

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050323\
 Data File : BP014939.D
 Acq On : 03 May 2023 20:17
 Operator : CG/JU
 Sample : 02419-22DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW919DL

Quant Time: May 04 09:23:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 03 23:33:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	314224	20.000	ng/u1	0.00
20) Naphthalene-d8	10.998	136	1299834	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	686597	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.569	188	1113364	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	887151	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1139548	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	11255	1.332	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.305	99	204476	7.506	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	133375	7.921	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	167555	8.365	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	152453	7.262	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	74450	8.053	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	75987	8.005	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	145577	7.810	ng/u1	0.00
31) 4-Chloroaniline-d4	11.134	131	82852	3.073	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	445949	9.177	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	510479	8.759	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.798	176	356013	8.516	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.910	200	6955	1.110	ng/u1	0.00
73) Anthracene-d10	17.663	188	457436	9.144	ng/u1	0.00
81) Pyrene-d10	19.880	212	472233	7.892	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.080	264	536917	9.670	ng/u1	0.00
Target Compounds						
					Qvalue	
36) 2-Methylnaphthalene	12.645	142	47614	1.078	ng/u1	100
52) Acenaphthene	14.875	153	95935	2.098	ng/u1	98
56) Dibenzofuran	15.204	168	80733	1.309	ng/u1	99
61) Fluorene	15.857	166	96787	1.989	ng/u1	97
72) Phenanthrene	17.610	178	1649649	26.820	ng/u1	100
74) Anthracene	17.698	178	395107	6.452	ng/u1	99
77) Carbazole	17.963	167	146067	2.836	ng/u1	99
80) Fluoranthene	19.557	202	2785271	37.936	ng/u1	99
82) Pyrene	19.910	202	2481599	31.902	ng/u1	99
85) Benzo(a)anthracene	21.633	228	1274405	21.522	ng/u1	99
87) Chrysene	21.686	228	1254539	21.041	ng/u1	98
90) Benzo(b)fluoranthene	23.451	252	1834161	24.905	ng/u1	98
91) Benzo(k)fluoranthene	23.498	252	730971m	9.752	ng/u1	
93) Benzo(a)pyrene	24.133	252	1395859	21.612	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.003	276	1052465	13.359	ng/u1	96
95) Dibenzo(a,h)anthracene	27.015	278	264593	4.098	ng/u1#	81
96) Benzo(g,h,i)perylene	27.862	276	979938	14.614	ng/u1	98

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

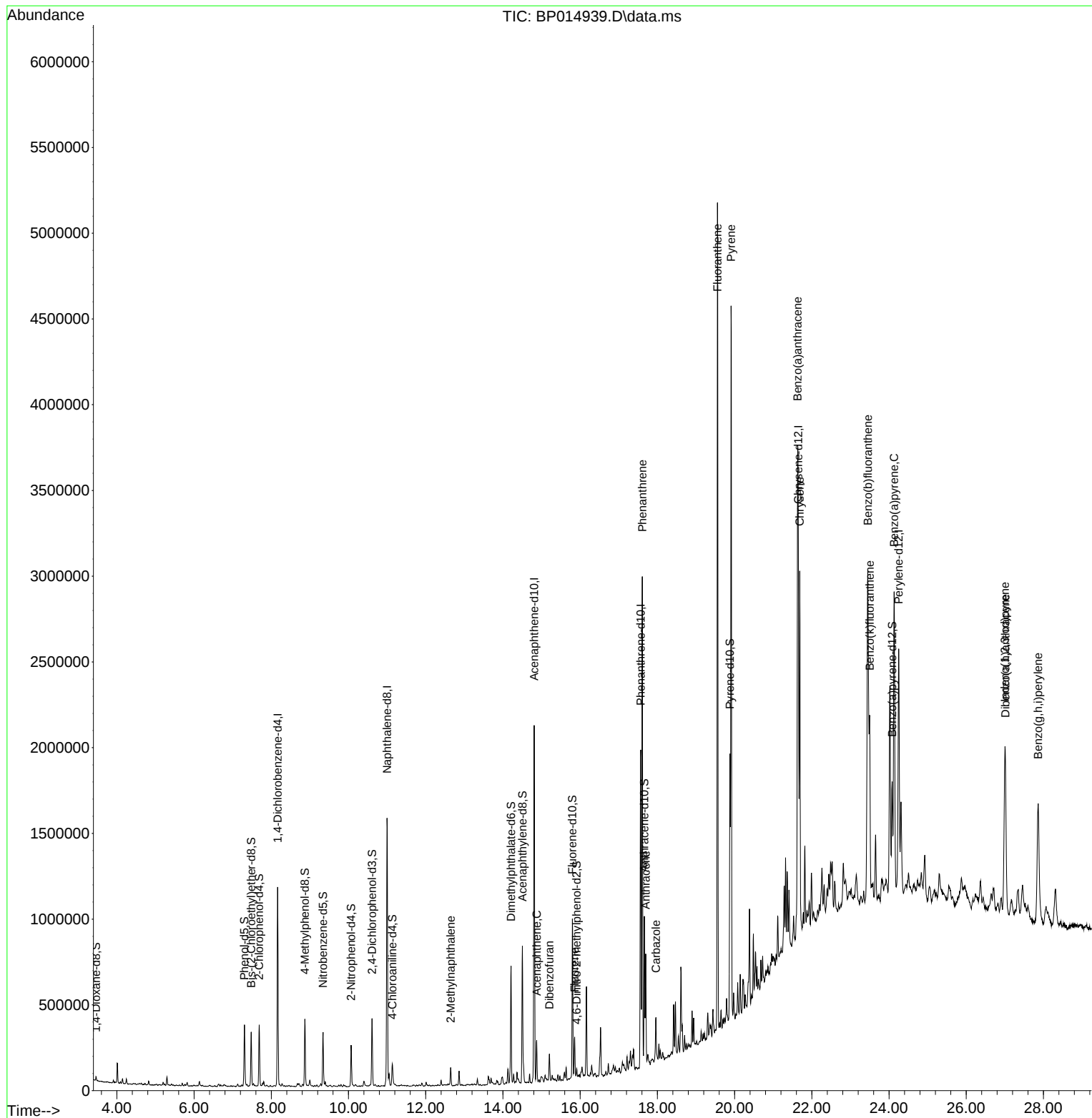
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050323\
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 Misc :
 ALS Vial : 15 Sample Multiplier: 1

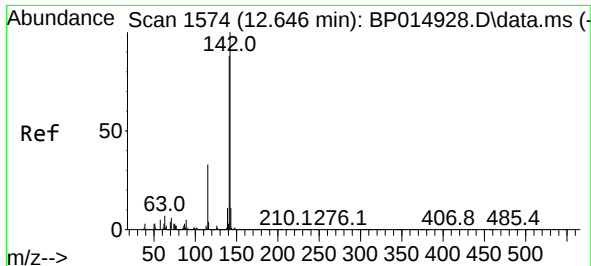
Instrument :
 BNA_P
 ClientSampleId :
 EW919DL

Quant Time: May 04 09:23:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
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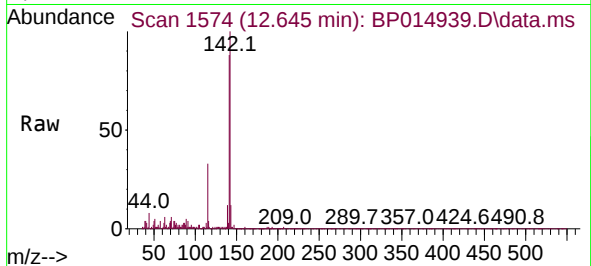
Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023





#36
2-Methylnaphthalene
Concen: 1.078 ng/ul
RT: 12.645 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

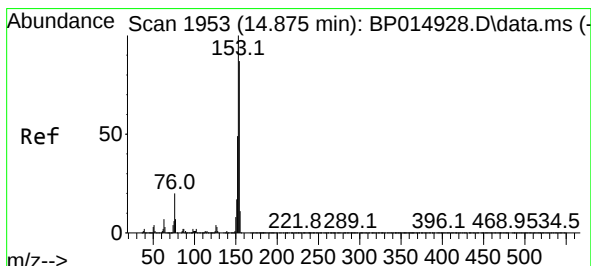
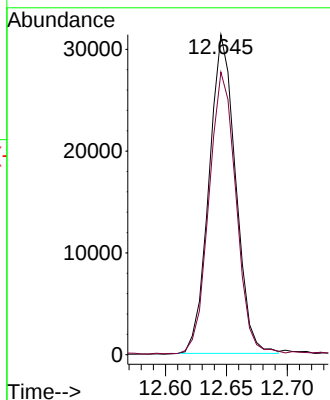
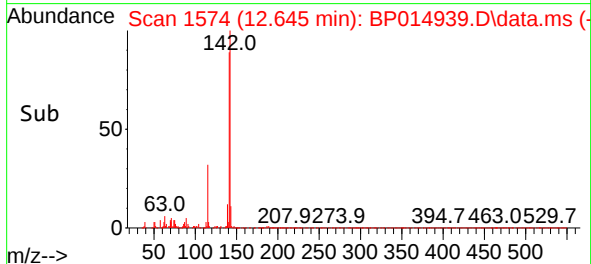
Instrument :
BNA_P
ClientSampleId :
EW919DL



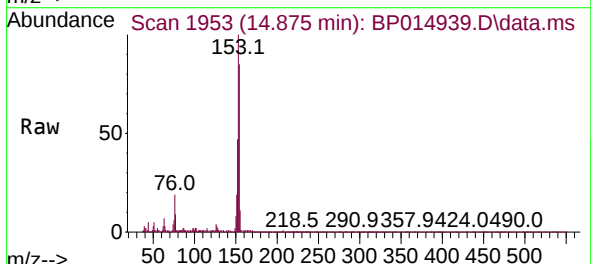
Tgt Ion:142 Resp: 47614
Ion Ratio Lower Upper
142 100
141 88.3 70.5 105.7

Manual Integrations
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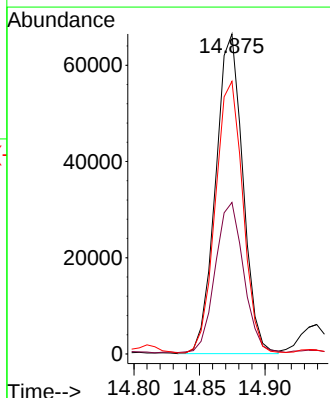
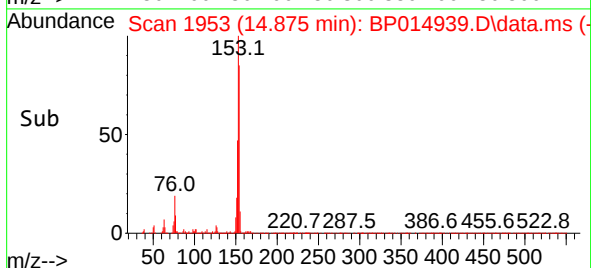
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

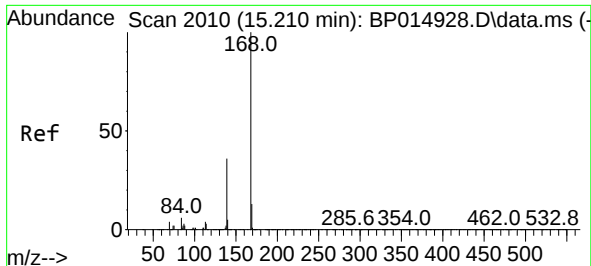


#52
Acenaphthene
Concen: 2.098 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17



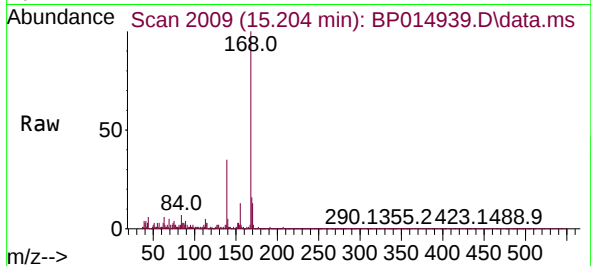
Tgt Ion:153 Resp: 95935
Ion Ratio Lower Upper
153 100
152 47.3 38.8 58.2
154 85.2 69.6 104.4





#56
Dibenzenofuran
Concen: 1.309 ng/ul
RT: 15.204 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

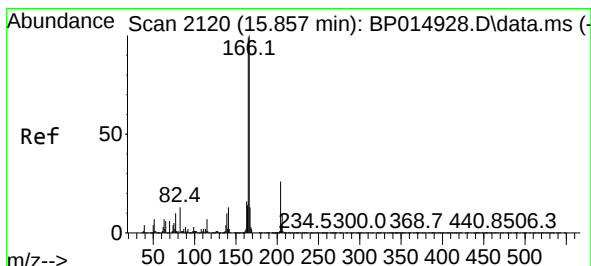
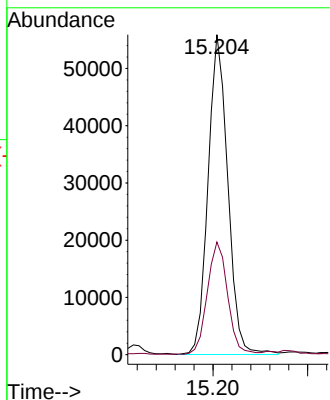
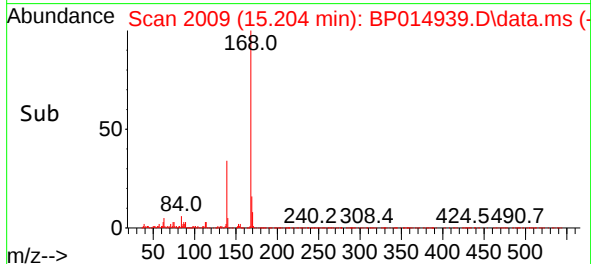
Instrument :
BNA_P
ClientSampleId :
EW919DL



Tgt Ion:168 Resp: 8073
Ion Ratio Lower Upper
168 100
139 35.2 28.6 42.8

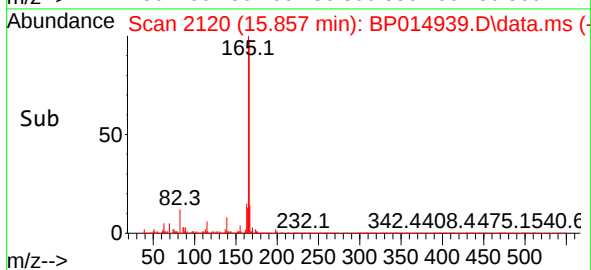
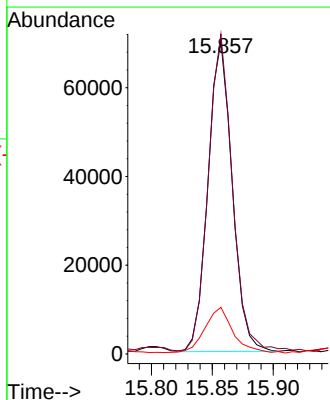
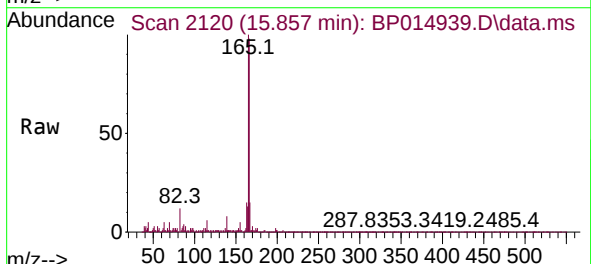
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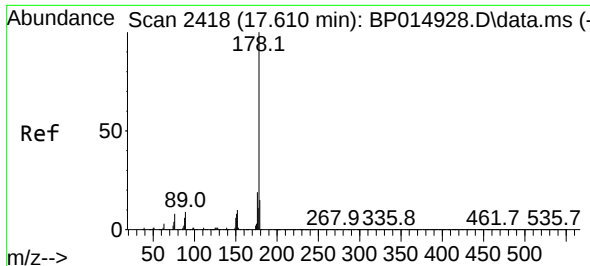
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#61
Fluorene
Concen: 1.989 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

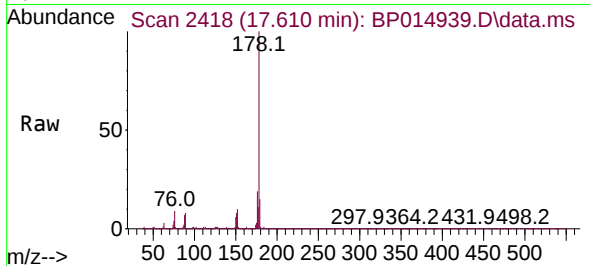
Tgt Ion:166 Resp: 96787
Ion Ratio Lower Upper
166 100
165 102.4 79.3 118.9
167 14.9 10.7 16.1





#72
Phenanthrene
Concen: 26.820 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

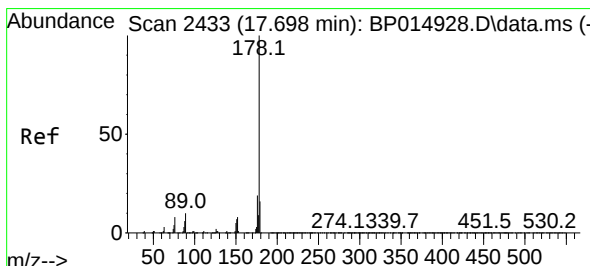
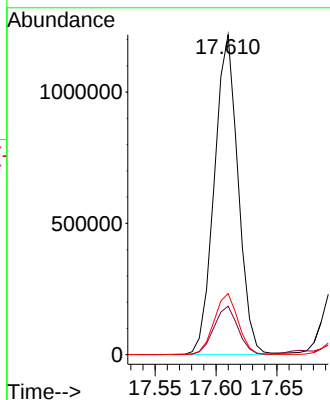
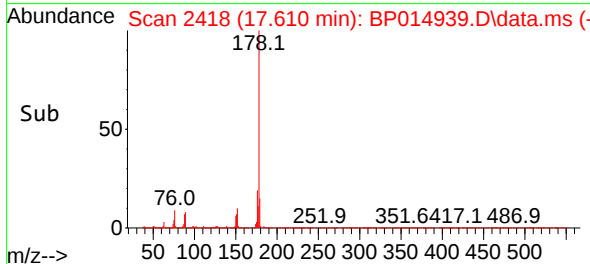
Instrument :
BNA_P
ClientSampleId :
EW919DL



Tgt Ion:178 Resp: 1649649
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.4
176 19.1 15.4 23.0

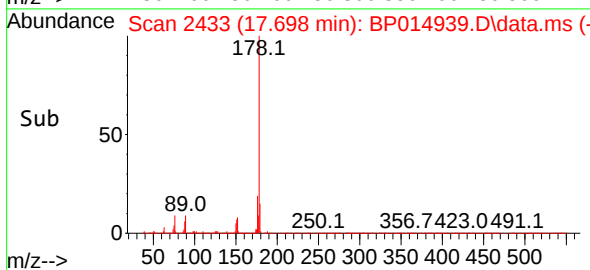
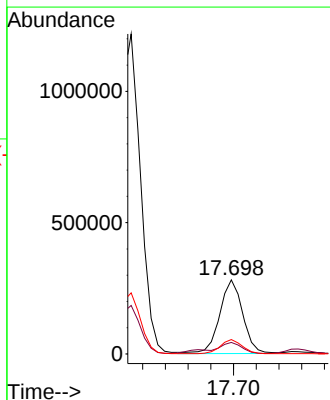
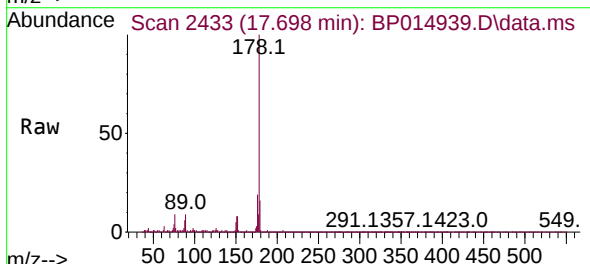
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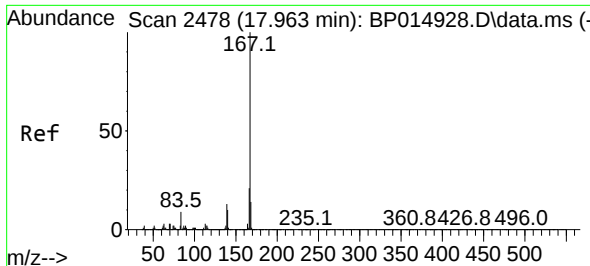
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#74
Anthracene
Concen: 6.452 ng/ul
RT: 17.698 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

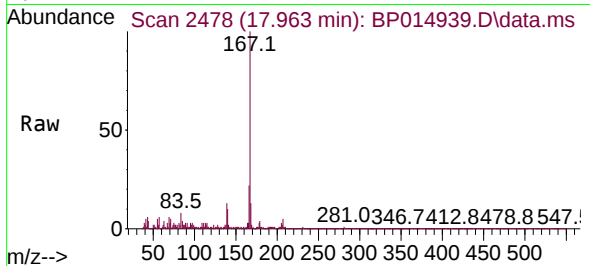
Tgt Ion:178 Resp: 395107
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.4 15.0 22.4





#77
 Carbazole
 Concen: 2.836 ng/ul
 RT: 17.963 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: BP014939.D
 Acq: 03 May 2023 20:17

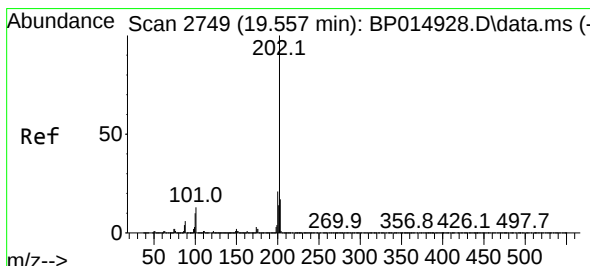
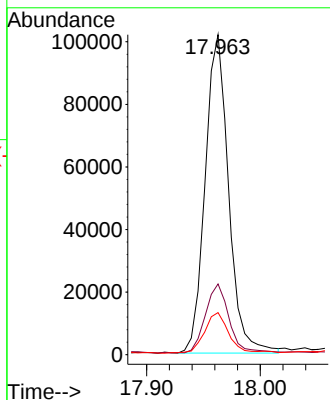
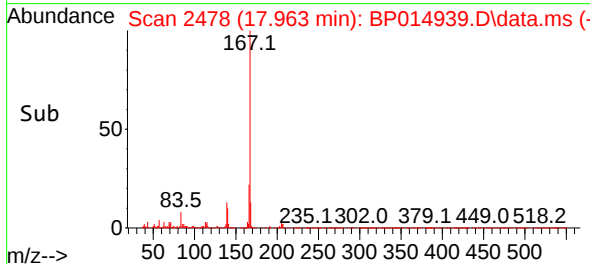
Instrument :
 BNA_P
 ClientSampleId :
 EW919DL



Tgt Ion:167 Resp: 14606
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.1 25.7
 139 13.1 10.1 15.1

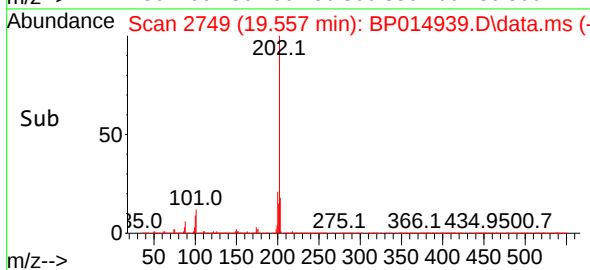
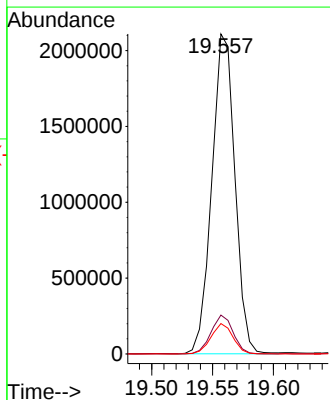
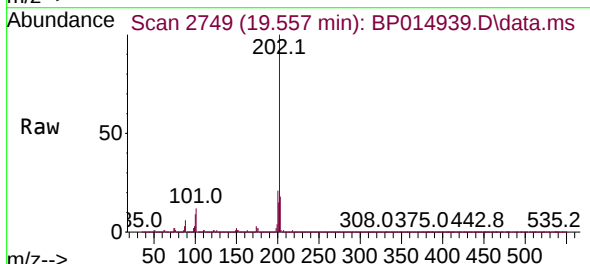
Manual Integrations
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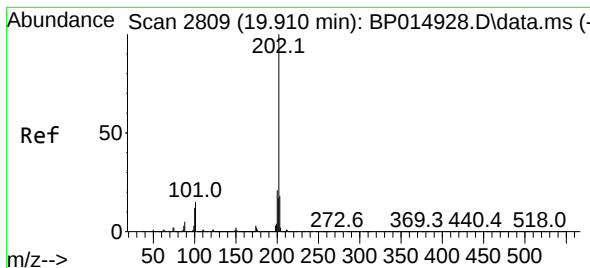
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023



#80
 Fluoranthene
 Concen: 37.936 ng/ul
 RT: 19.557 min Scan# 2749
 Delta R.T. -0.000 min
 Lab File: BP014939.D
 Acq: 03 May 2023 20:17

Tgt Ion:202 Resp: 2785271
 Ion Ratio Lower Upper
 202 100
 101 12.1 10.1 15.1
 100 9.5 7.7 11.5





#82

Pyrene

Concen: 31.902 ng/u1

RT: 19.910 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BP014939.D

Acq: 03 May 2023 20:17

Instrument :

BNA_P

ClientSampleId :

EW919DL

Tgt Ion:202 Resp: 248159

Ion Ratio Lower Upper

202 100

101 14.5 11.9 17.9

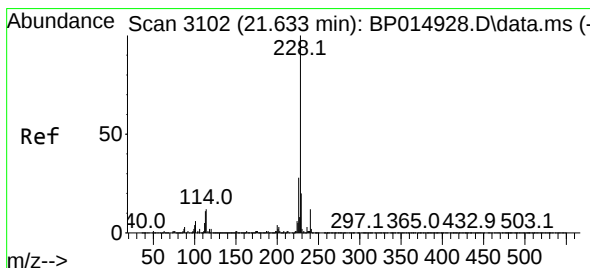
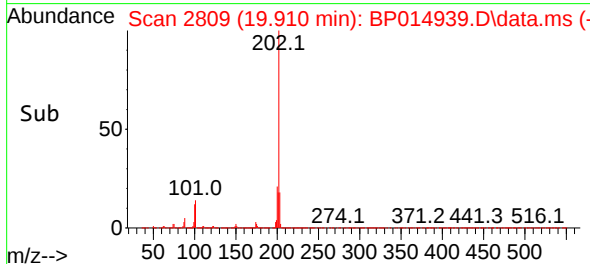
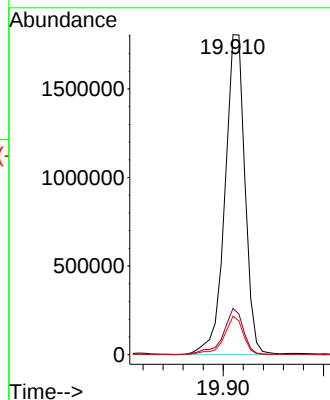
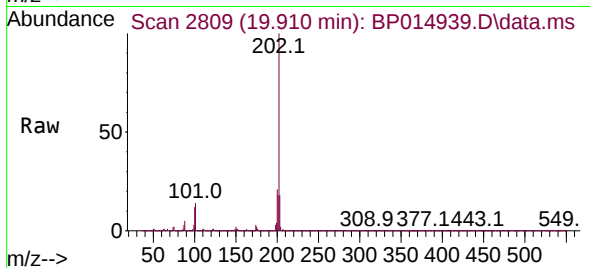
100 12.0 9.7 14.5

Manual Integrations

APPROVED

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Supervised By :Jagrut Upadhyay 05/04/2023



#85

Benzo(a)anthracene

Concen: 21.522 ng/u1

RT: 21.633 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BP014939.D

Acq: 03 May 2023 20:17

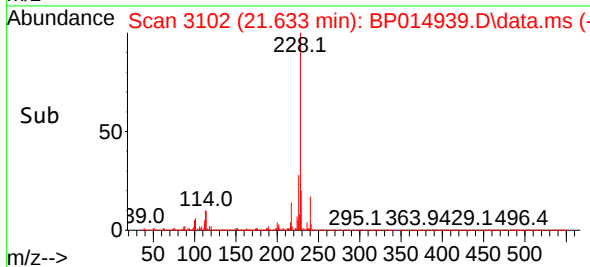
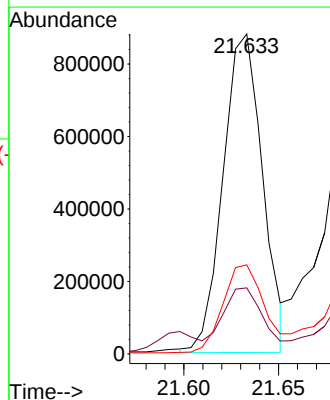
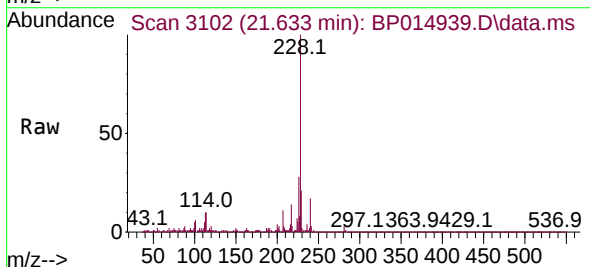
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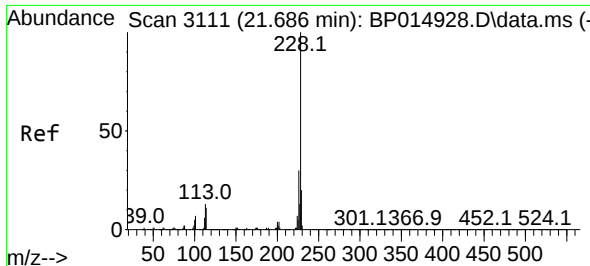
Ion Ratio Lower Upper

228 100

229 20.6 15.9 23.9

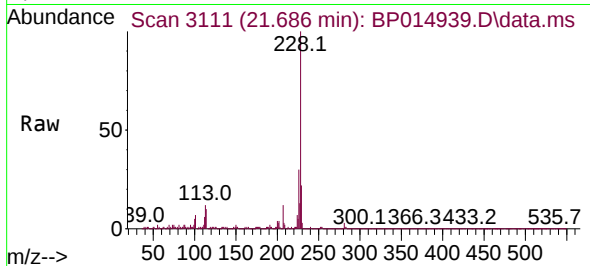
226 27.8 22.1 33.1





#87
Chrysene
Concen: 21.041 ng/u1
RT: 21.686 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

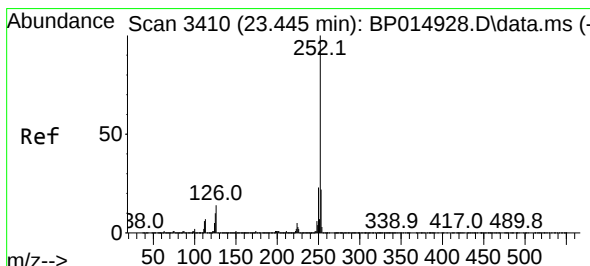
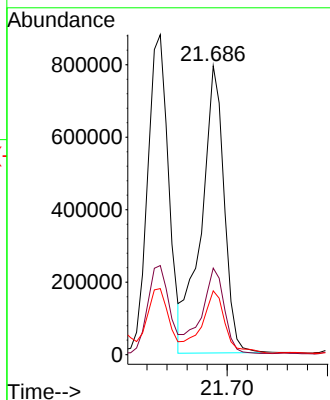
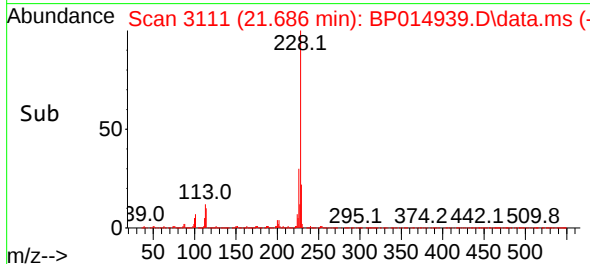
Instrument :
BNA_P
ClientSampleId :
EW919DL



Tgt Ion:228 Resp: 1254539
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.1 15.8 23.8

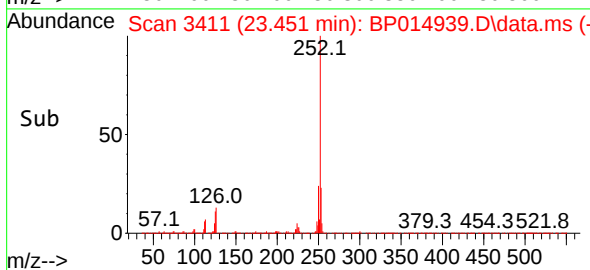
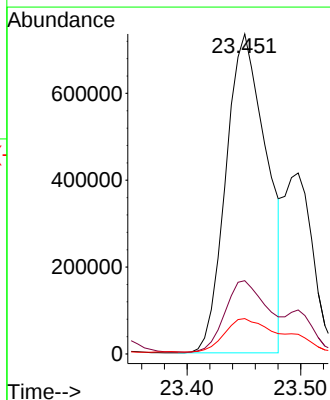
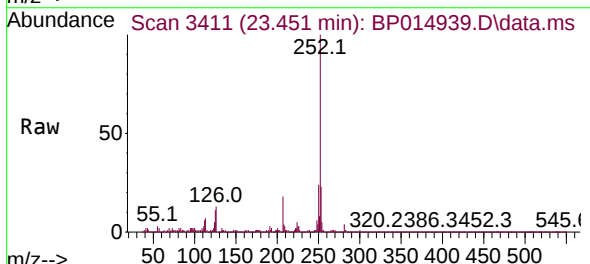
Manual Integrations
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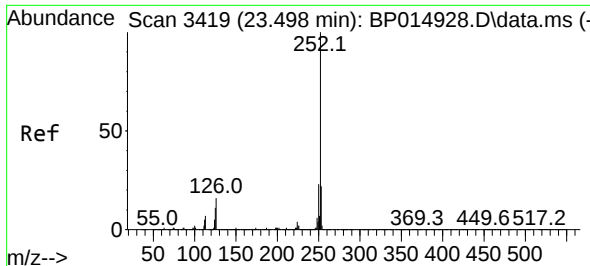
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#90
Benzo(b)fluoranthene
Concen: 24.905 ng/u1
RT: 23.451 min Scan# 3411
Delta R.T. 0.006 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

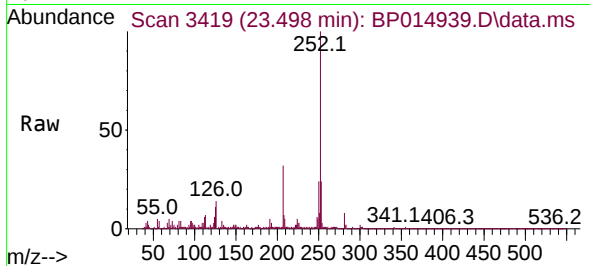
Tgt Ion:252 Resp: 1834161
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 11.0 8.4 12.6





#91
Benzo(k)fluoranthene
Concen: 9.752 ng/ul m
RT: 23.498 min Scan# 3419
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17

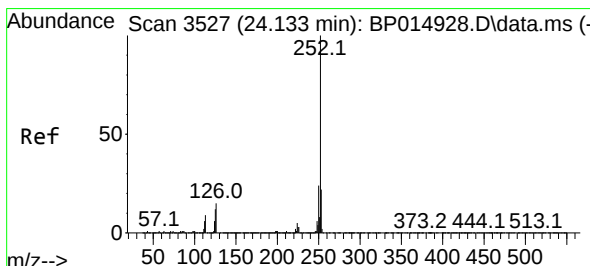
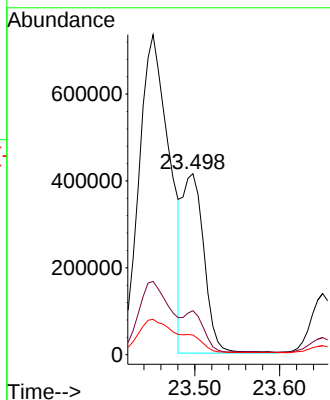
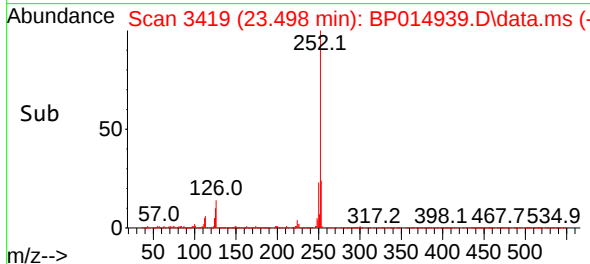
Instrument :
BNA_P
ClientSampleId :
EW919DL



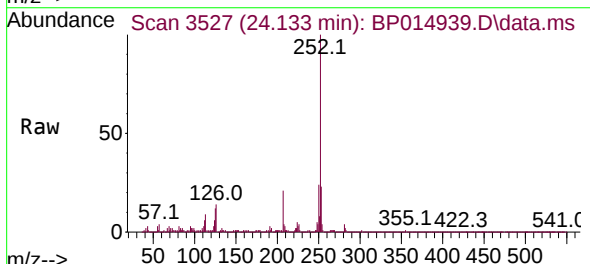
Tgt Ion:252 Resp: 73097
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 10.8 8.9 13.3

Manual Integrations
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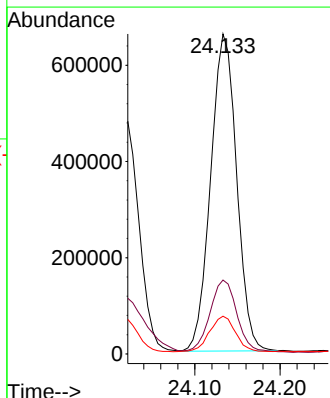
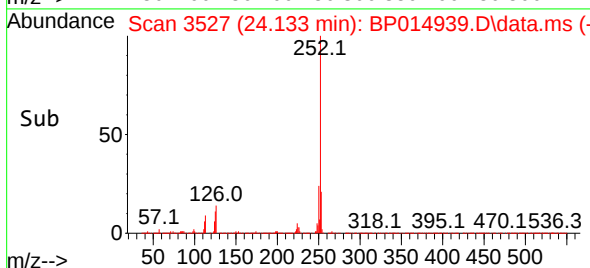
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

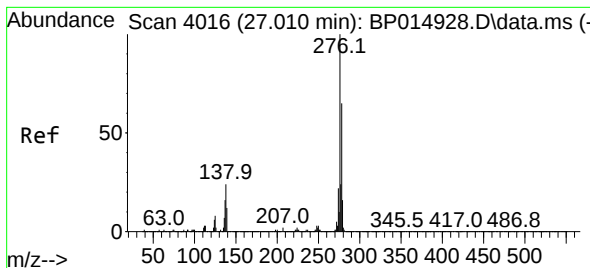


#93
Benzo(a)pyrene
Concen: 21.612 ng/ul
RT: 24.133 min Scan# 3527
Delta R.T. -0.000 min
Lab File: BP014939.D
Acq: 03 May 2023 20:17



Tgt Ion:252 Resp: 1395859
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.8 9.4 14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 13.359 ng/ul

RT: 27.003 min Scan# 4016

Delta R.T. -0.006 min

Lab File: BP014939.D

Acq: 03 May 2023 20:17

Instrument :

BNA_P

ClientSampleId :

EW919DL

Tgt Ion:276 Resp: 105246

Ion Ratio Lower Upper

276 100

138 20.3 19.4 29.0

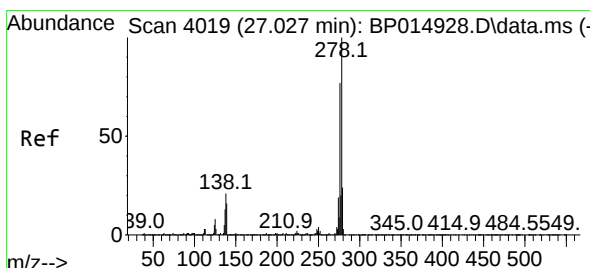
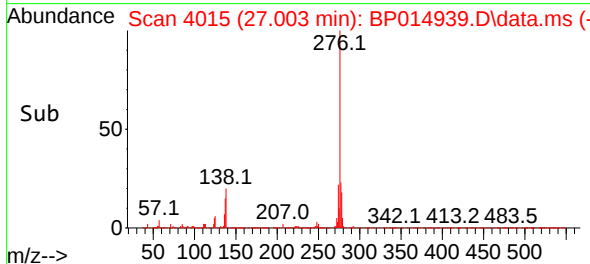
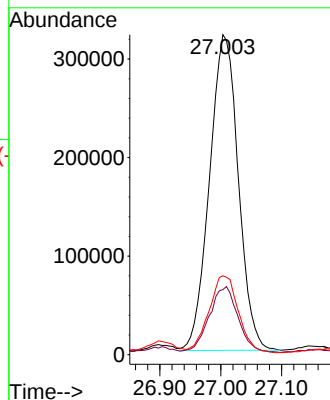
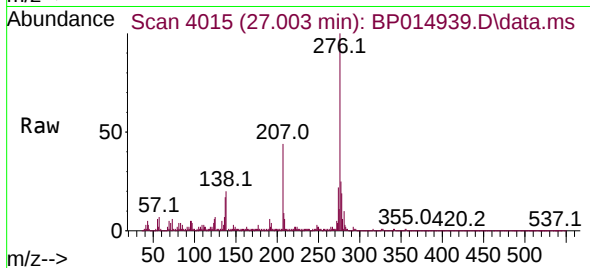
277 24.7 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#95

Dibenzo(a,h)anthracene

Concen: 4.098 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. -0.012 min

Lab File: BP014939.D

Acq: 03 May 2023 20:17

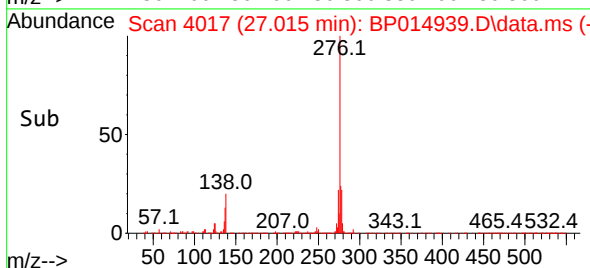
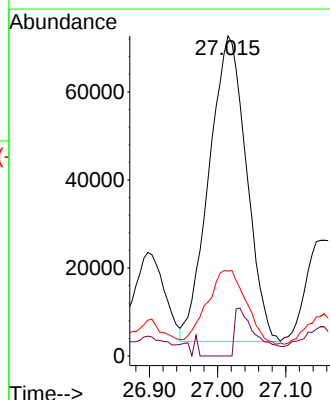
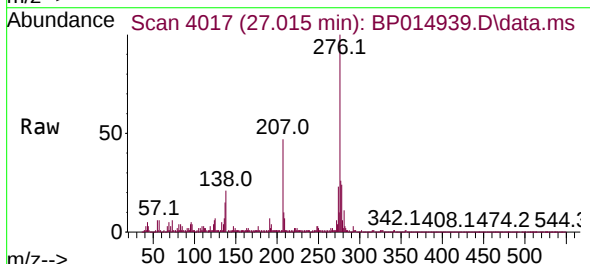
Tgt Ion:278 Resp: 264593

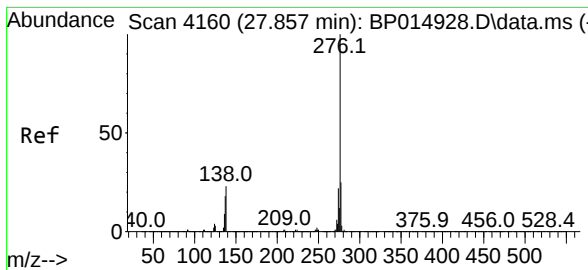
Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3#

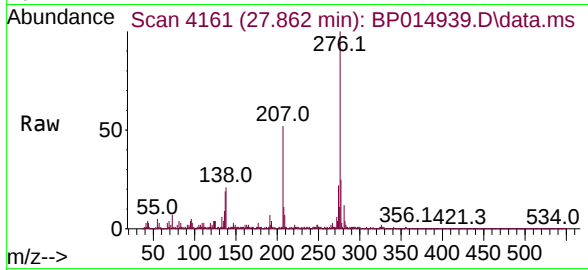
279 26.5 19.0 28.6





#96
 Benzo(g,h,i)perylene
 Concen: 14.614 ng/ul
 RT: 27.862 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BP014939.D
 Acq: 03 May 2023 20:17

Instrument :
 BNA_P
 ClientSampleId :
 EW919DL



Tgt Ion:276 Resp: 979938
 Ion Ratio Lower Upper
 276 100
 138 21.0 18.0 27.0
 277 25.0 19.8 29.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

