

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
 Data File : BP024745.D
 Acq On : 21 May 2025 20:16
 Operator : RC/JU
 Sample : Q2071-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 L2-WC-5

Quant Time: May 22 03:04:15 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)

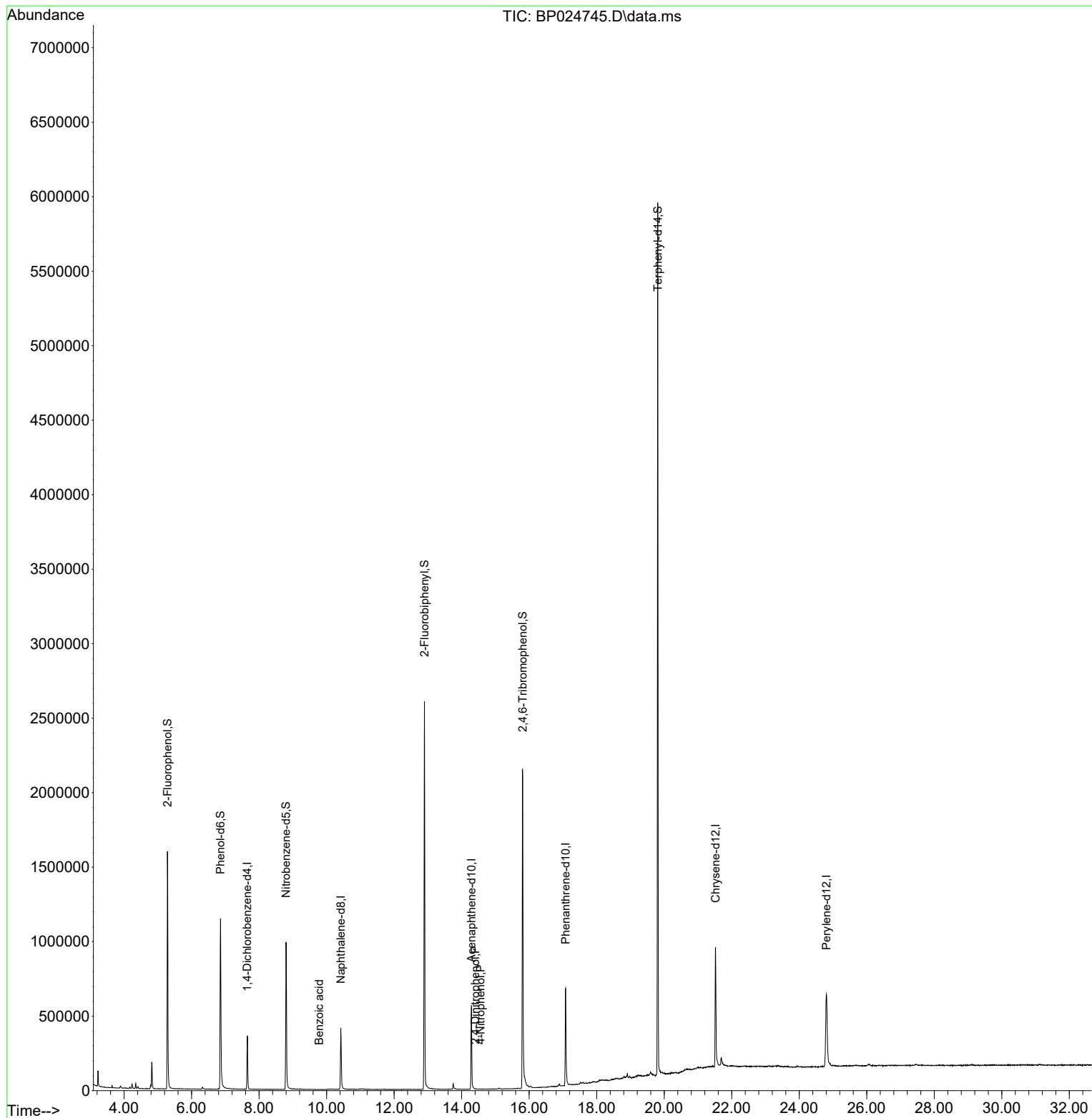
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	97015	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	366818	20.000	ng	-0.01
39) Acenaphthene-d10	14.293	164	221294	20.000	ng	-0.01
64) Phenanthrene-d10	17.081	188	460266	20.000	ng	-0.02
76) Chrysene-d12	21.522	240	565252	20.000	ng	0.00
86) Perylene-d12	24.804	264	654971	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	709471	125.079	ng	0.00
7) Phenol-d6	6.858	99	738255	101.980	ng	0.00
23) Nitrobenzene-d5	8.799	82	575509	79.272	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	575297	153.348	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1347825	79.795	ng	0.00
79) Terphenyl-d14	19.810	244	2757027	83.635	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.781	122	30	7.475	ng	# 1
54) 2,4-Dinitrophenol	14.404	184	25	6.411	ng	# 85
56) 4-Nitrophenol	14.557	139	52	4.250	ng	# 26

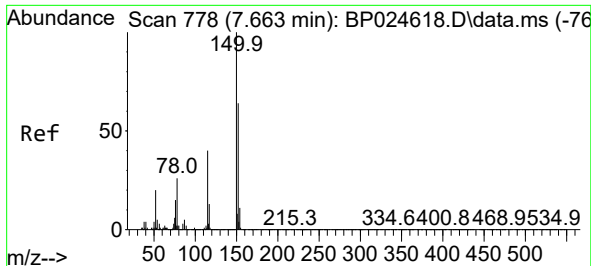
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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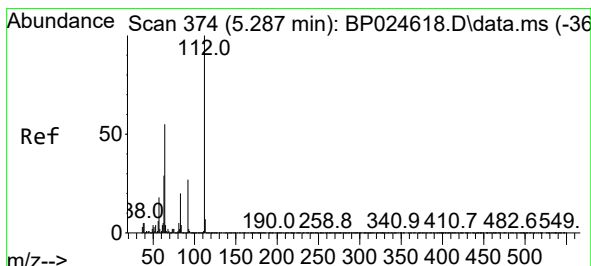
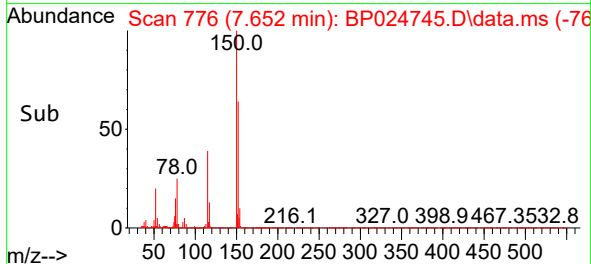
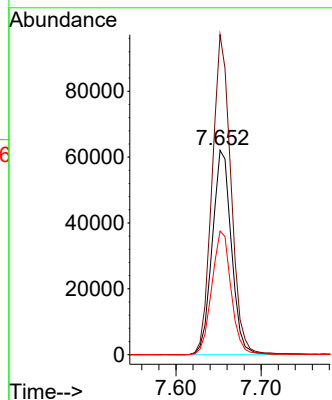
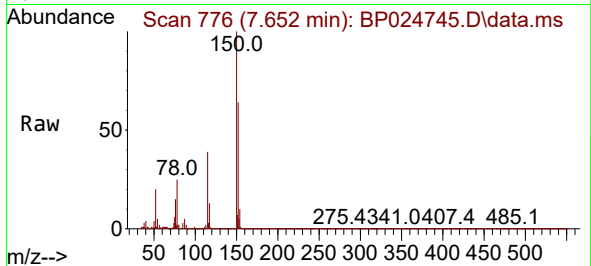




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

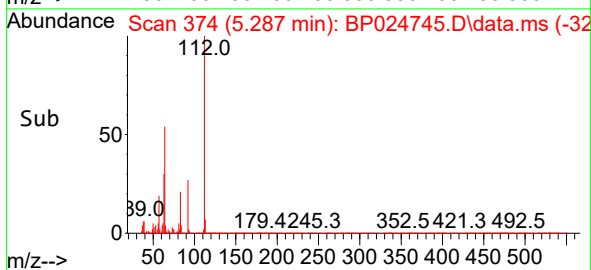
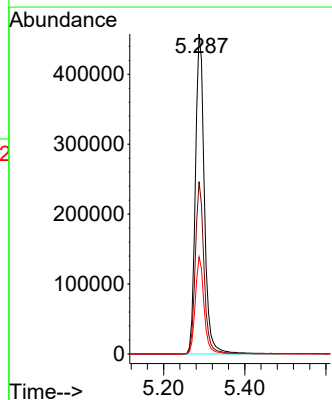
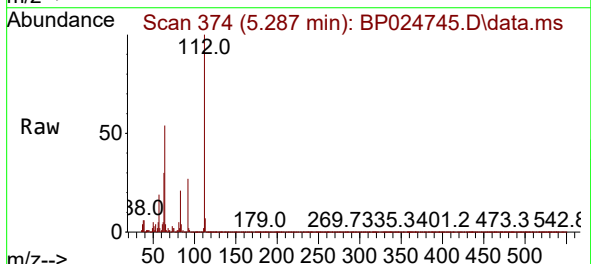
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

Tgt Ion:152 Resp: 97015
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 60.5 50.1 75.1



#5
2-Fluorophenol
Concen: 125.079 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

Tgt Ion:112 Resp: 709471
Ion Ratio Lower Upper
112 100
64 53.8 44.1 66.1
63 30.4 23.5 35.3

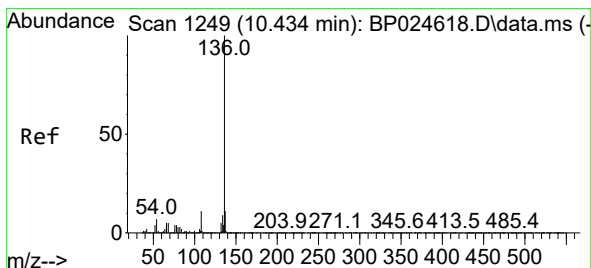
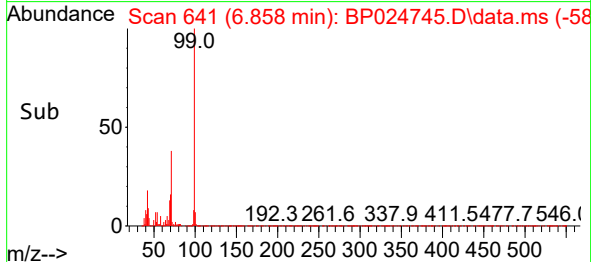
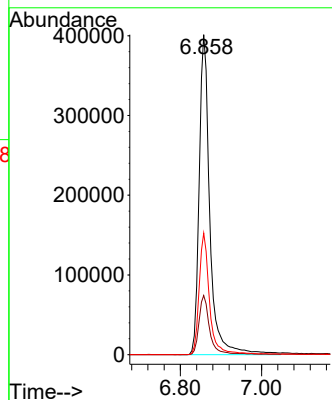
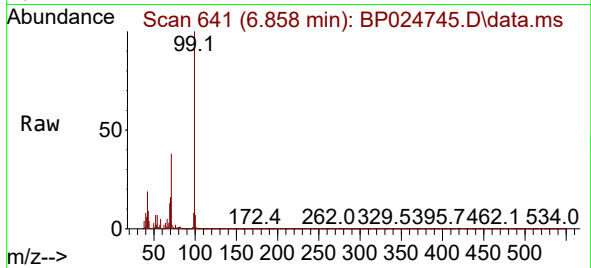




#7
Phenol-d6
Concen: 101.980 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

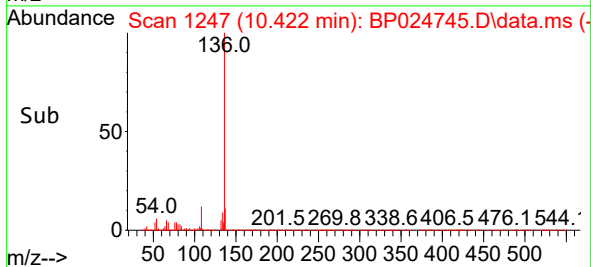
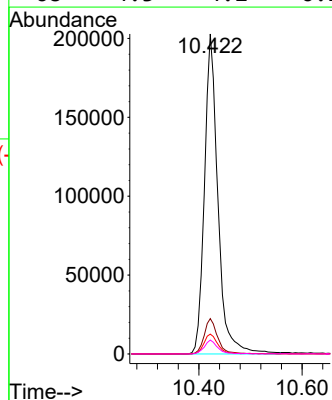
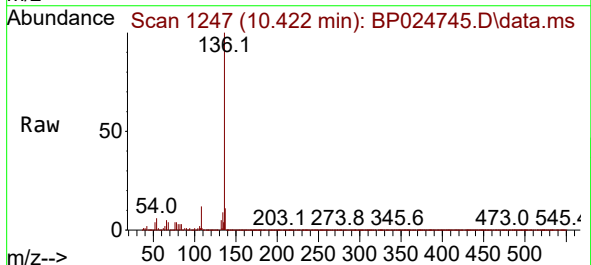
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

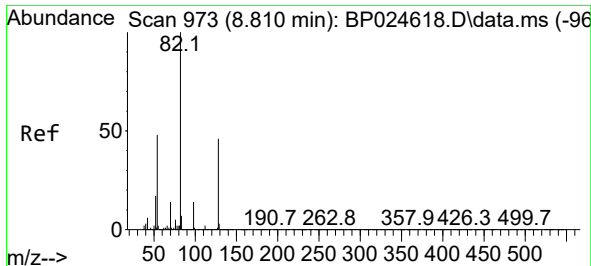
Tgt Ion: 99 Resp: 738255
Ion Ratio Lower Upper
99 100
42 18.5 14.4 21.6
71 38.0 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

Tgt Ion:136 Resp: 366818
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.2 5.5 8.3
68 4.3 4.2 6.2

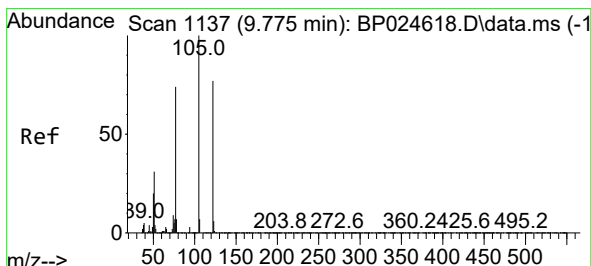
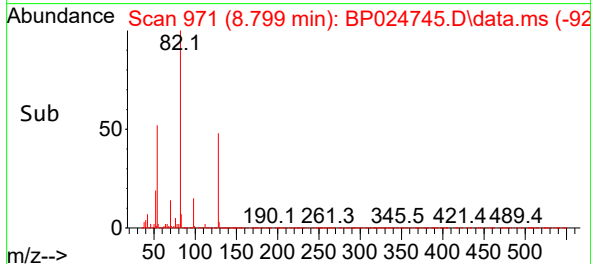
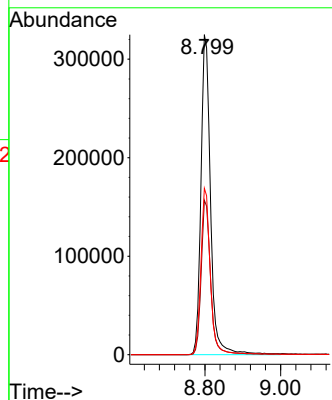
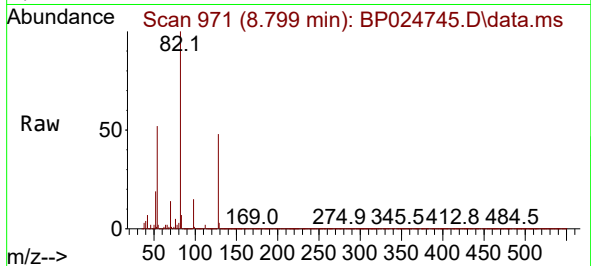




#23
Nitrobenzene-d5
Concen: 79.272 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

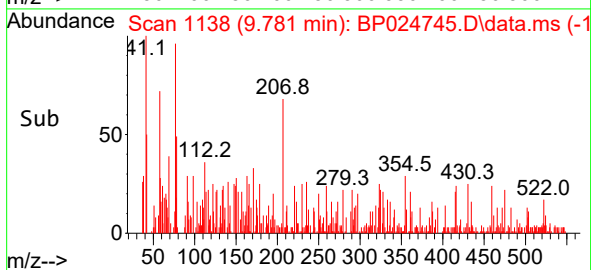
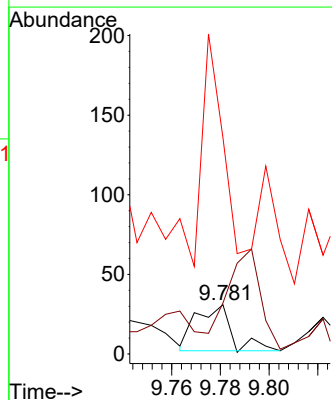
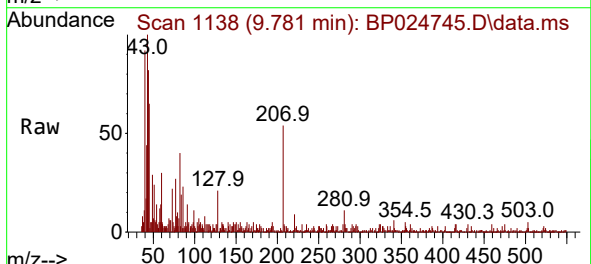
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

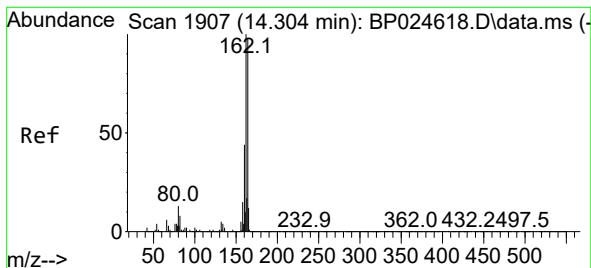
Tgt Ion: 82 Resp: 575509
Ion Ratio Lower Upper
82 100
128 48.2 37.0 55.4
54 52.0 38.7 58.1



#32
Benzoic acid
Concen: 7.475 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

Tgt Ion:122 Resp: 30
Ion Ratio Lower Upper
122 100
105 103.2 106.9 146.9#
77 438.7 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.293 min Scan# 1905

Delta R.T. -0.012 min

Lab File: BP024745.D

Acq: 21 May 2025 20:16

Instrument :

BNA_P

ClientSampleId :

L2-WC-5

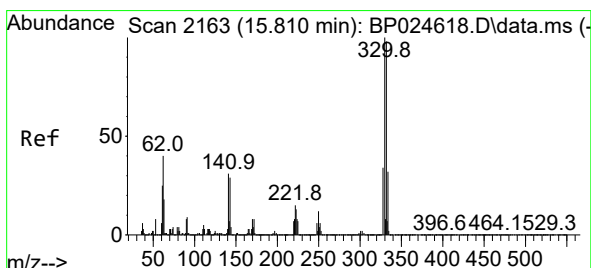
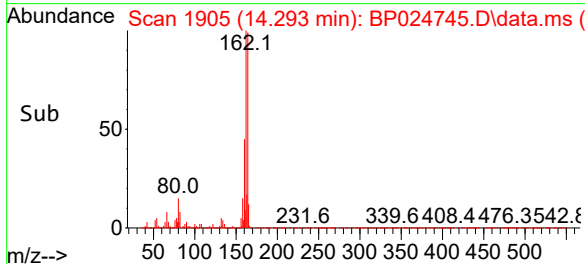
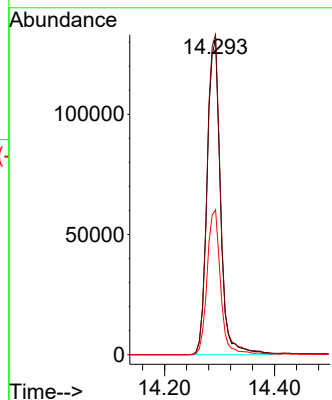
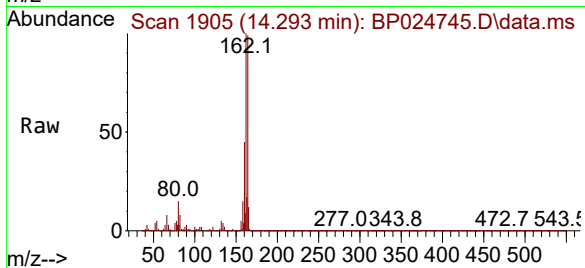
Tgt Ion:164 Resp: 221294

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.6

160 45.9 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 153.348 ng

RT: 15.810 min Scan# 2163

Delta R.T. 0.000 min

Lab File: BP024745.D

Acq: 21 May 2025 20:16

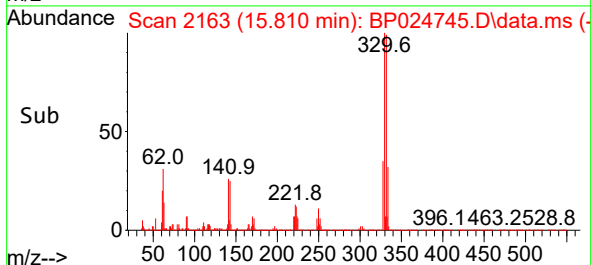
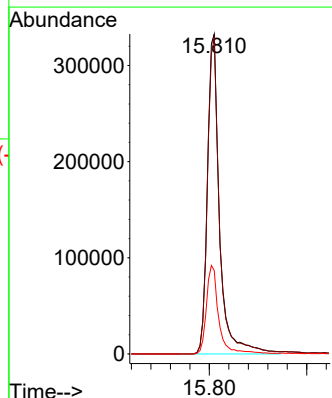
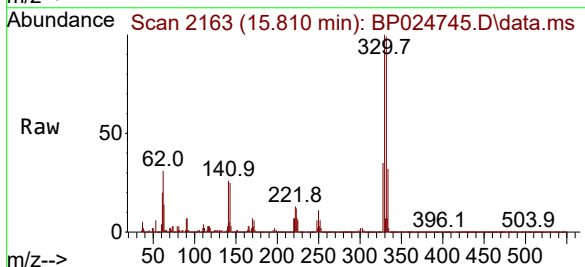
Tgt Ion:330 Resp: 575297

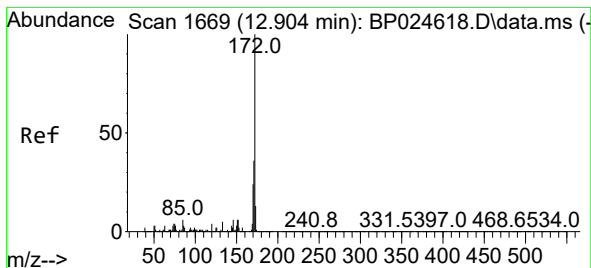
Ion Ratio Lower Upper

330 100

332 99.1 78.2 117.4

141 28.0 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 79.795 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024745.D

Acq: 21 May 2025 20:16

Instrument :

BNA_P

ClientSampleId :

L2-WC-5

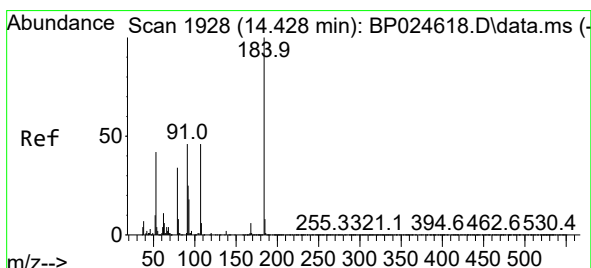
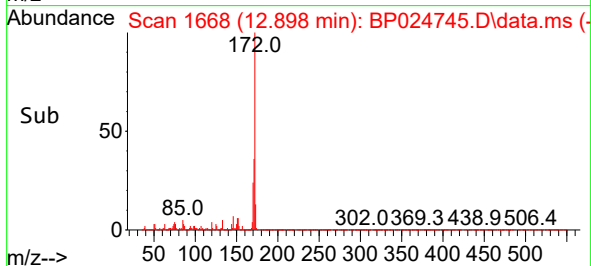
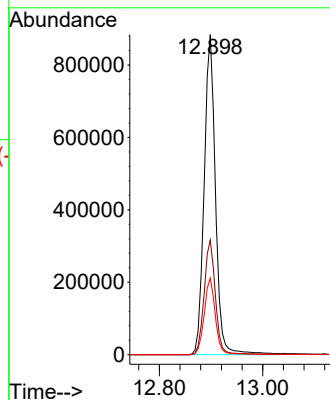
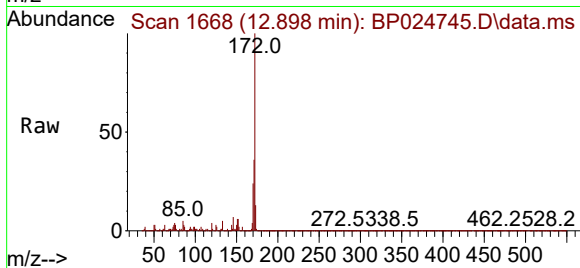
Tgt Ion:172 Resp: 1347825

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.9 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.411 ng

RT: 14.404 min Scan# 1924

Delta R.T. -0.024 min

Lab File: BP024745.D

Acq: 21 May 2025 20:16

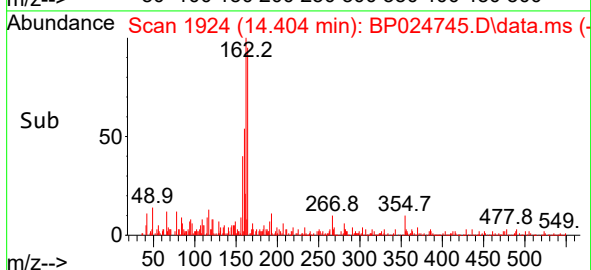
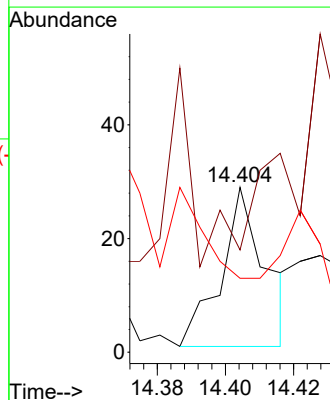
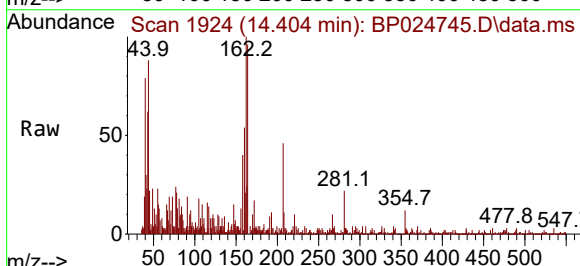
Tgt Ion:184 Resp: 25

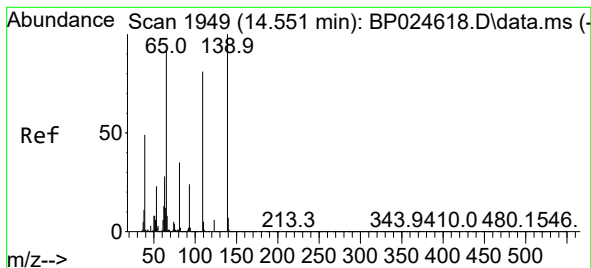
Ion Ratio Lower Upper

184 100

63 62.1 51.3 76.9

154 44.8 53.5 80.3#

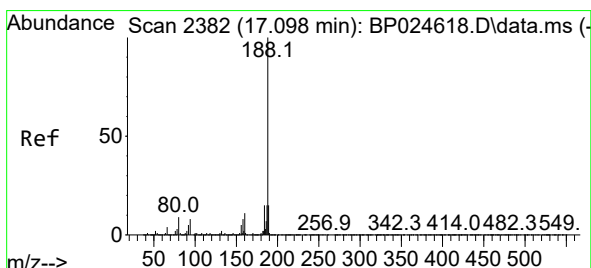
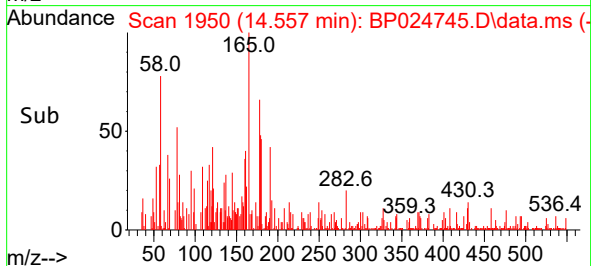
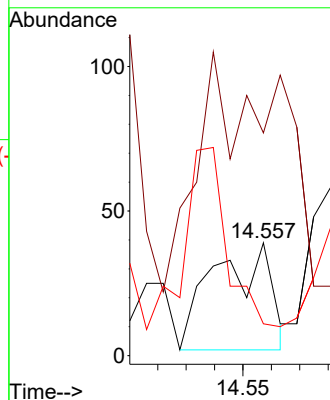
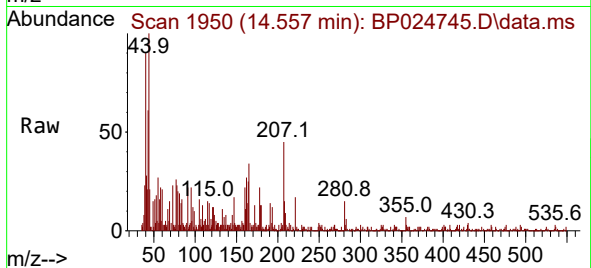




#56
4-Nitrophenol
Concen: 4.250 ng
RT: 14.557 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

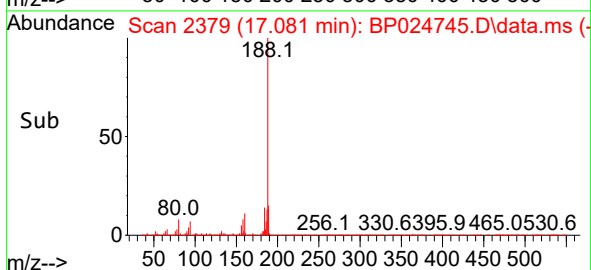
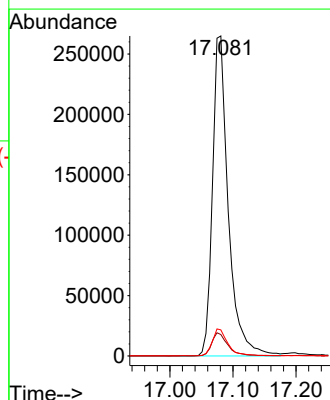
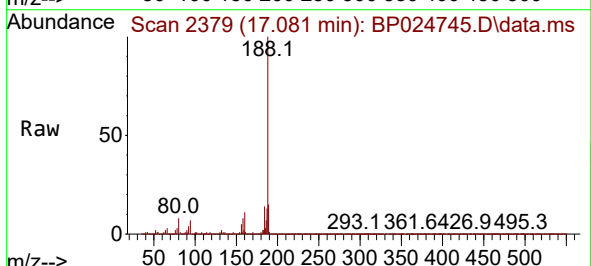
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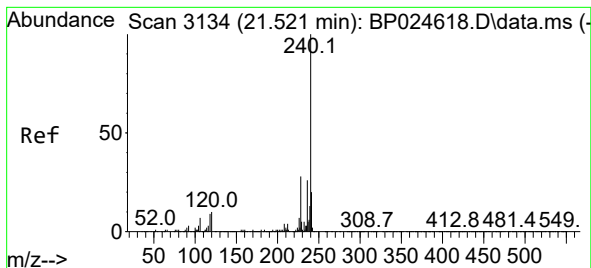
Tgt Ion:139 Resp: 52
Ion Ratio Lower Upper
139 100
109 197.4 61.4 101.4#
65 69.2 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024745.D
Acq: 21 May 2025 20:16

Tgt Ion:188 Resp: 460266
Ion Ratio Lower Upper
188 100
94 6.7 6.5 9.7
80 8.1 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.522 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP024745.D

Acq: 21 May 2025 20:16

Instrument :

BNA_P

ClientSampleId :

L2-WC-5

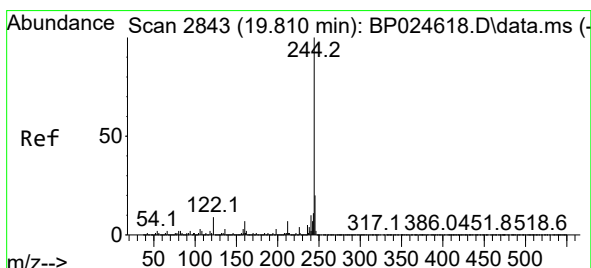
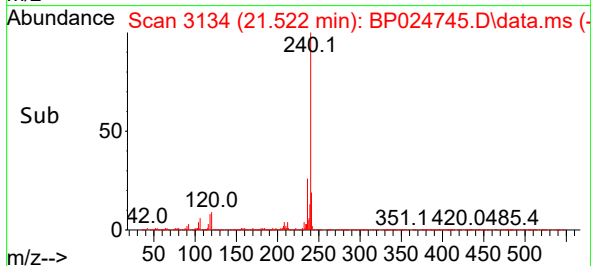
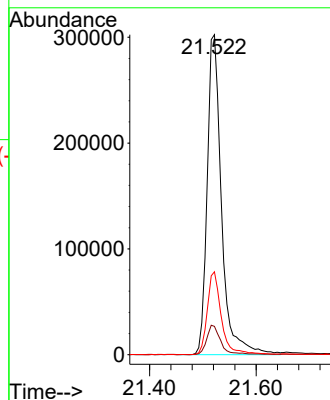
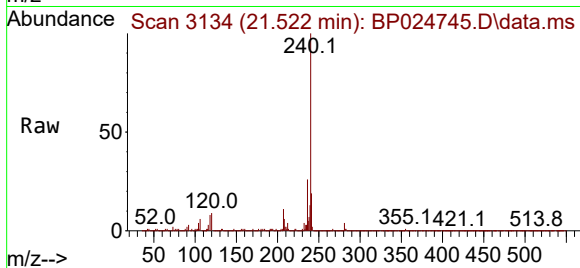
Tgt Ion:240 Resp: 565252

Ion Ratio Lower Upper

240 100

120 8.8 7.8 11.6

236 25.9 20.6 31.0



#79

Terphenyl-d14

Concen: 83.635 ng

RT: 19.810 min Scan# 2843

Delta R.T. 0.000 min

Lab File: BP024745.D

Acq: 21 May 2025 20:16

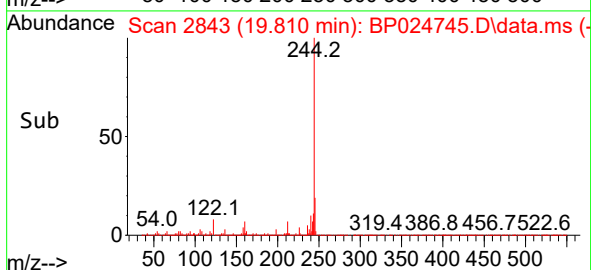
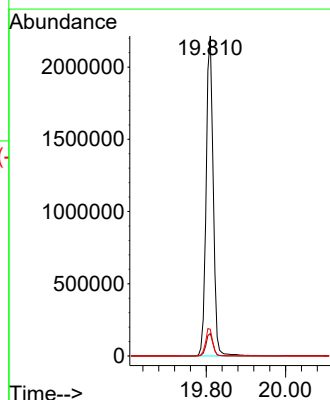
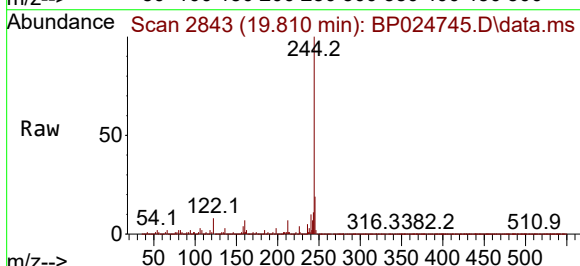
Tgt Ion:244 Resp: 2757027

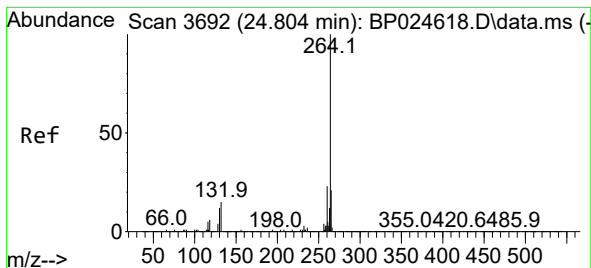
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 8.4 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.804 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP024745.D

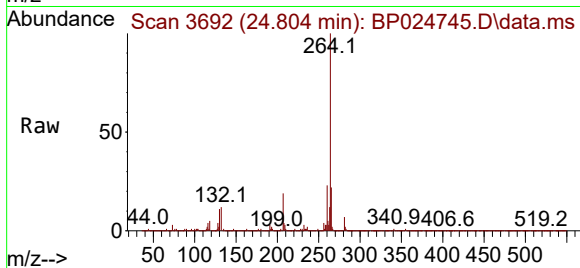
Acq: 21 May 2025 20:16

Instrument :

BNA_P

ClientSampleId :

L2-WC-5



Tgt Ion:264 Resp: 654971

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.9 17.0 25.6

