

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043313.D
 Acq On : 13 Dec 2023 22:13
 Operator : MA/JU
 Sample : 05690-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLH3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/15/2023

Quant Time: Dec 13 23:15:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	405788	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	1862569	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	1065980	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	1949158	20.000	ng/u1	# 0.01
79) Chrysene-d12	21.539	240	1287161	20.000	ng/u1	# 0.00
88) Perylene-d12	23.956	264	1220542	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	37172	3.595	ng/uL	0.00
4) Pyridine-d5	3.822	84	210789	6.871	ng/u1	0.00
7) Phenol-d5	7.157	99	866731	21.515	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.339	67	544076	21.816	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	654321	21.305	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	635108	19.927	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	343976	21.667	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	359935	23.512	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	634418	18.593	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	700175	14.261	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	1923557	20.585	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	2297744	21.254	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	314041	18.755	ng/u1	0.00
60) Fluorene-d10	15.615	176	1621762	19.910	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	45519	4.243	ng/u1	0.01
73) Anthracene-d10	17.474	188	2278466	21.607	ng/u1	0.01
81) Pyrene-d10	19.750	212	2417846	29.357	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	1628385	22.864	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.857	128	2019638	17.666	ng/u1	100
36) 2-Methylnaphthalene	12.463	142	2781751	33.820	ng/u1	100
37) 1-Methylnaphthalene	12.680	142	1477069	17.692	ng/u1	99
50) Acenaphthylene	14.351	152	175867	1.439	ng/u1#	86
52) Acenaphthene	14.698	153	8218027	101.968	ng/u1	99
61) Fluorene	15.680	166	11855443	124.401	ng/u1	99
72) Phenanthrene	17.409	178	23232891m	191.146	ng/u1	
74) Anthracene	17.509	178	18932975m	154.635	ng/u1	
80) Fluoranthene	19.421	202	16917458m	179.066	ng/u1	
82) Pyrene	19.786	202	14097506	143.447	ng/u1#	88
85) Benzo(a)anthracene	21.527	228	2755281	27.919	ng/u1	99
87) Chrysene	21.580	228	2513065	28.511	ng/u1	98
90) Benzo(b)fluoranthene	23.221	252	1241717	14.259	ng/u1#	93
91) Benzo(k)fluoranthene	23.268	252	469122	5.409	ng/u1#	92
93) Benzo(a)pyrene	23.850	252	622130	7.729	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	26.474	276	245732	2.680	ng/u1#	91
96) Benzo(g,h,i)perylene	27.250	276	120003	1.737	ng/u1#	86

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

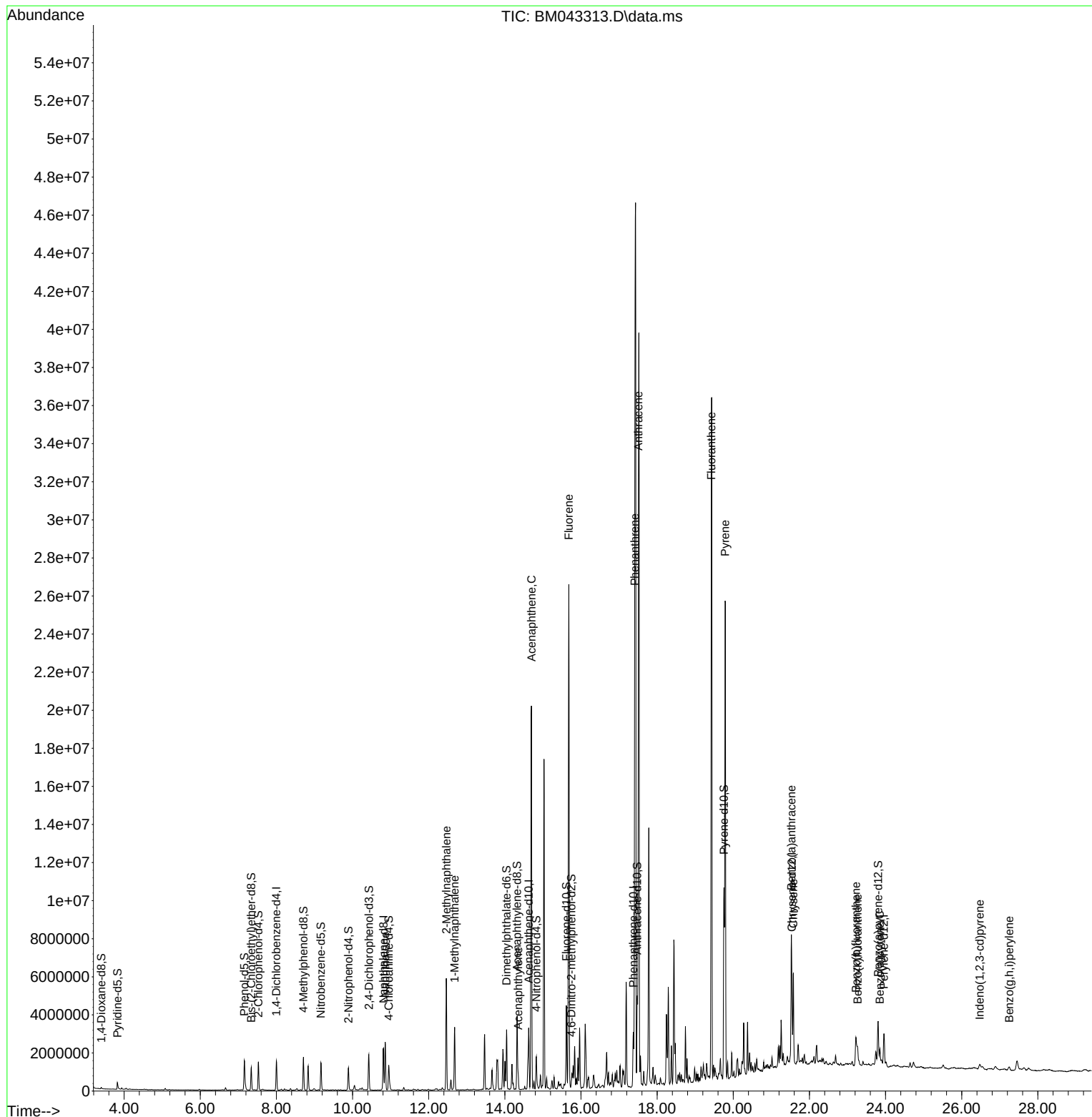
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
Data File : BM043313.D
Acq On : 13 Dec 2023 22:13
Operator : MA/JU
Sample : 05690-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

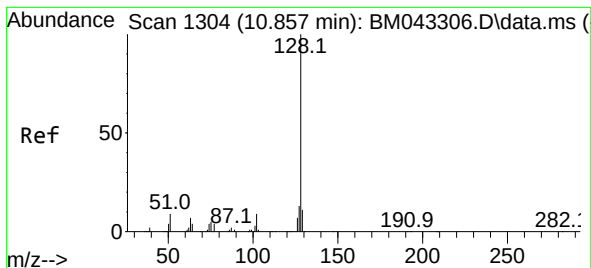
Instrument :
BNA_M
ClientSampleId :
DCLH3

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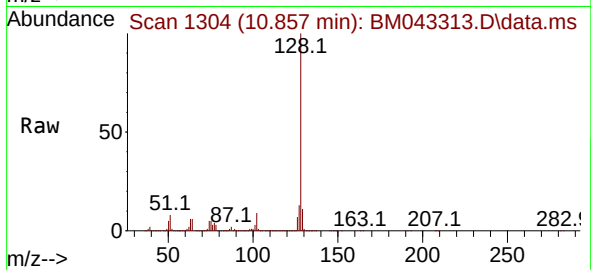
Quant Time: Dec 13 23:15:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 22:33:14 2023
Response via : Initial Calibration





#30
Naphthalene
Concen: 17.666 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

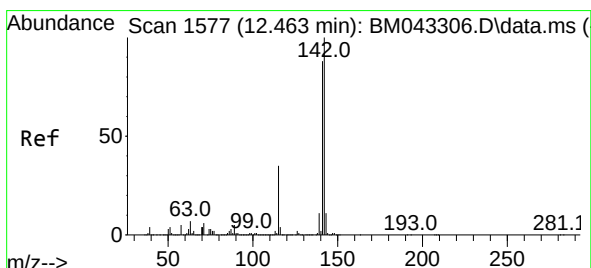
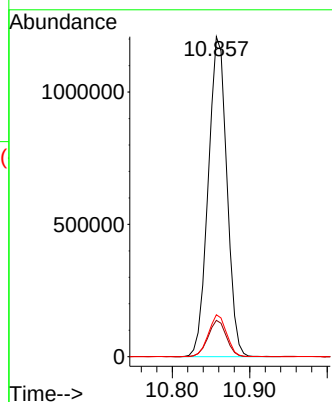
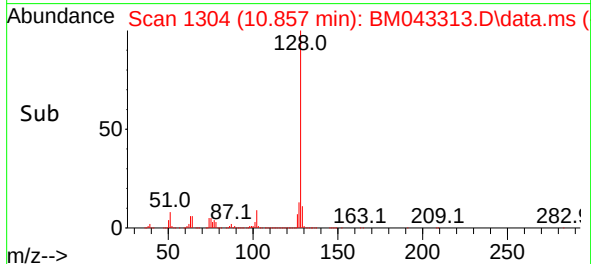
Instrument :
BNA_M
ClientSampleId :
DCLH3



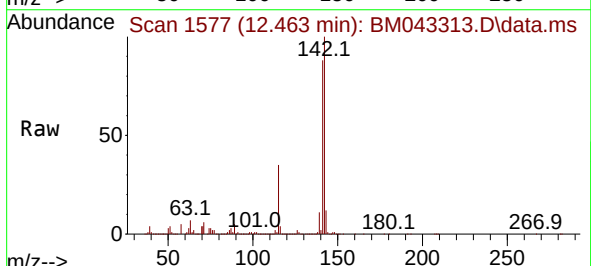
Tgt Ion:128 Resp: 2019638
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.1 10.4 15.6

Manual Integrations
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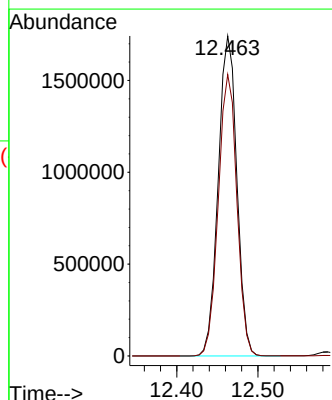
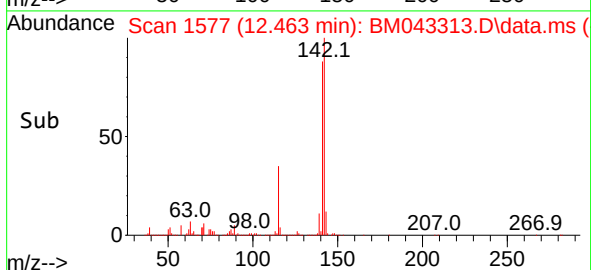
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023

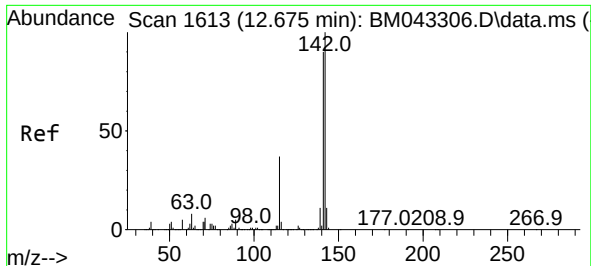


#36
2-Methylnaphthalene
Concen: 33.820 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13



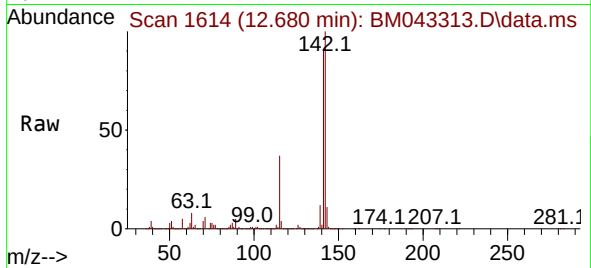
Tgt Ion:142 Resp: 2781751
Ion Ratio Lower Upper
142 100
141 88.0 70.0 105.0





#37
1-Methylnaphthalene
Concen: 17.692 ng/ul
RT: 12.680 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

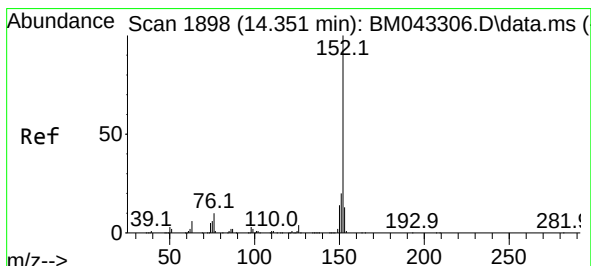
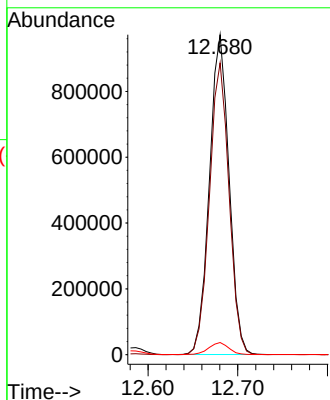
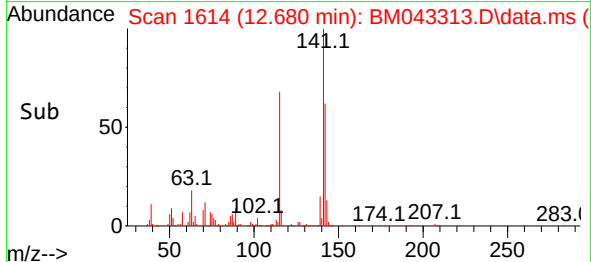
Instrument :
BNA_M
ClientSampleId :
DCLH3



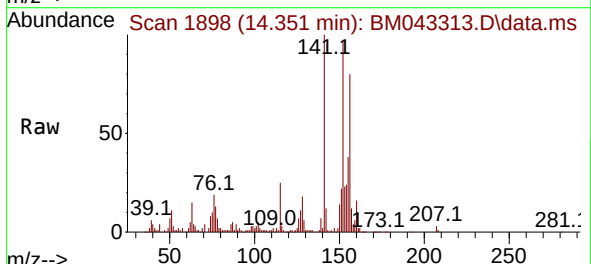
Tgt Ion:142 Resp: 1477069
Ion Ratio Lower Upper
142 100
141 91.2 71.9 107.9
116 3.8 2.8 4.2

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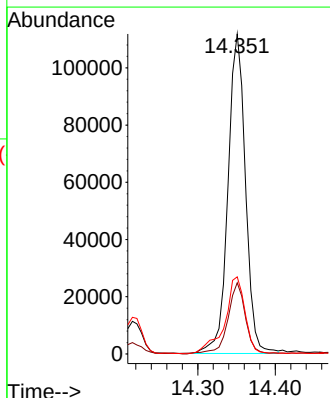
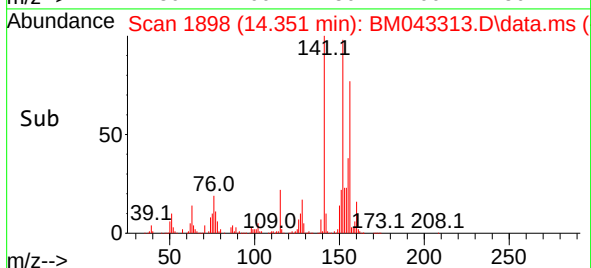
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023

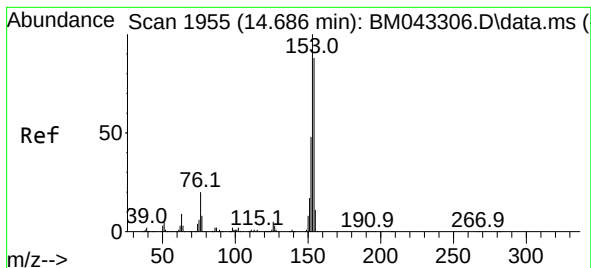


#50
Acenaphthylene
Concen: 1.439 ng/ul
RT: 14.351 min Scan# 1898
Delta R.T. -0.000 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13



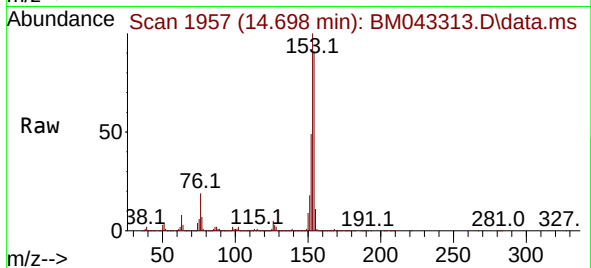
Tgt Ion:152 Resp: 175867
Ion Ratio Lower Upper
152 100
151 22.3 16.0 24.0
153 24.1 10.3 15.5#





#52
Acenaphthene
Concen: 101.968 ng/u1
RT: 14.698 min Scan# 1957
Delta R.T. 0.012 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

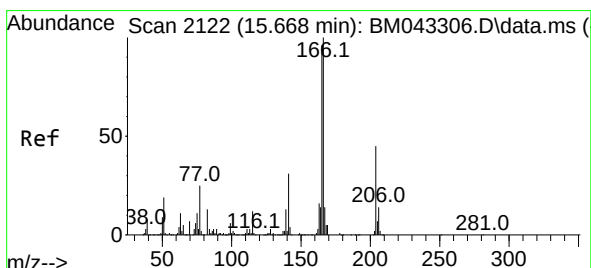
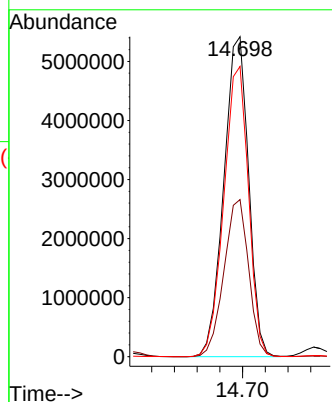
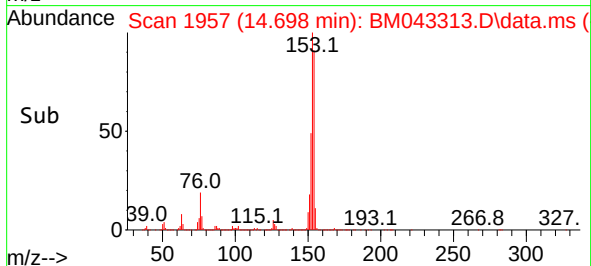
Instrument :
BNA_M
ClientSampleId :
DCLH3



Tgt Ion:153 Resp: 821802
Ion Ratio Lower Upper
153 100
152 49.1 38.6 58.0
154 90.7 71.6 107.4

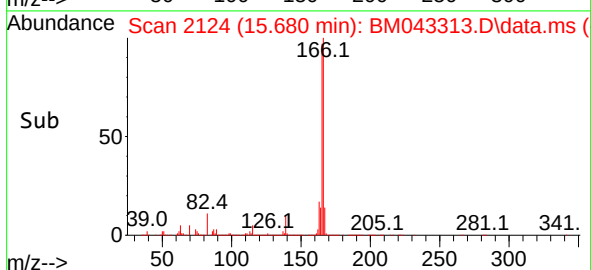
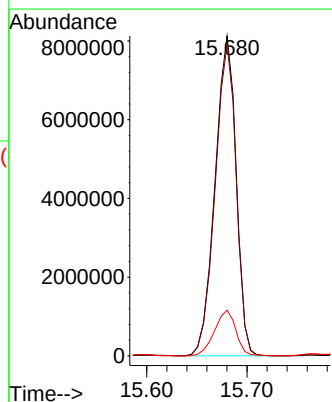
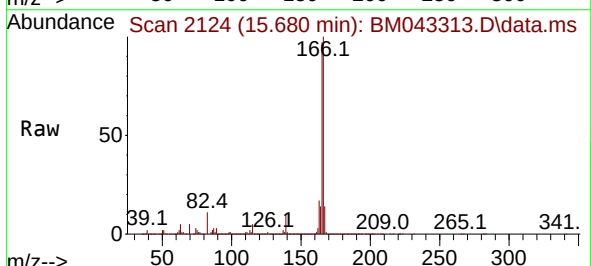
Manual Integrations
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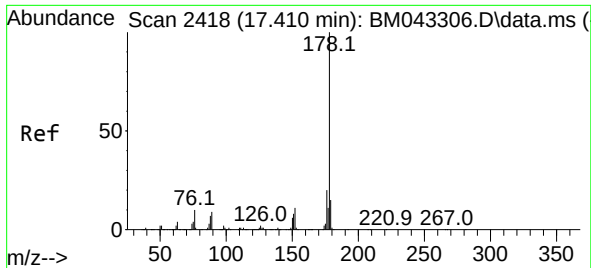
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



#61
Fluorene
Concen: 124.401 ng/u1
RT: 15.680 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

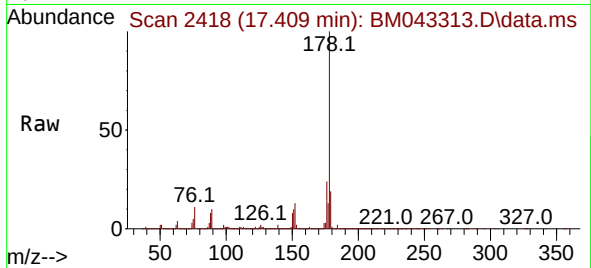
Tgt Ion:166 Resp:11855443
Ion Ratio Lower Upper
166 100
165 97.4 77.5 116.3
167 14.3 10.7 16.1





#72
Phenanthrene
Concen: 191.146 ng/ul m
RT: 17.409 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

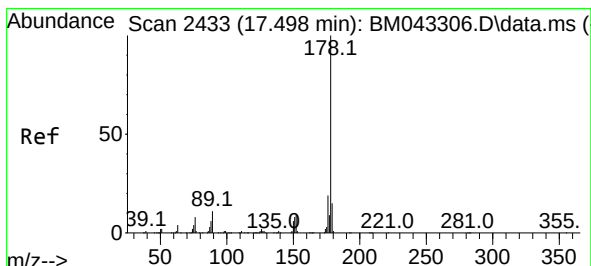
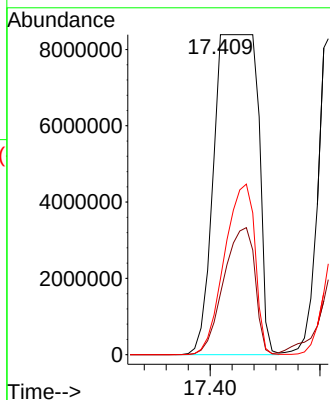
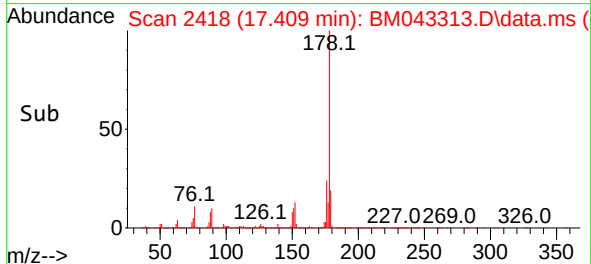
Instrument :
BNA_M
ClientSampleId :
DCLH3



Tgt Ion:178 Resp:2323289
Ion Ratio Lower Upper
178 100
179 19.1 12.2 18.2
176 23.7 15.7 23.5

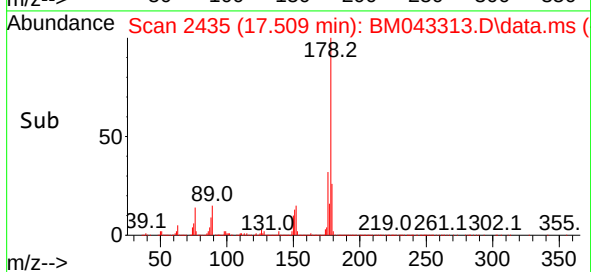
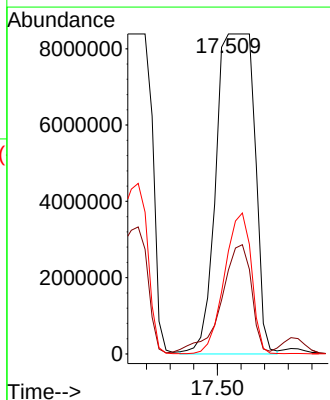
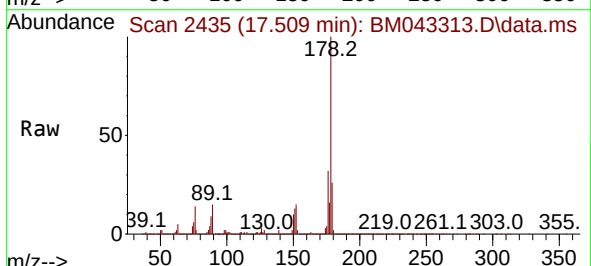
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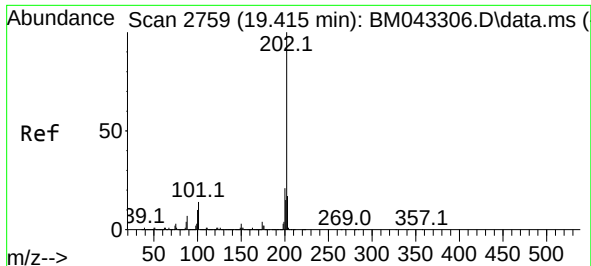
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



#74
Anthracene
Concen: 154.635 ng/ul m
RT: 17.509 min Scan# 2435
Delta R.T. 0.012 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Tgt Ion:178 Resp:18932975
Ion Ratio Lower Upper
178 100
179 26.2 12.1 18.1#
176 32.2 15.1 22.7#





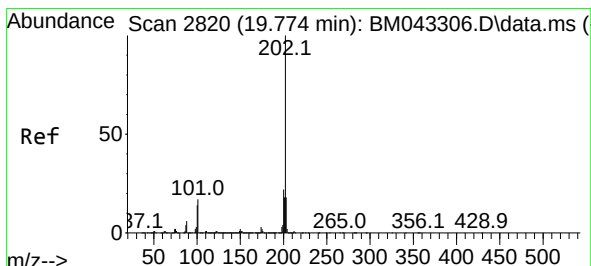
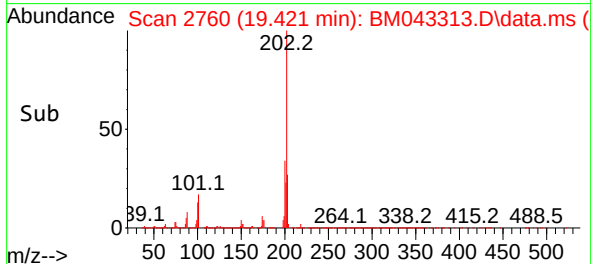
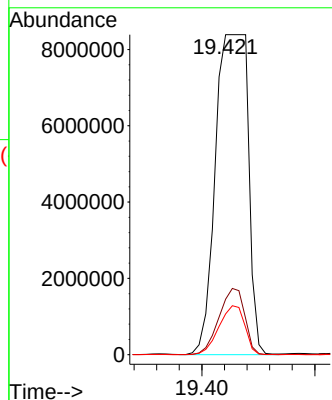
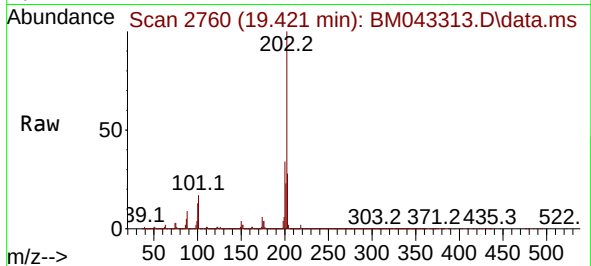
#80
Fluoranthene
Concen: 179.066 ng/ul m
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Instrument :
BNA_M
ClientSampleId :
DCLH3

Tgt Ion:202 Resp:16917458
Ion Ratio Lower Upper
202 100
101 17.3 8.2 12.2#
100 12.8 6.1 9.1#

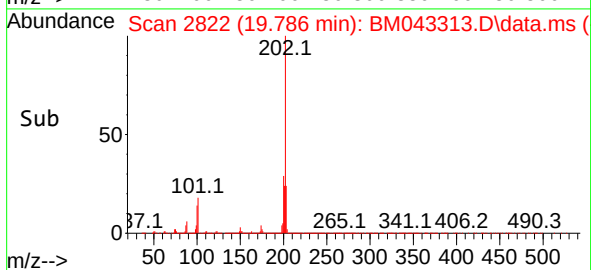
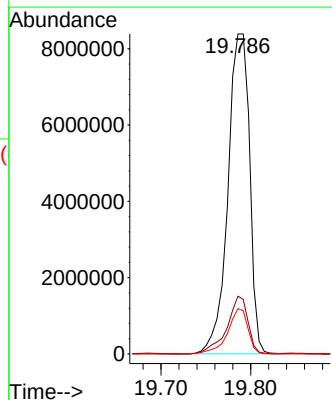
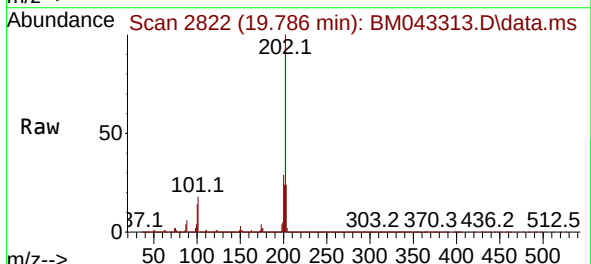
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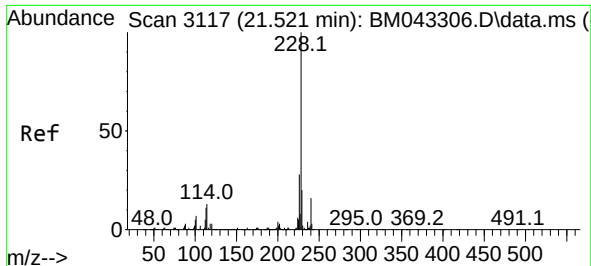
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



#82
Pyrene
Concen: 143.447 ng/ul
RT: 19.786 min Scan# 2822
Delta R.T. 0.012 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Tgt Ion:202 Resp:14097506
Ion Ratio Lower Upper
202 100
101 18.0 10.2 15.2#
100 14.2 8.2 12.2#





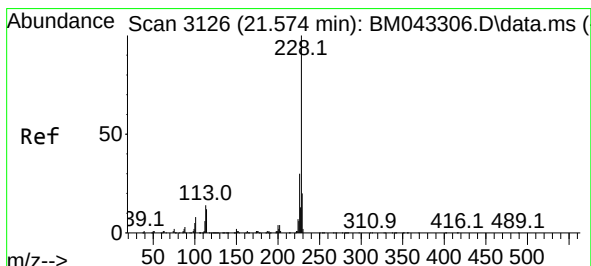
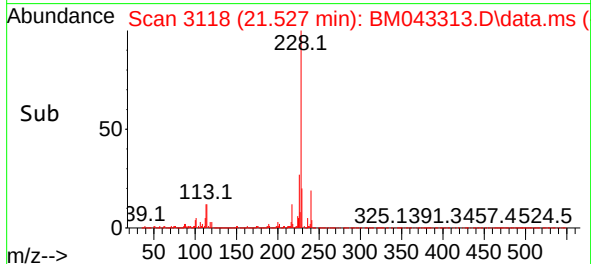
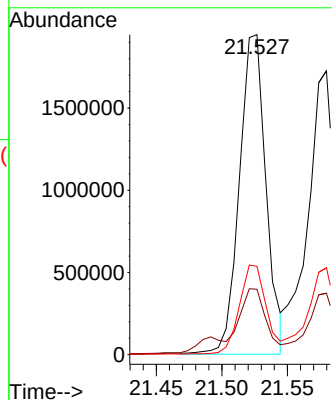
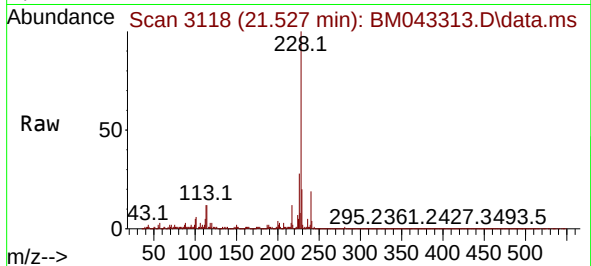
#85
Benzo(a)anthracene
Concen: 27.919 ng/uI
RT: 21.527 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Instrument :
BNA_M
ClientSampleId :
DCLH3

Tgt Ion:228 Resp: 275528
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.8
226 27.6 22.2 33.4

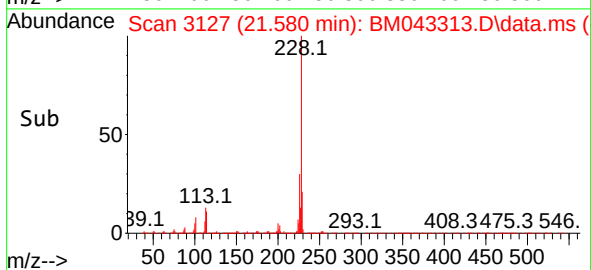
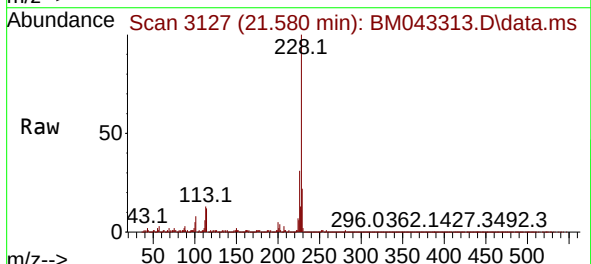
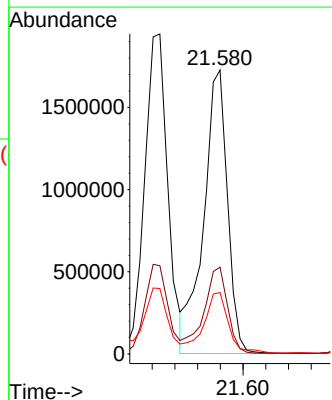
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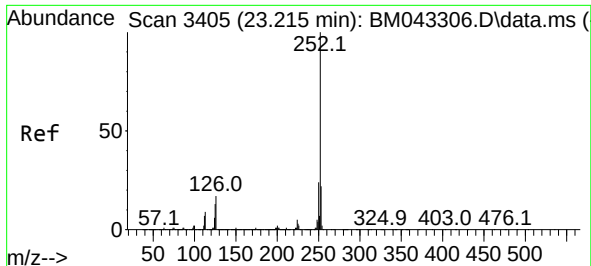
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



#87
Chrysene
Concen: 28.511 ng/uI
RT: 21.580 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Tgt Ion:228 Resp: 2513065
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 21.6 16.2 24.2





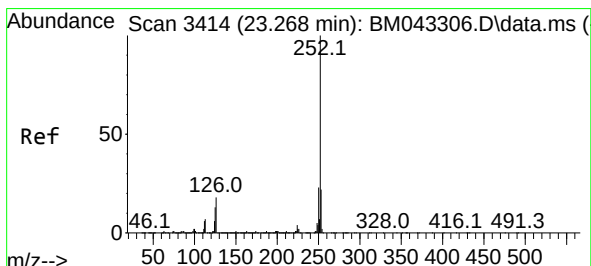
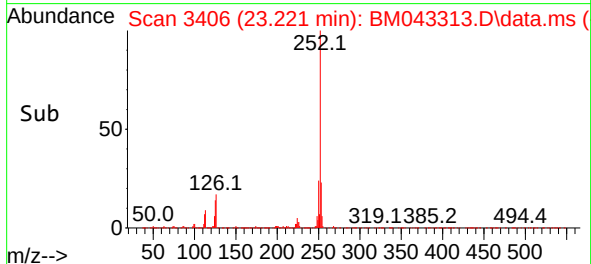
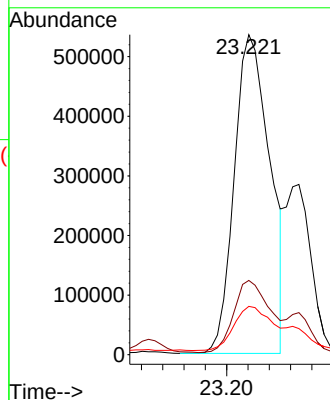
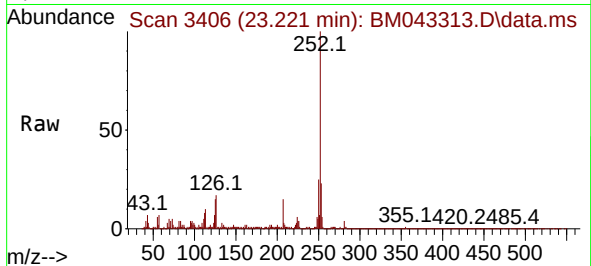
#90
Benzo(b)fluoranthene
Concen: 14.259 ng/ul
RT: 23.221 min Scan# 3405
Delta R.T. 0.006 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Instrument :
BNA_M
ClientSampleId :
DCLH3

Tgt Ion:252 Resp: 124171
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 15.1 7.2 10.8

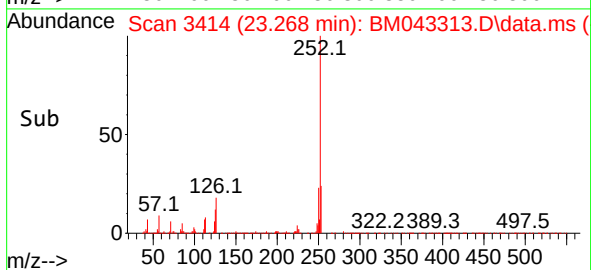
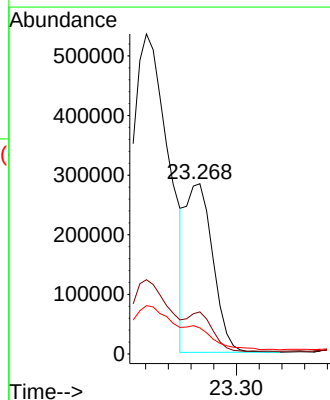
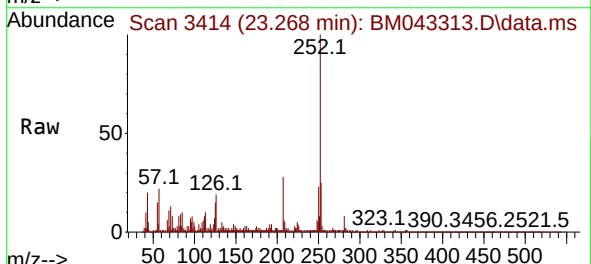
Manual Integrations
APPROVED

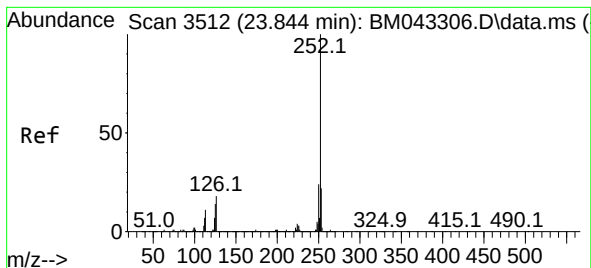
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/15/2023



#91
Benzo(k)fluoranthene
Concen: 5.409 ng/ul
RT: 23.268 min Scan# 3414
Delta R.T. -0.000 min
Lab File: BM043313.D
Acq: 13 Dec 2023 22:13

Tgt Ion:252 Resp: 469122
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 15.3 7.7 11.5





#93

Benzo(a)pyrene

Concen: 7.729 ng/ul

RT: 23.850 min Scan# 3512

Delta R.T. 0.006 min

Lab File: BM043313.D

Acq: 13 Dec 2023 22:13

Instrument :

BNA_M

ClientSampleId :

DCLH3

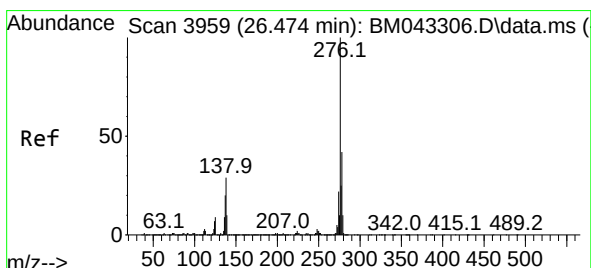
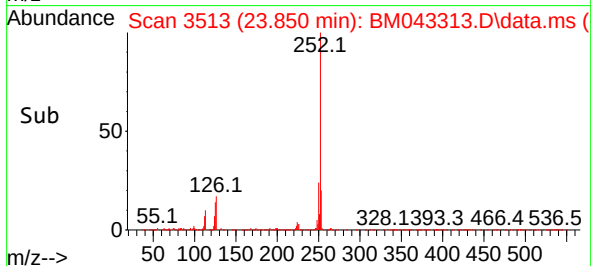
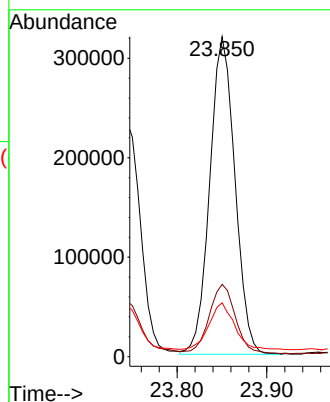
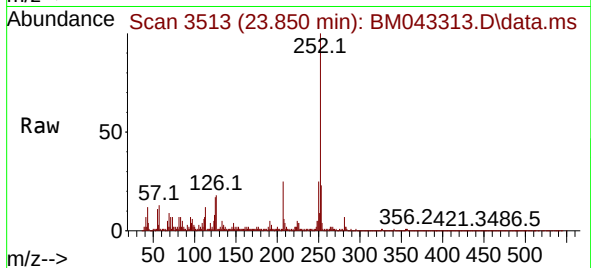
Tgt Ion:	252	Resp:	622130
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	16.8	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/15/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.680 ng/ul

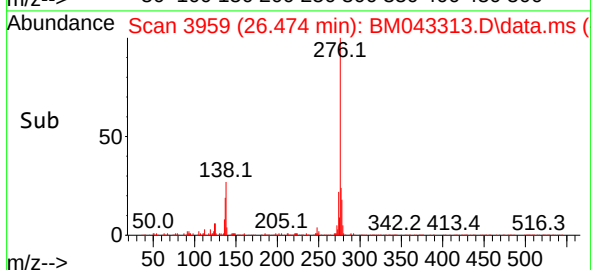
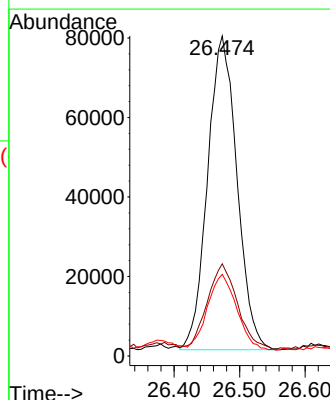
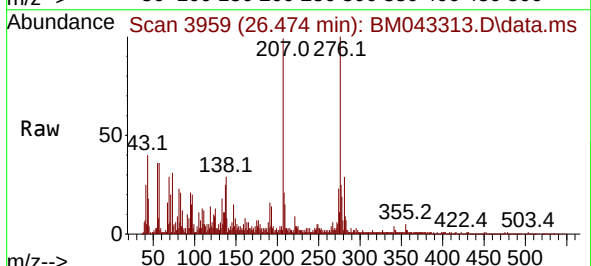
RT: 26.474 min Scan# 3959

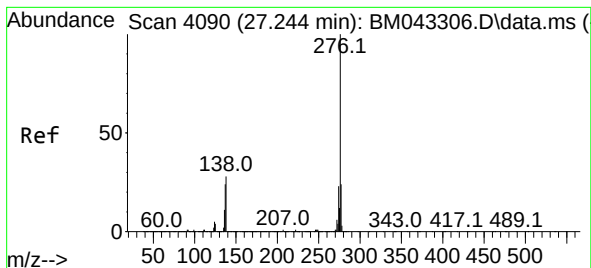
Delta R.T. -0.000 min

Lab File: BM043313.D

Acq: 13 Dec 2023 22:13

Tgt Ion:	276	Resp:	245732
Ion Ratio	Lower	Upper	
276	100		
138	28.8	16.9	25.3
277	25.5	19.5	29.3





#96

Benzo(g,h,i)perylene

Concen: 1.737 ng/ul

RT: 27.250 min Scan# 4090

Delta R.T. 0.006 min

Lab File: BM043313.D

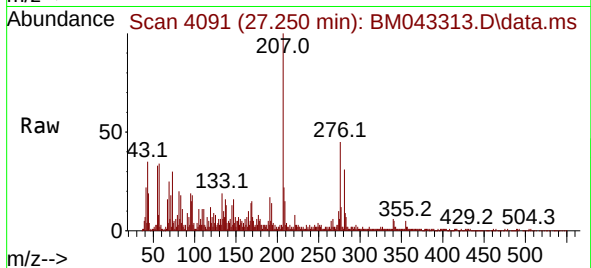
Acq: 13 Dec 2023 22:13

Instrument :

BNA_M

ClientSampleId :

DCLH3



Tgt Ion: 276 Resp: 12000

Ion Ratio Lower Upper

276 100

138 29.3 16.2 24.2

277 27.4 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/15/2023

