

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025441.D
 Acq On : 16 Aug 2025 01:55
 Operator : CG/JU
 Sample : Q2732-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A7-01-C

Quant Time: Aug 18 01:39:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

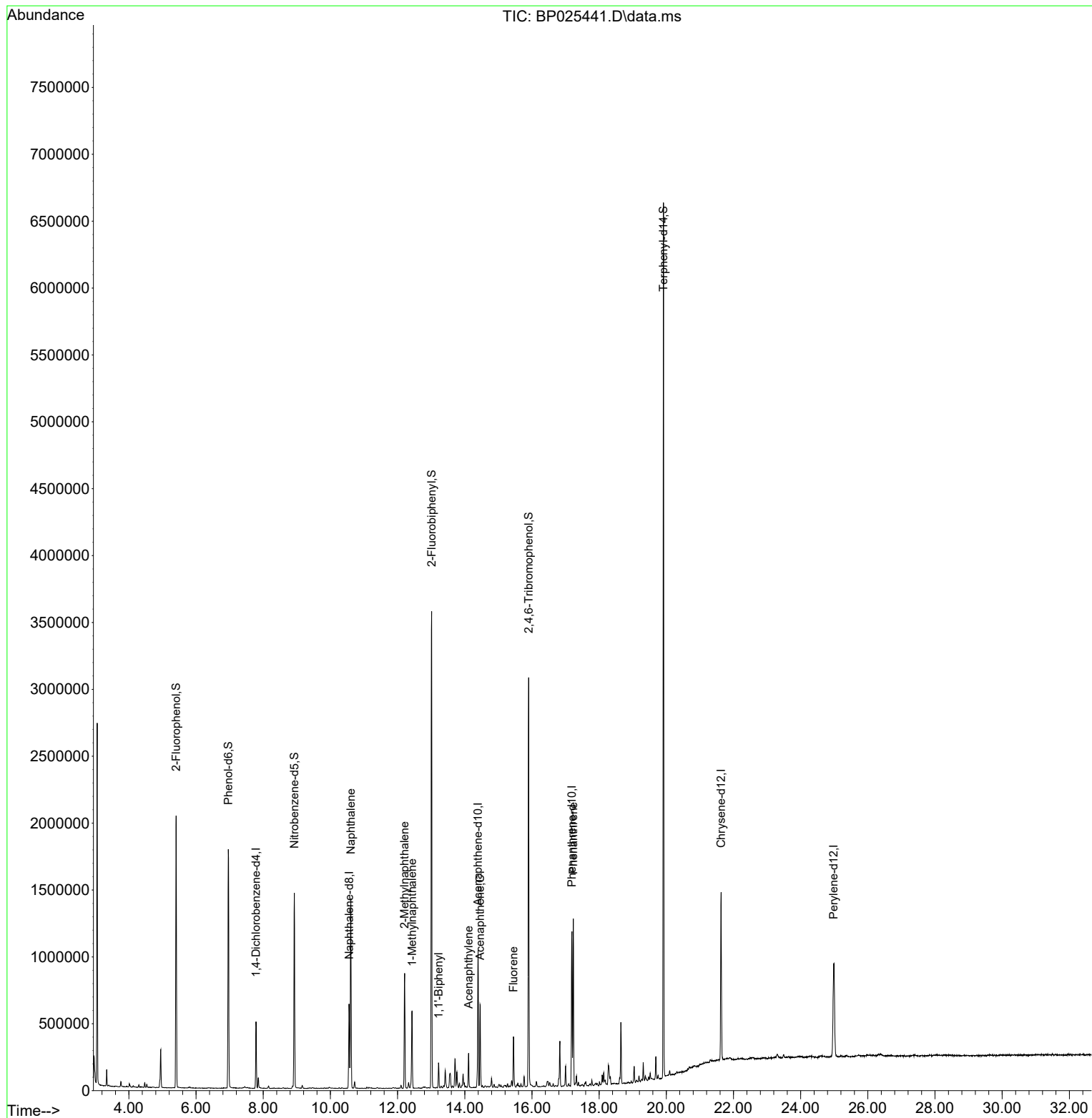
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	132149	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	532347	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	351260	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	726268	20.000	ng	-0.01
76) Chrysene-d12	21.630	240	752195	20.000	ng	-0.02
86) Perylene-d12	24.983	264	794612	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	880839	110.694	ng	0.00
7) Phenol-d6	6.960	99	1056336	103.541	ng	0.00
23) Nitrobenzene-d5	8.925	82	796849	75.719	ng	-0.01
42) 2,4,6-Tribromophenol	15.901	330	573137	121.222	ng	-0.01
45) 2-Fluorobiphenyl	13.013	172	1818218	70.743	ng	0.00
79) Terphenyl-d14	19.913	244	3088521	75.122	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.607	128	1125914	40.692	ng	100
37) 2-Methylnaphthalene	12.207	142	409089	22.719	ng	97
38) 1-Methylnaphthalene	12.431	142	289949	15.142	ng	99
46) 1,1'-Biphenyl	13.219	154	95081	3.727	ng	99
49) Acenaphthylene	14.113	152	127162	3.870	ng	96
52) Acenaphthene	14.454	154	233746	12.118	ng	98
58) Fluorene	15.448	166	174831	7.265	ng	100
71) Phenanthrene	17.230	178	770332	19.308	ng	99

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

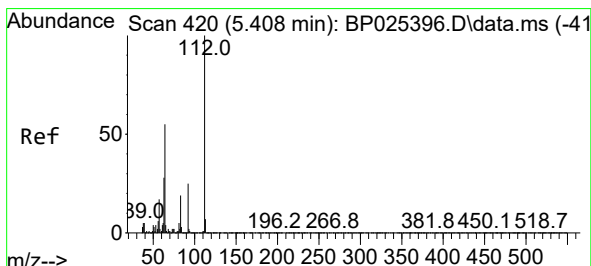
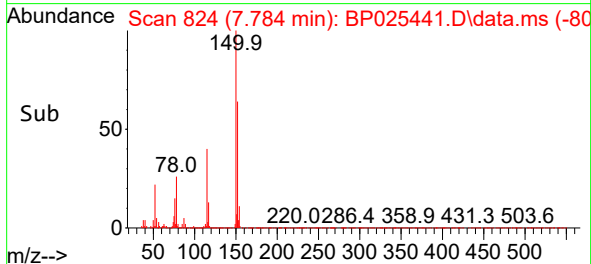
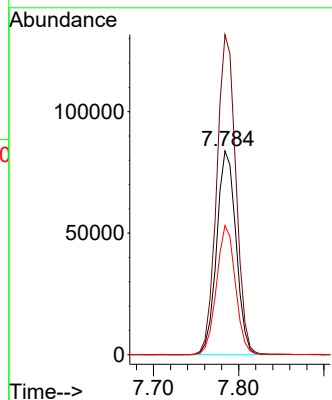
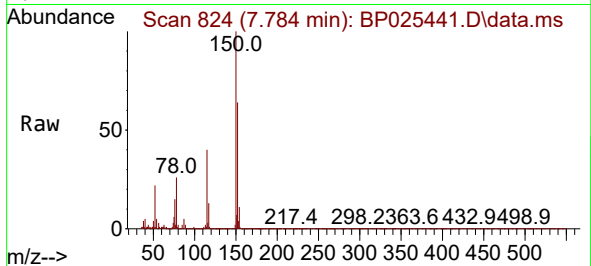




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

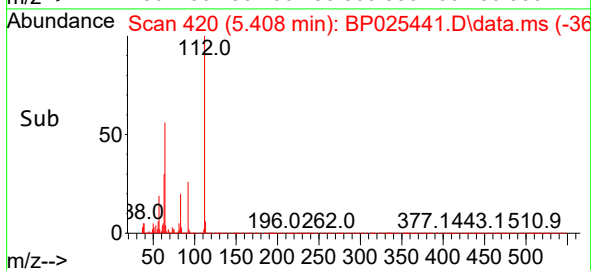
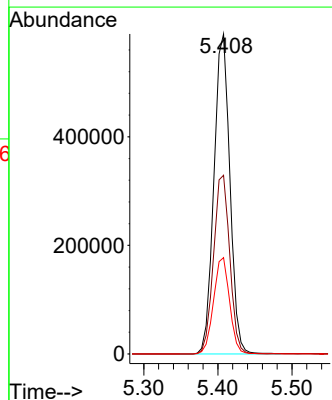
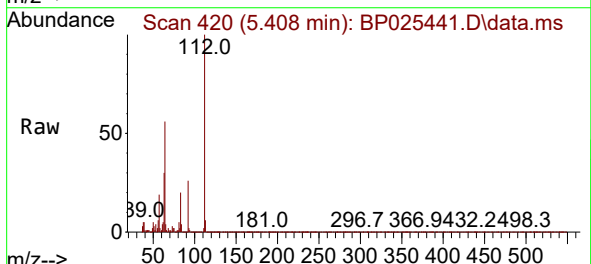
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

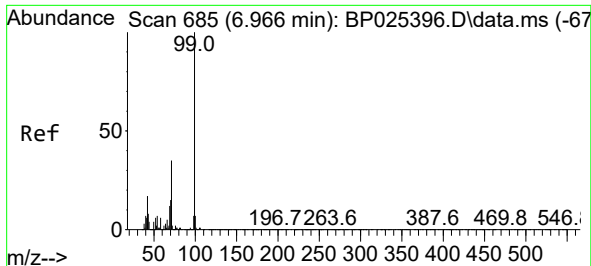
Tgt Ion:152 Resp: 132149
Ion Ratio Lower Upper
152 100
150 157.2 125.9 188.9
115 63.4 48.5 72.7



#5
2-Fluorophenol
Concen: 110.694 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:112 Resp: 880839
Ion Ratio Lower Upper
112 100
64 55.9 43.8 65.8
63 30.1 22.7 34.1

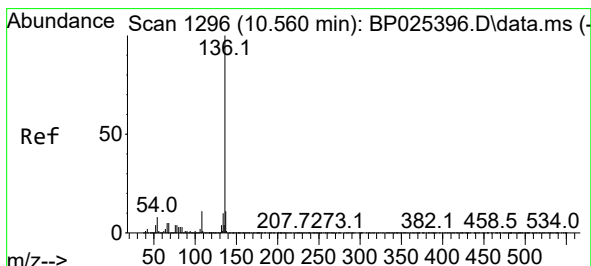
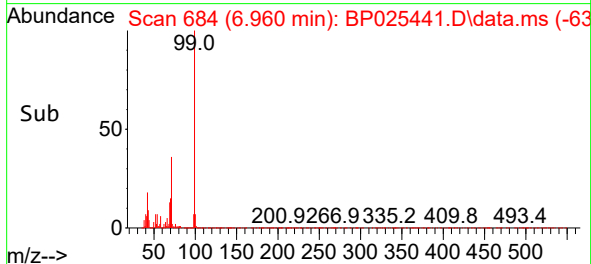
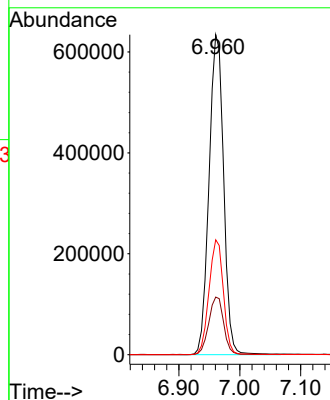
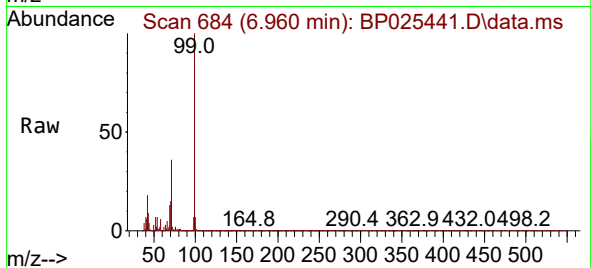




#7
Phenol-d6
Concen: 103.541 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

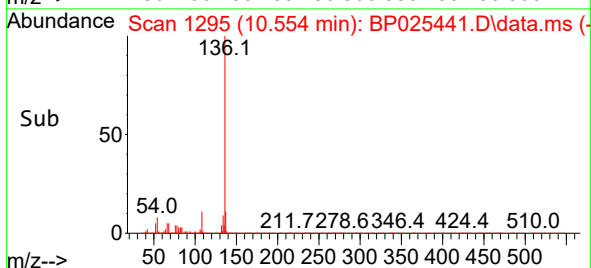
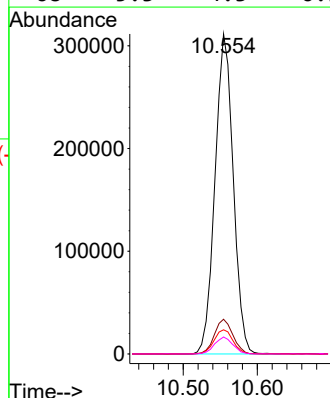
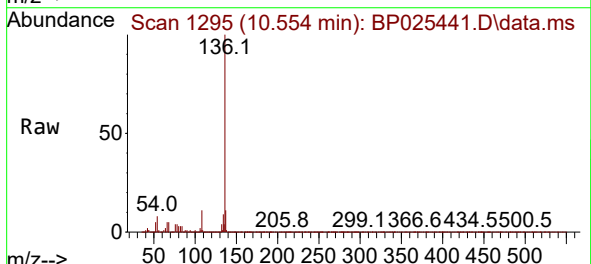
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

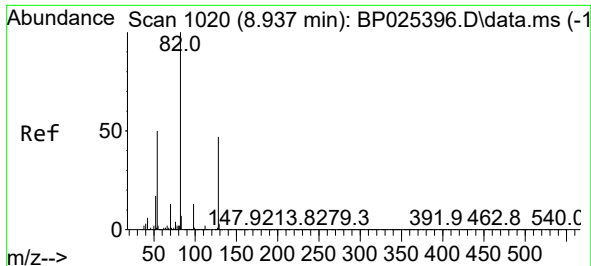
Tgt Ion: 99 Resp: 1056336
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 35.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion: 136 Resp: 532347
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.5 6.0 9.0
68 5.3 4.3 6.5

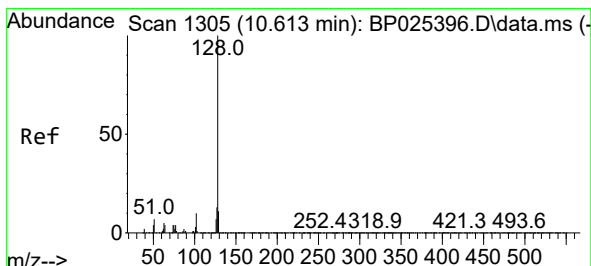
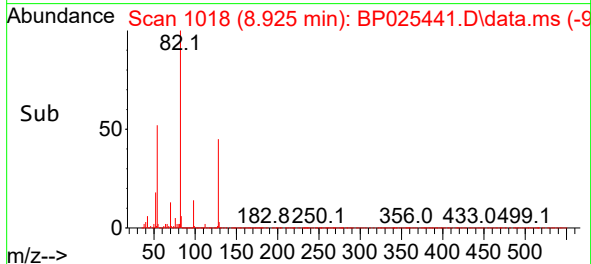
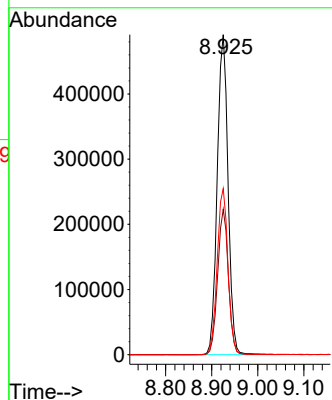
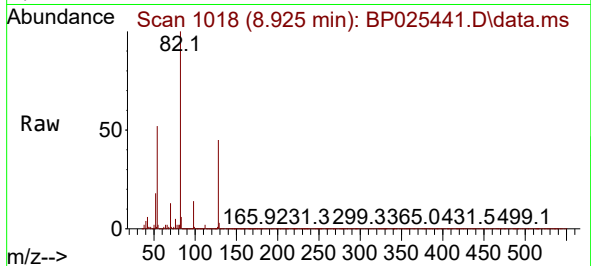




#23
Nitrobenzene-d5
Concen: 75.719 ng
RT: 8.925 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

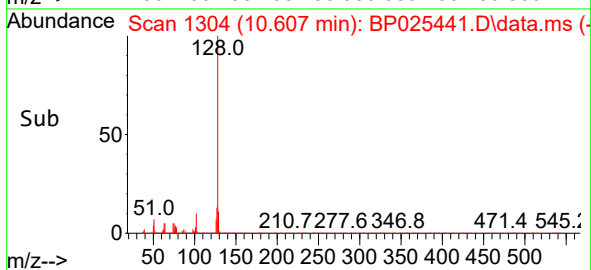
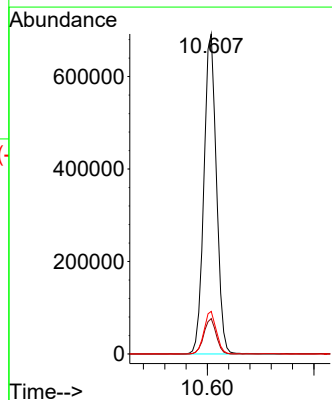
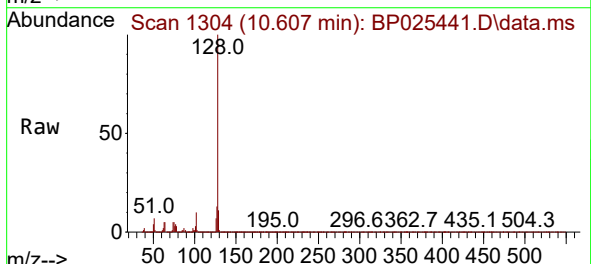
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

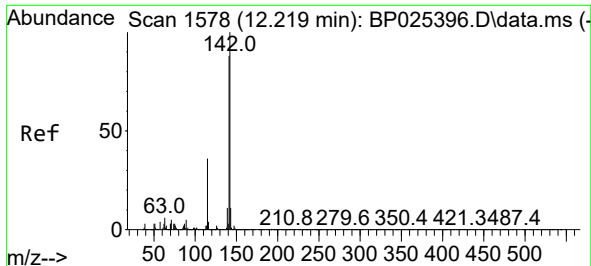
Tgt Ion: 82 Resp: 796849
Ion Ratio Lower Upper
82 100
128 45.4 37.7 56.5
54 51.9 39.8 59.6



#31
Naphthalene
Concen: 40.692 ng
RT: 10.607 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion: 128 Resp: 1125914
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.3 10.7 16.1

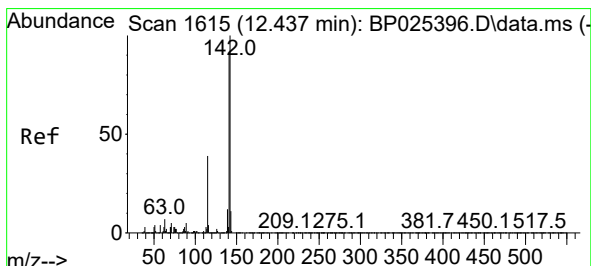
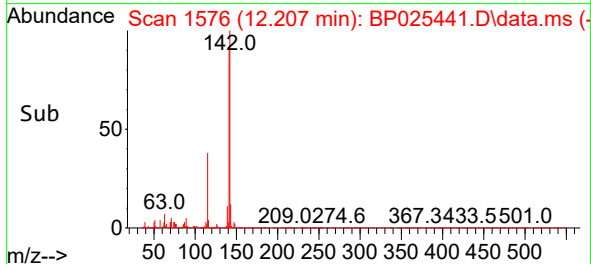
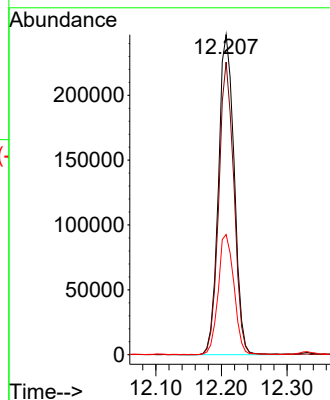
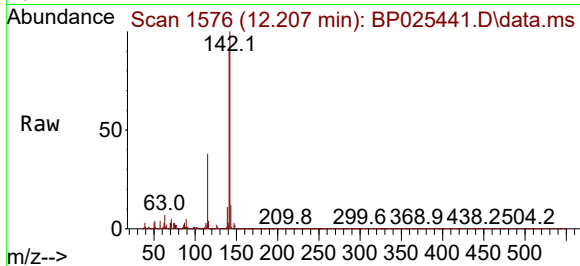




#37
2-Methylnaphthalene
Concen: 22.719 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

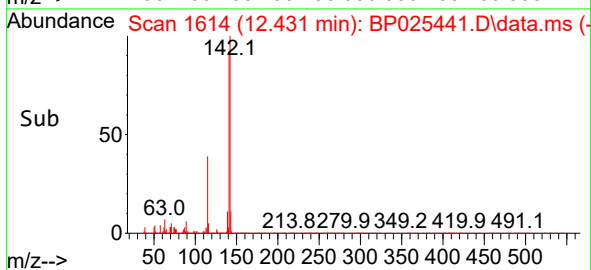
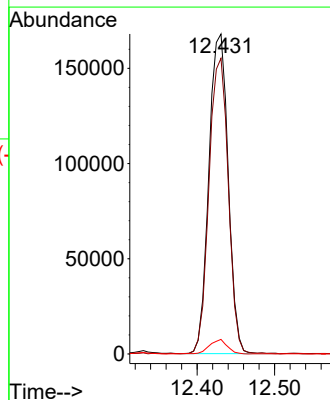
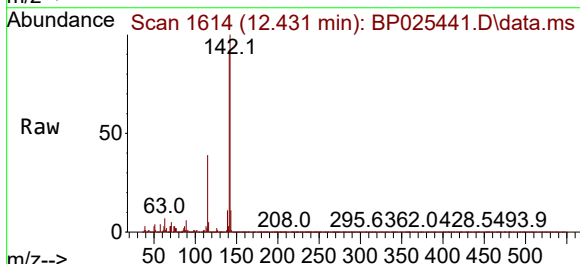
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

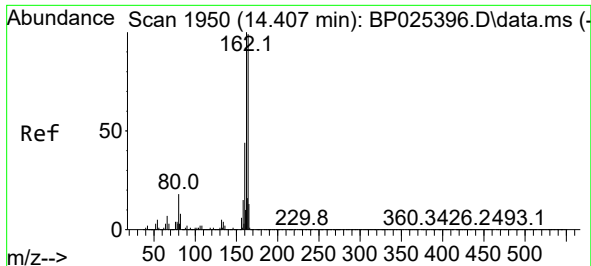
Tgt Ion:142 Resp: 409089
Ion Ratio Lower Upper
142 100
141 91.5 70.3 105.5
115 37.6 28.9 43.3



#38
1-Methylnaphthalene
Concen: 15.142 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:142 Resp: 289949
Ion Ratio Lower Upper
142 100
141 92.4 73.1 109.7
116 4.5 3.2 4.8

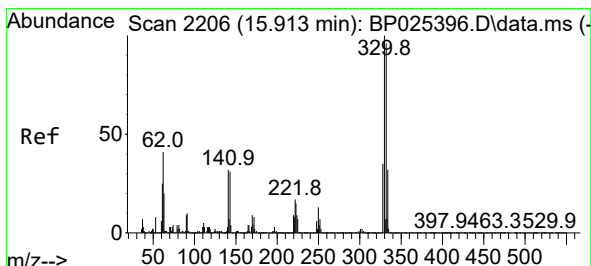
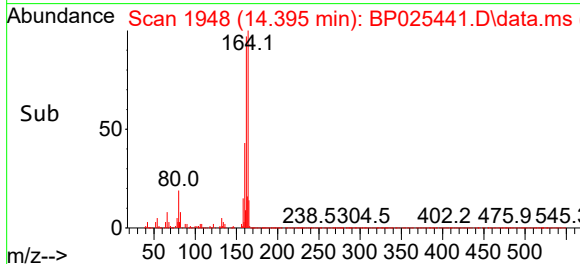
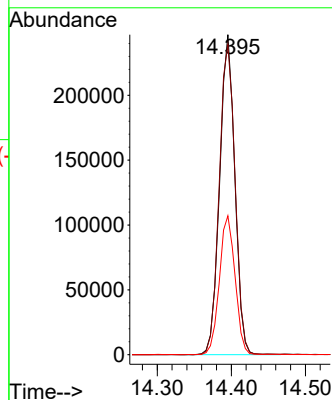
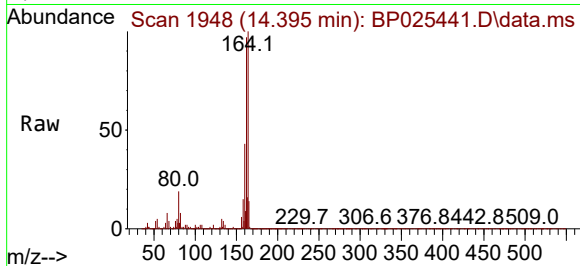




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

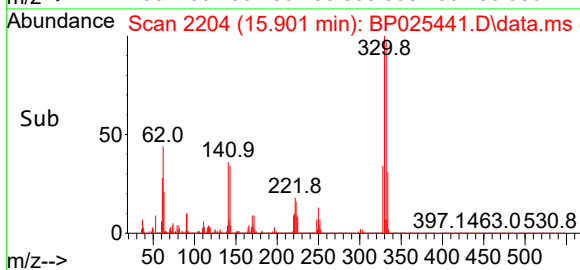
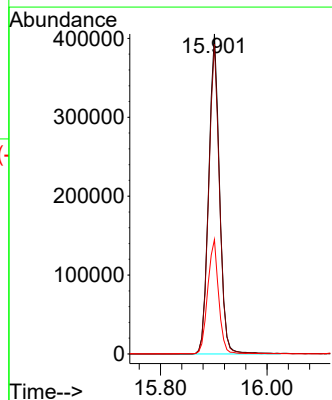
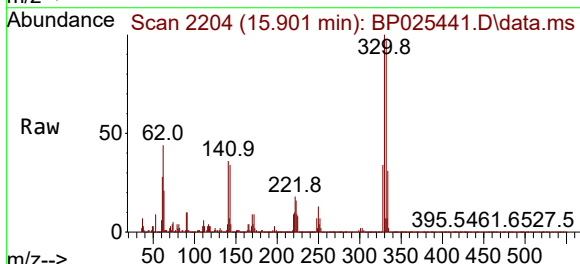
Instrument :
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ClientSampleId :
WC-A7-01-C

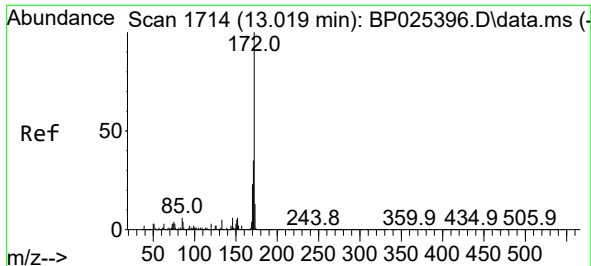
Tgt Ion:164 Resp: 351260
Ion Ratio Lower Upper
164 100
162 96.9 81.0 121.6
160 43.4 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 121.222 ng
RT: 15.901 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:330 Resp: 573137
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 35.7 26.6 39.8

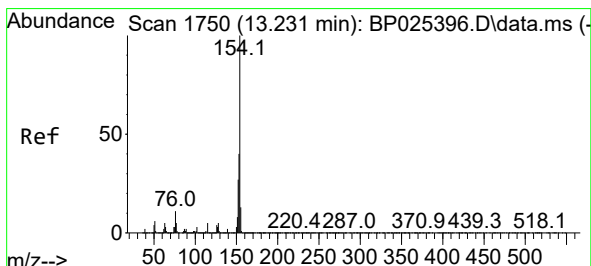
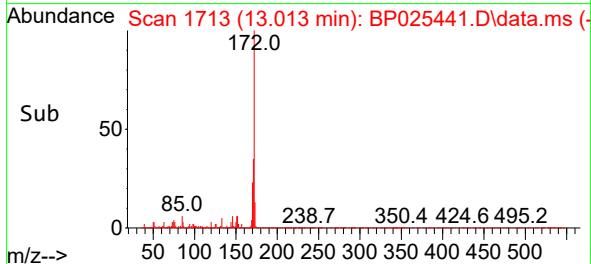
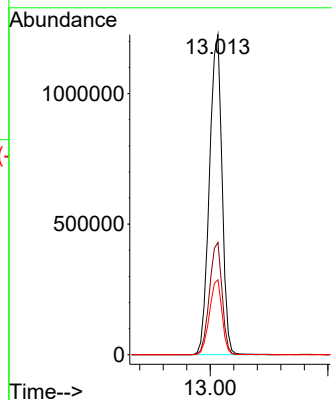
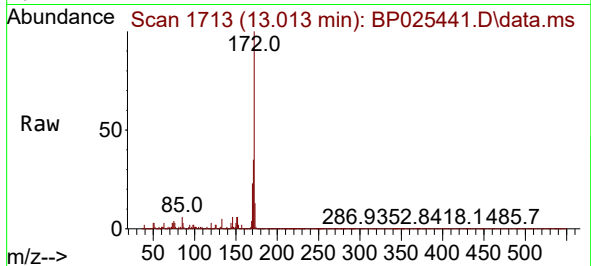




#45
2-Fluorobiphenyl
Concen: 70.743 ng
RT: 13.013 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

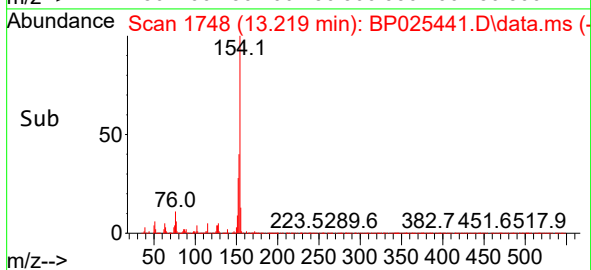
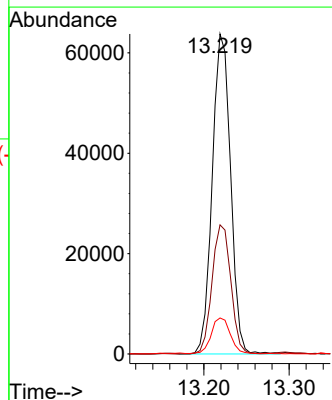
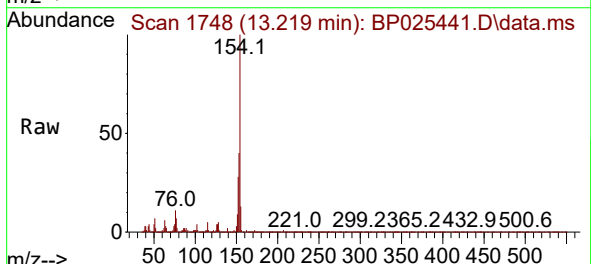
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WC-A7-01-C

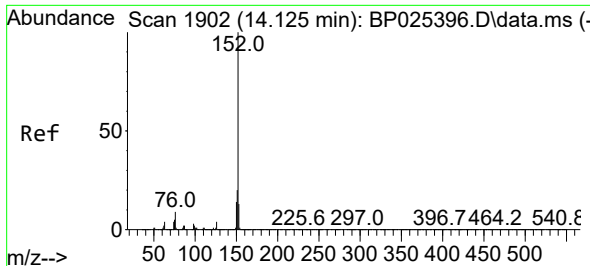
Tgt Ion:172 Resp: 1818218
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.4 18.6 28.0



#46
1,1'-Biphenyl
Concen: 3.727 ng
RT: 13.219 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:154 Resp: 95081
Ion Ratio Lower Upper
154 100
153 40.3 19.5 59.5
76 11.2 0.0 31.1

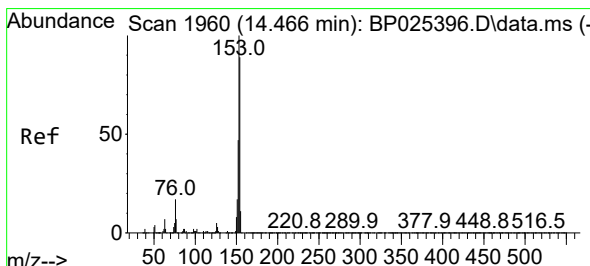
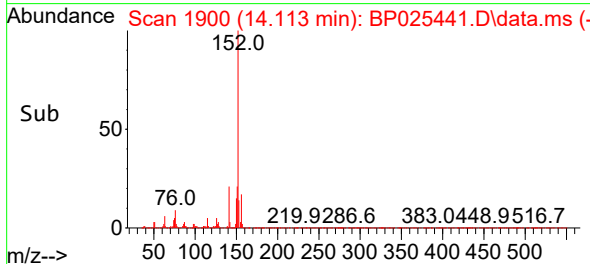
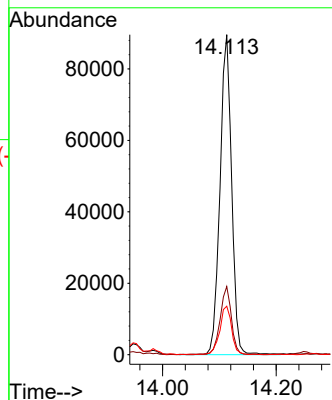
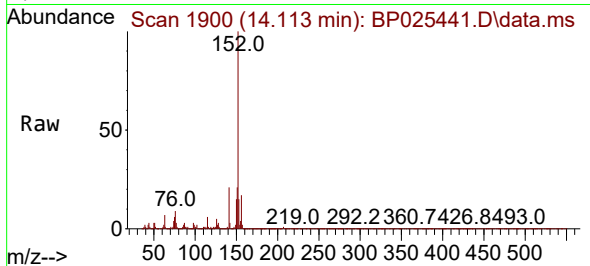




#49
Acenaphthylene
Concen: 3.870 ng
RT: 14.113 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

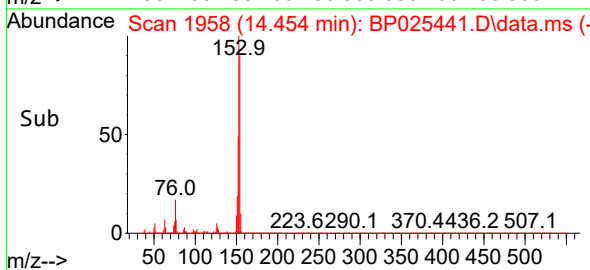
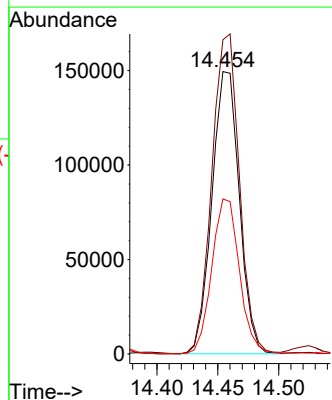
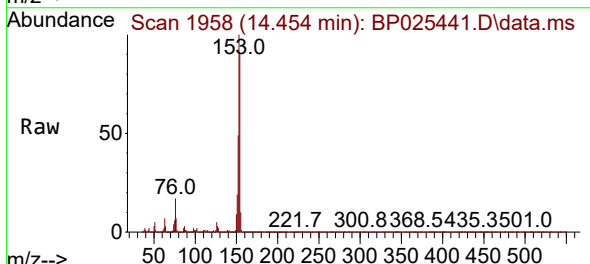
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

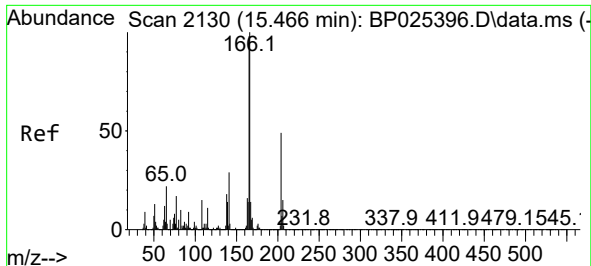
Tgt Ion:152 Resp: 127162
Ion Ratio Lower Upper
152 100
151 21.3 16.0 24.0
153 15.2 10.6 15.8



#52
Acenaphthene
Concen: 12.118 ng
RT: 14.454 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:154 Resp: 233746
Ion Ratio Lower Upper
154 100
153 111.3 90.2 135.2
152 54.9 42.1 63.1

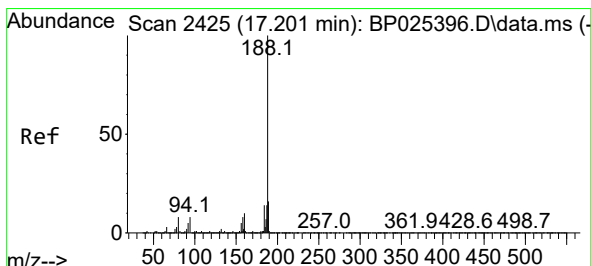
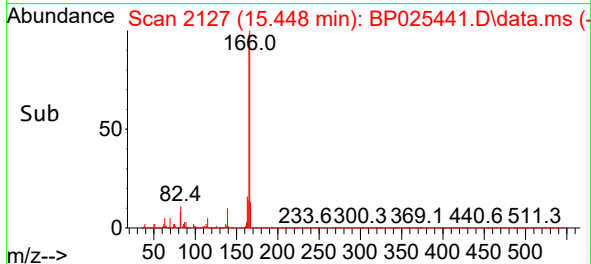
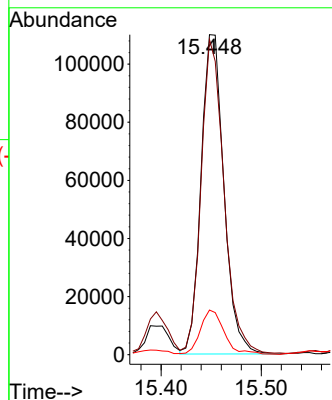
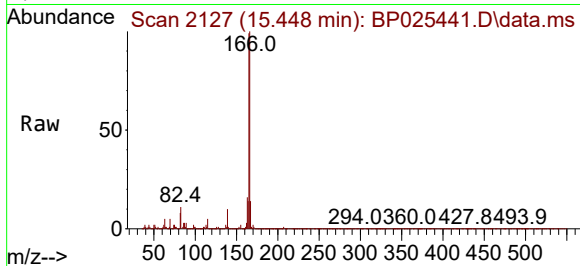




#58
Fluorene
Concen: 7.265 ng
RT: 15.448 min Scan# 2130
Delta R.T. -0.018 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

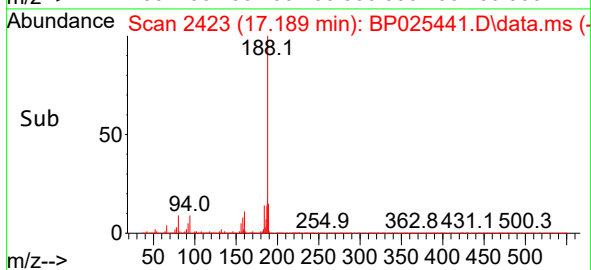
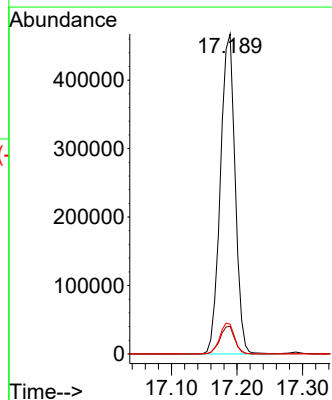
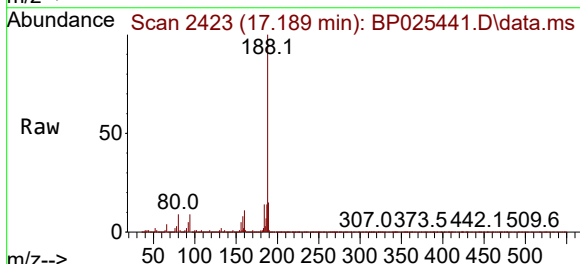
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

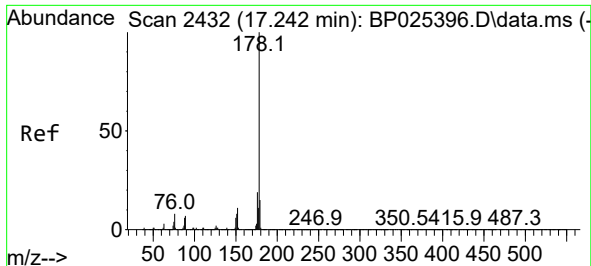
Tgt Ion:166 Resp: 174831
Ion Ratio Lower Upper
166 100
165 98.5 78.8 118.2
167 14.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:188 Resp: 726268
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.3 6.7 10.1

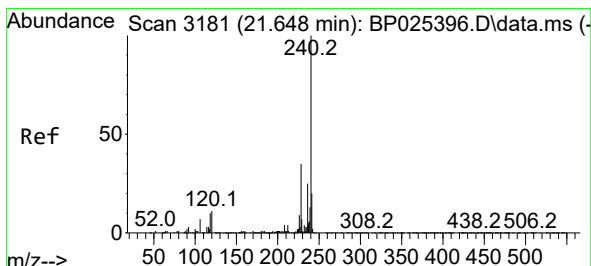
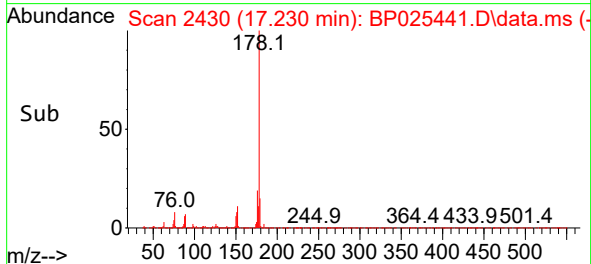
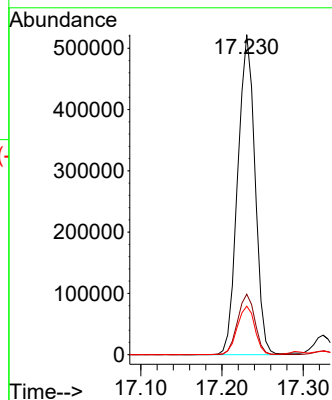
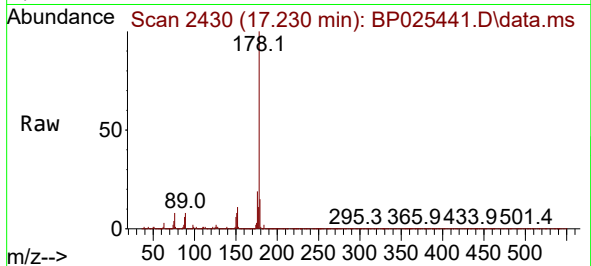




#71
Phenanthrene
Concen: 19.308 ng
RT: 17.230 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

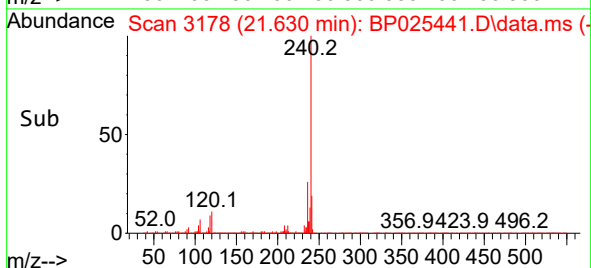
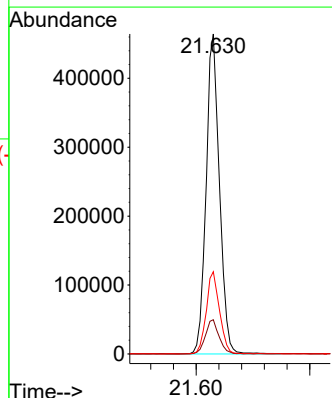
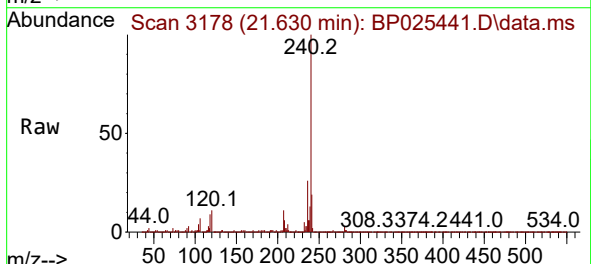
Instrument :
BNA_P
ClientSampleId :
WC-A7-01-C

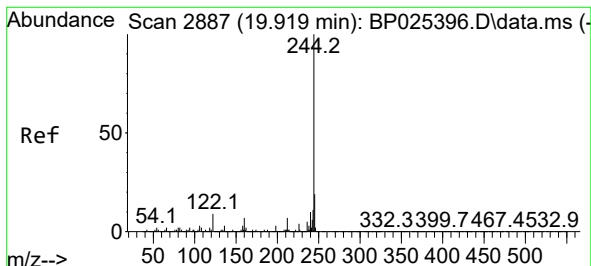
Tgt Ion:178 Resp: 770332
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.1 12.2 18.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025441.D
Acq: 16 Aug 2025 01:55

Tgt Ion:240 Resp: 752195
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.7 19.8 29.8





#79

Terphenyl-d14

Concen: 75.122 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025441.D

Acq: 16 Aug 2025 01:55

Instrument :

BNA_P

ClientSampleId :

WC-A7-01-C

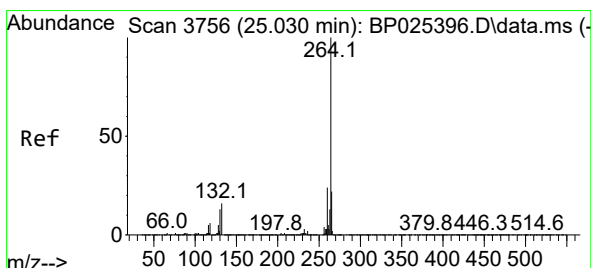
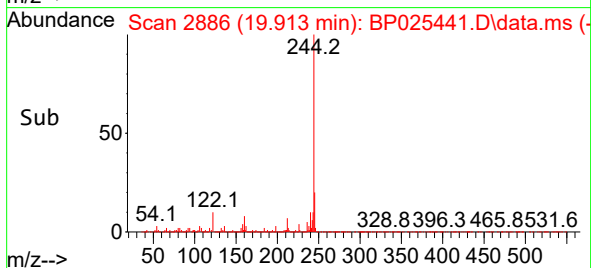
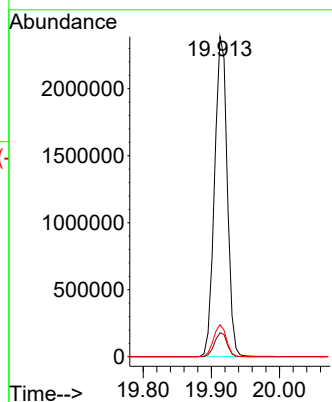
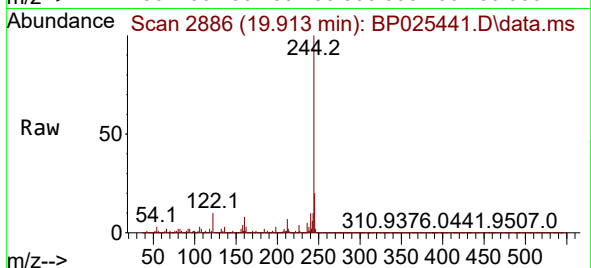
Tgt Ion:244 Resp: 3088521

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 10.0 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 3748

Delta R.T. -0.047 min

Lab File: BP025441.D

Acq: 16 Aug 2025 01:55

Tgt Ion:264 Resp: 794612

Ion Ratio Lower Upper

264 100

260 22.8 19.3 28.9

265 22.1 17.4 26.0

