

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100924\
 Data File : BP022294.D
 Acq On : 09 Oct 2024 17:43
 Operator : RC/JU
 Sample : P4162-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4EJ5

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 01:15:06 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	170952	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	626295	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.316	164	430265	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	909901	20.000	ng/u1	0.00
79) Chrysene-d12	21.551	240	871024	20.000	ng/u1	0.01
88) Perylene-d12	24.833	264	1062920	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	6715	1.526	ng/uL	0.00
4) Pyridine-d5	3.658	84	5511	0.456	ng/u1	0.02
7) Phenol-d5	6.893	99	147422	10.245	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	88756	10.494	ng/u1	0.00
11) 2-Chlorophenol-d4	7.252	132	115794	11.340	ng/u1	0.00
15) 4-Methylphenol-d8	8.404	113	99785	8.689	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	55843	11.596	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	67801	12.161	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	135716	11.453	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	9622	0.687	ng/u1	0.01
46) Dimethylphthalate-d6	13.716	166	415242	12.147	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	442328	12.182	ng/u1	0.00
54) 4-Nitrophenol-d4	14.545	143	48460	8.450	ng/u1	0.02
60) Fluorene-d10	15.328	176	355483	11.989	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.451	200	39009	6.519	ng/u1	0.00
73) Anthracene-d10	17.222	188	534786	12.494	ng/u1	0.00
81) Pyrene-d10	19.592	212	510874	11.091	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.615	264	393079	6.925	ng/u1	0.02
Target Compounds					Qvalue	
16) Acetophenone	8.516	105	24789m	1.307	ng/u1	
30) Naphthalene	10.516	128	47265	1.417	ng/u1	98
50) Acenaphthylene	14.034	152	81410	2.160	ng/u1	98
52) Acenaphthene	14.381	153	54377	2.041	ng/u1	95
56) Dibenzofuran	14.716	168	43258	1.081	ng/u1	98
61) Fluorene	15.381	166	71866	2.204	ng/u1	99
72) Phenanthrene	17.157	178	1396943	28.696	ng/u1	100
74) Anthracene	17.257	178	292012	6.011	ng/u1	99
77) Carbazole	17.528	167	108735	2.530	ng/u1	99
80) Fluoranthene	19.245	202	2918614	55.117	ng/u1	99
82) Pyrene	19.622	202	2009427	35.405	ng/u1	99
83) Butylbenzylphthalate	20.574	149	44486	2.251	ng/u1	92
85) Benzo(a)anthracene	21.527	228	1337436	21.903	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.463	149	310557	10.949	ng/u1	100
87) Chrysene	21.598	228	1565389	27.648	ng/u1	98
90) Benzo(b)fluoranthene	23.810	252	2385171	35.649	ng/u1	99
91) Benzo(k)fluoranthene	23.862	252	691499	10.556	ng/u1	96
93) Benzo(a)pyrene	24.680	252	665362	10.805	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.586	276	758621	9.232	ng/u1	98
95) Dibenzo(a,h)anthracene	28.639	278	294848	4.431	ng/u1#	92
96) Benzo(g,h,i)perylene	29.750	276	93523m	1.463	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

A4EJ5

Manual Integrations

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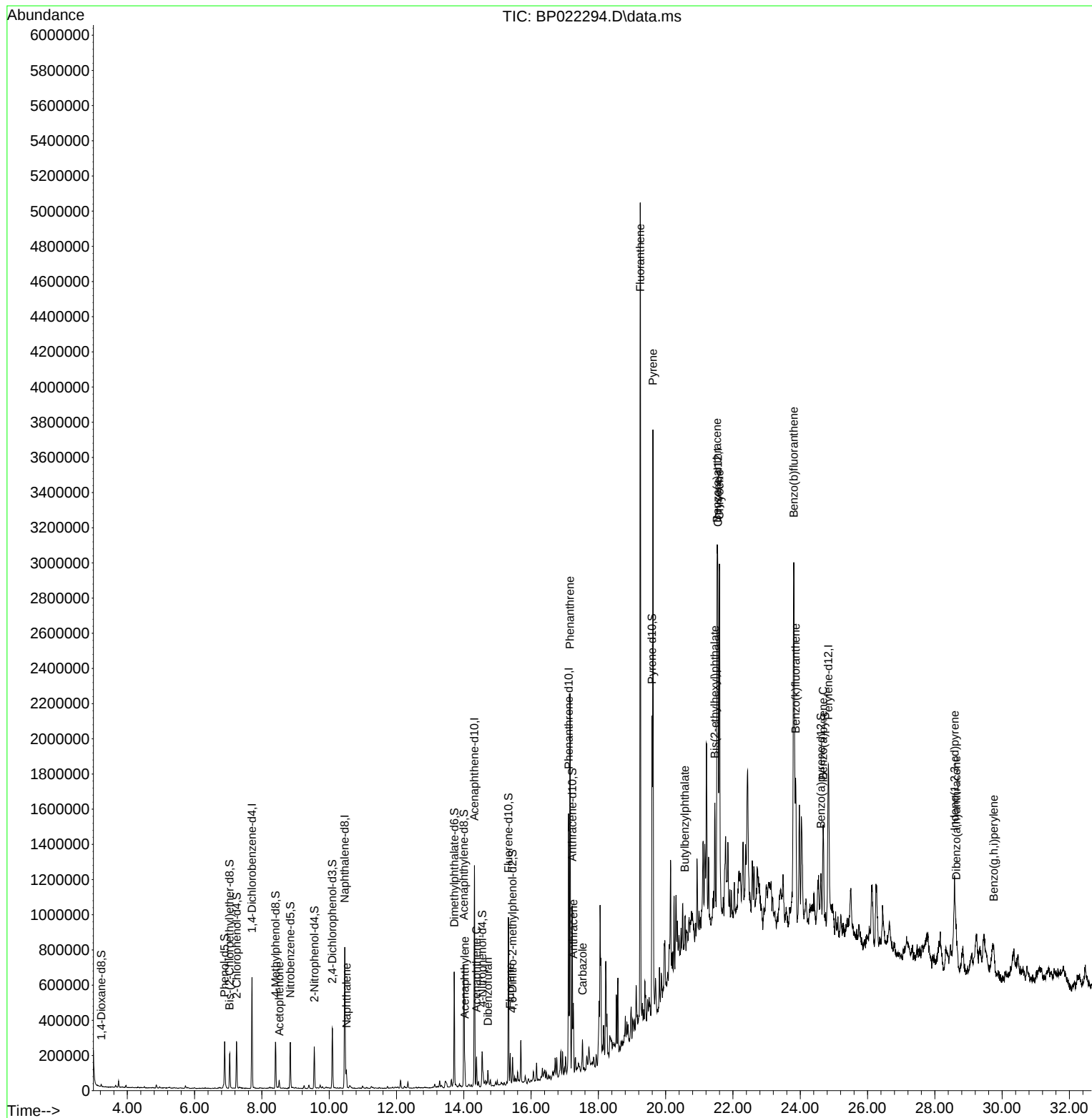
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100924\
Data File : BP022294.D
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ALS Vial : 12 Sample Multiplier: 1

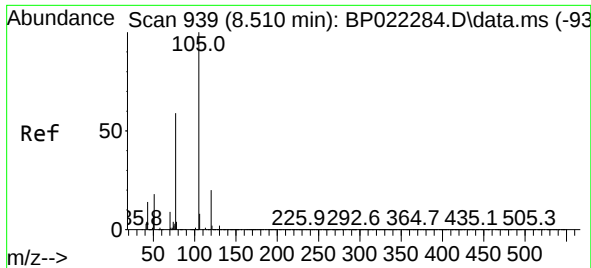
Instrument :
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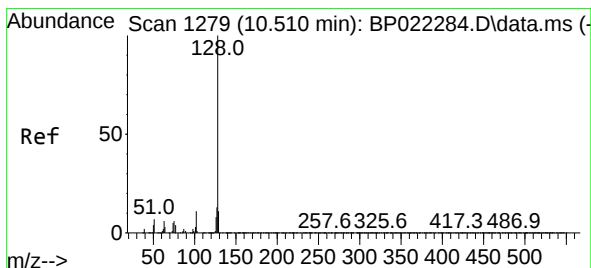
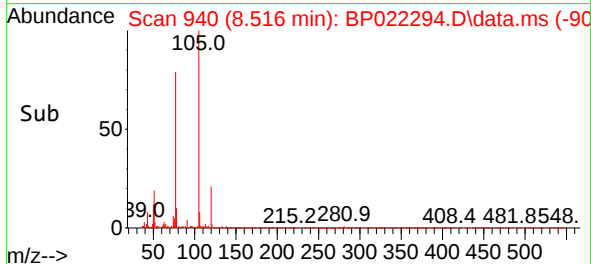
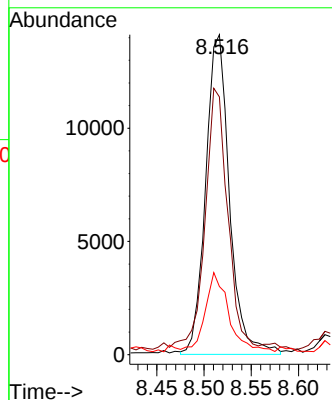
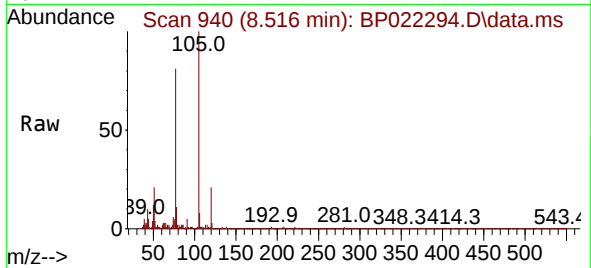
#16
Acetophenone
Concen: 1.307 ng/ul m
RT: 8.516 min Scan# 940
Delta R.T. 0.006 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

Instrument :
BNA_P
ClientSampleId :
A4EJ5

Tgt Ion:	105	Resp:	24789
Ion Ratio	Lower	Upper	
105	100		
77	80.5	69.0	103.4
51	21.3	22.6	33.8

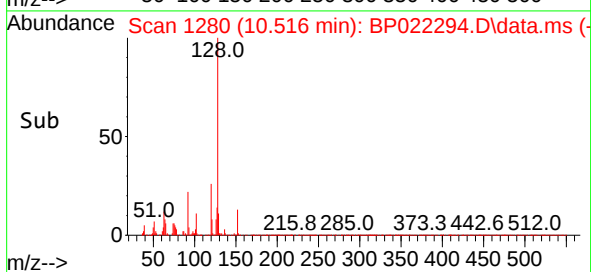
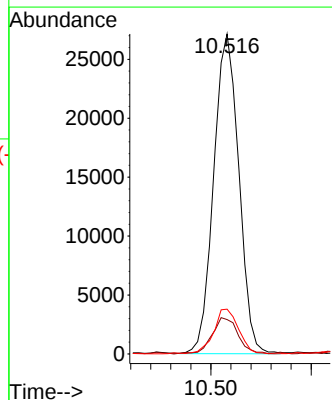
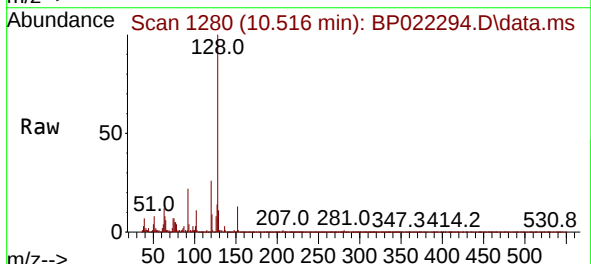
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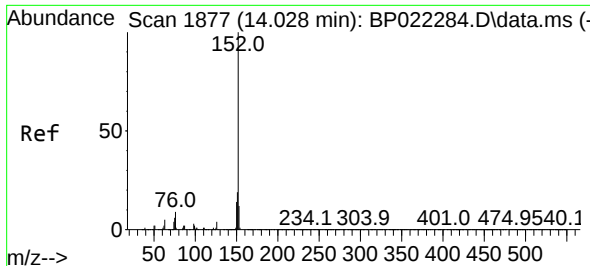
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#30
Naphthalene
Concen: 1.417 ng/ul
RT: 10.516 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

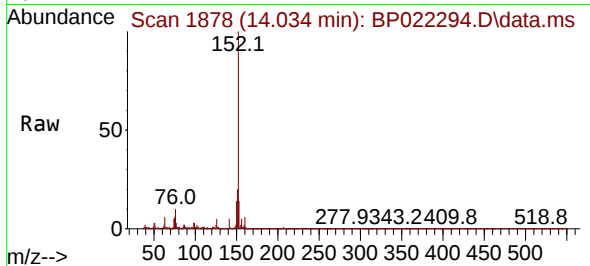
Tgt Ion:	128	Resp:	47265
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.6	12.8
127	14.0	9.9	14.9





#50
Acenaphthylene
Concen: 2.160 ng/ul
RT: 14.034 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

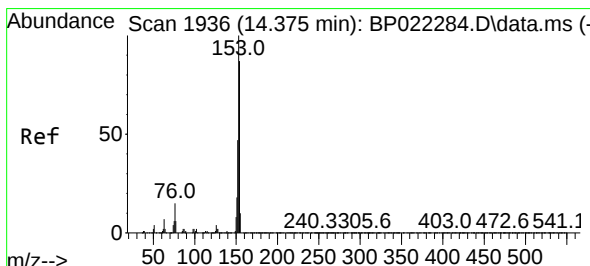
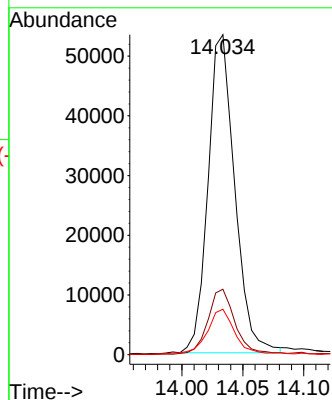
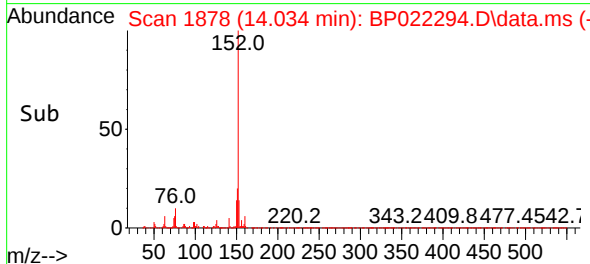
Instrument :
BNA_P
ClientSampleId :
A4EJ5



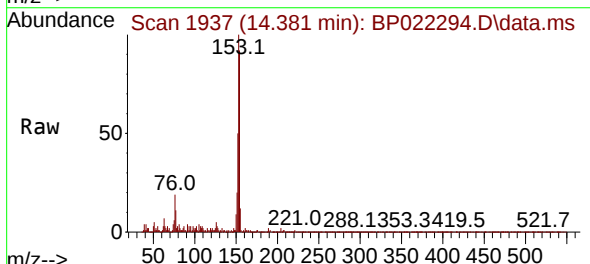
Tgt Ion:152 Resp: 81410
Ion Ratio Lower Upper
152 100
151 20.5 15.8 23.6
153 14.2 10.3 15.5

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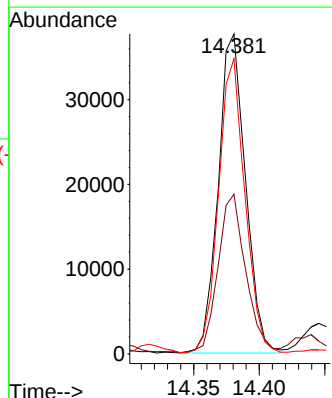
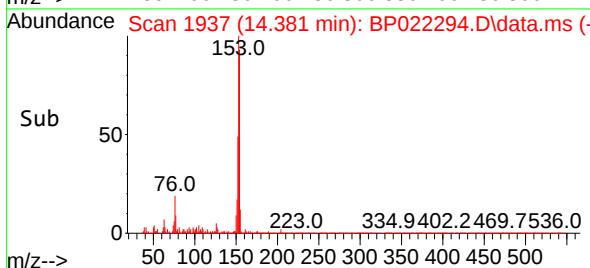
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

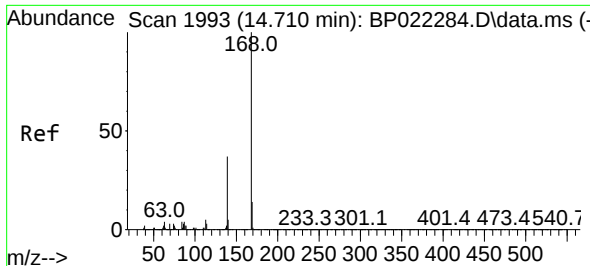


#52
Acenaphthene
Concen: 2.041 ng/ul
RT: 14.381 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43



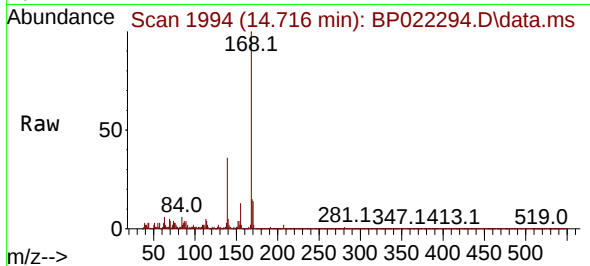
Tgt Ion:153 Resp: 54377
Ion Ratio Lower Upper
153 100
152 49.9 37.8 56.6
154 92.2 69.5 104.3





#56
Dibenzenofuran
Concen: 1.081 ng/ul
RT: 14.716 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

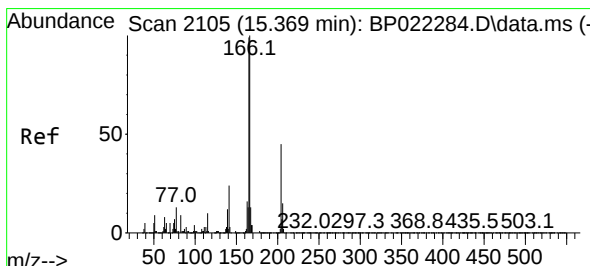
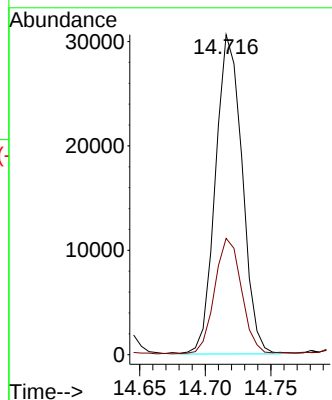
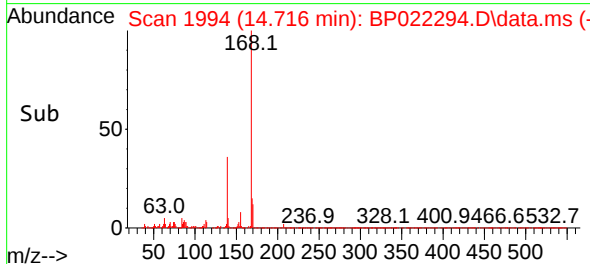
Instrument :
BNA_P
ClientSampleId :
A4EJ5



Tgt Ion:168 Resp: 43258
Ion Ratio Lower Upper
168 100
139 36.4 30.2 45.2

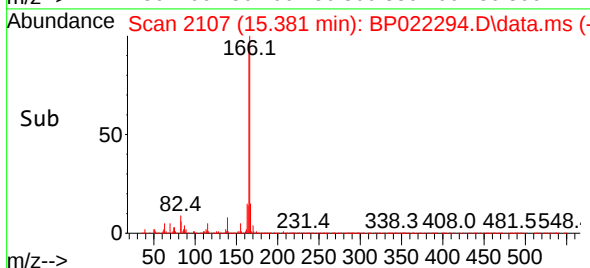
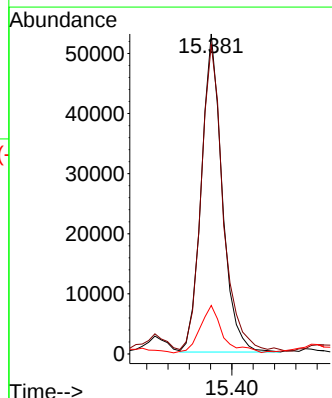
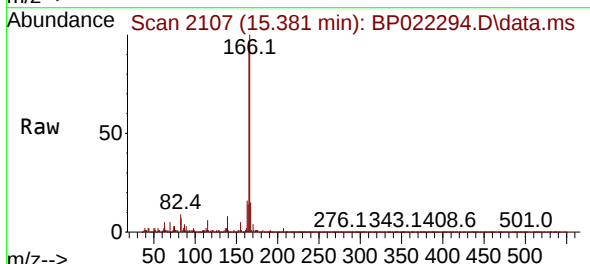
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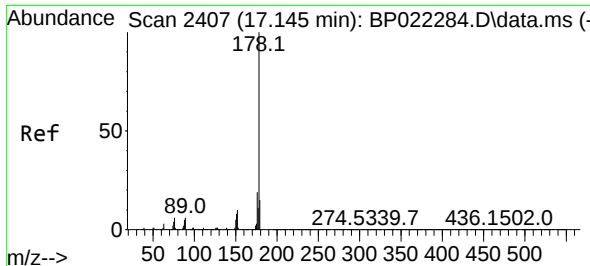
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#61
Fluorene
Concen: 2.204 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

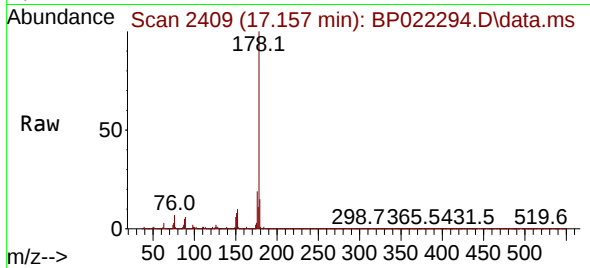
Tgt Ion:166 Resp: 71866
Ion Ratio Lower Upper
166 100
165 96.7 77.8 116.6
167 15.2 11.1 16.7





#72
Phenanthrene
Concen: 28.696 ng/ul
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

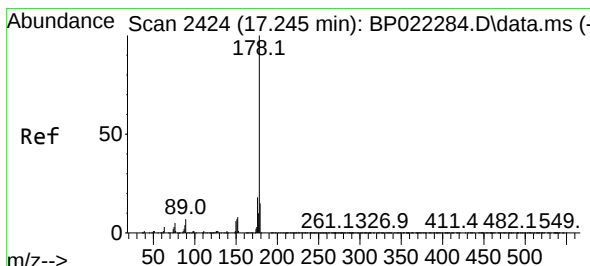
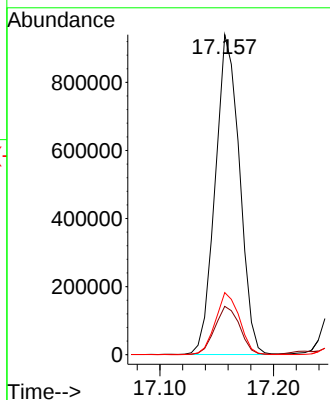
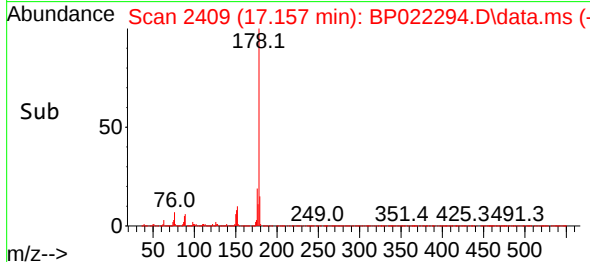
Instrument :
BNA_P
ClientSampleId :
A4EJ5



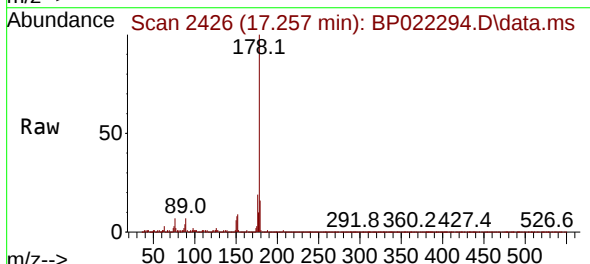
Tgt Ion:178 Resp: 139694
Ion Ratio Lower Upper
178 100
179 15.1 12.2 18.4
176 19.4 15.7 23.5

Manual Integrations
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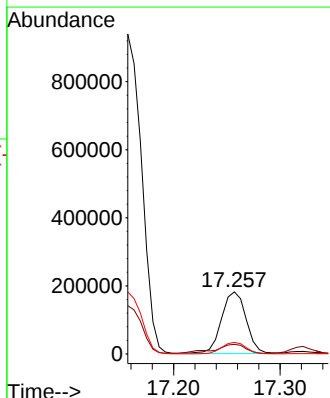
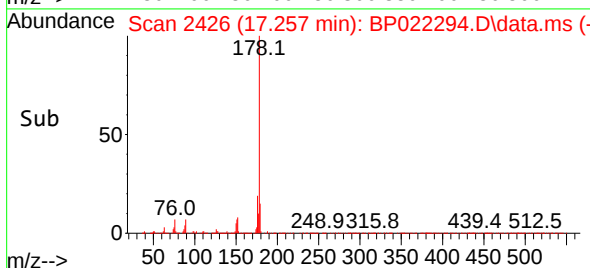
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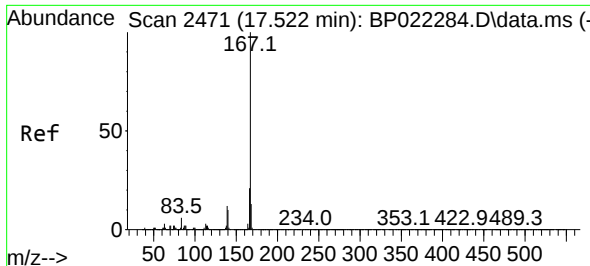


#74
Anthracene
Concen: 6.011 ng/ul
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43



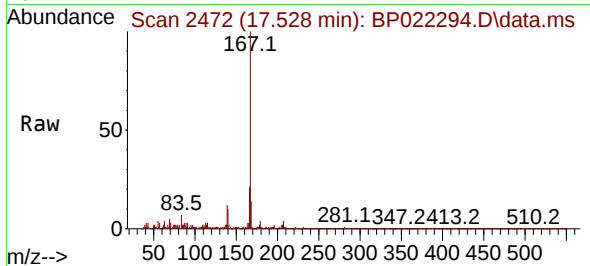
Tgt Ion:178 Resp: 292012
Ion Ratio Lower Upper
178 100
179 15.5 12.0 18.0
176 18.6 15.0 22.4





#77
 Carbazole
 Concen: 2.530 ng/ul
 RT: 17.528 min Scan# 2471
 Delta R.T. -0.012 min
 Lab File: BP022294.D
 Acq: 09 Oct 2024 17:43

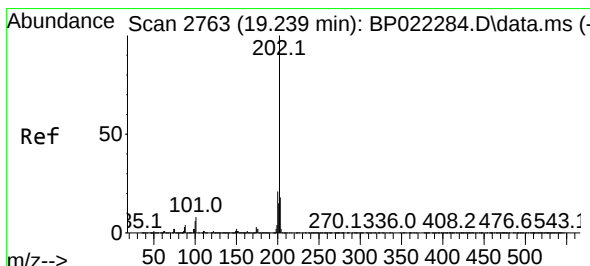
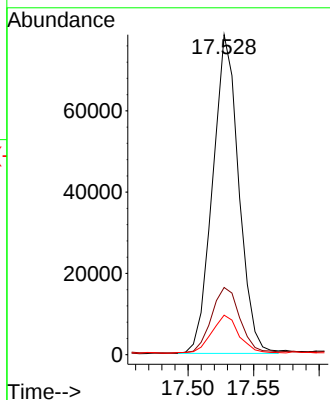
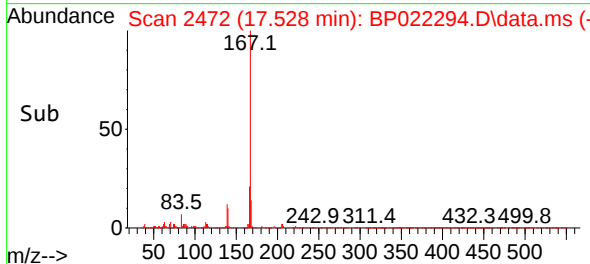
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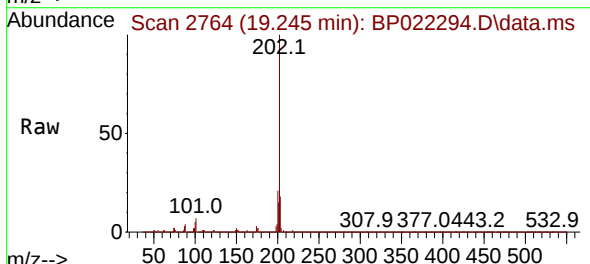
Tgt Ion:167 Resp: 108735
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.6
 139 12.4 10.3 15.5

Manual Integrations
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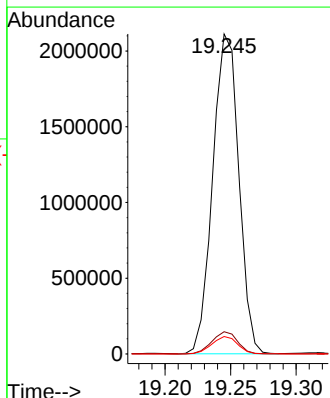
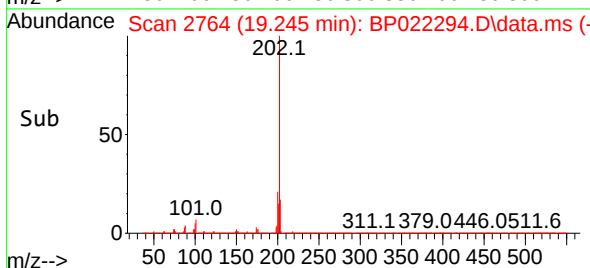
Reviewed By :Yogesh Patel 10/10/2024
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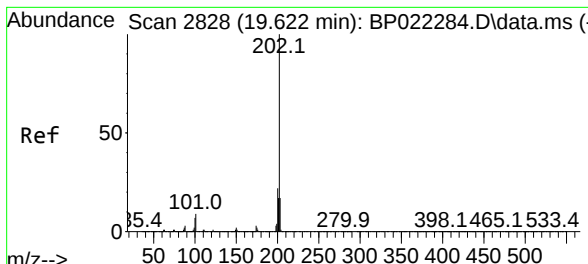


#80
 Fluoranthene
 Concen: 55.117 ng/ul
 RT: 19.245 min Scan# 2764
 Delta R.T. -0.000 min
 Lab File: BP022294.D
 Acq: 09 Oct 2024 17:43



Tgt Ion:202 Resp: 2918614
 Ion Ratio Lower Upper
 202 100
 101 7.0 5.8 8.8
 100 5.4 4.5 6.7





#82
 Pyrene
 Concen: 35.405 ng/ul
 RT: 19.622 min Scan# 2828
 Delta R.T. -0.000 min
 Lab File: BP022294.D
 Acq: 09 Oct 2024 17:43

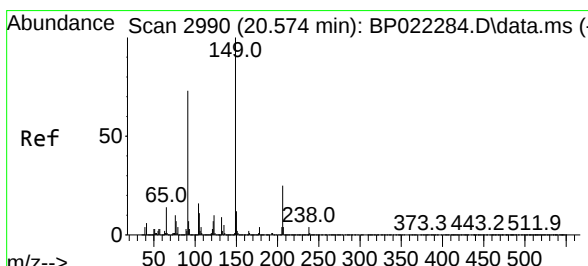
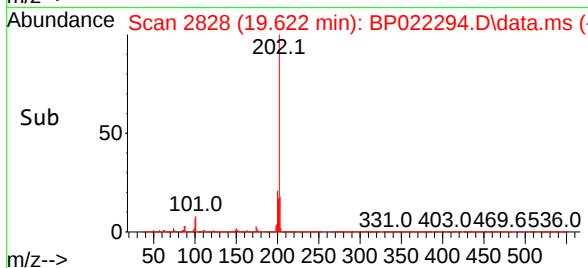
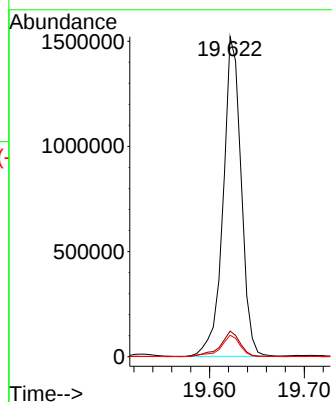
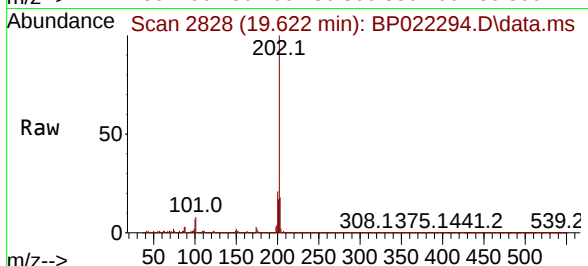
Instrument :
 BNA_P
 ClientSampleId :
 A4EJ5

Tgt Ion: 202 Resp: 200942

Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.7	10.1
100	6.7	5.8	8.6

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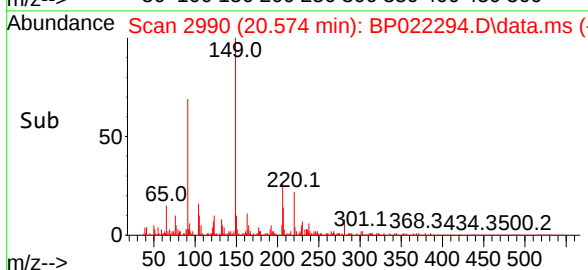
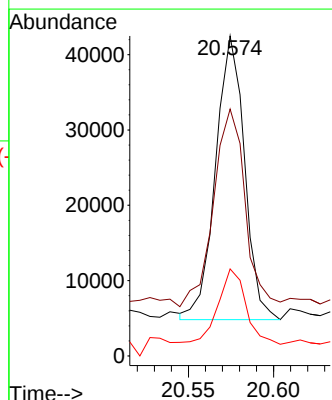
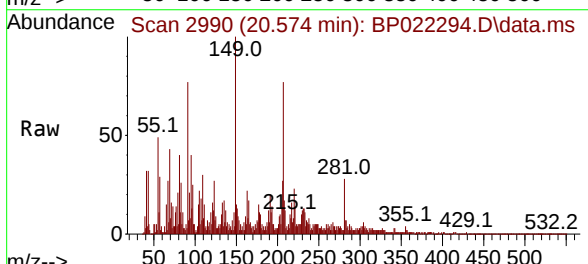
Reviewed By :Yogesh Patel 10/10/2024
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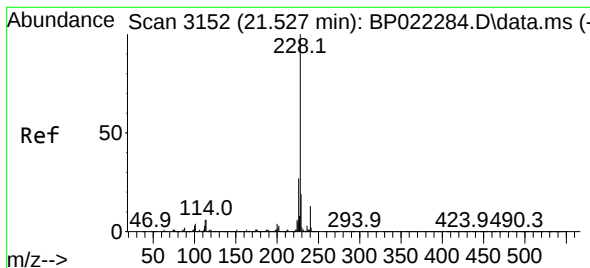


#83
 Butylbenzylphthalate
 Concen: 2.251 ng/ul
 RT: 20.574 min Scan# 2990
 Delta R.T. -0.000 min
 Lab File: BP022294.D
 Acq: 09 Oct 2024 17:43

Tgt Ion: 149 Resp: 44486

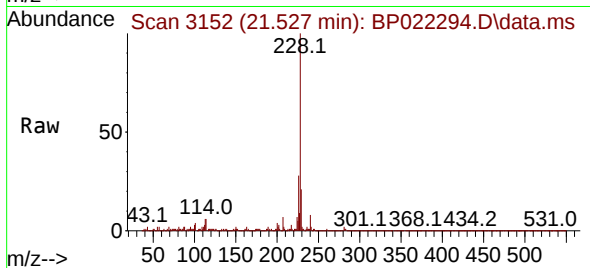
Ion	Ratio	Lower	Upper
149	100		
91	77.1	56.6	84.8
206	27.2	18.6	27.8





#85
Benzo(a)anthracene
Concen: 21.903 ng/ul
RT: 21.527 min Scan# 3152
Delta R.T. 0.006 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

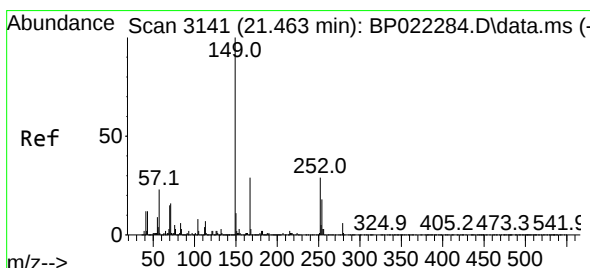
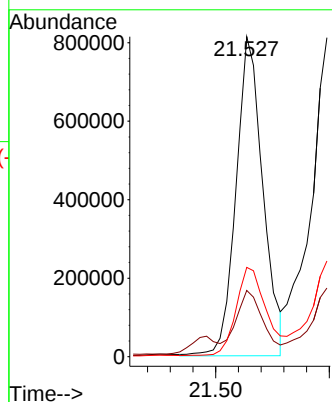
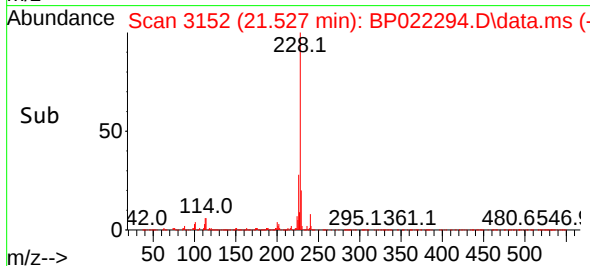
Instrument :
BNA_P
ClientSampleId :
A4EJ5



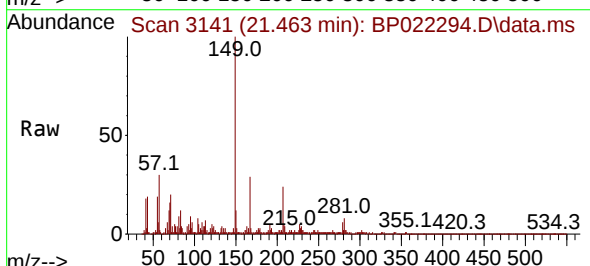
Tgt Ion:228 Resp: 1337430
Ion Ratio Lower Upper
228 100
229 20.7 15.4 23.0
226 27.9 21.5 32.3

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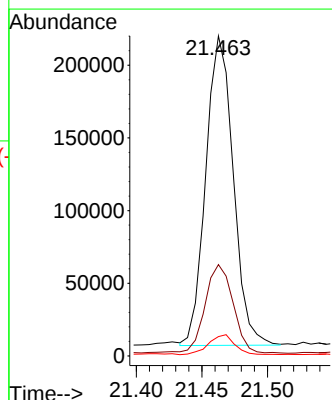
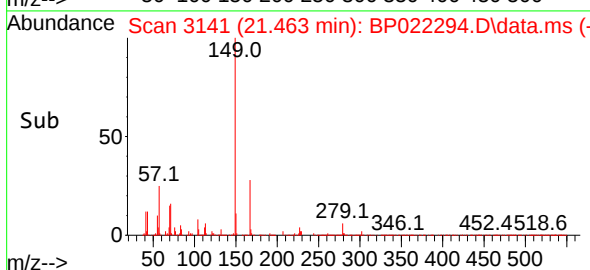
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

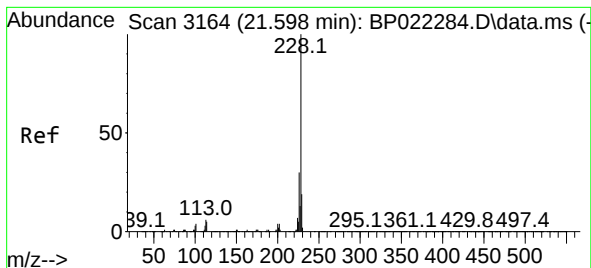


#86
Bis(2-ethylhexyl)phthalate
Concen: 10.949 ng/ul
RT: 21.463 min Scan# 3141
Delta R.T. -0.000 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43



Tgt Ion:149 Resp: 310557
Ion Ratio Lower Upper
149 100
167 28.5 23.0 34.4
279 6.0 4.8 7.2





#87

Chrysene

Concen: 27.648 ng/u1

RT: 21.598 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BP022294.D

Acq: 09 Oct 2024 17:43

Instrument :

BNA_P

ClientSampleId :

A4EJ5

Tgt Ion:228 Resp: 1565389

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

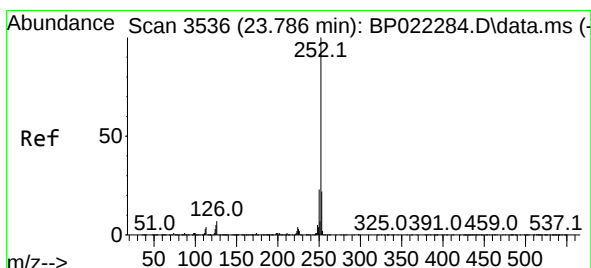
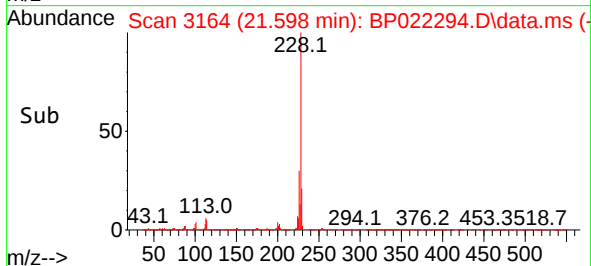
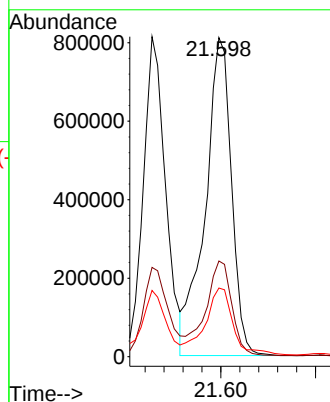
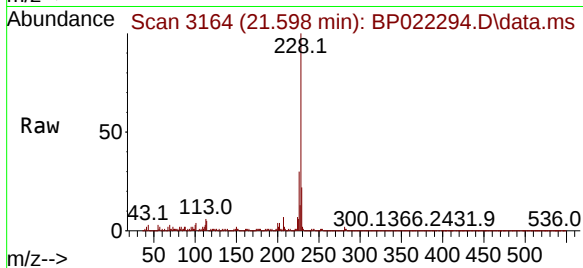
229 21.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/11/2024



#90

Benzo(b)fluoranthene

Concen: 35.649 ng/u1

RT: 23.810 min Scan# 3540

Delta R.T. 0.023 min

Lab File: BP022294.D

Acq: 09 Oct 2024 17:43

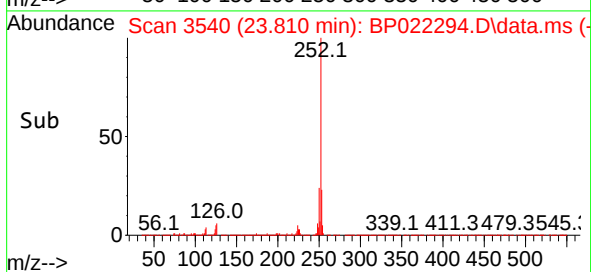
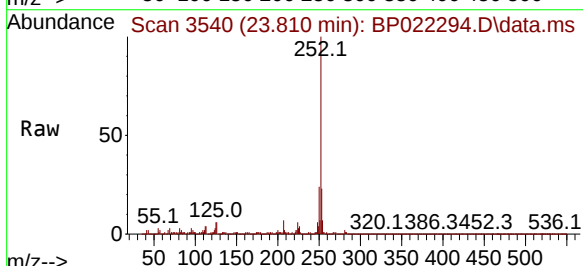
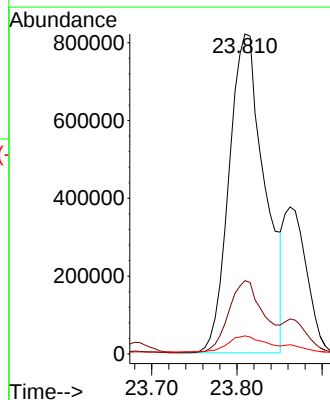
Tgt Ion:252 Resp: 2385171

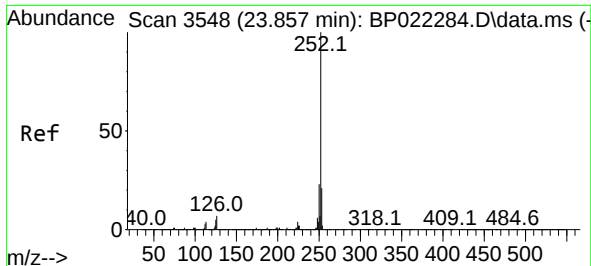
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

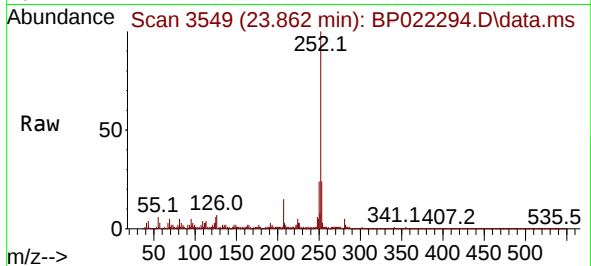
125 5.7 5.0 7.4





#91
Benzo(k)fluoranthene
Concen: 10.556 ng/u1
RT: 23.862 min Scan# 3548
Delta R.T. 0.006 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

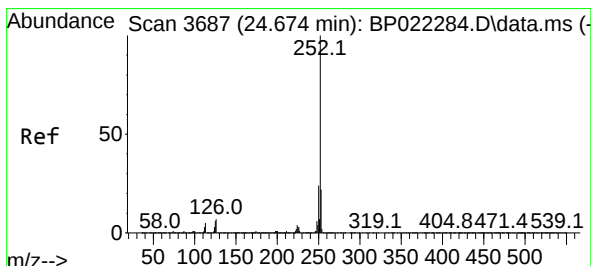
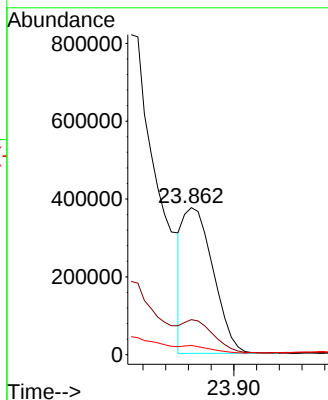
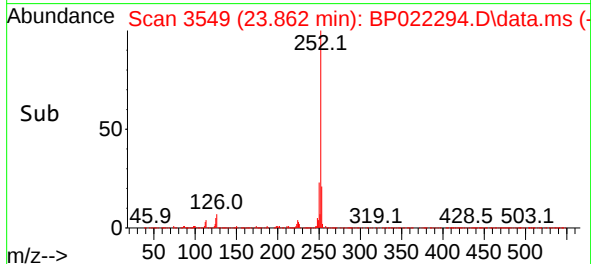
Instrument :
BNA_P
ClientSampleId :
A4EJ5



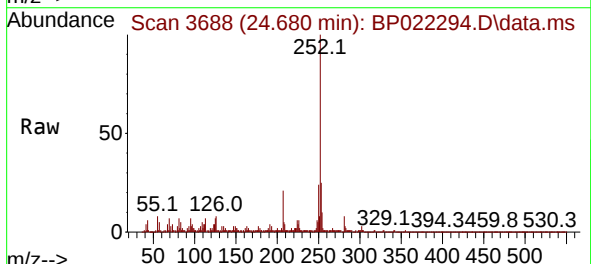
Tgt Ion:252 Resp: 691499
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 6.3 4.6 6.8

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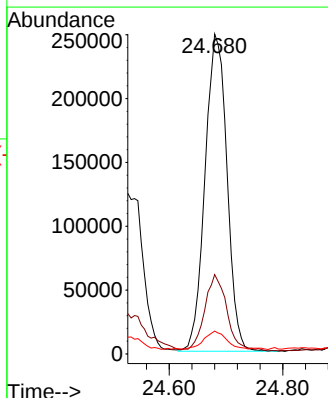
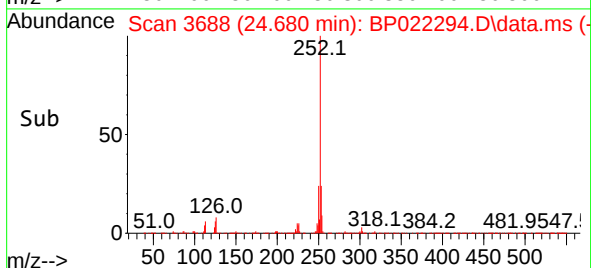
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

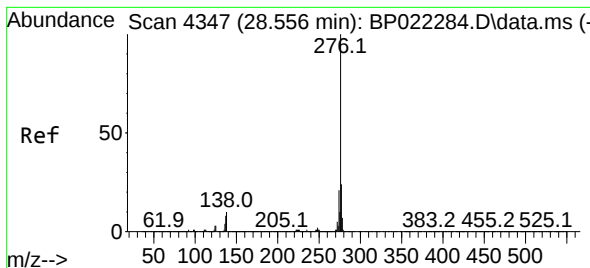


#93
Benzo(a)pyrene
Concen: 10.805 ng/u1
RT: 24.680 min Scan# 3688
Delta R.T. 0.006 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43



Tgt Ion:252 Resp: 665362
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 7.2 4.9 7.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.232 ng/ul

RT: 28.586 min Scan# 4352

Delta R.T. 0.023 min

Lab File: BP022294.D

Acq: 09 Oct 2024 17:43

Instrument :

BNA_P

ClientSampleId :

A4EJ5

Tgt Ion:276 Resp: 75862

Ion Ratio Lower Upper

276 100

138 10.5 9.1 13.7

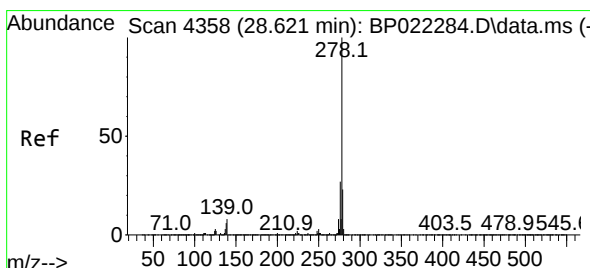
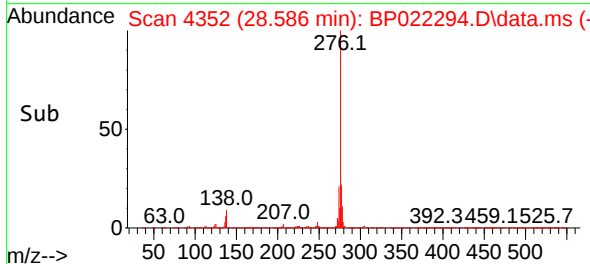
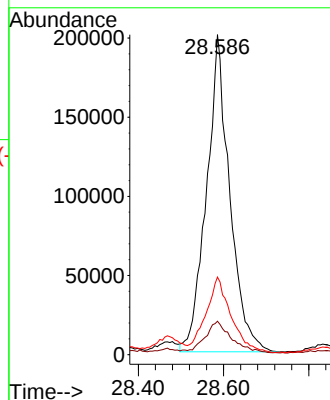
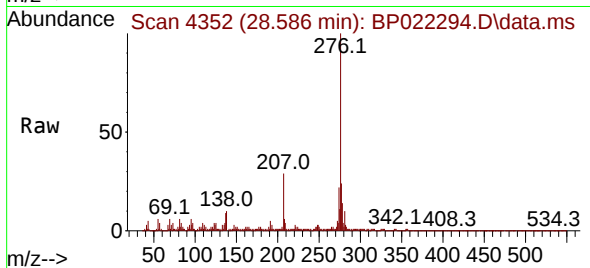
277 24.2 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/11/2024



#95

Dibenzo(a,h)anthracene

Concen: 4.431 ng/ul

RT: 28.639 min Scan# 4361

Delta R.T. 0.006 min

Lab File: BP022294.D

Acq: 09 Oct 2024 17:43

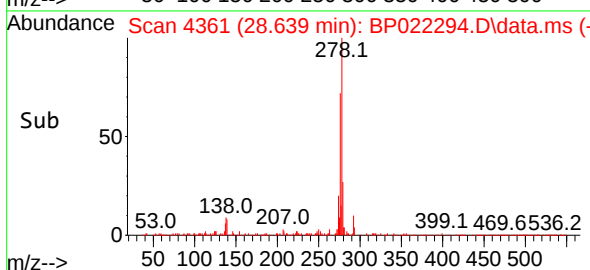
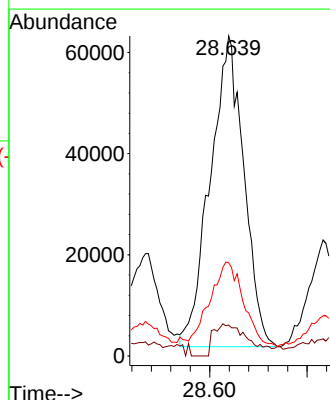
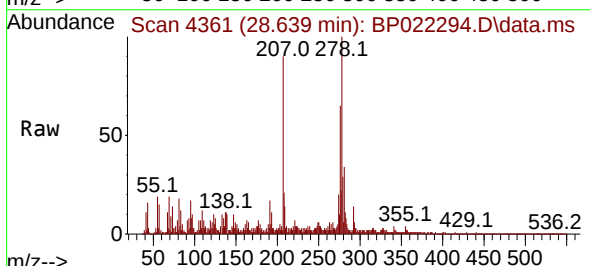
Tgt Ion:278 Resp: 294848

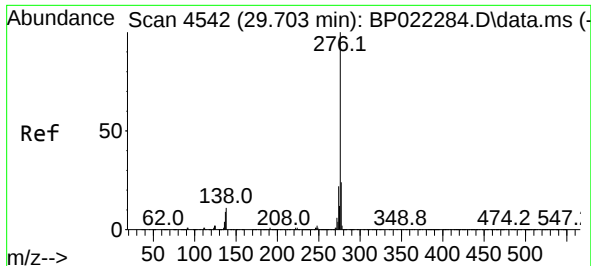
Ion Ratio Lower Upper

278 100

139 9.6 7.3 10.9

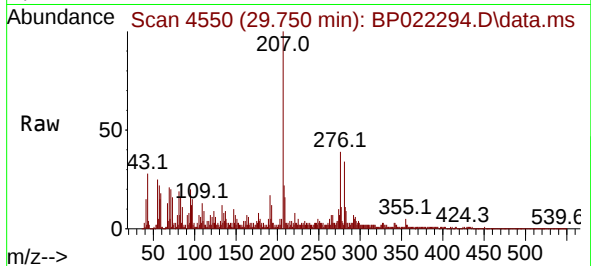
279 29.2 19.0 28.4





#96
Benzo(g,h,i)perylene
Concen: 1.463 ng/ul m
RT: 29.750 min Scan# 4550
Delta R.T. 0.035 min
Lab File: BP022294.D
Acq: 09 Oct 2024 17:43

Instrument :
BNA_P
ClientSampleId :
A4EJ5



Tgt Ion: 276 Resp: 9352
Ion Ratio Lower Upper
276 100
138 13.3 8.5 12.7
277 28.8 19.0 28.4

Manual Integrations
APPROVED

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

