

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092325\
 Data File : BP025837.D
 Acq On : 23 Sep 2025 20:04
 Operator : CG/JU
 Sample : Q3145-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-B

Quant Time: Sep 24 00:27:00 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)

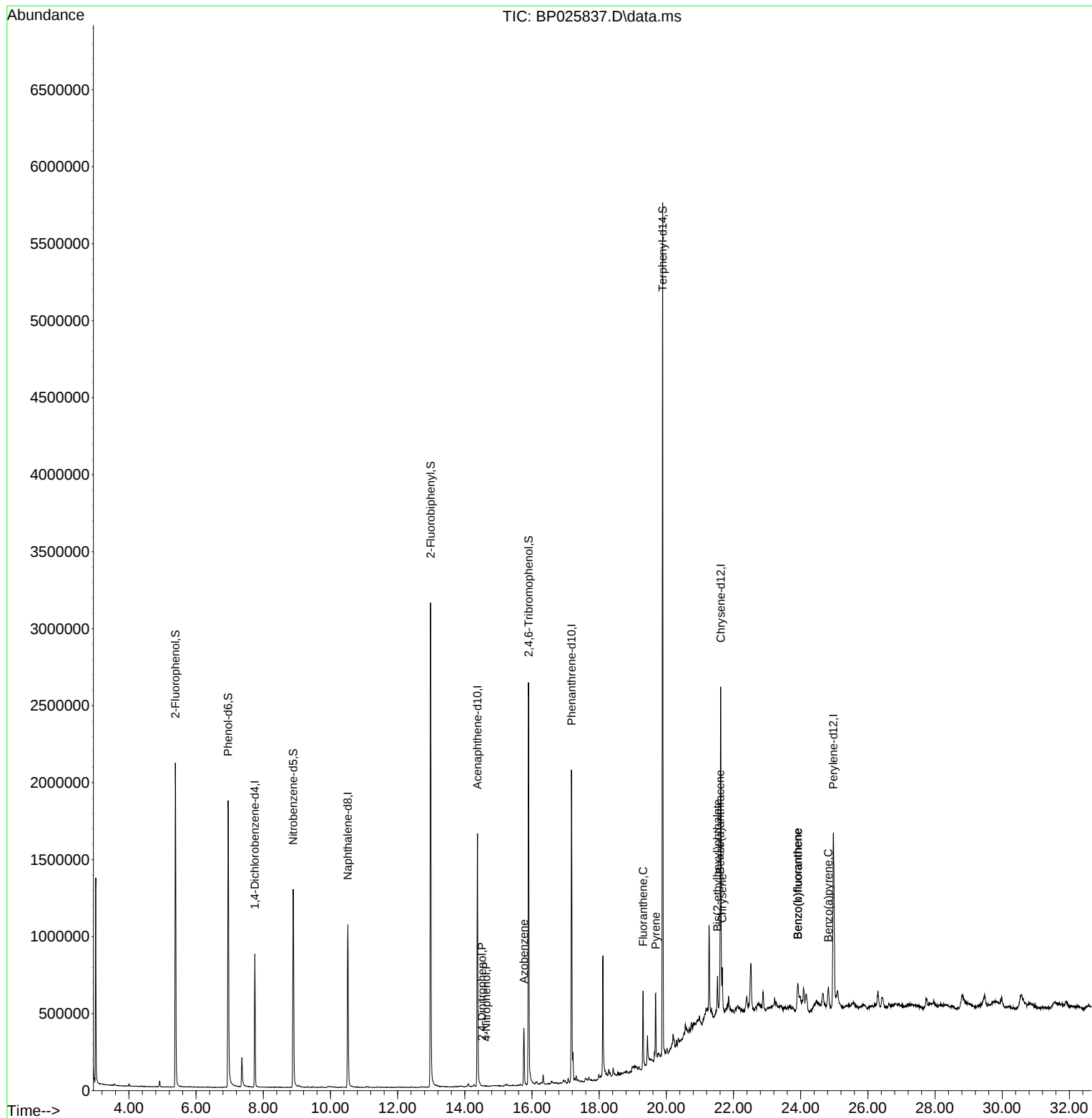
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.748	152	224630	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	929841	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	624832	20.000	ng	0.00
64) Phenanthrene-d10	17.177	188	1231252	20.000	ng	0.00
76) Chrysene-d12	21.618	240	1116242	20.000	ng	-0.02
86) Perylene-d12	24.971	264	1206590	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	967720	69.513	ng	0.00
7) Phenol-d6	6.954	99	1246699	67.374	ng	0.00
23) Nitrobenzene-d5	8.890	82	860728	40.832	ng	-0.01
42) 2,4,6-Tribromophenol	15.901	330	536205	68.801	ng	0.00
45) 2-Fluorobiphenyl	12.983	172	1904305	40.580	ng	0.00
79) Terphenyl-d14	19.889	244	2667838	42.996	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.513	184	48	4.831	ng	# 1
56) 4-Nitrophenol	14.636	139	92	4.492	ng	# 55
63) Azobenzene	15.760	77	139498	2.981	ng	# 1
75) Fluoranthene	19.307	202	293687	3.506	ng	99
78) Pyrene	19.683	202	277875	3.731	ng	99
81) Benzo(a)anthracene	21.601	228	158749	2.077	ng	98
83) Chrysene	21.665	228	161624	2.219	ng	96
84) Bis(2-ethylhexyl)phtha...	21.524	149	99451	2.081	ng	99
88) Benzo(b)fluoranthene	23.912	252	216512	2.934	ng	# 97
89) Benzo(k)fluoranthene	23.912	252	216512	2.876	ng	96
90) Benzo(a)pyrene	24.824	252	147836	2.046	ng	# 93

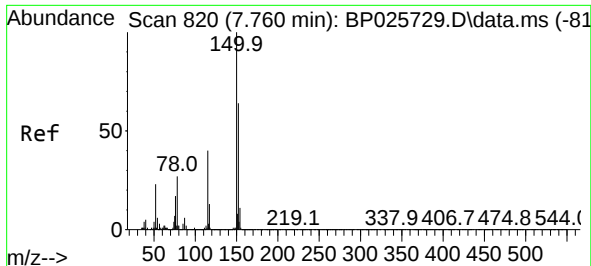
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092325\
Data File : BP025837.D
Acq On : 23 Sep 2025 20:04
Operator : CG/JU
Sample : Q3145-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SP-B

Quant Time: Sep 24 00:27:00 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

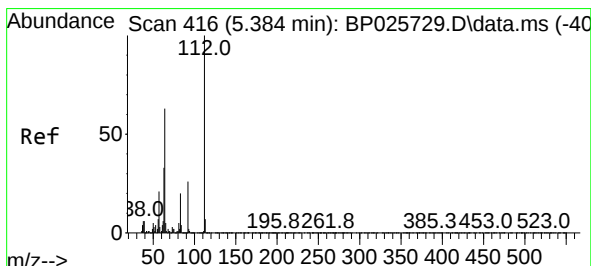
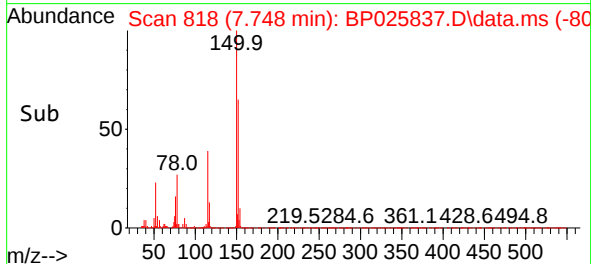
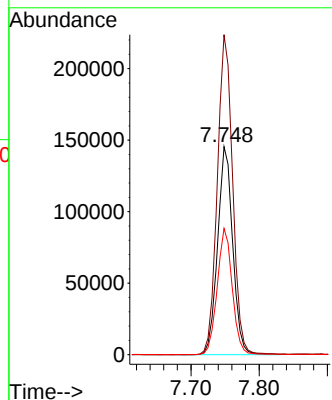
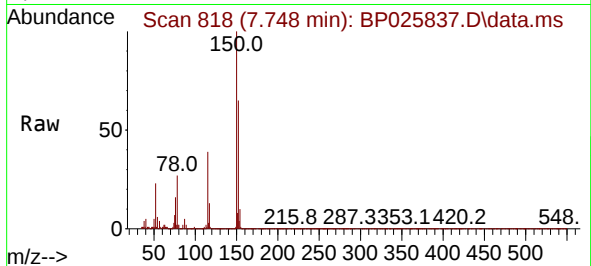




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.748 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

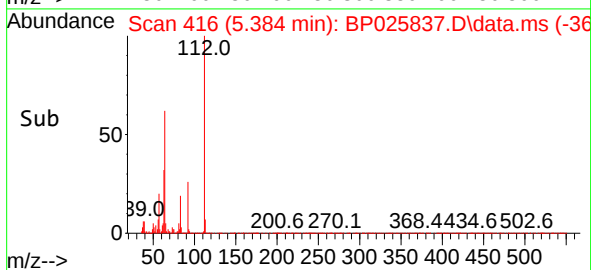
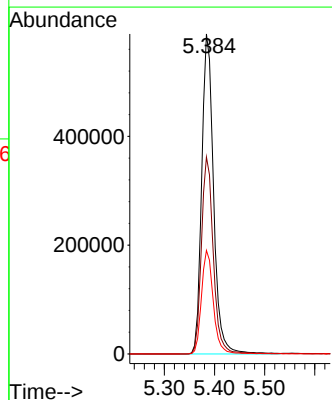
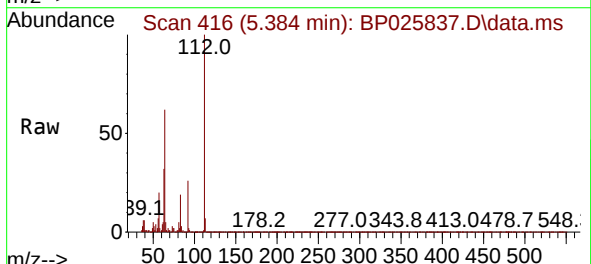
Instrument :
BNA_P
ClientSampleId :
SP-B

Tgt Ion:152 Resp: 224630
Ion Ratio Lower Upper
152 100
150 153.8 124.3 186.5
115 60.7 50.3 75.5



#5
2-Fluorophenol
Concen: 69.513 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

Tgt Ion:112 Resp: 967720
Ion Ratio Lower Upper
112 100
64 61.6 50.2 75.4
63 32.4 26.7 40.1

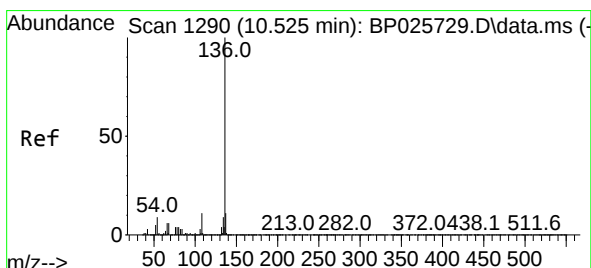
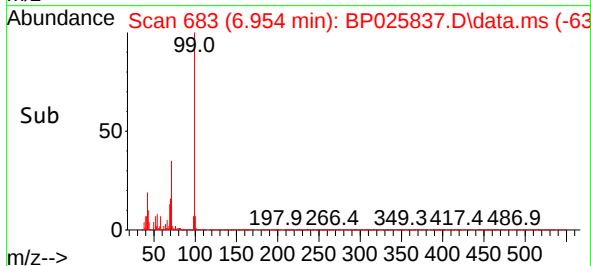
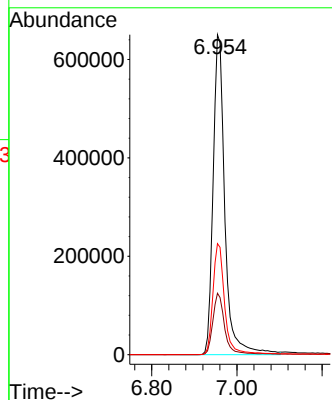
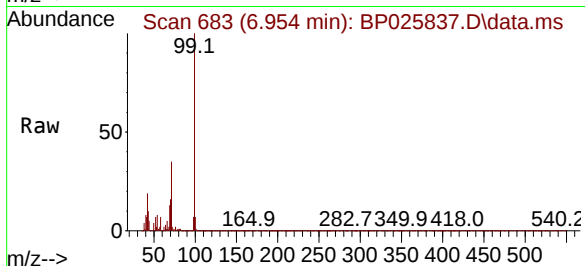




#7
Phenol-d6
Concen: 67.374 ng
RT: 6.954 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

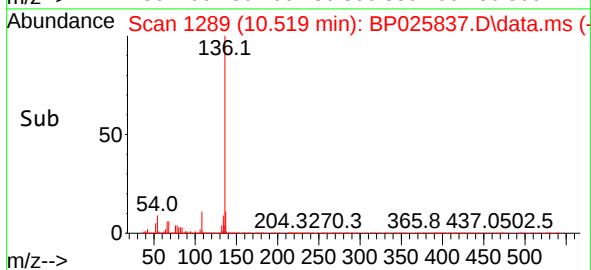
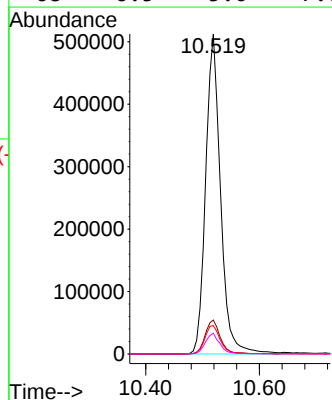
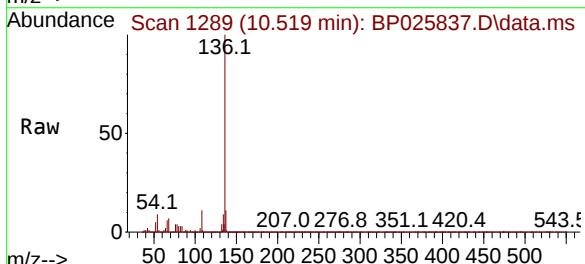
Instrument :
BNA_P
ClientSampleId :
SP-B

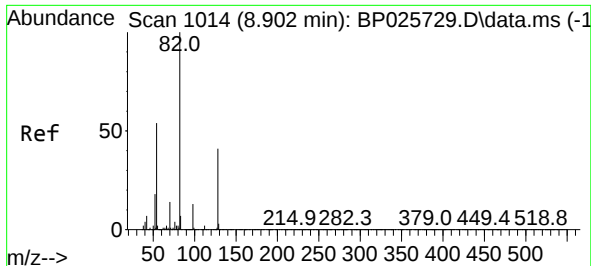
Tgt Ion: 99 Resp: 1246699
Ion Ratio Lower Upper
99 100
42 19.2 15.6 23.4
71 34.7 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

Tgt Ion:136 Resp: 929841
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 8.9 7.5 11.3
68 6.5 5.0 7.6

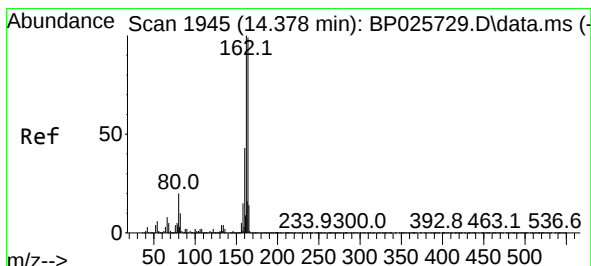
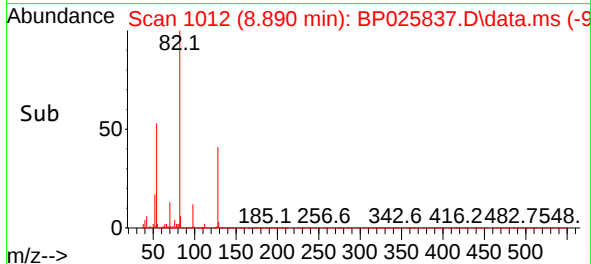
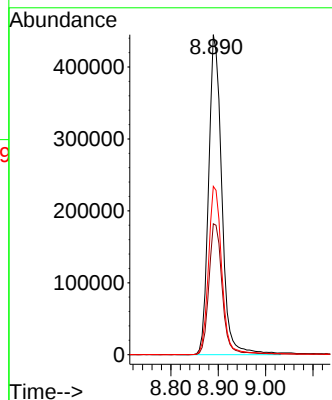
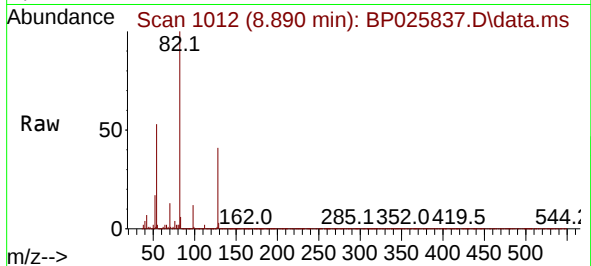




#23
 Nitrobenzene-d5
 Concen: 40.832 ng
 RT: 8.890 min Scan# 1014
 Delta R.T. -0.012 min
 Lab File: BP025837.D
 Acq: 23 Sep 2025 20:04

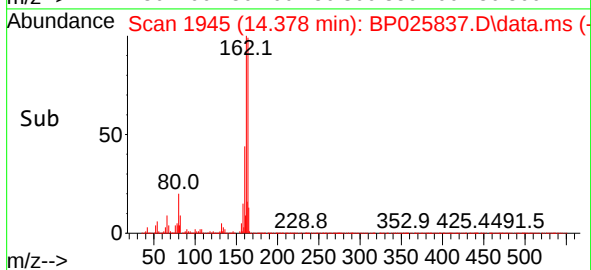
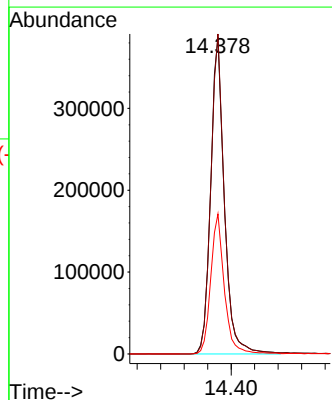
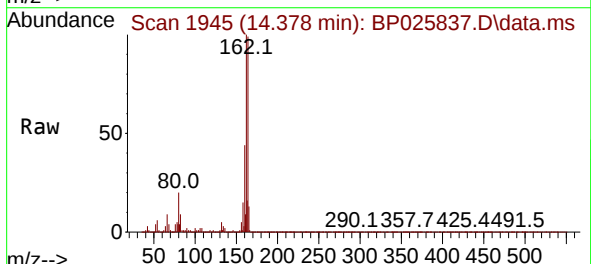
Instrument :
 BNA_P
 ClientSampleId :
 SP-B

Tgt Ion: 82 Resp: 860728
 Ion Ratio Lower Upper
 82 100
 128 40.9 32.9 49.3
 54 52.6 43.4 65.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.378 min Scan# 1945
 Delta R.T. -0.000 min
 Lab File: BP025837.D
 Acq: 23 Sep 2025 20:04

Tgt Ion: 164 Resp: 624832
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.6 120.8
 160 44.2 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 68.801 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

Instrument :

BNA_P

ClientSampleId :

SP-B

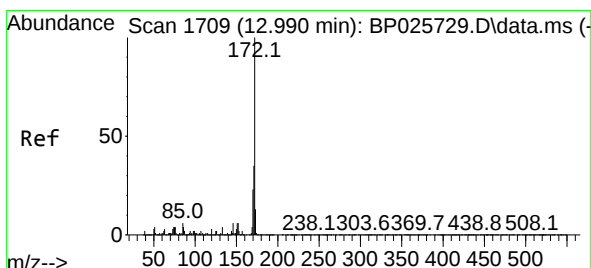
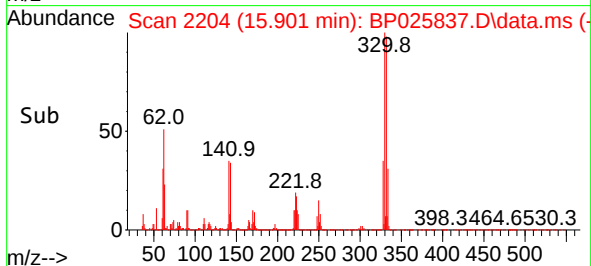
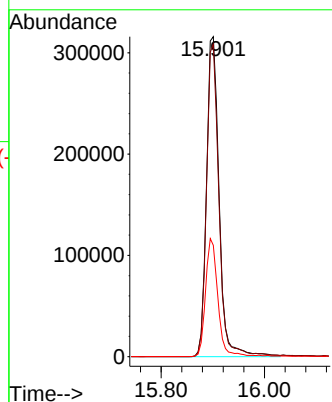
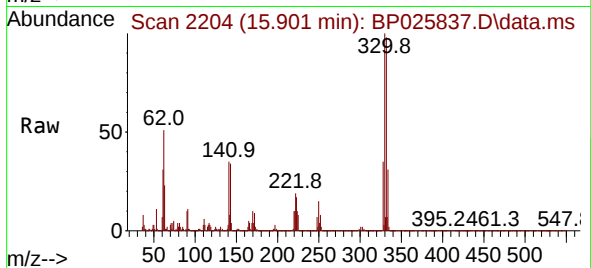
Tgt Ion:330 Resp: 536205

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 36.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 40.580 ng

RT: 12.983 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

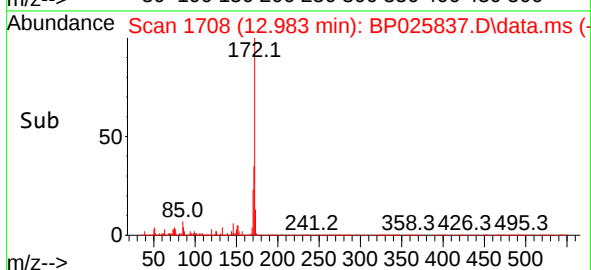
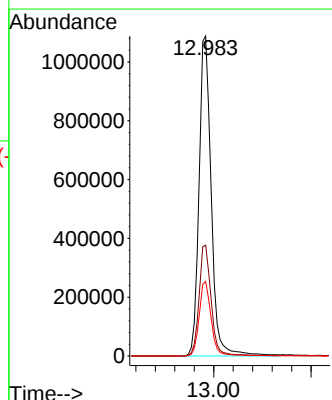
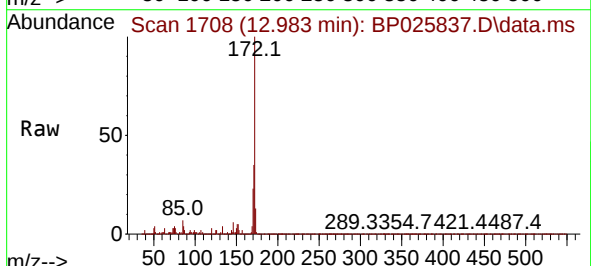
Tgt Ion:172 Resp: 1904305

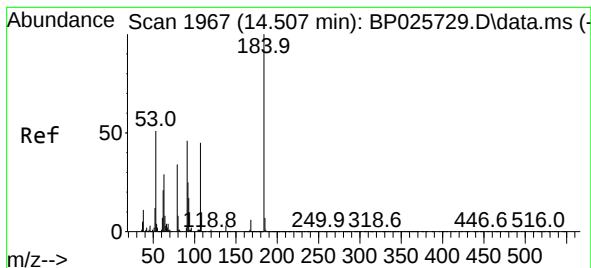
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.3 18.6 27.8





#54

2,4-Dinitrophenol

Concen: 4.831 ng

RT: 14.513 min Scan# 1968

Delta R.T. 0.006 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

Instrument :

BNA_P

ClientSampleId :

SP-B

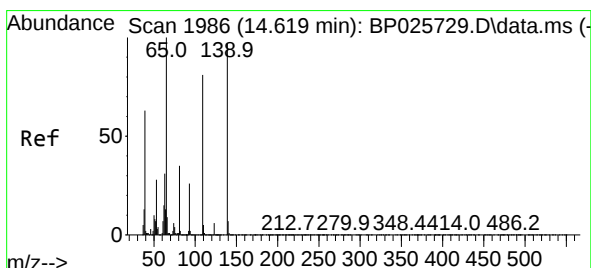
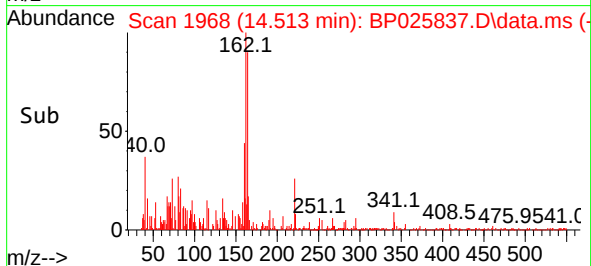
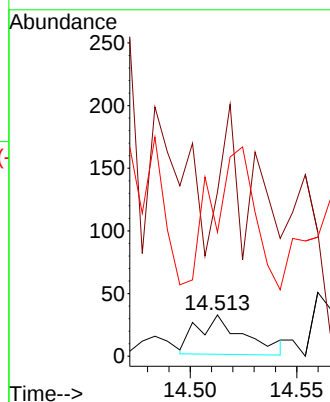
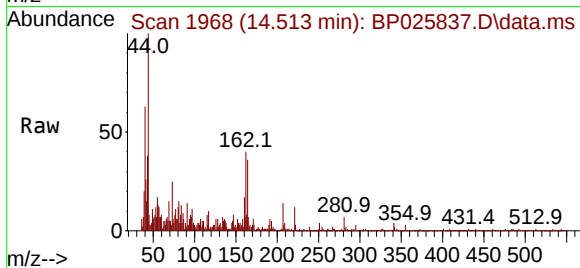
Tgt Ion:184 Resp: 48

Ion Ratio Lower Upper

184 100

63 397.0 52.5 78.7#

154 300.0 51.5 77.3#



#56

4-Nitrophenol

Concen: 4.492 ng

RT: 14.636 min Scan# 1989

Delta R.T. 0.017 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

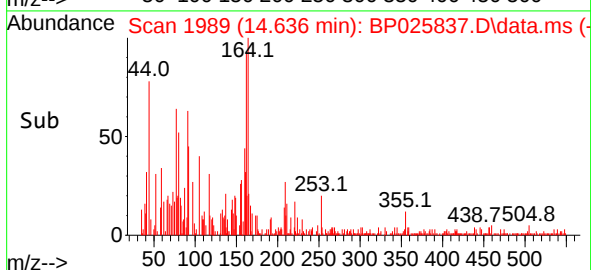
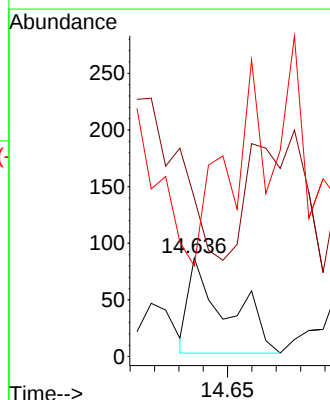
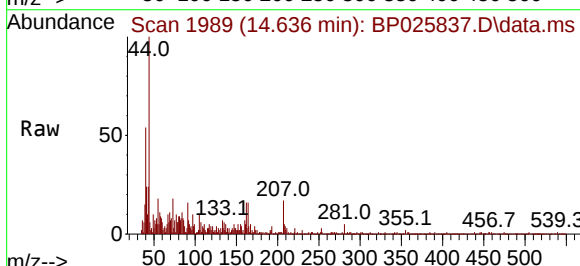
Tgt Ion:139 Resp: 92

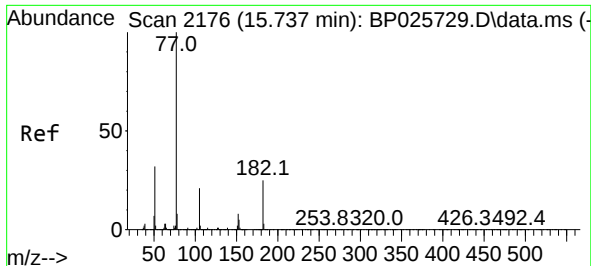
Ion Ratio Lower Upper

139 100

109 160.9 62.9 102.9#

65 92.0 83.4 123.4

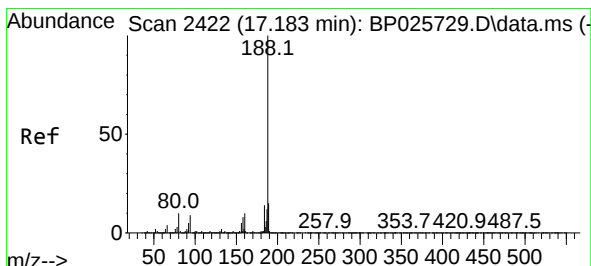
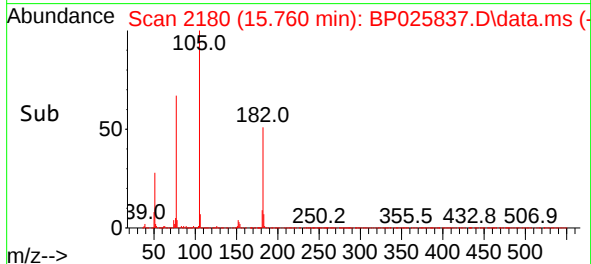
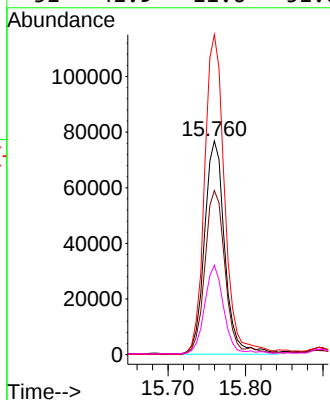
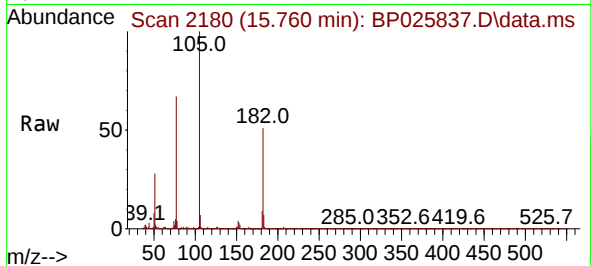




#63
Azobenzene
Concen: 2.981 ng
RT: 15.760 min Scan# 2176
Delta R.T. 0.023 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

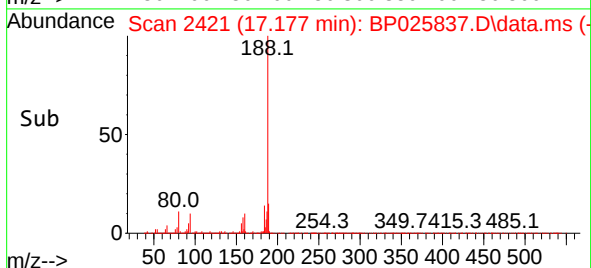
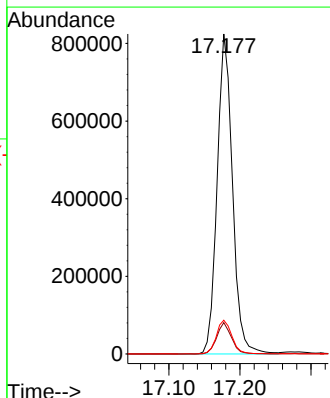
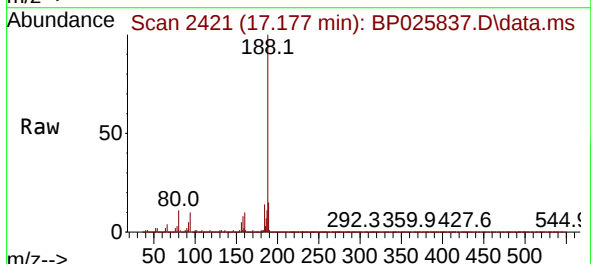
Instrument :
BNA_P
ClientSampleId :
SP-B

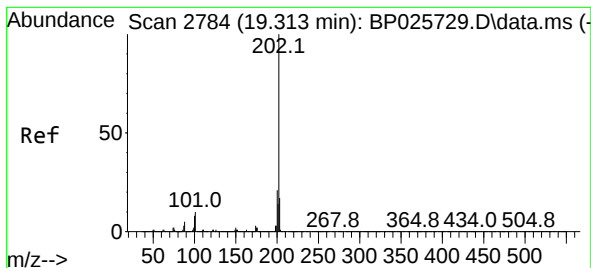
Tgt Ion: 77 Resp: 139498
Ion Ratio Lower Upper
77 100
182 76.8 5.2 45.2#
105 149.7 1.1 41.1#
51 41.9 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.177 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

Tgt Ion:188 Resp: 1231252
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.6 7.7 11.5





#75

Fluoranthene

Concen: 3.506 ng

RT: 19.307 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

Instrument :

BNA_P

ClientSampleId :

SP-B

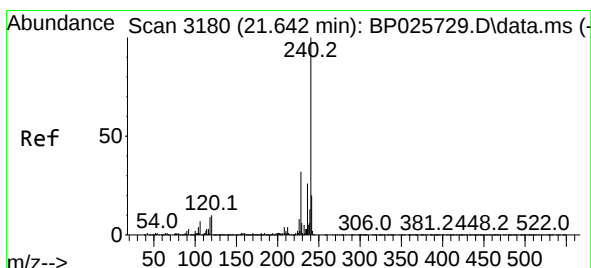
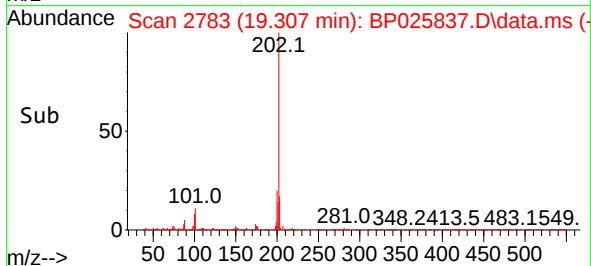
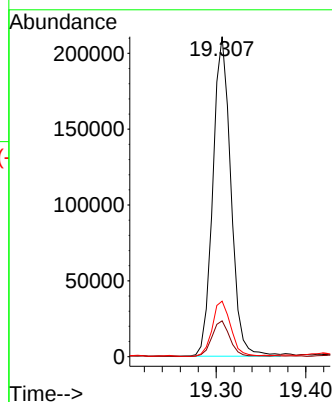
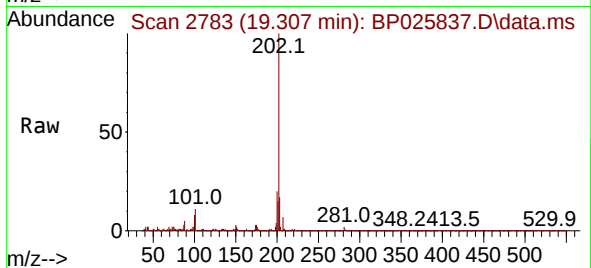
Tgt Ion:202 Resp: 293687

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.4

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.024 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

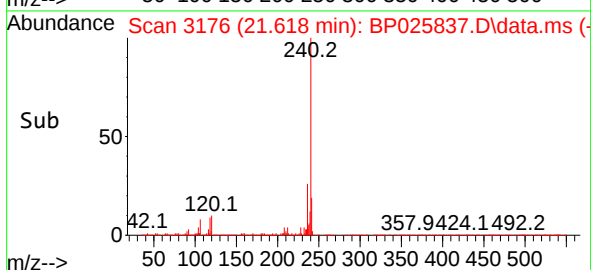
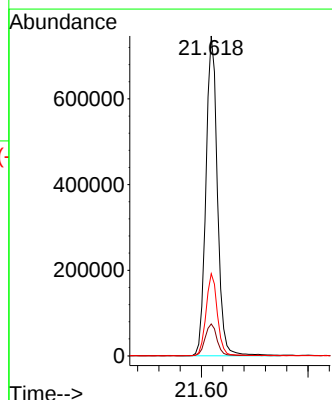
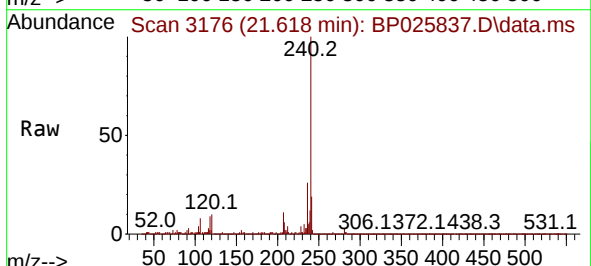
Tgt Ion:240 Resp: 1116242

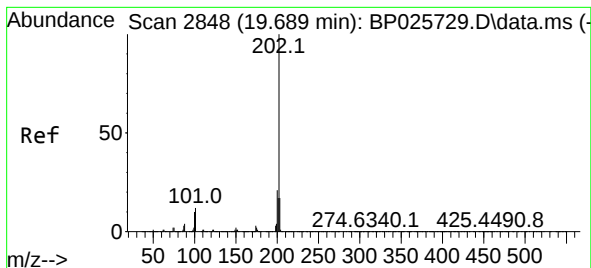
Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 25.7 20.7 31.1





#78

Pyrene

Concen: 3.731 ng

RT: 19.683 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

Instrument :

BNA_P

ClientSampleId :

SP-B

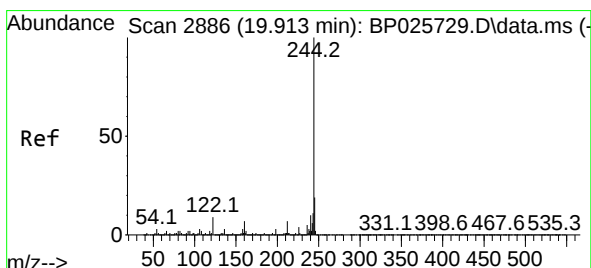
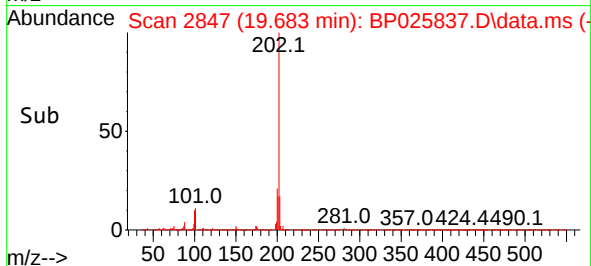
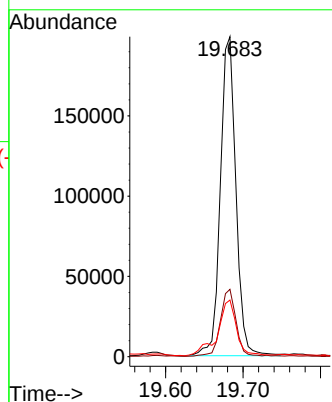
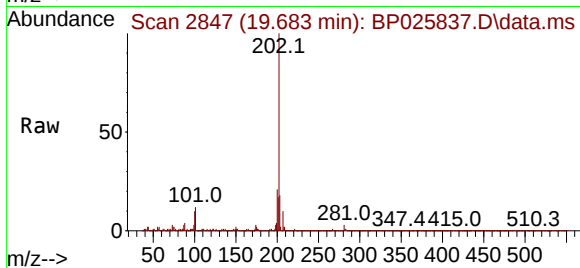
Tgt Ion:202 Resp: 277875

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 42.996 ng

RT: 19.889 min Scan# 2882

Delta R.T. -0.024 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

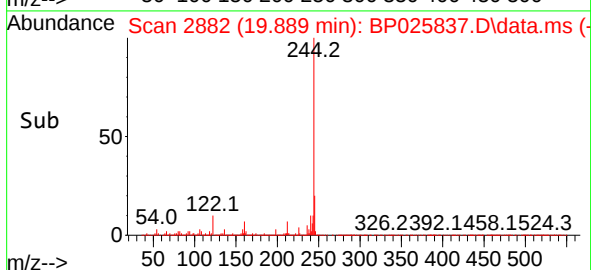
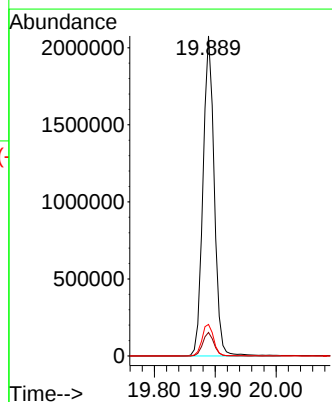
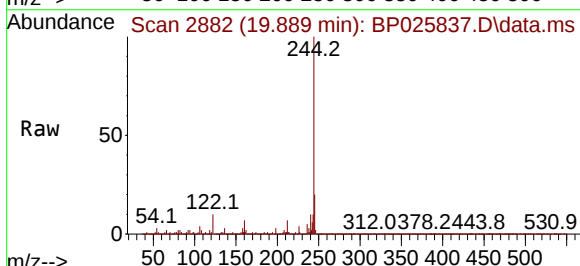
Tgt Ion:244 Resp: 2667838

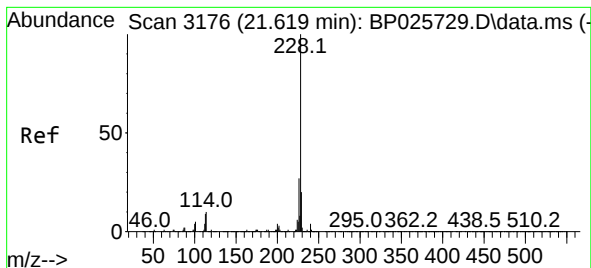
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.9 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.077 ng

RT: 21.601 min Scan# 3173

Delta R.T. -0.018 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

Instrument :

BNA_P

ClientSampleId :

SP-B

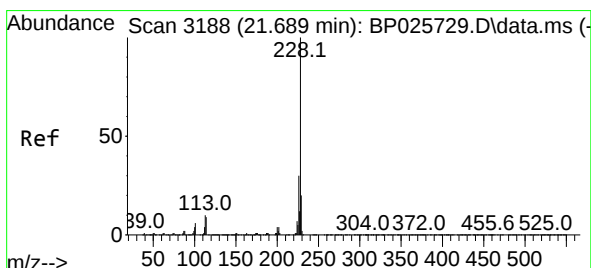
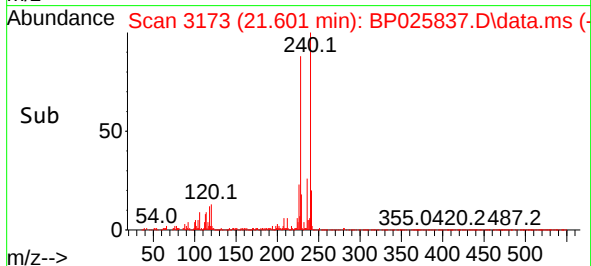
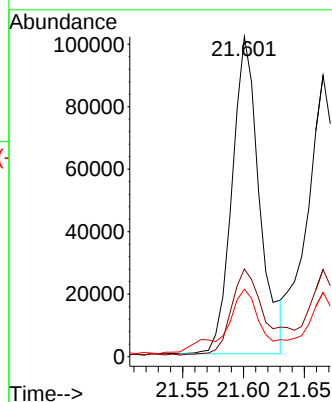
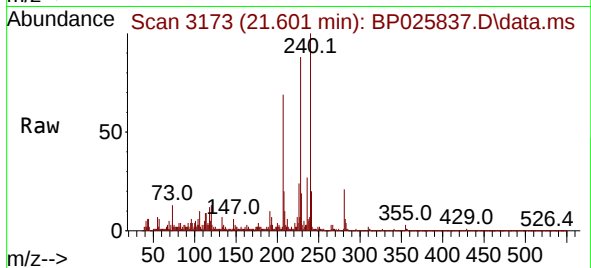
Tgt Ion:228 Resp: 158749

Ion Ratio Lower Upper

228 100

226 27.4 21.6 32.4

229 21.1 15.7 23.5



#83

Chrysene

Concen: 2.219 ng

RT: 21.665 min Scan# 3184

Delta R.T. -0.024 min

Lab File: BP025837.D

Acq: 23 Sep 2025 20:04

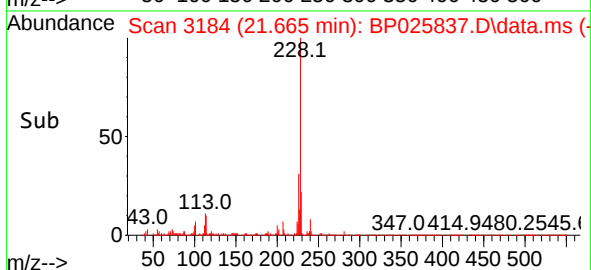
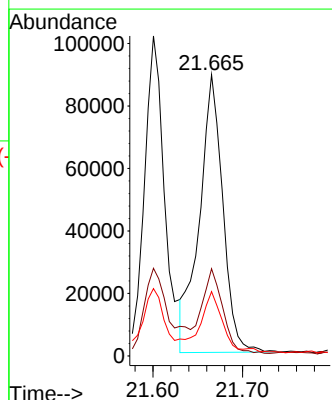
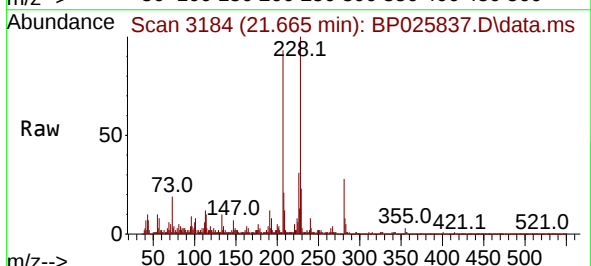
Tgt Ion:228 Resp: 161624

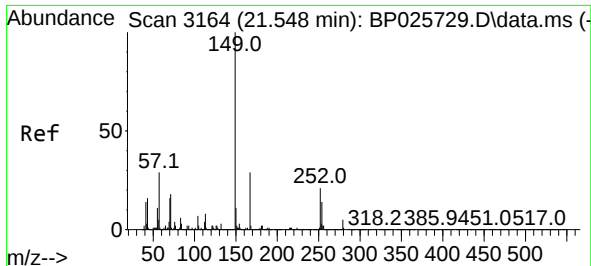
Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

229 22.9 15.6 23.4

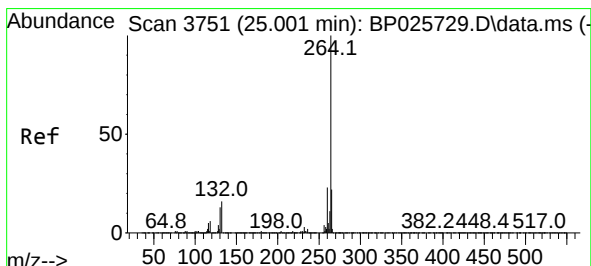
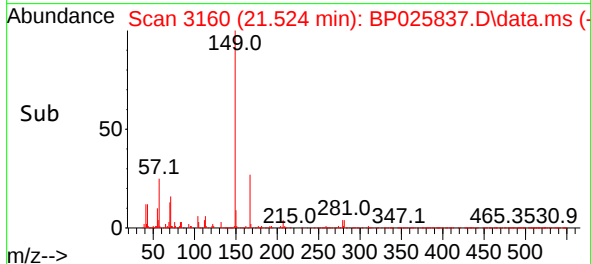
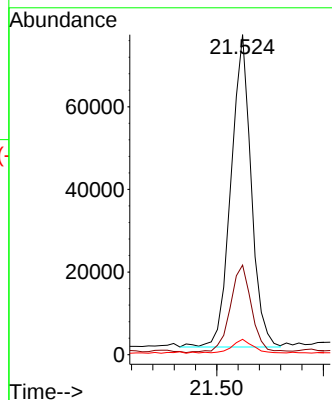
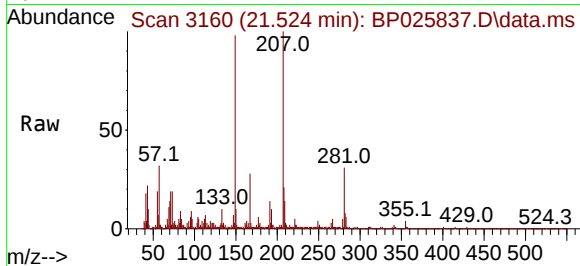




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.081 ng
RT: 21.524 min Scan# 3160
Delta R.T. -0.024 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

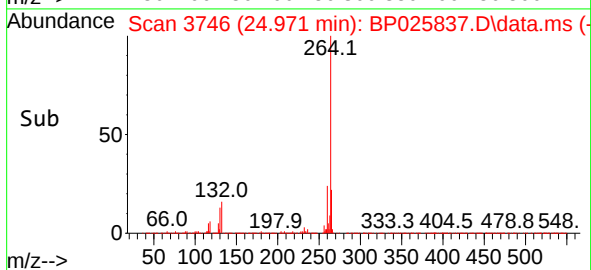
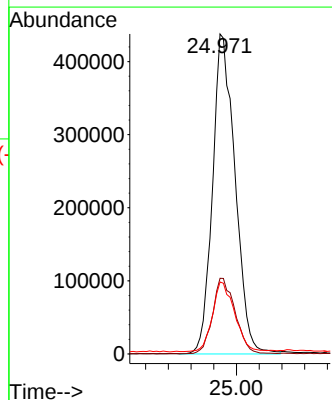
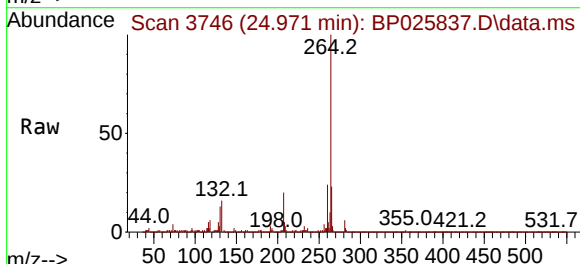
Instrument :
BNA_P
ClientSampleId :
SP-B

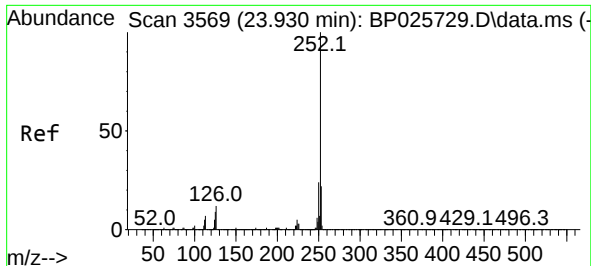
Tgt Ion:149 Resp: 99451
Ion Ratio Lower Upper
149 100
167 28.0 22.9 34.3
279 4.8 3.8 5.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.971 min Scan# 3746
Delta R.T. -0.030 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

Tgt Ion:264 Resp: 1206590
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 22.5 17.3 25.9

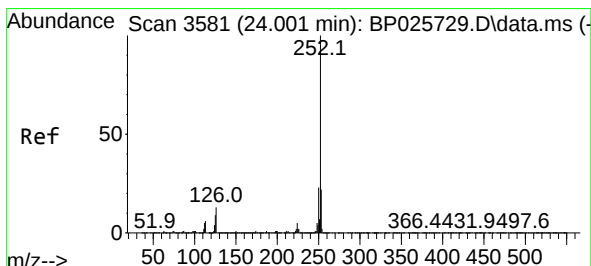
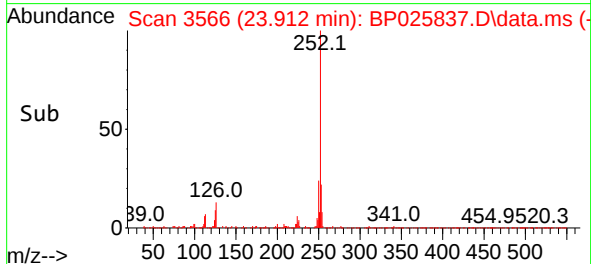
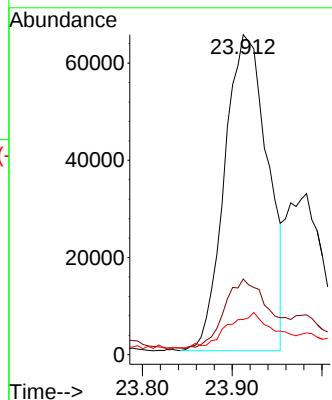
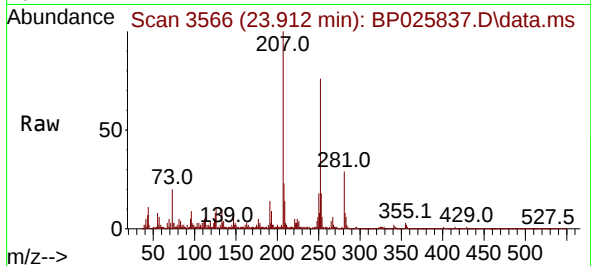




#88
Benzo(b)fluoranthene
Concen: 2.934 ng
RT: 23.912 min Scan# 3566
Delta R.T. -0.018 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

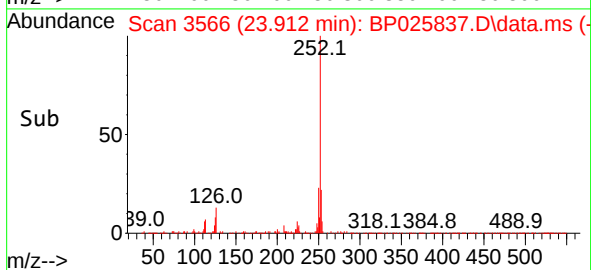
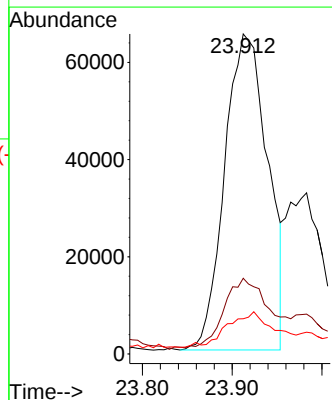
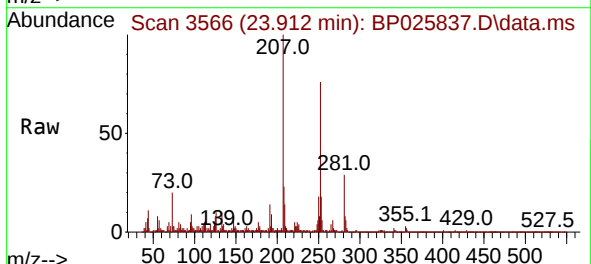
Instrument :
BNA_P
ClientSampleId :
SP-B

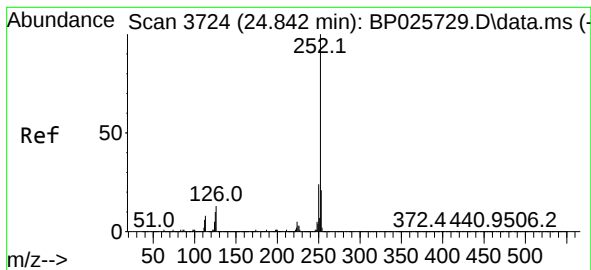
Tgt Ion:252 Resp: 216512
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 11.0 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 2.876 ng
RT: 23.912 min Scan# 3566
Delta R.T. -0.088 min
Lab File: BP025837.D
Acq: 23 Sep 2025 20:04

Tgt Ion:252 Resp: 216512
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 2.046 ng

RT: 24.824 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025837.D

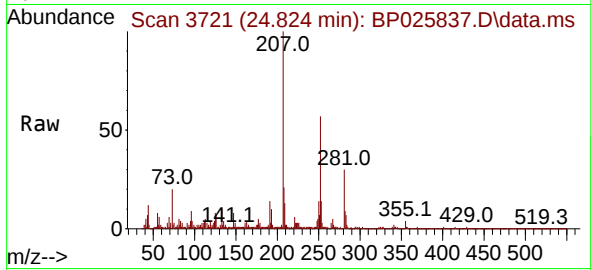
Acq: 23 Sep 2025 20:04

Instrument :

BNA_P

ClientSampleId :

SP-B



Tgt Ion:252 Resp: 147836

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

125 13.3 8.3 12.5#

