

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110424\
 Data File : BP022896.D
 Acq On : 06 Nov 2024 16:34
 Operator : RC/JU
 Sample : P4581-19
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4EA9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 02:48:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 00:31:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	83952	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.375	136	318443	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.251	164	246960	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.057	188	589233	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.486	240	602319	20.000	ng/u1	# 0.00
88) Perylene-d12	24.733	264	702437	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	1691	0.783	ng/uL	0.00
4) Pyridine-d5	3.605	84	10923	1.842	ng/u1	0.02
7) Phenol-d5	6.822	99	50312	7.119	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.963	67	30718	7.396	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	41783	8.333	ng/u1	0.00
15) 4-Methylphenol-d8	8.334	113	40781	7.231	ng/u1	0.00
21) Nitrobenzene-d5	8.769	128	19959	8.151	ng/u1	0.00
24) 2-Nitrophenol-d4	9.481	143	23327	8.229	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.028	165	50308	8.350	ng/u1	0.01
31) 4-Chloroaniline-d4	10.540	131	33959	4.770	ng/u1	0.01
46) Dimethylphthalate-d6	13.651	166	168448	8.585	ng/u1	-0.01
49) Acenaphthylene-d8	13.939	160	179381	8.607	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	14124m	4.291	ng/u1	0.03
60) Fluorene-d10	15.257	176	151294	8.890	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	7029	1.814	ng/u1	0.00
73) Anthracene-d10	17.157	188	243788	8.795	ng/u1	0.00
81) Pyrene-d10	19.545	212	230140	7.225	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.521	264	204522	5.452	ng/u1	0.00
Target Compounds					Qvalue	
8) Phenol	6.852	94	12378m	1.684	ng/u1	
16) Acetophenone	8.434	105	68410	7.347	ng/u1	97
30) Naphthalene	10.428	128	31271	1.844	ng/u1	96
52) Acenaphthene	14.322	153	46005	3.008	ng/u1	97
56) Dibenzofuran	14.663	168	53488	2.328	ng/u1	94
61) Fluorene	15.322	166	63179	3.375	ng/u1	93
72) Phenanthrene	17.098	178	887505	28.153	ng/u1	100
74) Anthracene	17.192	178	137528	4.372	ng/u1	98
77) Carbazole	17.480	167	65873	2.366	ng/u1	97
80) Fluoranthene	19.192	202	1075598	29.374	ng/u1	97
82) Pyrene	19.569	202	487311	12.417	ng/u1	97
85) Benzo(a)anthracene	21.468	228	422915	10.016	ng/u1	99
87) Chrysene	21.527	228	393560	10.052	ng/u1	96
90) Benzo(b)fluoranthene	23.715	252	496661m	11.233	ng/u1	
91) Benzo(k)fluoranthene	23.774	252	187599	4.334	ng/u1	98
93) Benzo(a)pyrene	24.586	252	119563m	2.938	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.433	276	123755m	2.279	ng/u1	
95) Dibenzo(a,h)anthracene	28.480	278	67759m	1.541	ng/u1	

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

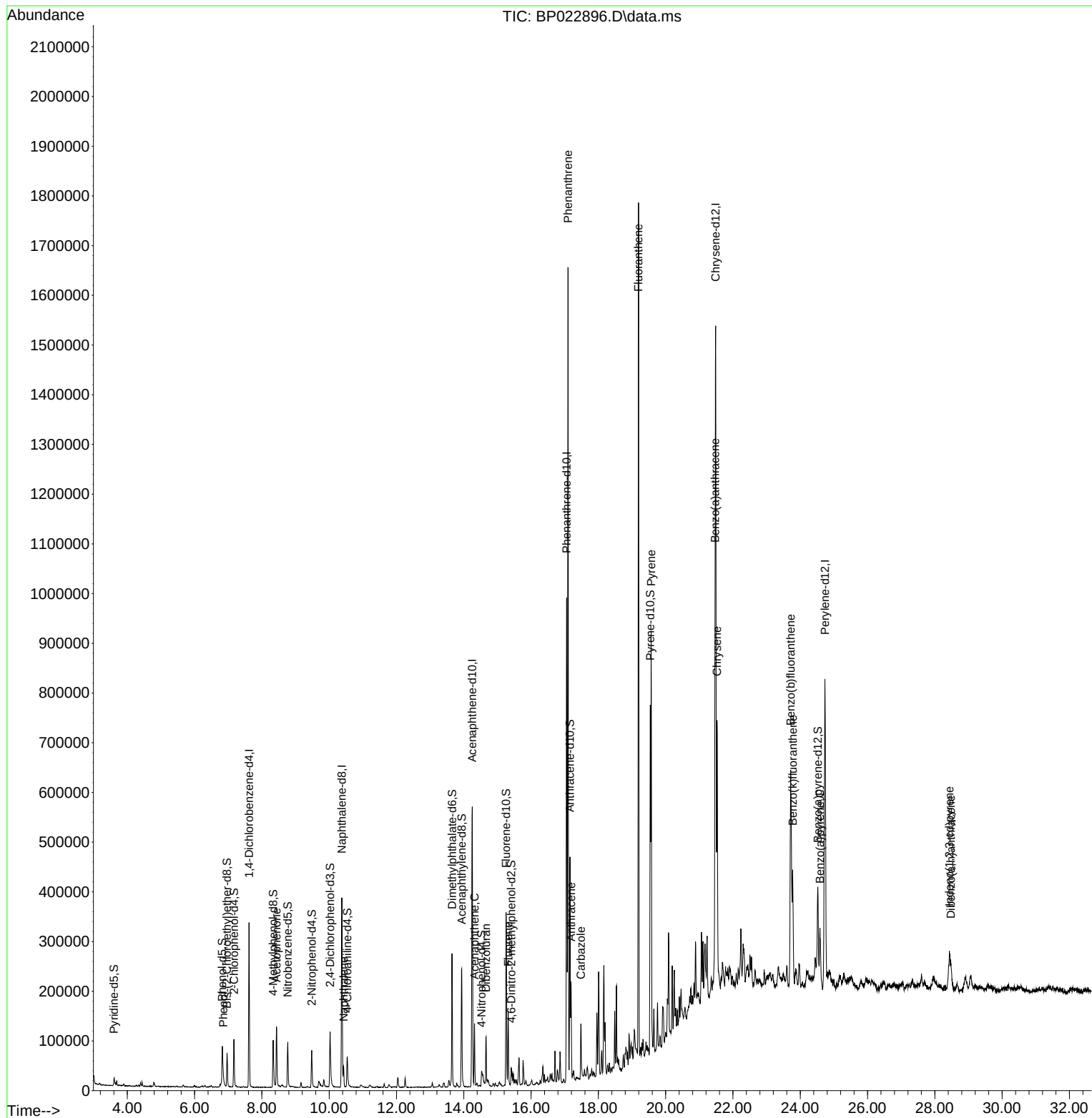
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110424\
Data File : BP022896.D
Acq On : 06 Nov 2024 16:34
Operator : RC/JU
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ALS Vial : 43 Sample Multiplier: 1

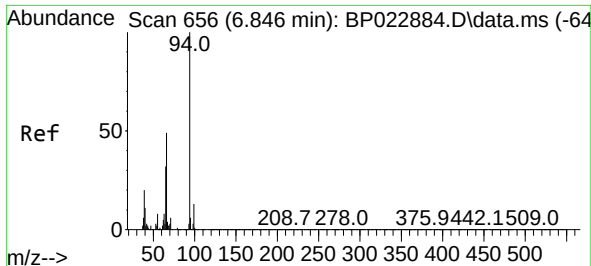
Instrument :
BNA_P
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A4EA9

Manual Integrations
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Supervised By :mohammad ahmed 11/08/2024

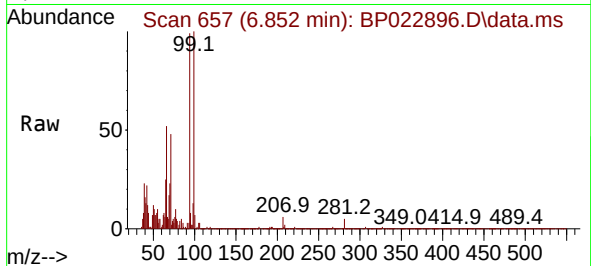
Quant Time: Nov 07 02:48:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 00:31:03 2024
Response via : Initial Calibration





#8
Phenol
Concen: 1.684 ng/ul m
RT: 6.852 min Scan# 656
Delta R.T. -0.000 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

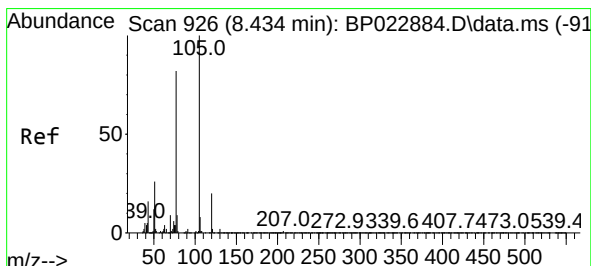
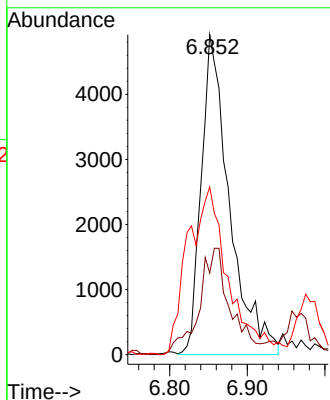
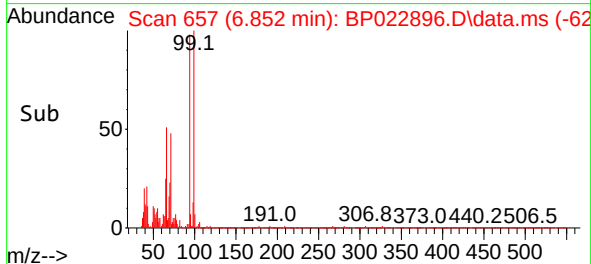
Instrument :
BNA_P
ClientSampleId :
A4EA9



Tgt Ion: 94 Resp: 12378
Ion Ratio Lower Upper
94 100
65 25.5 25.9 38.9
66 52.4 37.6 56.4

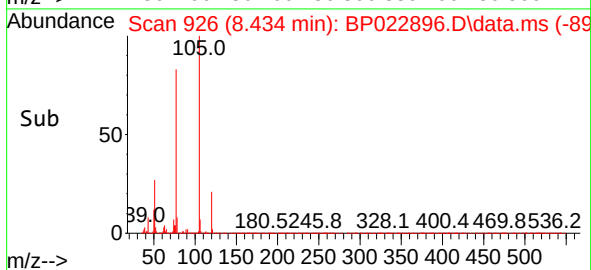
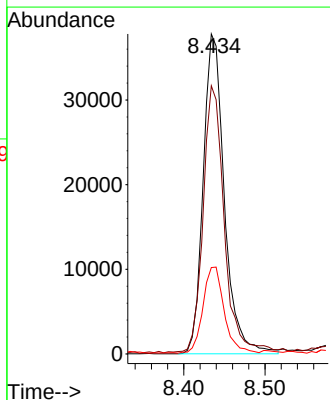
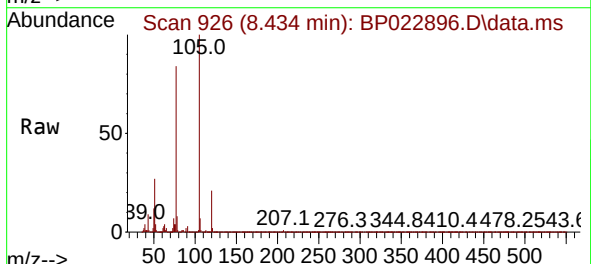
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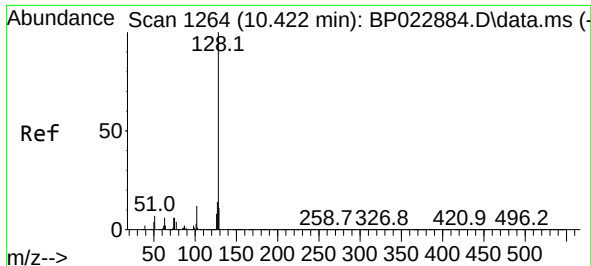
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#16
Acetophenone
Concen: 7.347 ng/ul
RT: 8.434 min Scan# 926
Delta R.T. -0.000 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Tgt Ion:105 Resp: 68410
Ion Ratio Lower Upper
105 100
77 83.8 69.0 103.4
51 27.0 22.6 33.8





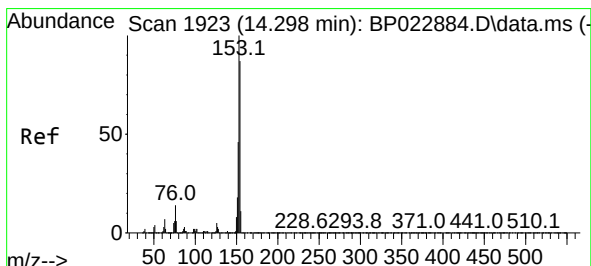
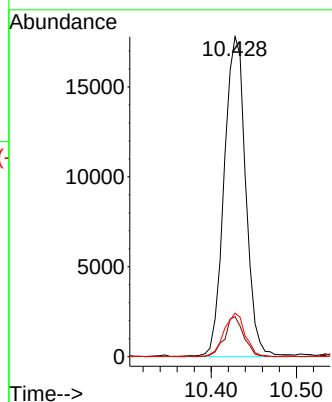
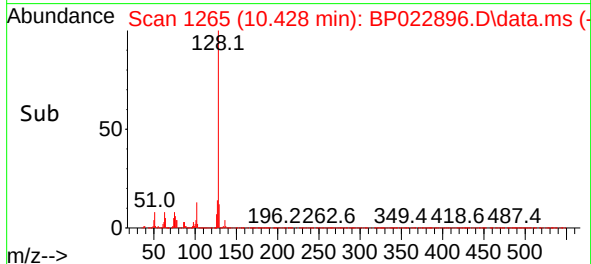
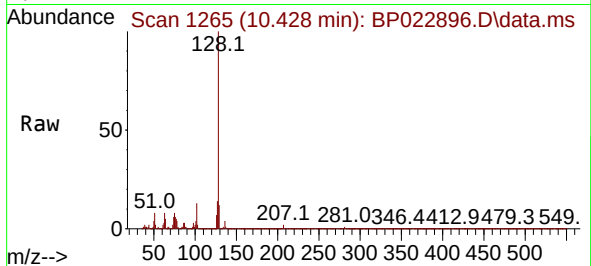
#30
Naphthalene
Concen: 1.844 ng/ul
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Instrument :
BNA_P
ClientSampleId :
A4EA9

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.6	12.8
127	13.6	9.9	14.9

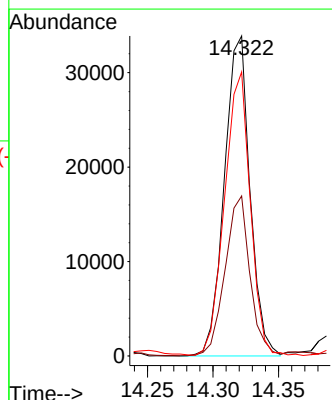
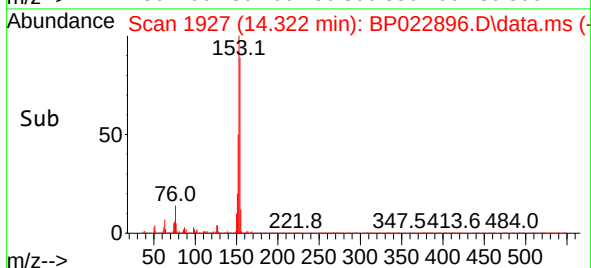
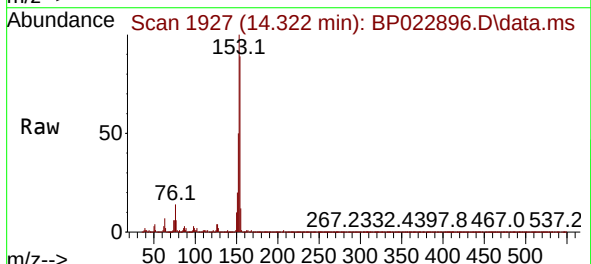
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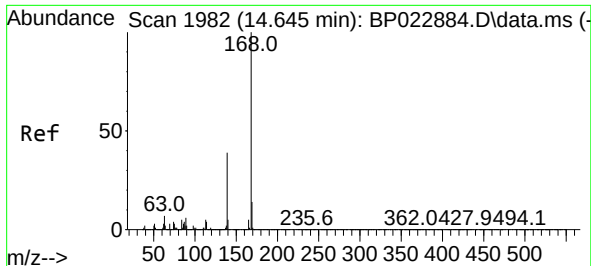
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#52
Acenaphthene
Concen: 3.008 ng/ul
RT: 14.322 min Scan# 1927
Delta R.T. 0.006 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.0	37.8	56.6
154	88.7	69.5	104.3





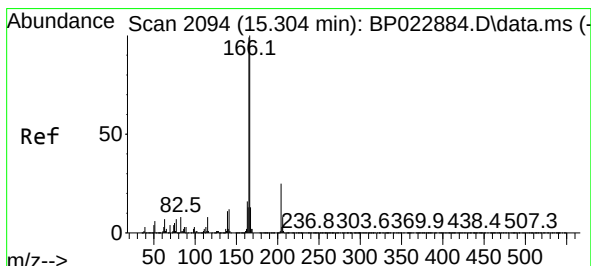
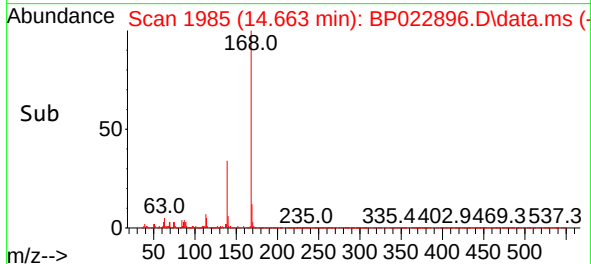
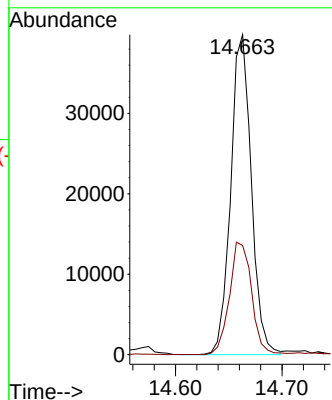
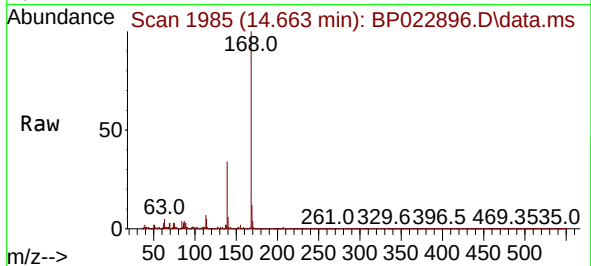
#56
Dibenzenofuran
Concen: 2.328 ng/ul
RT: 14.663 min Scan# 1982
Delta R.T. 0.012 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Instrument :
BNA_P
ClientSampleId :
A4EA9

Tgt Ion:168 Resp: 5348
Ion Ratio Lower Upper
168 100
139 34.2 30.2 45.2

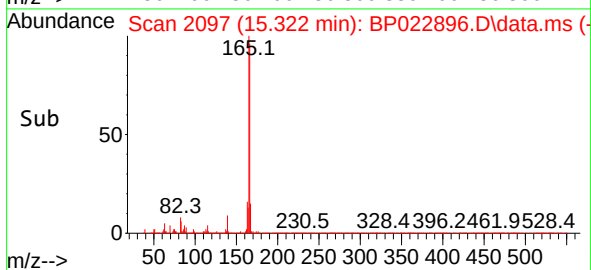
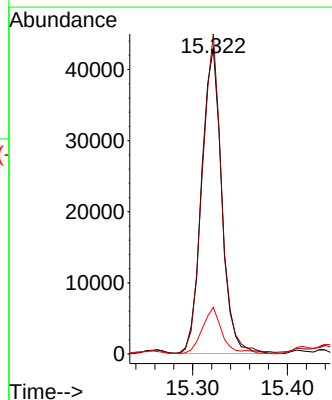
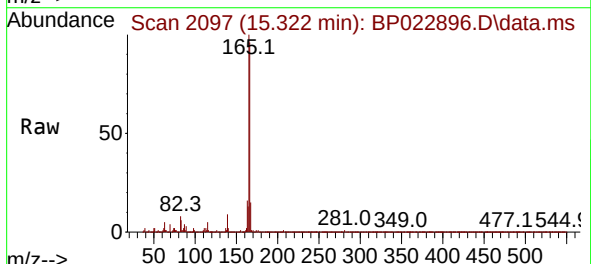
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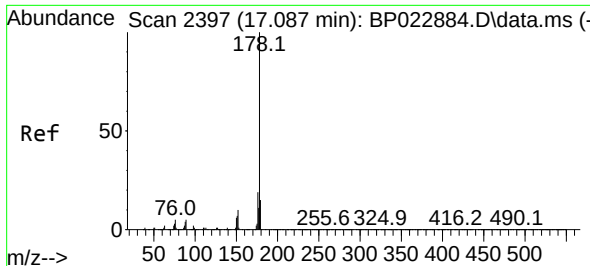
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#61
Fluorene
Concen: 3.375 ng/ul
RT: 15.322 min Scan# 2097
Delta R.T. 0.012 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Tgt Ion:166 Resp: 63179
Ion Ratio Lower Upper
166 100
165 104.7 77.8 116.6
167 15.2 11.1 16.7





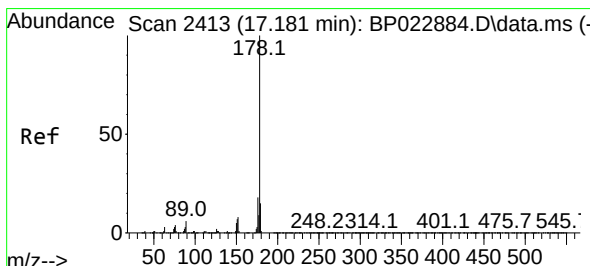
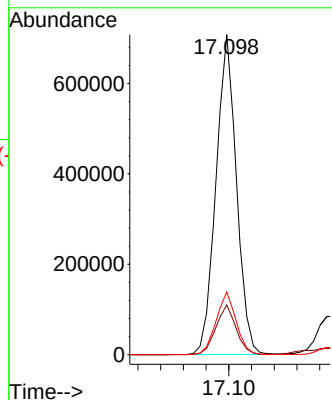
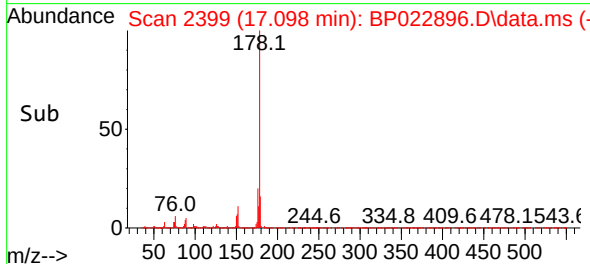
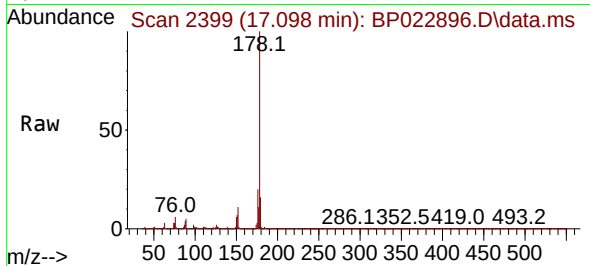
#72
Phenanthrene
Concen: 28.153 ng/ul
RT: 17.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Instrument :
BNA_P
ClientSampleId :
A4EA9

Tgt Ion:178 Resp: 88750
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.6 15.7 23.5

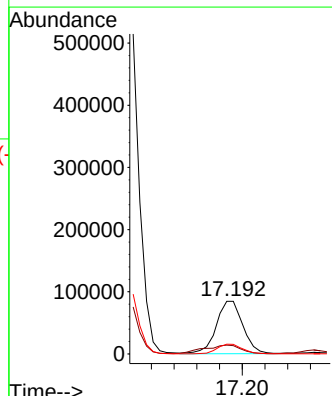
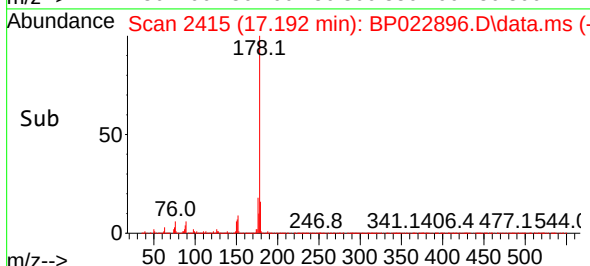
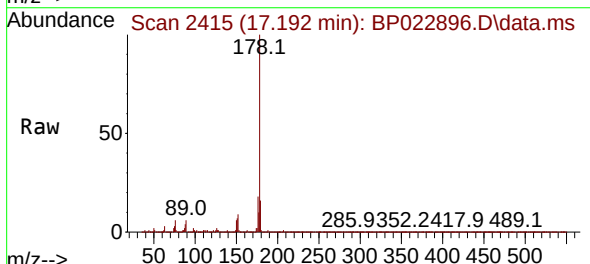
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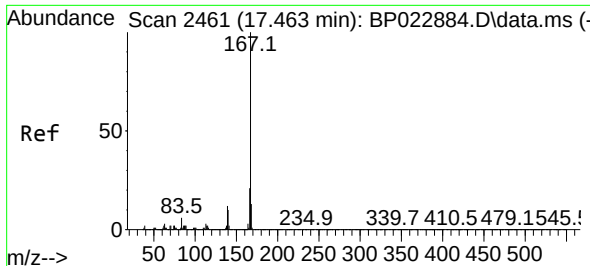
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#74
Anthracene
Concen: 4.372 ng/ul
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Tgt Ion:178 Resp: 137528
Ion Ratio Lower Upper
178 100
179 15.9 12.0 18.0
176 18.2 15.0 22.4





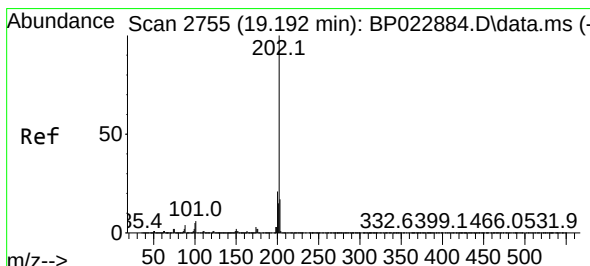
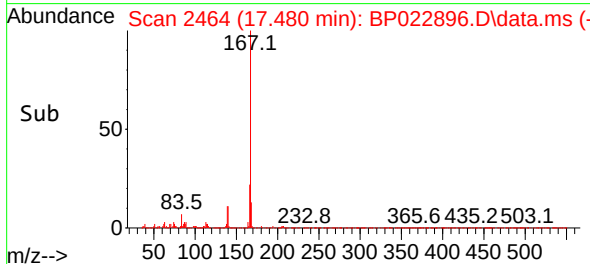
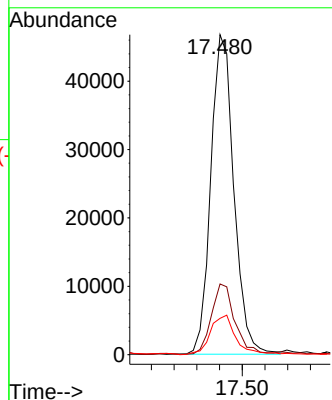
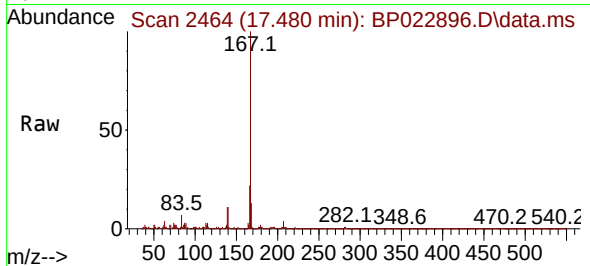
#77
 Carbazole
 Concen: 2.366 ng/ul
 RT: 17.480 min Scan# 2461
 Delta R.T. -0.006 min
 Lab File: BP022896.D
 Acq: 06 Nov 2024 16:34

Instrument :
 BNA_P
 ClientSampleId :
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Tgt Ion:	167	Resp:	6587
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.0	25.6
139	11.3	10.3	15.5

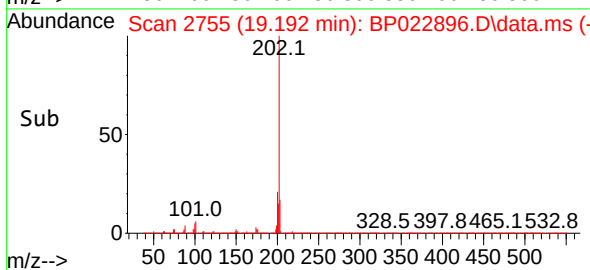
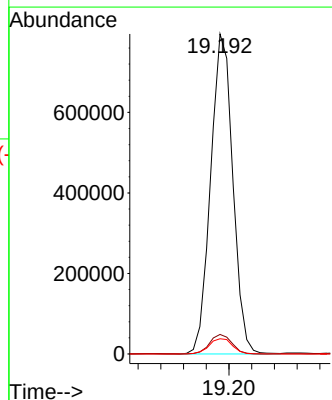
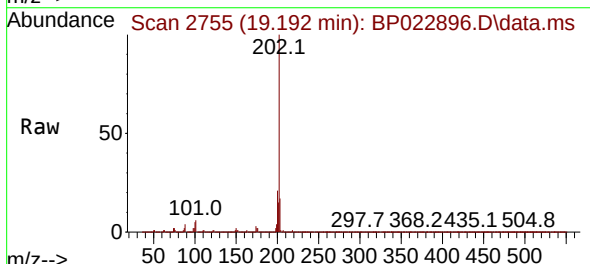
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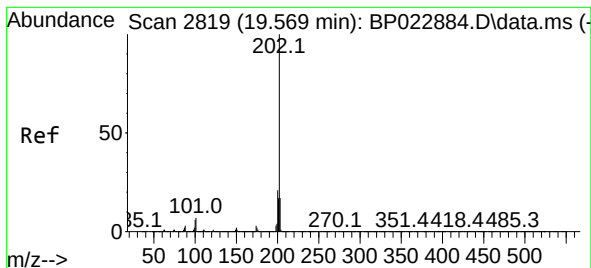
Reviewed By :Yogesh Patel 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024



#80
 Fluoranthene
 Concen: 29.374 ng/ul
 RT: 19.192 min Scan# 2755
 Delta R.T. 0.006 min
 Lab File: BP022896.D
 Acq: 06 Nov 2024 16:34

Tgt Ion:	202	Resp:	1075598
Ion Ratio	Lower	Upper	
202	100		
101	6.1	5.8	8.8
100	4.8	4.5	6.7





#82

Pyrene

Concen: 12.417 ng/ul

RT: 19.569 min Scan# 2819

Delta R.T. -0.000 min

Lab File: BP022896.D

Acq: 06 Nov 2024 16:34

Instrument :

BNA_P

ClientSampleId :

A4EA9

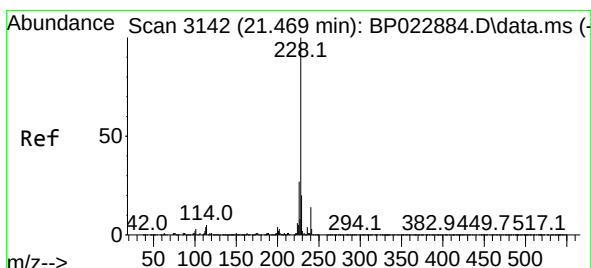
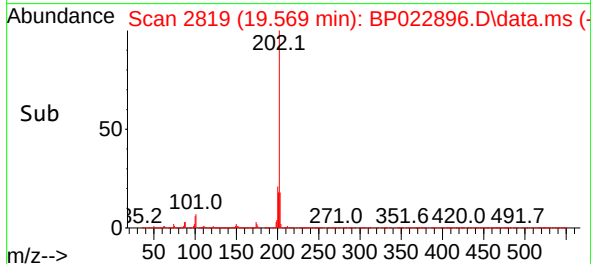
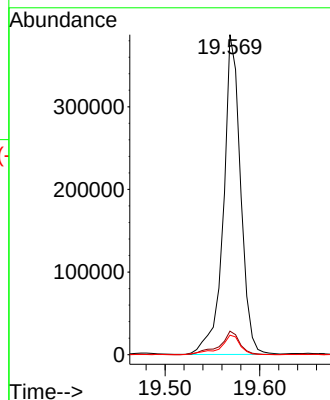
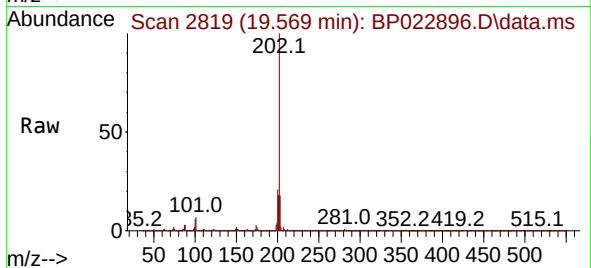
Tgt Ion:	202	Resp:	48731
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.7	10.1
100	6.1	5.8	8.6

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 11/08/2024



#85

Benzo(a)anthracene

Concen: 10.016 ng/ul

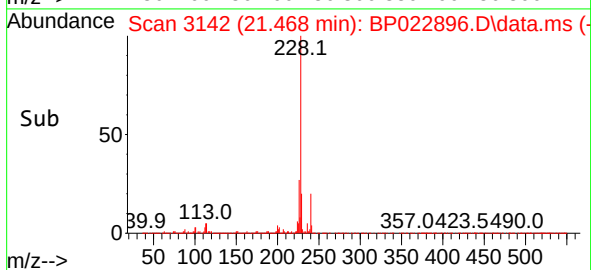
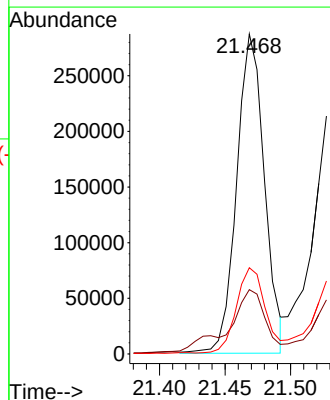
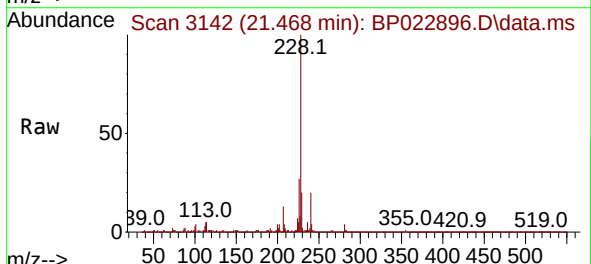
RT: 21.468 min Scan# 3142

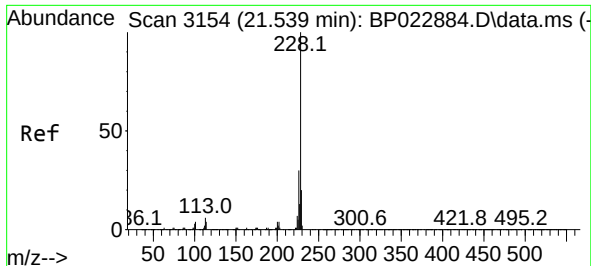
Delta R.T. -0.006 min

Lab File: BP022896.D

Acq: 06 Nov 2024 16:34

Tgt Ion:	228	Resp:	422915
Ion Ratio	Lower	Upper	
228	100		
229	20.1	15.4	23.0
226	27.0	21.5	32.3





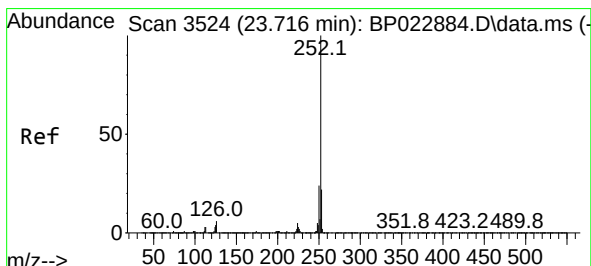
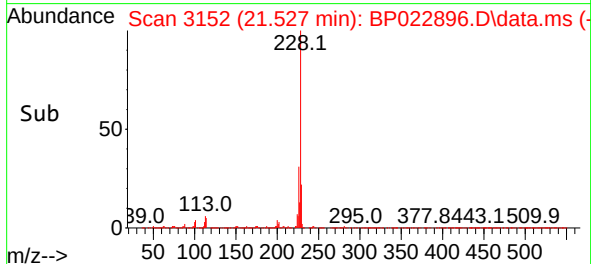
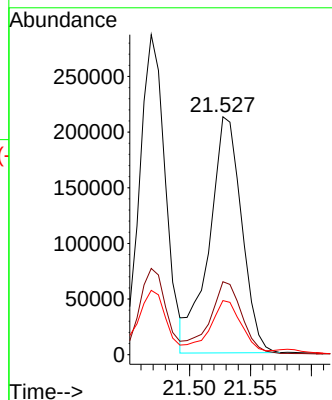
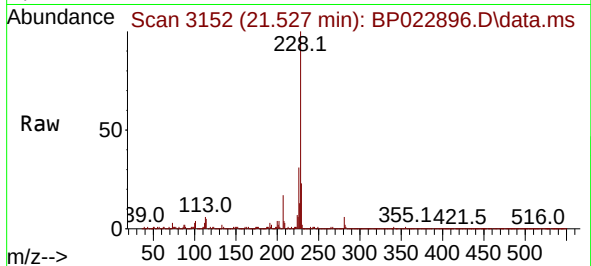
#87
Chrysene
Concen: 10.052 ng/ul
RT: 21.527 min Scan# 3152
Delta R.T. -0.018 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Instrument :
BNA_P
ClientSampleId :
A4EA9

Tgt Ion:228 Resp: 393560
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.8
229 22.7 15.5 23.3

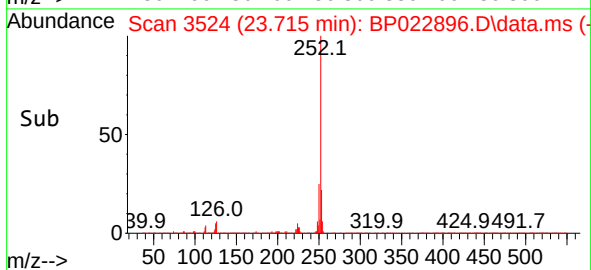
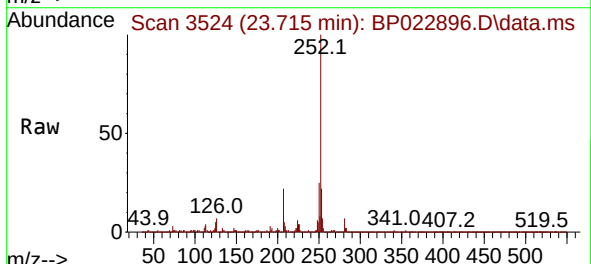
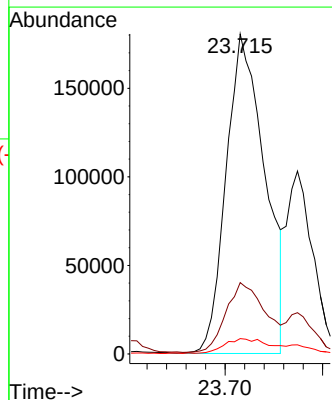
Manual Integrations
APPROVED

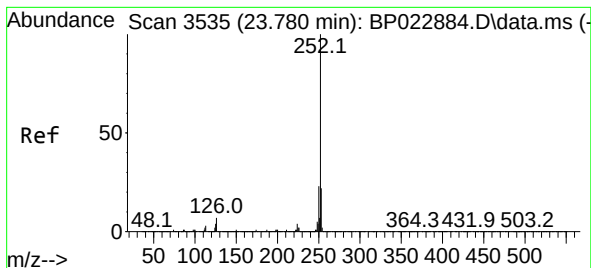
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#90
Benzo(b)fluoranthene
Concen: 11.233 ng/ul m
RT: 23.715 min Scan# 3524
Delta R.T. -0.006 min
Lab File: BP022896.D
Acq: 06 Nov 2024 16:34

Tgt Ion:252 Resp: 496661
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 4.8 5.0 7.4





#91

Benzo(k)fluoranthene

Concen: 4.334 ng/ul

RT: 23.774 min Scan# 3535

Delta R.T. -0.012 min

Lab File: BP022896.D

Acq: 06 Nov 2024 16:34

Instrument :

BNA_P

ClientSampleId :

A4EA9

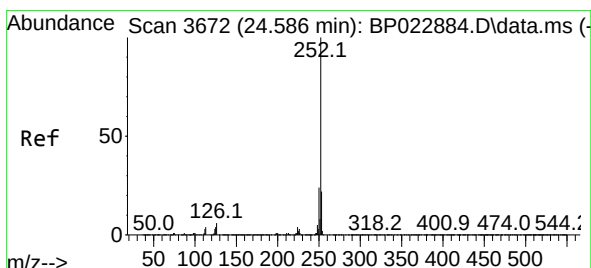
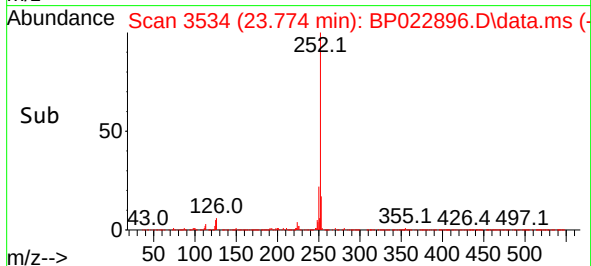
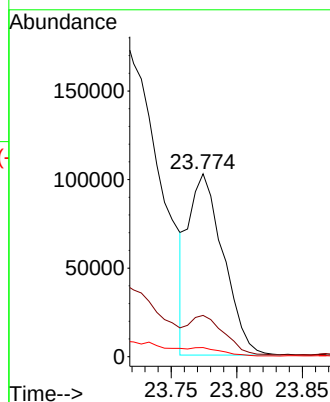
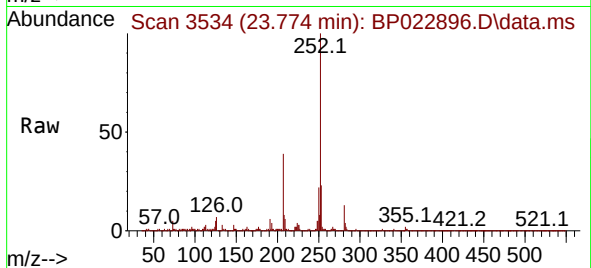
Tgt Ion:252	Resp: 187599
Ion Ratio	Lower Upper
252 100	
253 22.6	17.4 26.0
125 5.0	4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#93

Benzo(a)pyrene

Concen: 2.938 ng/ul m

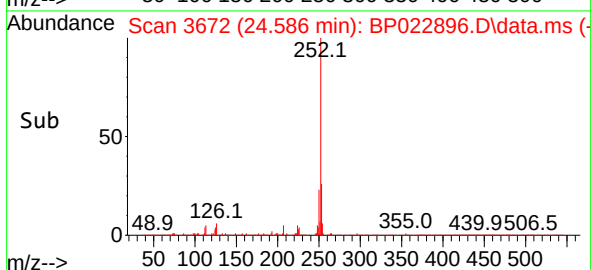
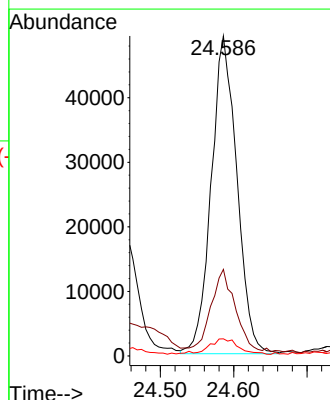
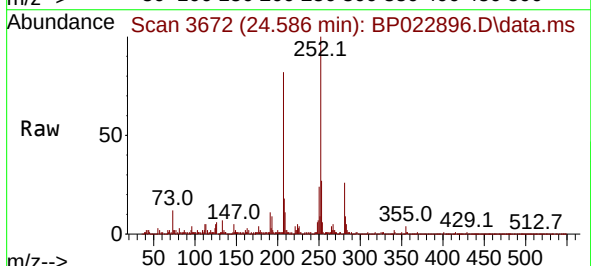
RT: 24.586 min Scan# 3672

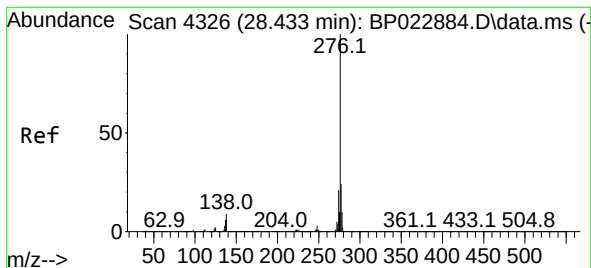
Delta R.T. -0.006 min

Lab File: BP022896.D

Acq: 06 Nov 2024 16:34

Tgt Ion:252	Resp: 119563
Ion Ratio	Lower Upper
252 100	
253 27.1	17.7 26.5#
125 5.3	4.9 7.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.279 ng/ul m

RT: 28.433 min Scan# 4326

Delta R.T. -0.000 min

Lab File: BP022896.D

Acq: 06 Nov 2024 16:34

Instrument :

BNA_P

ClientSampleId :

A4EA9

Tgt Ion: 276 Resp: 12375

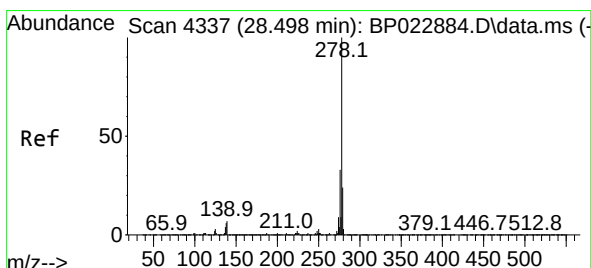
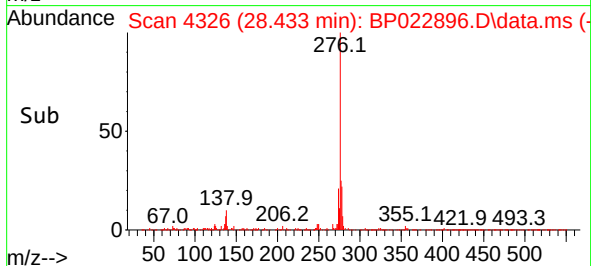
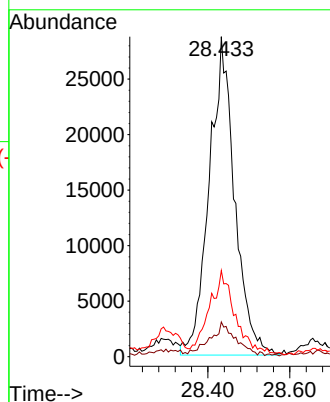
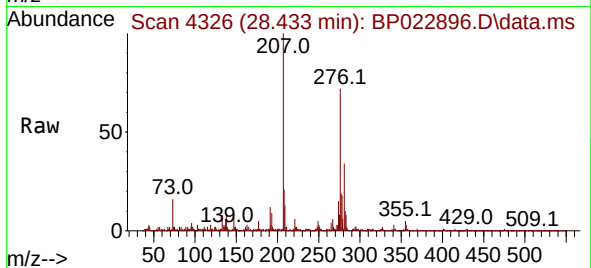
Ion	Ratio	Lower	Upper
276	100		
138	10.8	9.1	13.7
277	26.9	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.541 ng/ul m

RT: 28.480 min Scan# 4334

Delta R.T. -0.018 min

Lab File: BP022896.D

Acq: 06 Nov 2024 16:34

Tgt Ion: 278 Resp: 67759

Ion	Ratio	Lower	Upper
278	100		
139	8.8	7.3	10.9
279	27.0	19.0	28.4

