

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102124\
 Data File : BP022529.D
 Acq On : 22 Oct 2024 07:41
 Operator : RC/JU
 Sample : P4429-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4FB3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 22 08:11:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 05:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	127663	20.000	ng/u1	0.00
20) Naphthalene-d8	10.422	136	487996	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	364511	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.087	188	867733	20.000	ng/u1	0.00
79) Chrysene-d12	21.504	240	871372	20.000	ng/u1	0.00
88) Perylene-d12	24.774	264	1024497	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	6354m	1.934	ng/uL	0.00
4) Pyridine-d5	3.628	84	11597	1.286	ng/u1	0.02
7) Phenol-d5	6.858	99	112990	10.514	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.011	67	68085	10.780	ng/u1	0.00
11) 2-Chlorophenol-d4	7.211	132	87737	11.506	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	97663	11.388	ng/u1	0.00
21) Nitrobenzene-d5	8.805	128	41334	11.016	ng/u1	0.00
24) 2-Nitrophenol-d4	9.516	143	48874	11.251	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.057	165	109418	11.851	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	77509	7.105	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	370208	12.783	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	386637	12.569	ng/u1	0.00
54) 4-Nitrophenol-d4	14.516	143	37065m	7.629	ng/u1	0.01
60) Fluorene-d10	15.292	176	340819	13.568	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.422	200	24263	4.251	ng/u1	0.00
73) Anthracene-d10	17.175	188	554350	13.580	ng/u1	0.00
81) Pyrene-d10	19.557	212	559415	12.140	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.539	264	472859	8.642	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	6.887	94	16781	1.501	ng/u1	96
16) Acetophenone	8.475	105	80272	5.670	ng/u1	96
30) Naphthalene	10.469	128	142597	5.486	ng/u1	98
36) 2-Methylnaphthalene	12.075	142	65968	3.458	ng/u1	95
37) 1-Methylnaphthalene	12.299	142	49756	2.555	ng/u1	95
43) 1,1'-Biphenyl	13.098	154	26642	1.014	ng/u1	95
52) Acenaphthene	14.340	153	387836	17.180	ng/u1	98
56) Dibenzofuran	14.687	168	290144	8.556	ng/u1	97
61) Fluorene	15.351	166	427330	15.466	ng/u1	98
72) Phenanthrene	17.128	178	5291357	113.978	ng/u1	99
74) Anthracene	17.210	178	998129	21.544	ng/u1	99
77) Carbazole	17.498	167	426998	10.416	ng/u1	99
80) Fluoranthene	19.210	202	6392771	120.677	ng/u1	100
82) Pyrene	19.592	202	4320529	76.095	ng/u1	98
85) Benzo(a)anthracene	21.486	228	2603740	42.624	ng/u1	98
87) Chrysene	21.551	228	2472908	43.659	ng/u1	97
90) Benzo(b)fluoranthene	23.739	252	2724730	42.252	ng/u1	98
91) Benzo(k)fluoranthene	23.798	252	883285	13.990	ng/u1	97
93) Benzo(a)pyrene	24.616	252	1048758	17.670	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.456	276	823534	10.398	ng/u1	97
95) Dibenzo(a,h)anthracene	28.527	278	320742m	5.001	ng/u1	
96) Benzo(g,h,i)perylene	29.592	276	96558m	1.567	ng/u1	

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 05:59:59 2024
Response via : Initial Calibration

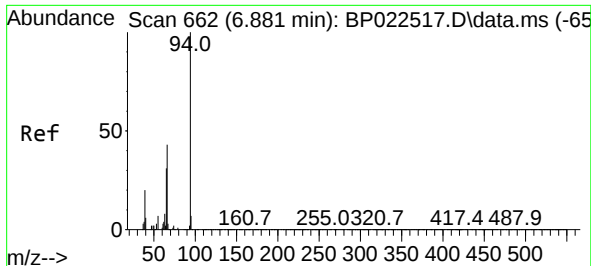
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Manual Integrations APPROVED

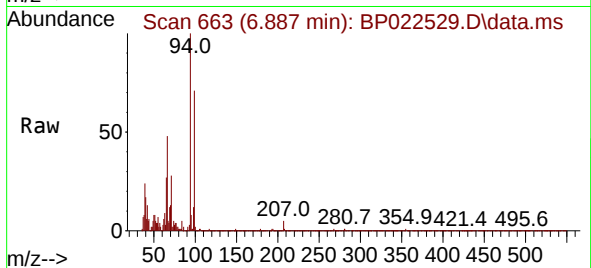
Quant Time: Oct 22 08:11:18 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 05:59:59 2024
Response via : Initial Calibration





#8
Phenol
Concen: 1.501 ng/u1
RT: 6.887 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

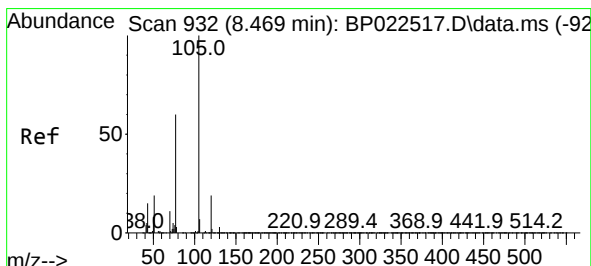
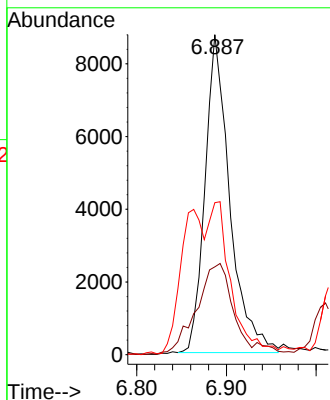
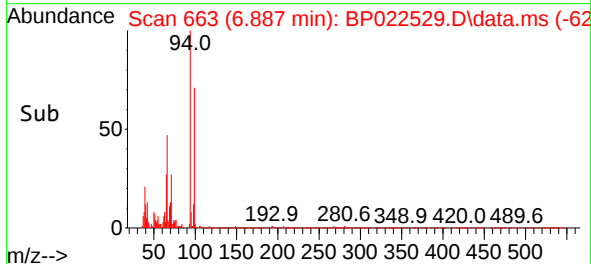
Instrument :
BNA_P
ClientSampleId :
A4FB3



Tgt Ion: 94 Resp: 1678
Ion Ratio Lower Upper
94 100
65 27.5 25.9 38.9
66 47.5 37.6 56.4

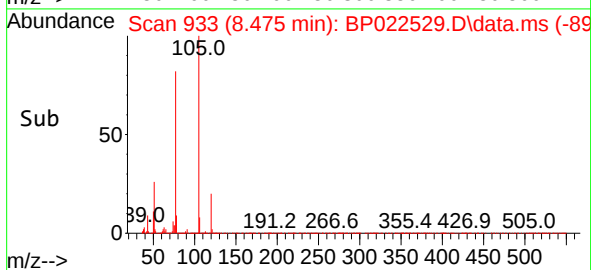
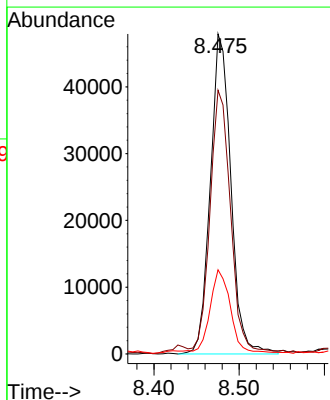
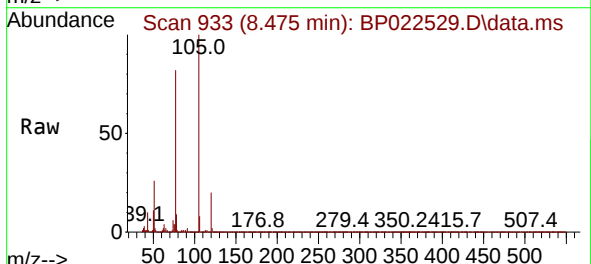
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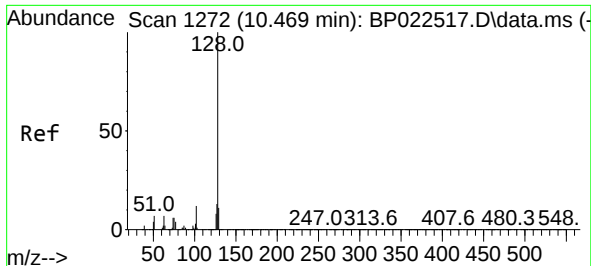
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#16
Acetophenone
Concen: 5.670 ng/u1
RT: 8.475 min Scan# 933
Delta R.T. 0.006 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

Tgt Ion:105 Resp: 80272
Ion Ratio Lower Upper
105 100
77 82.4 69.0 103.4
51 26.3 22.6 33.8





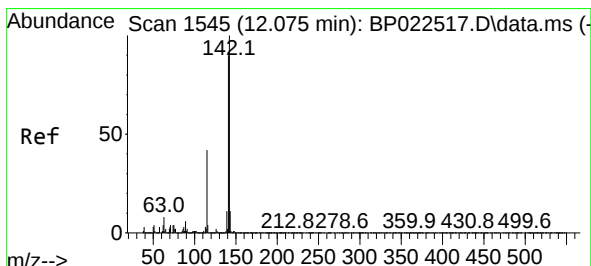
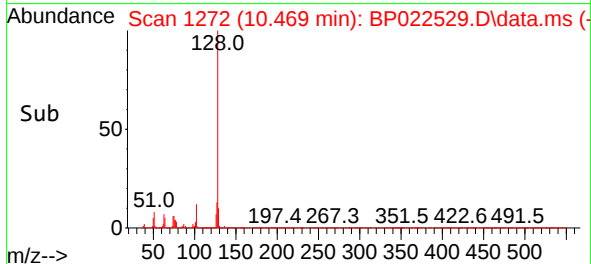
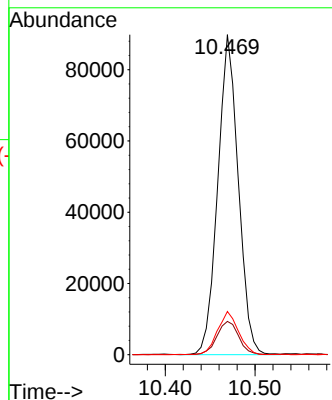
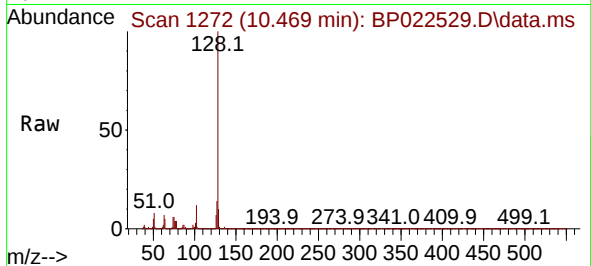
#30
Naphthalene
Concen: 5.486 ng/ul
RT: 10.469 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

Instrument :
BNA_P
ClientSampleId :
A4FB3

Tgt Ion:128 Resp: 142597
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 13.5 9.9 14.9

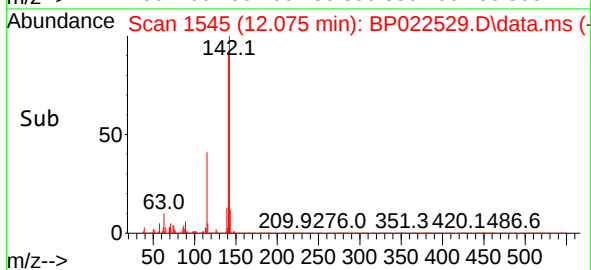
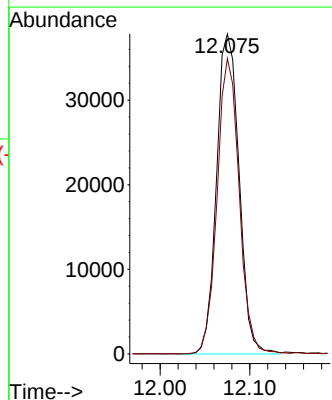
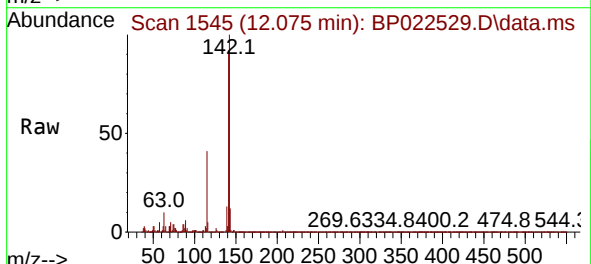
Manual Integrations
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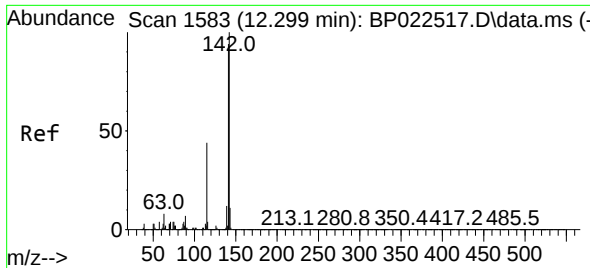
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#36
2-Methylnaphthalene
Concen: 3.458 ng/ul
RT: 12.075 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

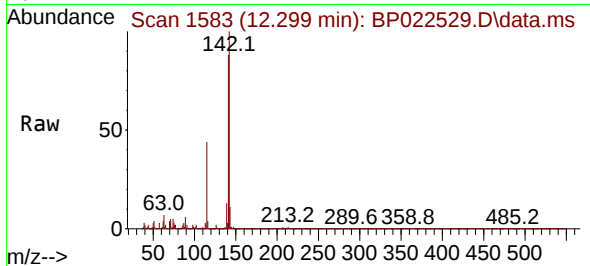
Tgt Ion:142 Resp: 65968
Ion Ratio Lower Upper
142 100
141 92.3 69.8 104.6





#37
1-Methylnaphthalene
Concen: 2.555 ng/ul
RT: 12.299 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

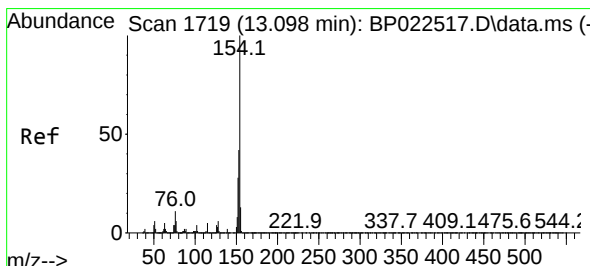
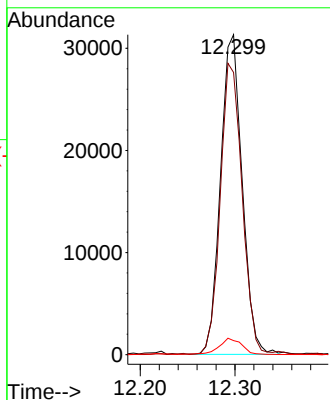
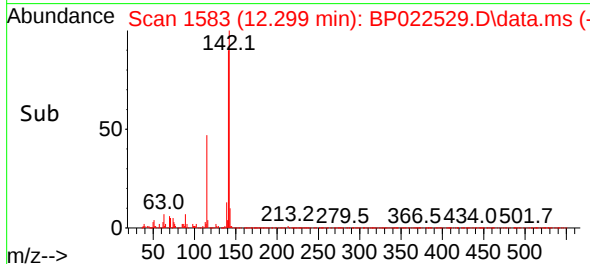
Instrument :
BNA_P
ClientSampleId :
A4FB3



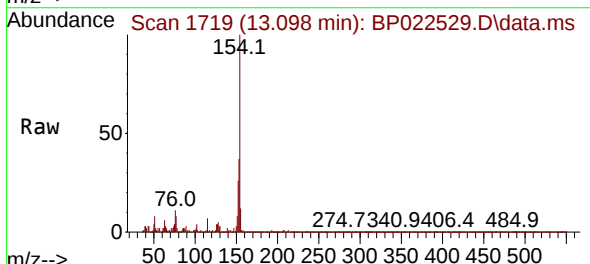
Tgt Ion:142 Resp: 49750
Ion Ratio Lower Upper
142 100
141 88.2 74.8 112.2
116 4.4 4.1 6.1

Manual Integrations
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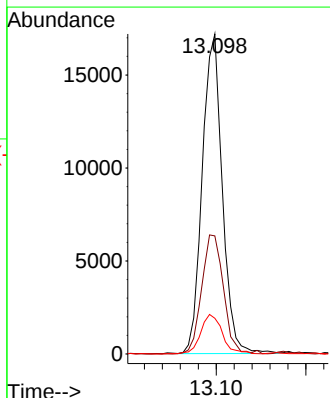
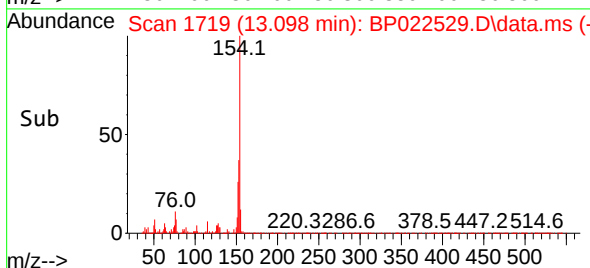
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024

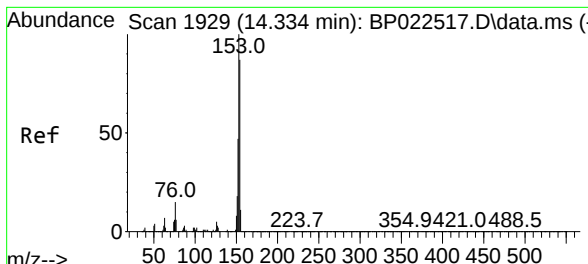


#43
1,1'-Biphenyl
Concen: 1.014 ng/ul
RT: 13.098 min Scan# 1719
Delta R.T. 0.006 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41



Tgt Ion:154 Resp: 26642
Ion Ratio Lower Upper
154 100
153 36.9 32.5 48.7
76 11.1 9.0 13.6





#52
 Acenaphthene
 Concen: 17.180 ng/ul
 RT: 14.340 min Scan# 1929
 Delta R.T. 0.006 min
 Lab File: BP022529.D
 Acq: 22 Oct 2024 07:41

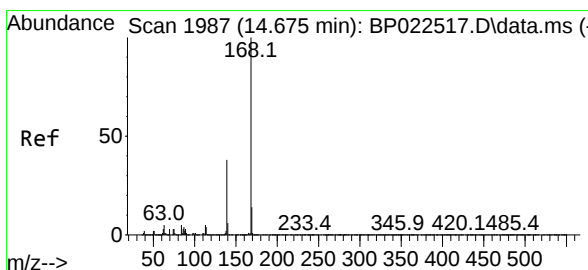
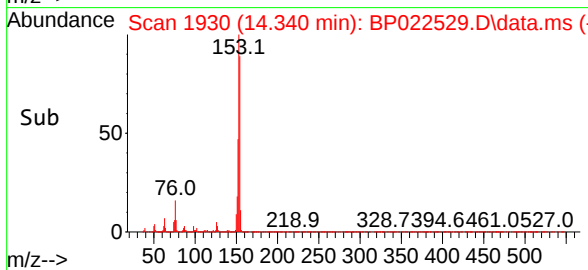
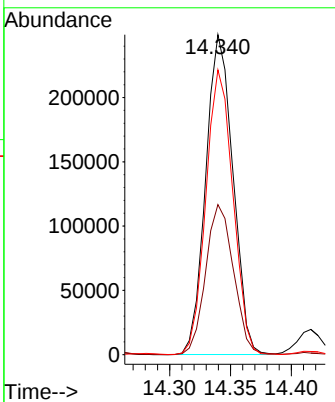
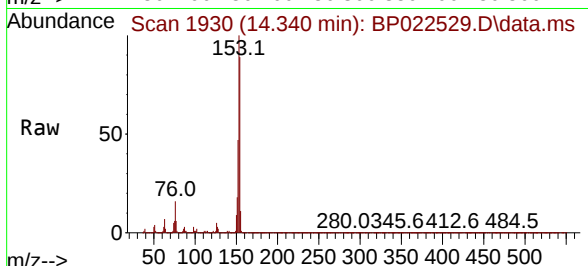
Instrument : BNA_P
 ClientSampleId : A4FB3

Tgt Ion:153 Resp: 387830

Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.8	56.6
154	89.0	69.5	104.3

Manual Integrations
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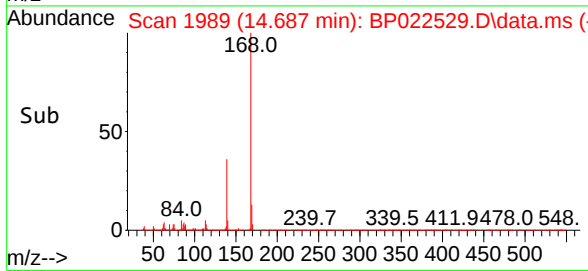
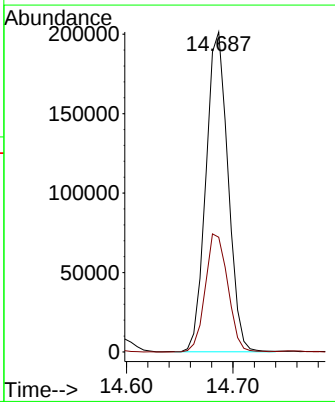
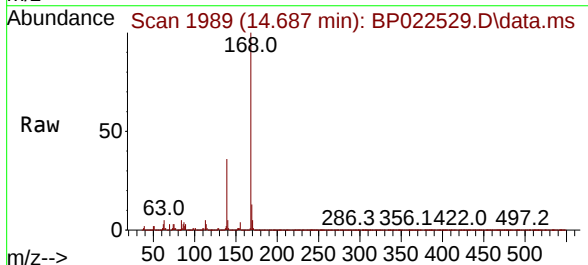
Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/25/2024

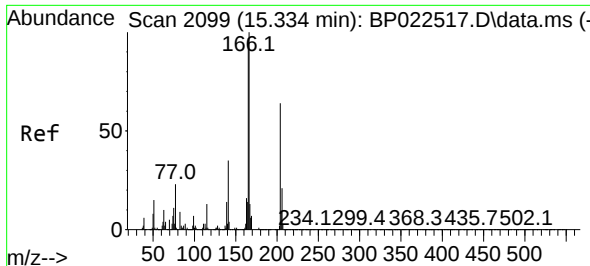


#56
 Dibenzofuran
 Concen: 8.556 ng/ul
 RT: 14.687 min Scan# 1989
 Delta R.T. 0.012 min
 Lab File: BP022529.D
 Acq: 22 Oct 2024 07:41

Tgt Ion:168 Resp: 290144

Ion	Ratio	Lower	Upper
168	100		
139	35.8	30.2	45.2





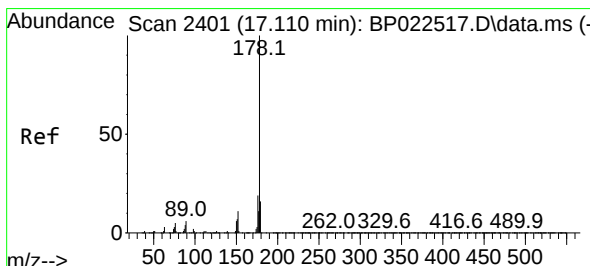
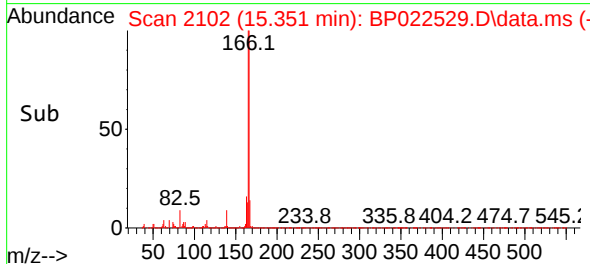
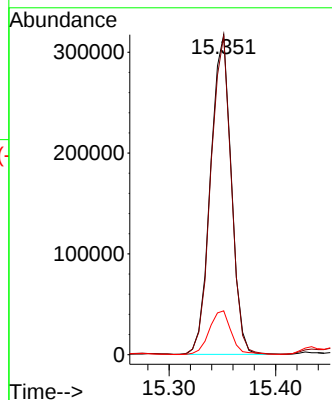
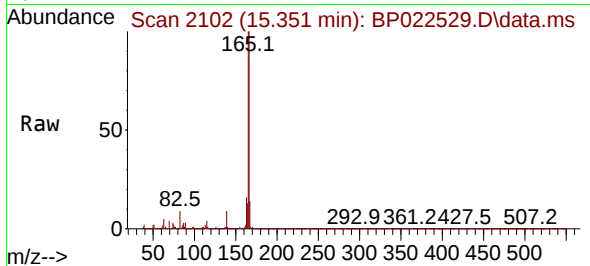
#61
Fluorene
Concen: 15.466 ng/ul
RT: 15.351 min Scan# 2102
Delta R.T. 0.012 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

Instrument :
BNA_P
ClientSampleId :
A4FB3

Tgt Ion:166 Resp: 427330
Ion Ratio Lower Upper
166 100
165 99.6 77.8 116.6
167 13.7 11.1 16.7

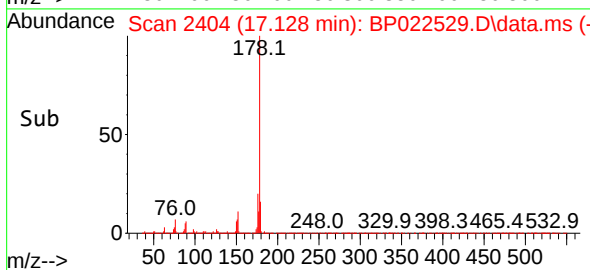
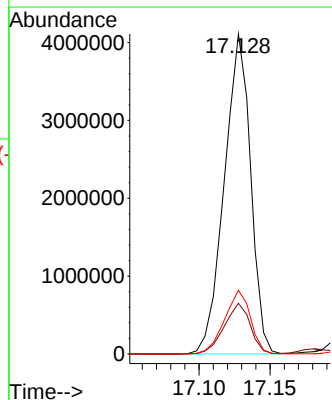
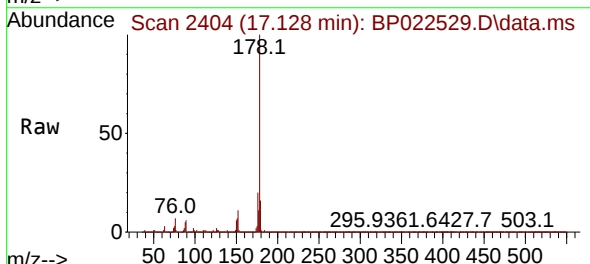
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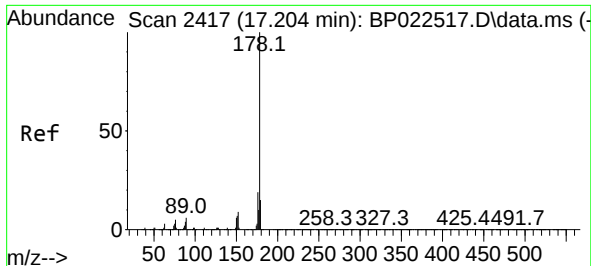
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#72
Phenanthrene
Concen: 113.978 ng/ul
RT: 17.128 min Scan# 2404
Delta R.T. 0.012 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

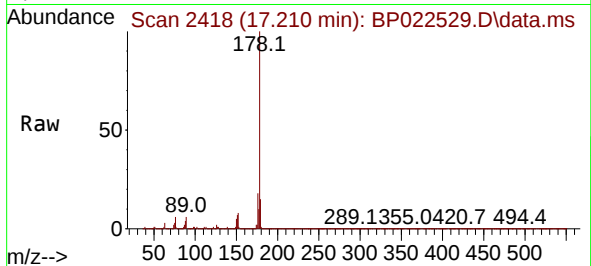
Tgt Ion:178 Resp: 5291357
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.4
176 19.9 15.7 23.5





#74
 Anthracene
 Concen: 21.544 ng/ul
 RT: 17.210 min Scan# 2417
 Delta R.T. 0.006 min
 Lab File: BP022529.D
 Acq: 22 Oct 2024 07:41

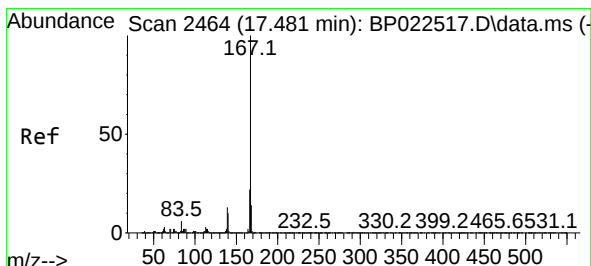
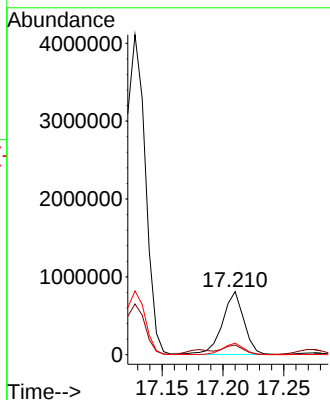
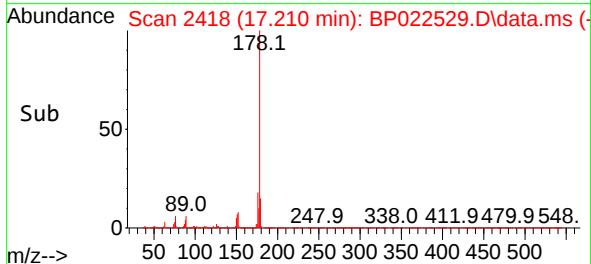
Instrument :
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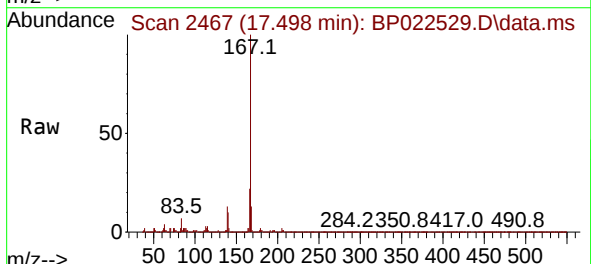
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 Ion Ratio Lower Upper
 178 100
 179 15.2 12.0 18.0
 176 18.3 15.0 22.4

Manual Integrations
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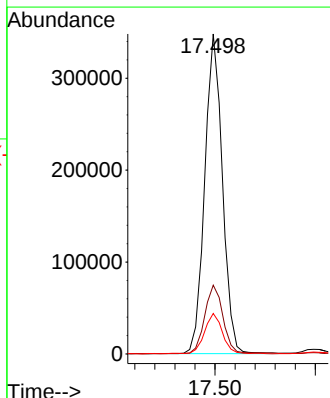
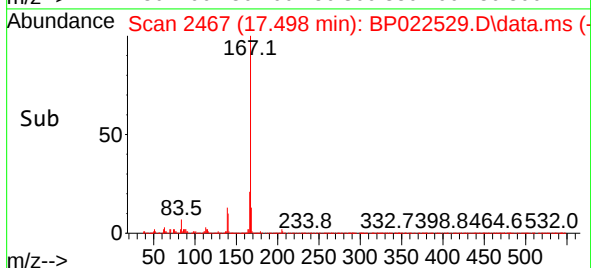
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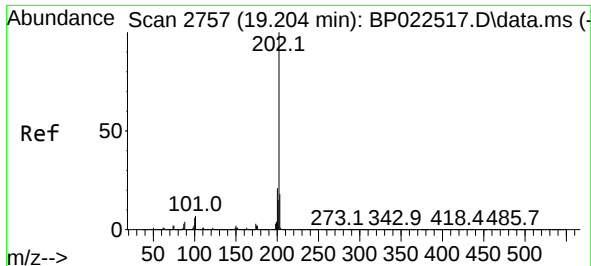


#77
 Carbazole
 Concen: 10.416 ng/ul
 RT: 17.498 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BP022529.D
 Acq: 22 Oct 2024 07:41



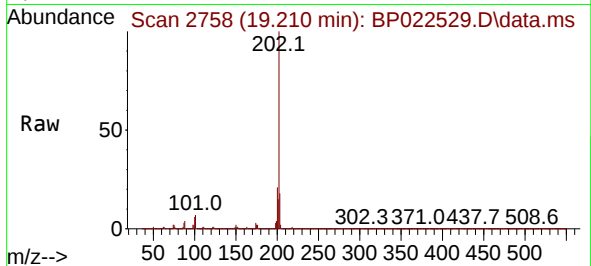
Tgt Ion:167 Resp: 426998
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 12.6 10.3 15.5





#80
Fluoranthene
Concen: 120.677 ng/u1
RT: 19.210 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41

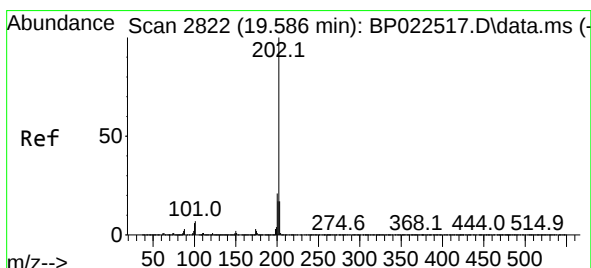
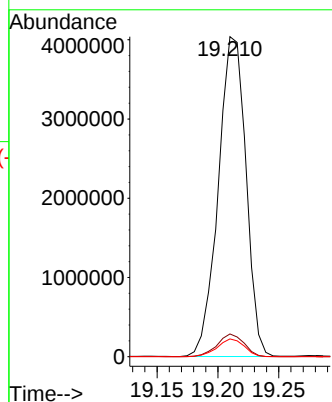
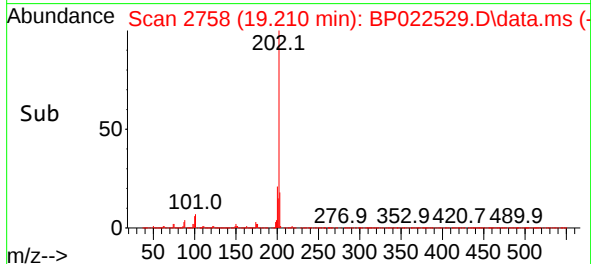
Instrument :
BNA_P
ClientSampleId :
A4FB3



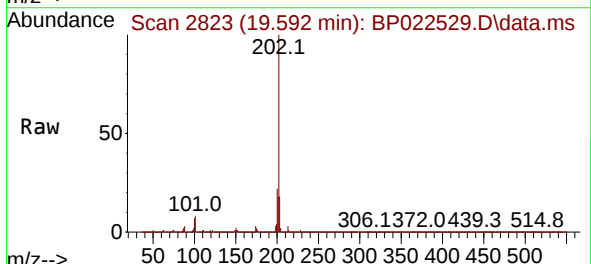
Tgt Ion:202 Resp: 639277
Ion Ratio Lower Upper
202 100
101 7.1 5.8 8.8
100 5.6 4.5 6.7

Manual Integrations
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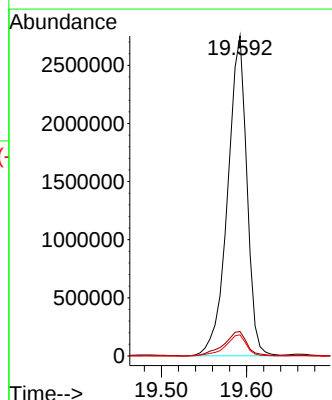
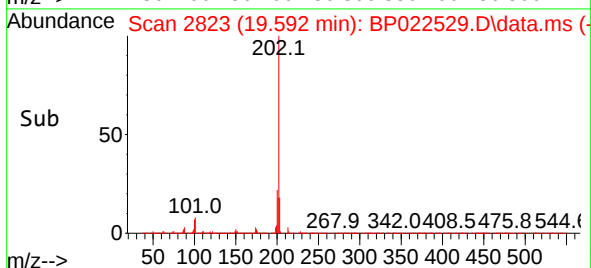
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024

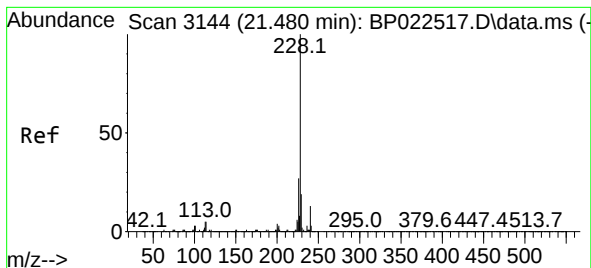


#82
Pyrene
Concen: 76.095 ng/u1
RT: 19.592 min Scan# 2823
Delta R.T. 0.006 min
Lab File: BP022529.D
Acq: 22 Oct 2024 07:41



Tgt Ion:202 Resp: 4320529
Ion Ratio Lower Upper
202 100
101 7.7 6.7 10.1
100 6.6 5.8 8.6





#85

Benzo(a)anthracene

Concen: 42.624 ng/ul

RT: 21.486 min Scan# 3144

Delta R.T. 0.006 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

Instrument :

BNA_P

ClientSampleId :

A4FB3

Tgt Ion:228 Resp: 2603740

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

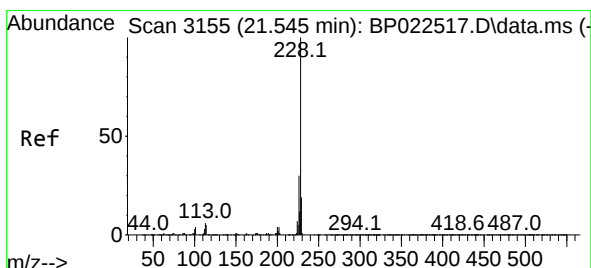
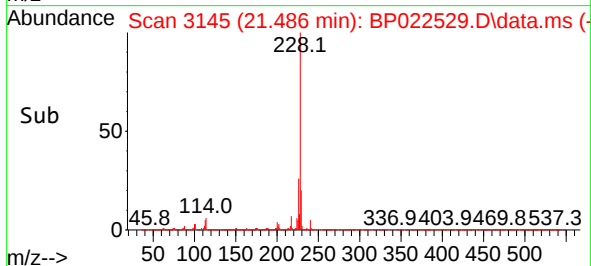
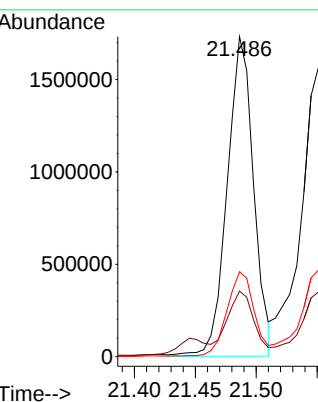
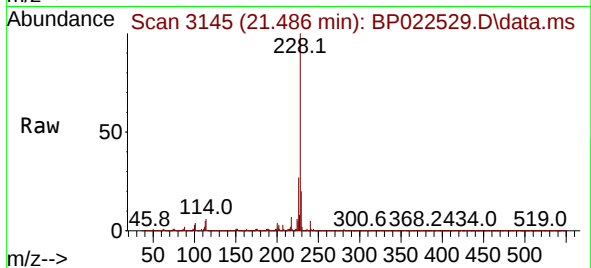
226 26.6 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/25/2024



#87

Chrysene

Concen: 43.659 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. 0.006 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

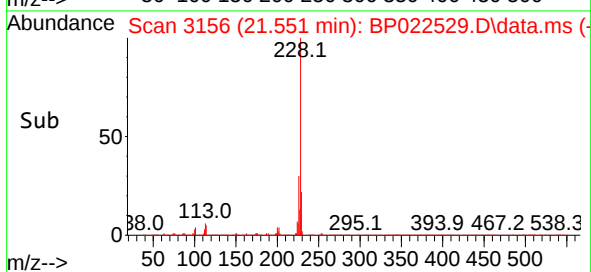
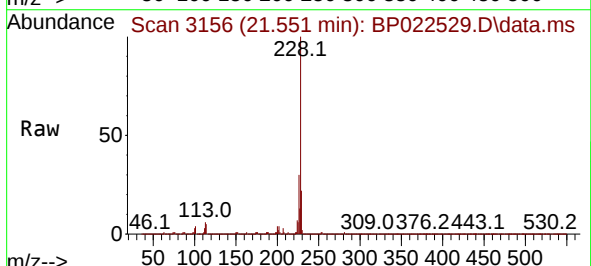
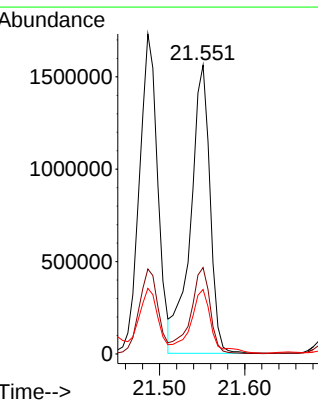
Tgt Ion:228 Resp: 2472908

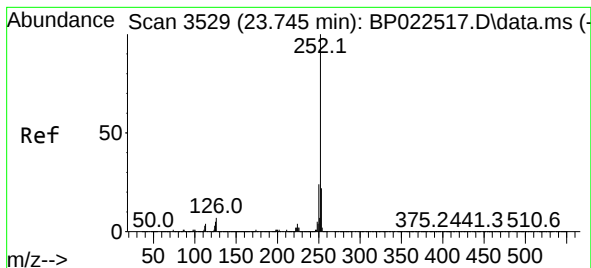
Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 22.3 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 42.252 ng/ul

RT: 23.739 min Scan# 3529

Delta R.T. 0.018 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

Instrument :

BNA_P

ClientSampleId :

A4FB3

Tgt Ion:252 Resp: 2724730

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

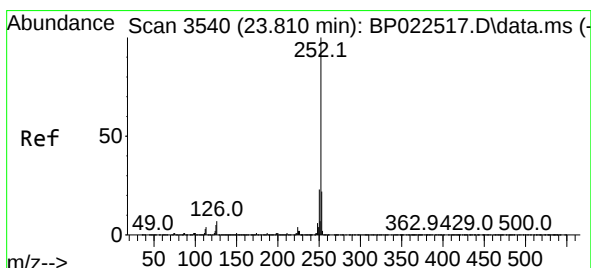
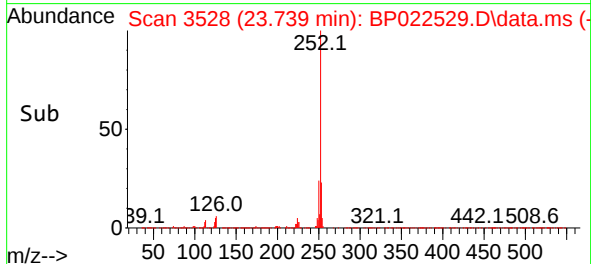
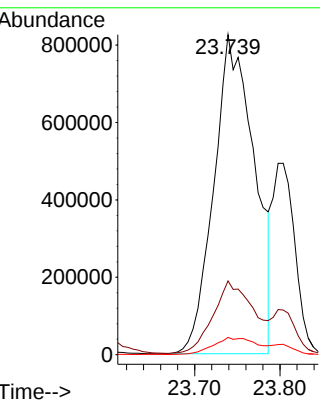
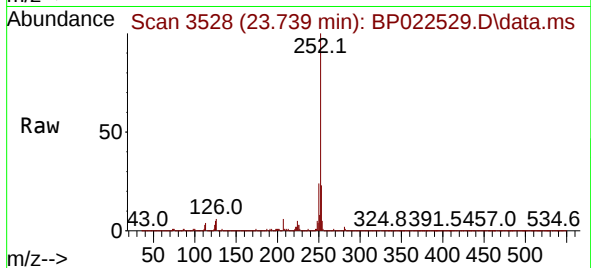
125 5.4 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/25/2024



#91

Benzo(k)fluoranthene

Concen: 13.990 ng/ul

RT: 23.798 min Scan# 3538

Delta R.T. 0.006 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

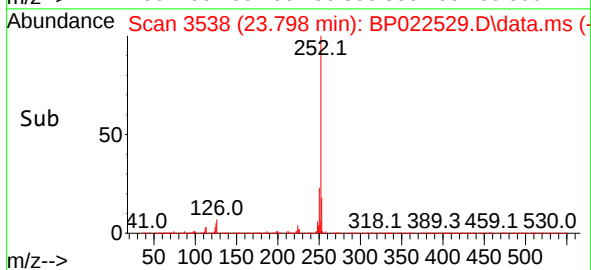
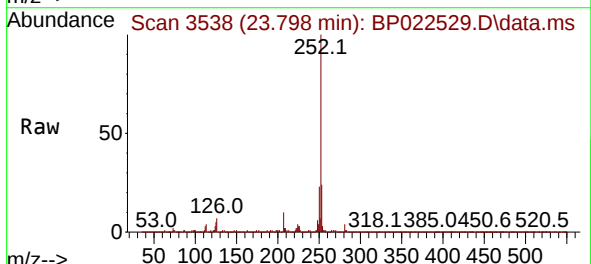
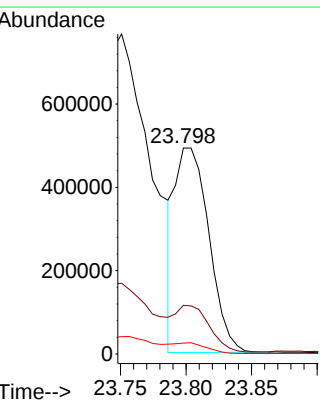
Tgt Ion:252 Resp: 883285

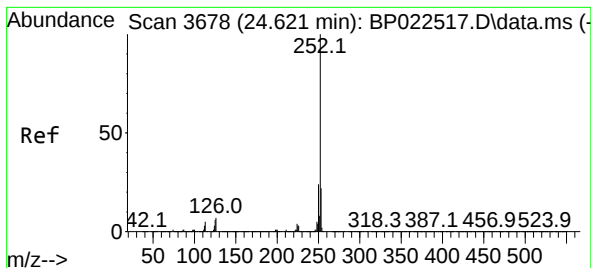
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 5.3 4.6 6.8





#93

Benzo(a)pyrene

Concen: 17.670 ng/ul

RT: 24.616 min Scan# 30

Delta R.T. 0.012 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

Instrument :

BNA_P

ClientSampleId :

A4FB3

Tgt Ion:252 Resp: 104875

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

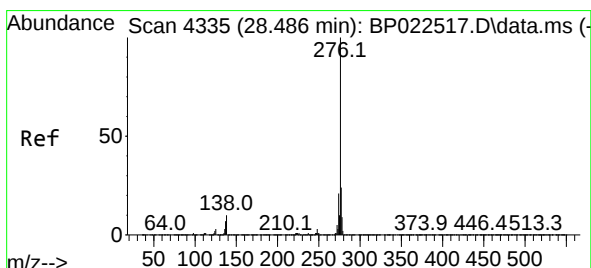
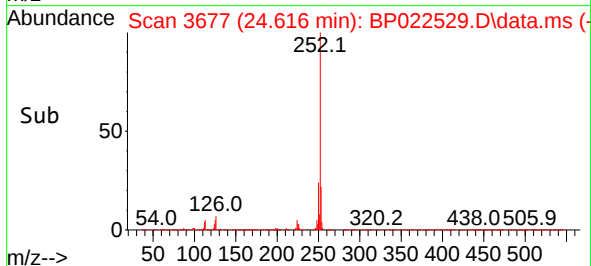
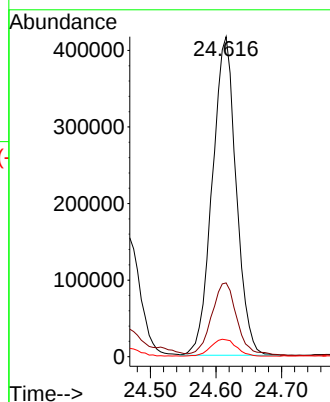
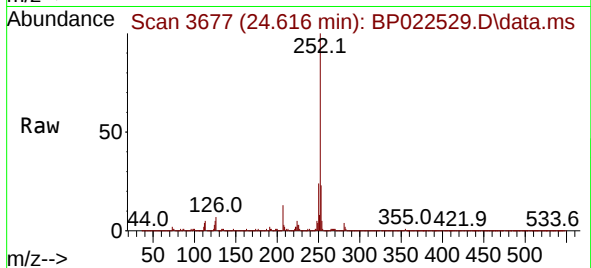
125 5.3 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 10.398 ng/ul

RT: 28.456 min Scan# 4330

Delta R.T. 0.024 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

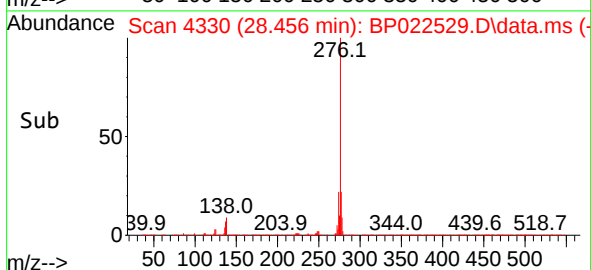
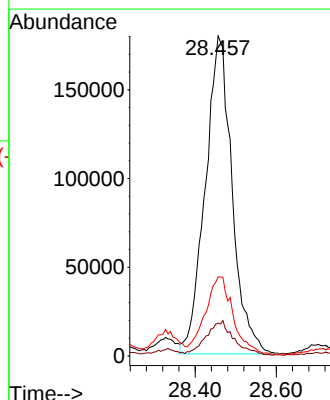
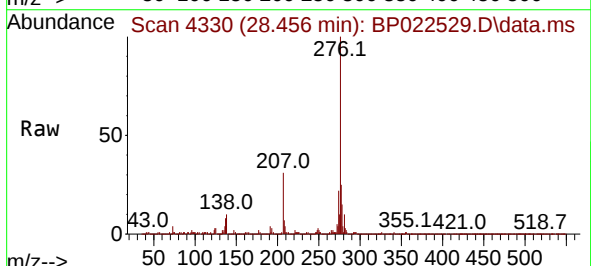
Tgt Ion:276 Resp: 823534

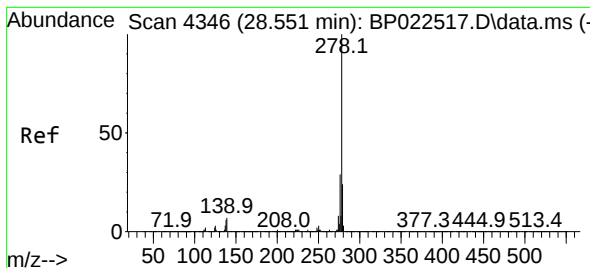
Ion Ratio Lower Upper

276 100

138 10.2 9.1 13.7

277 24.8 18.6 27.8





#95

Dibenzo(a,h)anthracene

Concen: 5.001 ng/ul m

RT: 28.527 min Scan# 4346

Delta R.T. 0.012 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

Instrument :

BNA_P

ClientSampleId :

A4FB3

Tgt Ion:278 Resp: 32074

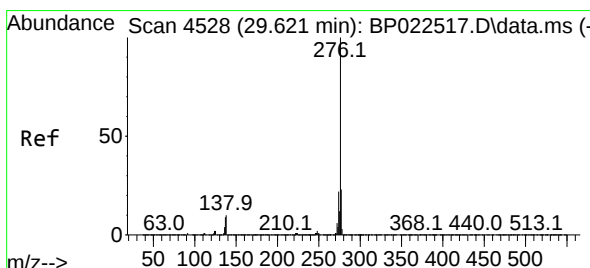
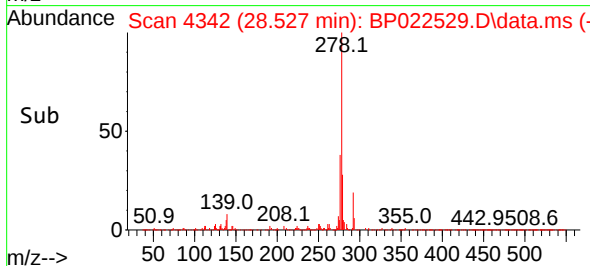
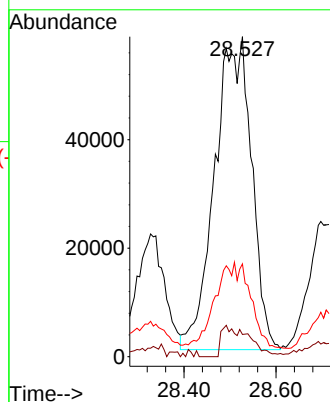
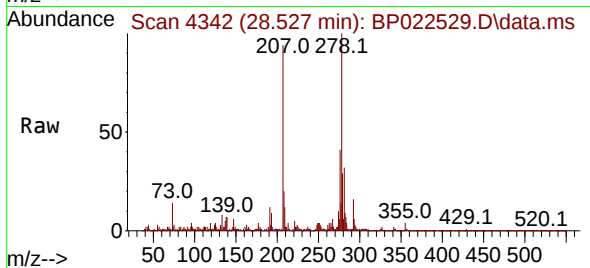
Ion	Ratio	Lower	Upper
278	100		
139	6.9	7.3	10.9
279	29.0	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/25/2024



#96

Benzo(g,h,i)perylene

Concen: 1.567 ng/ul m

RT: 29.592 min Scan# 4523

Delta R.T. 0.018 min

Lab File: BP022529.D

Acq: 22 Oct 2024 07:41

Tgt Ion:276 Resp: 96558

Ion	Ratio	Lower	Upper
276	100		
138	12.4	8.5	12.7
277	25.1	19.0	28.4

