

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
 Data File : BP024709.D
 Acq On : 20 May 2025 15:57
 Operator : RC/JU
 Sample : Q2071-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 L2-WC-5

Quant Time: May 20 16:37:14 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)

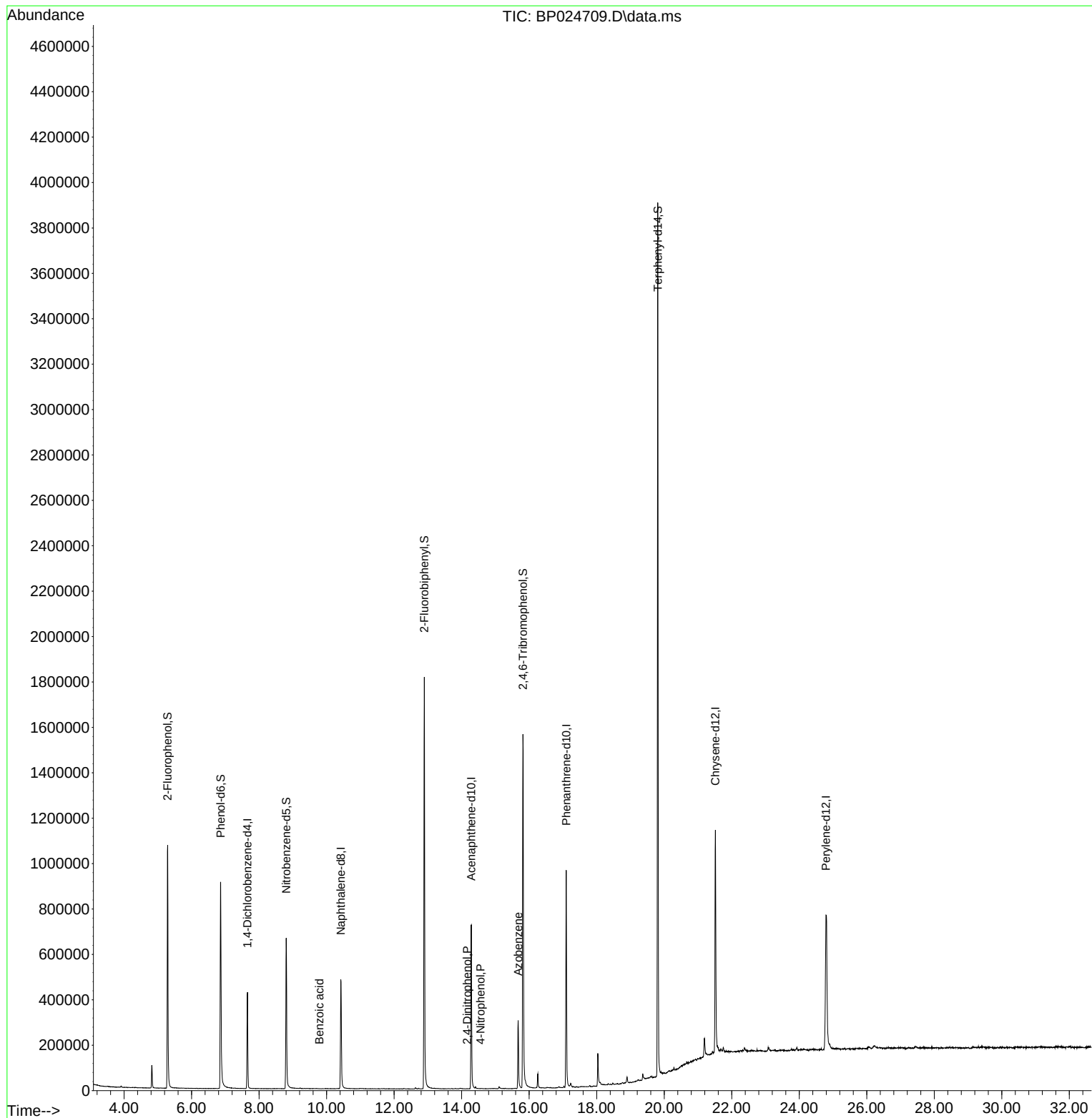
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	117350	20.000	ng	0.00
21) Naphthalene-d8	10.422	136	469063	20.000	ng	-0.01
39) Acenaphthene-d10	14.286	164	287460	20.000	ng	-0.02
64) Phenanthrene-d10	17.098	188	596703	20.000	ng	0.00
76) Chrysene-d12	21.515	240	682691	20.000	ng	0.00
86) Perylene-d12	24.792	264	793403	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	515557	75.142	ng	0.00
7) Phenol-d6	6.863	99	635302	72.551	ng	0.01
23) Nitrobenzene-d5	8.804	82	403170	43.429	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	447280	91.782	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	1005350	45.820	ng	-0.01
79) Terphenyl-d14	19.810	244	2004701	50.351	ng	0.00
Target Compounds						
32) Benzoic acid	9.787	122	12	7.470	ng	# 1
54) 2,4-Dinitrophenol	14.169	184	18	6.407	ng	92
56) 4-Nitrophenol	14.557	139	27	4.240	ng	87
63) Azobenzene	15.675	77	98214	5.184	ng	# 1

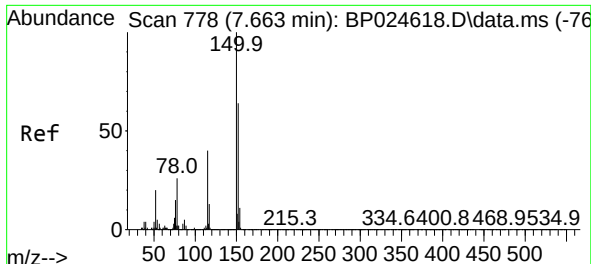
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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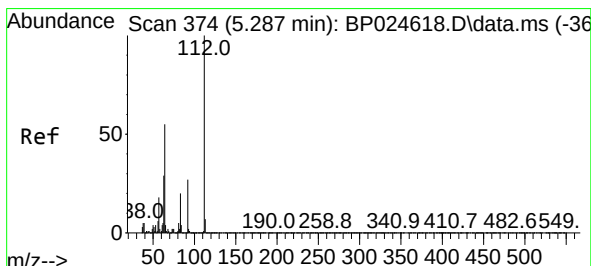
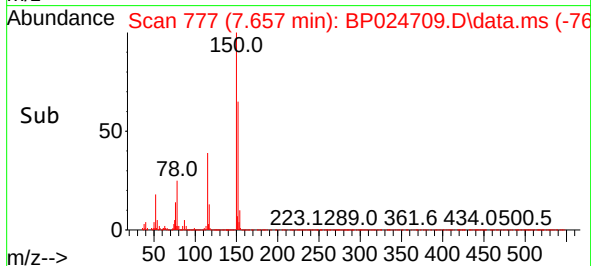
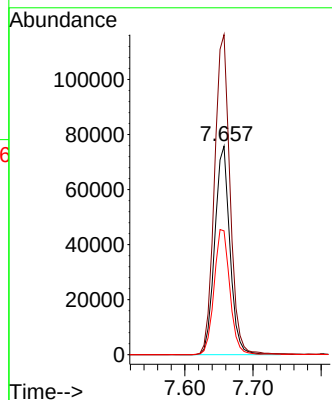
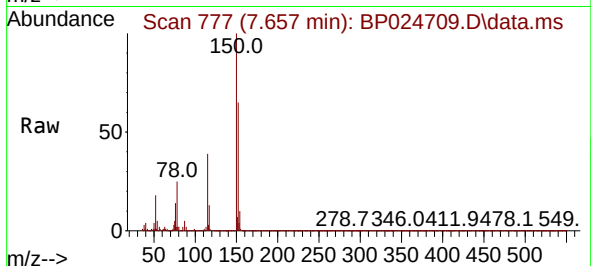




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

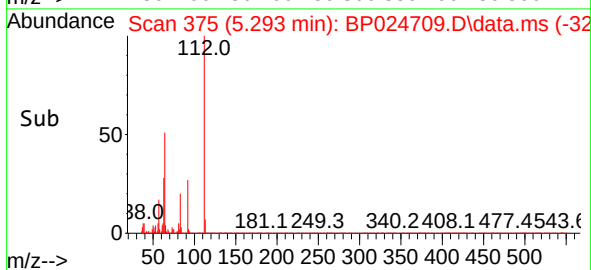
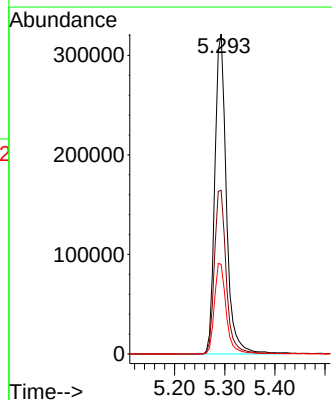
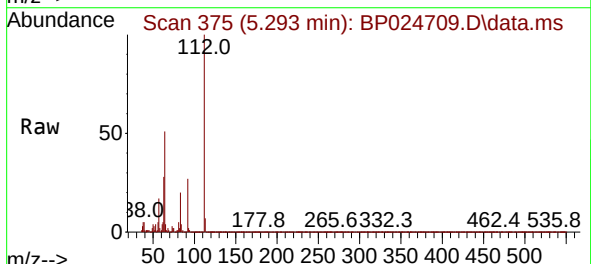
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

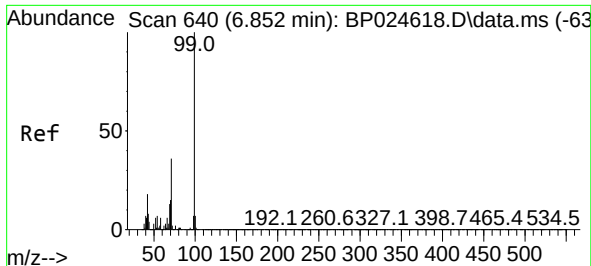
Tgt Ion:152 Resp: 117350
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 59.4 50.1 75.1



#5
2-Fluorophenol
Concen: 75.142 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

Tgt Ion:112 Resp: 515557
Ion Ratio Lower Upper
112 100
64 51.1 44.1 66.1
63 28.0 23.5 35.3

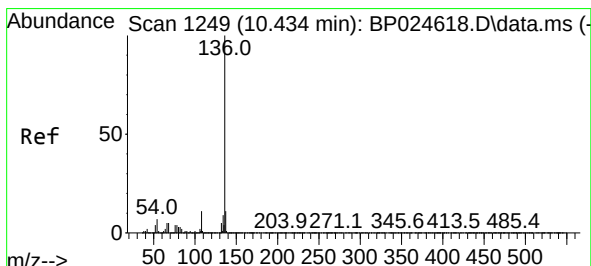
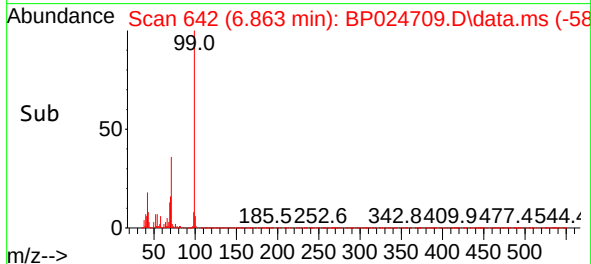
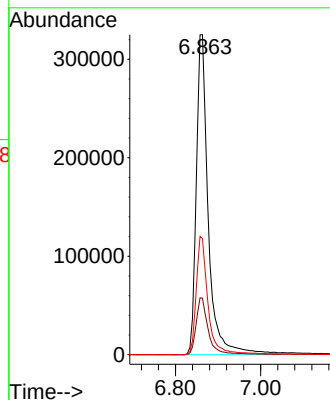
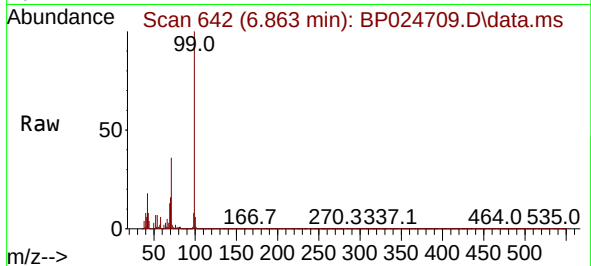




#7
Phenol-d6
Concen: 72.551 ng
RT: 6.863 min Scan# 640
Delta R.T. 0.012 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

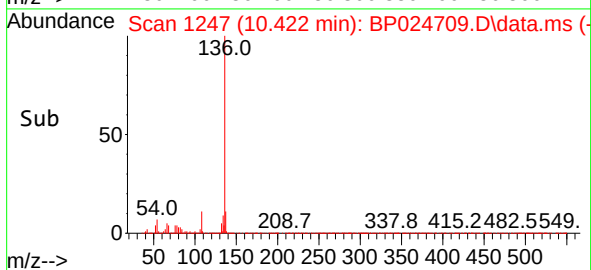
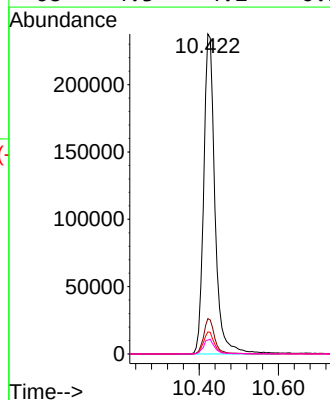
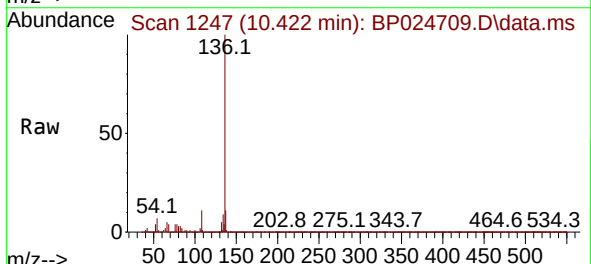
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

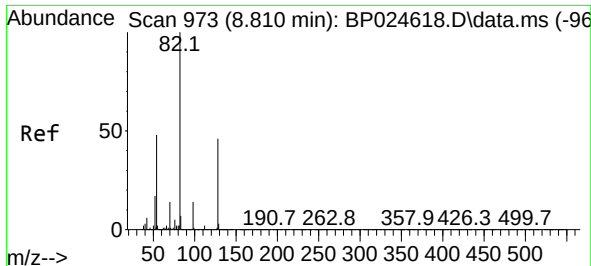
Tgt Ion: 99 Resp: 635302
Ion Ratio Lower Upper
99 100
42 17.7 14.4 21.6
71 36.3 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

Tgt Ion: 136 Resp: 469063
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.9 5.5 8.3
68 4.3 4.2 6.2

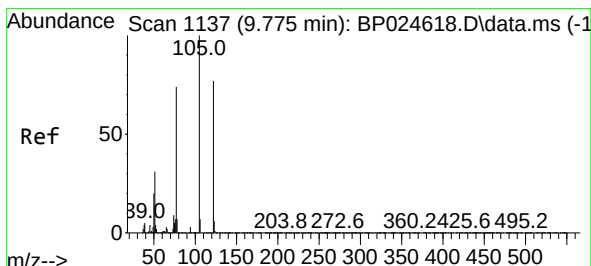
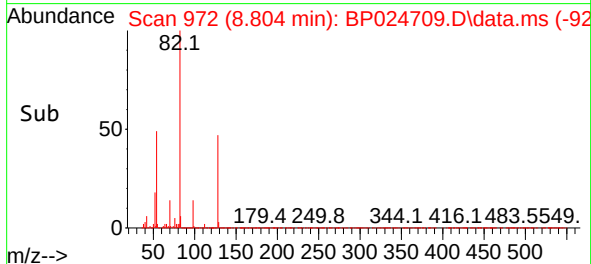
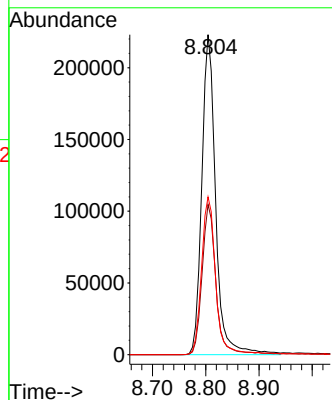
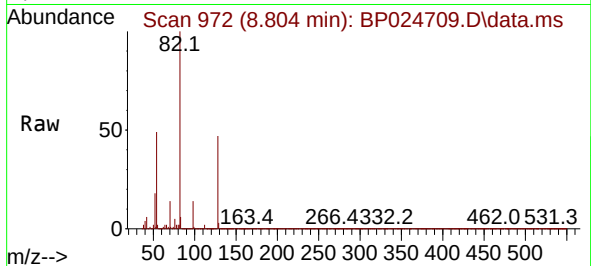




#23
Nitrobenzene-d5
Concen: 43.429 ng
RT: 8.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

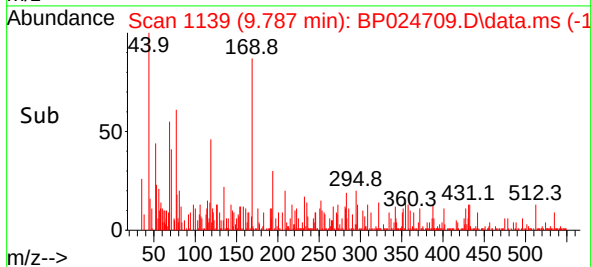
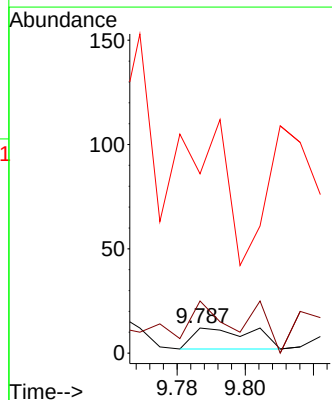
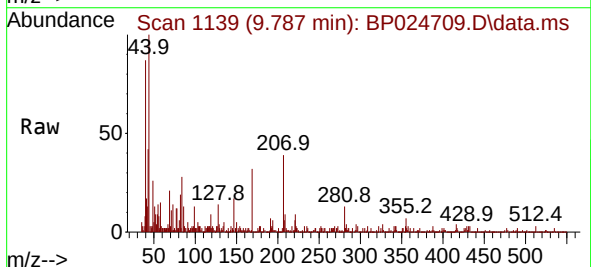
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

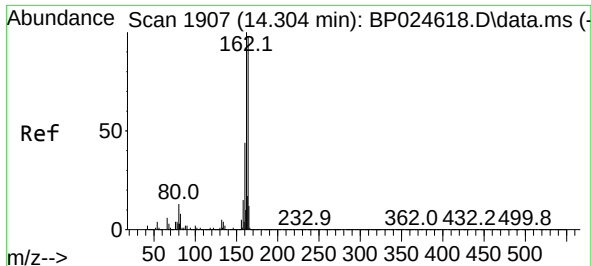
Tgt Ion: 82 Resp: 403170
Ion Ratio Lower Upper
82 100
128 46.9 37.0 55.4
54 49.3 38.7 58.1



#32
Benzoic acid
Concen: 7.470 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

Tgt Ion:122 Resp: 12
Ion Ratio Lower Upper
122 100
105 208.3 106.9 146.9#
77 716.7 75.1 115.1#

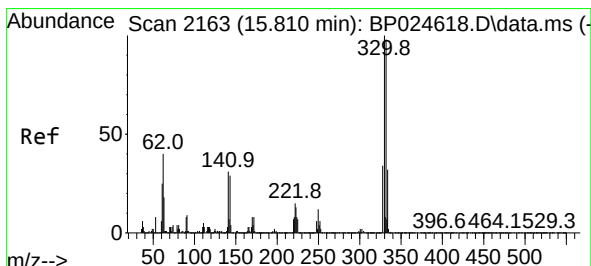
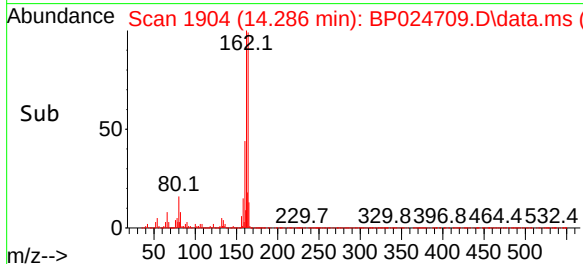
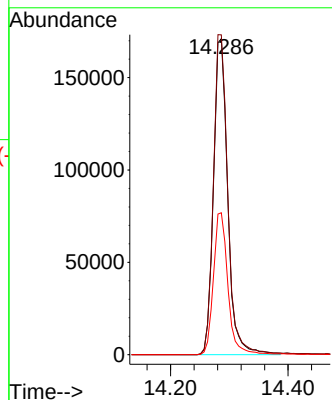
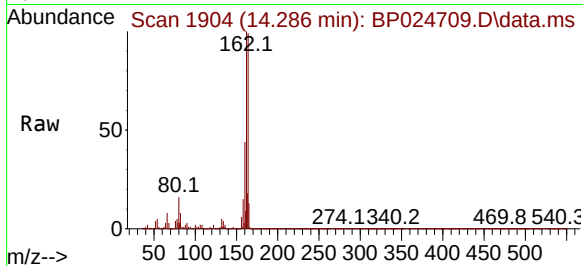




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

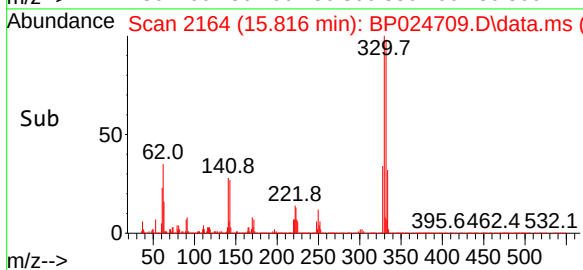
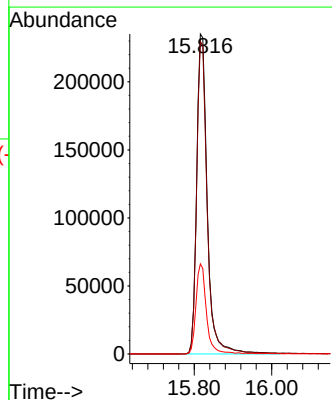
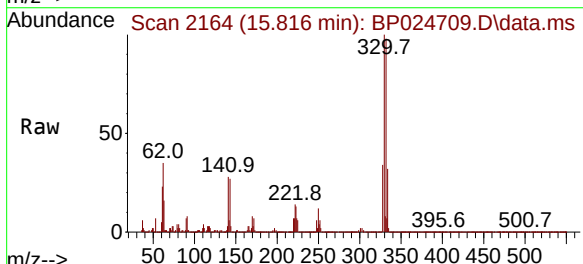
Instrument :
BNA_P
ClientSampleId :
L2-WC-5

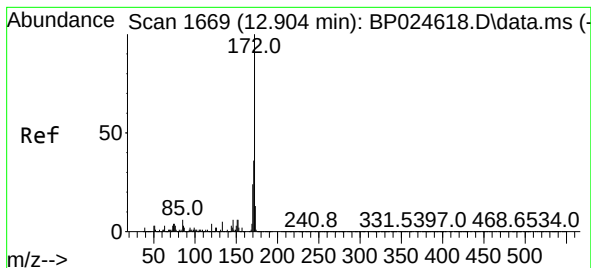
Tgt Ion:164 Resp: 287460
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.6
160 44.9 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 91.782 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

Tgt Ion:330 Resp: 447280
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.4
141 27.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 45.820 ng

RT: 12.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024709.D

Acq: 20 May 2025 15:57

Instrument :

BNA_P

ClientSampleId :

L2-WC-5

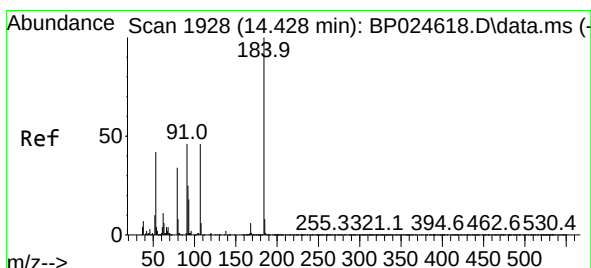
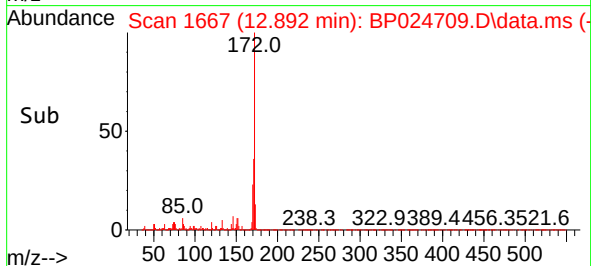
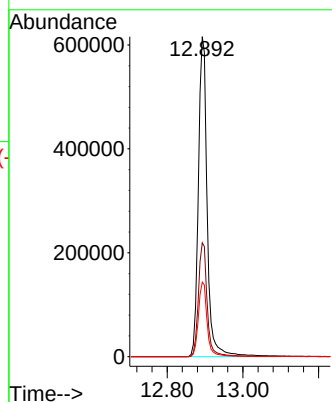
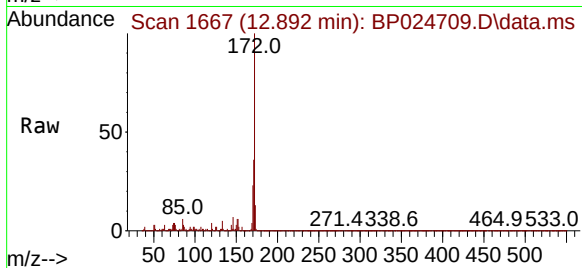
Tgt Ion:172 Resp: 1005350

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.3 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.407 ng

RT: 14.169 min Scan# 1884

Delta R.T. -0.259 min

Lab File: BP024709.D

Acq: 20 May 2025 15:57

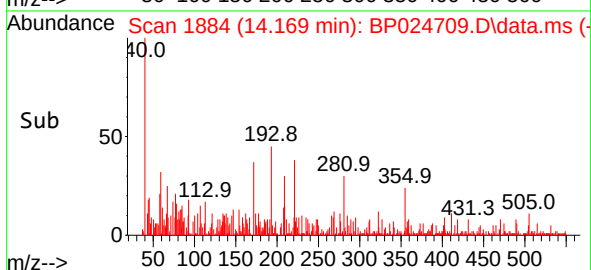
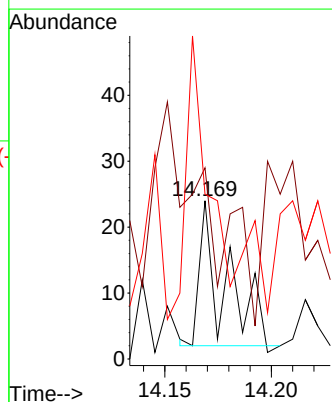
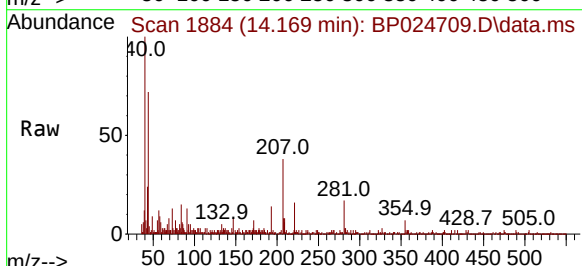
Tgt Ion:184 Resp: 18

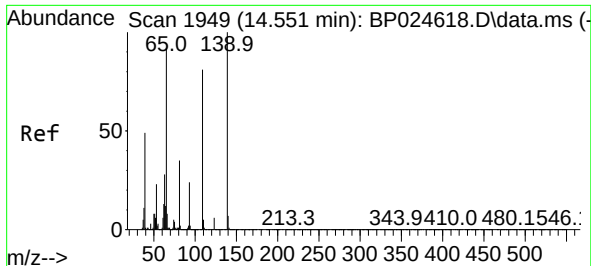
Ion Ratio Lower Upper

184 100

63 76.3 51.3 76.9

154 65.8 53.5 80.3

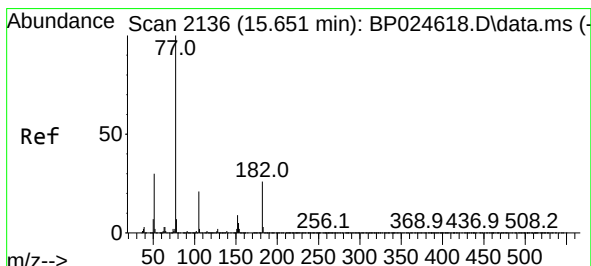
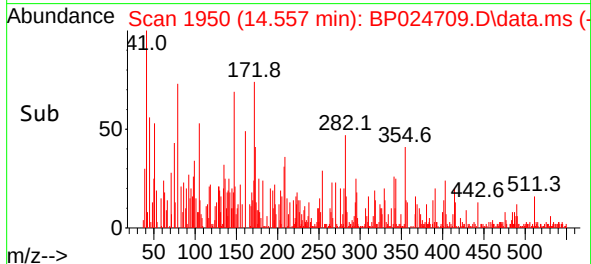
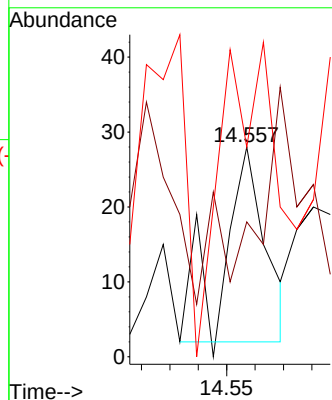
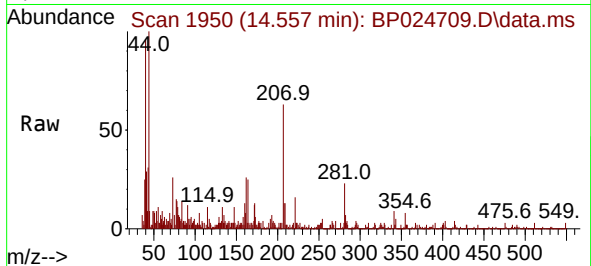




#56
4-Nitrophenol
Concen: 4.240 ng
RT: 14.557 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

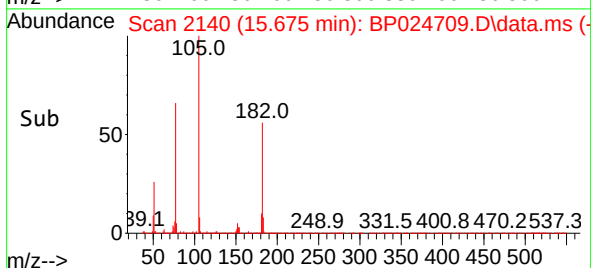
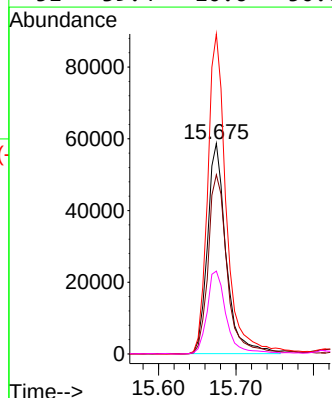
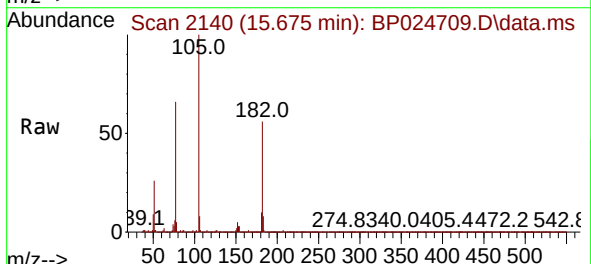
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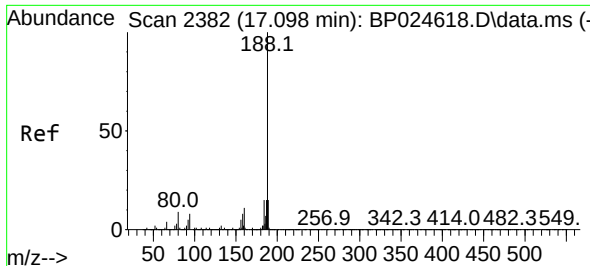
Tgt Ion:	139	Resp:	27
Ion	Ratio	Lower	Upper
139	100		
109	64.3	61.4	101.4
65	100.0	72.2	112.2



#63
Azobenzene
Concen: 5.184 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.023 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

Tgt Ion:	77	Resp:	98214
Ion	Ratio	Lower	Upper
77	100		
182	85.1	5.7	45.7#
105	152.0	1.3	41.3#
51	39.4	10.6	50.6

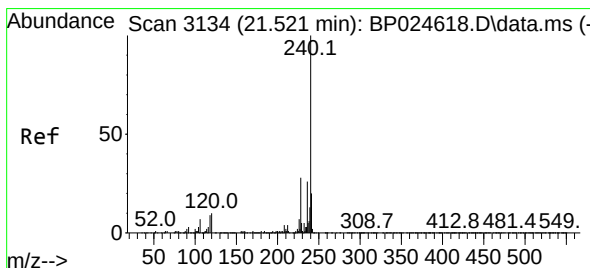
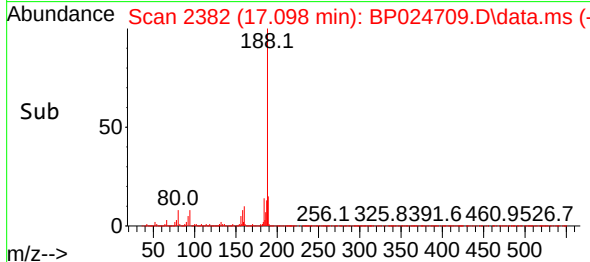
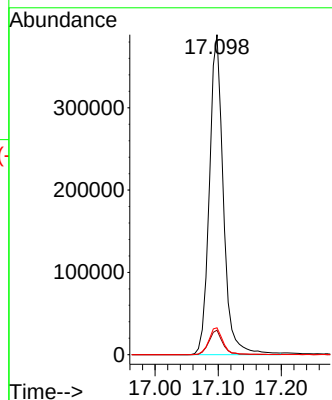
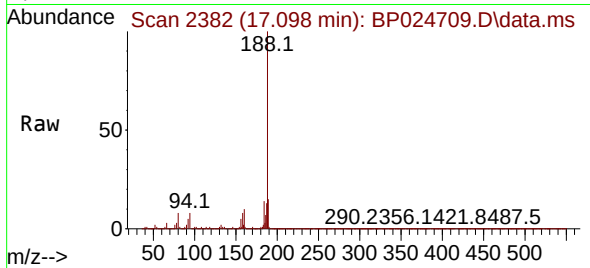




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

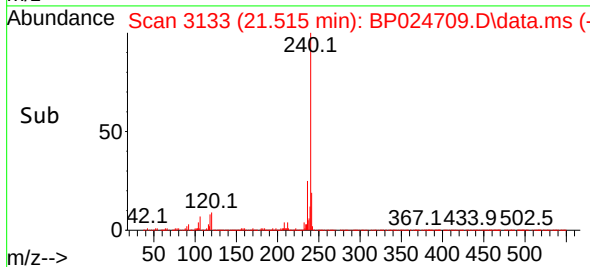
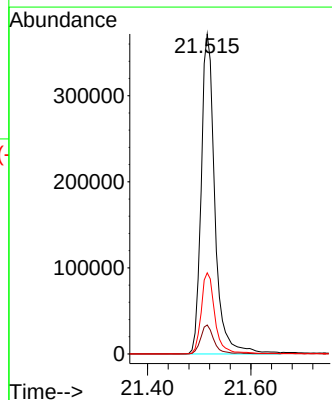
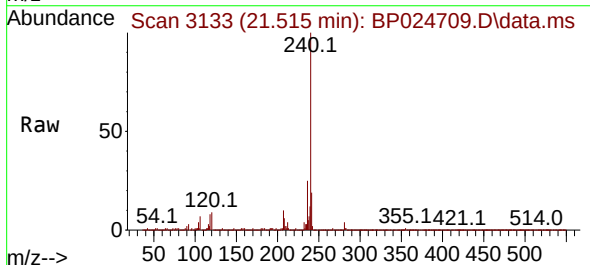
Instrument :
BNA_P
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L2-WC-5

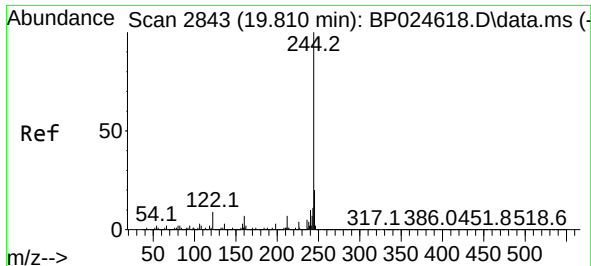
Tgt Ion:188 Resp: 596703
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 8.4 7.3 10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024709.D
Acq: 20 May 2025 15:57

Tgt Ion:240 Resp: 682691
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.6
236 25.3 20.6 31.0

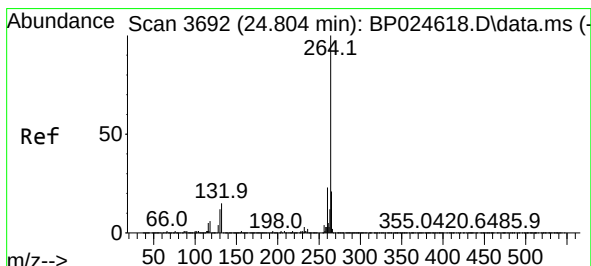
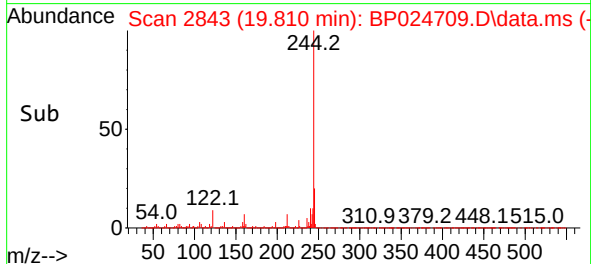
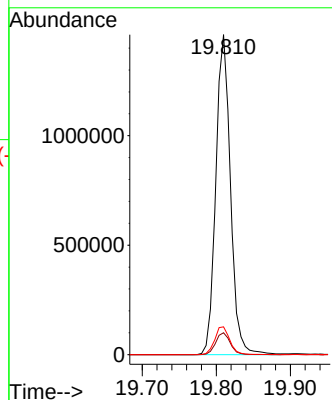
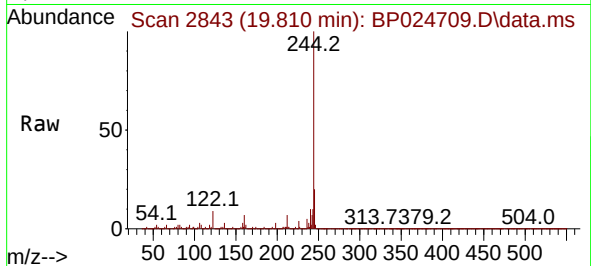




#79
 Terphenyl-d14
 Concen: 50.351 ng
 RT: 19.810 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP024709.D
 Acq: 20 May 2025 15:57

Instrument :
 BNA_P
 ClientSampleId :
 L2-WC-5

Tgt Ion:244 Resp: 2004701
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 8.7 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.792 min Scan# 3690
 Delta R.T. -0.012 min
 Lab File: BP024709.D
 Acq: 20 May 2025 15:57

Tgt Ion:264 Resp: 793403
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.8 17.0 25.6

