

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070524\
 Data File : BP020809.D
 Acq On : 06 Jul 2024 06:15
 Operator : MA/JU
 Sample : P2964-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CT5

Manual Integrations
 APPROVED

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

Quant Time: Jul 06 06:45:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	227394	20.000	ng/u1	0.00
20) Naphthalene-d8	10.499	136	916955	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	607612	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.163	188	1247714	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	1132643	20.000	ng/u1	0.00
88) Perylene-d12	24.980	264	1358255	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	16700	3.154	ng/uL	0.00
4) Pyridine-d5	3.687	84	36680	2.377	ng/u1	0.00
7) Phenol-d5	6.922	99	368016	19.732	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.075	67	219826	18.592	ng/u1	0.00
11) 2-Chlorophenol-d4	7.275	132	318492	20.895	ng/u1	0.00
15) 4-Methylphenol-d8	8.434	113	262727	17.345	ng/u1	0.00
21) Nitrobenzene-d5	8.881	128	156266	23.083	ng/u1	0.00
24) 2-Nitrophenol-d4	9.593	143	177678	26.226	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.128	165	322548	23.113	ng/u1	0.00
31) 4-Chloroaniline-d4	10.640	131	156730	8.014	ng/u1	0.00
46) Dimethylphthalate-d6	13.757	166	1039262	24.600	ng/u1	0.00
49) Acenaphthylene-d8	14.046	160	1153880	22.890	ng/u1	0.00
54) 4-Nitrophenol-d4	14.593	143	137660	21.327	ng/u1	0.01
60) Fluorene-d10	15.363	176	891903	25.089	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.504	200	94371	15.009	ng/u1	0.00
73) Anthracene-d10	17.269	188	1354999	24.197	ng/u1	0.00
81) Pyrene-d10	19.651	212	1424406	20.933	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.751	264	1105027	16.725	ng/u1	0.01
Target Compounds					Qvalue	
50) Acenaphthylene	14.069	152	67697	1.189	ng/u1	99
61) Fluorene	15.428	166	45618	1.115	ng/u1	100
72) Phenanthrene	17.204	178	1046205	16.012	ng/u1	99
74) Anthracene	17.310	178	205719	3.061	ng/u1	99
77) Carbazole	17.592	167	114240	2.060	ng/u1	99
80) Fluoranthene	19.304	202	2349846	28.272	ng/u1	97
82) Pyrene	19.680	202	1659555	19.469	ng/u1	97
85) Benzo(a)anthracene	21.610	228	1055205	13.292	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.533	149	486501	9.899	ng/u1#	98
87) Chrysene	21.674	228	1204360	16.050	ng/u1	99
90) Benzo(b)fluoranthene	23.921	252	1683683	20.462	ng/u1	99
91) Benzo(k)fluoranthene	23.980	252	587156m	7.054	ng/u1	
93) Benzo(a)pyrene	24.827	252	617717	7.952	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.780	276	641538m	6.439	ng/u1	
95) Dibenzo(a,h)anthracene	28.856	278	213559	2.608	ng/u1#	89

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

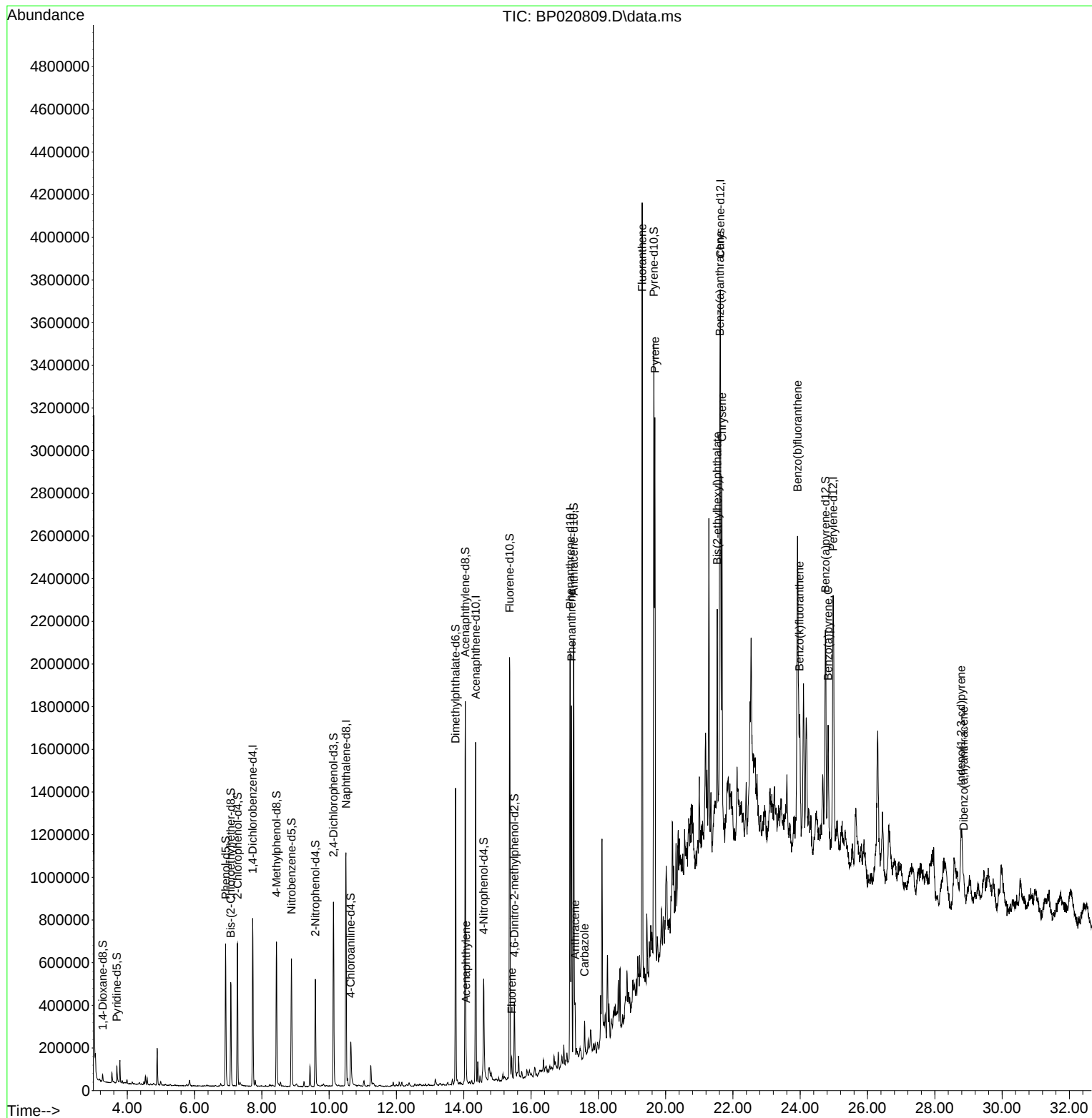
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070524\
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 ALS Vial : 28 Sample Multiplier: 1

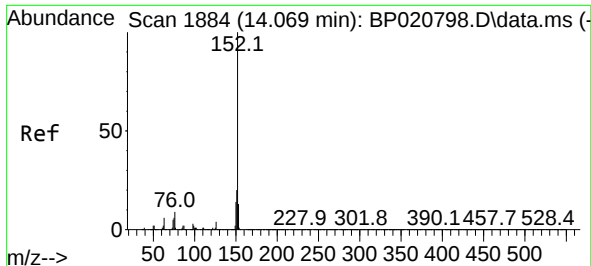
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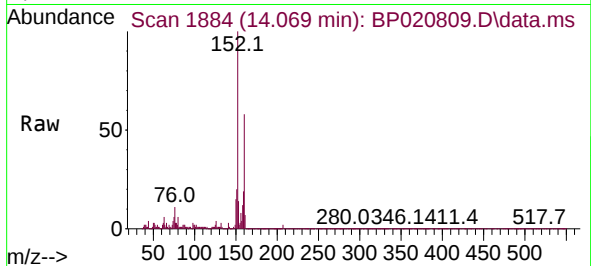
Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024





#50
Acenaphthylene
Concen: 1.189 ng/ul
RT: 14.069 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BP020809.D
Acq: 06 Jul 2024 06:15

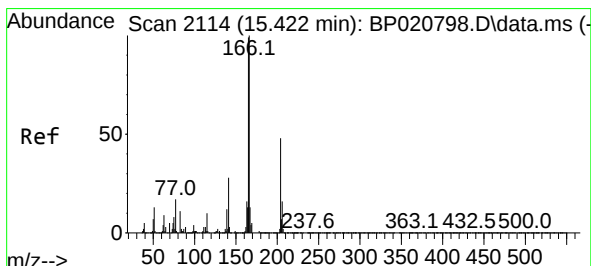
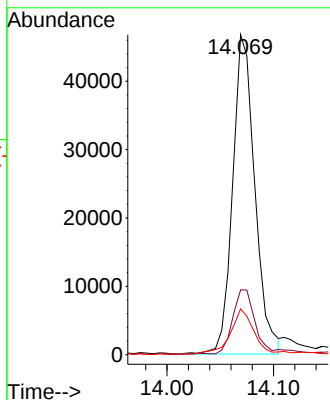
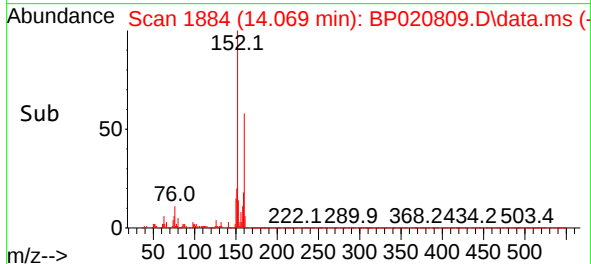
Instrument :
BNA_P
ClientSampleId :
A4CT5



Tgt Ion:152 Resp: 6769
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 14.3 10.8 16.2

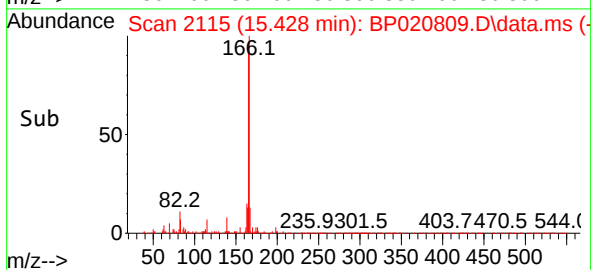
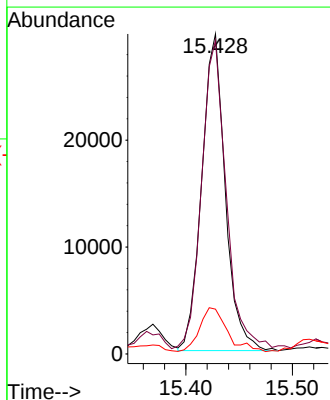
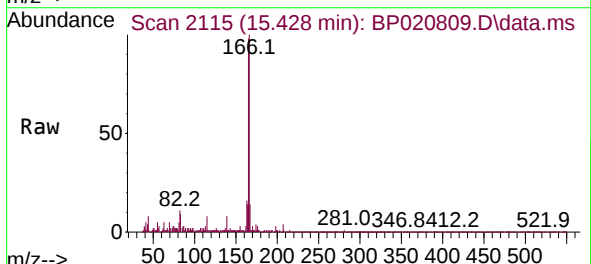
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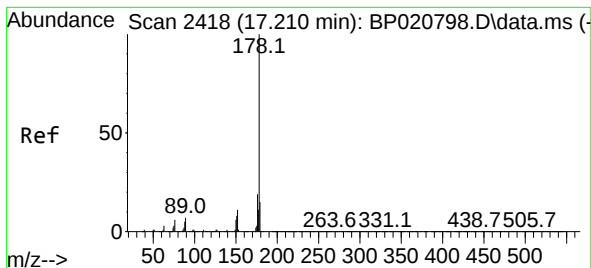
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#61
Fluorene
Concen: 1.115 ng/ul
RT: 15.428 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP020809.D
Acq: 06 Jul 2024 06:15

Tgt Ion:166 Resp: 45618
Ion Ratio Lower Upper
166 100
165 98.0 78.8 118.2
167 14.0 11.2 16.8





#72

Phenanthrene

Concen: 16.012 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

Instrument :

BNA_P

ClientSampleId :

A4CT5

Tgt Ion:178 Resp: 104620

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

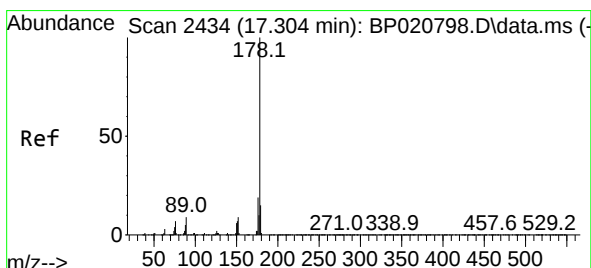
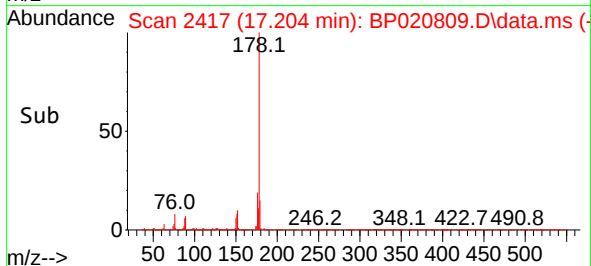
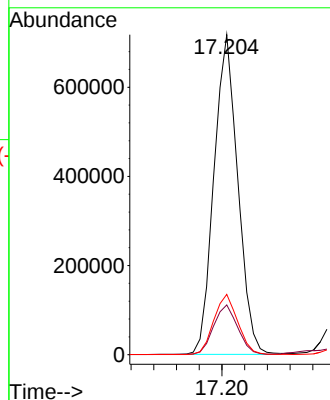
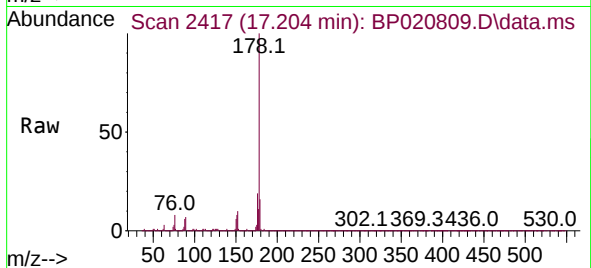
176 18.8 15.4 23.2

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024



#74

Anthracene

Concen: 3.061 ng/ul

RT: 17.310 min Scan# 2435

Delta R.T. 0.012 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

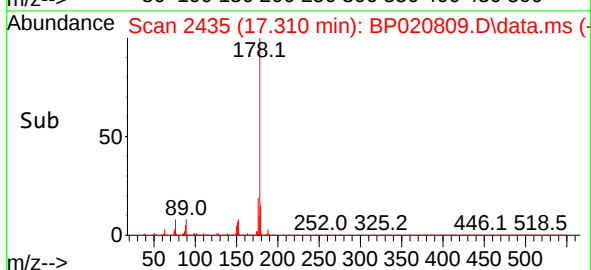
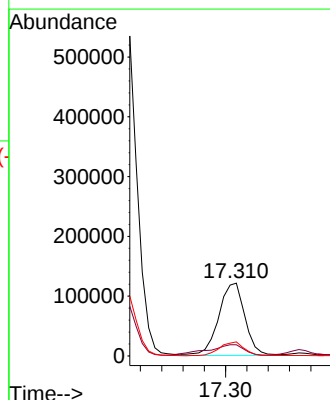
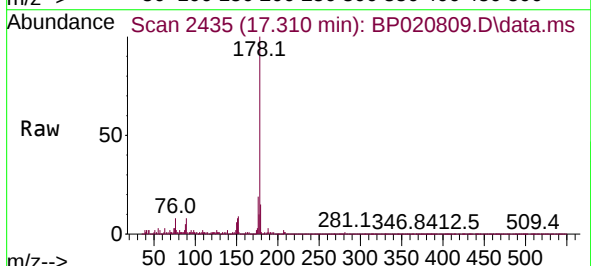
Tgt Ion:178 Resp: 205719

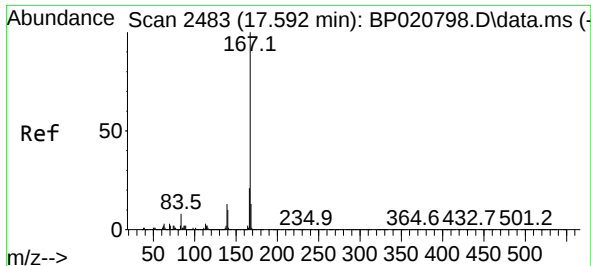
Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

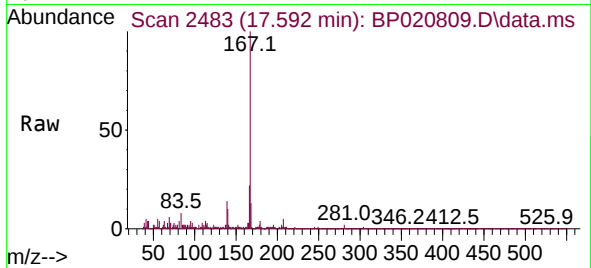
176 19.3 15.0 22.4





#77
 Carbazole
 Concen: 2.060 ng/ul
 RT: 17.592 min Scan# 2483
 Delta R.T. 0.006 min
 Lab File: BP020809.D
 Acq: 06 Jul 2024 06:15

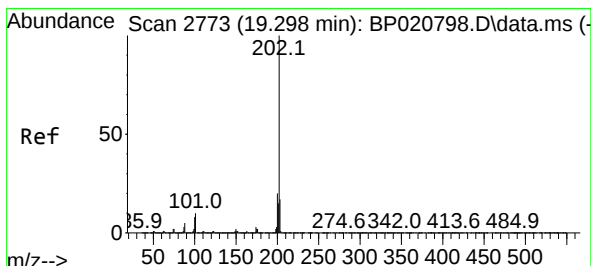
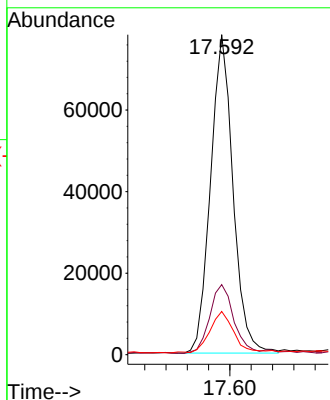
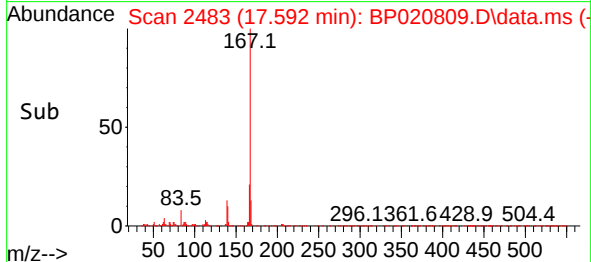
Instrument :
 BNA_P
 ClientSampleId :
 A4CT5



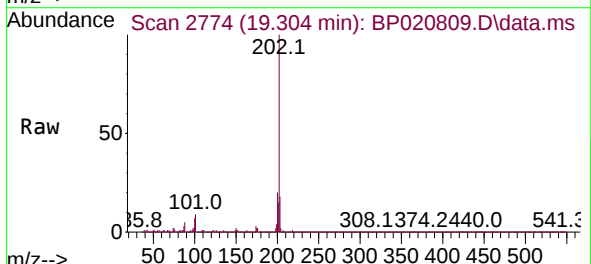
Tgt Ion:167 Resp: 114240
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 13.5 10.6 16.0

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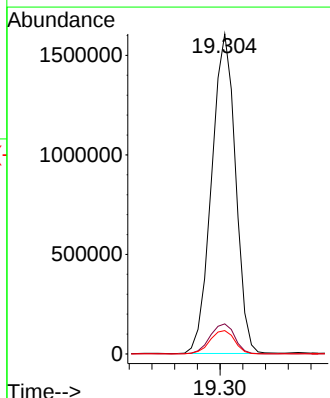
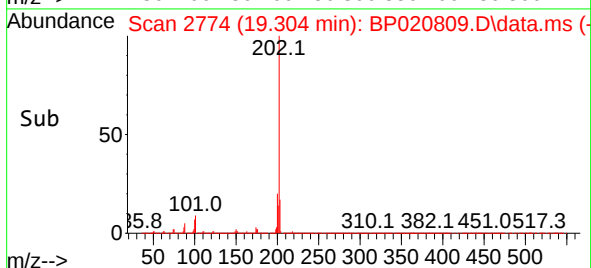
Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

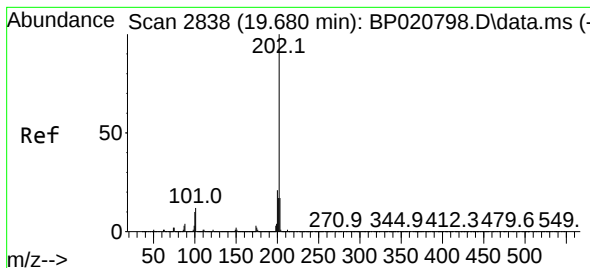


#80
 Fluoranthene
 Concen: 28.272 ng/ul
 RT: 19.304 min Scan# 2774
 Delta R.T. 0.006 min
 Lab File: BP020809.D
 Acq: 06 Jul 2024 06:15



Tgt Ion:202 Resp: 2349846
 Ion Ratio Lower Upper
 202 100
 101 9.4 8.2 12.4
 100 7.3 6.6 10.0





#82

Pyrene

Concen: 19.469 ng/ul

RT: 19.680 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

Instrument :

BNA_P

ClientSampleId :

A4CT5

Tgt Ion:202 Resp: 165955

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

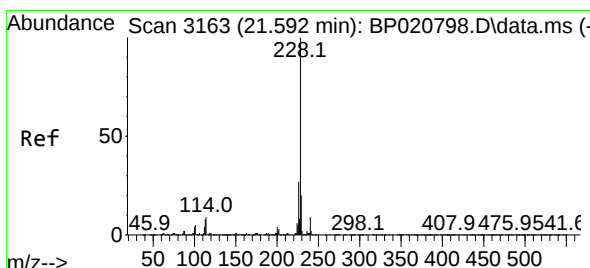
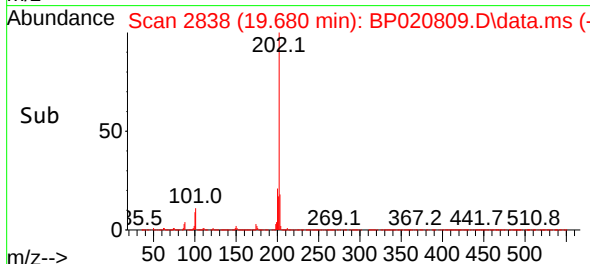
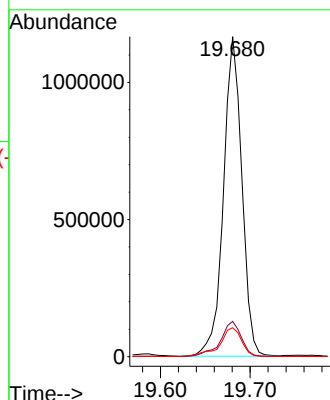
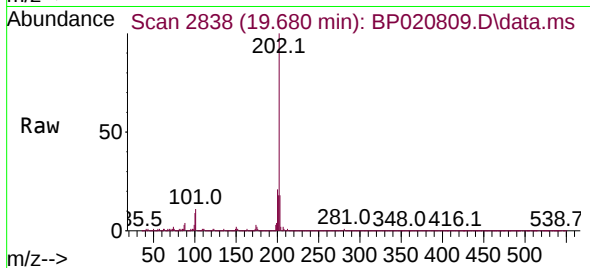
100 9.0 7.9 11.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#85

Benzo(a)anthracene

Concen: 13.292 ng/ul

RT: 21.610 min Scan# 3166

Delta R.T. 0.012 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

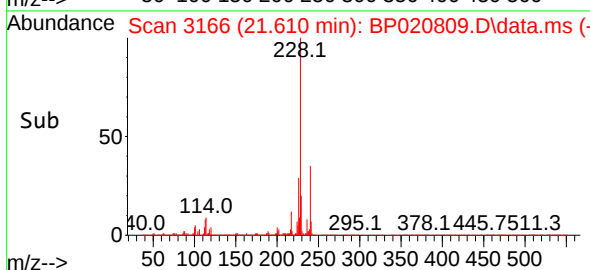
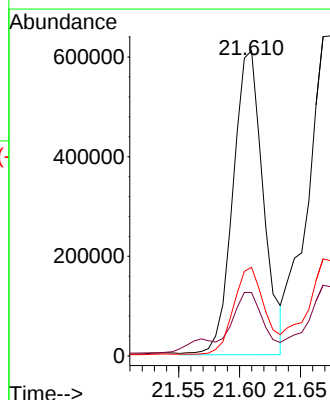
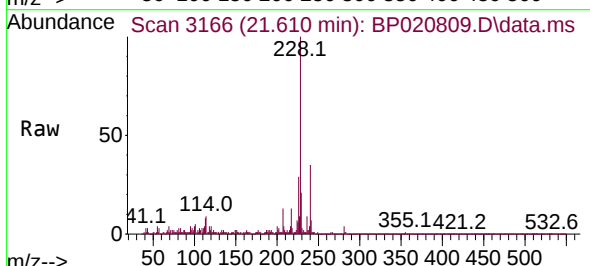
Tgt Ion:228 Resp: 1055205

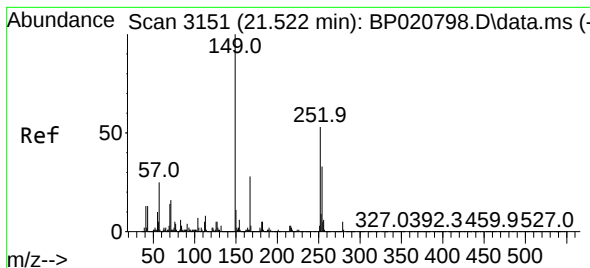
Ion Ratio Lower Upper

228 100

229 20.7 15.2 22.8

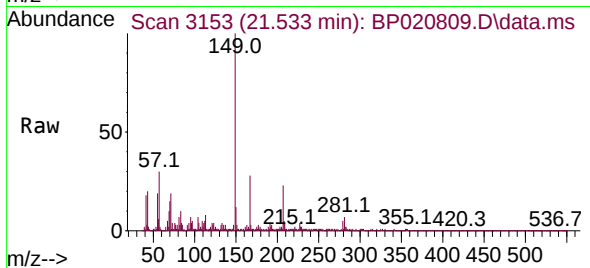
226 29.0 21.1 31.7





#86
Bis(2-ethylhexyl)phthalate
Concen: 9.899 ng/ul
RT: 21.533 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BP020809.D
Acq: 06 Jul 2024 06:15

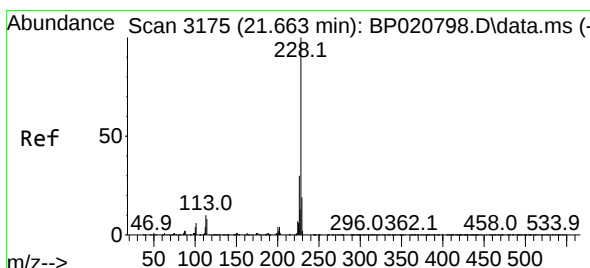
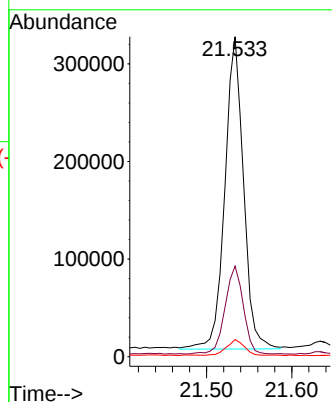
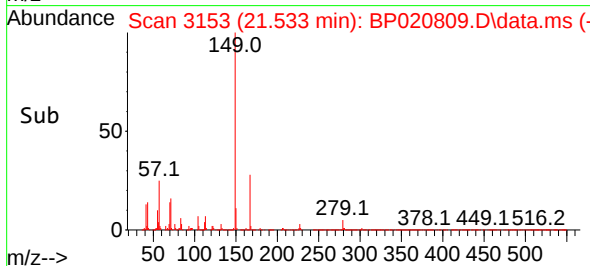
Instrument :
BNA_P
ClientSampleId :
A4CT5



Tgt Ion:149 Resp: 486500
Ion Ratio Lower Upper
149 100
167 28.3 22.0 33.0
279 5.4 3.3 4.9

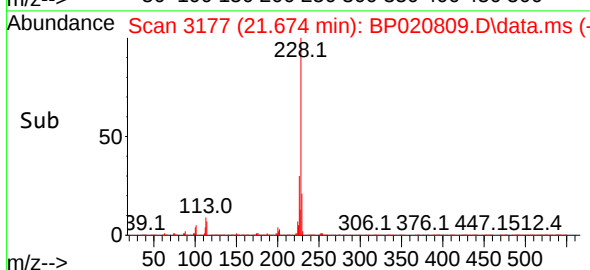
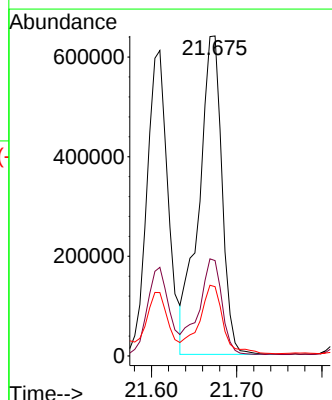
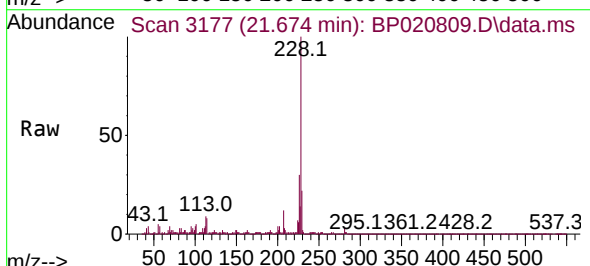
Manual Integrations
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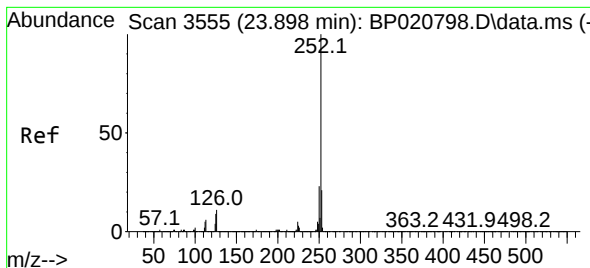
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#87
Chrysene
Concen: 16.050 ng/ul
RT: 21.674 min Scan# 3177
Delta R.T. 0.006 min
Lab File: BP020809.D
Acq: 06 Jul 2024 06:15

Tgt Ion:228 Resp: 1204360
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 21.6 16.1 24.1





#90

Benzo(b)fluoranthene

Concen: 20.462 ng/ul

RT: 23.921 min Scan# 3559

Delta R.T. 0.018 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

Instrument :

BNA_P

ClientSampleId :

A4CT5

Tgt Ion:252 Resp: 168368

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

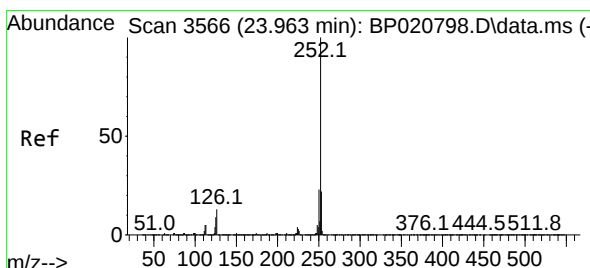
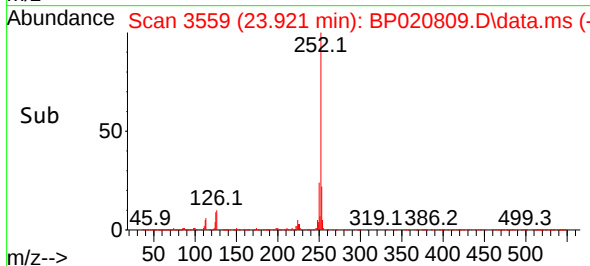
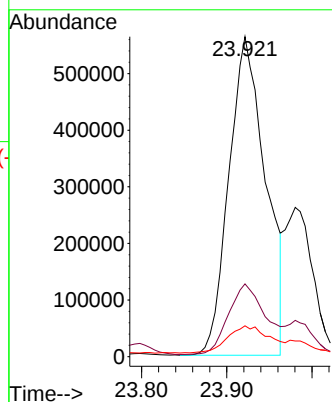
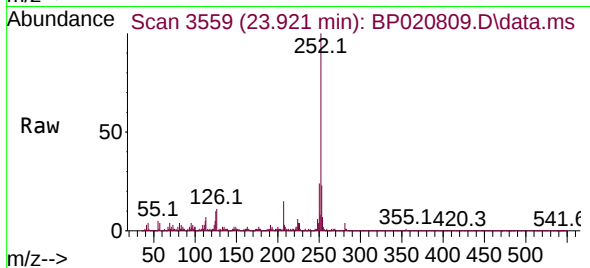
125 9.7 7.9 11.9

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024



#91

Benzo(k)fluoranthene

Concen: 7.054 ng/ul m

RT: 23.980 min Scan# 3569

Delta R.T. 0.006 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

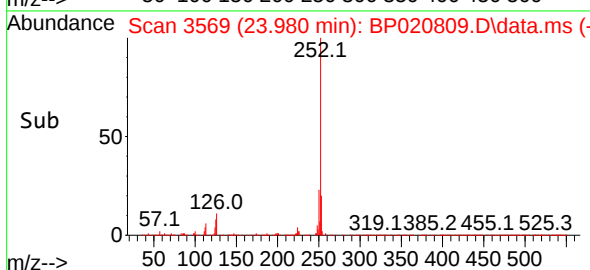
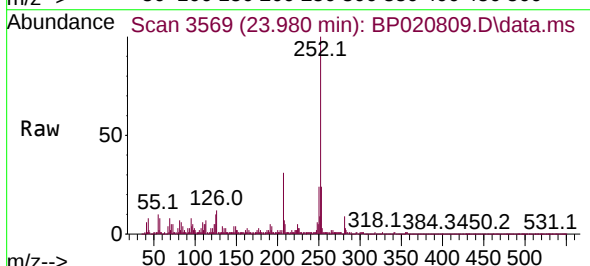
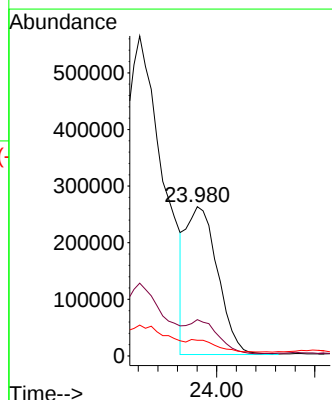
Tgt Ion:252 Resp: 587156

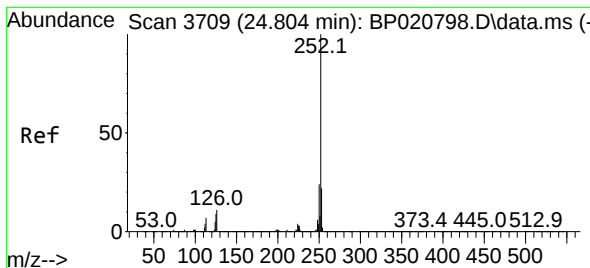
Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 10.5 7.9 11.9





#93

Benzo(a)pyrene

Concen: 7.952 ng/ul

RT: 24.827 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

Instrument :

BNA_P

ClientSampleId :

A4CT5

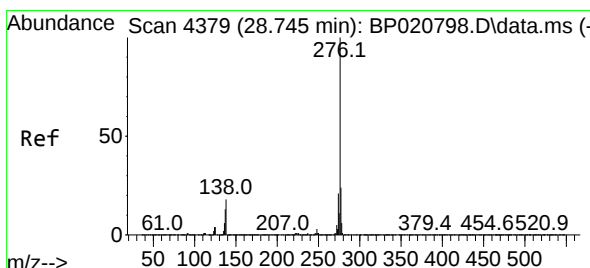
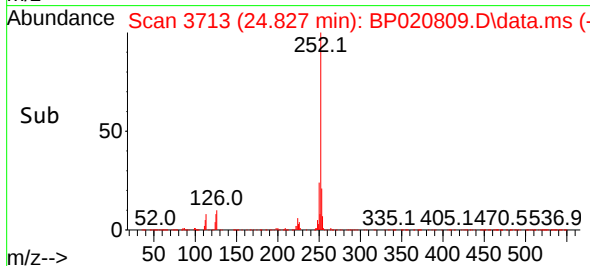
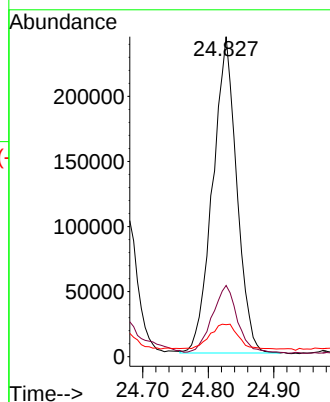
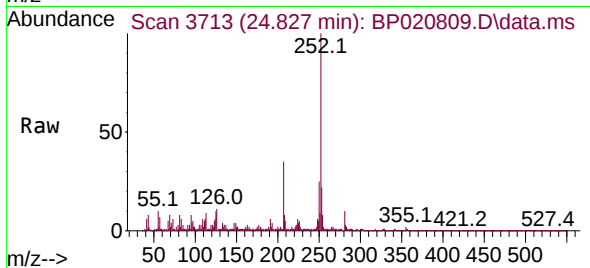
Tgt Ion:	252	Resp:	61771
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	10.0	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.439 ng/ul m

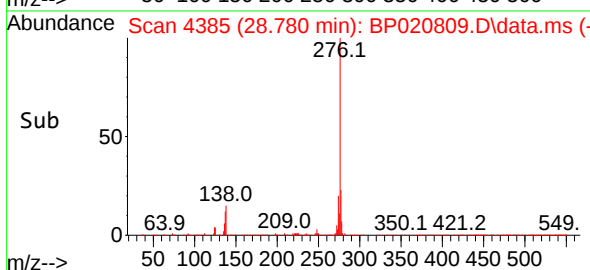
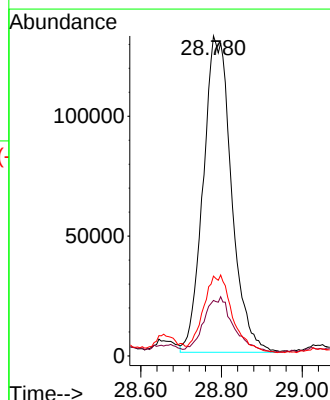
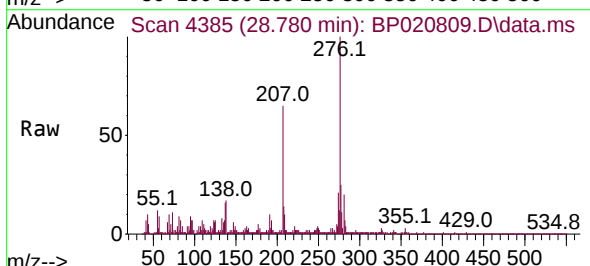
RT: 28.780 min Scan# 4385

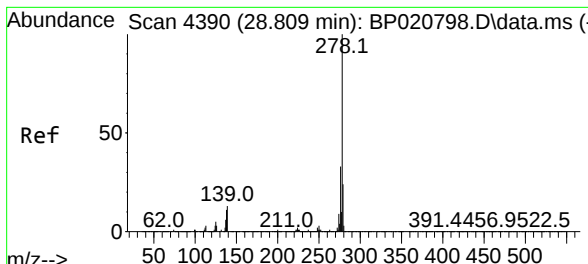
Delta R.T. 0.018 min

Lab File: BP020809.D

Acq: 06 Jul 2024 06:15

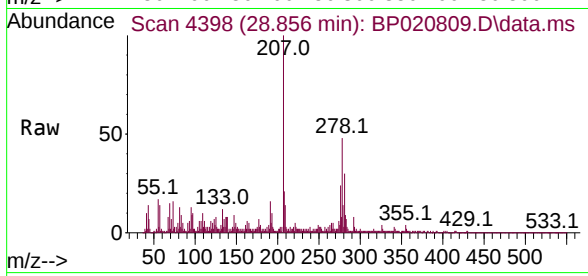
Tgt Ion:	276	Resp:	641538
Ion Ratio	Lower	Upper	
276	100		
138	17.4	15.2	22.8
277	24.9	19.0	28.4





#95
 Dibenzo(a,h)anthracene
 Concen: 2.608 ng/ul
 RT: 28.856 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BP020809.D
 Acq: 06 Jul 2024 06:15

Instrument : BNA_P
 ClientSampleId : A4CT5



Tgt Ion: 278 Resp: 21355

Ion	Ratio	Lower	Upper
278	100		
139	17.5	11.1	16.7
279	29.1	18.7	28.1

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

