

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
 Data File : BP024626.D
 Acq On : 14 May 2025 13:17
 Operator : RC/JU
 Sample : PB167951BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB167951BL

Quant Time: May 14 13:40:54 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)

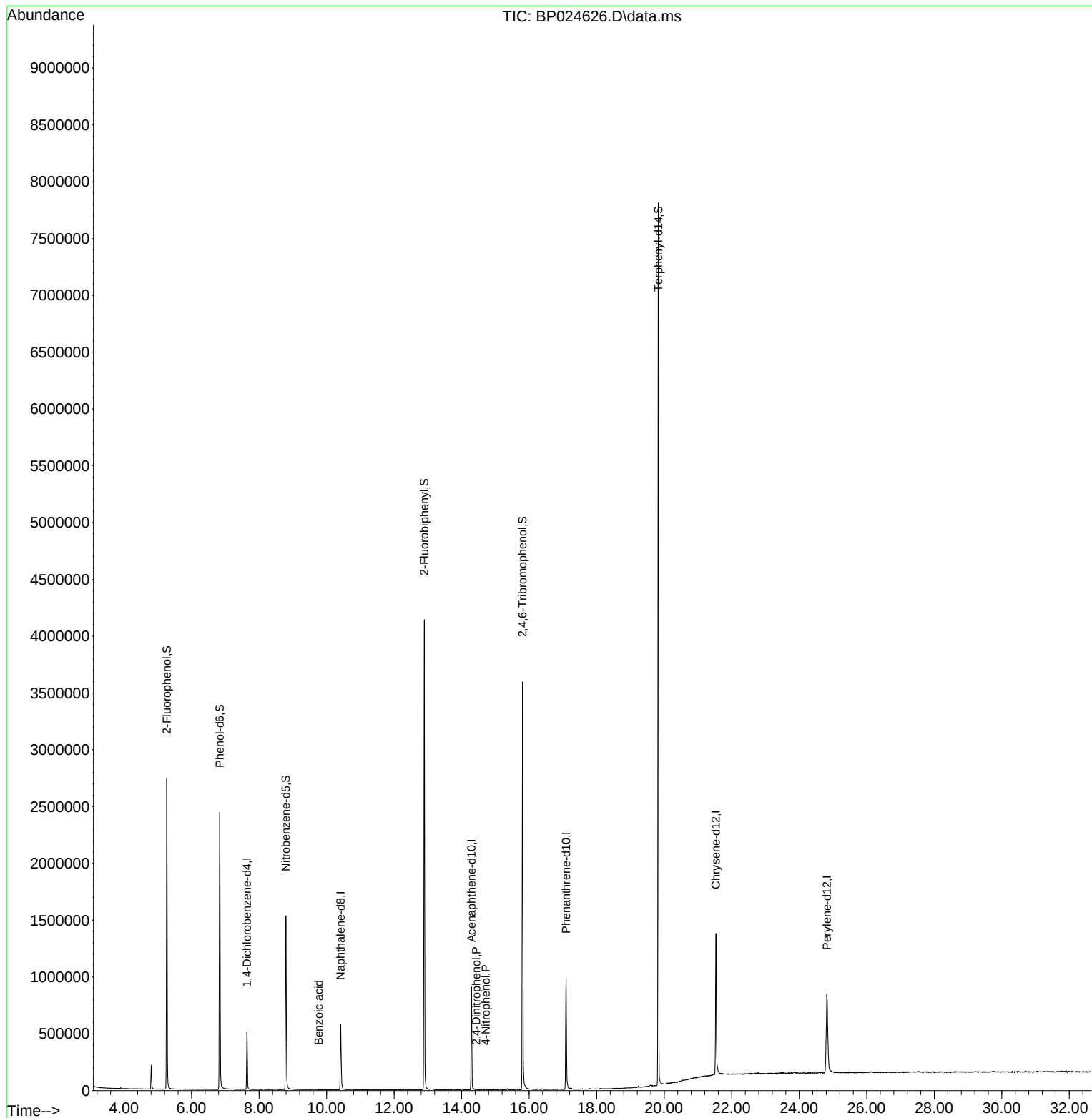
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	140468	20.000	ng	-0.02
21) Naphthalene-d8	10.416	136	528352	20.000	ng	-0.02
39) Acenaphthene-d10	14.292	164	331950	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	693234	20.000	ng	0.00
76) Chrysene-d12	21.533	240	775196	20.000	ng	0.01
86) Perylene-d12	24.815	264	879073	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	1189764	144.868	ng	-0.02
7) Phenol-d6	6.834	99	1441436	137.519	ng	-0.02
23) Nitrobenzene-d5	8.793	82	897059	85.786	ng	-0.02
42) 2,4,6-Tribromophenol	15.804	330	798527	141.897	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	2050513	80.929	ng	-0.01
79) Terphenyl-d14	19.827	244	3887507	85.990	ng	0.02
Target Compounds						
						Qvalue
32) Benzoic acid	9.769	122	52	7.476	ng	# 33
54) 2,4-Dinitrophenol	14.434	184	17	6.406	ng	# 1
56) 4-Nitrophenol	14.716	139	1991	4.633	ng	# 11

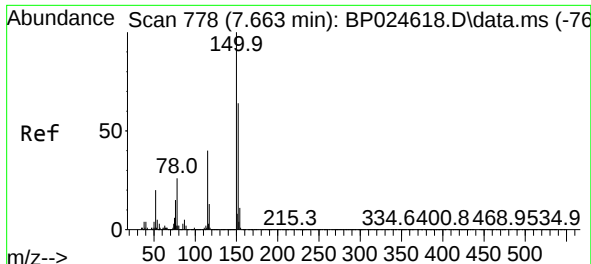
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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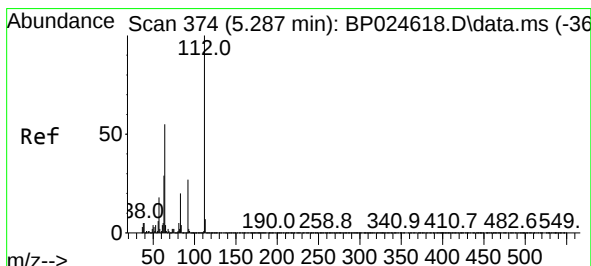
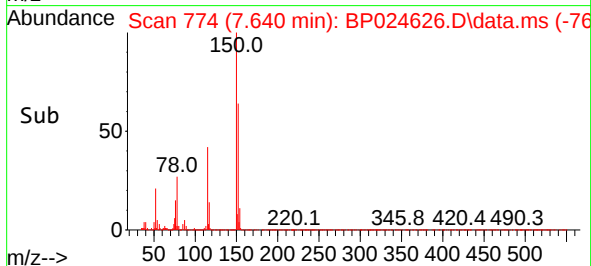
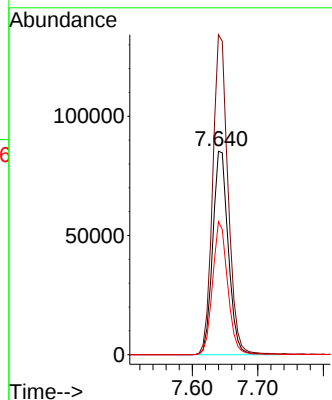
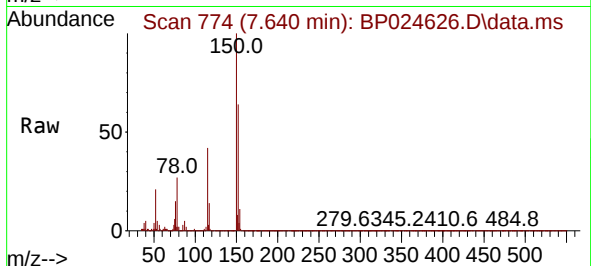




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.640 min Scan# 71
Delta R.T. -0.023 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

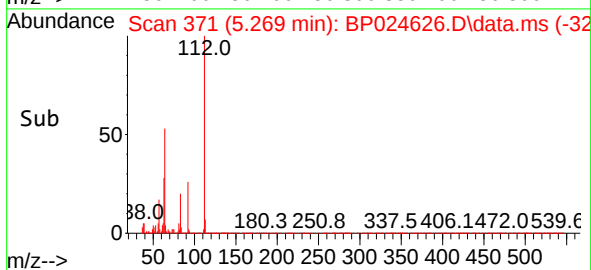
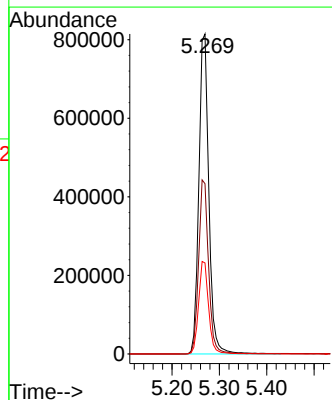
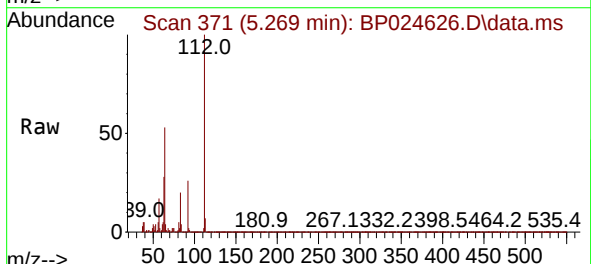
Instrument :
BNA_P
ClientSampleId :
PB167951BL

Tgt Ion:152 Resp: 140468
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 65.4 50.1 75.1



#5
2-Fluorophenol
Concen: 144.868 ng
RT: 5.269 min Scan# 371
Delta R.T. -0.018 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

Tgt Ion:112 Resp: 1189764
Ion Ratio Lower Upper
112 100
64 53.2 44.1 66.1
63 28.5 23.5 35.3

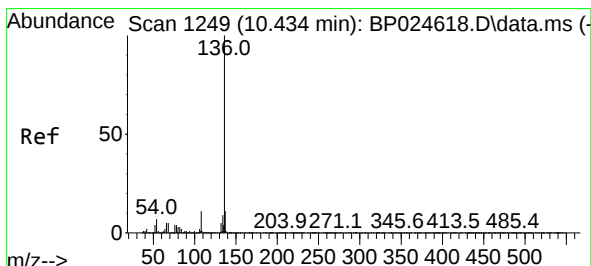
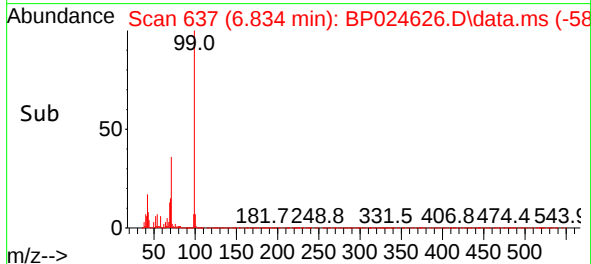
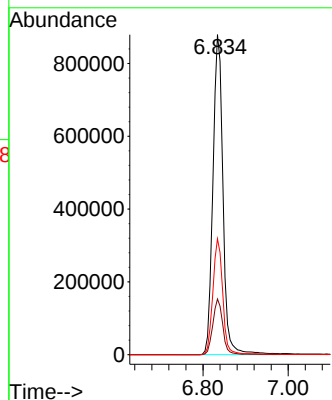
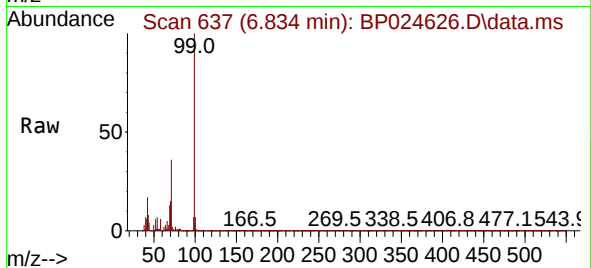




#7
Phenol-d6
Concen: 137.519 ng
RT: 6.834 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

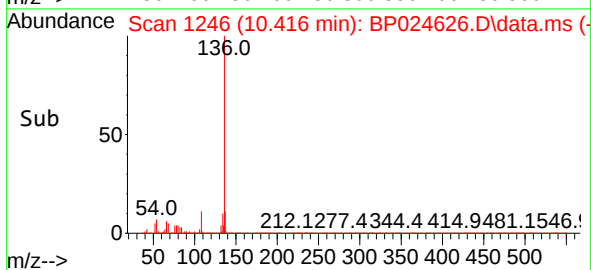
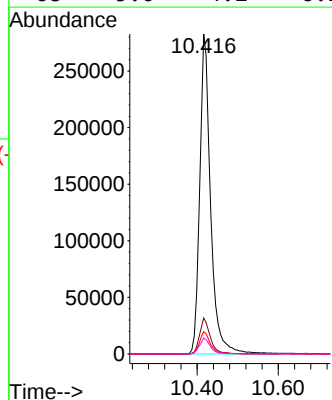
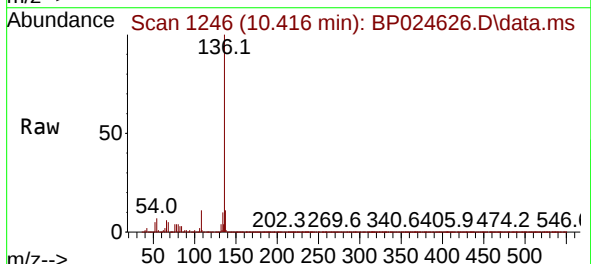
Instrument :
BNA_P
ClientSampleId :
PB167951BL

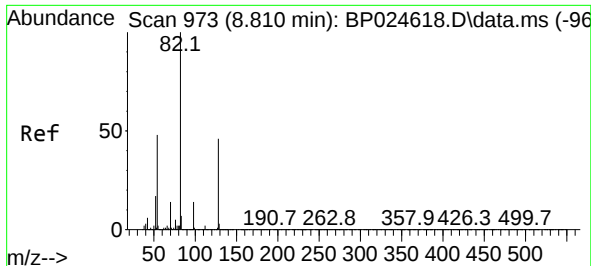
Tgt Ion: 99 Resp: 1441436
Ion Ratio Lower Upper
99 100
42 17.4 14.4 21.6
71 36.2 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.018 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

Tgt Ion:136 Resp: 528352
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.9 5.5 8.3
68 5.0 4.2 6.2

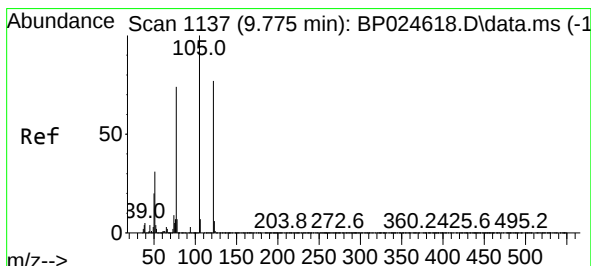
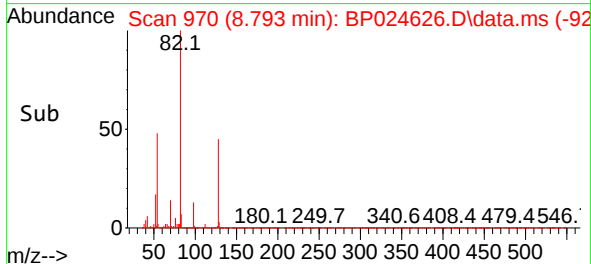
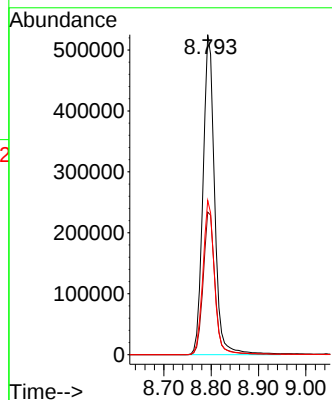
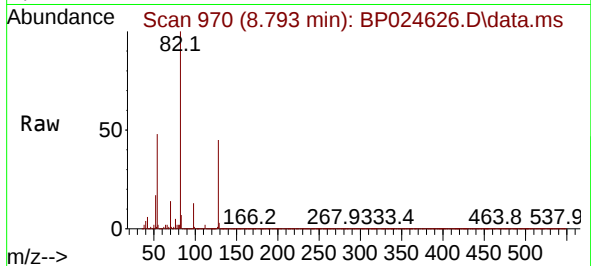




#23
Nitrobenzene-d5
Concen: 85.786 ng
RT: 8.793 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

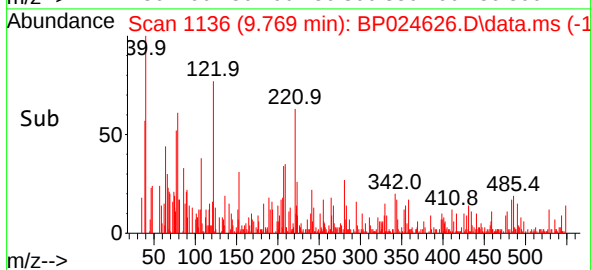
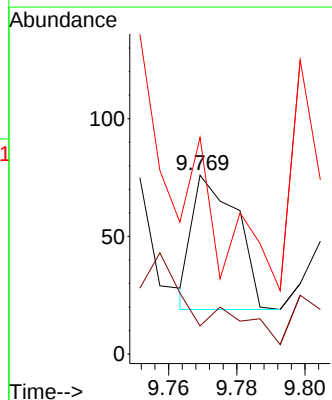
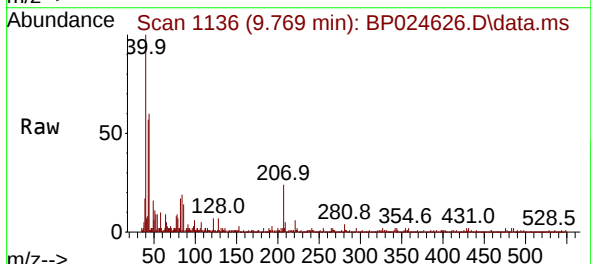
Instrument :
BNA_P
ClientSampleId :
PB167951BL

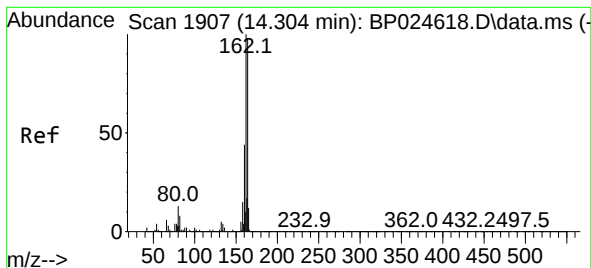
Tgt Ion: 82 Resp: 897059
Ion Ratio Lower Upper
82 100
128 44.5 37.0 55.4
54 48.2 38.7 58.1



#32
Benzoic acid
Concen: 7.476 ng
RT: 9.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

Tgt Ion: 122 Resp: 52
Ion Ratio Lower Upper
122 100
105 15.8 106.9 146.9#
77 121.1 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.292 min Scan# 1905

Delta R.T. -0.012 min

Lab File: BP024626.D

Acq: 14 May 2025 13:17

Instrument :

BNA_P

ClientSampleId :

PB167951BL

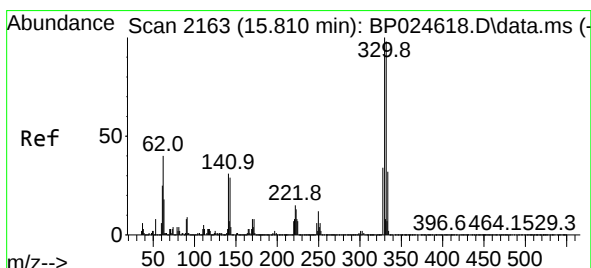
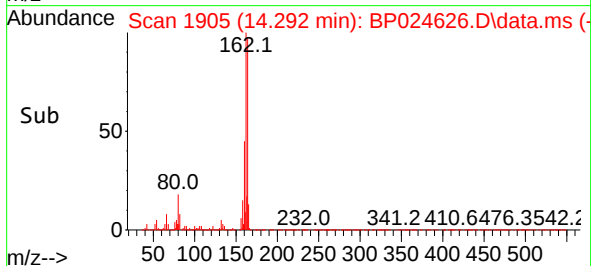
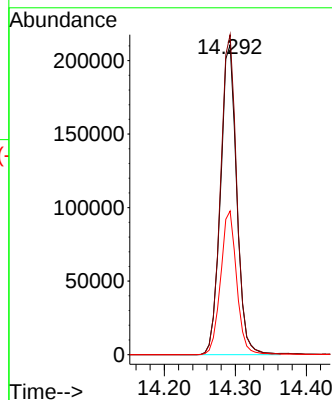
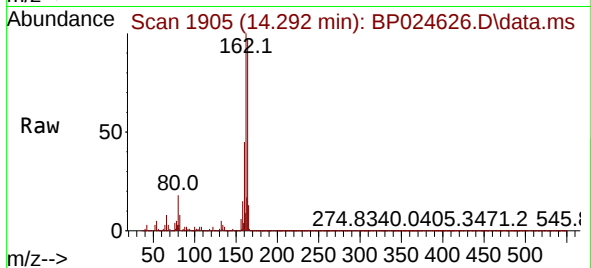
Tgt Ion:164 Resp: 331950

Ion Ratio Lower Upper

164 100

162 103.2 81.8 122.6

160 46.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 141.897 ng

RT: 15.804 min Scan# 2162

Delta R.T. -0.006 min

Lab File: BP024626.D

Acq: 14 May 2025 13:17

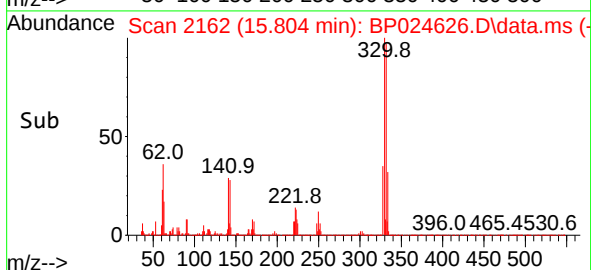
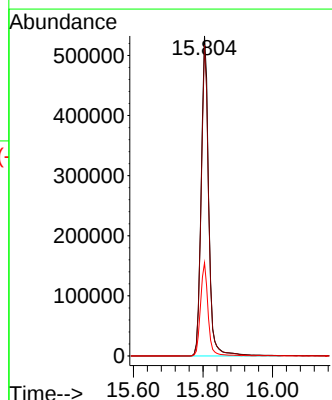
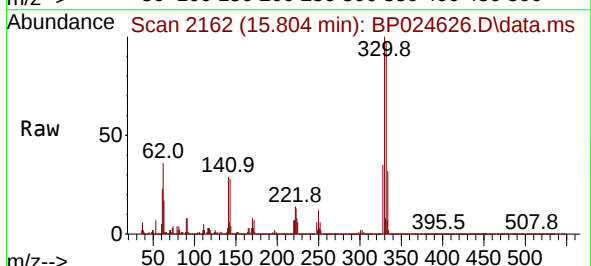
Tgt Ion:330 Resp: 798527

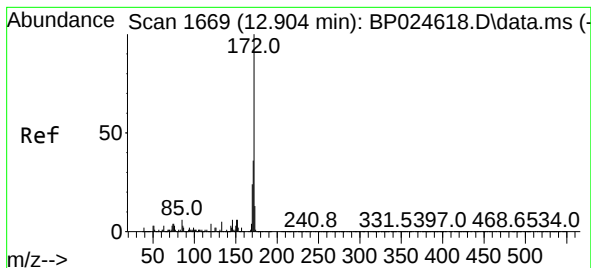
Ion Ratio Lower Upper

330 100

332 96.4 78.2 117.4

141 29.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 80.929 ng

RT: 12.893 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024626.D

Acq: 14 May 2025 13:17

Instrument :

BNA_P

ClientSampleId :

PB167951BL

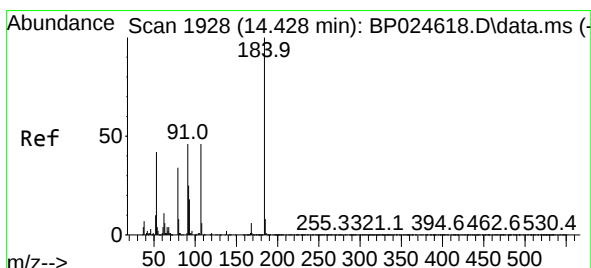
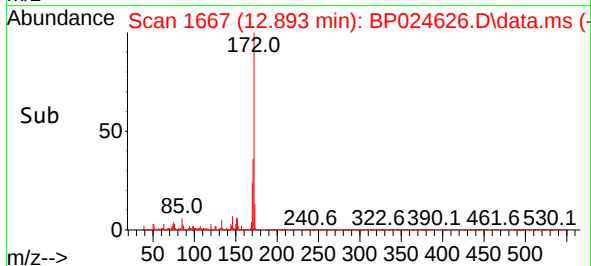
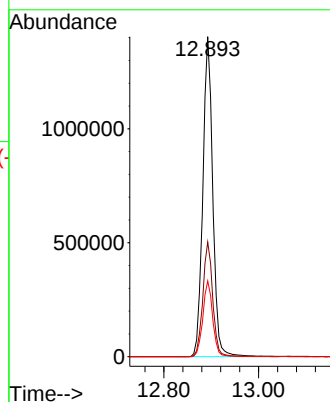
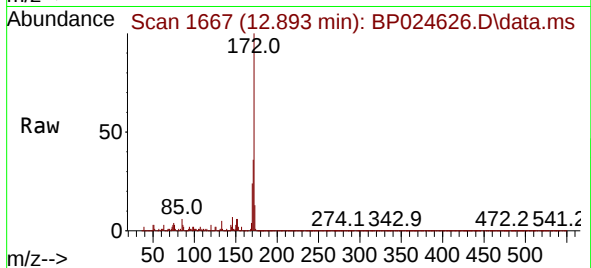
Tgt Ion:172 Resp: 2050513

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.7 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.406 ng

RT: 14.434 min Scan# 1929

Delta R.T. 0.006 min

Lab File: BP024626.D

Acq: 14 May 2025 13:17

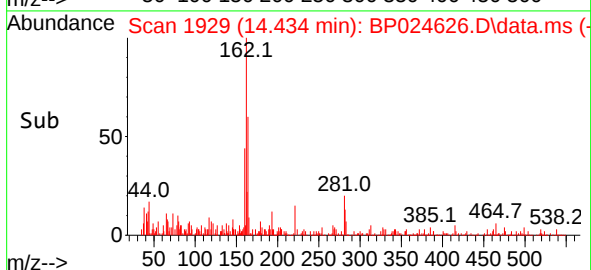
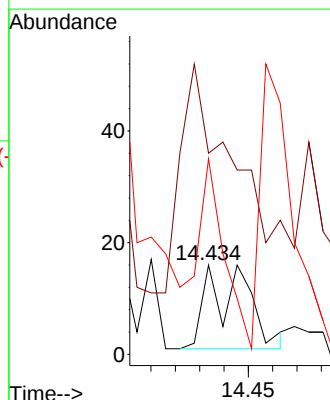
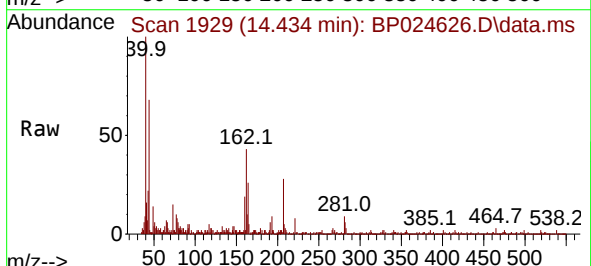
Tgt Ion:184 Resp: 17

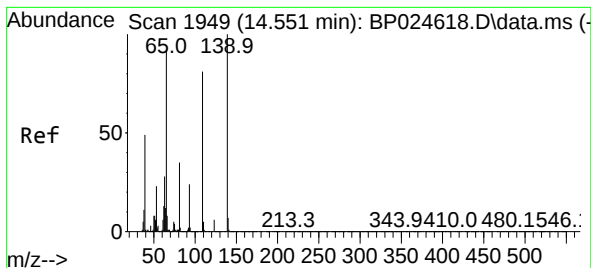
Ion Ratio Lower Upper

184 100

63 225.0 51.3 76.9#

154 218.8 53.5 80.3#

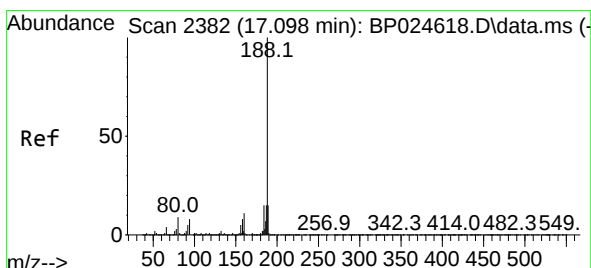
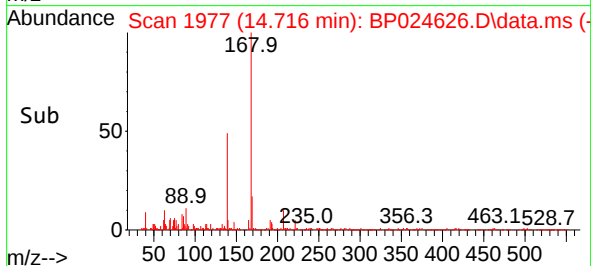
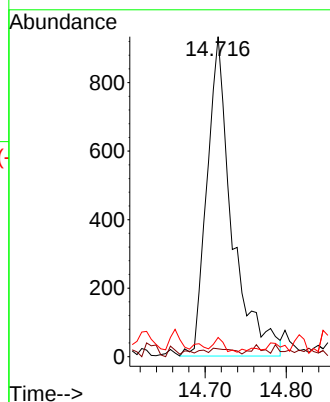
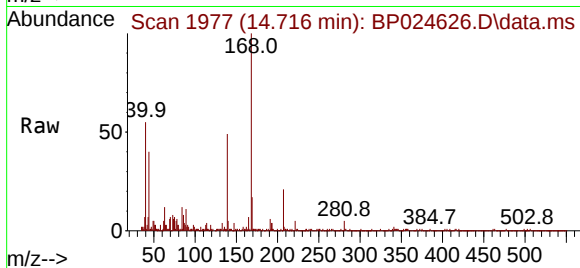




#56
4-Nitrophenol
Concen: 4.633 ng
RT: 14.716 min Scan# 1949
Delta R.T. 0.165 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

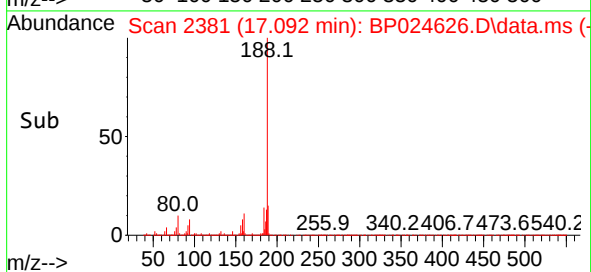
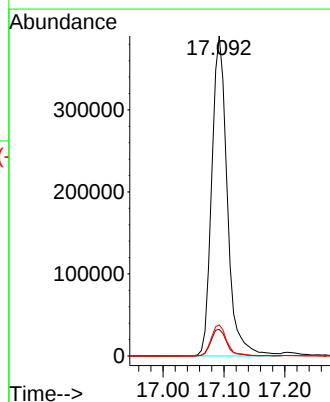
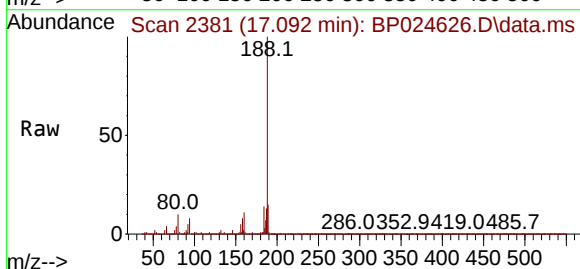
Instrument :
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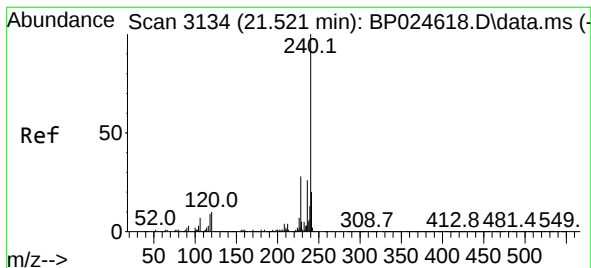
Tgt Ion:139 Resp: 1991
Ion Ratio Lower Upper
139 100
109 2.5 61.4 101.4#
65 6.0 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

Tgt Ion:188 Resp: 693234
Ion Ratio Lower Upper
188 100
94 8.3 6.5 9.7
80 9.7 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP024626.D

Acq: 14 May 2025 13:17

Instrument :

BNA_P

ClientSampleId :

PB167951BL

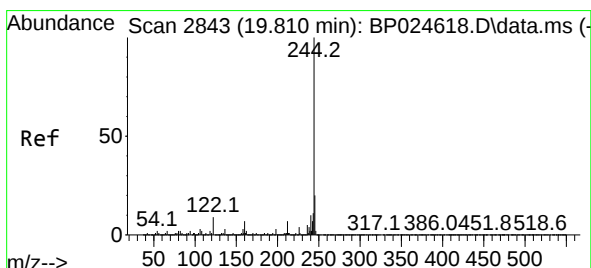
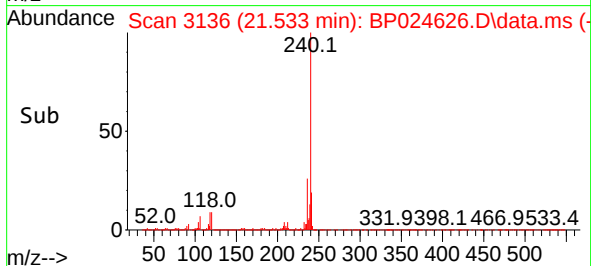
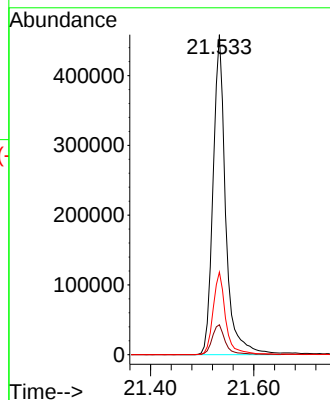
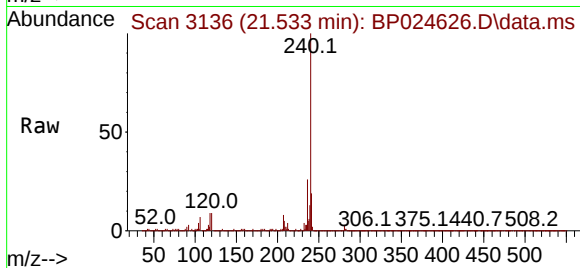
Tgt Ion:240 Resp: 775196

Ion Ratio Lower Upper

240 100

120 9.4 7.8 11.6

236 25.8 20.6 31.0



#79

Terphenyl-d14

Concen: 85.990 ng

RT: 19.827 min Scan# 2846

Delta R.T. 0.018 min

Lab File: BP024626.D

Acq: 14 May 2025 13:17

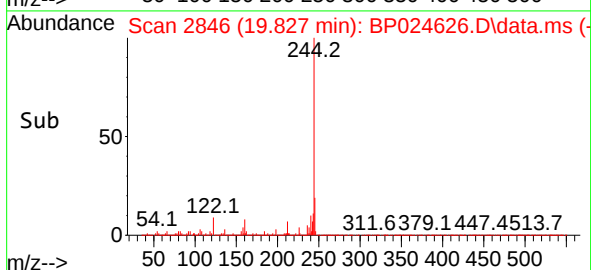
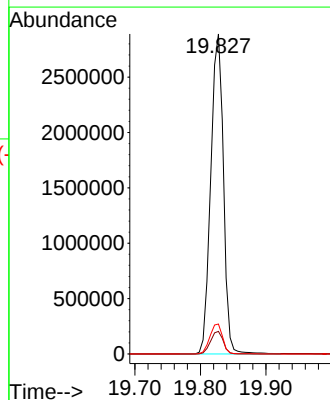
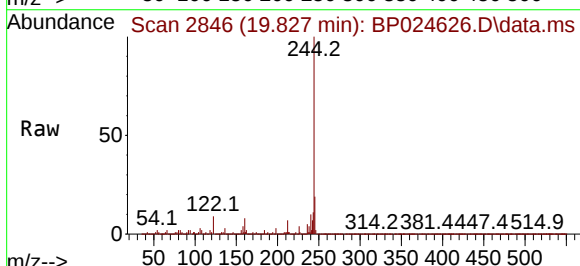
Tgt Ion:244 Resp: 3887507

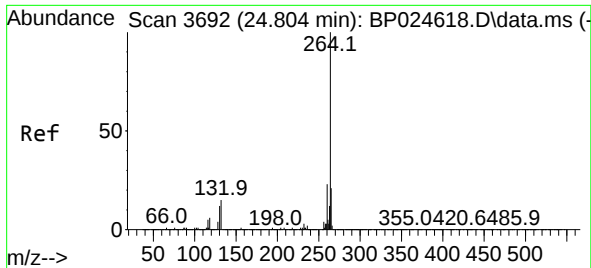
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 9.3 7.4 11.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 30
Delta R.T. 0.012 min
Lab File: BP024626.D
Acq: 14 May 2025 13:17

Instrument :
BNA_P
ClientSampleId :
PB167951BL

Tgt Ion:264 Resp: 879073

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.4	17.0	25.6

