

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
 Data File : BP024128.D
 Acq On : 27 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1440-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-022625

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 00:13:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	438453	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1670092	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	983989	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1903621	20.000	ng	0.00
76) Chrysene-d12	21.651	240	2077266	20.000	ng	0.00
86) Perylene-d12	25.057	264	2484334	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	954966	33.985	ng	0.00
7) Phenol-d6	6.940	99	1195708	33.108	ng	0.00
23) Nitrobenzene-d5	8.905	82	683238	22.823	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	436589	36.223	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	1528075	21.710	ng	0.00
79) Terphenyl-d14	19.922	244	2359103	22.472	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.110	152	214354	2.517	ng	99
58) Fluorene	15.457	166	167547	2.408	ng	99
71) Phenanthrene	17.239	178	1486319	13.849	ng	99
72) Anthracene	17.328	178	475670	4.625	ng	99
75) Fluoranthene	19.322	202	2230218	18.372	ng	99
78) Pyrene	19.704	202	2102224	15.932	ng	99
81) Benzo(a)anthracene	21.627	228	1027829	7.891	ng	95
83) Chrysene	21.698	228	1042397	8.299	ng	97
87) Indeno(1,2,3-cd)pyrene	28.921	276	741462	4.195	ng	# 87
88) Benzo(b)fluoranthene	23.980	252	1343078	8.513	ng	# 91
89) Benzo(k)fluoranthene	24.045	252	532784m	3.470	ng	
90) Benzo(a)pyrene	24.886	252	1074734	8.027	ng	# 94
92) Benzo(g,h,i)perylene	30.115	276	751388m	4.983	ng	

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

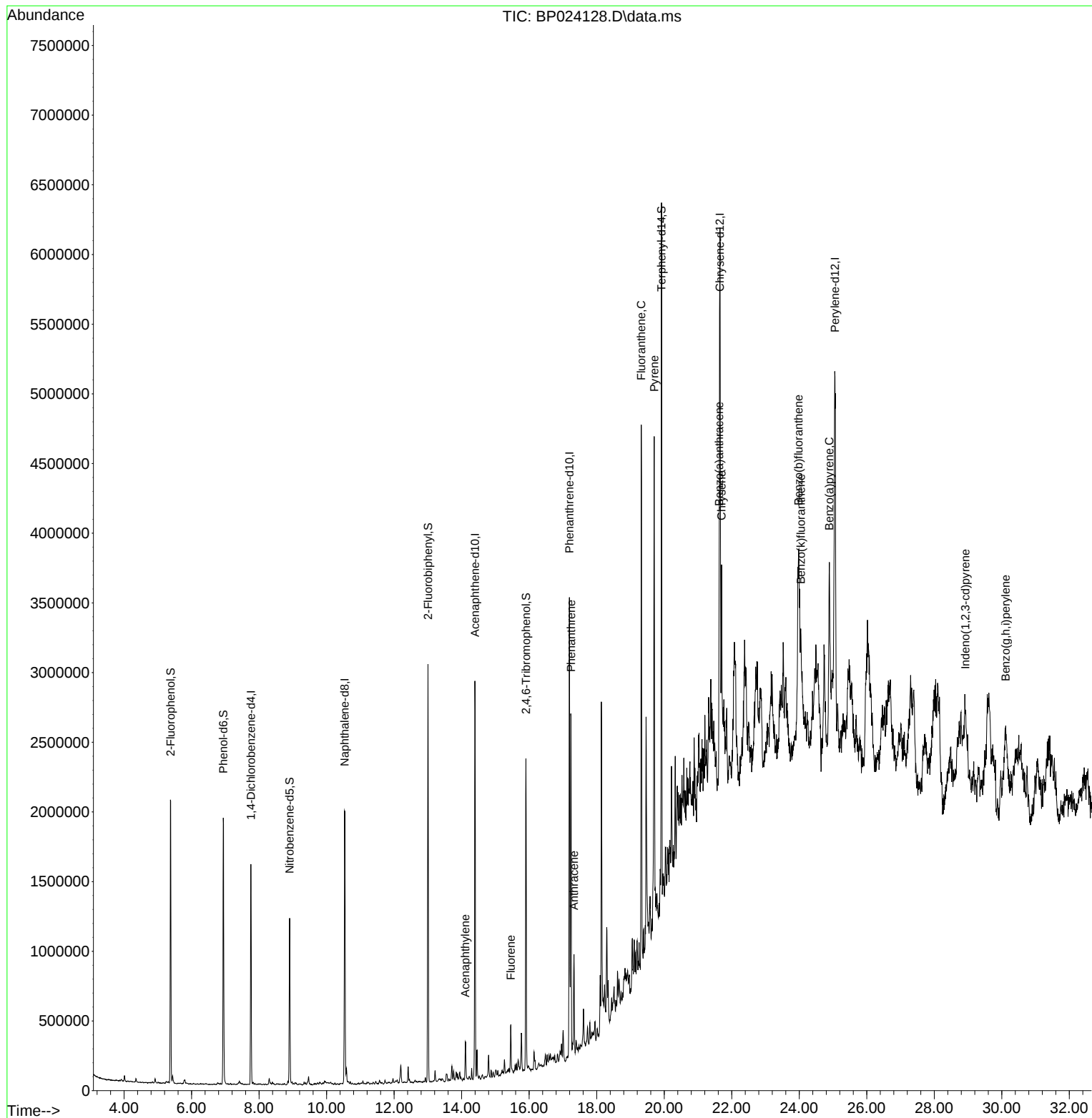
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
Data File : BP024128.D
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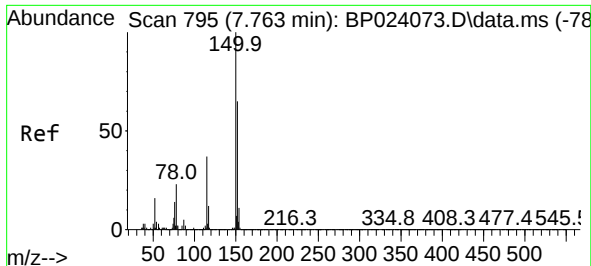
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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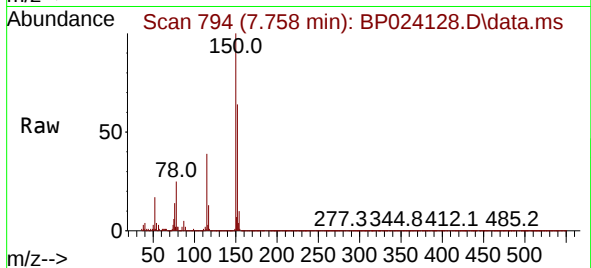
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

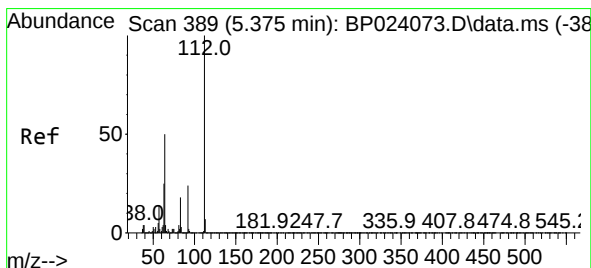
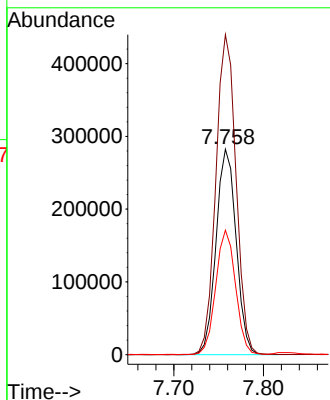
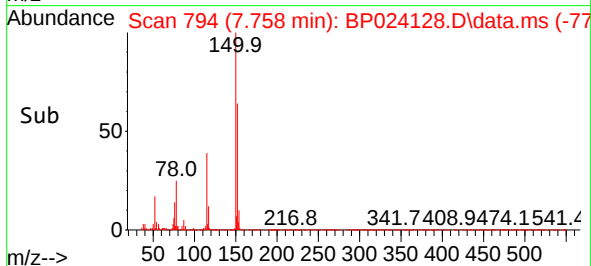
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



Tgt Ion:152 Resp: 43845
Ion Ratio Lower Upper
152 100
150 155.8 122.4 183.6
115 60.6 45.0 67.6

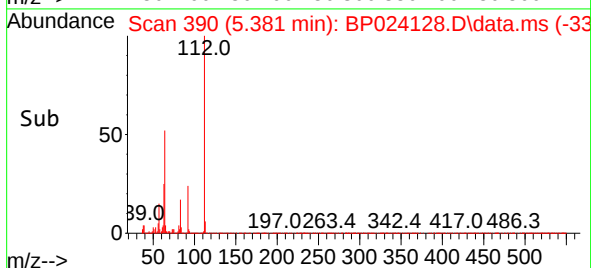
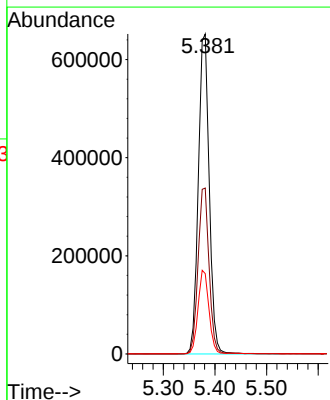
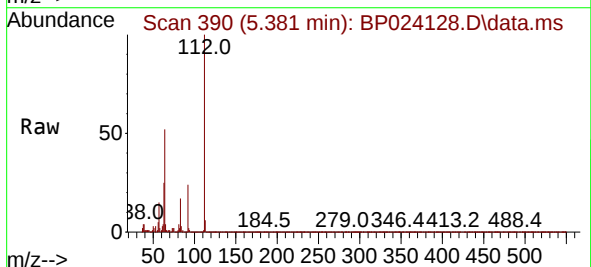
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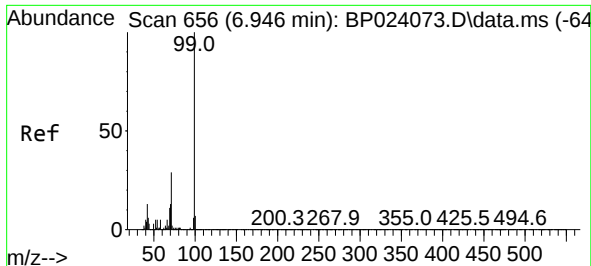
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#5
2-Fluorophenol
Concen: 33.985 ng
RT: 5.381 min Scan# 390
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

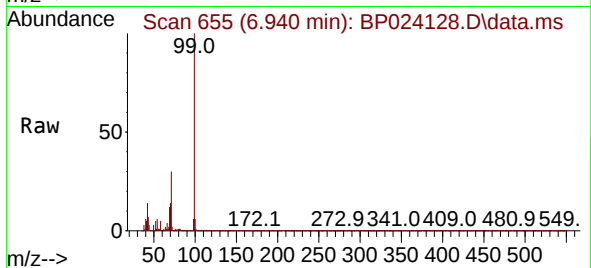
Tgt Ion:112 Resp: 954966
Ion Ratio Lower Upper
112 100
64 51.9 39.6 59.4
63 25.1 20.3 30.5





#7
Phenol-d6
Concen: 33.108 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

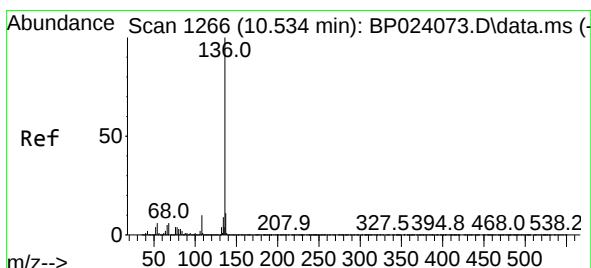
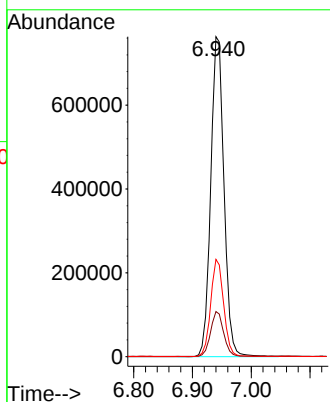
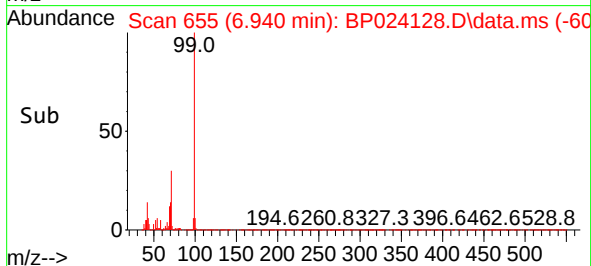
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



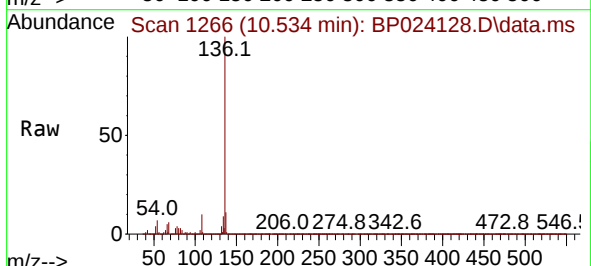
Tgt Ion: 99 Resp: 1195708
Ion Ratio Lower Upper
99 100
42 14.1 10.3 15.5
71 30.4 22.9 34.3

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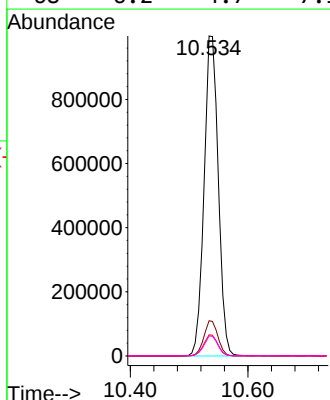
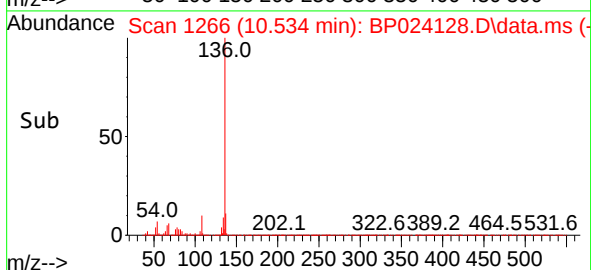
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

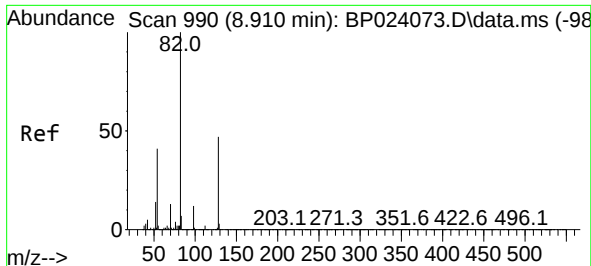


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38



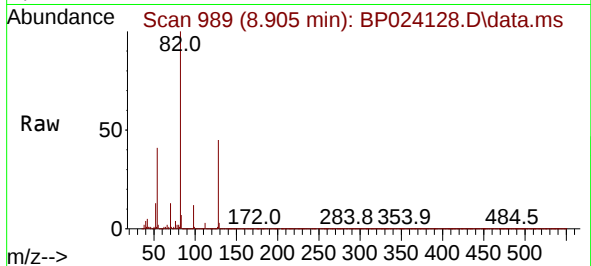
Tgt Ion:136 Resp: 1670092
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.6 4.9 7.3
68 6.2 4.7 7.1





#23
Nitrobenzene-d5
Concen: 22.823 ng
RT: 8.905 min Scan# 990
Delta R.T. -0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

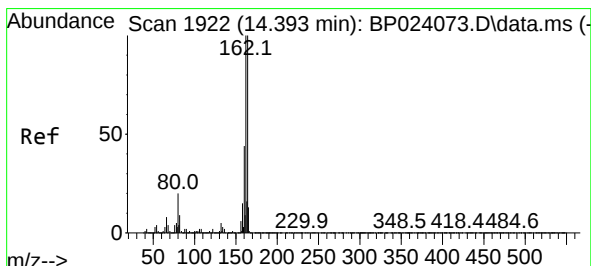
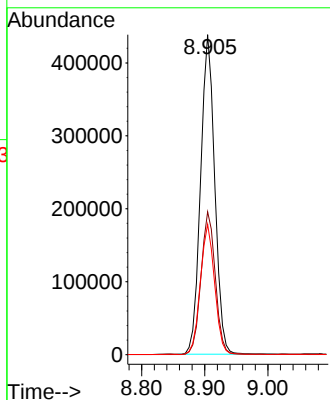
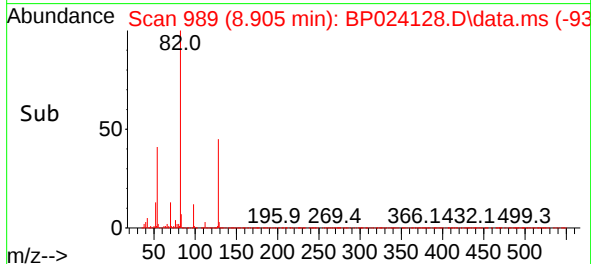
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



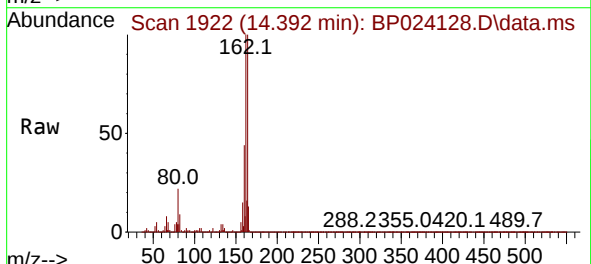
Tgt Ion: 82 Resp: 683238
Ion Ratio Lower Upper
82 100
128 44.7 37.4 56.2
54 40.7 32.4 48.6

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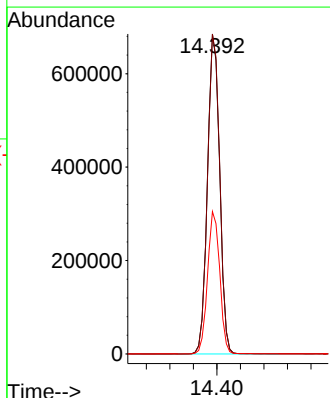
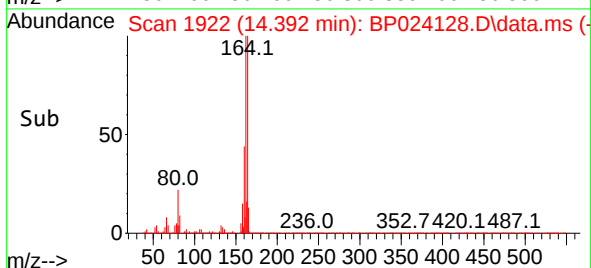
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

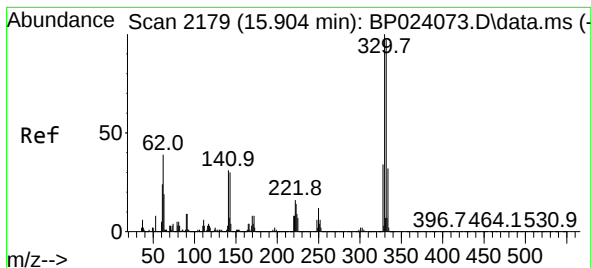


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38



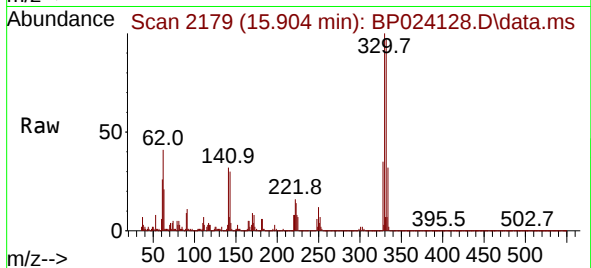
Tgt Ion:164 Resp: 983989
Ion Ratio Lower Upper
164 100
162 99.9 80.1 120.1
160 44.5 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 36.223 ng
RT: 15.904 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

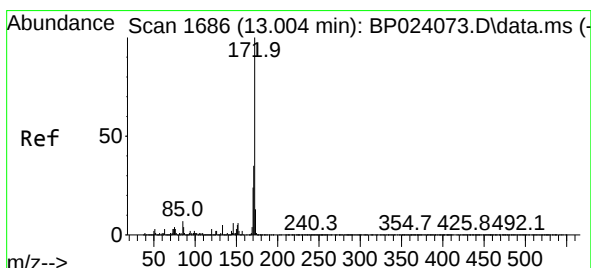
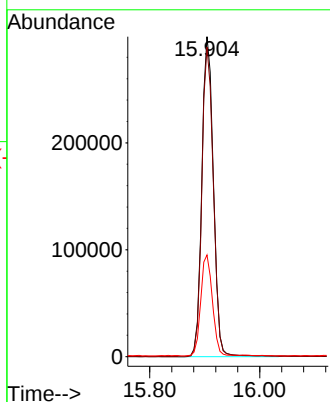
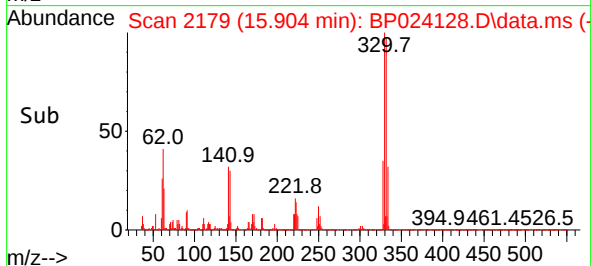
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



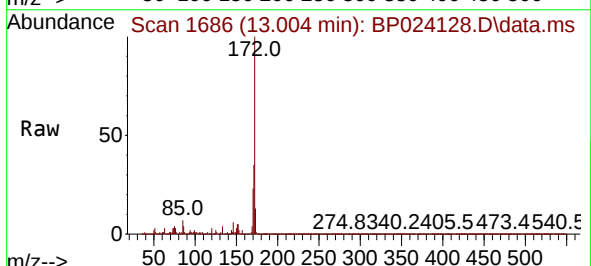
Tgt Ion:330 Resp: 436589
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 31.8 28.3 42.5

Manual Integrations
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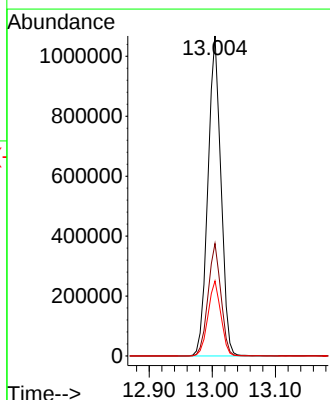
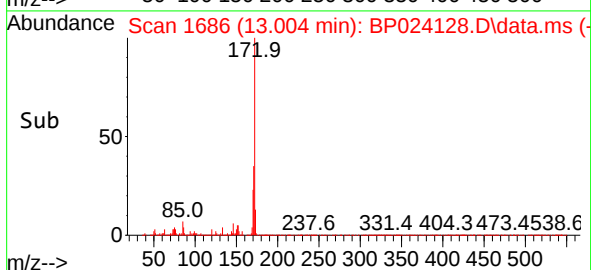
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

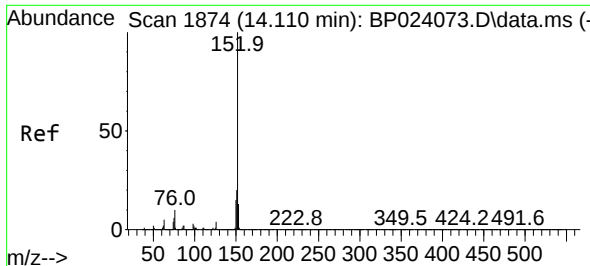


#45
2-Fluorobiphenyl
Concen: 21.710 ng
RT: 13.004 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38



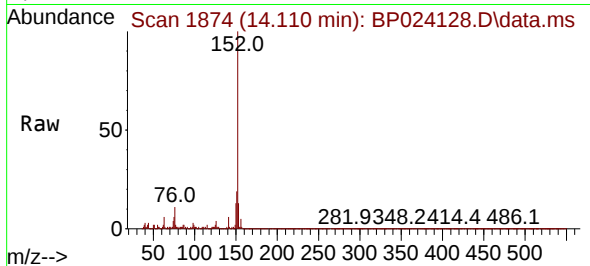
Tgt Ion:172 Resp: 1528075
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.5 19.0 28.6





#49
Acenaphthylene
Concen: 2.517 ng
RT: 14.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

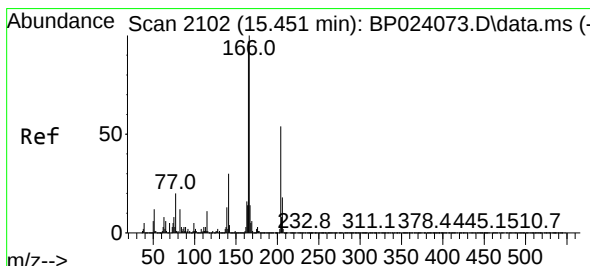
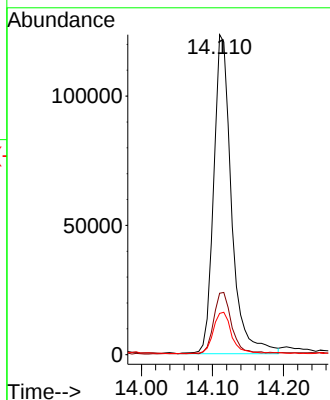
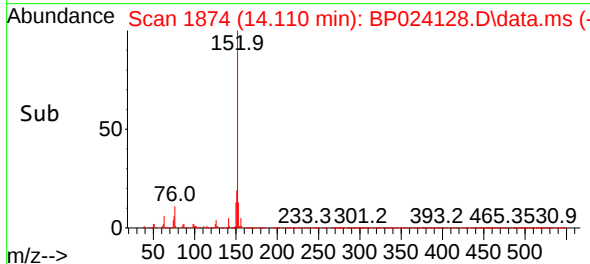
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



Tgt Ion:152 Resp: 214354
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.8
153 12.9 10.7 16.1

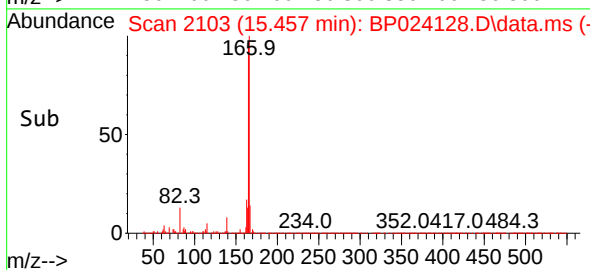
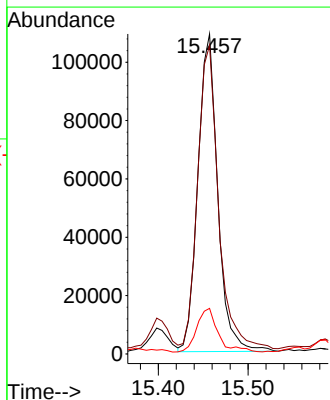
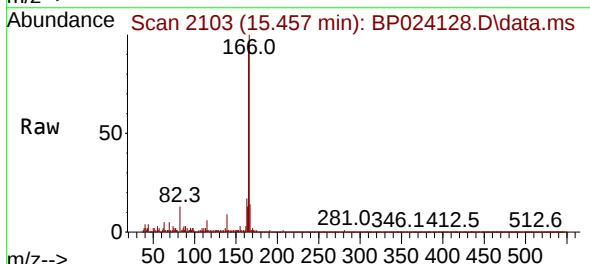
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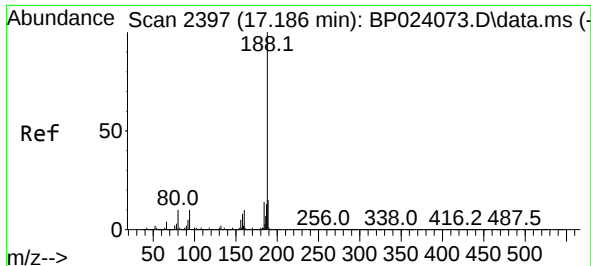
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#58
Fluorene
Concen: 2.408 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:166 Resp: 167547
Ion Ratio Lower Upper
166 100
165 96.5 77.5 116.3
167 14.2 10.9 16.3





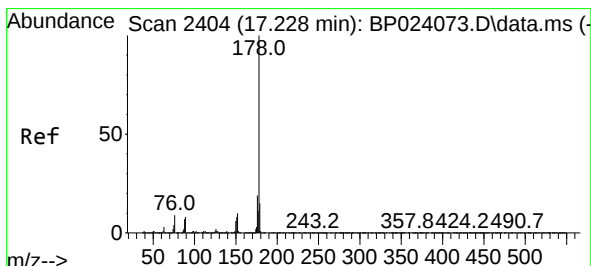
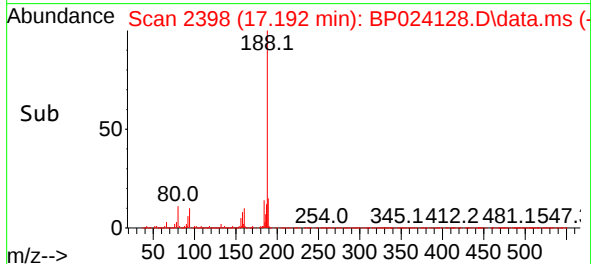
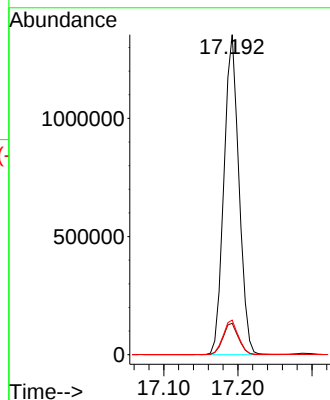
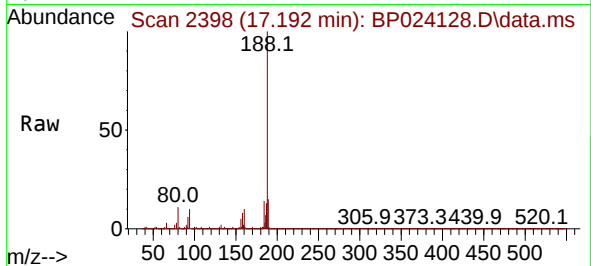
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Instrument :
BNA_P
ClientSampleId :
OR-02-022625

Tgt Ion:188 Resp: 190362
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 10.8 8.2 12.2

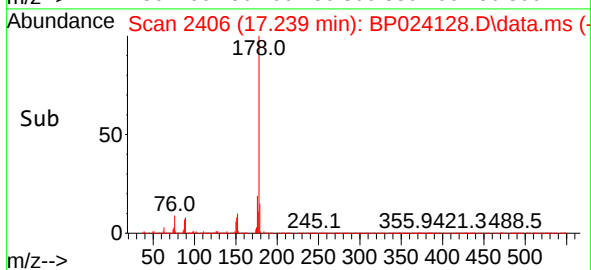
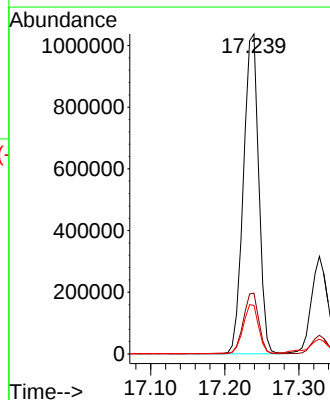
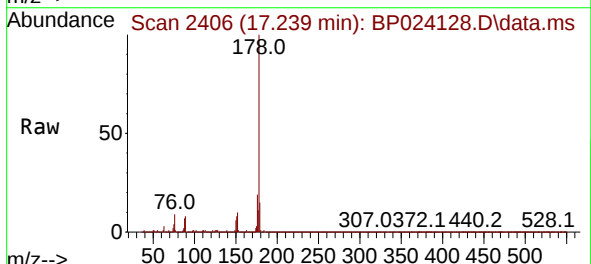
Manual Integrations
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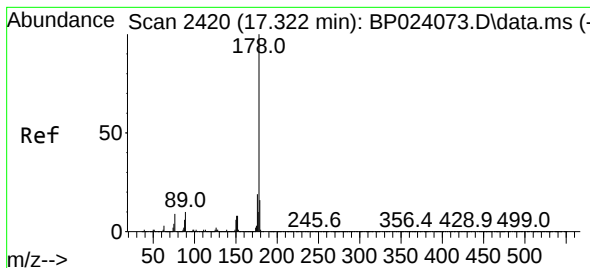
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#71
Phenanthrene
Concen: 13.849 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:178 Resp: 1486319
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.4 18.6





#72

Anthracene

Concen: 4.625 ng

RT: 17.328 min Scan# 2420

Delta R.T. 0.006 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Instrument :

BNA_P

ClientSampleId :

OR-02-022625

Tgt Ion:178 Resp: 475670

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

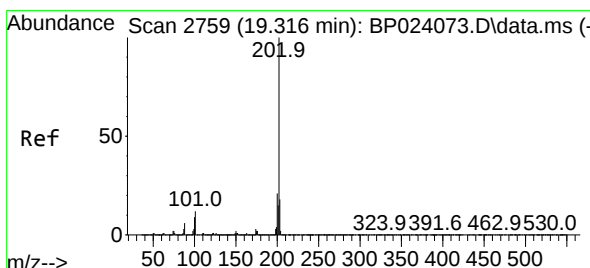
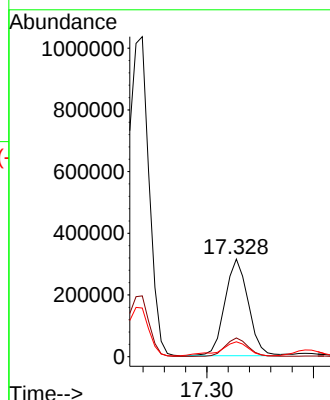
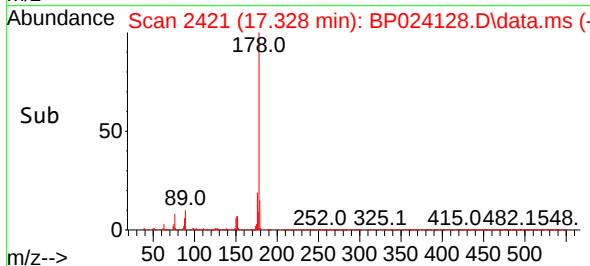
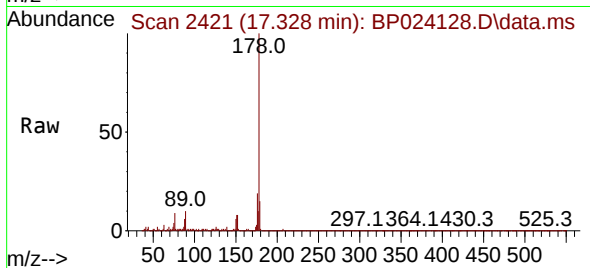
179 15.3 12.6 19.0

Manual Integrations

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Supervised By :mohammad ahmed 02/28/2025



#75

Fluoranthene

Concen: 18.372 ng

RT: 19.322 min Scan# 2760

Delta R.T. 0.006 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

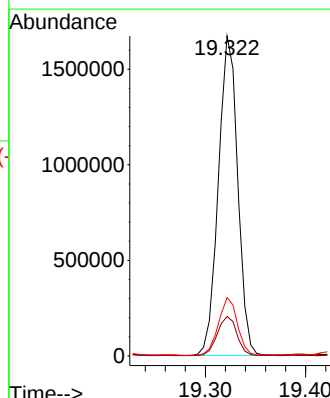
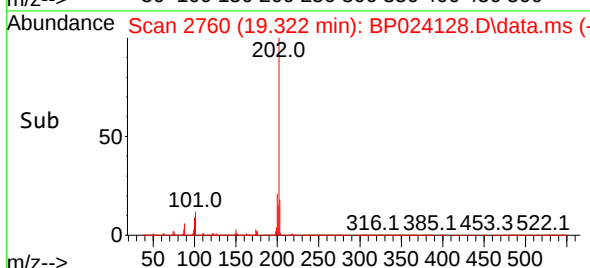
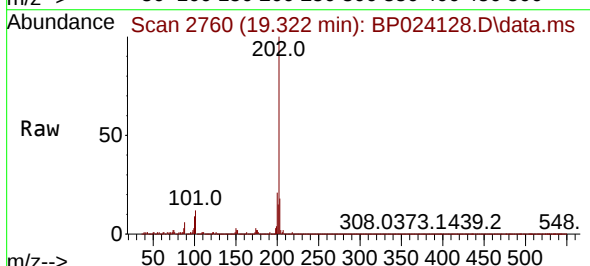
Tgt Ion:202 Resp: 2230218

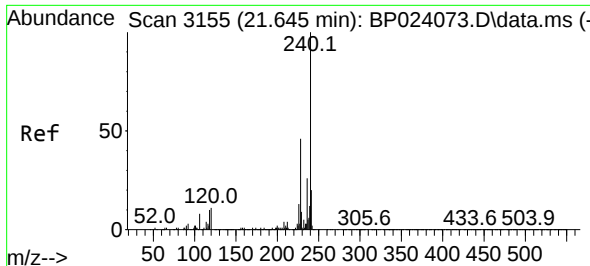
Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.9

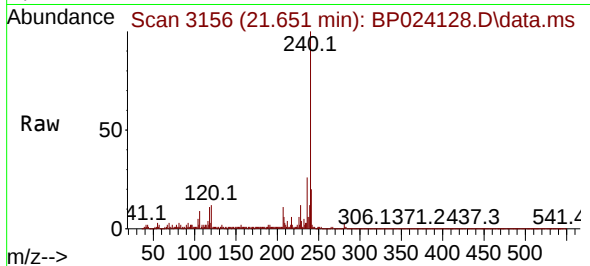
203 18.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3155
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

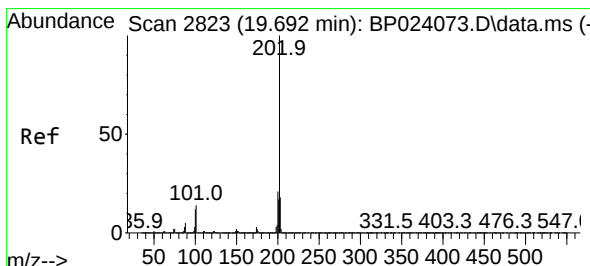
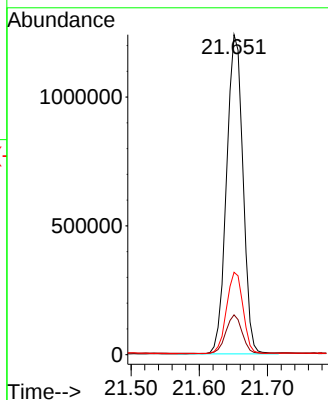
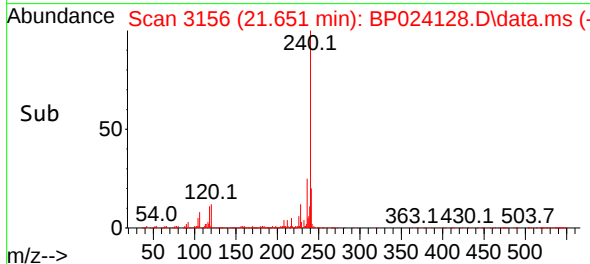
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



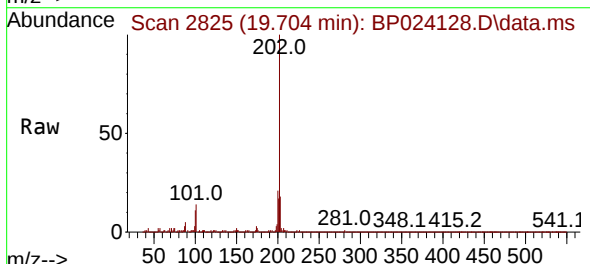
Tgt Ion:240 Resp: 2077260
Ion Ratio Lower Upper
240 100
120 12.5 8.9 13.3
236 25.7 20.7 31.1

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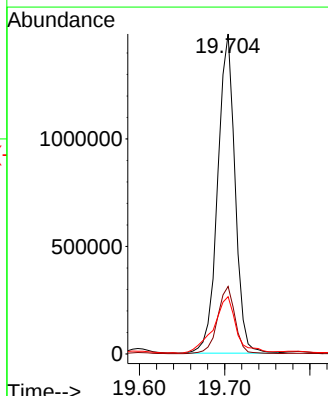
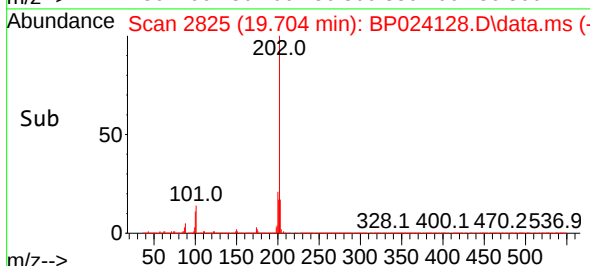
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

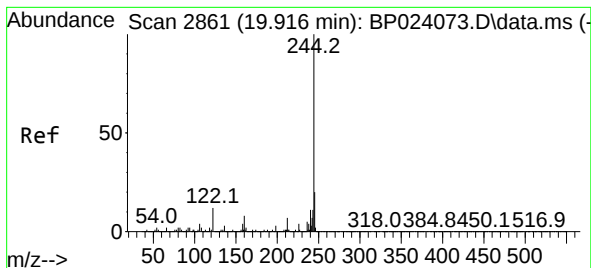


#78
Pyrene
Concen: 15.932 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.012 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38



Tgt Ion:202 Resp: 2102224
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 22.472 ng

RT: 19.922 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Instrument :

BNA_P

ClientSampleId :

OR-02-022625

Tgt Ion:244 Resp: 235910

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

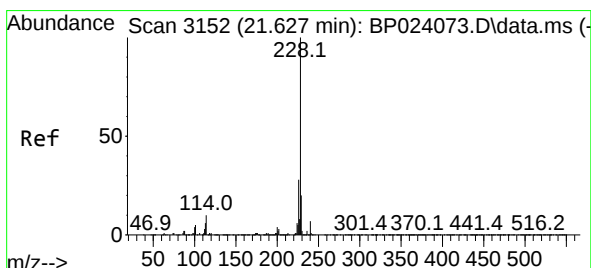
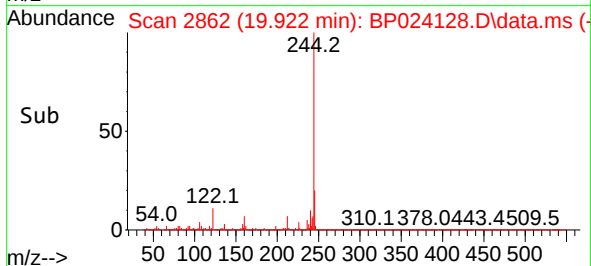
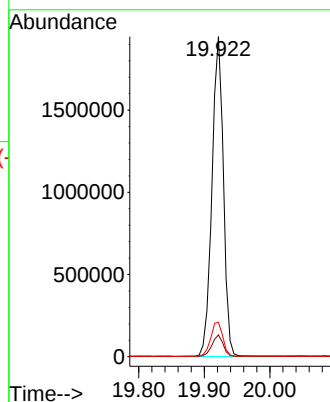
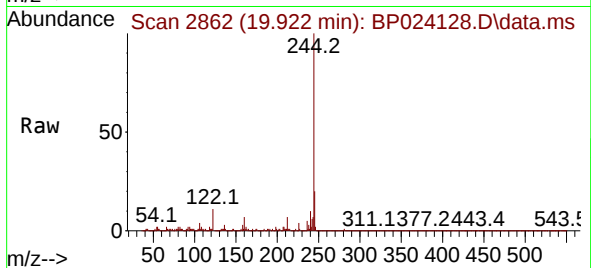
122 10.8 9.4 14.2

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#81

Benzo(a)anthracene

Concen: 7.891 ng

RT: 21.627 min Scan# 3152

Delta R.T. -0.000 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

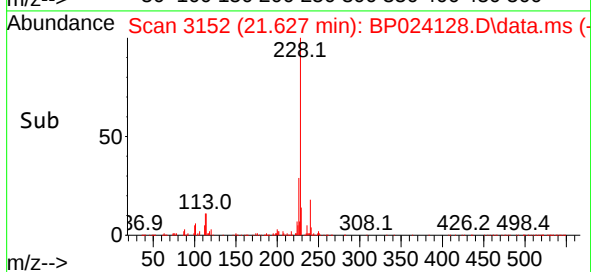
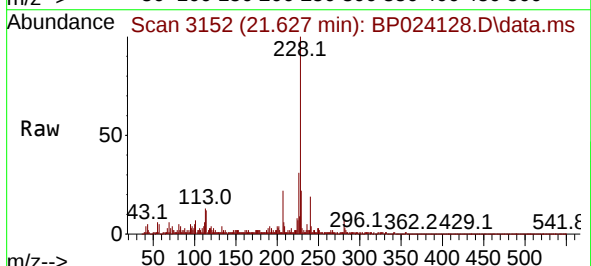
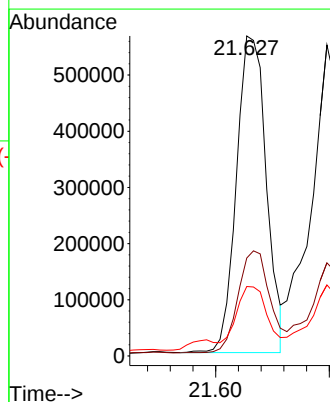
Tgt Ion:228 Resp: 1027829

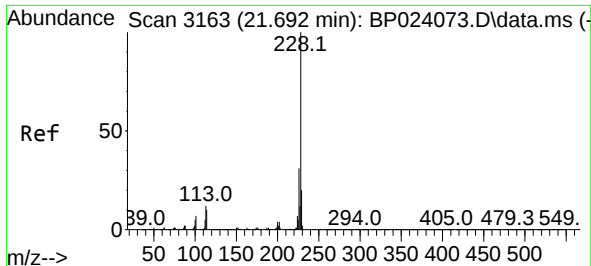
Ion Ratio Lower Upper

228 100

226 30.6 22.2 33.4

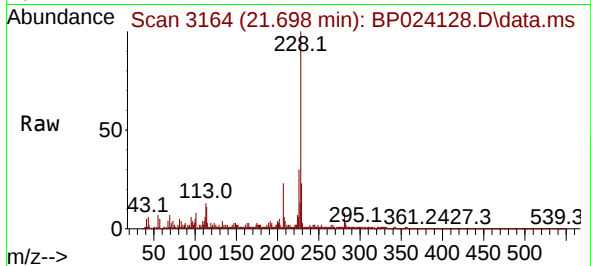
229 21.7 15.8 23.8





#83
Chrysene
Concen: 8.299 ng
RT: 21.698 min Scan# 3163
Delta R.T. 0.006 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

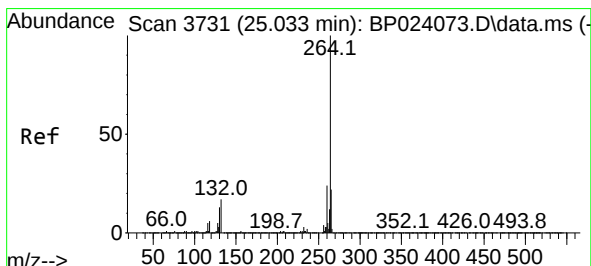
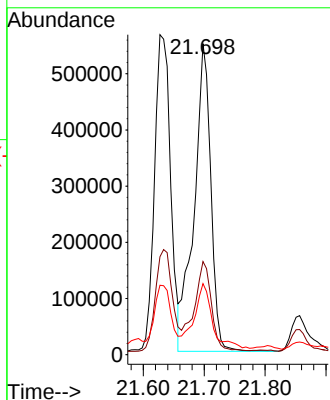
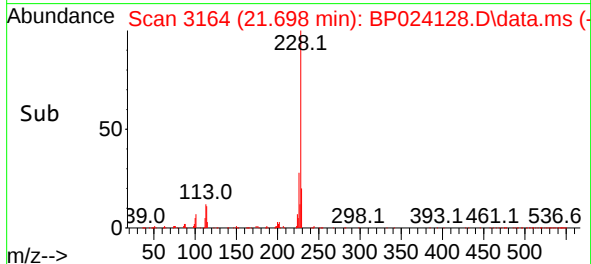
Instrument :
BNA_P
ClientSampleId :
OR-02-022625



Tgt Ion:228 Resp: 104239
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 22.9 16.1 24.1

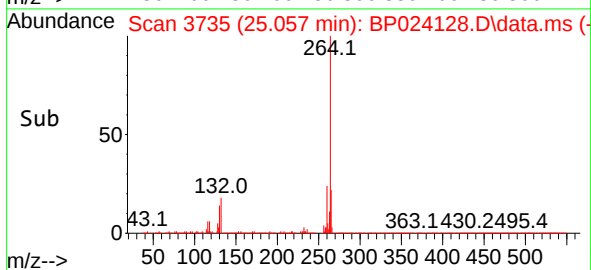
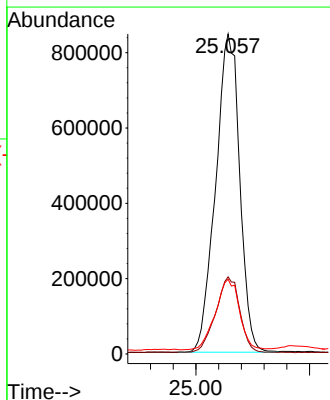
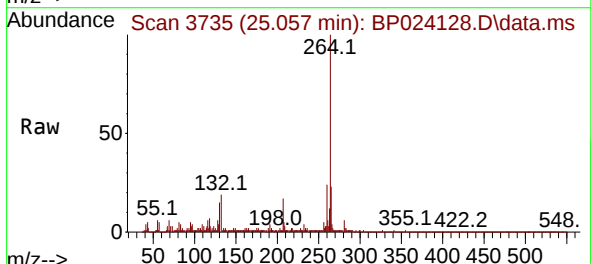
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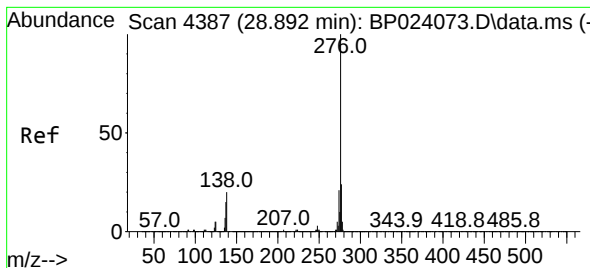
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.057 min Scan# 3735
Delta R.T. 0.023 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Tgt Ion:264 Resp: 2484334
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 23.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.195 ng

RT: 28.921 min Scan# 41

Delta R.T. 0.029 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

Instrument :

BNA_P

ClientSampleId :

OR-02-022625

Tgt Ion:276 Resp: 741462

Ion Ratio Lower Upper

276 100

138 23.7 14.2 21.4

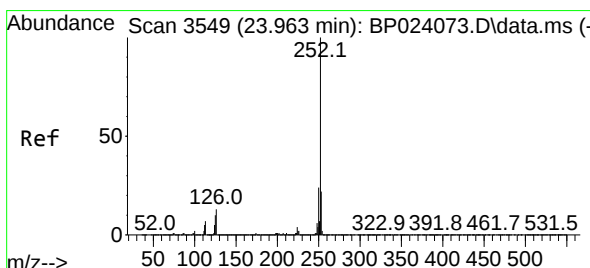
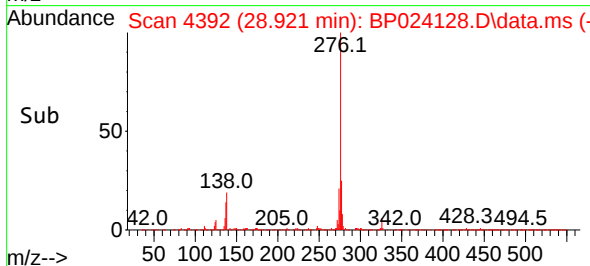
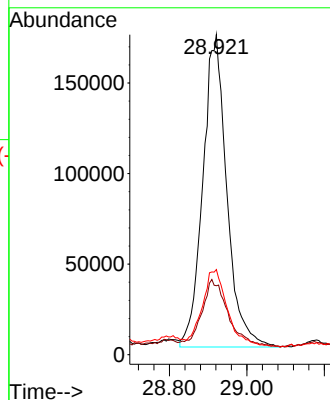
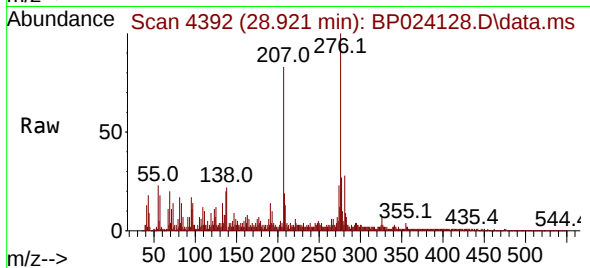
277 26.5 16.2 24.4

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#88

Benzo(b)fluoranthene

Concen: 8.513 ng

RT: 23.980 min Scan# 3552

Delta R.T. 0.018 min

Lab File: BP024128.D

Acq: 27 Feb 2025 20:38

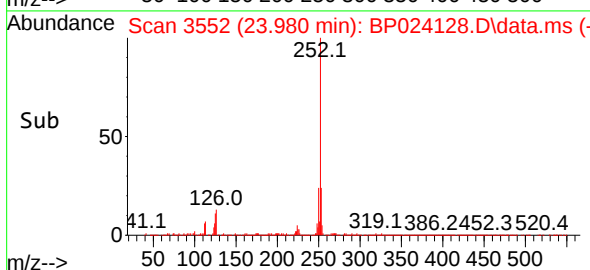
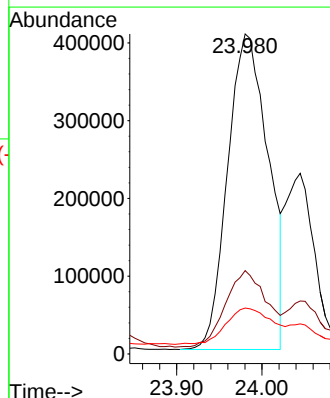
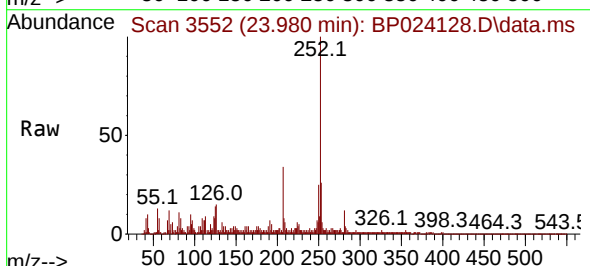
Tgt Ion:252 Resp: 1343078

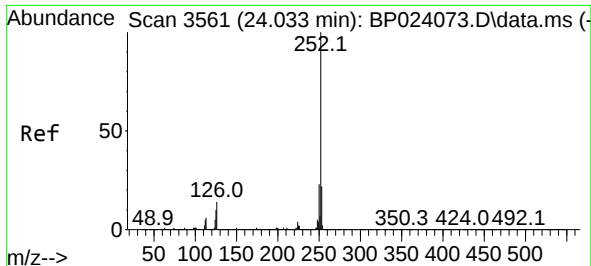
Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.6

125 14.4 8.4 12.6





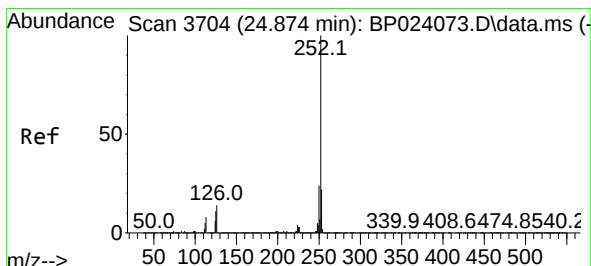
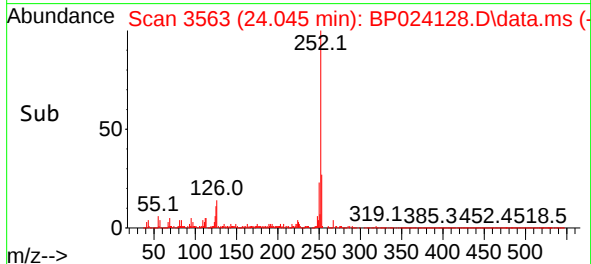
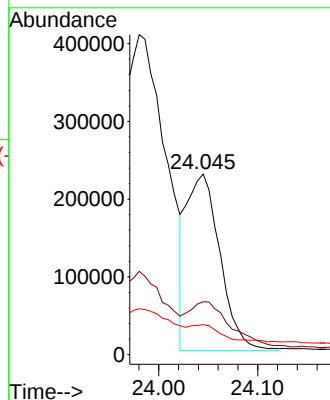
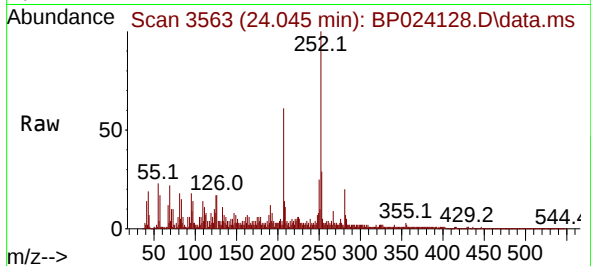
#89
Benzo(k)fluoranthene
Concen: 3.470 ng m
RT: 24.045 min Scan# 3561
Delta R.T. 0.012 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

Instrument :
BNA_P
ClientSampleId :
OR-02-022625

Tgt Ion:252 Resp: 532784
Ion Ratio Lower Upper
252 100
253 29.3 17.8 26.6
125 16.7 8.1 12.1

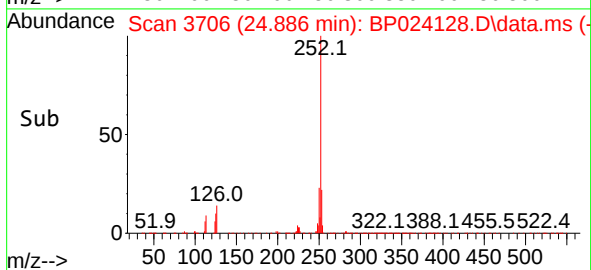
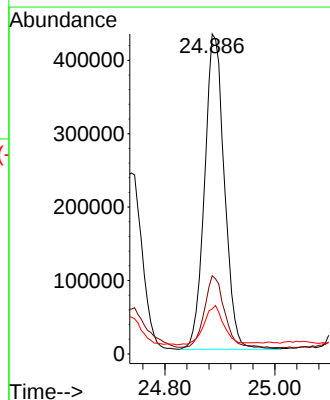
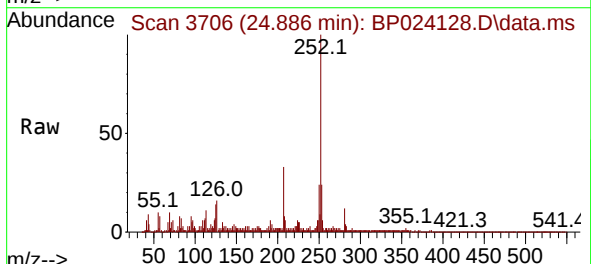
Manual Integrations
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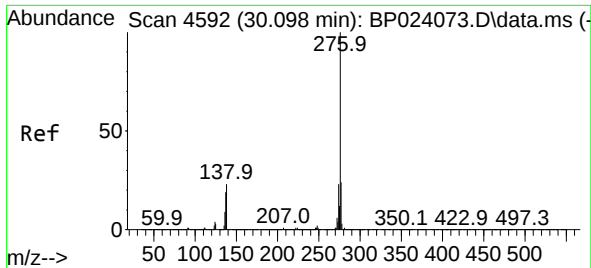
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#90
Benzo(a)pyrene
Concen: 8.027 ng
RT: 24.886 min Scan# 3706
Delta R.T. 0.012 min
Lab File: BP024128.D
Acq: 27 Feb 2025 20:38

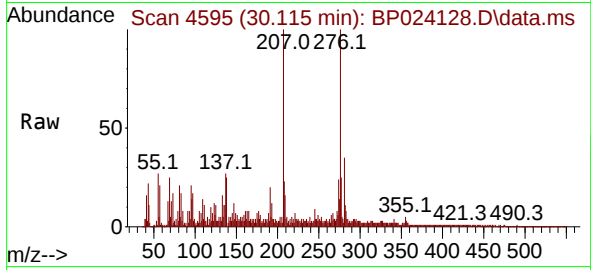
Tgt Ion:252 Resp: 1074734
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 14.1 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.983 ng m
 RT: 30.115 min Scan# 4595
 Delta R.T. 0.018 min
 Lab File: BP024128.D
 Acq: 27 Feb 2025 20:38

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-022625



Tgt Ion: 276 Resp: 75138
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.9 28.3
 138 25.2 18.1 27.1

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
 Supervised By :mohammad ahmed 02/28/2025

