

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100325\
 Data File : BP025920.D
 Acq On : 03 Oct 2025 19:05
 Operator : CG/JU
 Sample : Q3272-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 R7

Quant Time: Oct 04 02:18:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

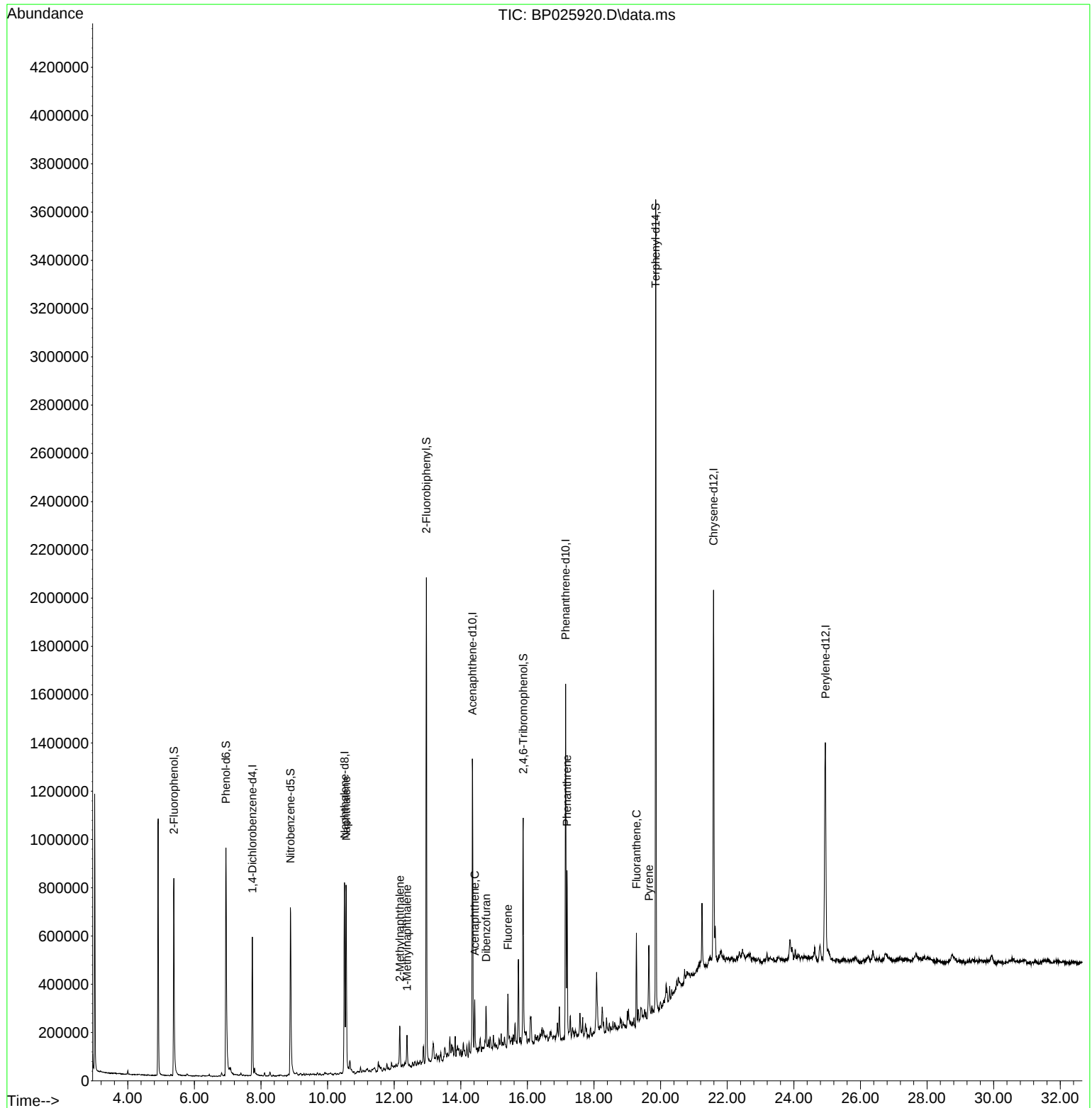
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	174025	20.000	ng	-0.02
21) Naphthalene-d8	10.507	136	695100	20.000	ng	-0.02
39) Acenaphthene-d10	14.348	164	455921	20.000	ng	-0.03
64) Phenanthrene-d10	17.148	188	903359	20.000	ng	-0.04
76) Chrysene-d12	21.589	240	940975	20.000	ng	-0.05
86) Perylene-d12	24.948	264	1035277	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	412151	38.214	ng	0.00
7) Phenol-d6	6.949	99	703498	49.074	ng	0.00
23) Nitrobenzene-d5	8.884	82	516374	32.769	ng	-0.02
42) 2,4,6-Tribromophenol	15.872	330	201721	35.472	ng	-0.04
45) 2-Fluorobiphenyl	12.966	172	1086112	31.720	ng	-0.02
79) Terphenyl-d14	19.854	244	1724925	32.978	ng	-0.06
Target Compounds						
						Qvalue
31) Naphthalene	10.554	128	690123	18.413	ng	100
37) 2-Methylnaphthalene	12.166	142	105346	4.376	ng	99
38) 1-Methylnaphthalene	12.384	142	62579	2.438	ng	98
52) Acenaphthene	14.419	154	78032	3.099	ng	98
55) Dibenzofuran	14.760	168	110495	2.693	ng	99
58) Fluorene	15.413	166	98484	3.018	ng	98
71) Phenanthrene	17.189	178	424355	8.281	ng	98
75) Fluoranthene	19.272	202	240740	3.917	ng	99
78) Pyrene	19.648	202	214301	3.413	ng	99

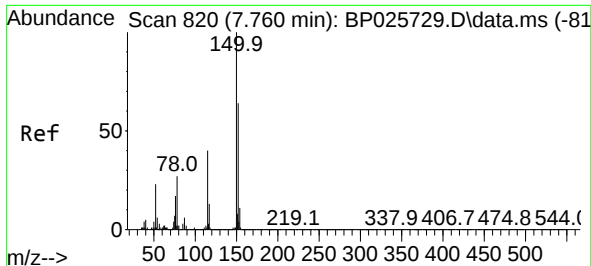
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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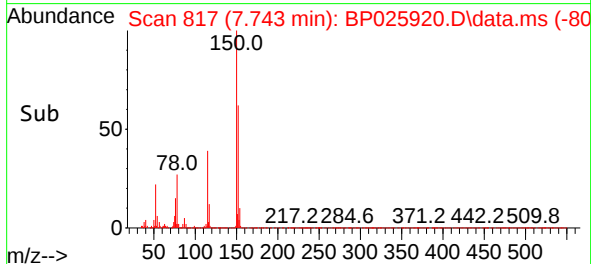
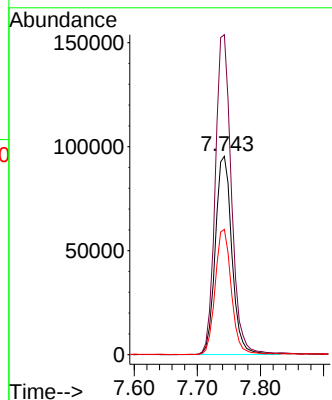
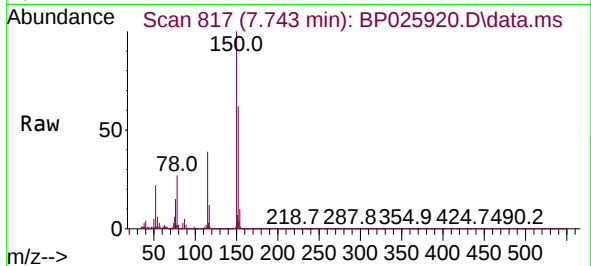




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.743 min Scan# 81
 Delta R.T. -0.017 min
 Lab File: BP025920.D
 Acq: 03 Oct 2025 19:05

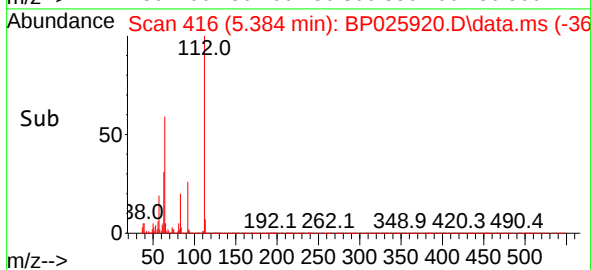
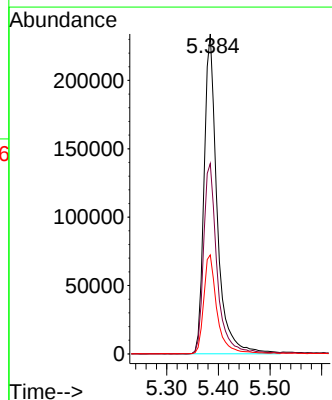
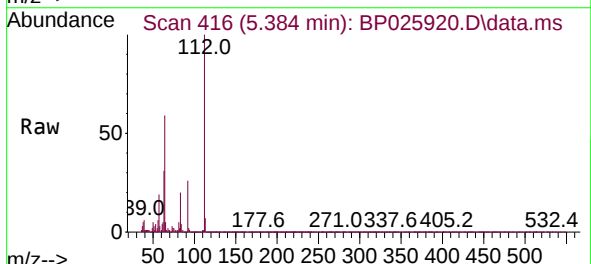
Instrument :
 BNA_P
 ClientSampleId :
 R7

Tgt Ion:152 Resp: 174025
 Ion Ratio Lower Upper
 152 100
 150 161.3 124.3 186.5
 115 63.1 50.3 75.5



#5
 2-Fluorophenol
 Concen: 38.214 ng
 RT: 5.384 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BP025920.D
 Acq: 03 Oct 2025 19:05

Tgt Ion:112 Resp: 412151
 Ion Ratio Lower Upper
 112 100
 64 59.5 50.2 75.4
 63 30.9 26.7 40.1

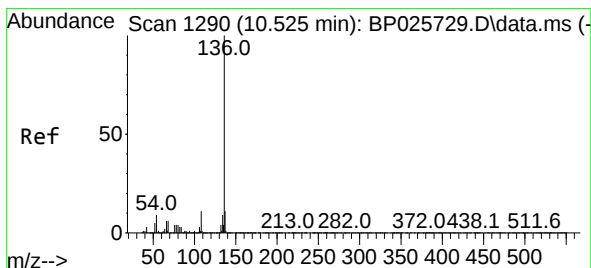
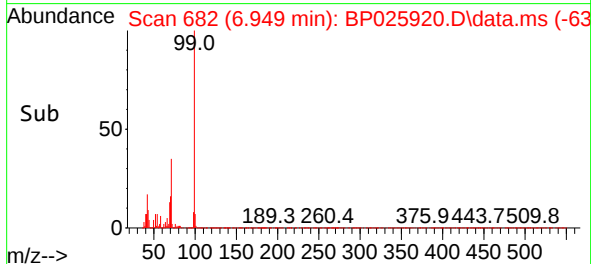
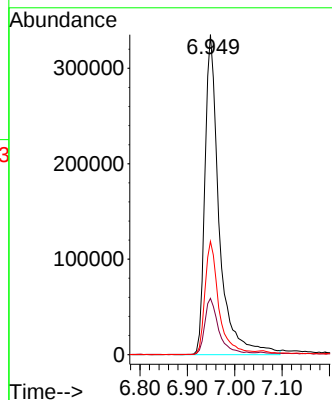
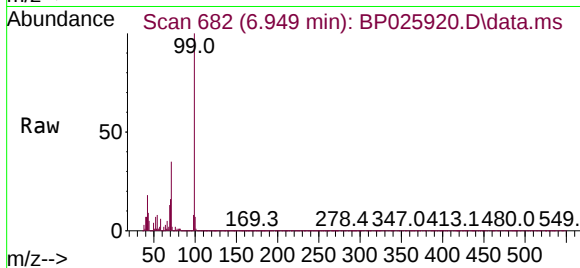




#7
Phenol-d6
Concen: 49.074 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

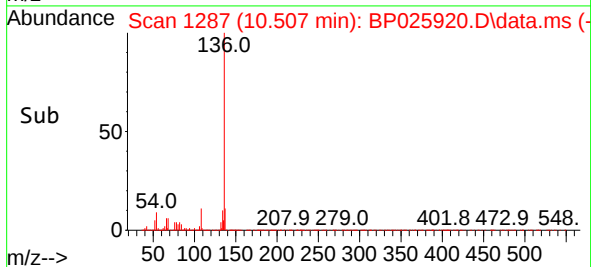
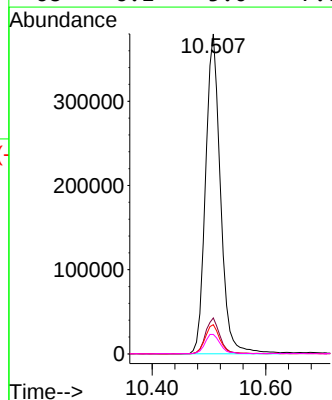
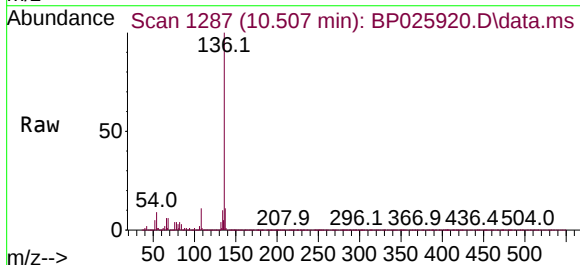
Instrument :
BNA_P
ClientSampleId :
R7

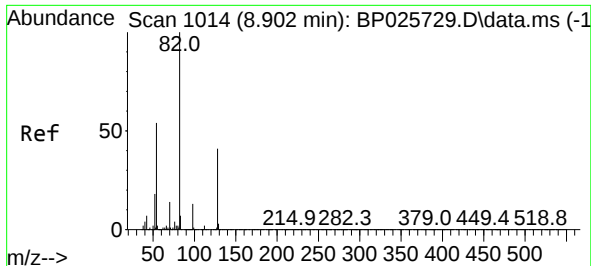
Tgt Ion:	99	Resp:	703498
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.6	23.4
71	35.4	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:	136	Resp:	695100
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.1	7.5	11.3
68	6.1	5.0	7.6

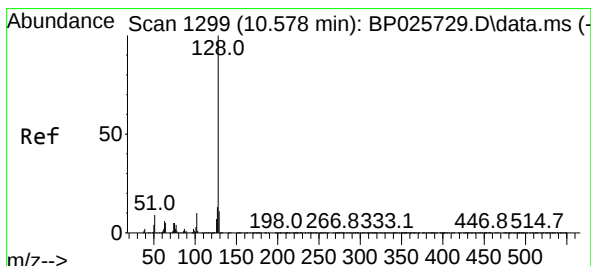
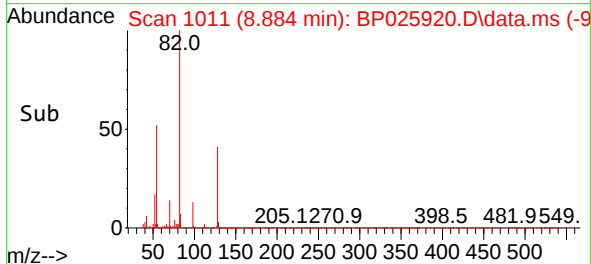
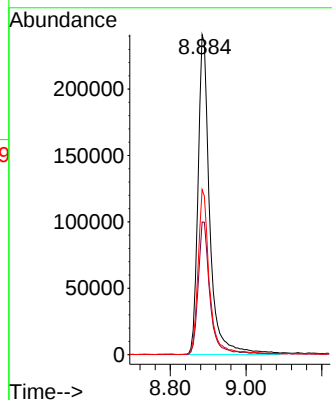
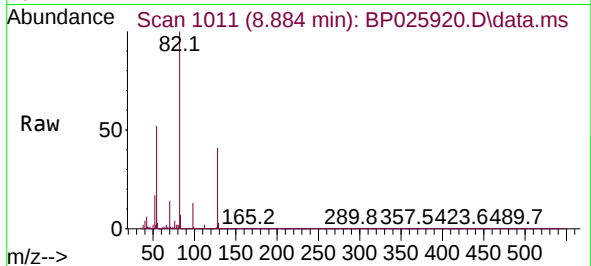




#23
Nitrobenzene-d5
Concen: 32.769 ng
RT: 8.884 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

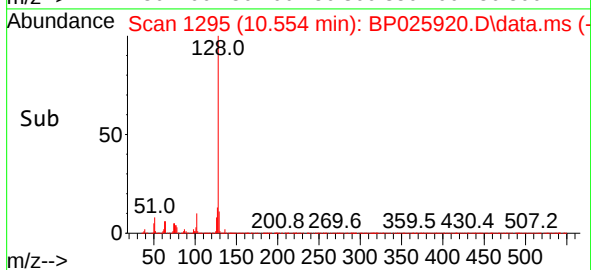
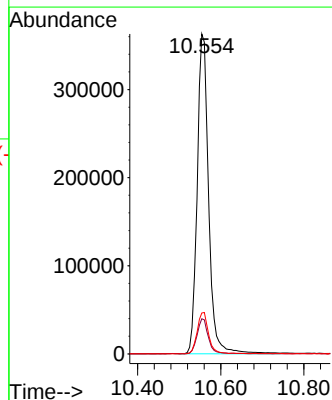
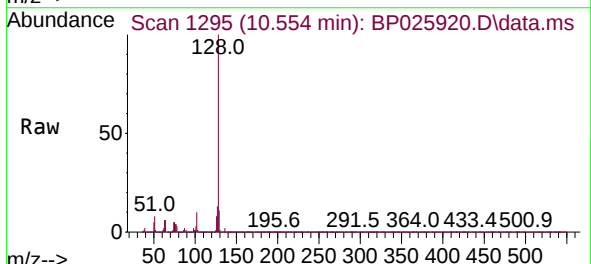
Instrument :
BNA_P
ClientSampleId :
R7

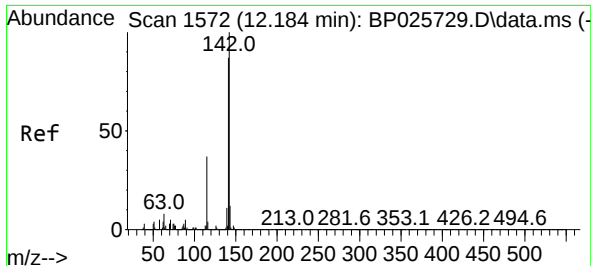
Tgt Ion: 82 Resp: 516374
Ion Ratio Lower Upper
82 100
128 41.4 32.9 49.3
54 51.6 43.4 65.2



#31
Naphthalene
Concen: 18.413 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.024 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion: 128 Resp: 690123
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.8 10.2 15.4

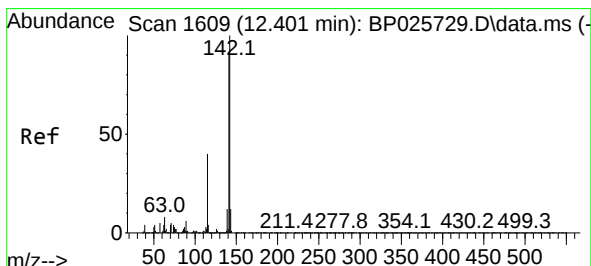
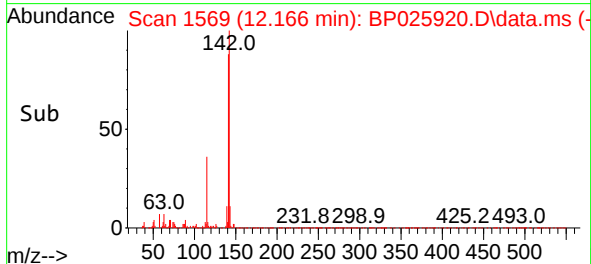
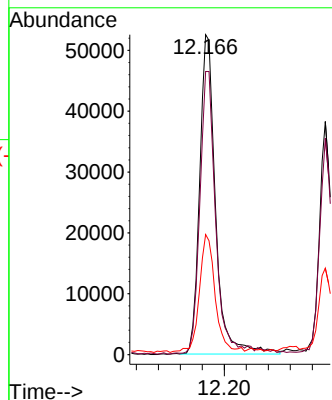
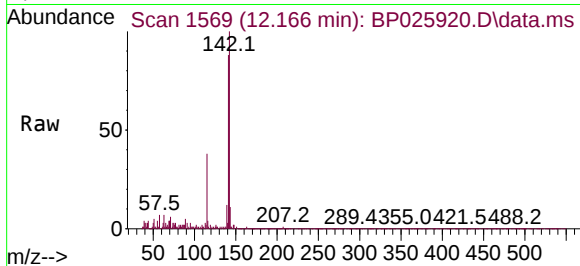




#37
2-Methylnaphthalene
Concen: 4.376 ng
RT: 12.166 min Scan# 1569
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

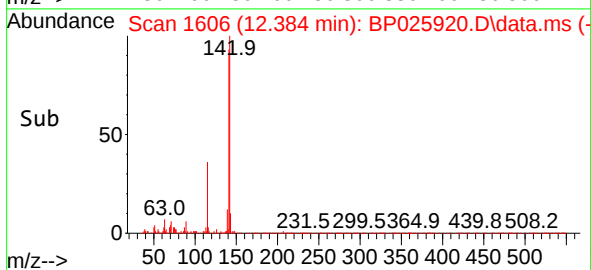
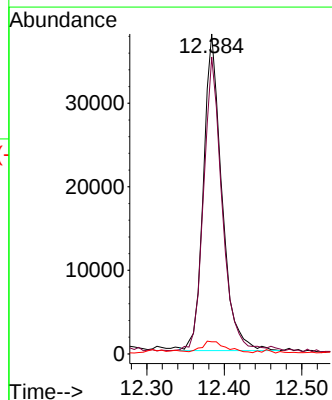
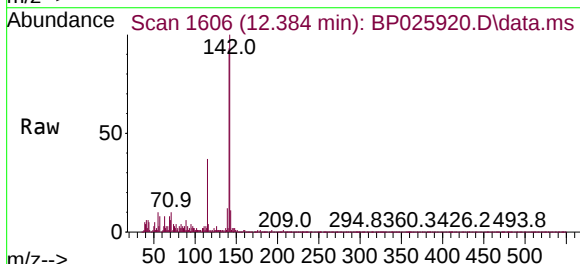
Instrument :
BNA_P
ClientSampleId :
R7

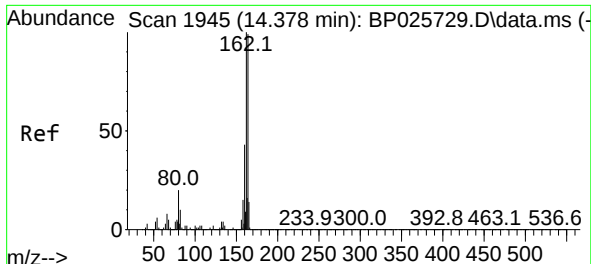
Tgt Ion:142 Resp: 105346
Ion Ratio Lower Upper
142 100
141 88.5 69.6 104.4
115 37.5 30.0 45.0



#38
1-Methylnaphthalene
Concen: 2.438 ng
RT: 12.384 min Scan# 1606
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:142 Resp: 62579
Ion Ratio Lower Upper
142 100
141 92.8 72.7 109.1
116 3.8 3.5 5.3

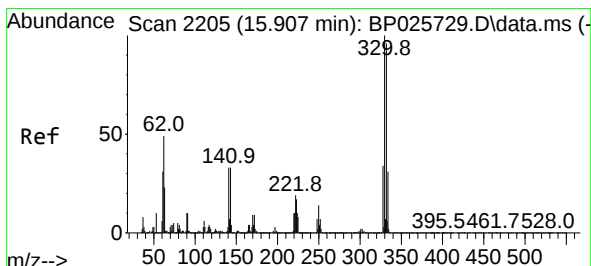
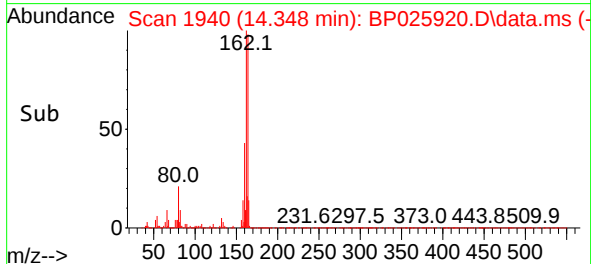
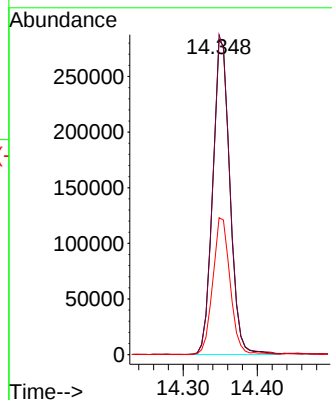
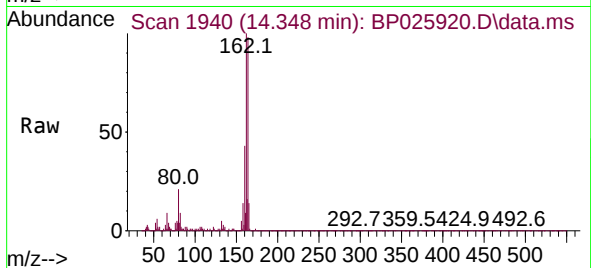




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.348 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

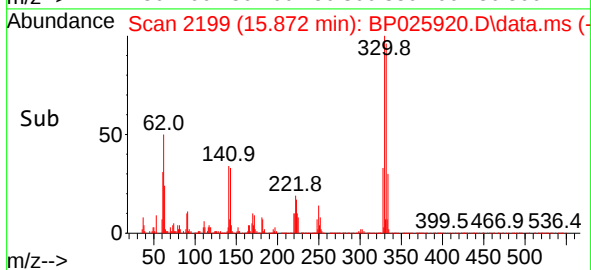
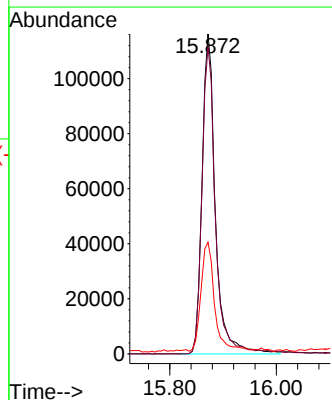
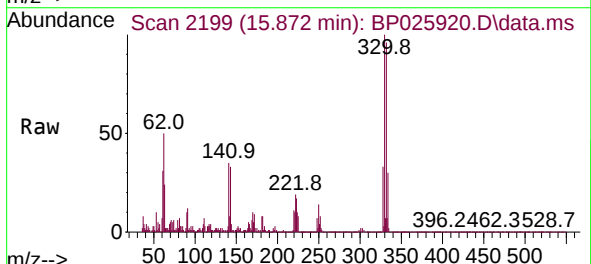
Instrument :
BNA_P
ClientSampleId :
R7

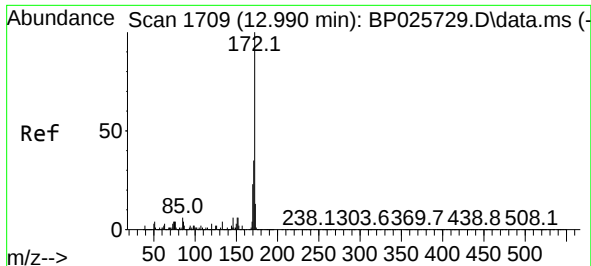
Tgt Ion:164	Resp: 455921
Ion Ratio	Lower Upper
164	100
162	101.7 80.6 120.8
160	43.5 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 35.472 ng
RT: 15.872 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:330	Resp: 201721
Ion Ratio	Lower Upper
330	100
332	97.0 76.9 115.3
141	34.7 31.0 46.4

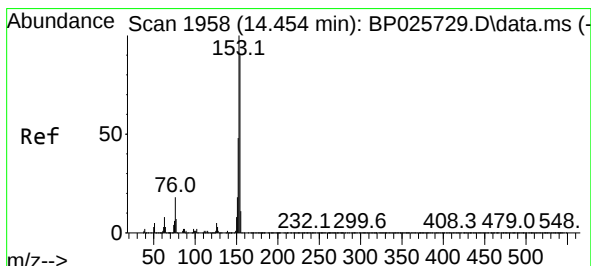
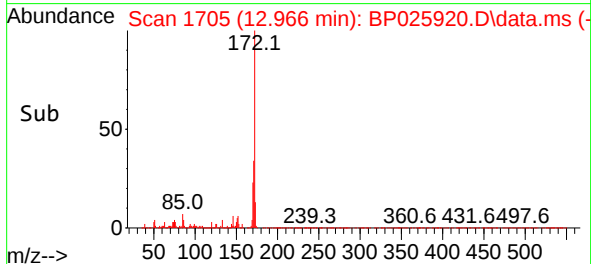
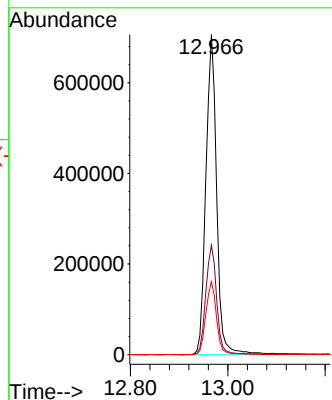
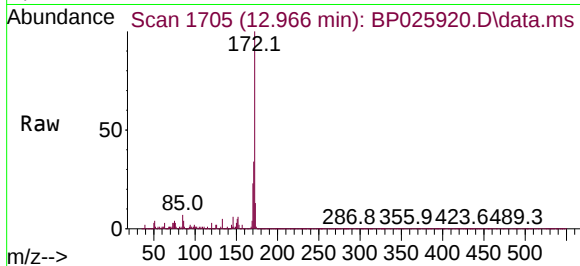




#45
2-Fluorobiphenyl
Concen: 31.720 ng
RT: 12.966 min Scan# 1705
Delta R.T. -0.024 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

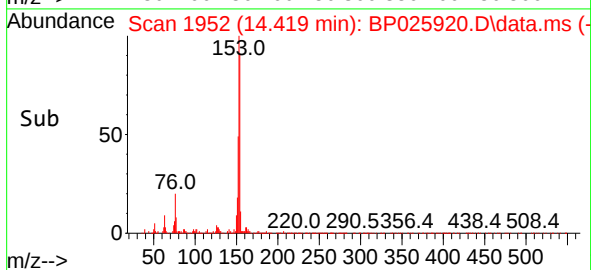
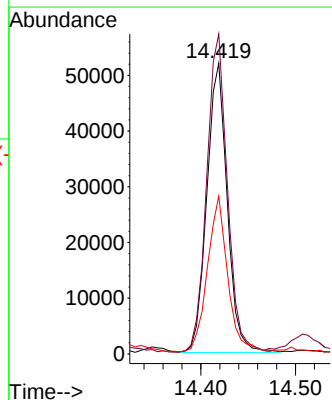
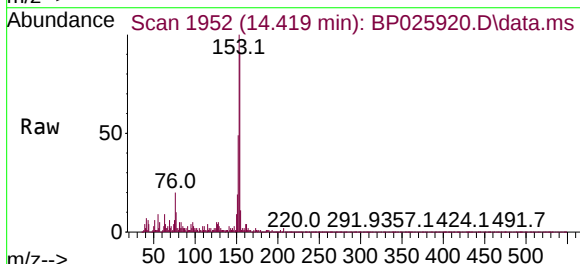
Instrument :
BNA_P
ClientSampleId :
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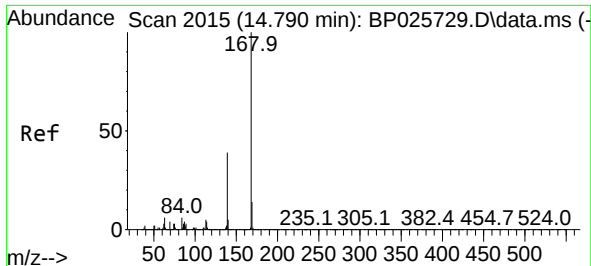
Tgt Ion:172 Resp: 1086112
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.8 18.6 27.8



#52
Acenaphthene
Concen: 3.099 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.035 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:154 Resp: 78032
Ion Ratio Lower Upper
154 100
153 110.1 89.4 134.0
152 54.3 42.5 63.7

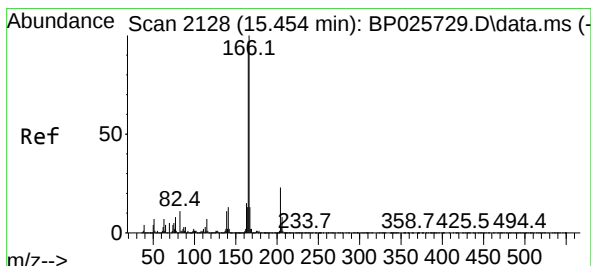
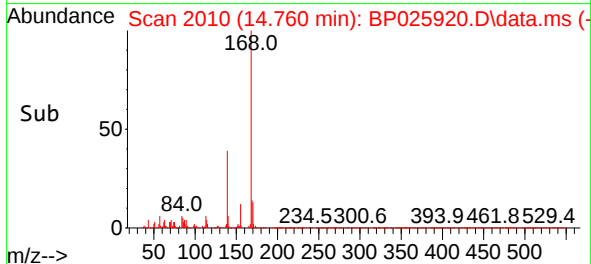
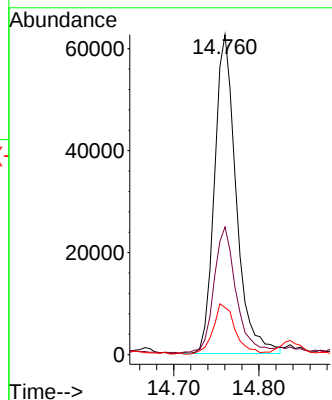
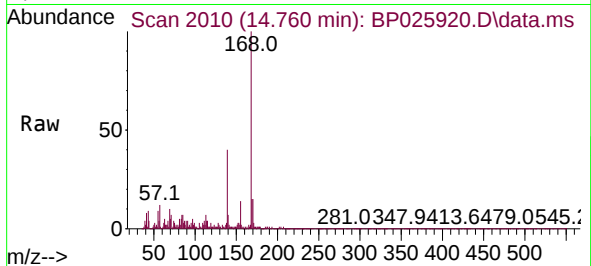




#55
Dibenzofuran
Concen: 2.693 ng
RT: 14.760 min Scan# 2015
Delta R.T. -0.029 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

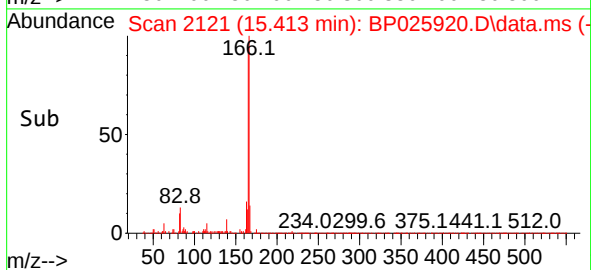
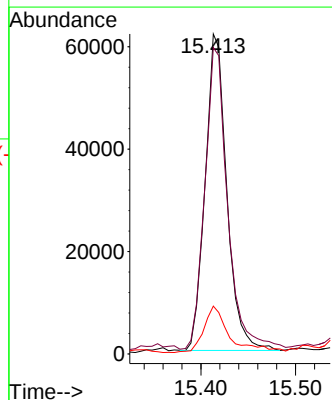
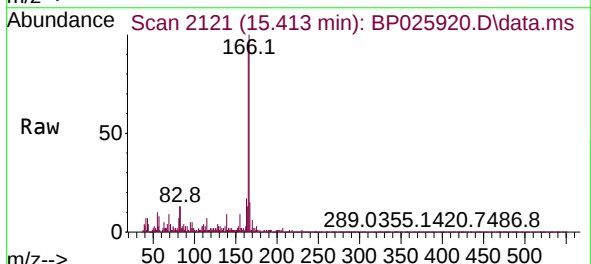
Instrument :
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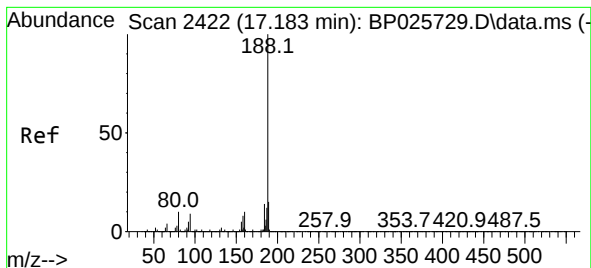
Tgt Ion:168 Resp: 110495
Ion Ratio Lower Upper
168 100
139 39.9 31.7 47.5
169 14.7 10.8 16.2



#58
Fluorene
Concen: 3.018 ng
RT: 15.413 min Scan# 2121
Delta R.T. -0.041 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:166 Resp: 98484
Ion Ratio Lower Upper
166 100
165 95.7 77.7 116.5
167 14.9 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.148 min Scan# 24

Delta R.T. -0.035 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7

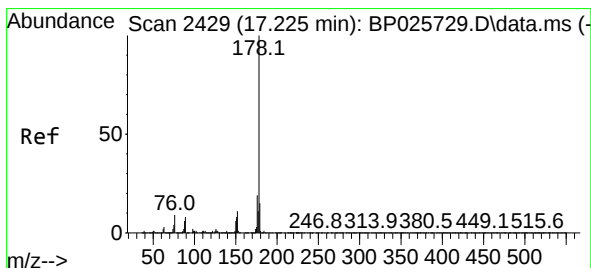
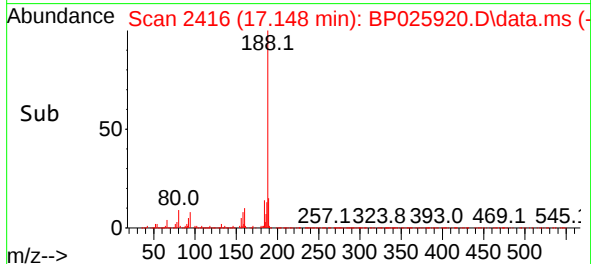
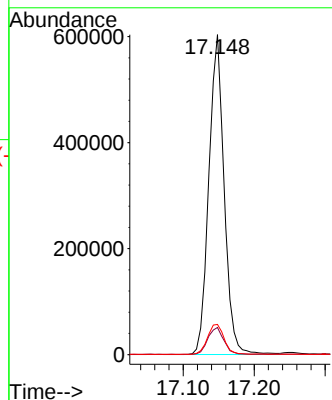
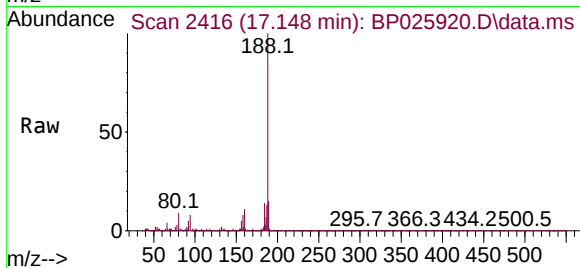
Tgt Ion:188 Resp: 903359

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.0

80 9.4 7.7 11.5



#71

Phenanthrene

Concen: 8.281 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.035 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

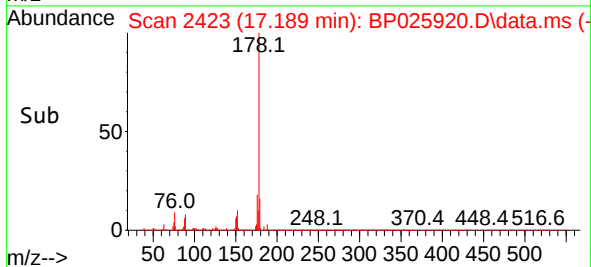
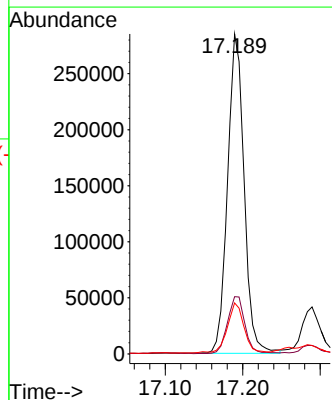
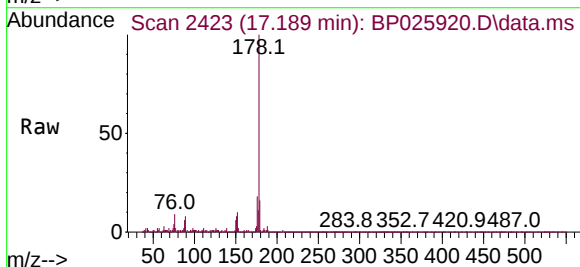
Tgt Ion:178 Resp: 424355

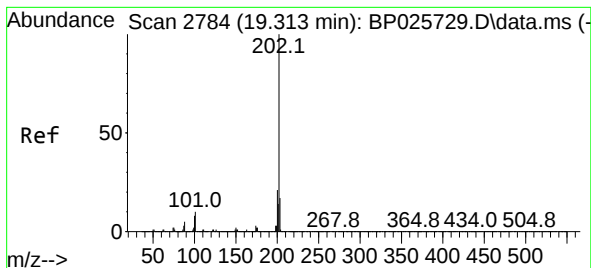
Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

179 15.9 12.2 18.4

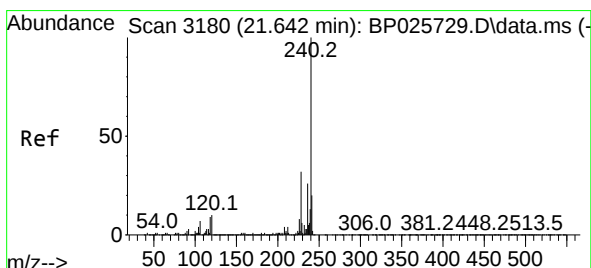
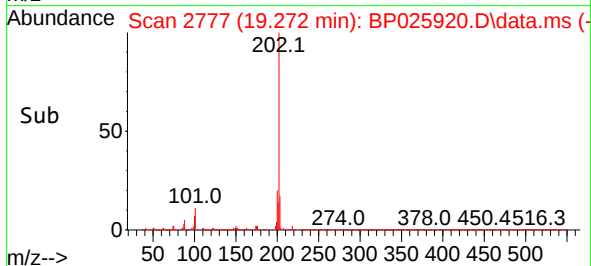
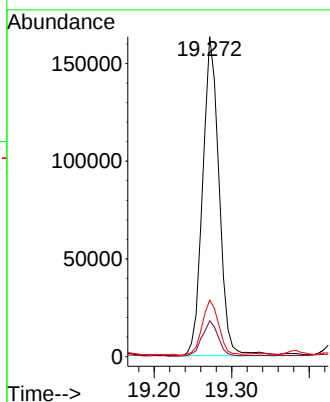
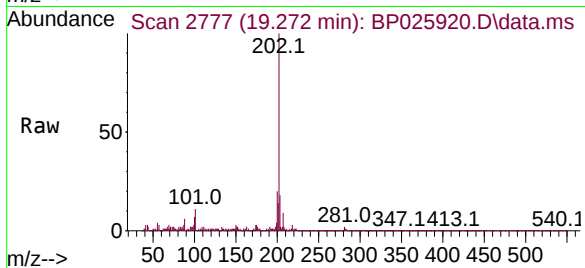




#75
Fluoranthene
Concen: 3.917 ng
RT: 19.272 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

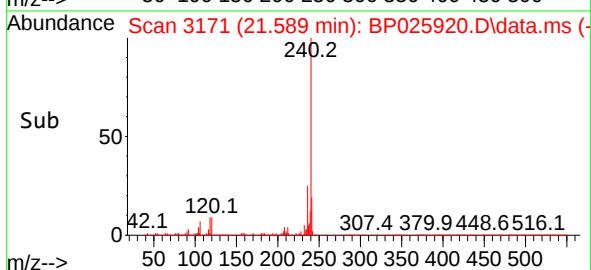
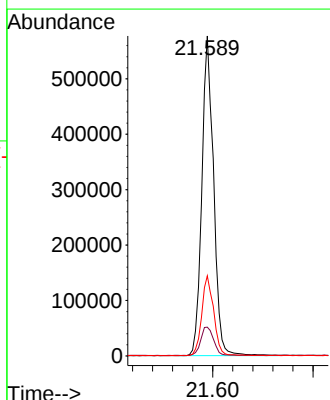
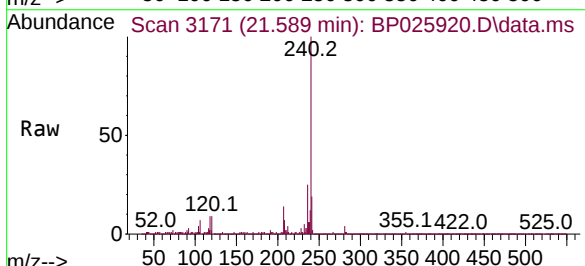
Instrument :
BNA_P
ClientSampleId :
R7

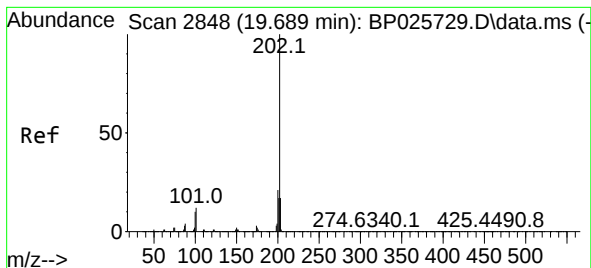
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.4
203	17.6	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. -0.053 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.0	12.0
236	25.0	20.7	31.1





#78

Pyrene

Concen: 3.413 ng

RT: 19.648 min Scan# 2841

Delta R.T. -0.041 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7

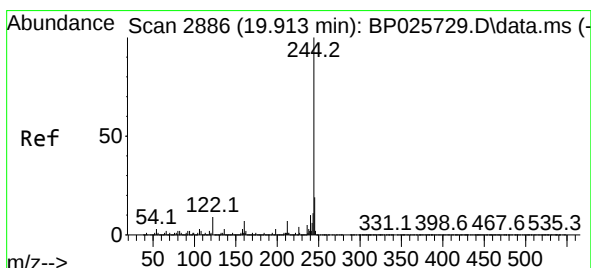
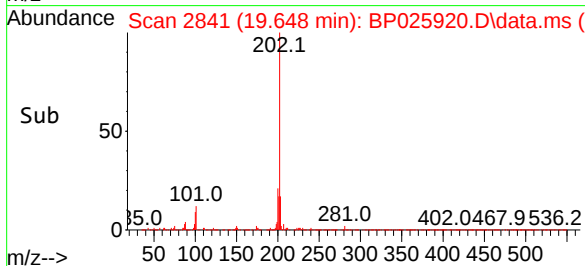
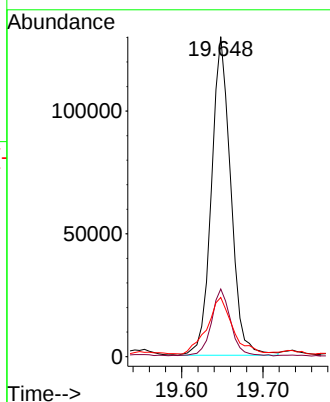
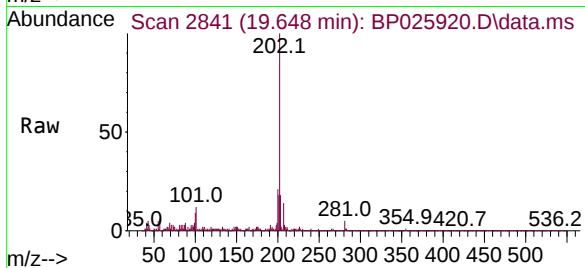
Tgt Ion:202 Resp: 214301

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 18.5 13.9 20.9



#79

Terphenyl-d14

Concen: 32.978 ng

RT: 19.854 min Scan# 2876

Delta R.T. -0.059 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

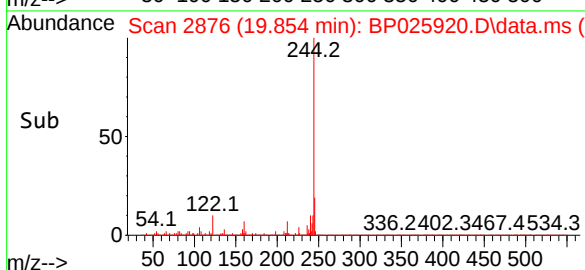
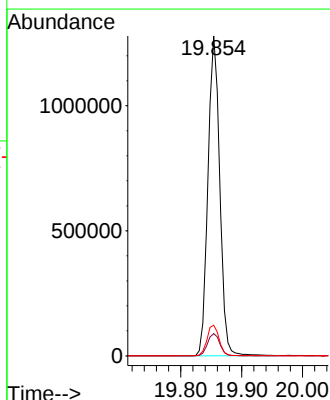
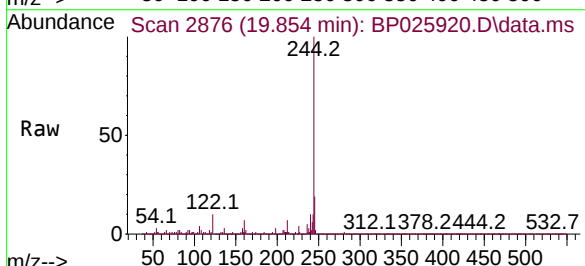
Tgt Ion:244 Resp: 1724925

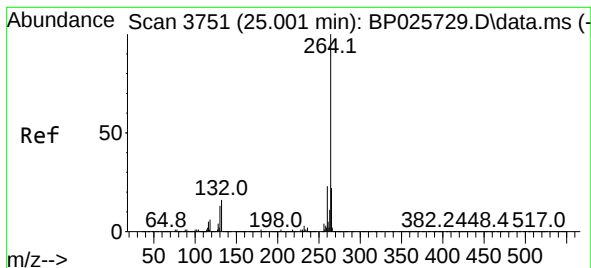
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 9.6 7.1 10.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.948 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP025920.D

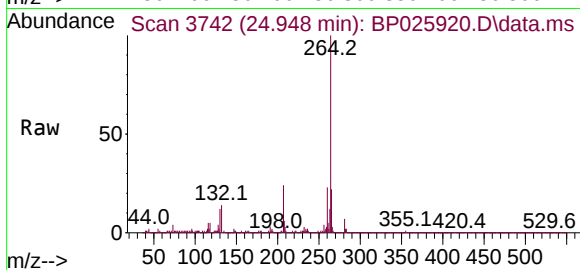
Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7



Tgt Ion:264 Resp: 1035277

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.7 17.3 25.9

