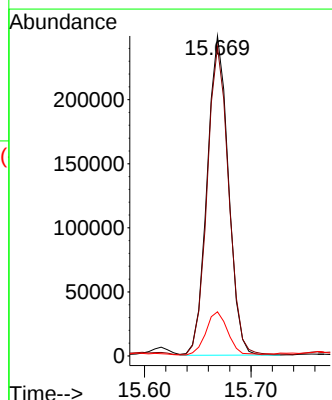
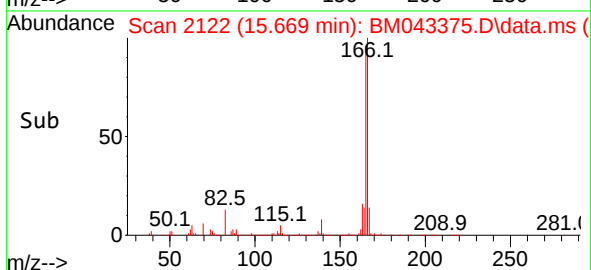
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

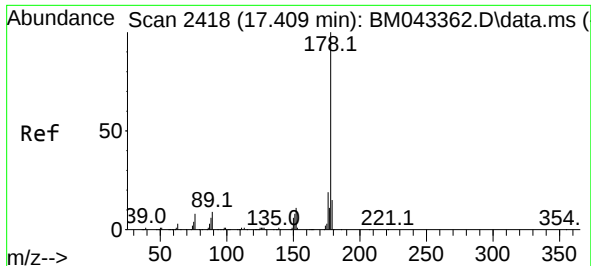


#61
Fluorene
Concen: 2.758 ng/u1
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38



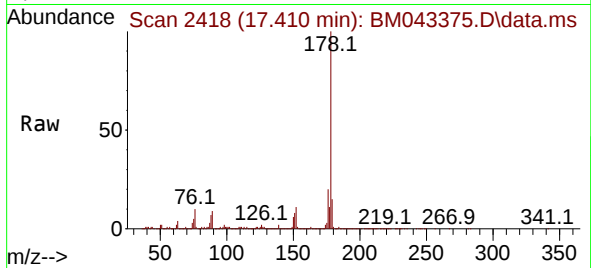
Tgt Ion:166 Resp: 345719
Ion Ratio Lower Upper
166 100
165 96.6 76.9 115.3
167 13.8 10.9 16.3





#72
Phenanthrene
Concen: 7.095 ng/u1
RT: 17.410 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38

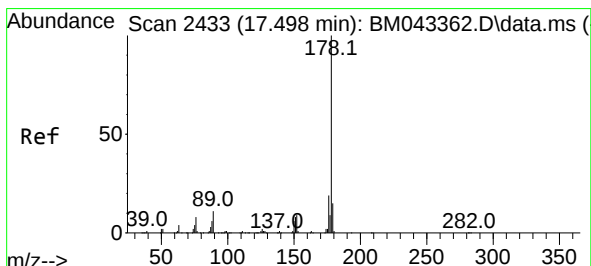
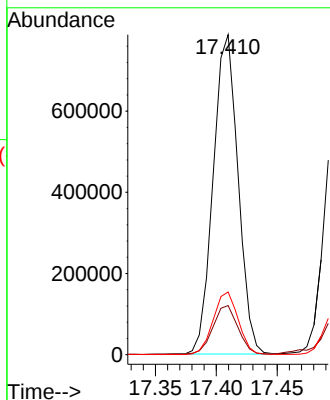
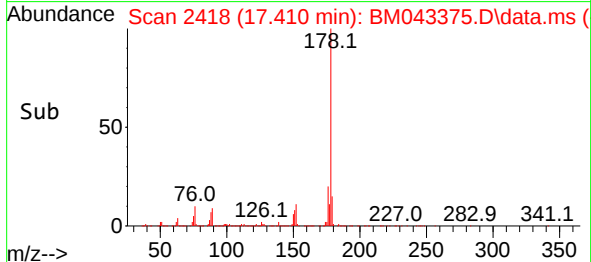
Instrument :
BNA_M
ClientSampleId :
DCLG4



Tgt Ion:178 Resp: 111976
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.6 15.5 23.3

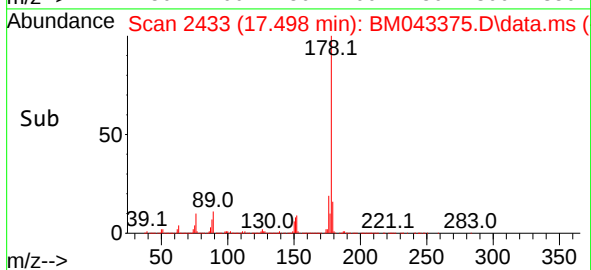
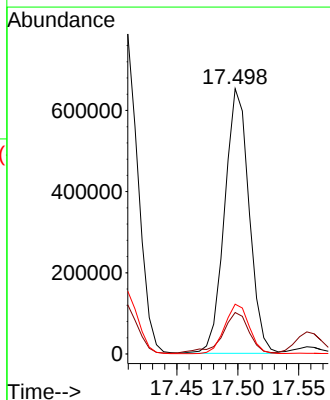
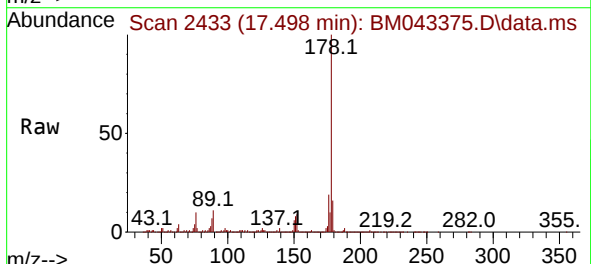
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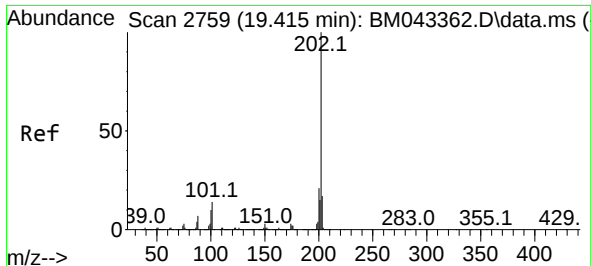
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#74
Anthracene
Concen: 5.733 ng/u1
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38

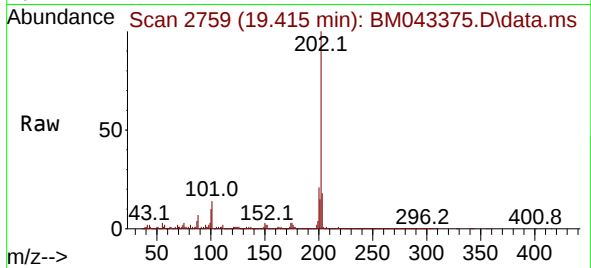
Tgt Ion:178 Resp: 913191
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 18.7 15.2 22.8





#80
Fluoranthene
Concen: 11.782 ng/ul
RT: 19.415 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38

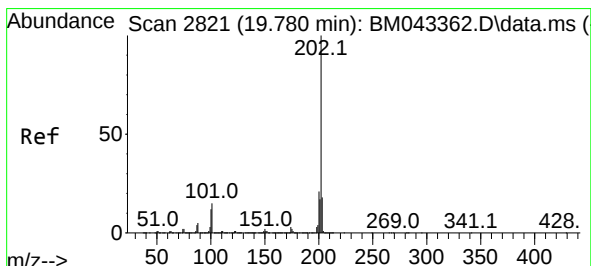
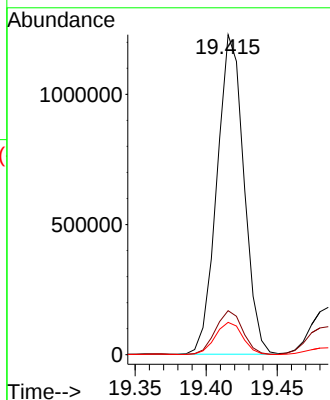
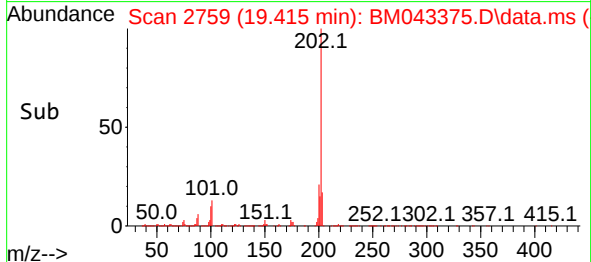
Instrument :
BNA_M
ClientSampleId :
DCLG4



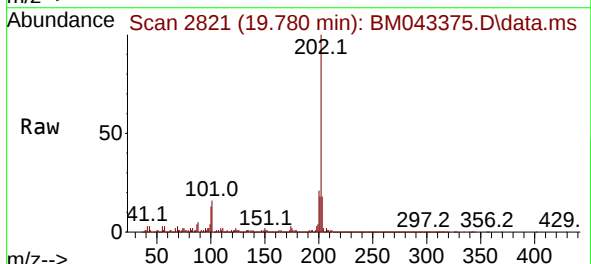
Tgt Ion:202 Resp: 161810
Ion Ratio Lower Upper
202 100
101 13.8 11.4 17.0
100 10.1 8.2 12.4

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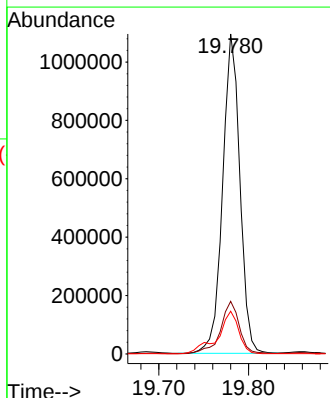
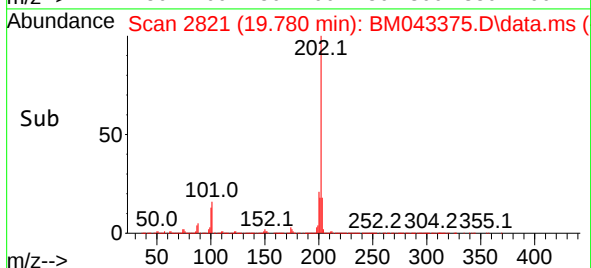
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

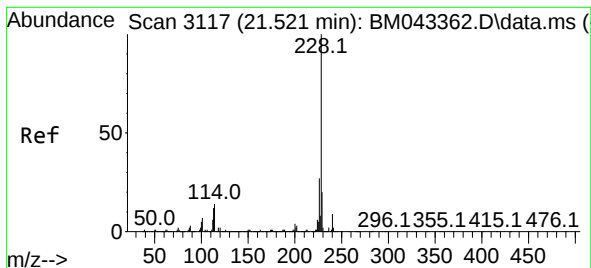


#82
Pyrene
Concen: 10.355 ng/ul
RT: 19.780 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38



Tgt Ion:202 Resp: 1461915
Ion Ratio Lower Upper
202 100
101 16.4 12.7 19.1
100 13.4 10.1 15.1





#85

Benzo(a)anthracene

Concen: 4.065 ng/ul m

RT: 21.521 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM043375.D

Acq: 16 Dec 2023 01:38

Instrument :

BNA_M

ClientSampleId :

DCLG4

Tgt Ion:228 Resp: 47752

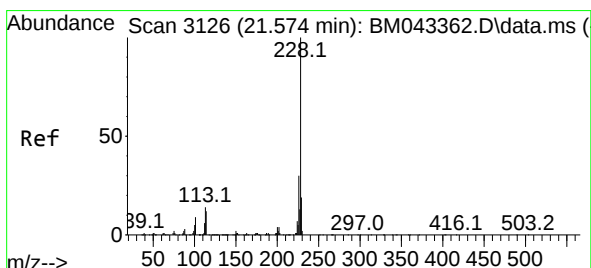
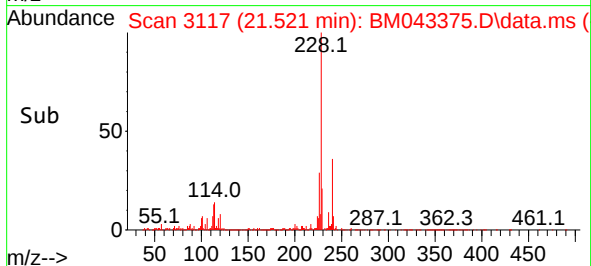
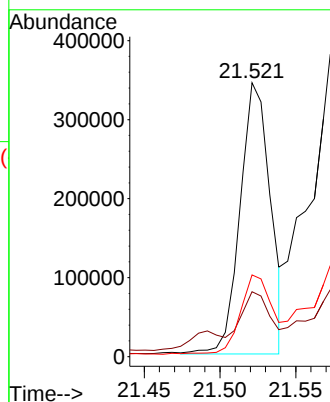
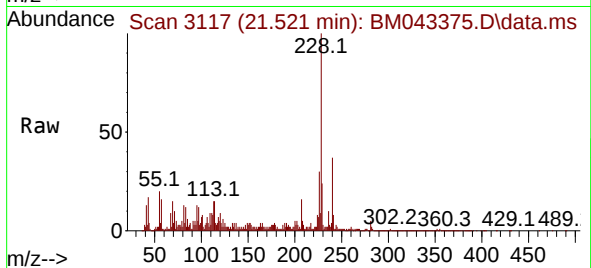
Ion	Ratio	Lower	Upper
228	100		
229	23.7	15.6	23.4
226	29.9	22.2	33.2

Manual Integrations

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Supervised By :mohammad ahmed 12/16/2023



#87

Chrysene

Concen: 6.663 ng/ul

RT: 21.574 min Scan# 3126

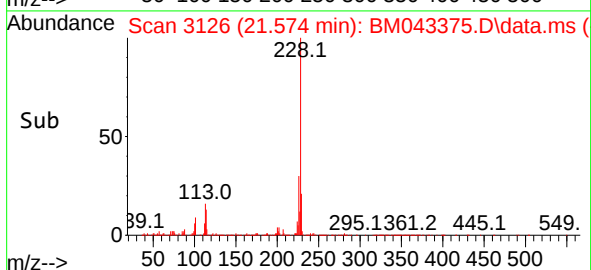
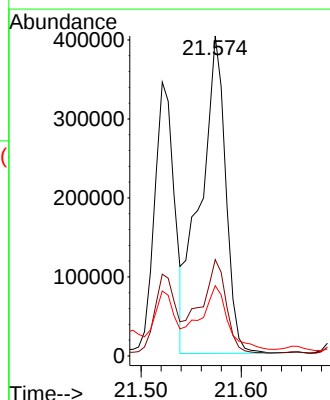
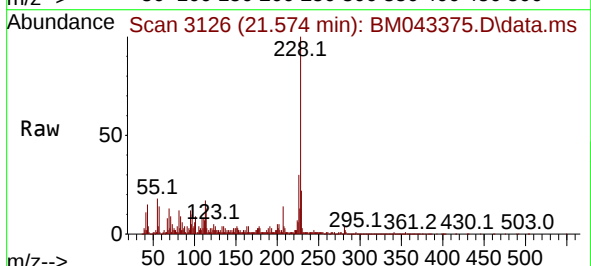
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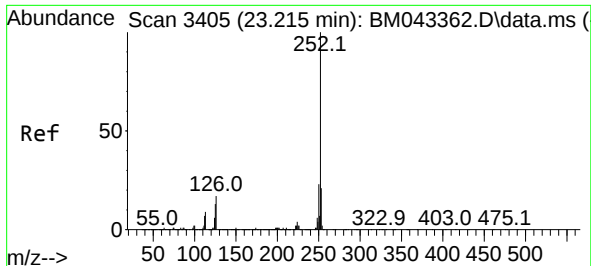
Lab File: BM043375.D

Acq: 16 Dec 2023 01:38

Tgt Ion:228 Resp: 704058

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	21.9	15.9	23.9





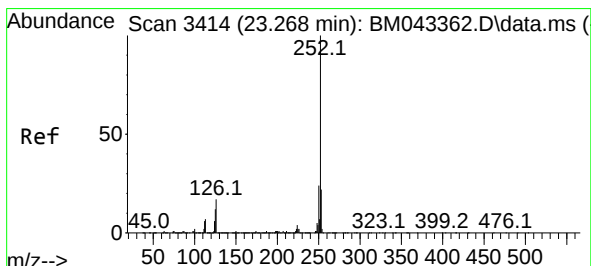
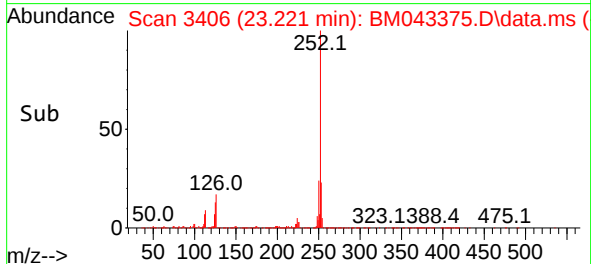
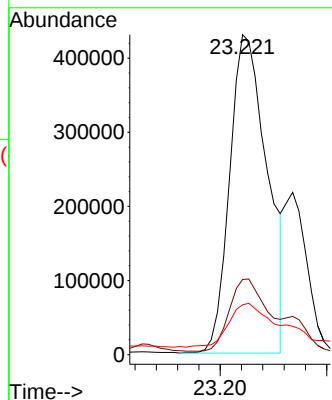
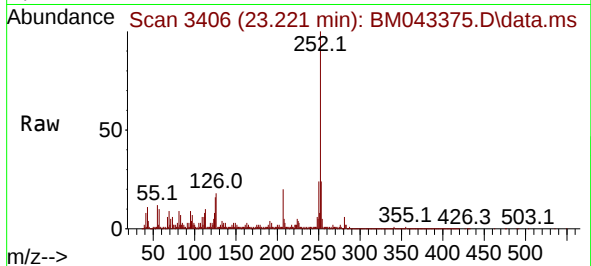
#90
Benzo(b)fluoranthene
Concen: 8.592 ng/ul
RT: 23.221 min Scan# 3405
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38

Instrument :
BNA_M
ClientSampleId :
DCLG4

Tgt Ion:252 Resp: 105104
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 15.6 10.4 15.6

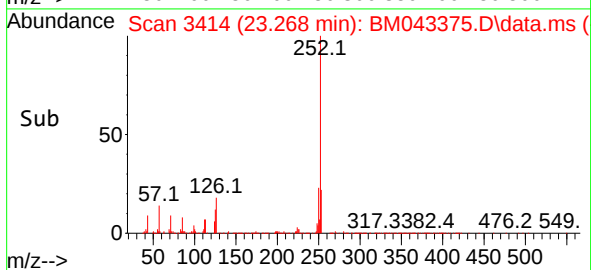
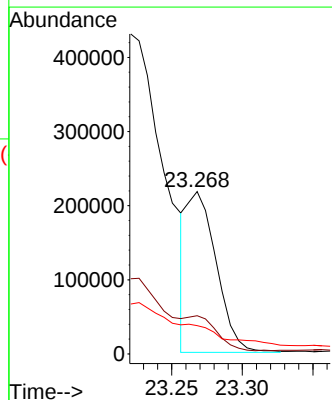
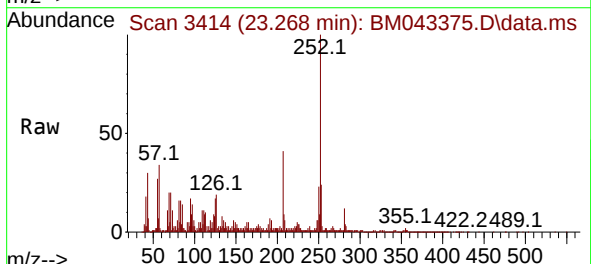
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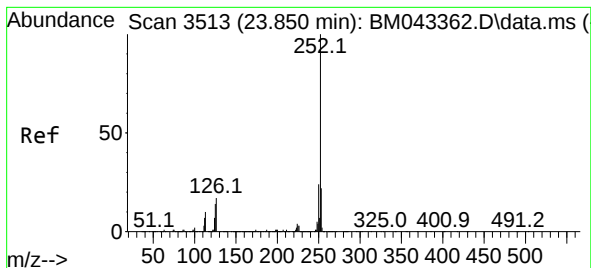
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#91
Benzo(k)fluoranthene
Concen: 2.659 ng/ul m
RT: 23.268 min Scan# 3414
Delta R.T. 0.000 min
Lab File: BM043375.D
Acq: 16 Dec 2023 01:38

Tgt Ion:252 Resp: 317231
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 17.5 10.2 15.4#





#93

Benzo(a)pyrene

Concen: 3.287 ng/ul

RT: 23.856 min Scan# 3513

Delta R.T. 0.006 min

Lab File: BM043375.D

Acq: 16 Dec 2023 01:38

Instrument :

BNA_M

ClientSampleId :

DCLG4

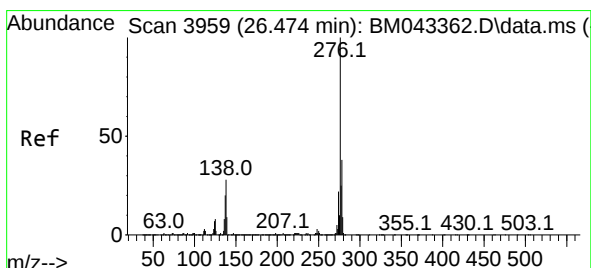
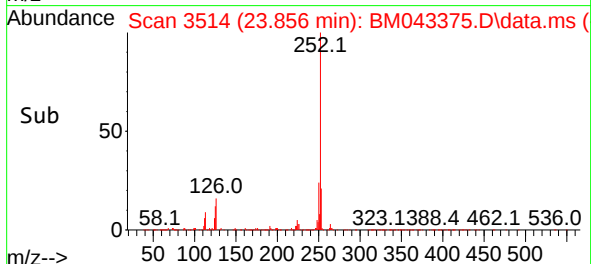
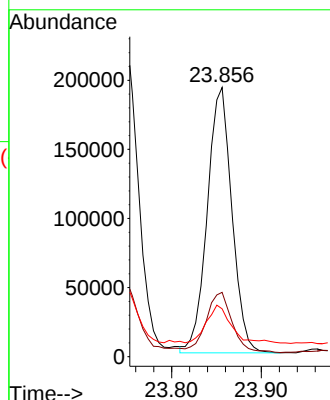
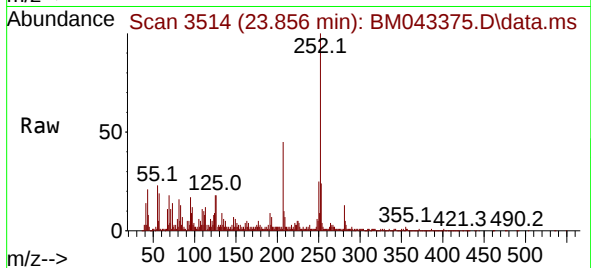
Tgt Ion:	252	Resp:	36689
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	17.7	11.4	17.2

Manual Integrations

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Supervised By :mohammad ahmed 12/16/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.252 ng/ul

RT: 26.480 min Scan# 3960

Delta R.T. 0.000 min

Lab File: BM043375.D

Acq: 16 Dec 2023 01:38

Tgt Ion:	276	Resp:	300103
Ion Ratio	Lower	Upper	
276	100		
138	29.1	22.6	34.0
277	25.4	19.7	29.5

