

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092325\
 Data File : BP025832.D
 Acq On : 23 Sep 2025 16:37
 Operator : CG/JU
 Sample : Q3145-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-A

Quant Time: Sep 23 17:03:21 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)

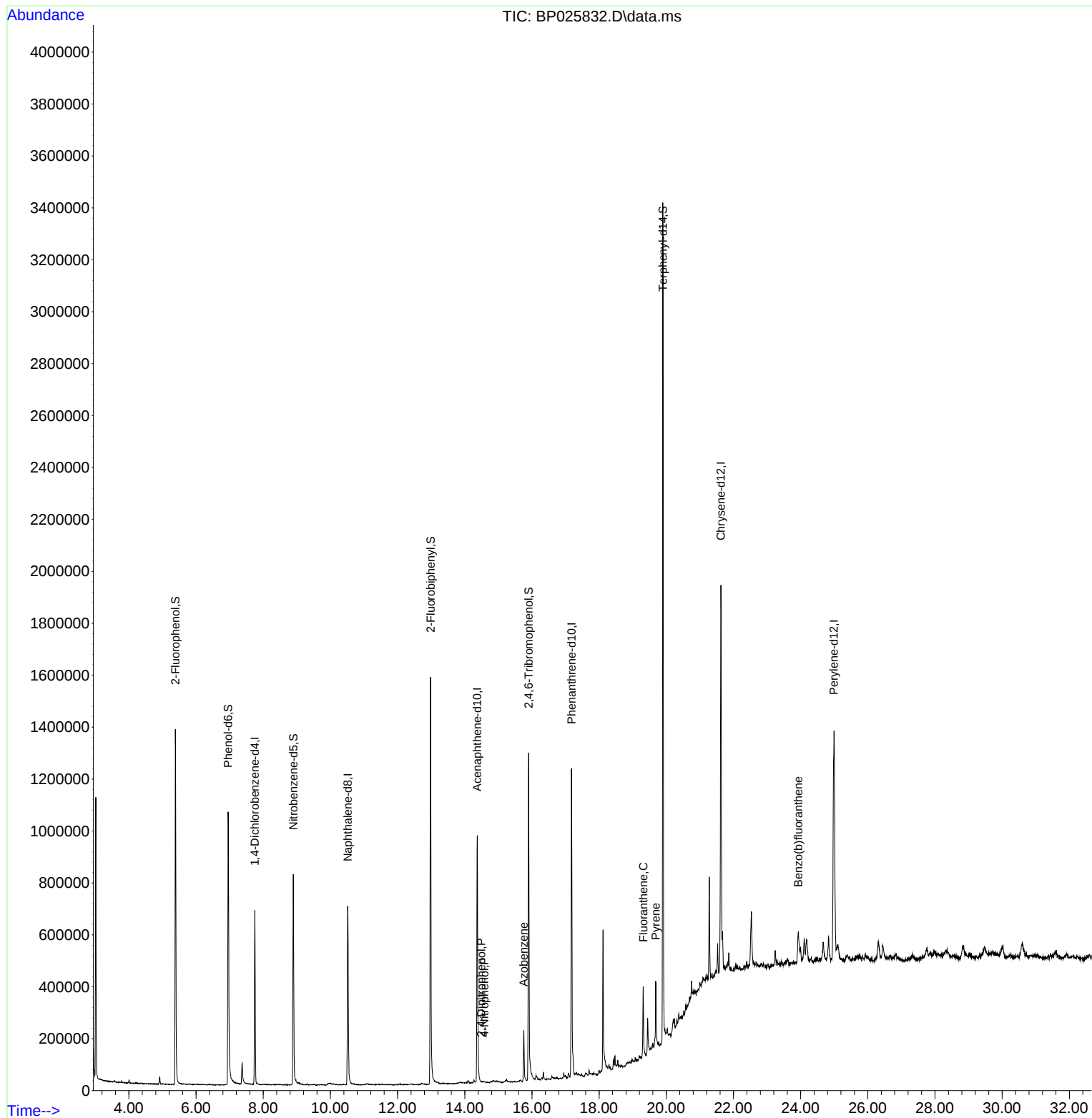
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	178875	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	667805	20.000	ng	-0.01
39) Acenaphthene-d10	14.372	164	412502	20.000	ng	0.00
64) Phenanthrene-d10	17.177	188	824237	20.000	ng	0.00
76) Chrysene-d12	21.624	240	953215	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1080999	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	634544	57.239	ng	0.00
7) Phenol-d6	6.955	99	764932	51.912	ng	0.00
23) Nitrobenzene-d5	8.896	82	521742	34.463	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	278524	54.133	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	1023417	33.035	ng	0.00
79) Terphenyl-d14	19.895	244	1643464	31.017	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.489	184	12	4.827	ng	# 1
56) 4-Nitrophenol	14.584	139	207	4.515	ng	# 77
63) Azobenzene	15.754	77	66999	2.169	ng	# 1
75) Fluoranthene	19.313	202	156968	2.799	ng	98
78) Pyrene	19.689	202	153412	2.412	ng	100
88) Benzo(b)fluoranthene	23.930	252	145705	2.204	ng	# 94

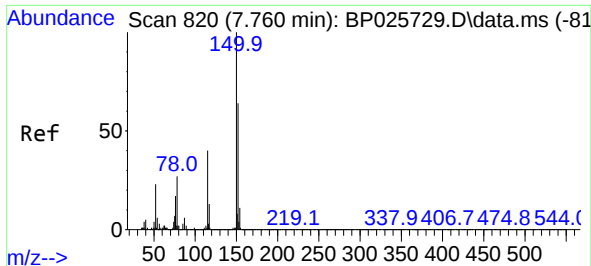
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

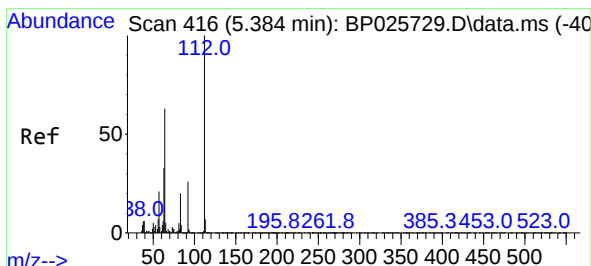
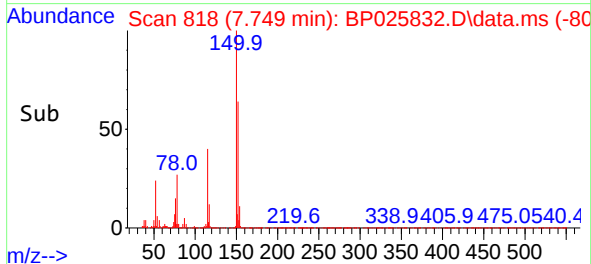
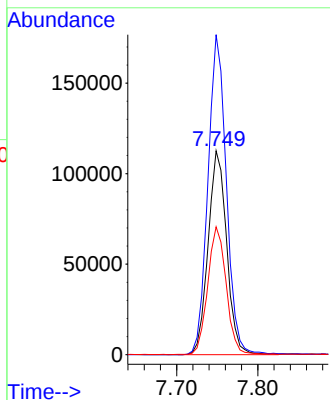
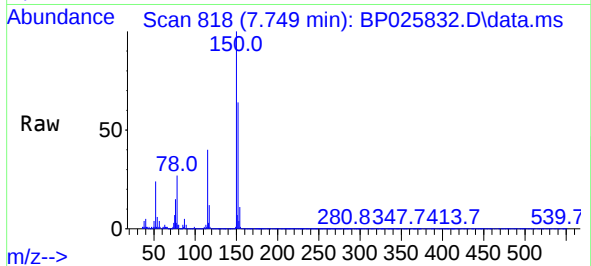




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

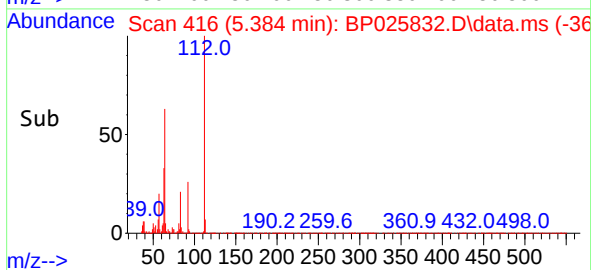
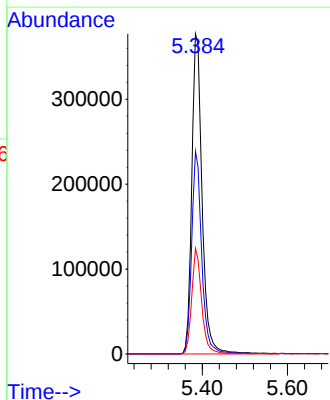
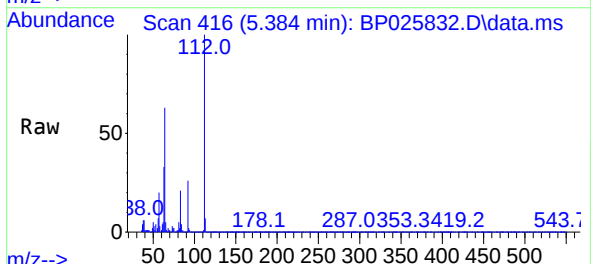
Instrument :
BNA_P
ClientSampleId :
SP-A

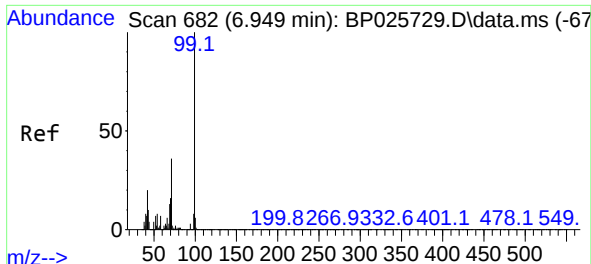
Tgt Ion:152 Resp: 178875
Ion Ratio Lower Upper
152 100
150 157.0 124.3 186.5
115 62.7 50.3 75.5



#5
2-Fluorophenol
Concen: 57.239 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:112 Resp: 634544
Ion Ratio Lower Upper
112 100
64 63.4 50.2 75.4
63 33.0 26.7 40.1

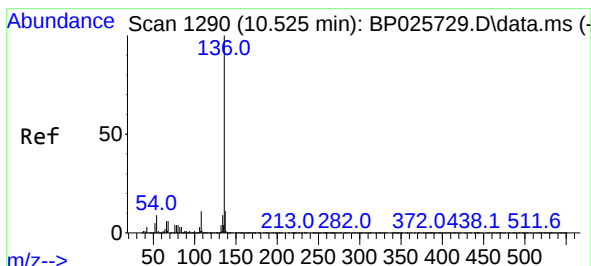
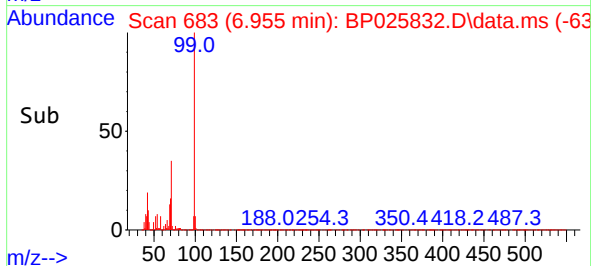
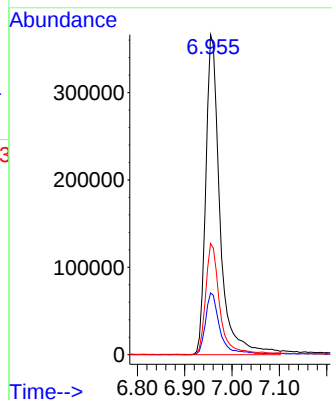
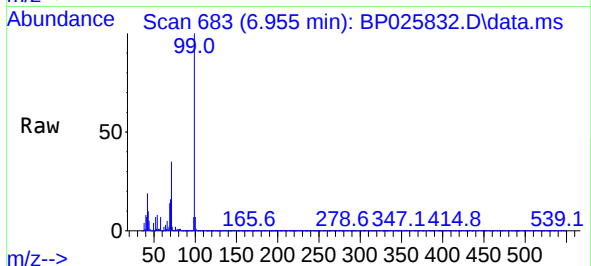




#7
Phenol-d6
Concen: 51.912 ng
RT: 6.955 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

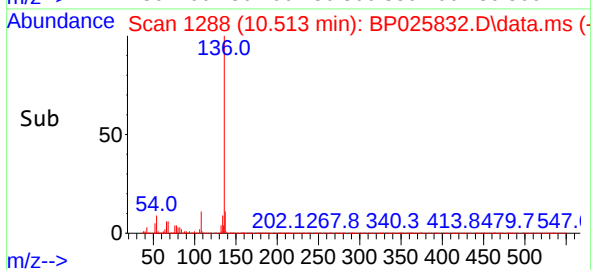
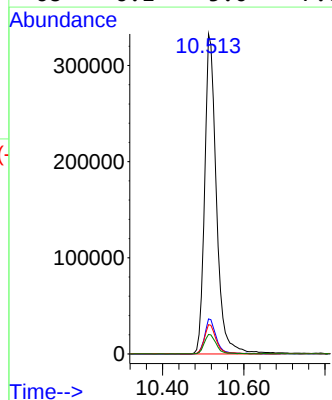
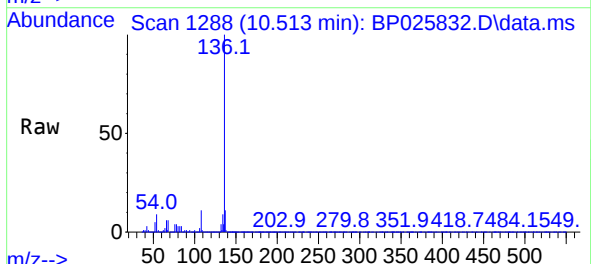
Instrument :
BNA_P
ClientSampleId :
SP-A

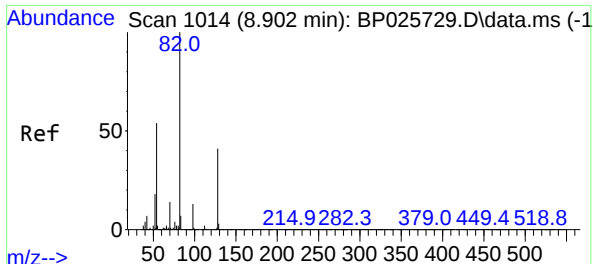
Tgt Ion: 99 Resp: 764932
Ion Ratio Lower Upper
99 100
42 19.3 15.6 23.4
71 34.8 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:136 Resp: 667805
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 9.2 7.5 11.3
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 34.463 ng

RT: 8.896 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BP025832.D

Acq: 23 Sep 2025 16:37

Instrument :

BNA_P

ClientSampleId :

SP-A

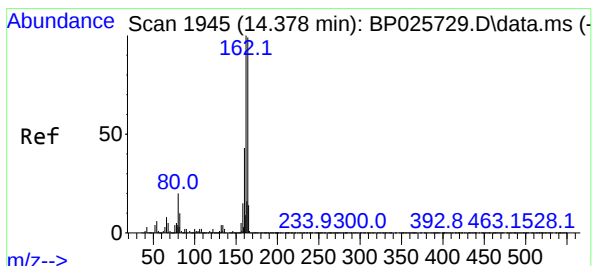
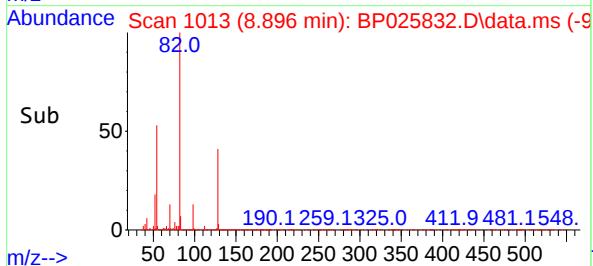
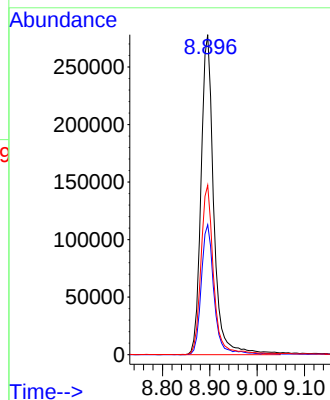
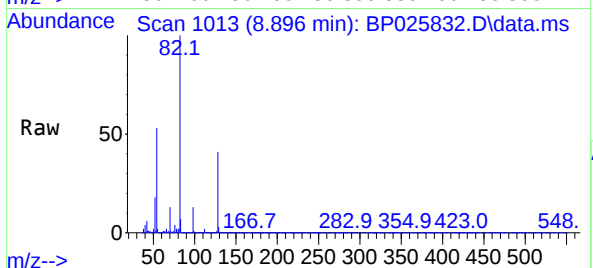
Tgt Ion: 82 Resp: 521742

Ion Ratio Lower Upper

82 100

128 40.6 32.9 49.3

54 52.9 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.372 min Scan# 1944

Delta R.T. -0.006 min

Lab File: BP025832.D

Acq: 23 Sep 2025 16:37

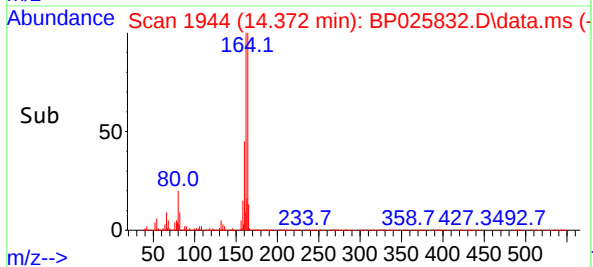
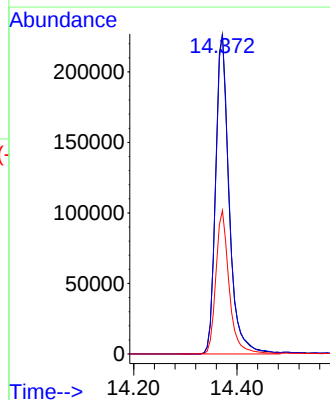
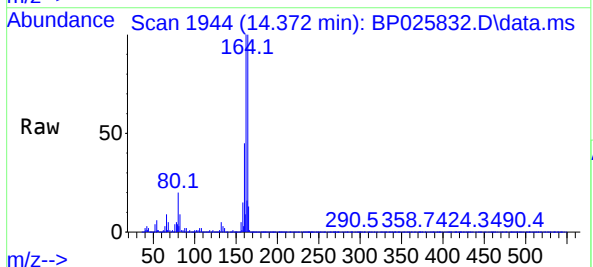
Tgt Ion: 164 Resp: 412502

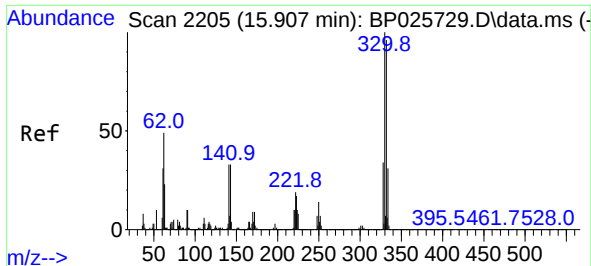
Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

160 44.9 35.0 52.6

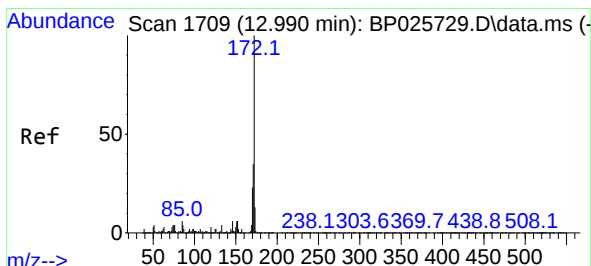
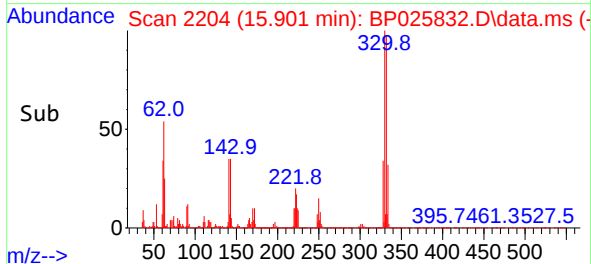
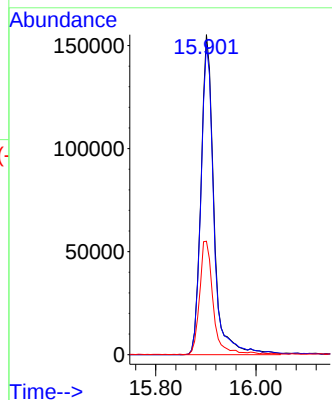
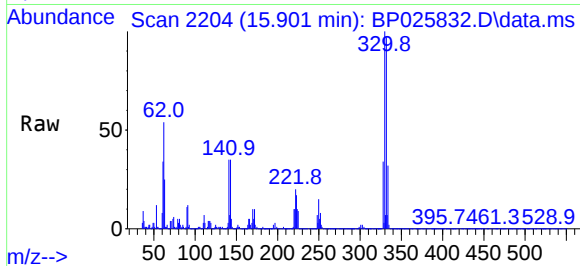




#42
2,4,6-Tribromophenol
Concen: 54.133 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

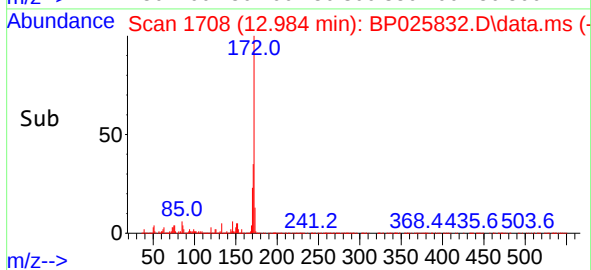
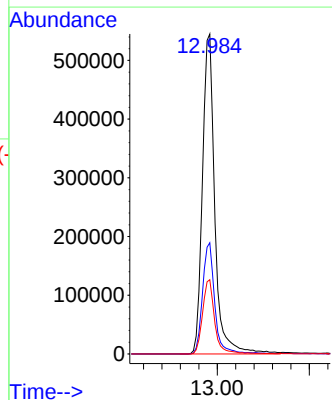
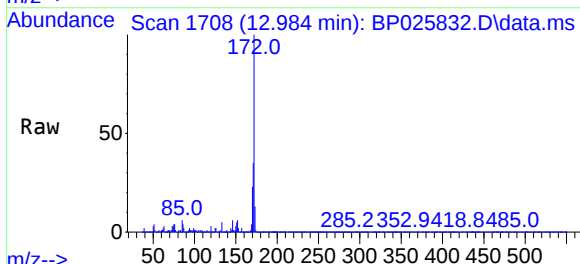
Instrument :
BNA_P
ClientSampleId :
SP-A

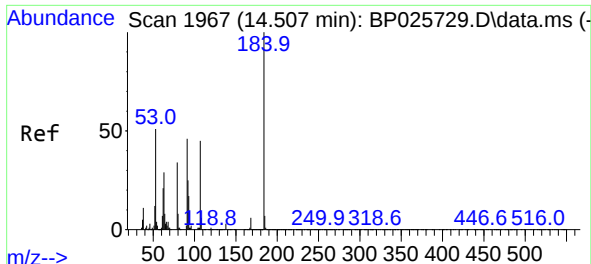
Tgt Ion:330 Resp: 278524
Ion Ratio Lower Upper
330 100
332 97.5 76.9 115.3
141 36.5 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 33.035 ng
RT: 12.984 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:172 Resp: 1023417
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.6 27.8

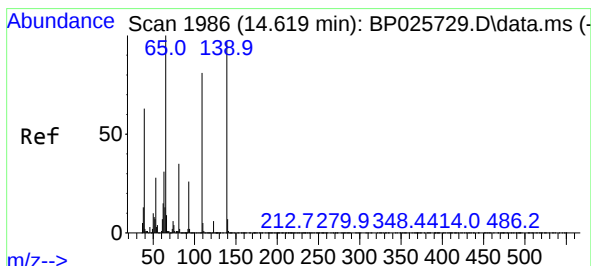
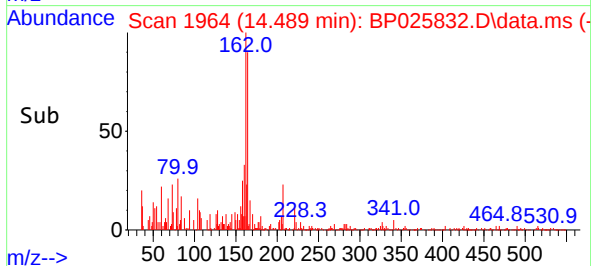
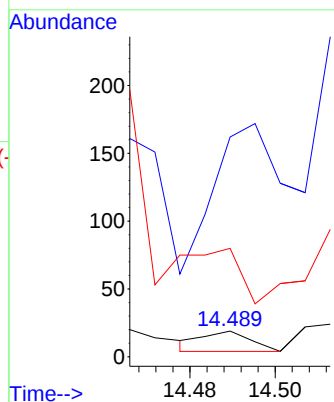
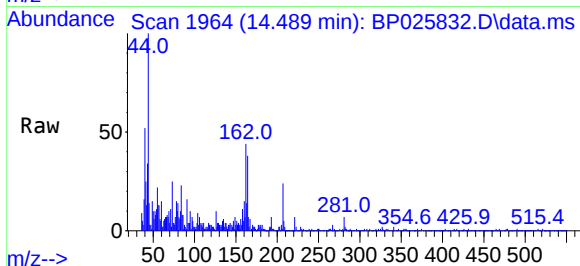




#54
2,4-Dinitrophenol
Concen: 4.827 ng
RT: 14.489 min Scan# 1964
Delta R.T. -0.018 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

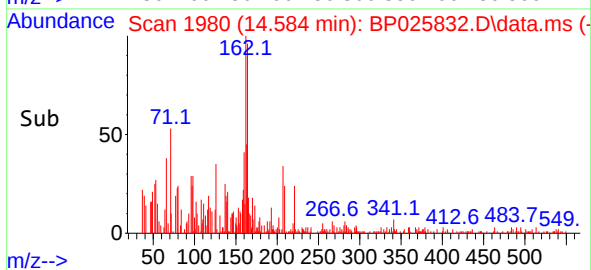
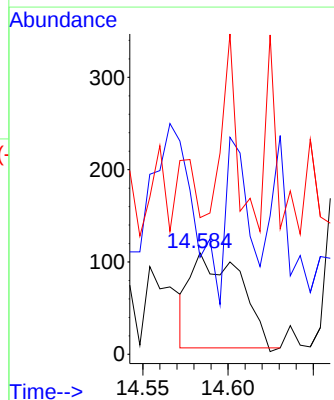
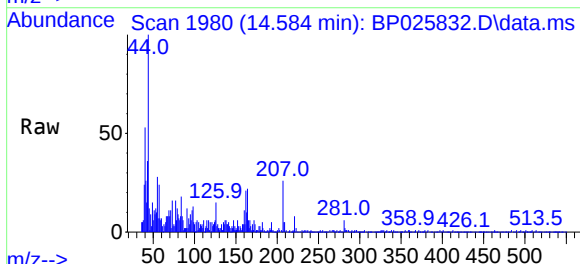
Instrument :
BNA_P
ClientSampleId :
SP-A

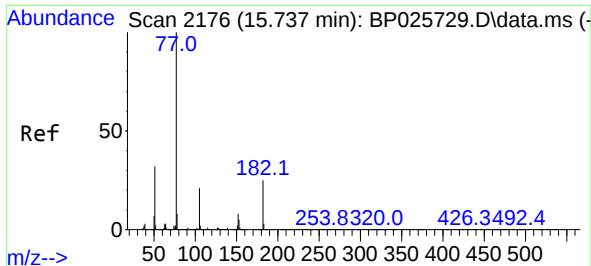
Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 852.6 52.5 78.7#
154 421.1 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.515 ng
RT: 14.584 min Scan# 1980
Delta R.T. -0.035 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:139 Resp: 207
Ion Ratio Lower Upper
139 100
109 95.5 62.9 102.9
65 134.5 83.4 123.4#



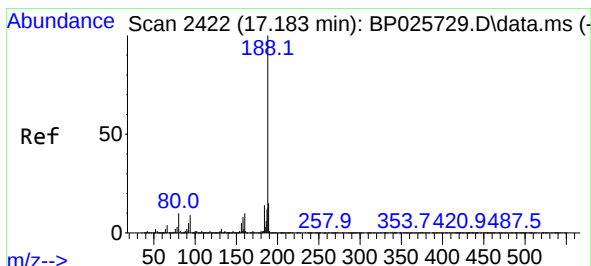
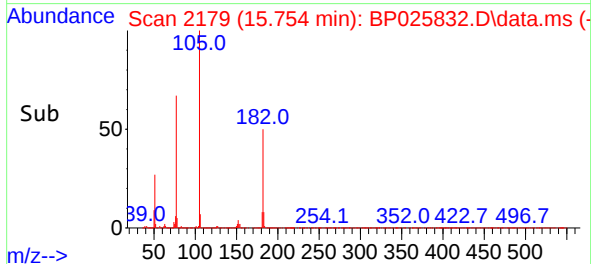
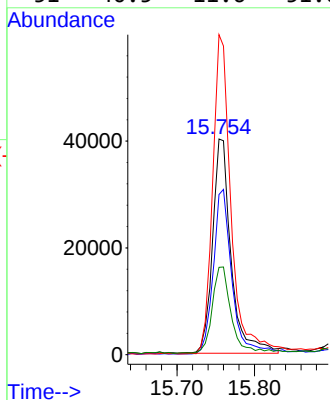
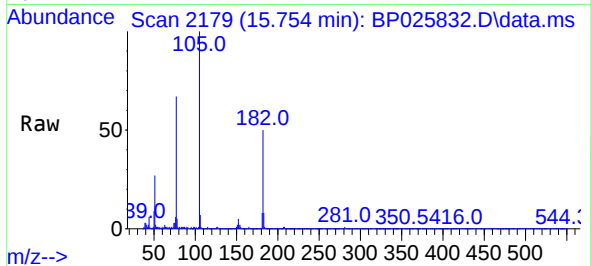


#63
Azobenzene
Concen: 2.169 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.018 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Instrument :
BNA_P
ClientSampleId :
SP-A

Tgt Ion: 77 Resp: 66999

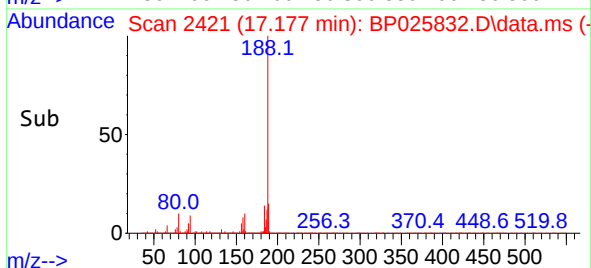
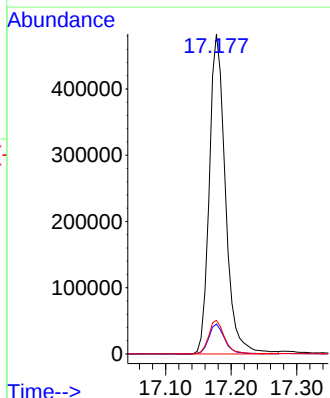
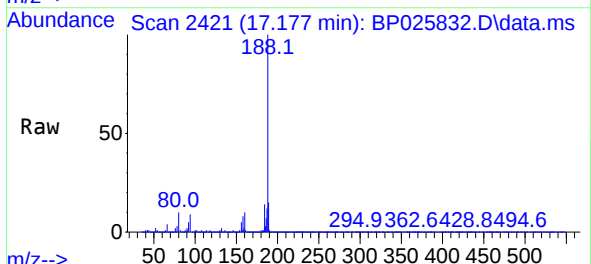
Ion	Ratio	Lower	Upper
77	100		
182	74.2	5.2	45.2#
105	148.3	1.1	41.1#
51	40.5	11.6	51.6

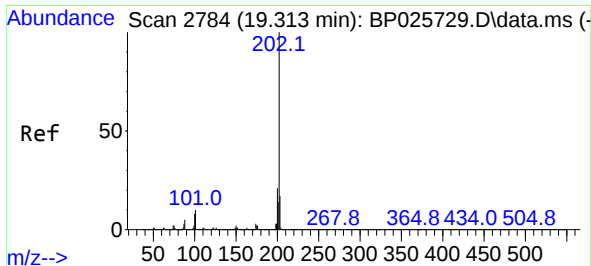


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.177 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion: 188 Resp: 824237

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.0
80	10.5	7.7	11.5

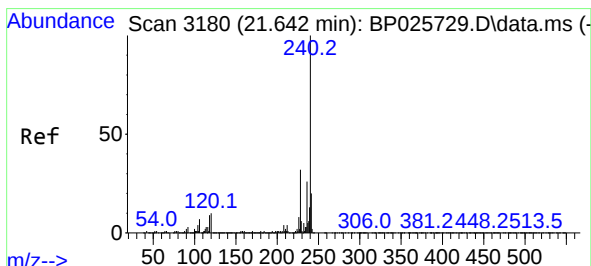
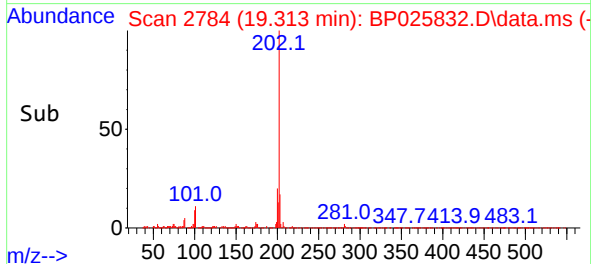
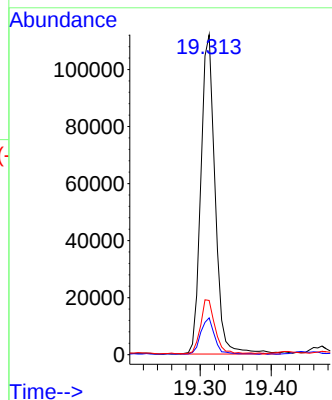
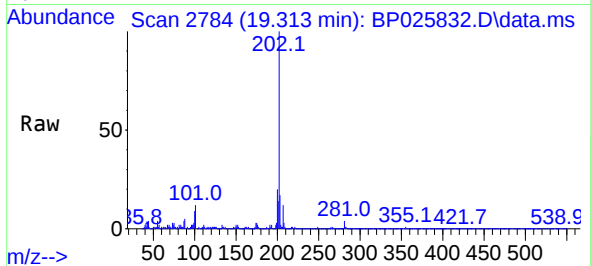




#75
Fluoranthene
Concen: 2.799 ng
RT: 19.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

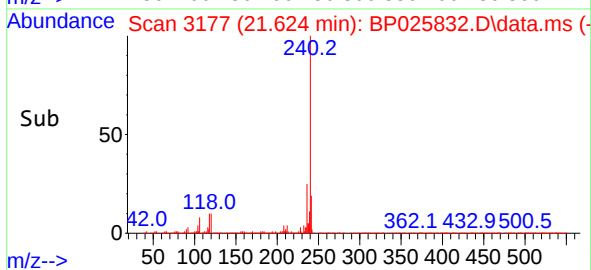
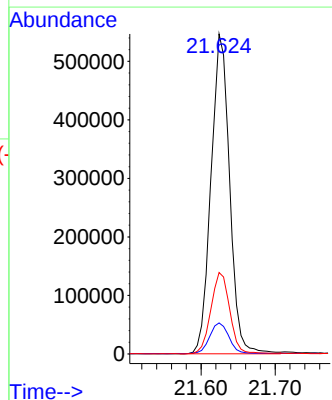
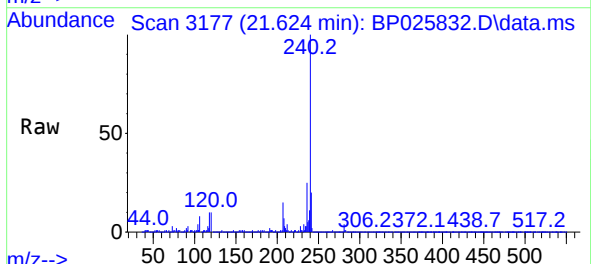
Instrument :
BNA_P
ClientSampleId :
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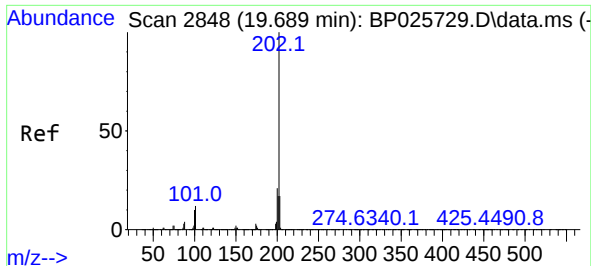
Tgt Ion:202 Resp: 156968
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.4
203 16.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.018 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:240 Resp: 953215
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.4 20.7 31.1

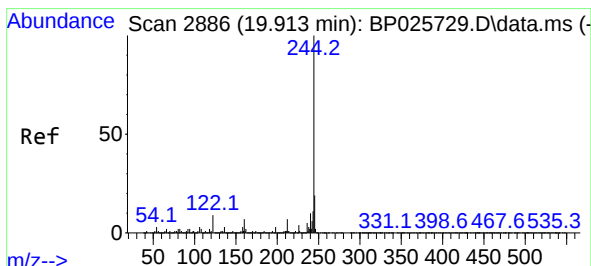
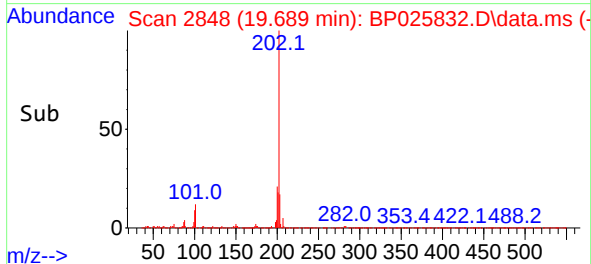
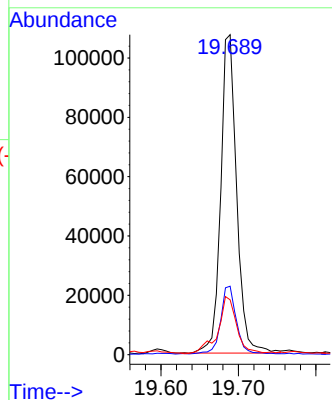
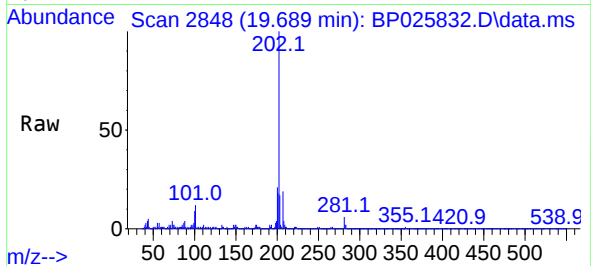




#78
Pyrene
Concen: 2.412 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.000 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

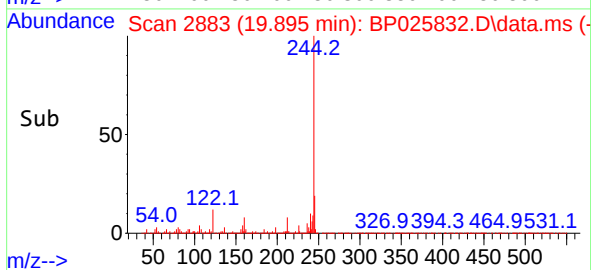
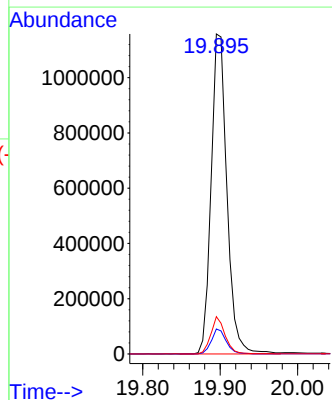
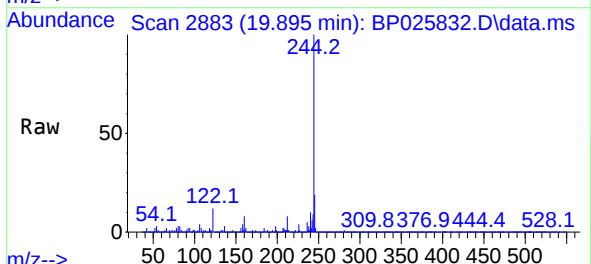
Instrument :
BNA_P
ClientSampleId :
SP-A

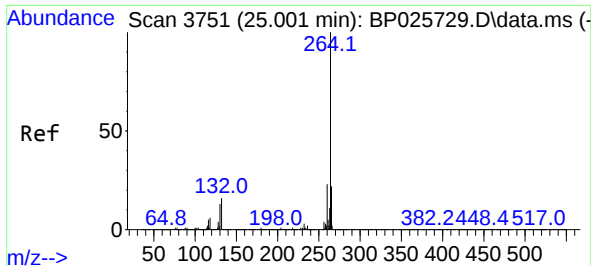
Tgt Ion:202 Resp: 153412
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.2 13.9 20.9



#79
Terphenyl-d14
Concen: 31.017 ng
RT: 19.895 min Scan# 2883
Delta R.T. -0.018 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:244 Resp: 1643464
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 11.6 7.1 10.7#



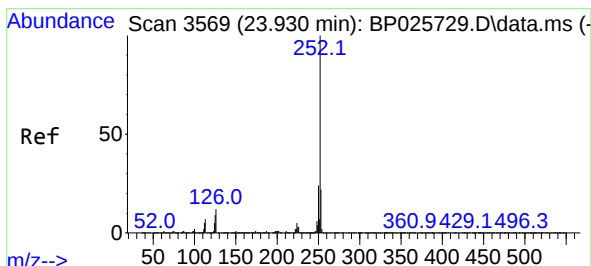
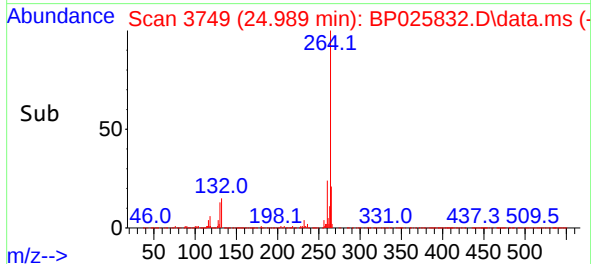
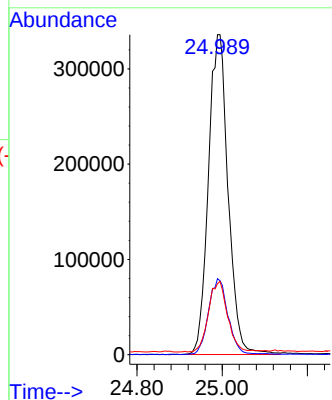
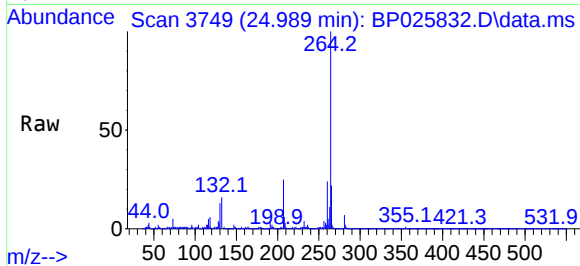


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Instrument :
BNA_P
ClientSampleId :
SP-A

Tgt Ion:264 Resp: 1080999

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	22.2	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 2.204 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.000 min
Lab File: BP025832.D
Acq: 23 Sep 2025 16:37

Tgt Ion:252 Resp: 145705

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	13.9	7.3	10.9

