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 Data File : BP022296.D
 Acq On : 09 Oct 2024 19:05
 Operator : RC/JU
 Sample : P4162-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4EJ2

Manual Integrations
 APPROVED

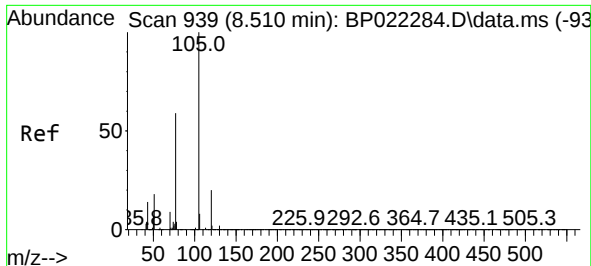
Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024

Quant Time: Oct 10 01:12:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 02:14:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	149682	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	544858	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	403274	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	914994	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	890253	20.000	ng/u1	0.00
88) Perylene-d12	24.845	264	1102772	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	4927	1.279	ng/uL	0.00
4) Pyridine-d5	3.658	84	8461m	0.800	ng/u1	0.02
7) Phenol-d5	6.893	99	123401	9.794	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.046	67	74686	10.085	ng/u1	0.00
11) 2-Chlorophenol-d4	7.246	132	95275	10.657	ng/u1	0.00
15) 4-Methylphenol-d8	8.411	113	78995	7.856	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	45882	10.952	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	54753	11.289	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.099	165	108110	10.487	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	31004	2.545	ng/u1	0.01
46) Dimethylphthalate-d6	13.716	166	337829	10.544	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	373549	10.977	ng/u1	0.00
54) 4-Nitrophenol-d4	14.551	143	44187	8.220	ng/u1	0.02
60) Fluorene-d10	15.328	176	309993	11.154	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.451	200	34830	5.788	ng/u1	0.00
73) Anthracene-d10	17.210	188	489751	11.378	ng/u1	0.00
81) Pyrene-d10	19.598	212	470963	10.004	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.616	264	367654	6.243	ng/u1	0.02
Target Compounds						
16) Acetophenone	8.516	105	21113	1.272	ng/u1#	90
50) Acenaphthylene	14.034	152	45166	1.279	ng/u1	94
52) Acenaphthene	14.381	153	27510	1.101	ng/u1	98
61) Fluorene	15.381	166	47016	1.538	ng/u1	99
72) Phenanthrene	17.151	178	882911	18.036	ng/u1	100
74) Anthracene	17.251	178	169300	3.466	ng/u1	99
77) Carbazole	17.528	167	57280	1.325	ng/u1	97
80) Fluoranthene	19.251	202	1617593	29.888	ng/u1	99
82) Pyrene	19.628	202	1033508	17.817	ng/u1	98
85) Benzo(a)anthracene	21.527	228	731332	11.718	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.463	149	187521	6.469	ng/u1	99
87) Chrysene	21.598	228	748889	12.941	ng/u1	97
90) Benzo(b)fluoranthene	23.810	252	1050810	15.138	ng/u1	99
91) Benzo(k)fluoranthene	23.863	252	378505m	5.569	ng/u1	
93) Benzo(a)pyrene	24.680	252	341012	5.338	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.586	276	354863m	4.162	ng/u1	
95) Dibenzo(a,h)anthracene	28.627	278	141390	2.048	ng/u1#	90

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



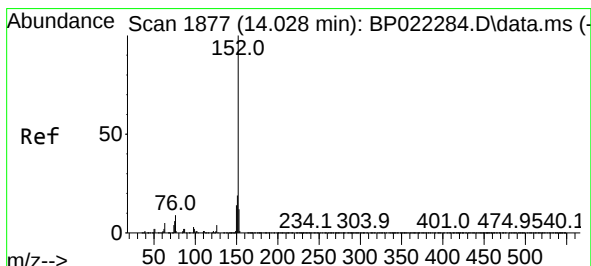
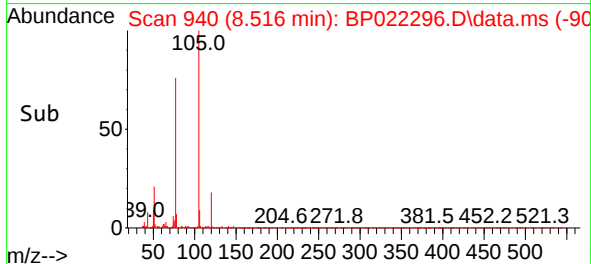
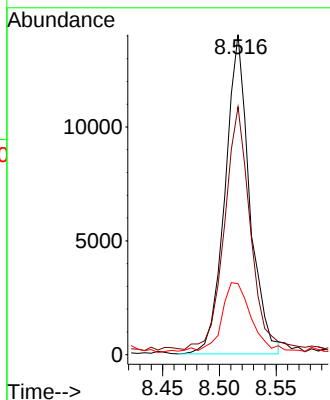
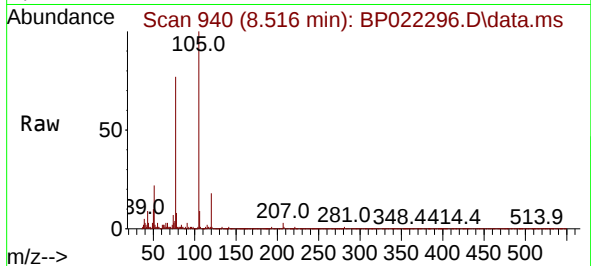
#16
Acetophenone
Concen: 1.272 ng/ul
RT: 8.516 min Scan# 940
Delta R.T. 0.006 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

Instrument :
BNA_P
ClientSampleId :
A4EJ2

Tgt Ion:105 Resp: 2111
Ion Ratio Lower Upper
105 100
77 77.4 69.0 103.4
51 22.2 22.6 33.8

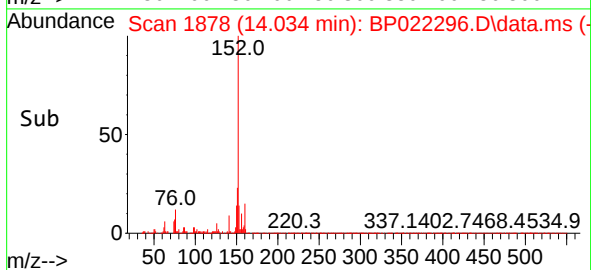
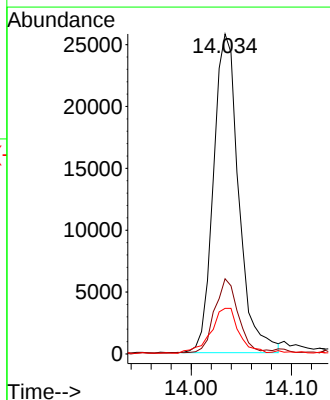
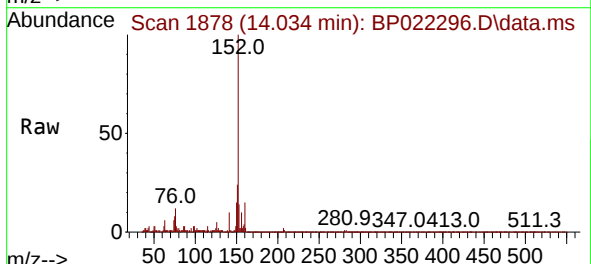
Manual Integrations
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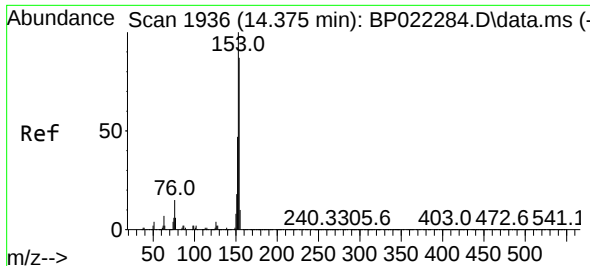
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#50
Acenaphthylene
Concen: 1.279 ng/ul
RT: 14.034 min Scan# 1878
Delta R.T. 0.000 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

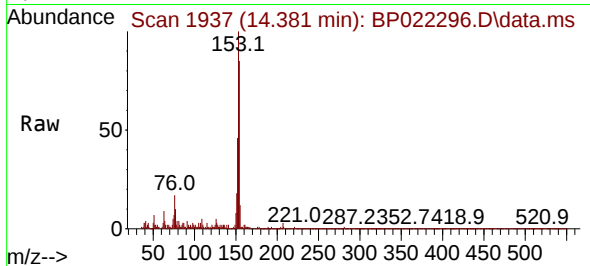
Tgt Ion:152 Resp: 45166
Ion Ratio Lower Upper
152 100
151 23.5 15.8 23.6
153 14.3 10.3 15.5





#52
Acenaphthene
Concen: 1.101 ng/ul
RT: 14.381 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

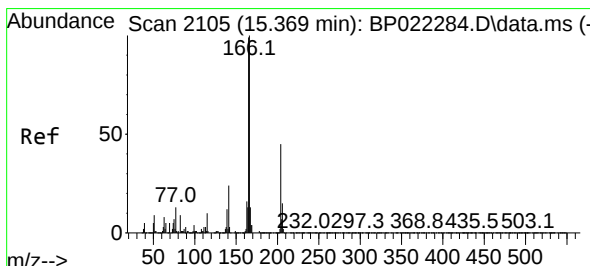
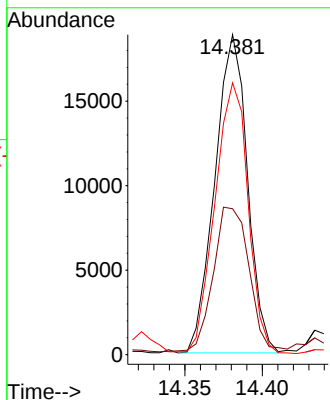
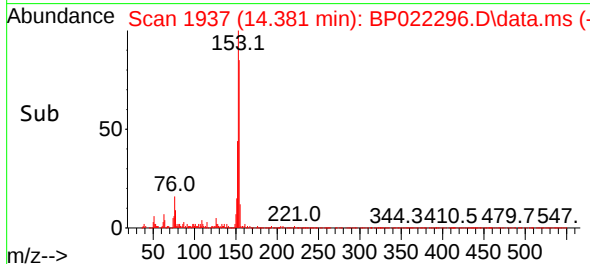
Instrument :
BNA_P
ClientSampleId :
A4EJ2



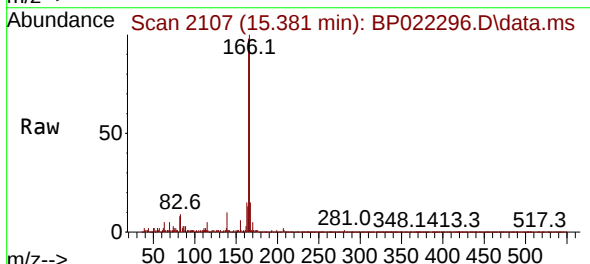
Tgt Ion:153 Resp: 27510
Ion Ratio Lower Upper
153 100
152 45.6 37.8 56.6
154 85.0 69.5 104.3

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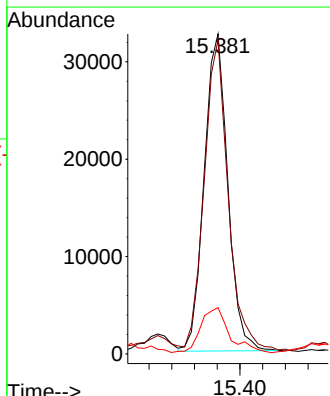
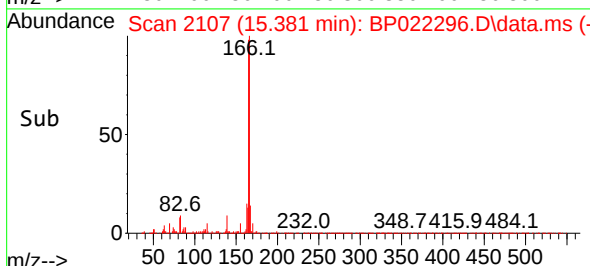
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

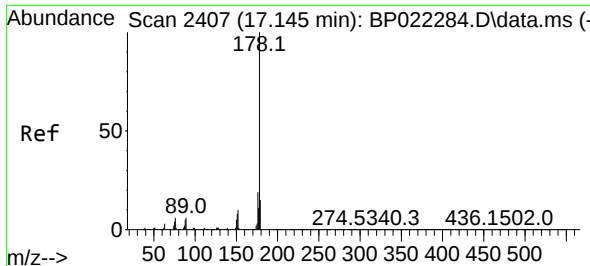


#61
Fluorene
Concen: 1.538 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05



Tgt Ion:166 Resp: 47016
Ion Ratio Lower Upper
166 100
165 98.2 77.8 116.6
167 14.5 11.1 16.7





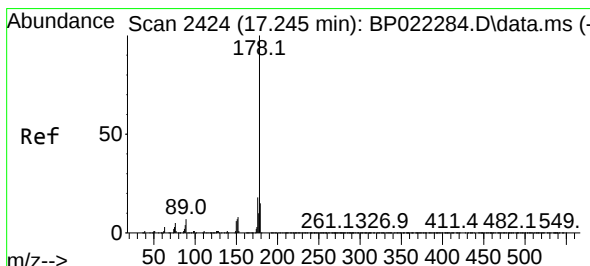
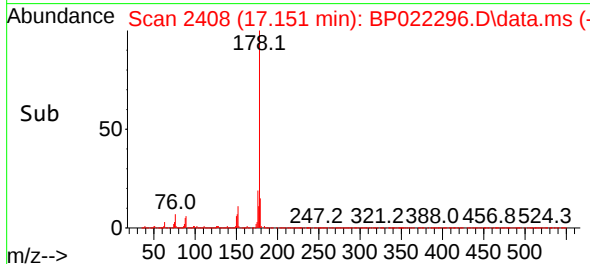
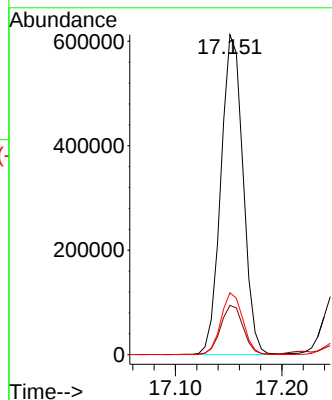
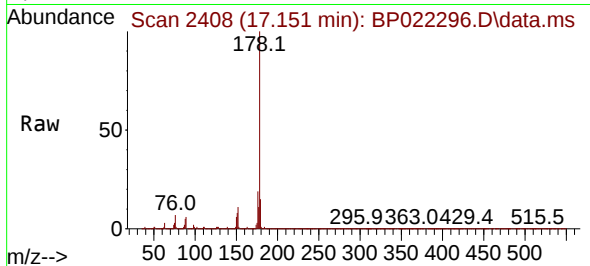
#72
Phenanthrene
Concen: 18.036 ng/ul
RT: 17.151 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

Instrument :
BNA_P
ClientSampleId :
A4EJ2

Tgt Ion:178 Resp: 88291
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.4 15.7 23.5

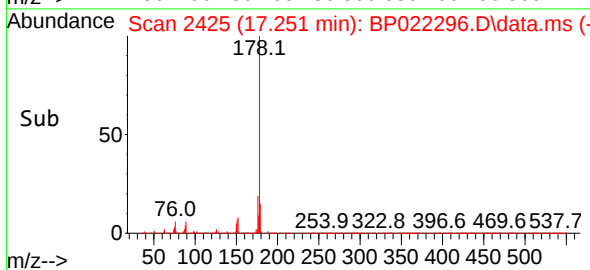
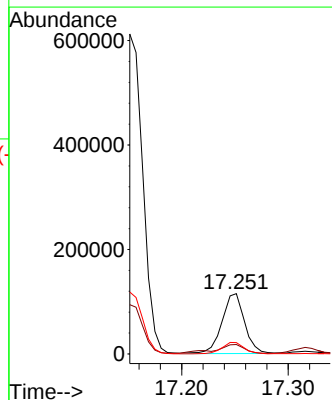
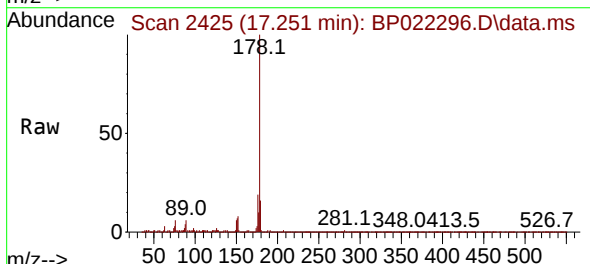
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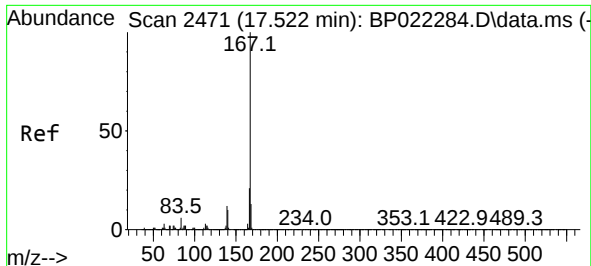
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#74
Anthracene
Concen: 3.466 ng/ul
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

Tgt Ion:178 Resp: 169300
Ion Ratio Lower Upper
178 100
179 15.5 12.0 18.0
176 18.7 15.0 22.4





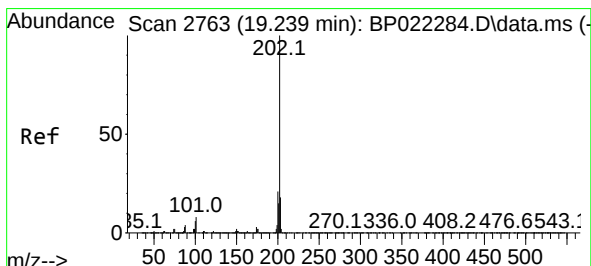
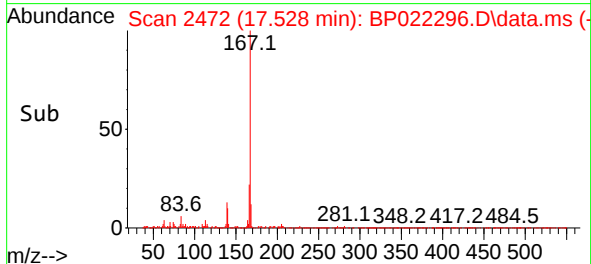
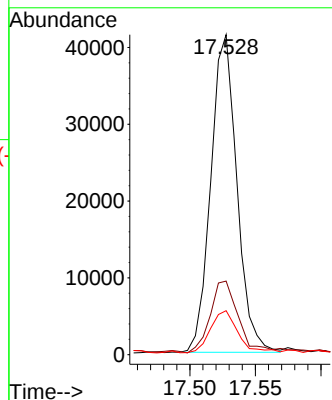
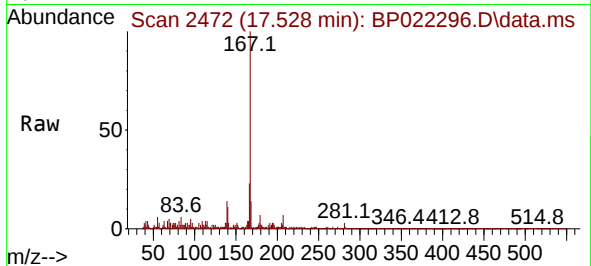
#77
 Carbazole
 Concen: 1.325 ng/ul
 RT: 17.528 min Scan# 2471
 Delta R.T. -0.012 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

Instrument :
 BNA_P
 ClientSampleId :
 A4EJ2

Tgt Ion:167 Resp: 57280
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.0 25.6
 139 13.7 10.3 15.5

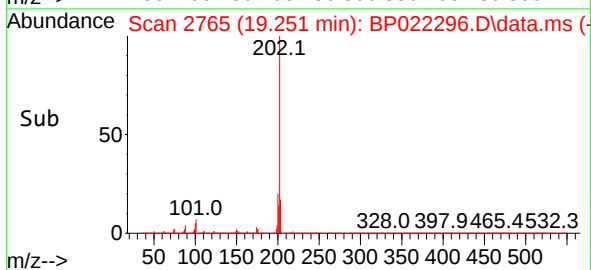
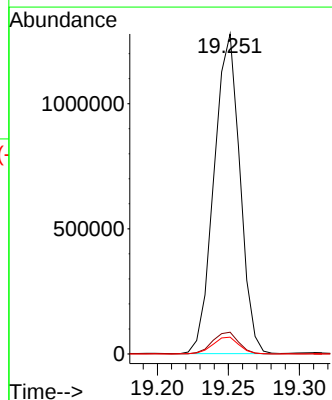
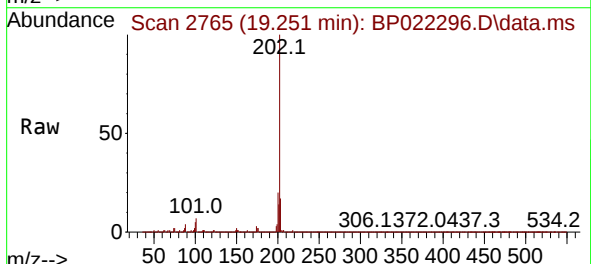
Manual Integrations
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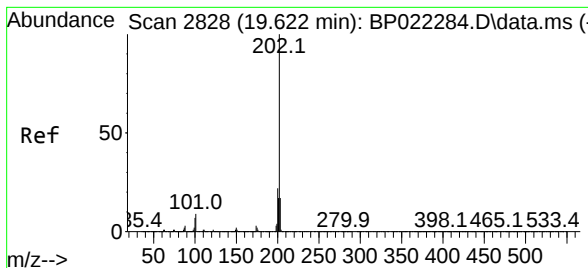
Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024



#80
 Fluoranthene
 Concen: 29.888 ng/ul
 RT: 19.251 min Scan# 2765
 Delta R.T. 0.006 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

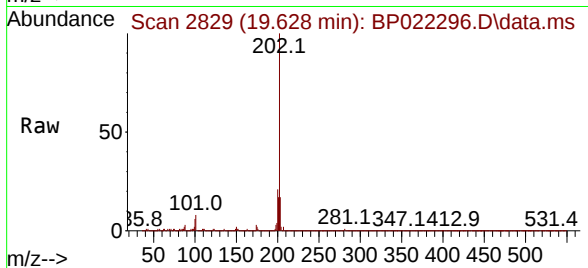
Tgt Ion:202 Resp: 1617593
 Ion Ratio Lower Upper
 202 100
 101 6.8 5.8 8.8
 100 5.3 4.5 6.7





#82
 Pyrene
 Concen: 17.817 ng/ul
 RT: 19.628 min Scan# 2828
 Delta R.T. 0.006 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

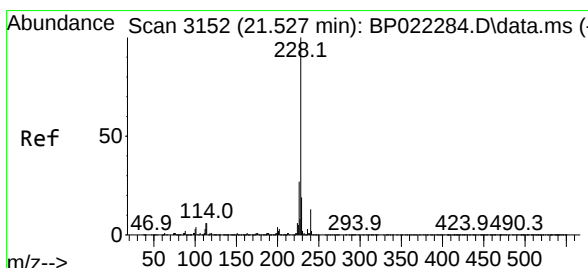
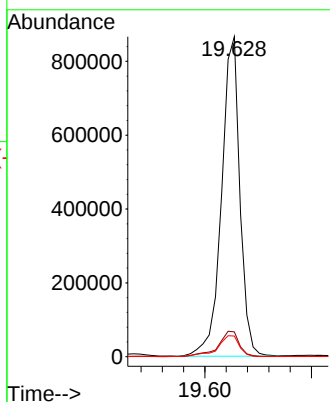
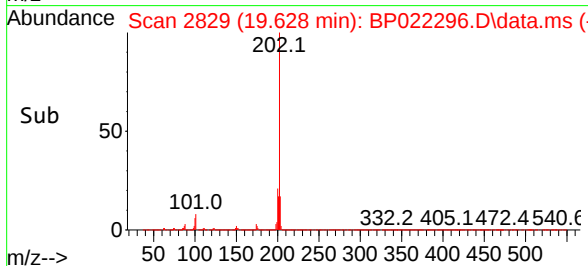
Instrument :
 BNA_P
 ClientSampleId :
 A4EJ2



Tgt Ion:202 Resp: 1033508
 Ion Ratio Lower Upper
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 101 7.7 6.7 10.1
 100 6.4 5.8 8.6

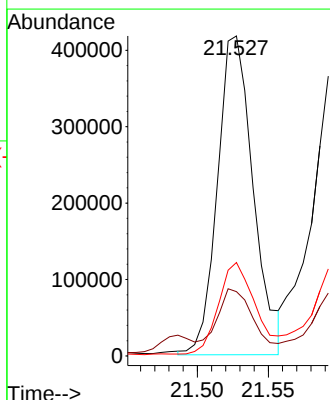
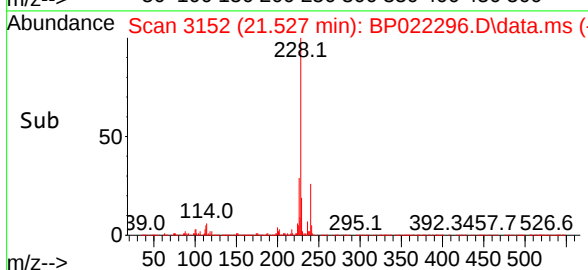
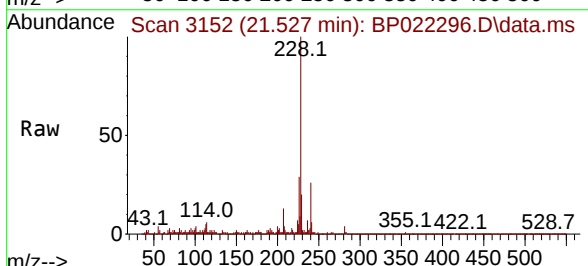
Manual Integrations
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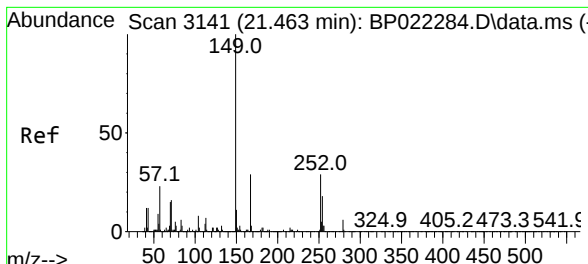
Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024



#85
 Benzo(a)anthracene
 Concen: 11.718 ng/ul
 RT: 21.527 min Scan# 3152
 Delta R.T. 0.006 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

Tgt Ion:228 Resp: 731332
 Ion Ratio Lower Upper
 228 100
 229 20.1 15.4 23.0
 226 29.2 21.5 32.3





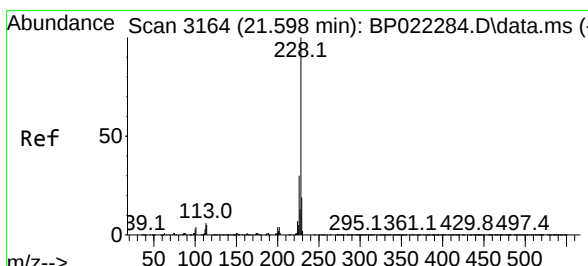
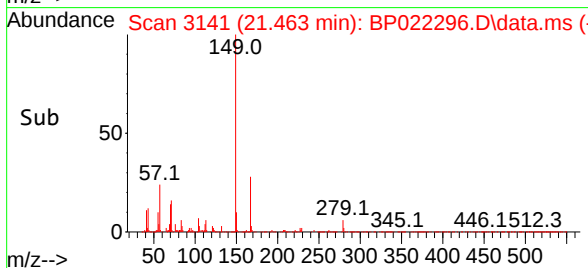
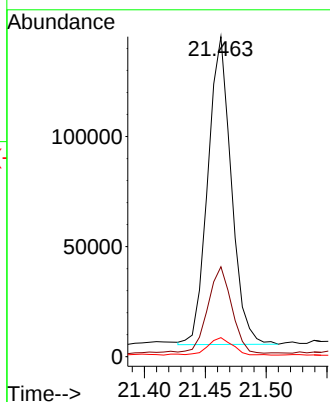
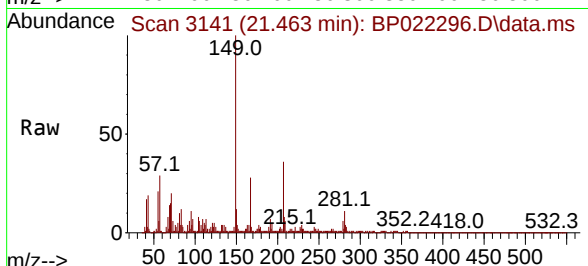
#86
 Bis(2-ethylhexyl)phthalate
 Concen: 6.469 ng/ul
 RT: 21.463 min Scan# 3141
 Delta R.T. 0.000 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

Instrument :
 BNA_P
 ClientSampleId :
 A4EJ2

Tgt Ion:149 Resp: 18752
 Ion Ratio Lower Upper
 149 100
 167 28.1 23.0 34.4
 279 6.0 4.8 7.2

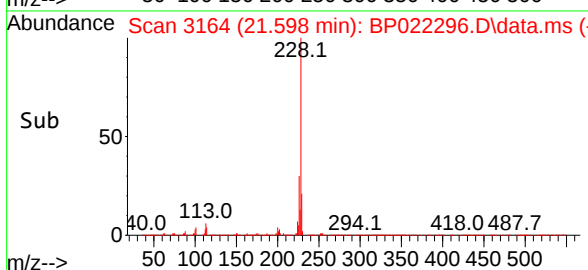
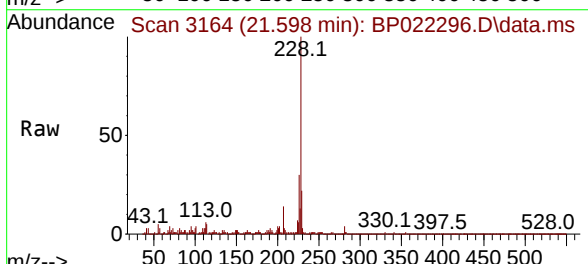
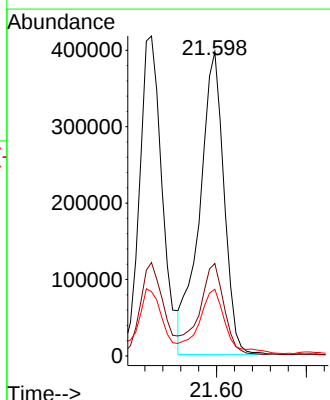
Manual Integrations
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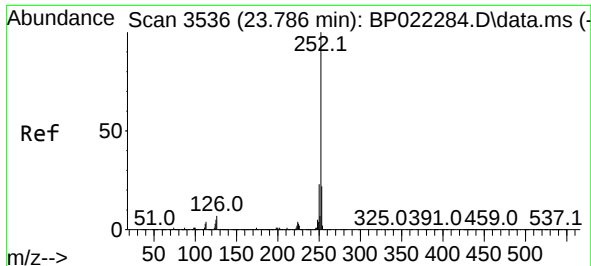
Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024



#87
 Chrysene
 Concen: 12.941 ng/ul
 RT: 21.598 min Scan# 3164
 Delta R.T. 0.006 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

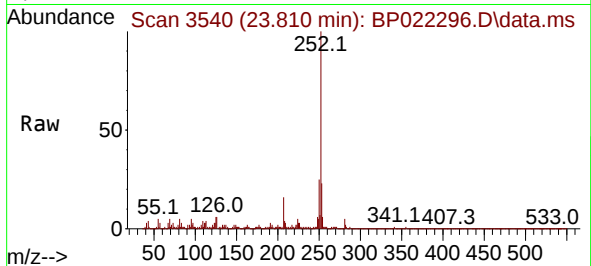
Tgt Ion:228 Resp: 748889
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.8 35.8
 229 21.9 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 15.138 ng/ul
RT: 23.810 min Scan# 3540
Delta R.T. 0.024 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

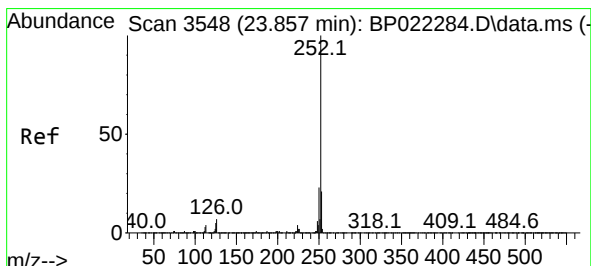
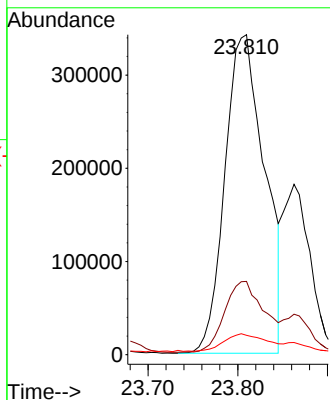
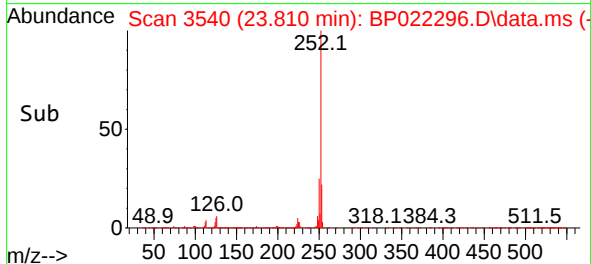
Instrument :
BNA_P
ClientSampleId :
A4EJ2



Tgt Ion:252 Resp: 1050810
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 6.1 5.0 7.4

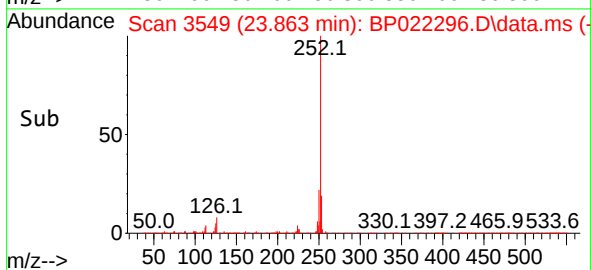
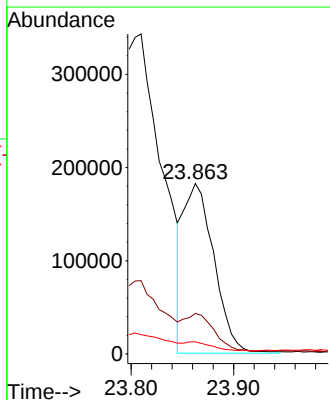
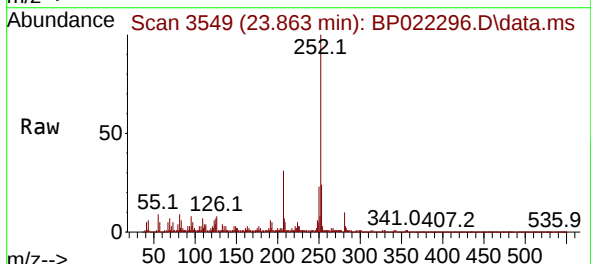
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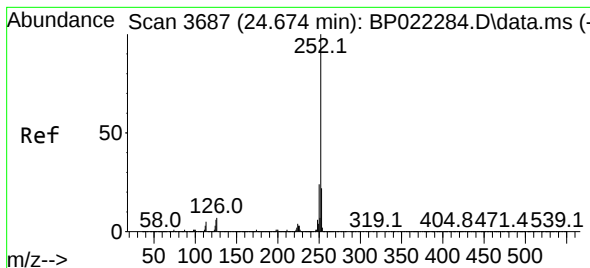
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#91
Benzo(k)fluoranthene
Concen: 5.569 ng/ul m
RT: 23.863 min Scan# 3549
Delta R.T. 0.006 min
Lab File: BP022296.D
Acq: 09 Oct 2024 19:05

Tgt Ion:252 Resp: 378505
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 7.1 4.6 6.8#





#93

Benzo(a)pyrene

Concen: 5.338 ng/ul

RT: 24.680 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP022296.D

Acq: 09 Oct 2024 19:05

Instrument :

BNA_P

ClientSampleId :

A4EJ2

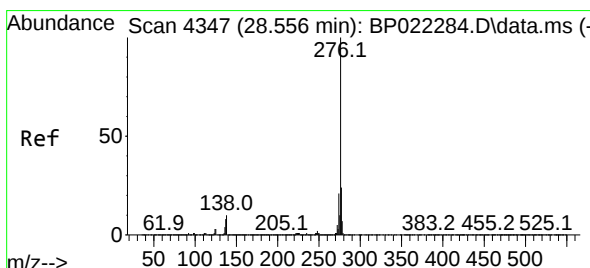
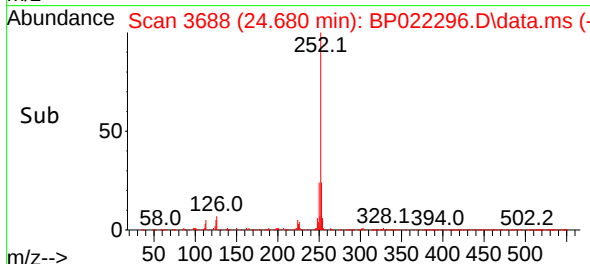
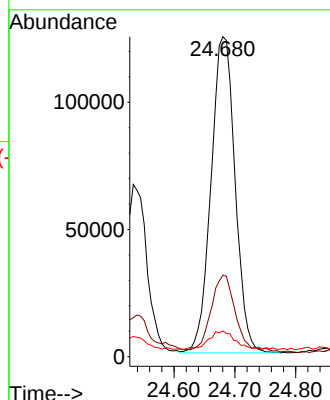
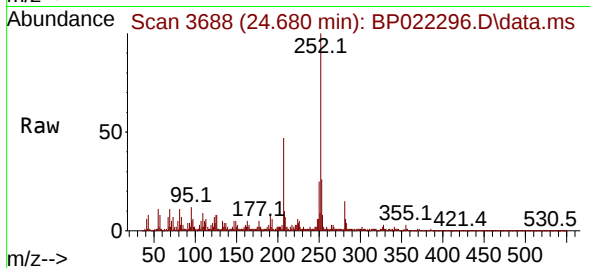
Tgt Ion:252 Resp: 34101
Ion Ratio Lower Upper
252 100
253 25.5 17.7 26.5
125 8.1 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/11/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.162 ng/ul m

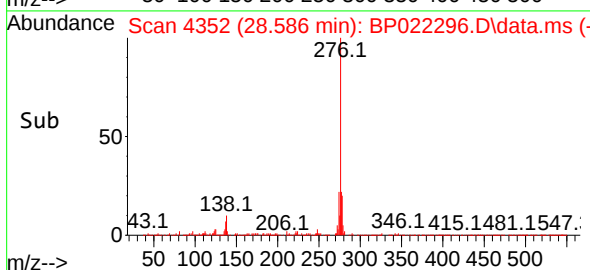
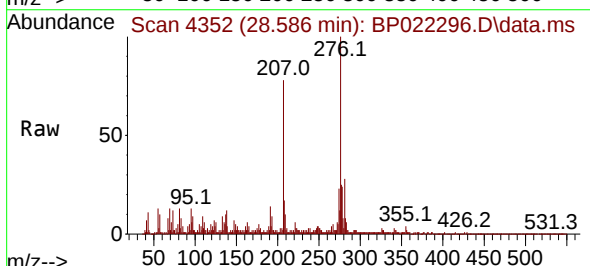
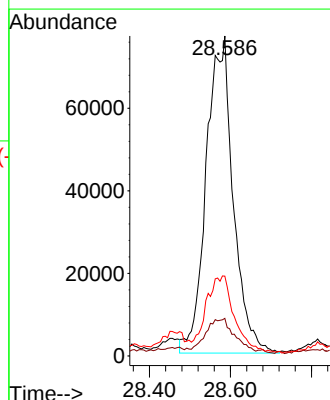
RT: 28.586 min Scan# 4352

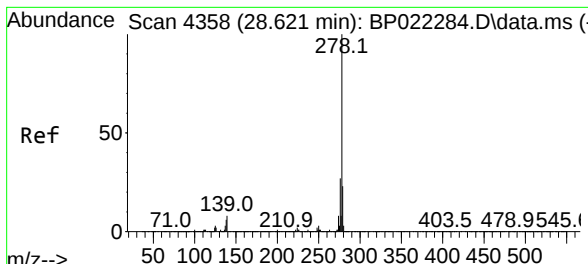
Delta R.T. 0.024 min

Lab File: BP022296.D

Acq: 09 Oct 2024 19:05

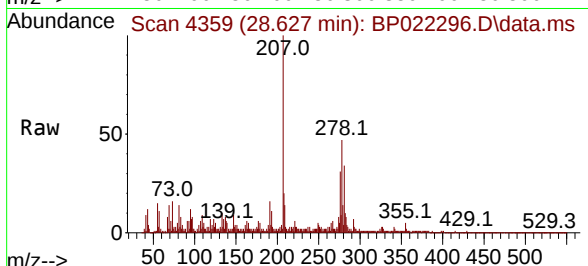
Tgt Ion:276 Resp: 354863
Ion Ratio Lower Upper
276 100
138 11.8 9.1 13.7
277 24.9 18.6 27.8





#95
 Dibenzo(a,h)anthracene
 Concen: 2.048 ng/ul
 RT: 28.627 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BP022296.D
 Acq: 09 Oct 2024 19:05

Instrument : BNA_P
 ClientSampleId : A4EJ2



Tgt Ion: 278 Resp: 141390

Ion	Ratio	Lower	Upper
278	100		
139	9.8	7.3	10.9
279	30.0	19.0	28.4

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024

