

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026204.D
 Acq On : 01 Dec 2025 20:02
 Operator : RC/JU
 Sample : Q3716-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Dec 02 00:30:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	246581	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	985477	20.000	ng	-0.02
39) Acenaphthene-d10	14.284	164	647616	20.000	ng	-0.04
64) Phenanthrene-d10	17.101	188	1258602	20.000	ng	-0.03
76) Chrysene-d12	21.536	240	1291488	20.000	ng	-0.04
86) Perylene-d12	24.819	264	1438482	20.000	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	1010843	65.799	ng	0.00
7) Phenol-d6	6.849	99	890792	45.547	ng	0.00
23) Nitrobenzene-d5	8.796	82	1569424	90.461	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	1207287	143.705	ng	-0.03
45) 2-Fluorobiphenyl	12.896	172	4036679	91.352	ng	-0.04
79) Terphenyl-d14	19.831	244	5708918	90.135	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.872	94	87346	4.146	ng	92
17) 2-Methylphenol	8.096	107	37760	2.633	ng	97
20) 3+4-Methylphenols	8.419	107	1053703	53.019	ng	90
27) 2,4-Dimethylphenol	9.608	122	99010	6.183	ng	98
31) Naphthalene	10.472	128	3355646	63.005	ng	99
35) Caprolactam	11.449	113	116427	20.316	ng	# 86
37) 2-Methylnaphthalene	12.090	142	2116408	56.052	ng	100
38) 1-Methylnaphthalene	12.313	142	1601228m	43.387	ng	

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

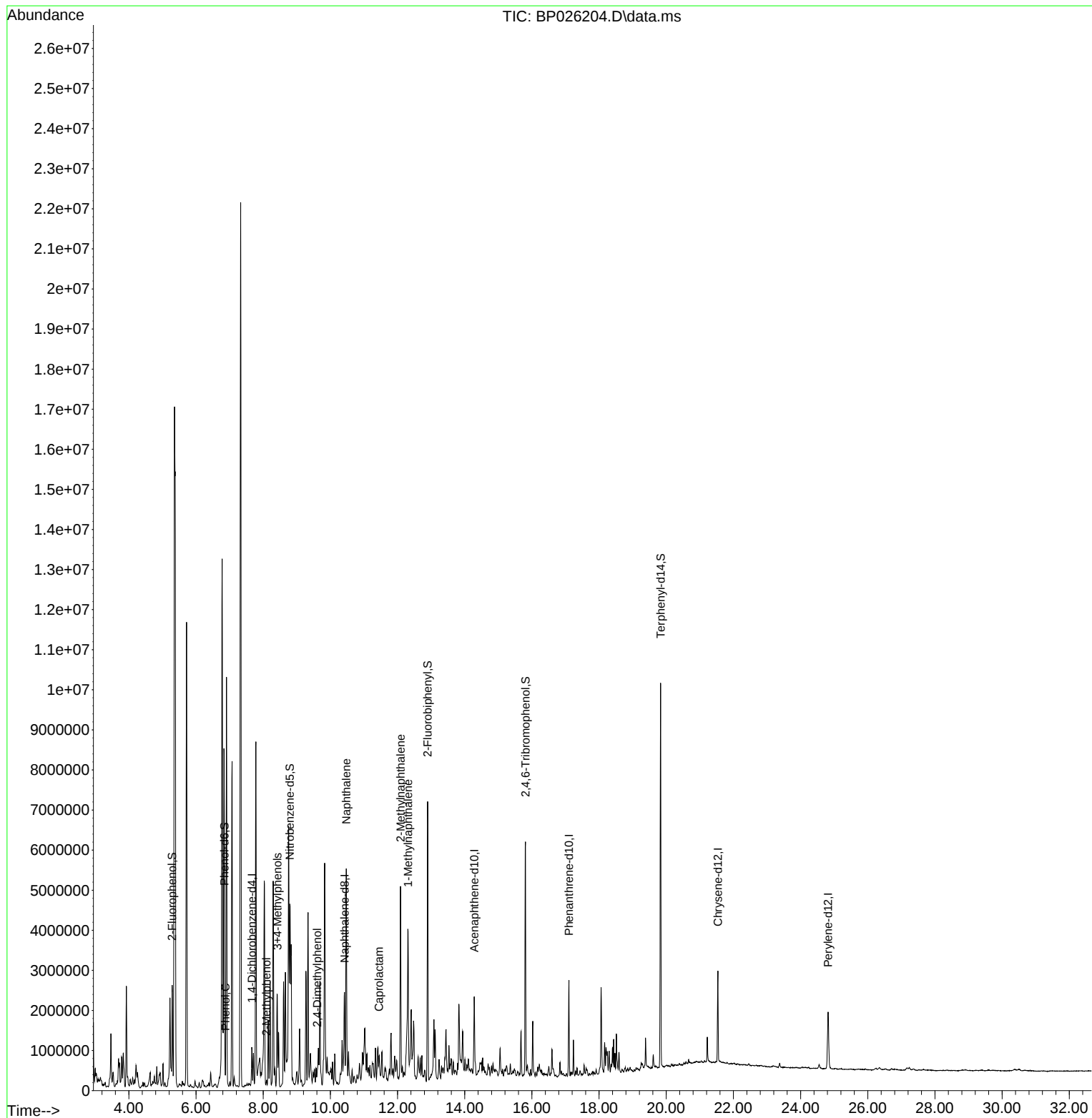
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026204.D
Acq On : 01 Dec 2025 20:02
Operator : RC/JU
Sample : Q3716-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

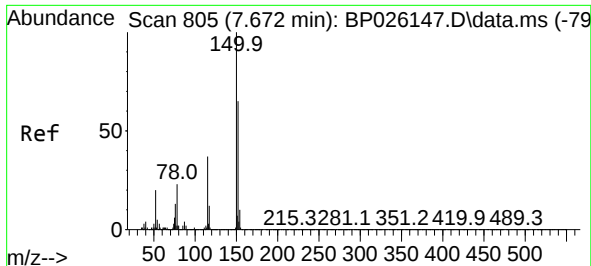
Instrument :
BNA_P
ClientSampleId :
MW5

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
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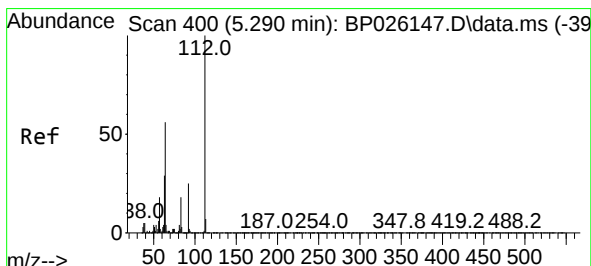
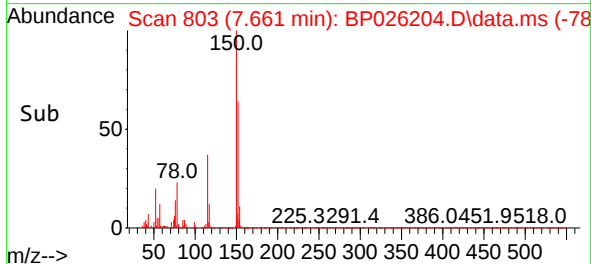
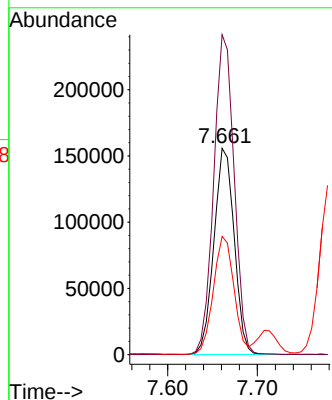
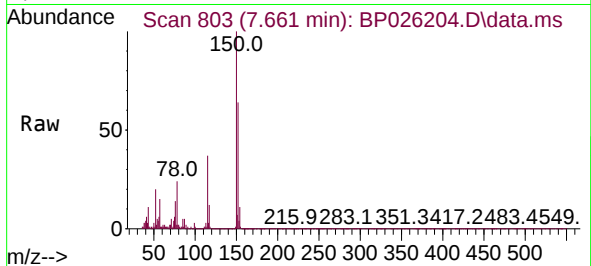
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.661 min Scan# 80
Delta R.T. -0.011 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Instrument :
BNA_P
ClientSampleId :
MW5

Tgt Ion:152 Resp: 24658
Ion Ratio Lower Upper
152 100
150 155.1 123.0 184.6
115 57.3 46.3 69.5

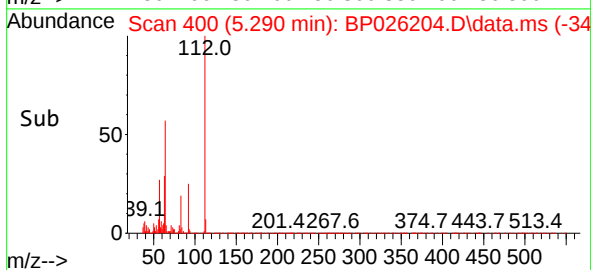
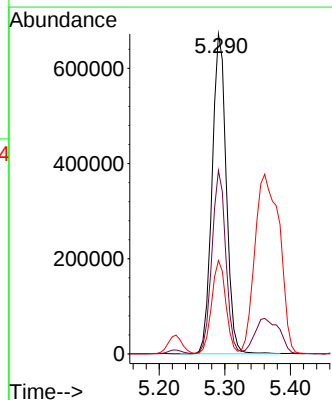
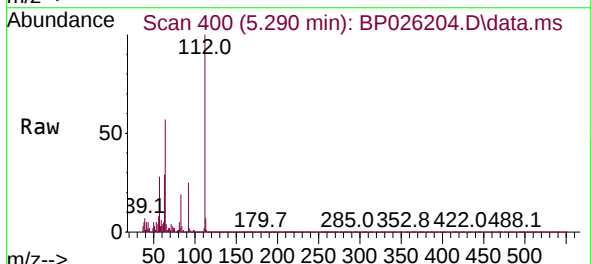
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#5
2-Fluorophenol
Concen: 65.799 ng
RT: 5.290 min Scan# 400
Delta R.T. 0.000 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

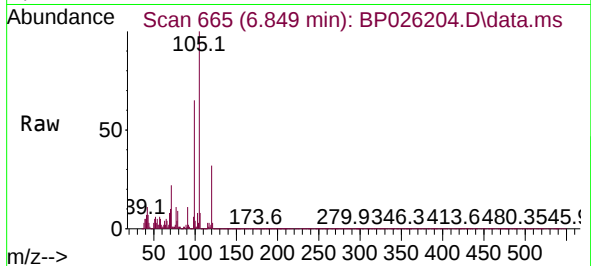
Tgt Ion:112 Resp: 1010843
Ion Ratio Lower Upper
112 100
64 57.3 45.8 68.6
63 29.2 23.5 35.3





#7
Phenol-d6
Concen: 45.547 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

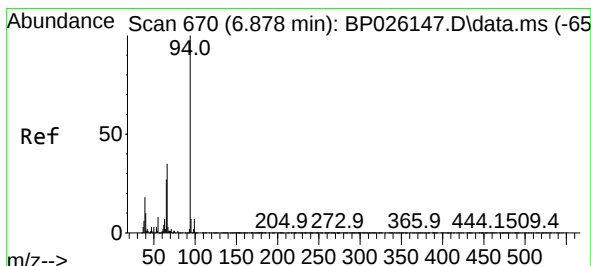
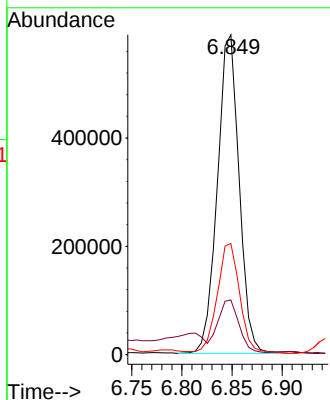
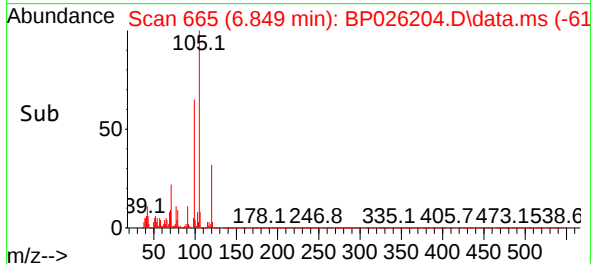
Instrument :
BNA_P
ClientSampleId :
MW5



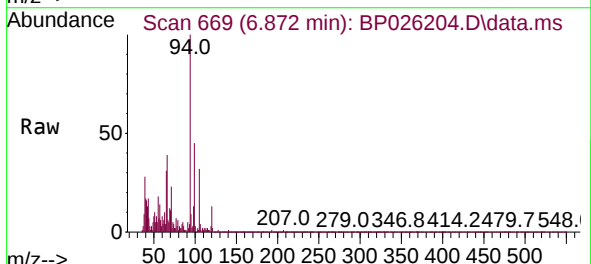
Tgt Ion: 99 Resp: 890792
Ion Ratio Lower Upper
99 100
42 17.1 12.9 19.3
71 34.7 24.8 37.2

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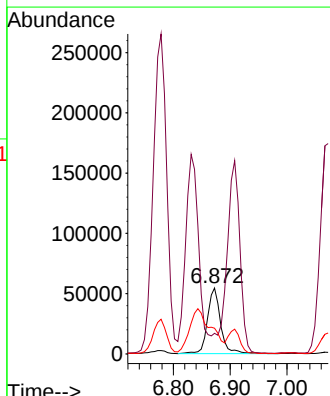
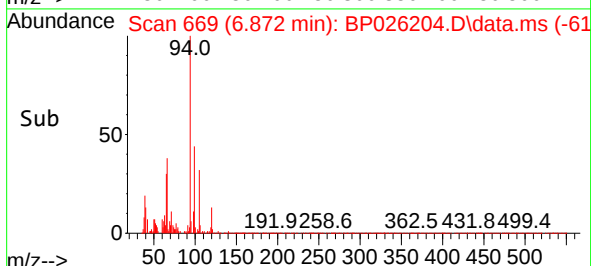
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

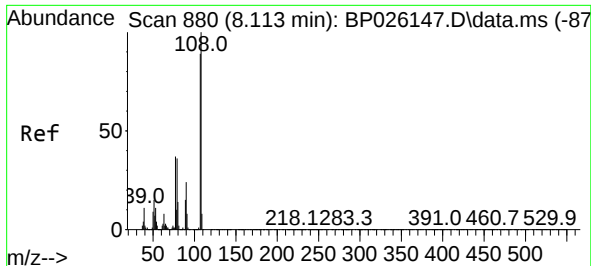


#10
Phenol
Concen: 4.146 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02



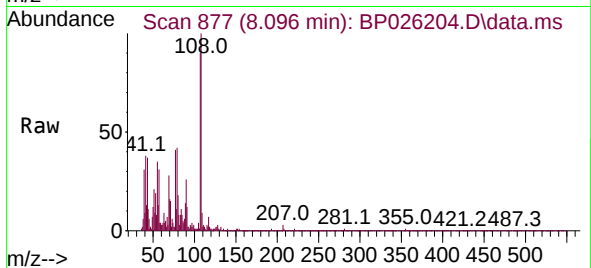
Tgt Ion: 94 Resp: 87346
Ion Ratio Lower Upper
94 100
65 31.3 7.0 47.0
66 38.9 14.5 54.5





#17
2-Methylphenol
Concen: 2.633 ng
RT: 8.096 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

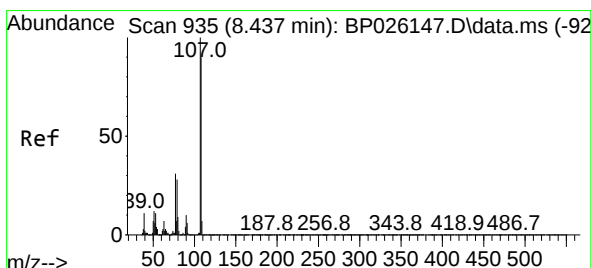
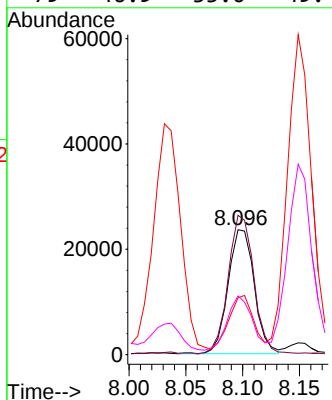
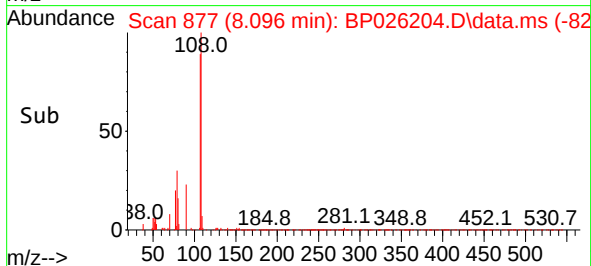
Instrument :
BNA_P
ClientSampleId :
MW5



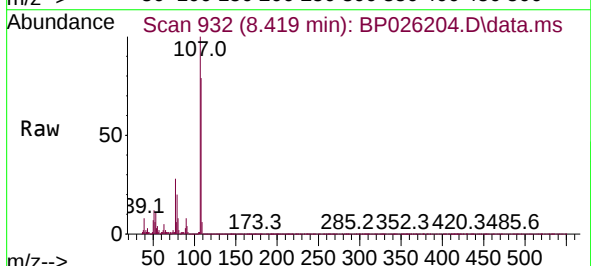
Tgt Ion:107 Resp: 37760
Ion Ratio Lower Upper
107 100
108 111.4 89.7 134.5
77 45.6 33.9 50.9
79 46.9 33.0 49.4

Manual Integrations
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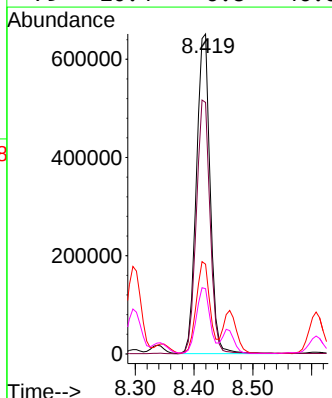
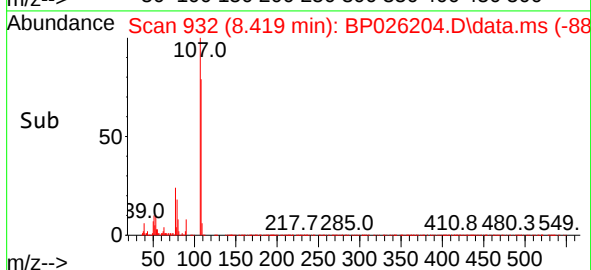
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

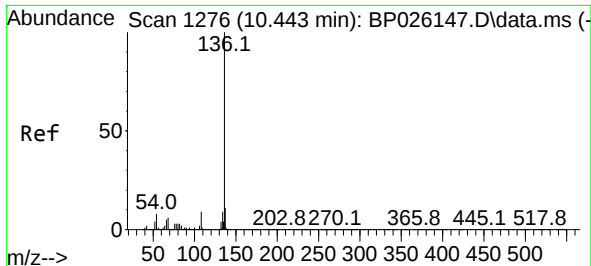


#20
3+4-Methylphenols
Concen: 53.019 ng
RT: 8.419 min Scan# 932
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02



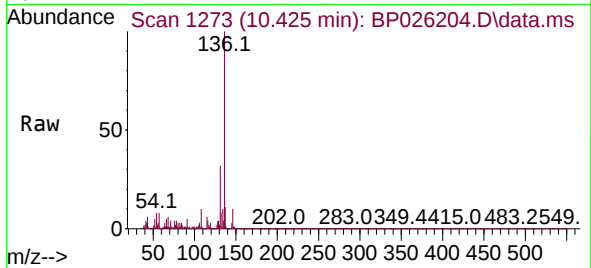
Tgt Ion:107 Resp: 1053703
Ion Ratio Lower Upper
107 100
108 78.6 68.9 108.9
77 28.0 10.4 50.4
79 20.4 6.8 46.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Instrument :
BNA_P
ClientSampleId :
MW5

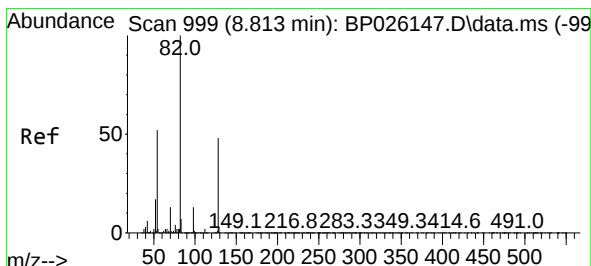
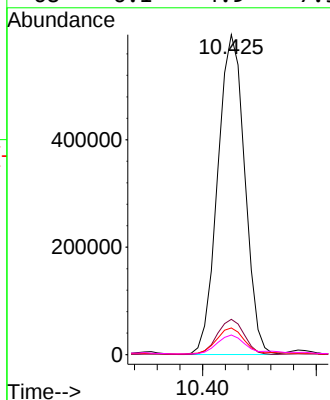
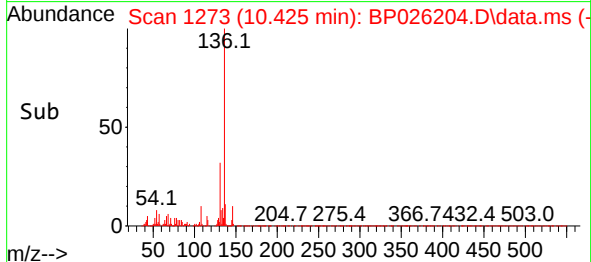


Tgt Ion: 136 Resp: 98547

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.3	6.4	9.6
68	6.1	4.9	7.3

Manual Integrations
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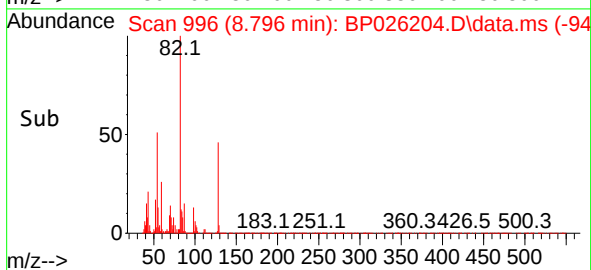
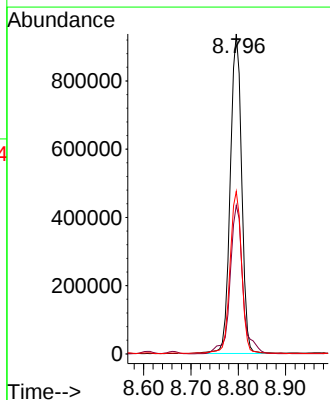
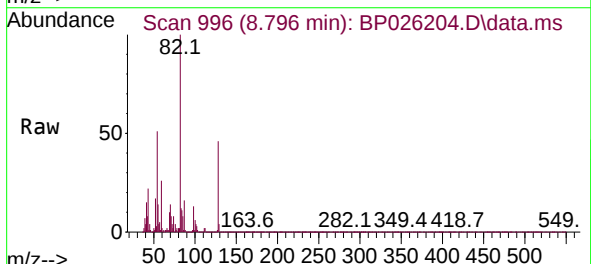
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

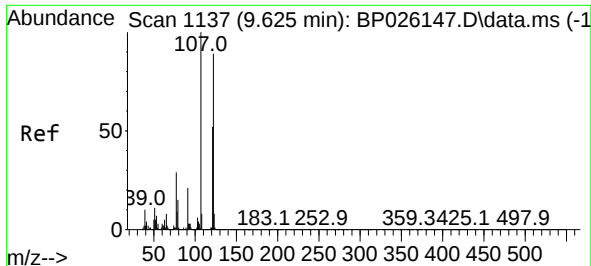


#23
Nitrobenzene-d5
Concen: 90.461 ng
RT: 8.796 min Scan# 996
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion: 82 Resp: 1569424

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.4	56.0
54	50.8	41.6	62.4





#27

2,4-Dimethylphenol

Concen: 6.183 ng

RT: 9.608 min Scan# 1137

Delta R.T. -0.017 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Instrument :

BNA_P

ClientSampleId :

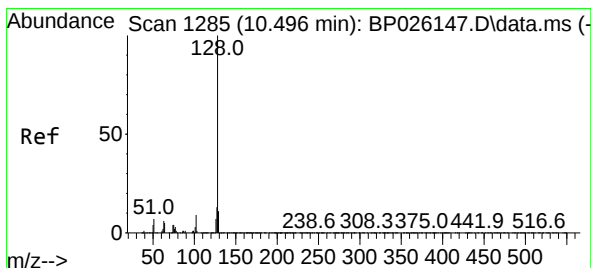
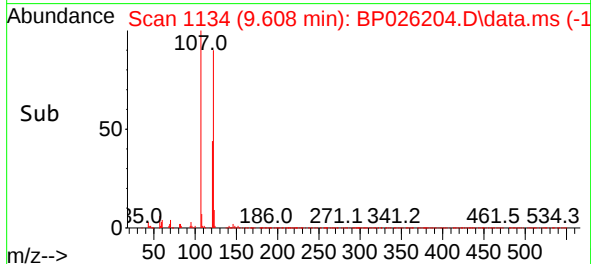
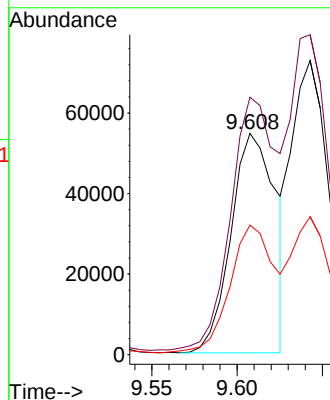
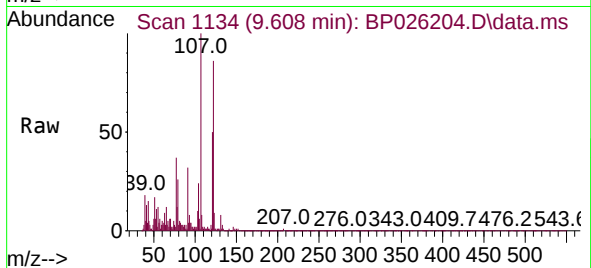
MW5

Tgt Ion:	122	Resp:	99010
Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.0	136.6
121	58.6	47.0	70.6

Manual Integrations

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#31

Naphthalene

Concen: 63.005 ng

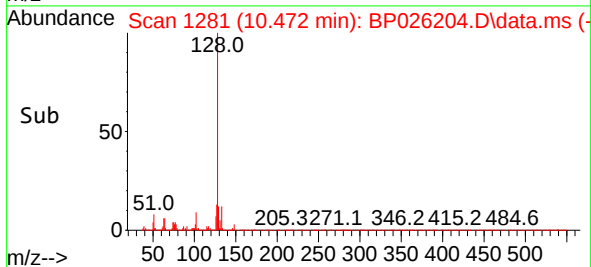
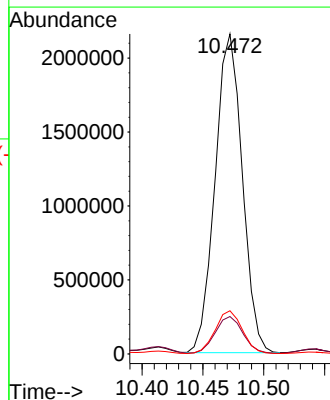
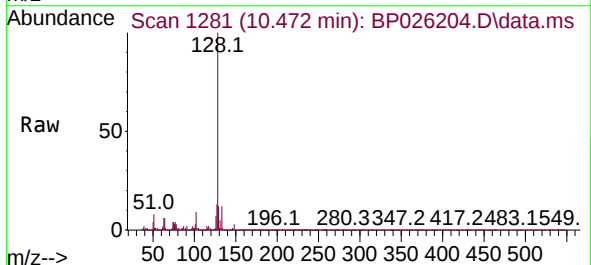
RT: 10.472 min Scan# 1281

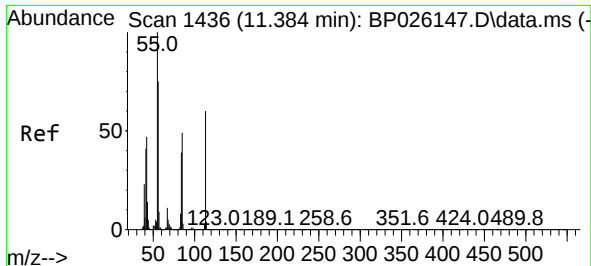
Delta R.T. -0.023 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

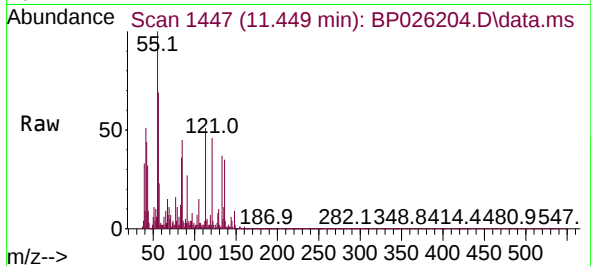
Tgt Ion:	128	Resp:	3355646
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.5	10.2	15.4





#35
Caprolactam
Concen: 20.316 ng
RT: 11.449 min Scan# 1436
Delta R.T. 0.071 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

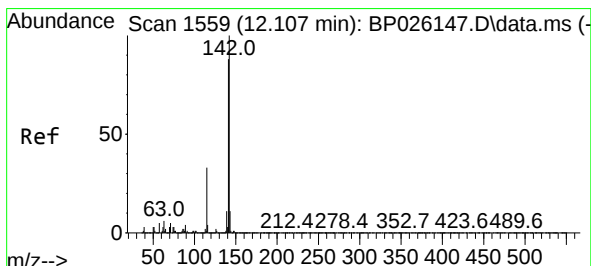
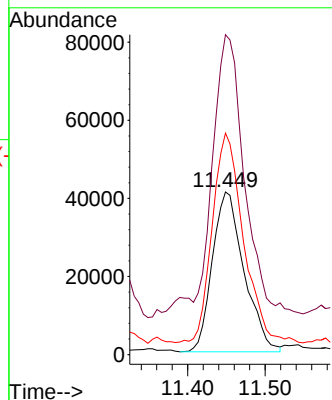
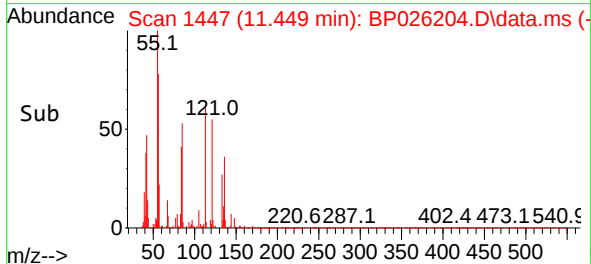
Instrument :
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ClientSampleId :
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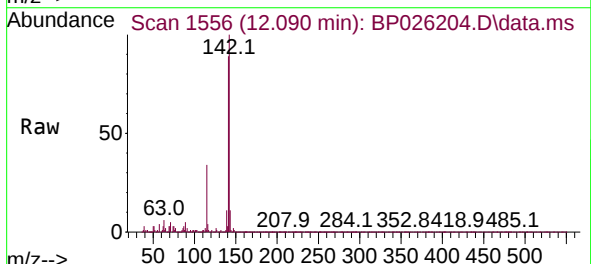
Tgt Ion:113 Resp: 116427
Ion Ratio Lower Upper
113 100
55 196.8 153.0 193.0
56 136.2 106.4 146.4

Manual Integrations
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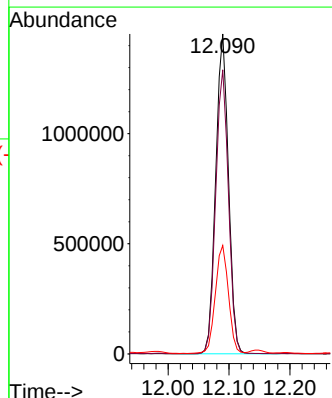
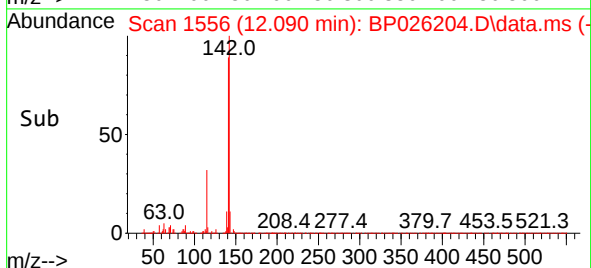
Reviewed By :Jagrut Upadhyay 12/02/2025
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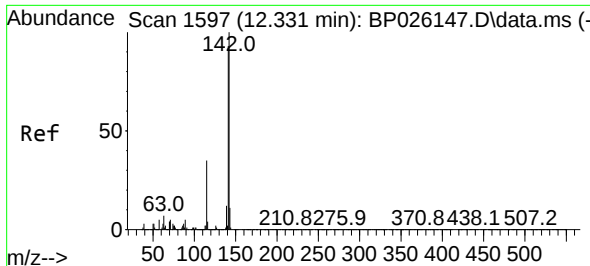


#37
2-Methylnaphthalene
Concen: 56.052 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02



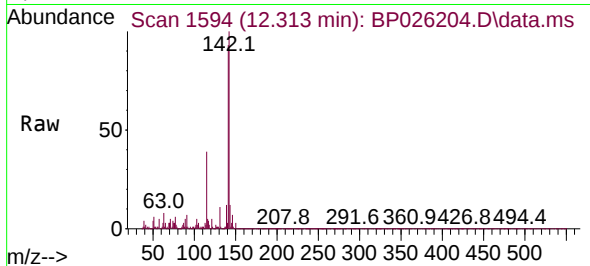
Tgt Ion:142 Resp: 2116408
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6
115 33.9 26.6 39.8





#38
1-Methylnaphthalene
Concen: 43.387 ng m
RT: 12.313 min Scan# 1597
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

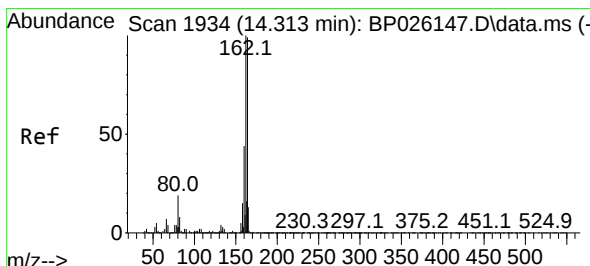
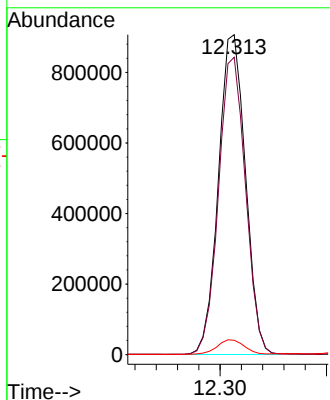
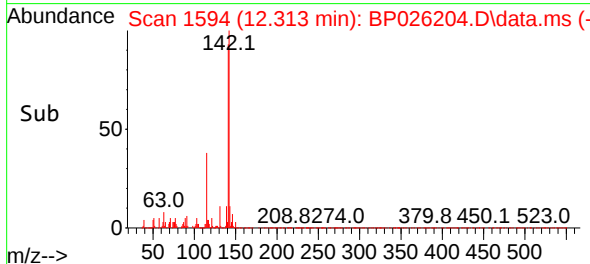
Instrument :
BNA_P
ClientSampleId :
MW5



Tgt Ion:142 Resp: 1601228
Ion Ratio Lower Upper
142 100
141 92.9 73.5 110.3
116 4.5 3.0 4.4

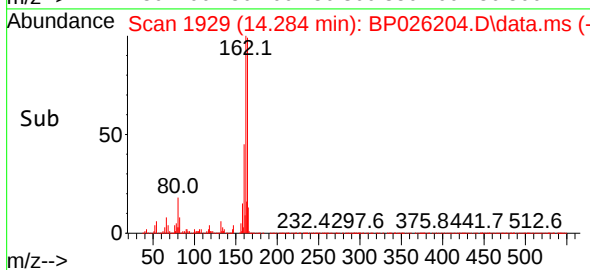
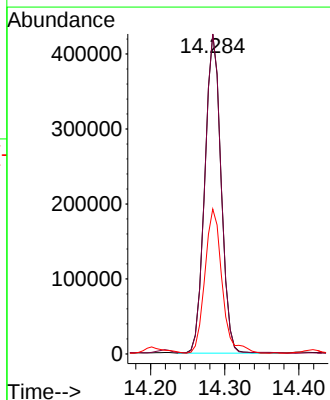
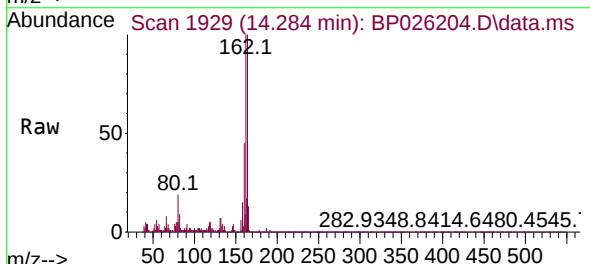
Manual Integrations
APPROVED

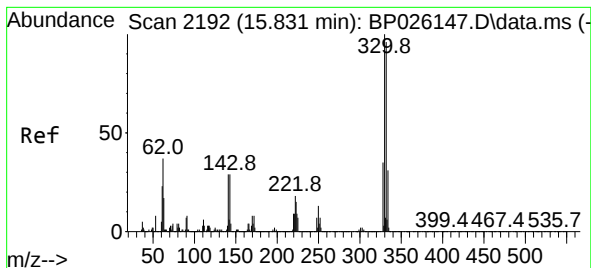
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.284 min Scan# 1929
Delta R.T. -0.041 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

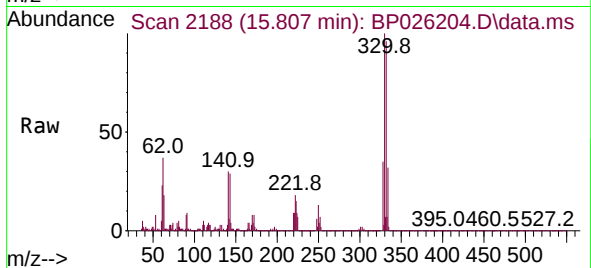
Tgt Ion:164 Resp: 647616
Ion Ratio Lower Upper
164 100
162 100.1 80.3 120.5
160 45.4 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 143.705 ng
RT: 15.807 min Scan# 2192
Delta R.T. -0.029 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

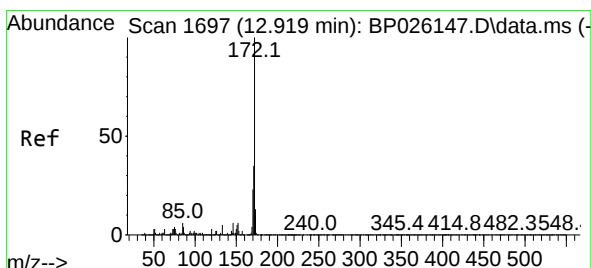
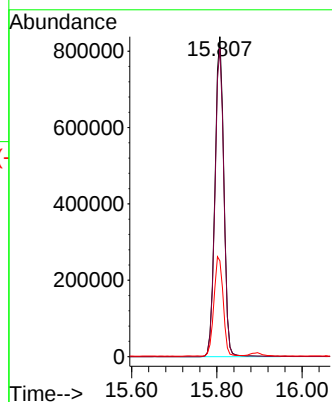
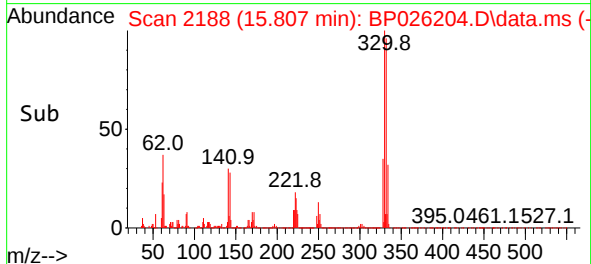
Instrument :
BNA_P
ClientSampleId :
MW5



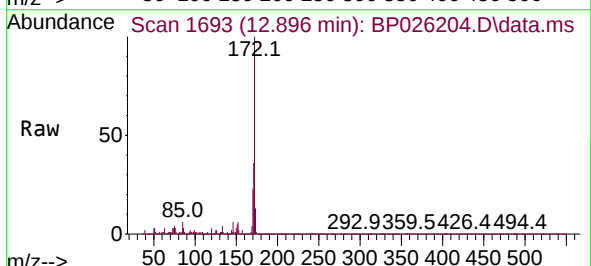
Tgt Ion: 330 Resp: 120728
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 32.3 26.8 40.2

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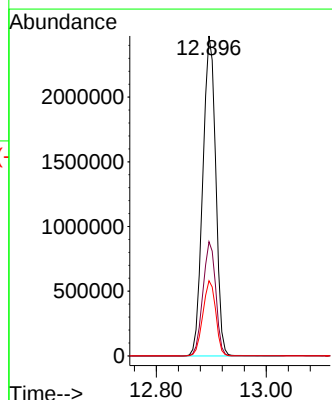
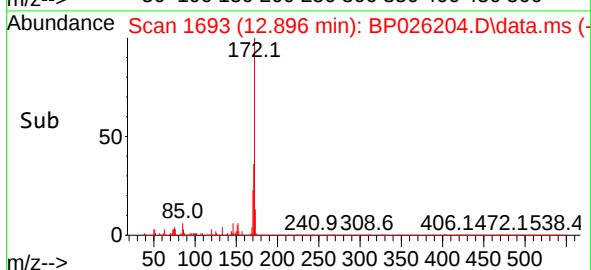
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

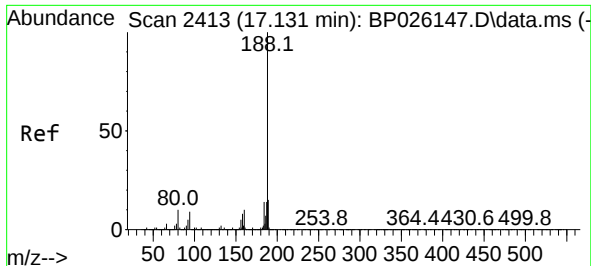


#45
2-Fluorobiphenyl
Concen: 91.352 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.035 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02



Tgt Ion: 172 Resp: 4036679
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.5 18.7 28.1





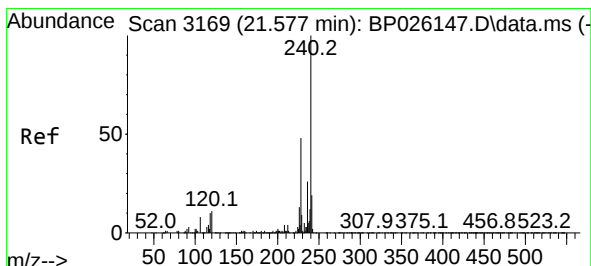
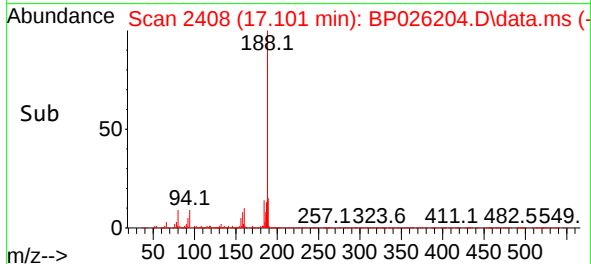
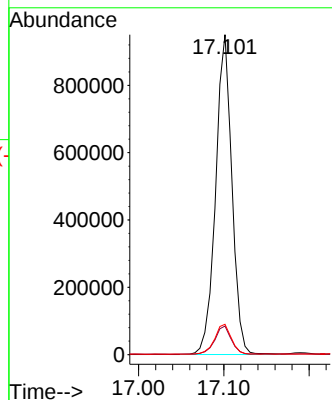
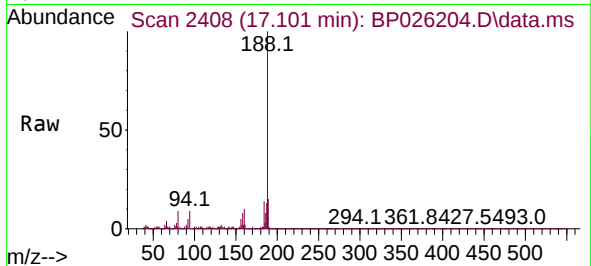
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.101 min Scan# 2413
Delta R.T. -0.029 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Instrument :
BNA_P
ClientSampleId :
MW5

Tgt Ion:188 Resp: 1258602
Ion Ratio Lower Upper
188 100
94 8.9 7.8 11.6
80 9.5 8.2 12.2

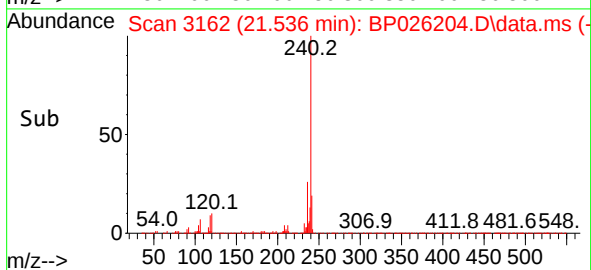
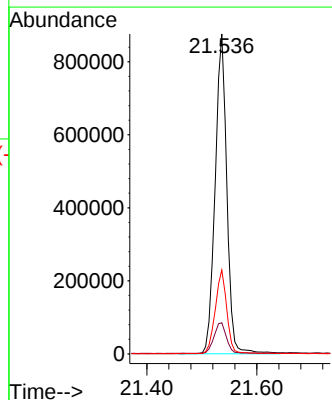
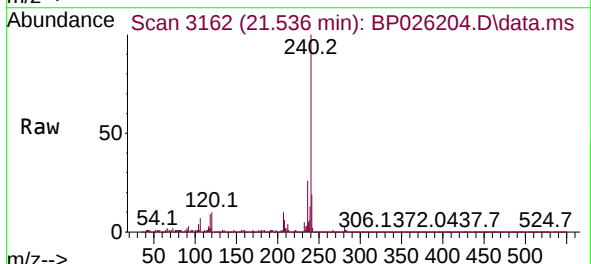
Manual Integrations
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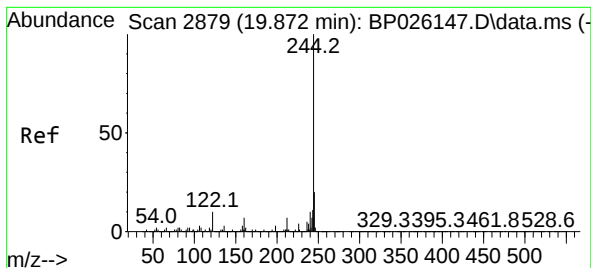
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.035 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:240 Resp: 1291488
Ion Ratio Lower Upper
240 100
120 9.7 9.0 13.4
236 26.2 20.4 30.6





#79

Terphenyl-d14

Concen: 90.135 ng

RT: 19.831 min Scan# 2872

Delta R.T. -0.041 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Instrument :

BNA_P

ClientSampleId :

MW5

Tgt Ion:244 Resp: 5708918

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

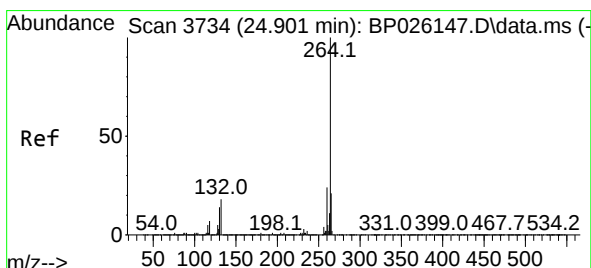
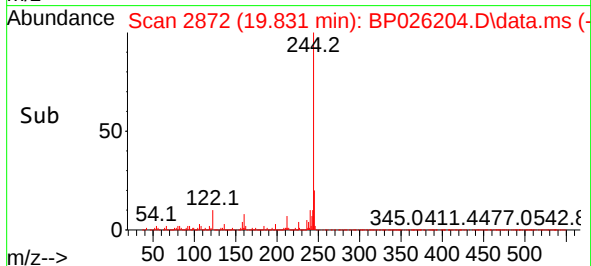
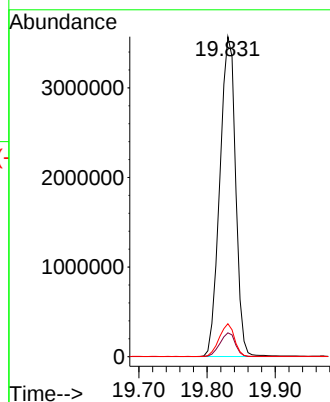
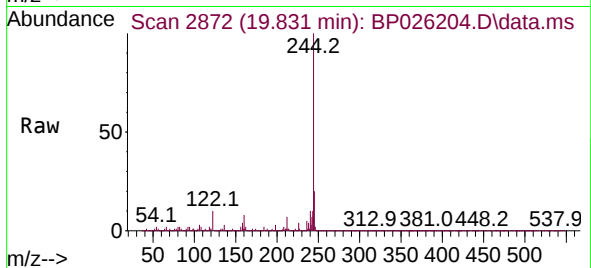
122 10.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.819 min Scan# 3720

Delta R.T. -0.088 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Tgt Ion:264 Resp: 1438482

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.0 17.5 26.3

