

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051925\
 Data File : BP024690.D
 Acq On : 19 May 2025 15:35
 Operator : RC/JU
 Sample : Q2032-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-24

Quant Time: May 19 18:58:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.651	152	141952	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	538017	20.000	ng	-0.01
39) Acenaphthene-d10	14.286	164	308977	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	585624	20.000	ng	0.00
76) Chrysene-d12	21.521	240	714772	20.000	ng	0.00
86) Perylene-d12	24.815	264	916273	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	942490	113.560	ng	0.00
7) Phenol-d6	6.863	99	1132163	106.884	ng	0.01
23) Nitrobenzene-d5	8.804	82	696352	65.396	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	591929	113.006	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1581258	67.048	ng	0.00
79) Terphenyl-d14	19.810	244	2518645	60.421	ng	0.00

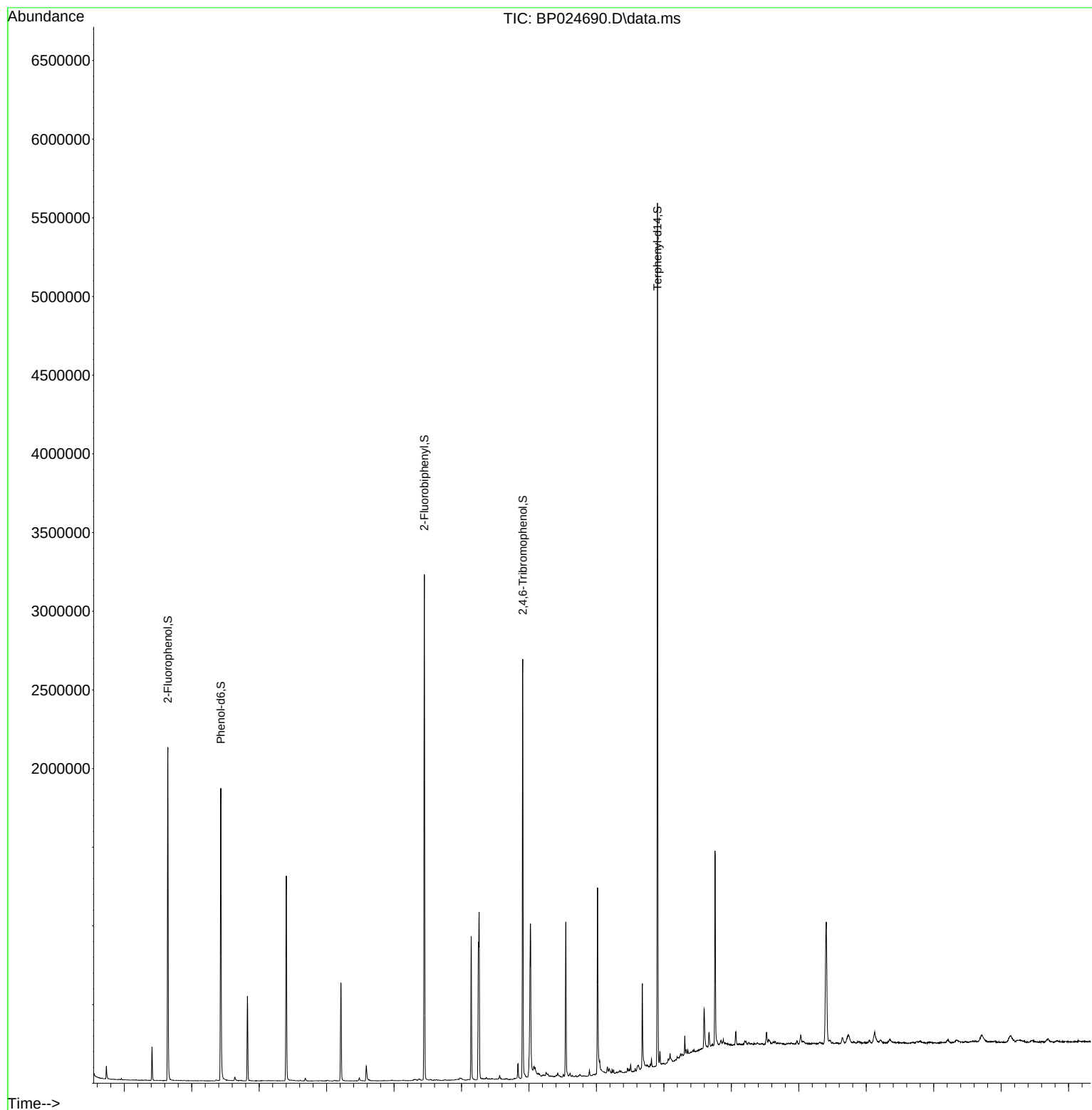
Target Compounds Qvalue

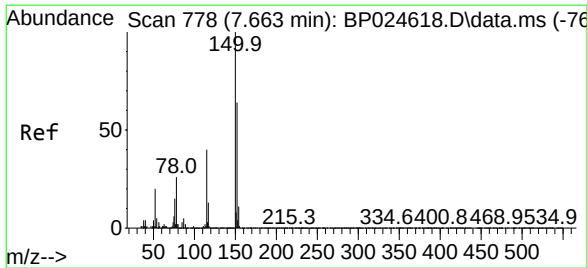
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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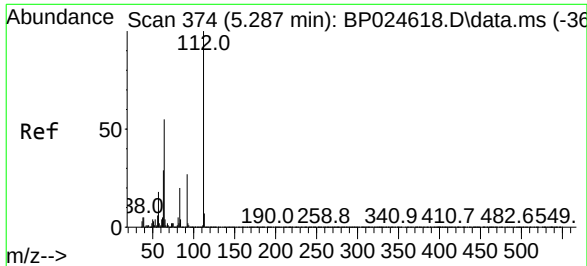
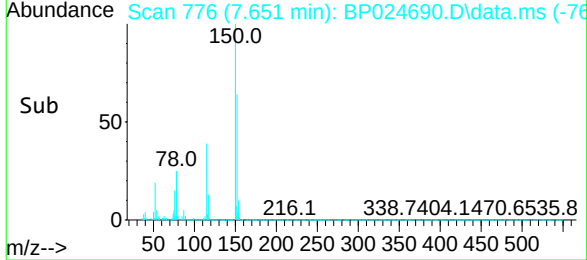
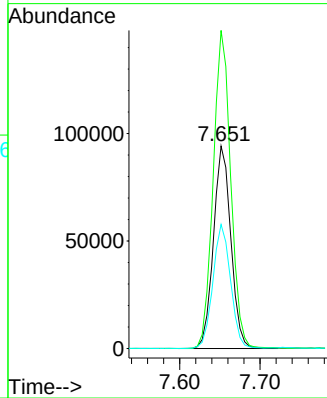
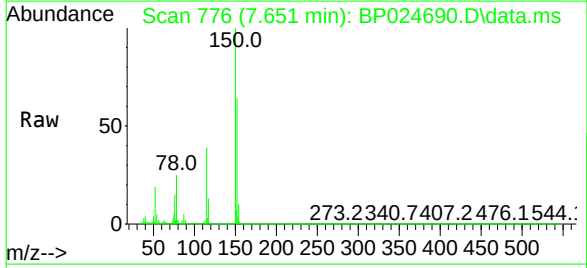




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.651 min Scan# 778
Delta R.T. -0.012 min
Lab File: BP024690.D
Acq: 19 May 2025 15:35

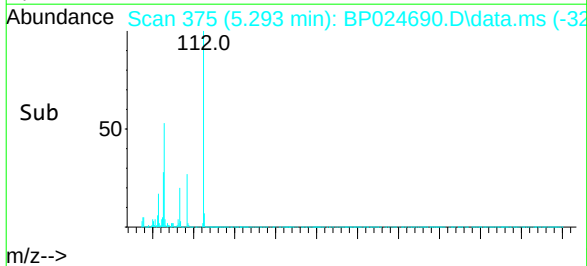
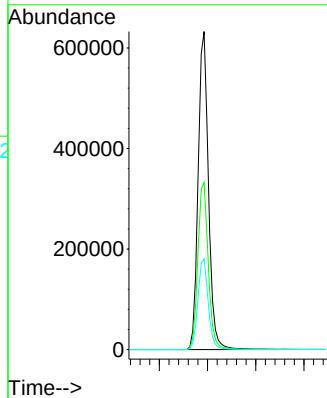
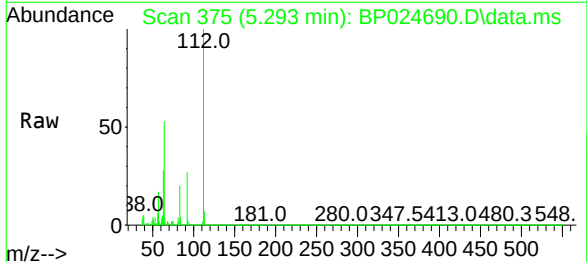
Instrument :
BNA_P
ClientSampleId :
TP-24

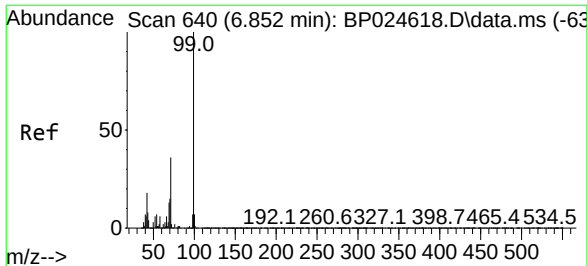
Tgt Ion:152 Resp: 141952
Ion Ratio Lower Upper
152 100
150 157.1 125.9 188.9
115 61.3 50.1 75.1



#5
2-Fluorophenol
Concen: 113.560 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024690.D
Acq: 19 May 2025 15:35

Tgt Ion:112 Resp: 942490
Ion Ratio Lower Upper
112 100
64 52.6 44.1 66.1
63 28.5 23.5 35.3





#7

Phenol-d6

Concen: 106.884 ng

RT: 6.863 min Scan# 64

Delta R.T. 0.012 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Instrument :

BNA_P

ClientSampleId :

TP-24

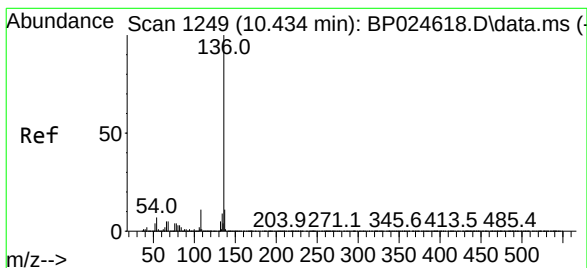
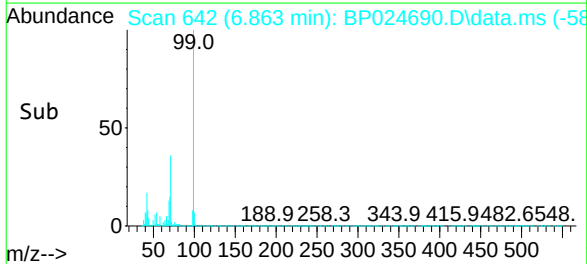
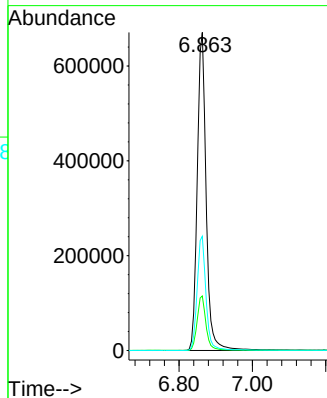
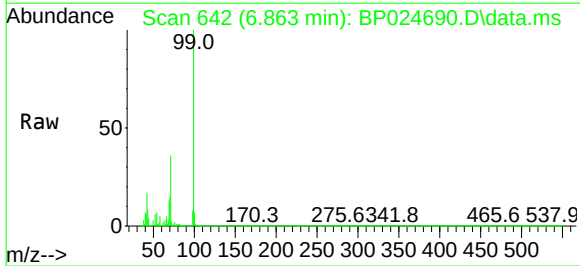
Tgt Ion: 99 Resp: 1132163

Ion Ratio Lower Upper

99 100

42 17.1 14.4 21.6

71 35.9 29.2 43.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.422 min Scan# 1247

Delta R.T. -0.012 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Tgt Ion: 136 Resp: 538017

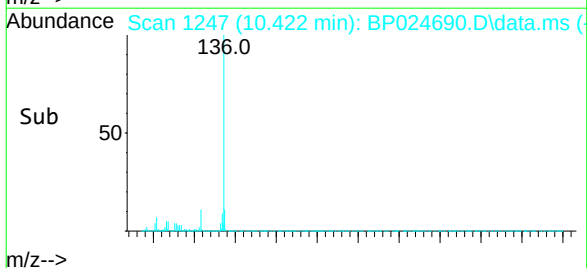
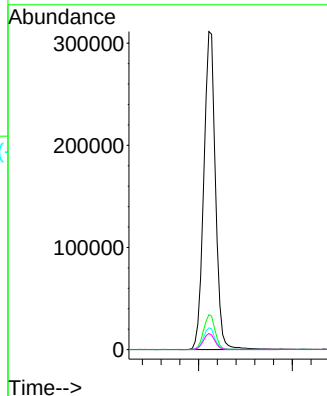
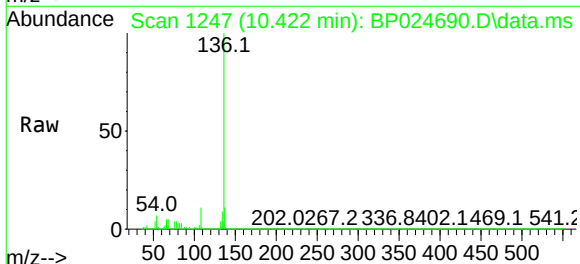
Ion Ratio Lower Upper

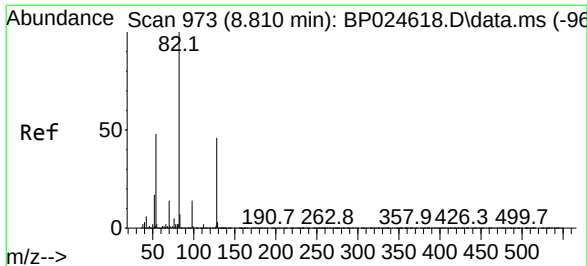
136 100

137 11.0 8.8 13.2

54 6.8 5.5 8.3

68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 65.396 ng

RT: 8.804 min Scan# 97

Delta R.T. -0.006 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Instrument :

BNA_P

ClientSampleId :

TP-24

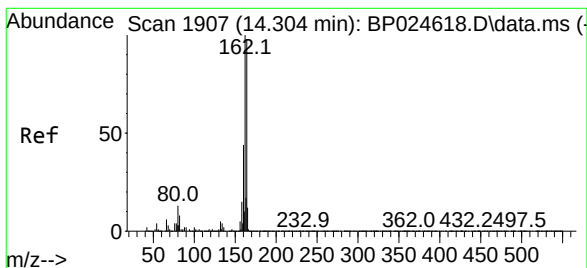
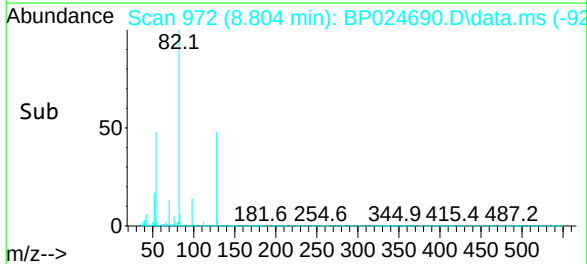
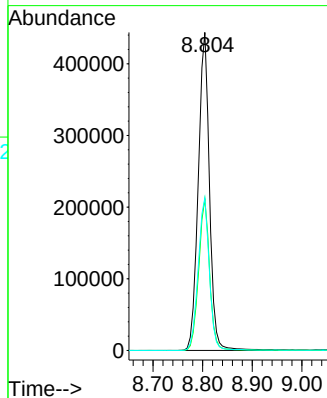
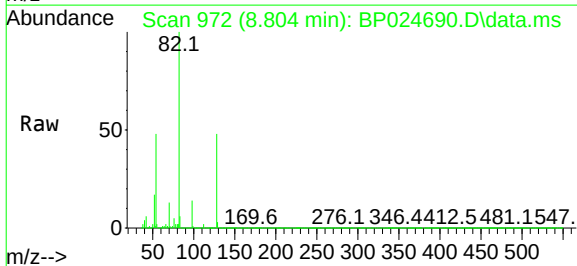
Tgt Ion: 82 Resp: 696352

Ion Ratio Lower Upper

82 100

128 47.6 37.0 55.4

54 48.0 38.7 58.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.286 min Scan# 1904

Delta R.T. -0.018 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

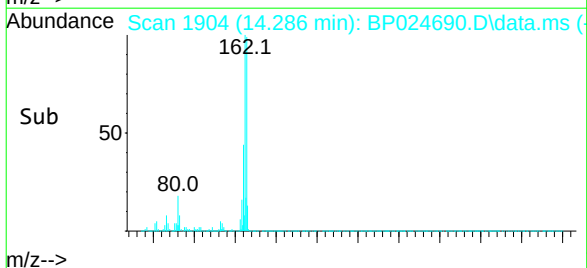
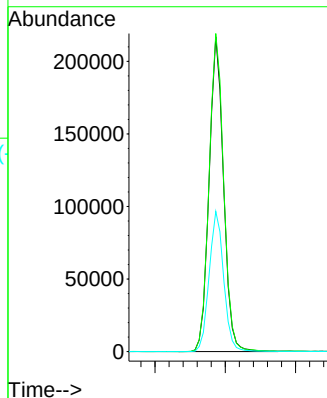
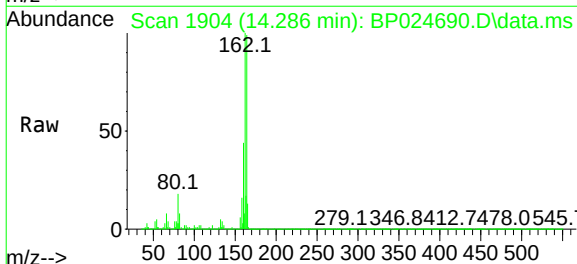
Tgt Ion: 164 Resp: 308977

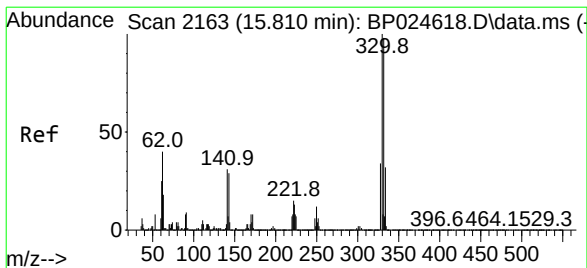
Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.6

160 44.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 113.006 ng

RT: 15.816 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Instrument :

BNA_P

ClientSampleId :

TP-24

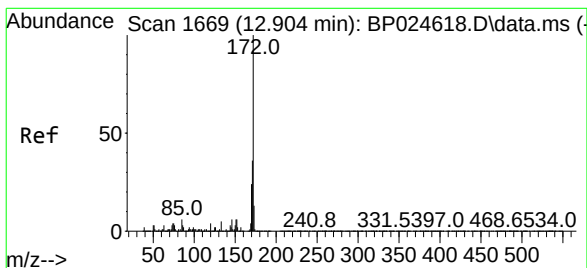
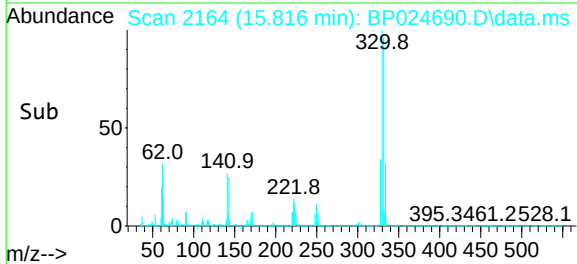
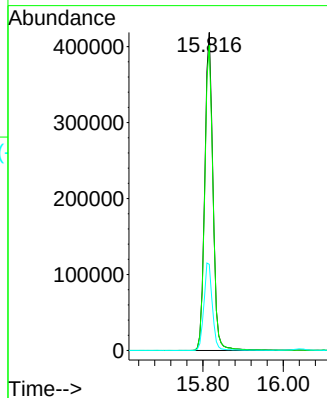
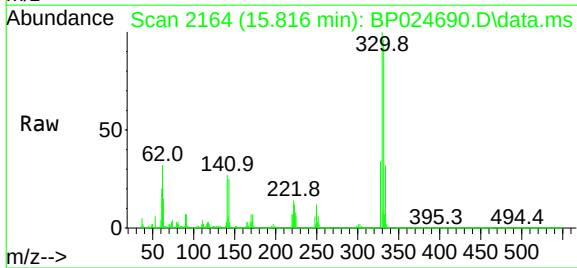
Tgt Ion:330 Resp: 591929

Ion Ratio Lower Upper

330 100

332 96.6 78.2 117.4

141 28.4 24.3 36.5



#45

2-Fluorobiphenyl

Concen: 67.048 ng

RT: 12.898 min Scan# 1668

Delta R.T. -0.006 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

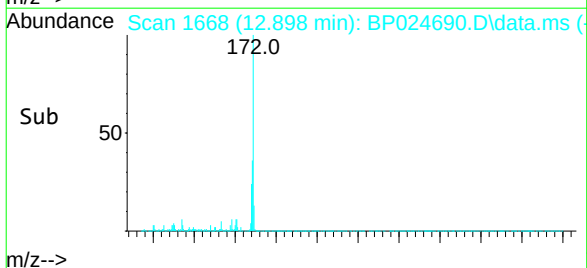
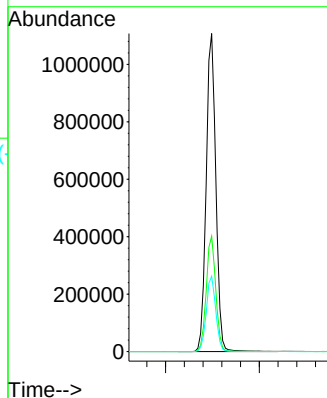
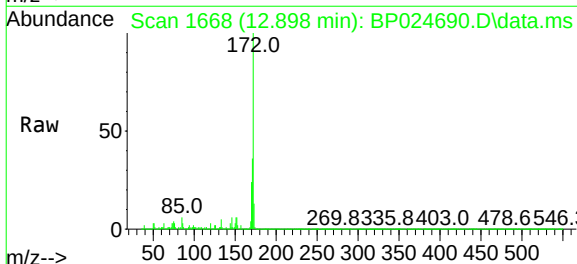
Tgt Ion:172 Resp: 1581258

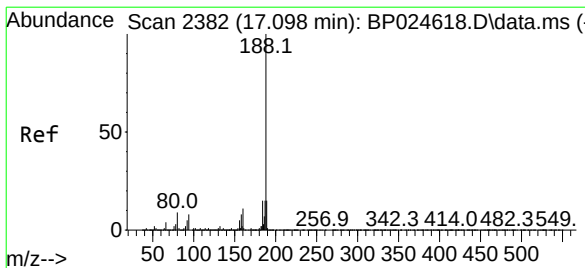
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.7 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 2382

Delta R.T. -0.006 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Instrument :

BNA_P

ClientSampleId :

TP-24

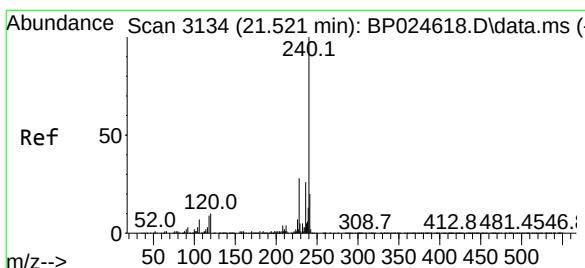
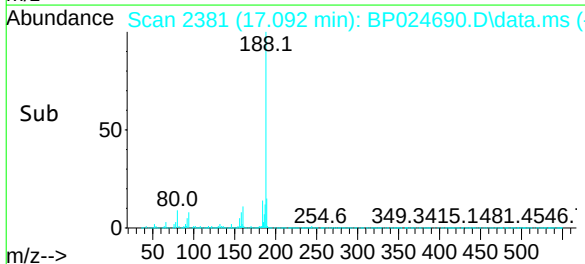
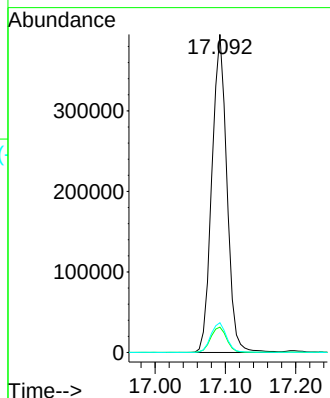
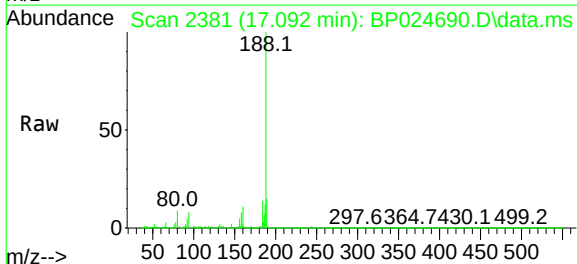
Tgt Ion:188 Resp: 585624

Ion Ratio Lower Upper

188 100

94 8.0 6.5 9.7

80 9.4 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3134

Delta R.T. -0.000 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

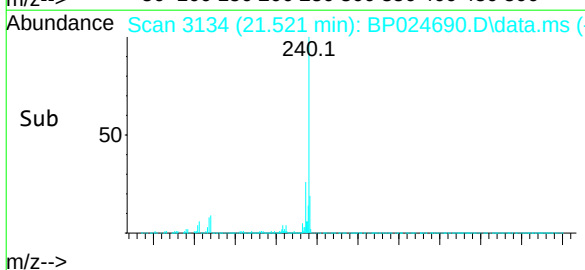
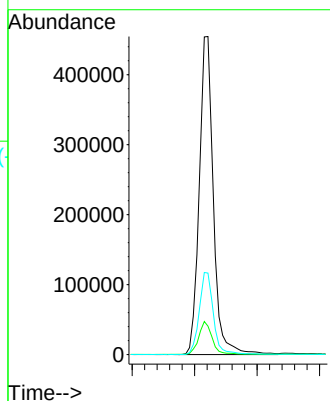
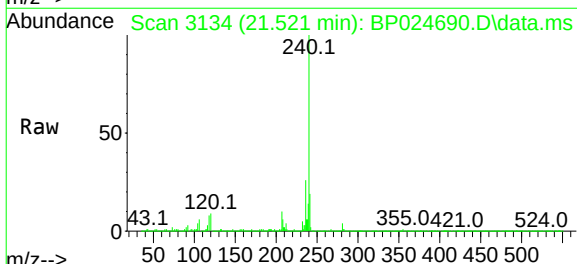
Tgt Ion:240 Resp: 714772

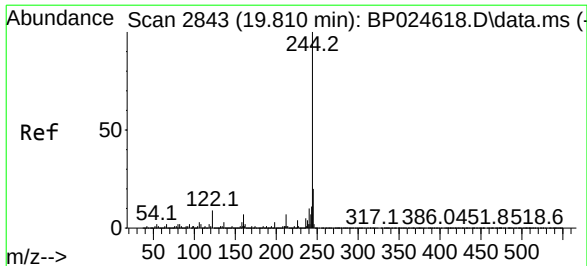
Ion Ratio Lower Upper

240 100

120 8.9 7.8 11.6

236 25.6 20.6 31.0





#79

Terphenyl-d14

Concen: 60.421 ng

RT: 19.810 min Scan# 28

Delta R.T. -0.000 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Instrument :

BNA_P

ClientSampleId :

TP-24

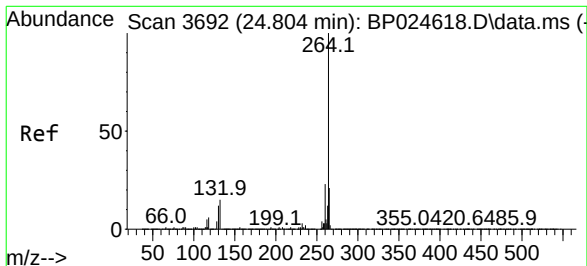
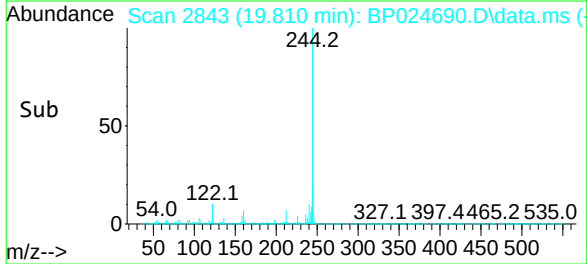
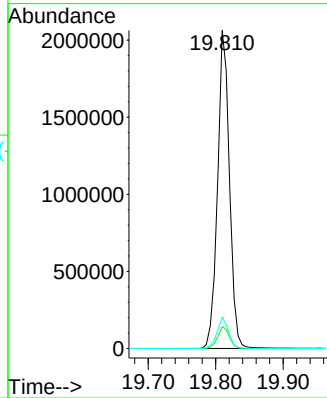
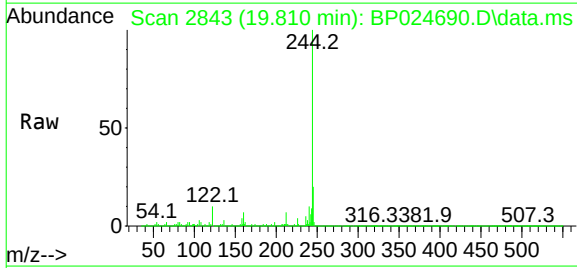
Tgt Ion:244 Resp: 2518645

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 9.8 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.815 min Scan# 3694

Delta R.T. 0.012 min

Lab File: BP024690.D

Acq: 19 May 2025 15:35

Tgt Ion:264 Resp: 916273

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.0 17.0 25.6

