

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP122324\
 Data File : BP023567.D
 Acq On : 23 Dec 2024 17:43
 Operator : RC/JU
 Sample : P5333-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2913

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 24 04:21:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 24 02:14:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	108699	20.000	ng/u1	0.01
20) Naphthalene-d8	10.269	136	389284	20.000	ng/u1	# 0.01
38) Acenaphthene-d10	14.151	164	266388	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	622608	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.392	240	804517	20.000	ng/u1	# 0.00
88) Perylene-d12	24.568	264	992295	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.081	96	16497	5.588	ng/uL	0.00
4) Pyridine-d5	3.540	84	20450m	2.694	ng/u1	0.05
7) Phenol-d5	6.746	99	291826	34.217	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.869	67	169771	31.551	ng/u1	0.01
11) 2-Chlorophenol-d4	7.069	132	212842	33.813	ng/u1	0.01
15) 4-Methylphenol-d8	8.252	113	201782	29.314	ng/u1	0.02
21) Nitrobenzene-d5	8.669	128	95174	32.740	ng/u1	0.01
24) 2-Nitrophenol-d4	9.381	143	117588	35.098	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	9.940	165	219653	31.064	ng/u1	0.02
31) 4-Chloroaniline-d4	10.434	131	159928m	20.190	ng/u1	0.01
46) Dimethylphthalate-d6	13.557	166	286902	13.874	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	705115	32.326	ng/u1	0.00
54) 4-Nitrophenol-d4	14.475	143	93176	36.768	ng/u1	0.01
60) Fluorene-d10	15.163	176	544582	29.939	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.351	200	54035	14.360	ng/u1	0.01
73) Anthracene-d10	17.069	188	919226	32.350	ng/u1	0.00
81) Pyrene-d10	19.445	212	1093457	26.015	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.362	264	962634	18.122	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.769	94	33750	3.801	ng/u1#	68
16) Acetophenone	8.346	105	76840	6.632	ng/u1#	90
30) Naphthalene	10.322	128	445156	21.843	ng/u1	99
36) 2-Methylnaphthalene	11.934	142	194568	12.875	ng/u1	97
37) 1-Methylnaphthalene	12.157	142	147638	9.587	ng/u1#	97
43) 1,1'-Biphenyl	12.957	154	85589	4.535	ng/u1	98
52) Acenaphthene	14.216	153	788388	48.558	ng/u1	99
56) Dibenzofuran	14.563	168	958978	38.892	ng/u1	94
61) Fluorene	15.228	166	691155	34.425	ng/u1	100
72) Phenanthrene	17.010	178	12155624	377.646	ng/u1	97
74) Anthracene	17.104	178	2307974	71.710	ng/u1	100
77) Carbazole	17.392	167	1490862	56.857	ng/u1	98
80) Fluoranthene	19.104	202	14676751	304.725	ng/u1#	94
82) Pyrene	19.486	202	11990376	234.603	ng/u1	97
85) Benzo(a)anthracene	21.374	228	7249529	134.377	ng/u1	98
87) Chrysene	21.439	228	6566511	127.013	ng/u1	96
90) Benzo(b)fluoranthene	23.592	252	8662870	138.951	ng/u1#	97
91) Benzo(k)fluoranthene	23.645	252	3020860m	48.699	ng/u1	
93) Benzo(a)pyrene	24.445	252	5611347	99.267	ng/u1#	97
94) Indeno(1,2,3-cd)pyrene	28.192	276	3924407	54.023	ng/u1#	96
95) Dibenzo(a,h)anthracene	28.215	278	1126514	19.378	ng/u1#	90
96) Benzo(g,h,i)perylene	29.321	276	3431841	61.703	ng/u1#	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 24 02:14:57 2024
Response via : Initial Calibration

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

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

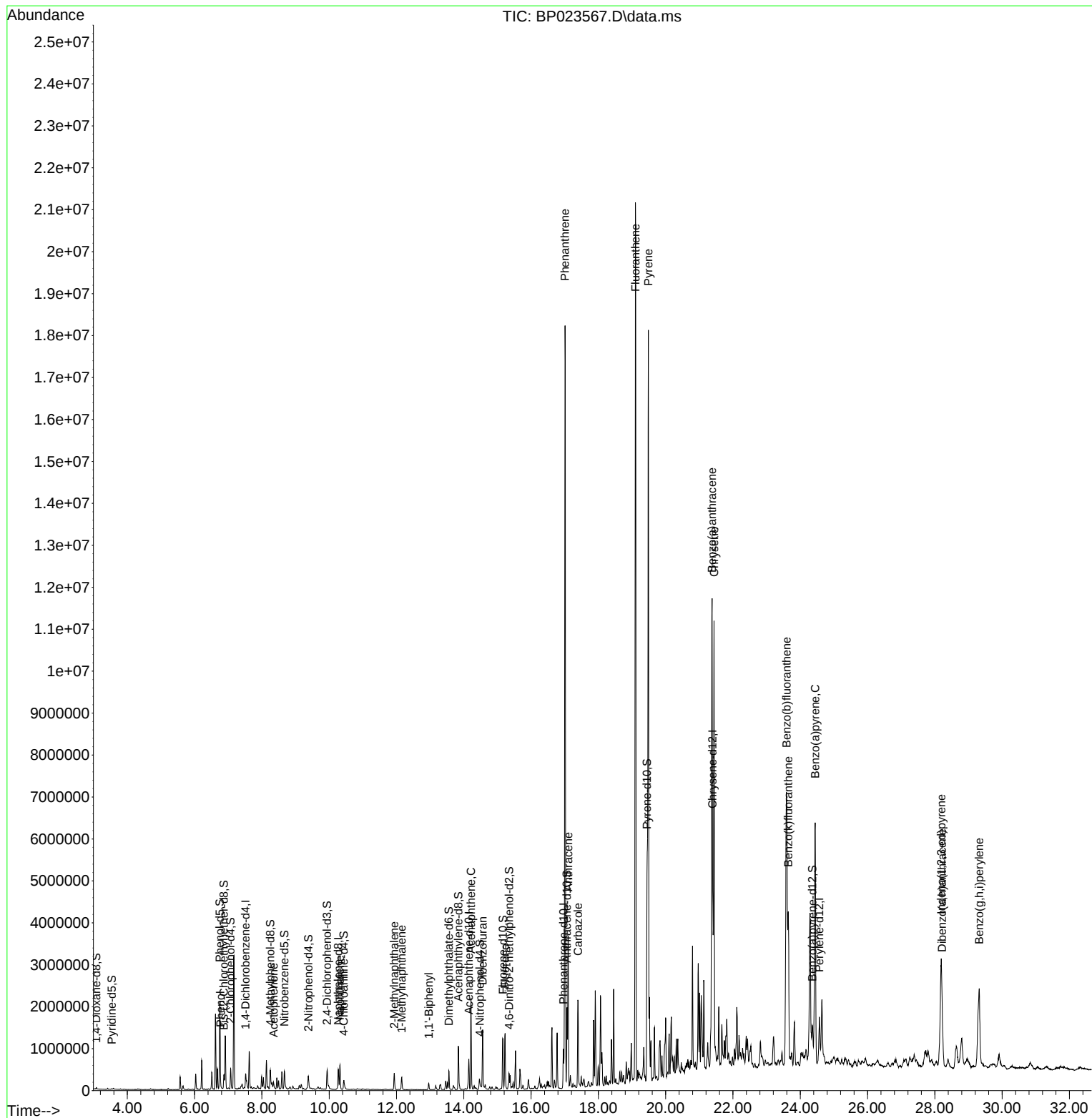
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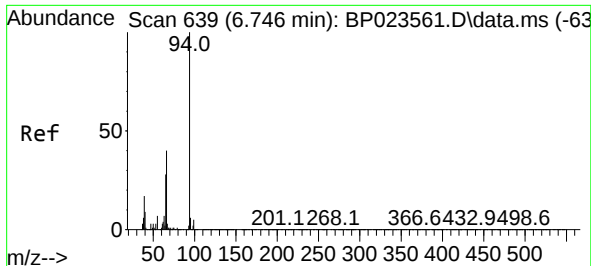
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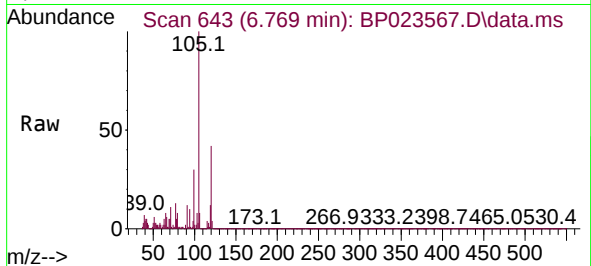
Quant Time: Dec 24 04:21:24 2024
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Quant Title : SVOA CALIBRATION
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#8
Phenol
Concen: 3.801 ng/ul
RT: 6.769 min Scan# 643
Delta R.T. 0.023 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

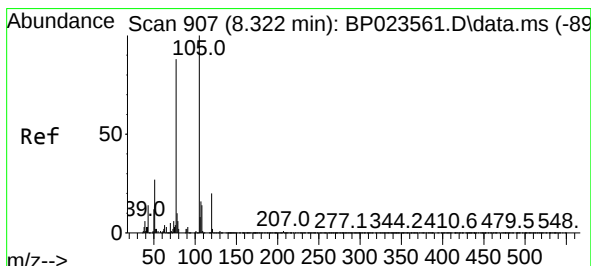
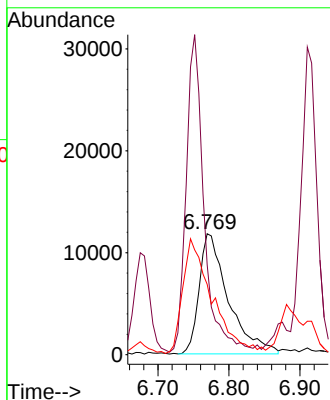
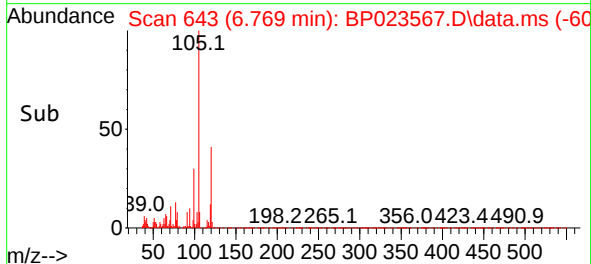
Instrument :
BNA_P
ClientSampleId :
E2913



Tgt Ion: 94 Resp: 33750
Ion Ratio Lower Upper
94 100
65 74.5 28.0 42.0
66 58.3 42.0 63.0

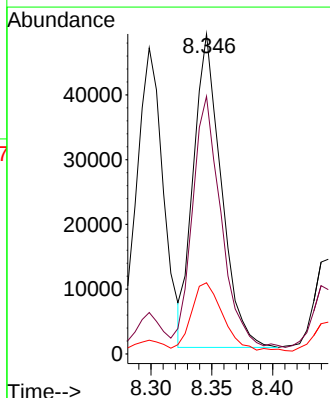
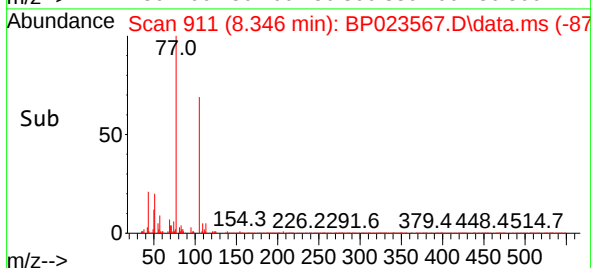
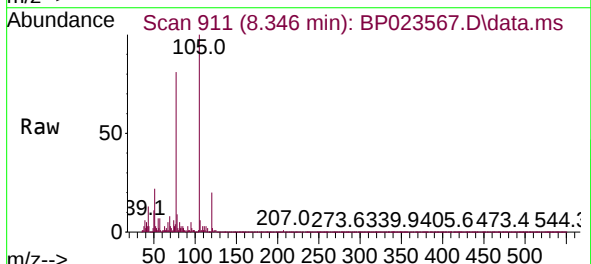
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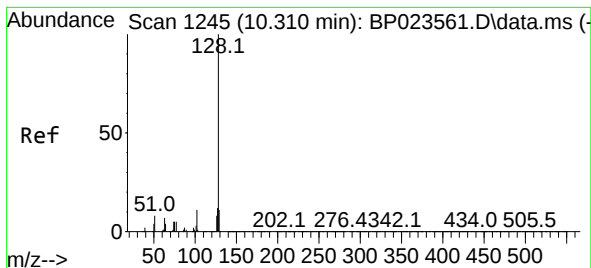
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/30/2024



#16
Acetophenone
Concen: 6.632 ng/ul
RT: 8.346 min Scan# 911
Delta R.T. 0.023 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

Tgt Ion:105 Resp: 76840
Ion Ratio Lower Upper
105 100
77 80.5 71.2 106.8
51 22.3 22.9 34.3





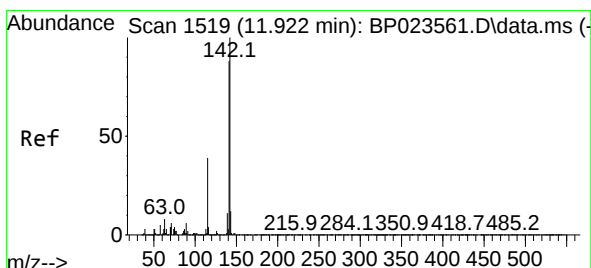
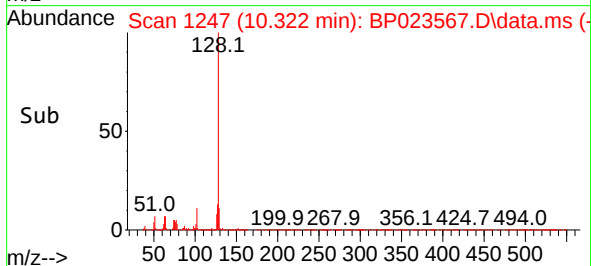
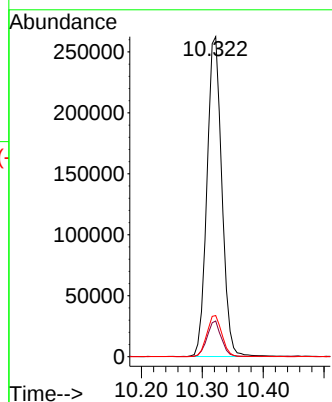
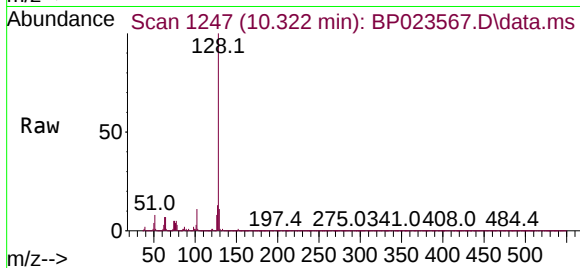
#30
Naphthalene
Concen: 21.843 ng/ul
RT: 10.322 min Scan# 1521
Delta R.T. 0.012 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

Instrument :
BNA_P
ClientSampleId :
E2913

Tgt Ion:128 Resp: 445150
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.8 10.5 15.7

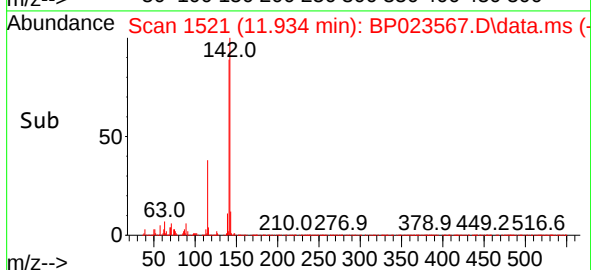
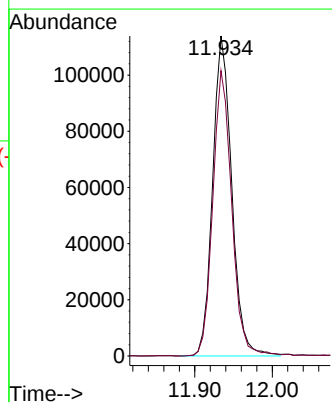
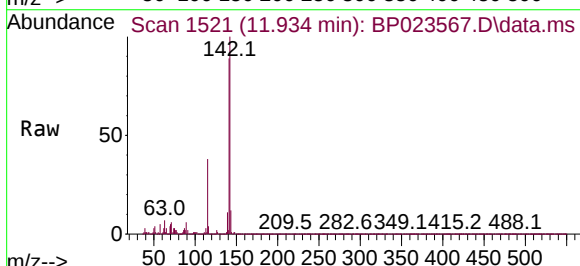
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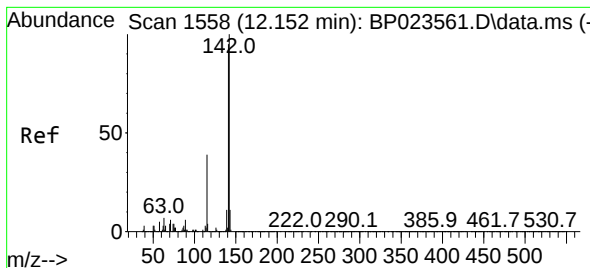
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/30/2024



#36
2-Methylnaphthalene
Concen: 12.875 ng/ul
RT: 11.934 min Scan# 1521
Delta R.T. 0.012 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

Tgt Ion:142 Resp: 194568
Ion Ratio Lower Upper
142 100
141 89.1 69.0 103.6





#37

1-Methylnaphthalene

Concen: 9.587 ng/ul

RT: 12.157 min Scan# 1558

Delta R.T. 0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

Instrument :

BNA_P

ClientSampleId :

E2913

Tgt Ion:142 Resp: 147638

Ion Ratio Lower Upper

142 100

141 92.0 71.1 106.7

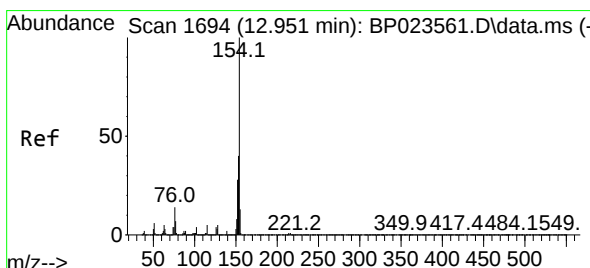
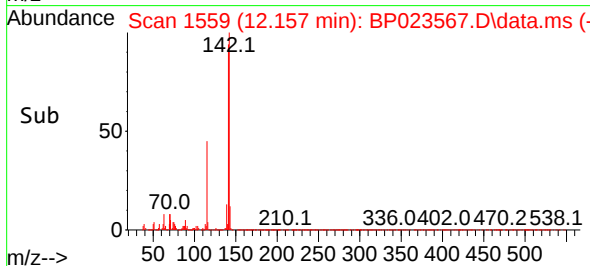
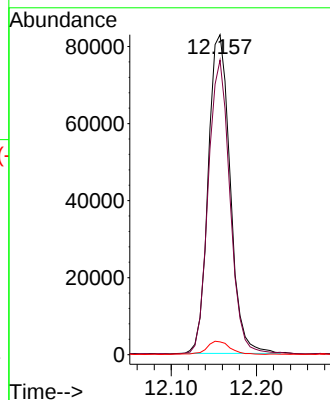
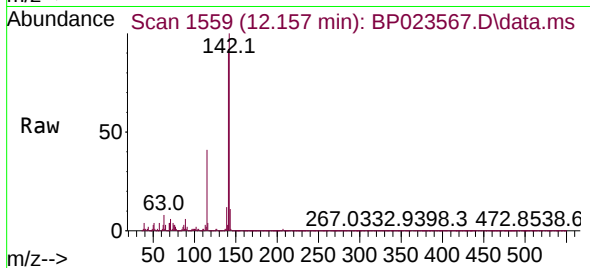
116 4.0 4.0 6.0

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 4.535 ng/ul

RT: 12.957 min Scan# 1695

Delta R.T. 0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

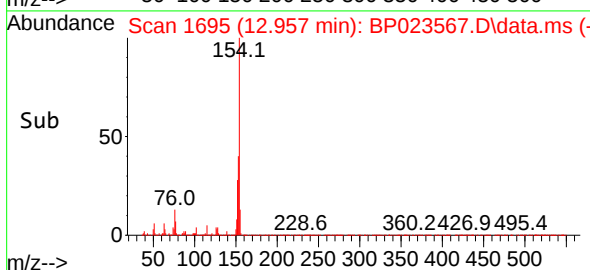
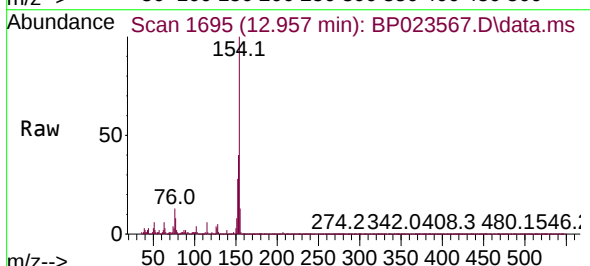
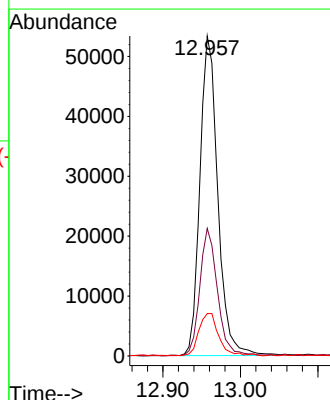
Tgt Ion:154 Resp: 85589

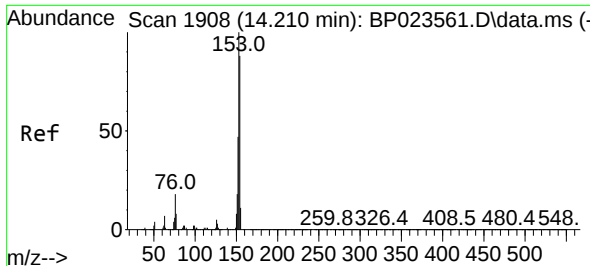
Ion Ratio Lower Upper

154 100

153 39.9 32.8 49.2

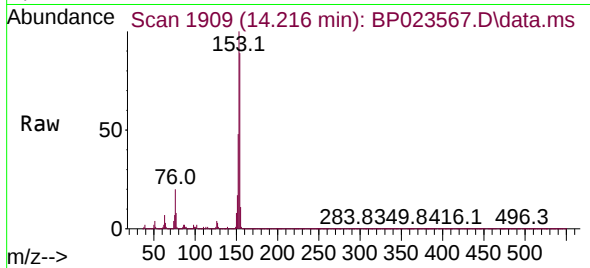
76 13.2 10.0 15.0





#52
Acenaphthene
Concen: 48.558 ng/ul
RT: 14.216 min Scan# 1908
Delta R.T. 0.006 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

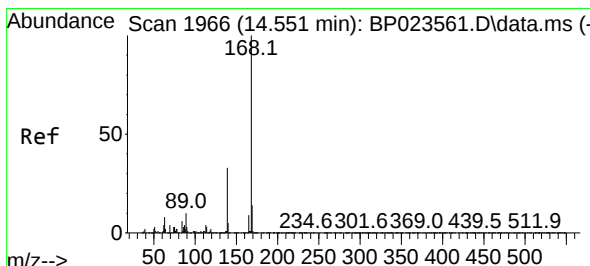
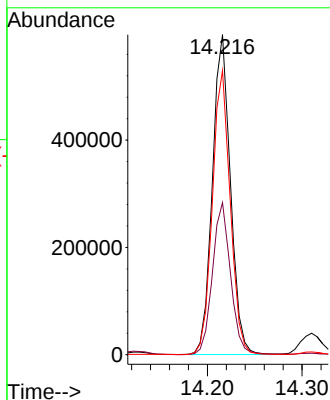
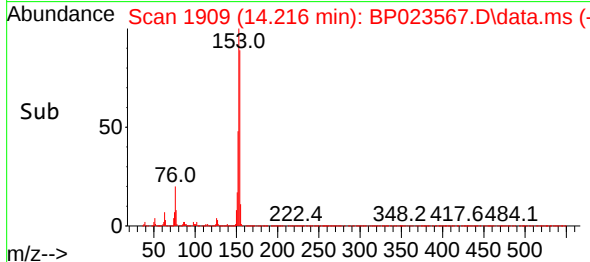
Instrument :
BNA_P
ClientSampleId :
E2913



Tgt Ion:153 Resp: 788388
Ion Ratio Lower Upper
153 100
152 47.6 39.0 58.6
154 88.8 71.0 106.4

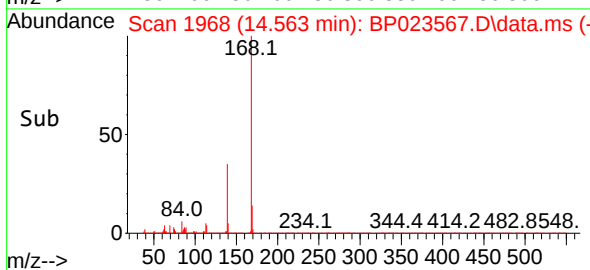
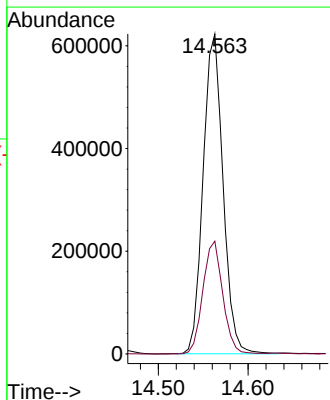
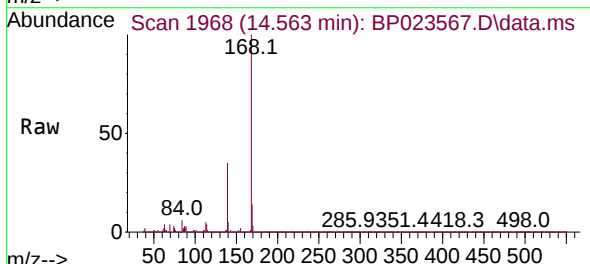
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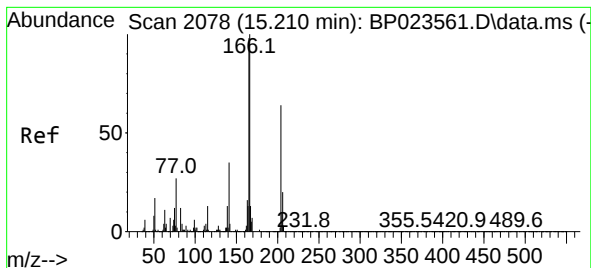
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/30/2024



#56
Dibenzofuran
Concen: 38.892 ng/ul
RT: 14.563 min Scan# 1968
Delta R.T. 0.012 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

Tgt Ion:168 Resp: 958978
Ion Ratio Lower Upper
168 100
139 35.3 31.0 46.4





#61

Fluorene

Concen: 34.425 ng/ul

RT: 15.228 min Scan# 2078

Delta R.T. 0.017 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

Instrument :

BNA_P

ClientSampleId :

E2913

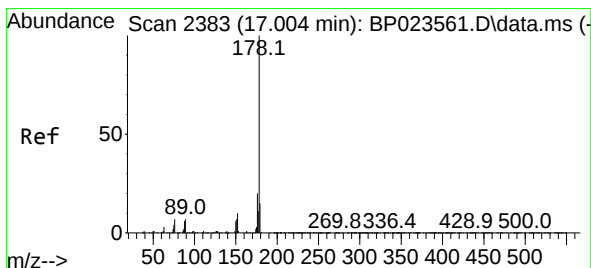
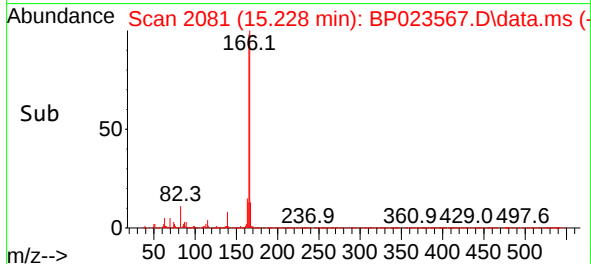
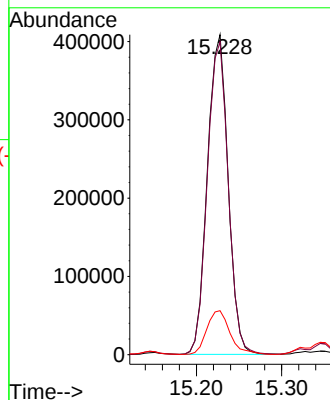
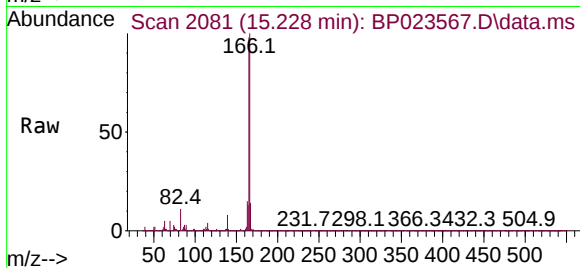
Tgt Ion:	166	Resp:	69115
Ion Ratio	Lower	Upper	
166	100		
165	97.7	78.5	117.7
167	13.7	11.1	16.7

Manual Integrations

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#72

Phenanthrene

Concen: 377.646 ng/ul

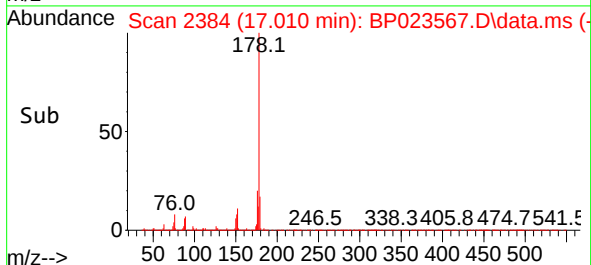
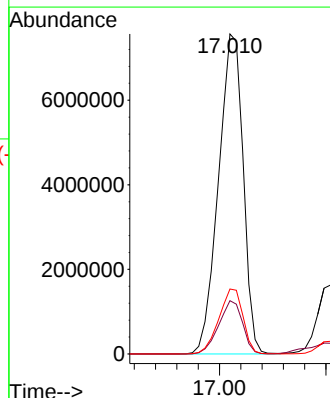
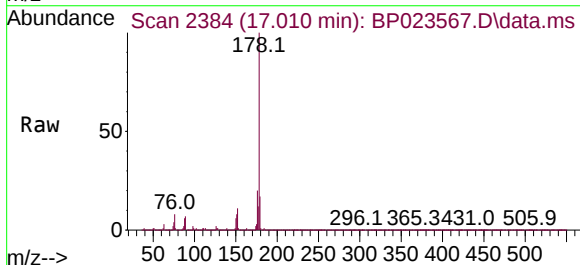
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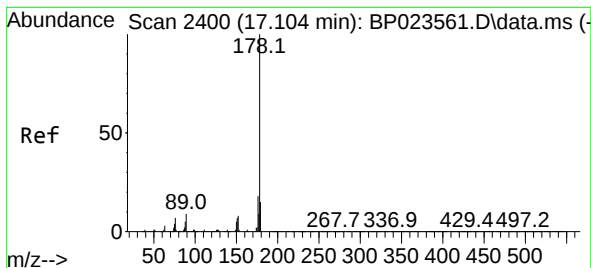
Delta R.T. 0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

Tgt Ion:	178	Resp:	12155624
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.1	18.1
176	20.3	15.4	23.0





#74

Anthracene

Concen: 71.710 ng/ul

RT: 17.104 min Scan# 2400

Delta R.T. -0.000 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

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ClientSampleId :

E2913

Tgt Ion:178 Resp: 2307974

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

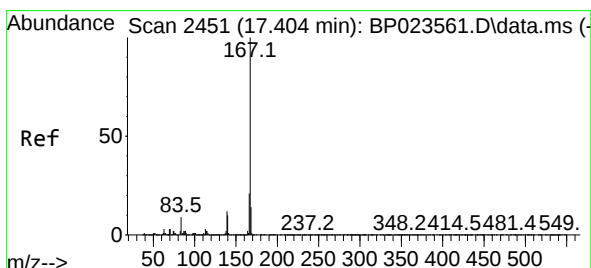
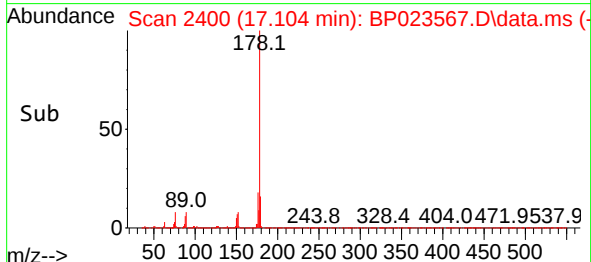
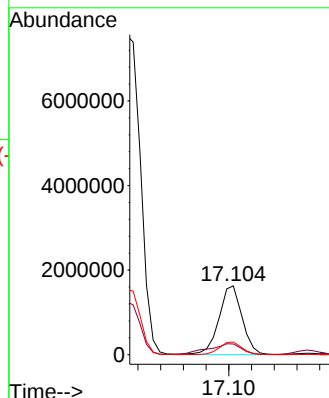
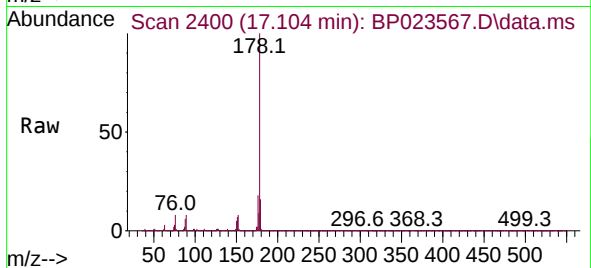
176 18.5 14.7 22.1

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Supervised By :mohammad ahmed 12/30/2024



#77

Carbazole

Concen: 56.857 ng/ul

RT: 17.392 min Scan# 2449

Delta R.T. -0.012 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

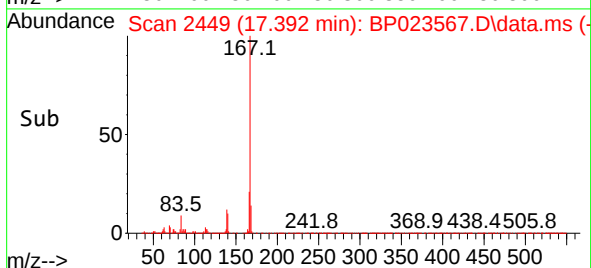
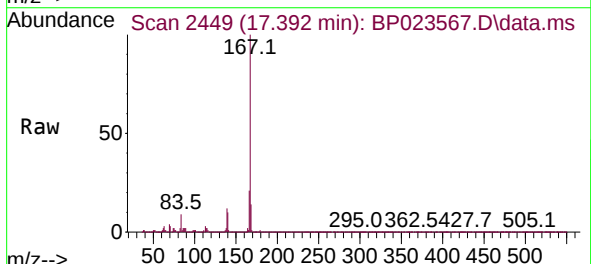
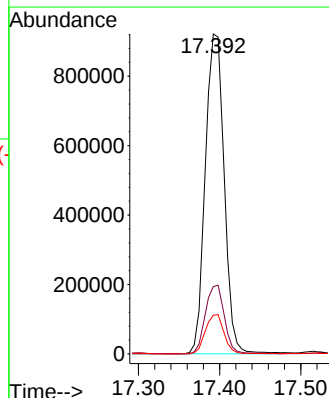
Tgt Ion:167 Resp: 1490862

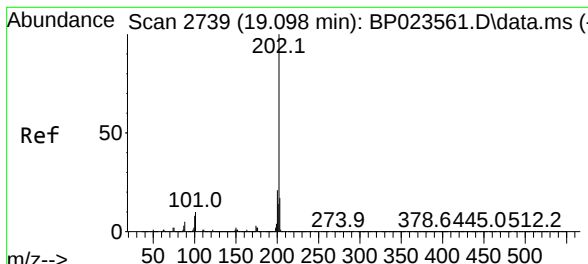
Ion Ratio Lower Upper

167 100

166 21.0 17.3 25.9

139 12.1 10.3 15.5





#80
 Fluoranthene
 Concen: 304.725 ng/u1
 RT: 19.104 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP023567.D
 Acq: 23 Dec 2024 17:43

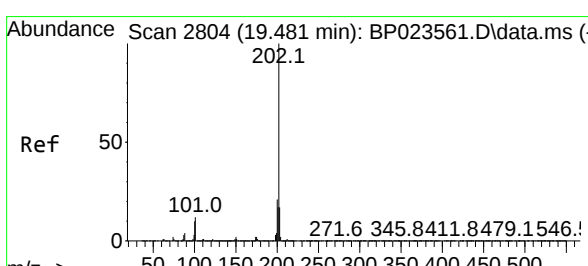
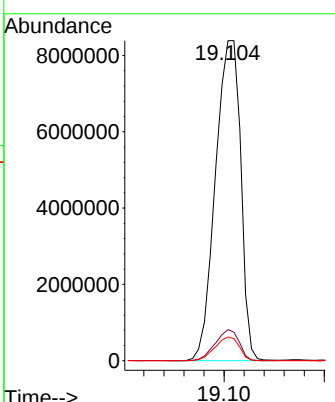
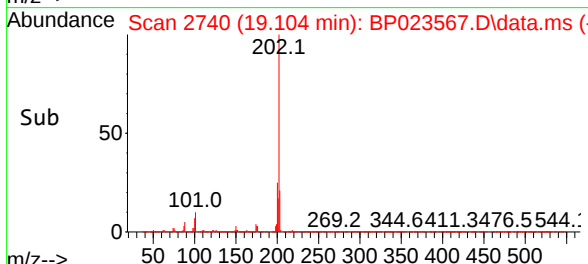
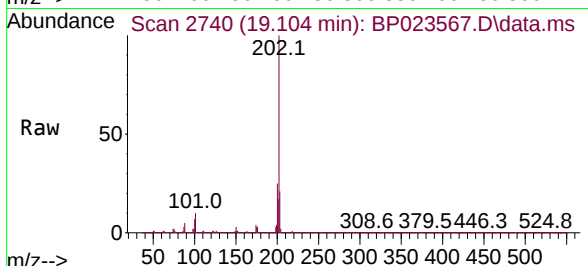
Instrument :
 BNA_P
 ClientSampleId :
 E2913

Tgt Ion:202 Resp:1467675

Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.6	8.4
100	7.4	4.6	7.0

Manual Integrations
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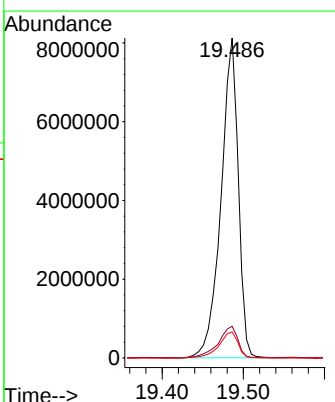
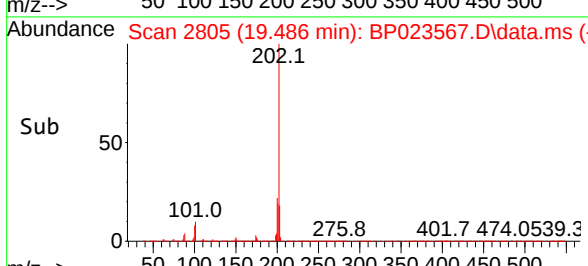
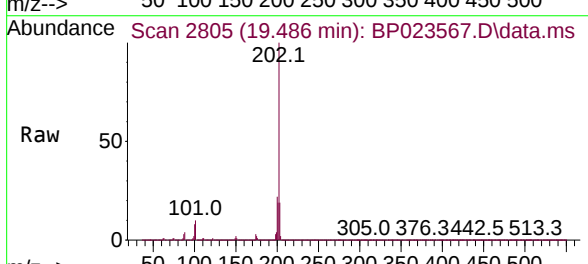
Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/30/2024

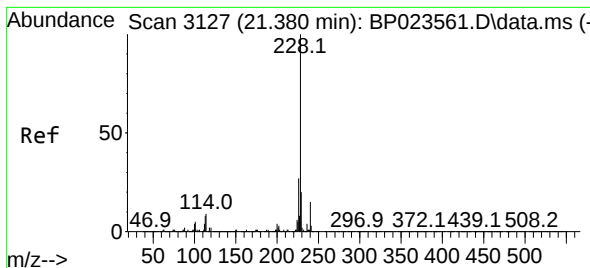


#82
 Pyrene
 Concen: 234.603 ng/u1
 RT: 19.486 min Scan# 2805
 Delta R.T. 0.006 min
 Lab File: BP023567.D
 Acq: 23 Dec 2024 17:43

Tgt Ion:202 Resp:11990376

Ion	Ratio	Lower	Upper
202	100		
101	9.9	6.7	10.1
100	8.2	5.8	8.8





#85

Benzo(a)anthracene

Concen: 134.377 ng/uI

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

Instrument :

BNA_P

ClientSampleId :

E2913

Tgt Ion:228 Resp: 7249529

Ion Ratio Lower Upper

228 100

229 20.4 15.7 23.5

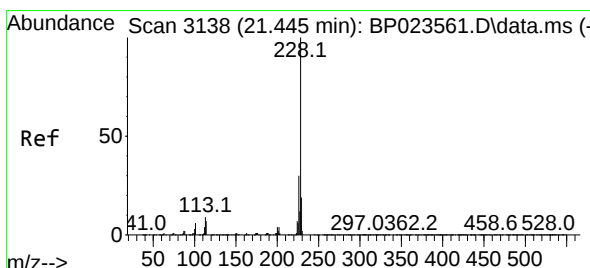
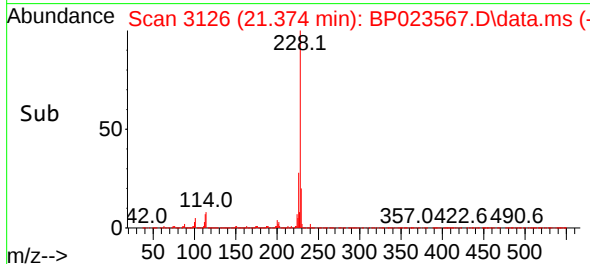
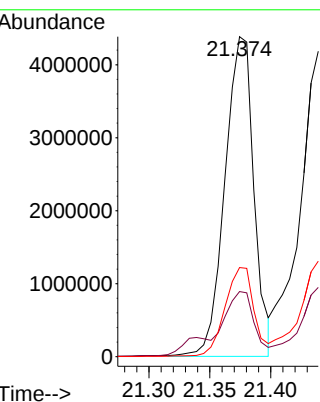
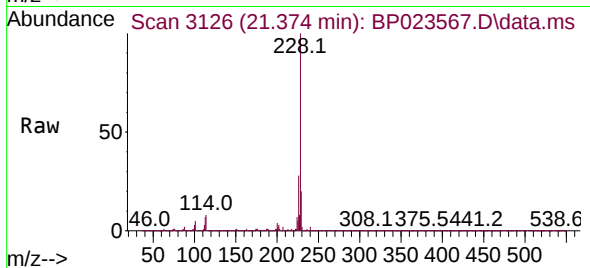
226 27.9 21.6 32.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/30/2024



#87

Chrysene

Concen: 127.013 ng/uI

RT: 21.439 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

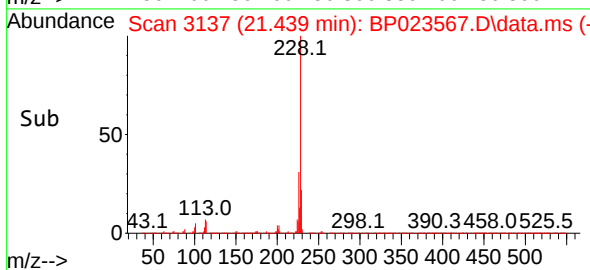
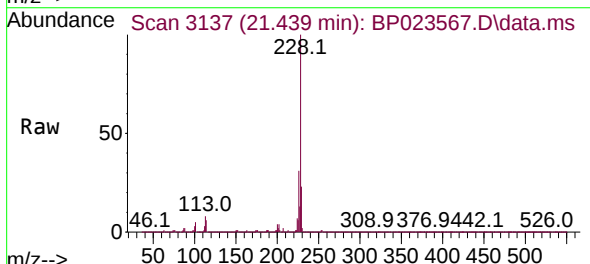
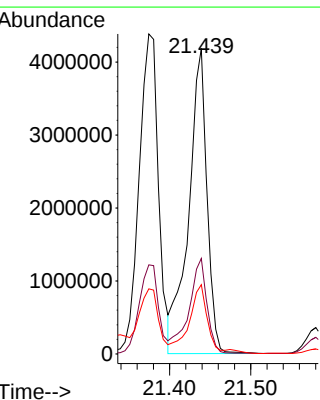
Tgt Ion:228 Resp: 6566511

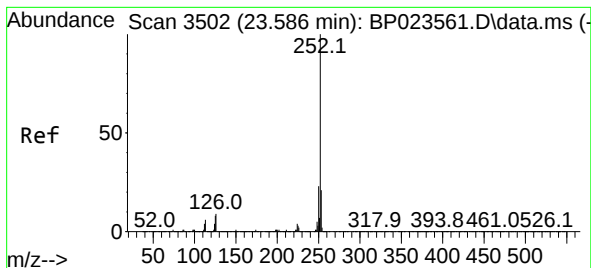
Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 22.7 15.6 23.4





#90

Benzo(b)fluoranthene

Concen: 138.951 ng/ul

RT: 23.592 min Scan# 3503

Delta R.T. 0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

Instrument :

BNA_P

ClientSampleId :

E2913

Tgt Ion:252 Resp: 8662870

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

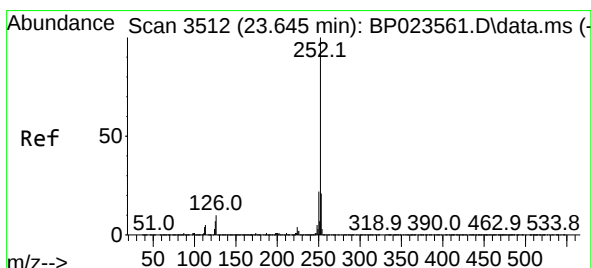
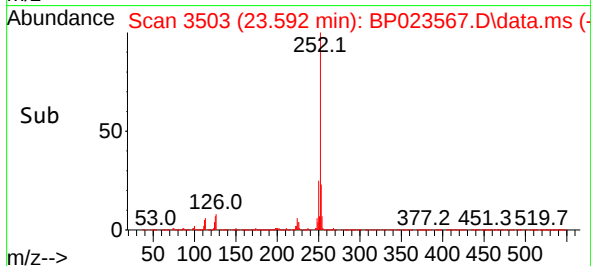
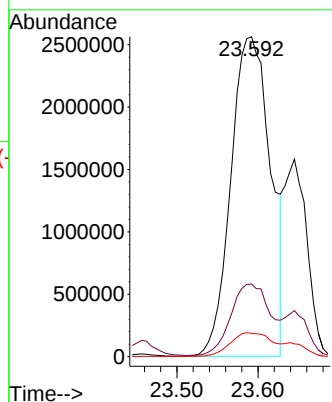
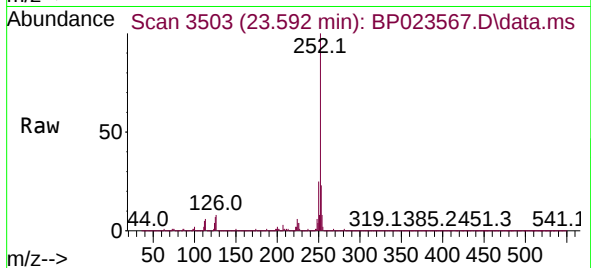
125 7.3 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/30/2024



#91

Benzo(k)fluoranthene

Concen: 48.699 ng/ul m

RT: 23.645 min Scan# 3512

Delta R.T. -0.000 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

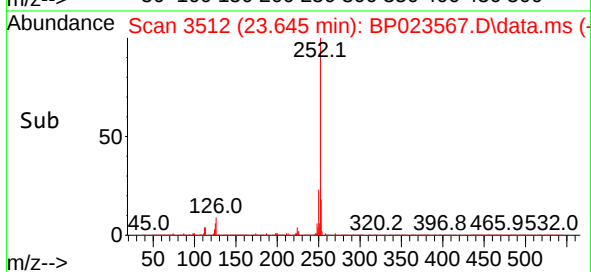
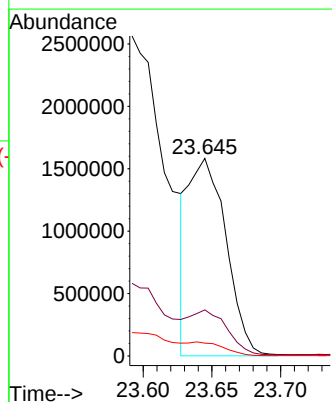
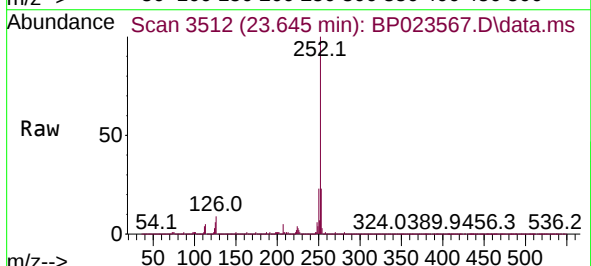
Tgt Ion:252 Resp: 3020860

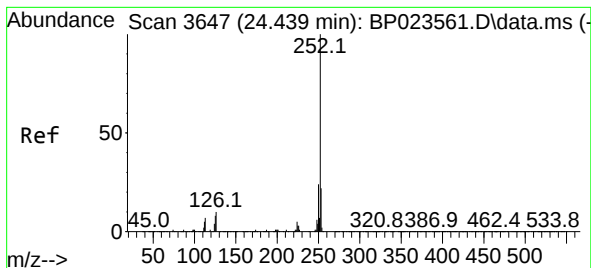
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 6.5 4.3 6.5





#93

Benzo(a)pyrene

Concen: 99.267 ng/ul

RT: 24.445 min Scan# 30

Delta R.T. 0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

Instrument :

BNA_P

ClientSampleId :

E2913

Tgt Ion:252 Resp: 561134

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

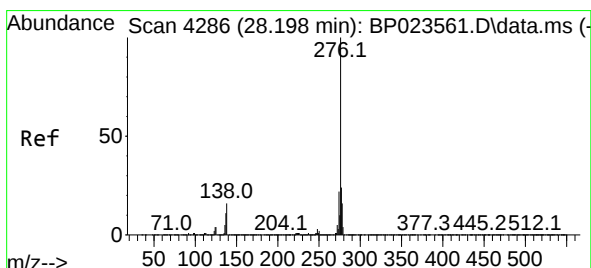
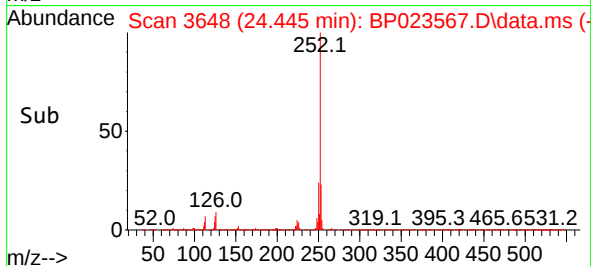
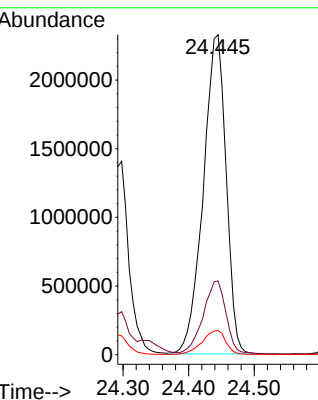
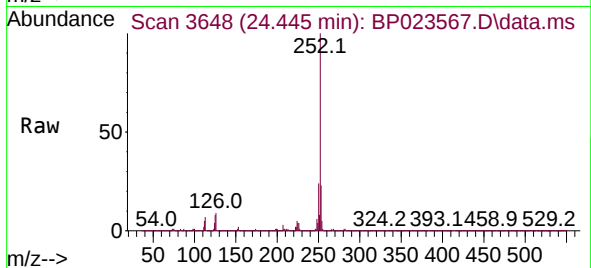
125 7.6 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/30/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 54.023 ng/ul

RT: 28.192 min Scan# 4285

Delta R.T. -0.006 min

Lab File: BP023567.D

Acq: 23 Dec 2024 17:43

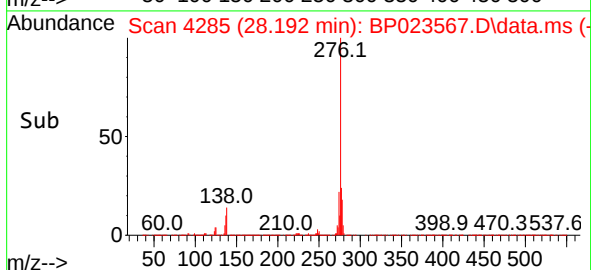
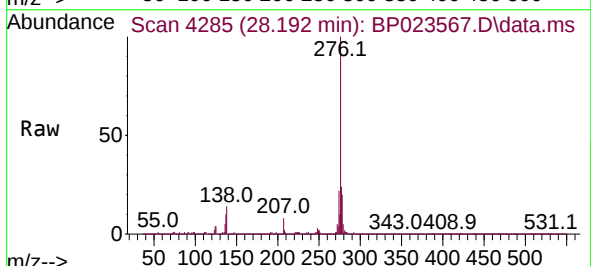
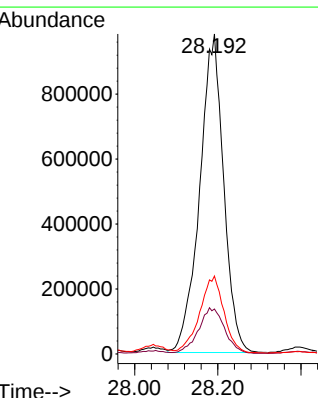
Tgt Ion:276 Resp: 3924407

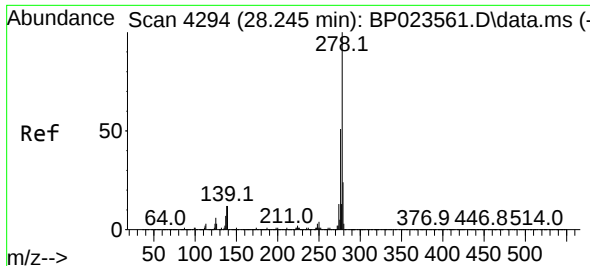
Ion Ratio Lower Upper

276 100

138 14.1 7.8 11.6

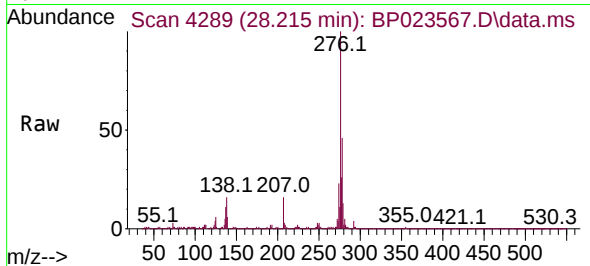
277 24.3 19.8 29.8





#95
Dibenzo(a,h)anthracene
Concen: 19.378 ng/ul
RT: 28.215 min Scan# 4289
Delta R.T. -0.030 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

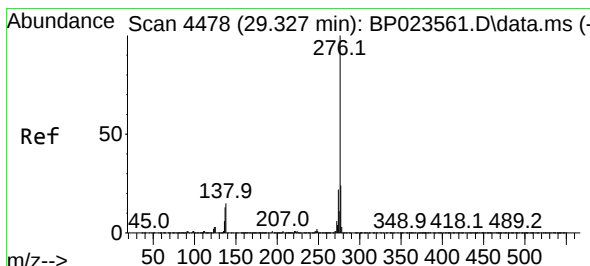
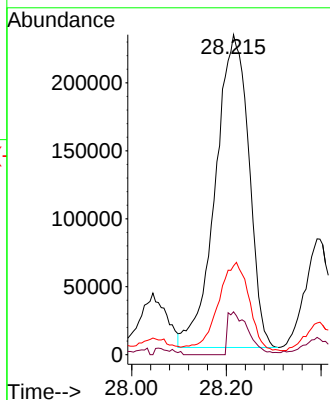
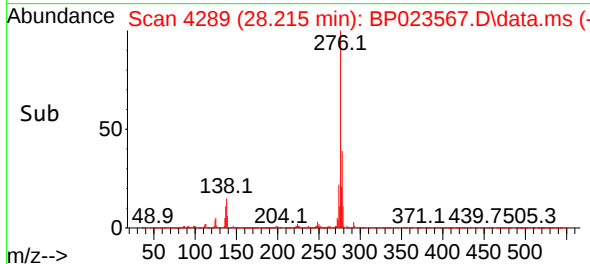
Instrument :
BNA_P
ClientSampleId :
E2913



Tgt Ion:278 Resp: 1126514
Ion Ratio Lower Upper
278 100
139 13.4 6.0 9.0
279 27.8 19.2 28.8

Manual Integrations
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Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/30/2024



#96
Benzo(g,h,i)perylene
Concen: 61.703 ng/ul
RT: 29.321 min Scan# 4477
Delta R.T. -0.006 min
Lab File: BP023567.D
Acq: 23 Dec 2024 17:43

Tgt Ion:276 Resp: 3431841
Ion Ratio Lower Upper
276 100
138 14.8 8.5 12.7#
277 24.2 18.9 28.3

