

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051925\
 Data File : BP024688.D
 Acq On : 19 May 2025 14:09
 Operator : RC/JU
 Sample : PB168041BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 19 15:01:00 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)

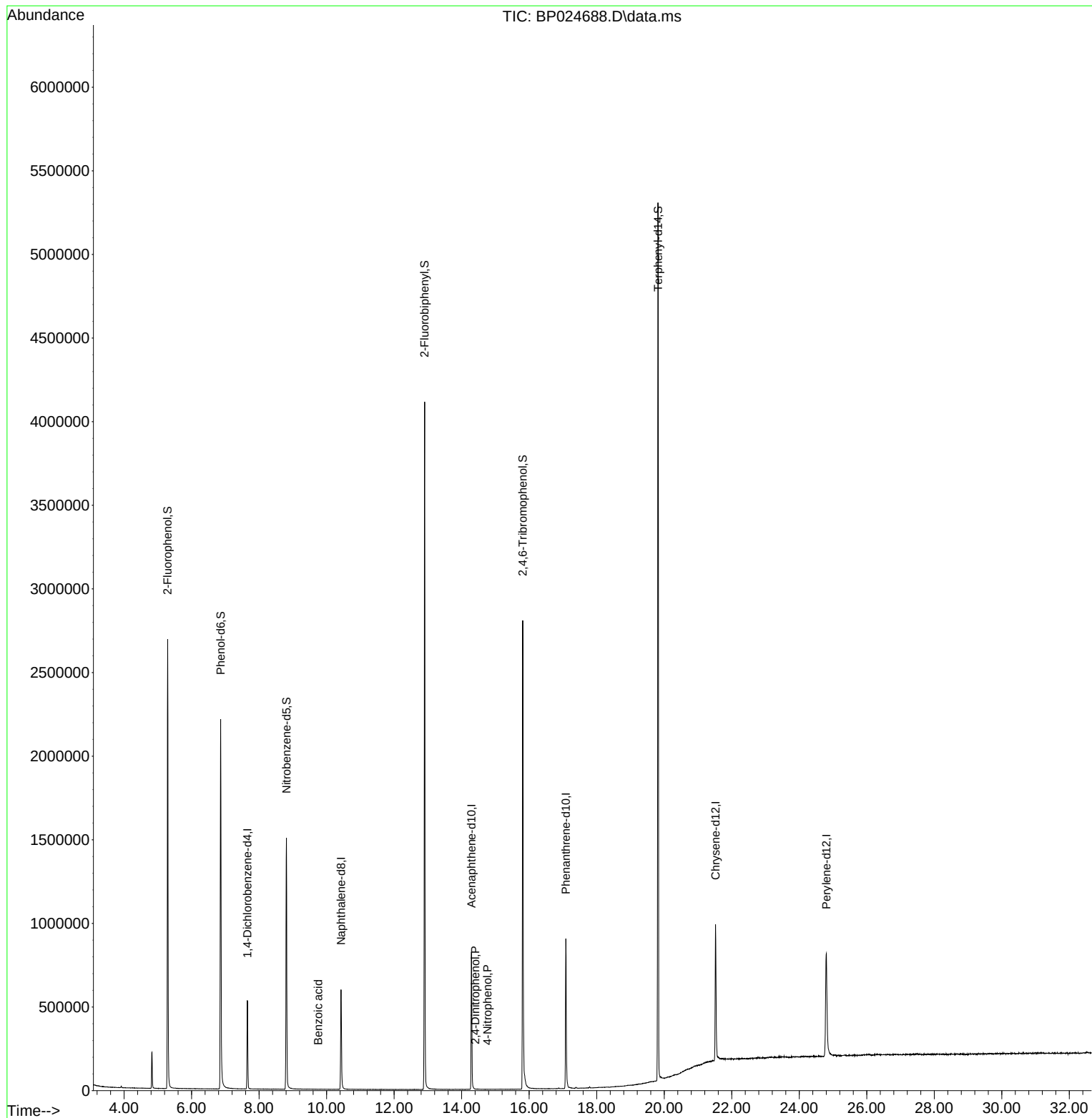
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	146055	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	546676	20.000	ng	0.00
39) Acenaphthene-d10	14.293	164	318784	20.000	ng	-0.01
64) Phenanthrene-d10	17.087	188	591988	20.000	ng	-0.01
76) Chrysene-d12	21.522	240	589770	20.000	ng	0.00
86) Perylene-d12	24.804	264	764959	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1172075	137.255	ng	0.00
7) Phenol-d6	6.864	99	1377861	126.426	ng	0.01
23) Nitrobenzene-d5	8.811	82	850821	78.637	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	708012	131.009	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1973403	81.102	ng	0.00
79) Terphenyl-d14	19.816	244	2881122	83.766	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.752	122	31	7.473	ng	# 1
54) 2,4-Dinitrophenol	14.404	184	27	6.409	ng	# 84
56) 4-Nitrophenol	14.763	139	13	4.237	ng	92

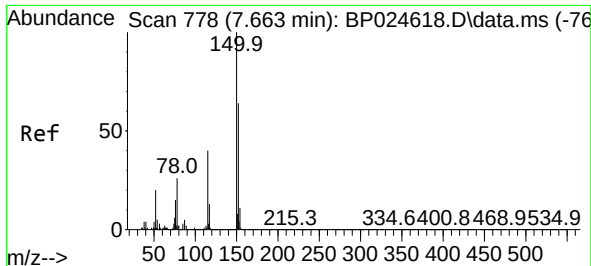
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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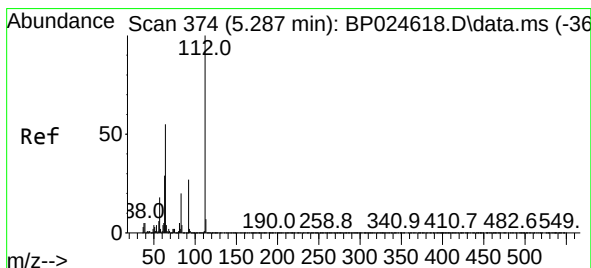
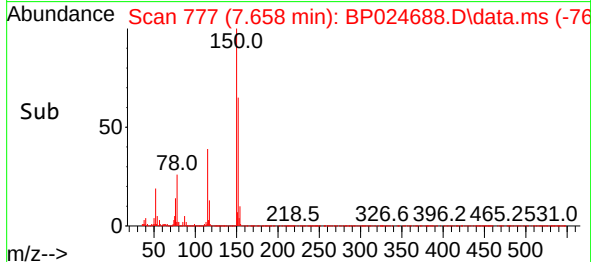
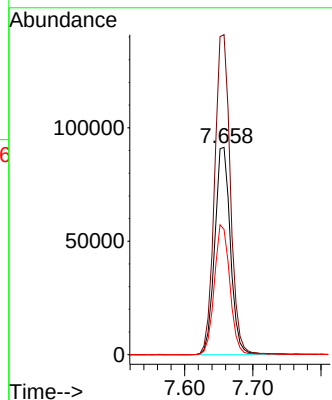
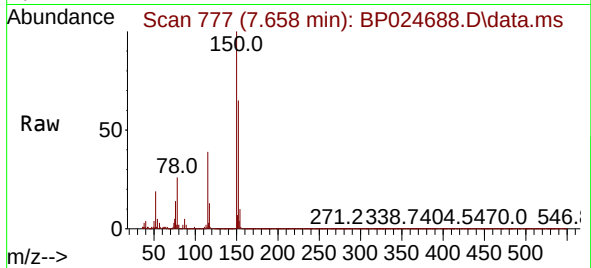




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

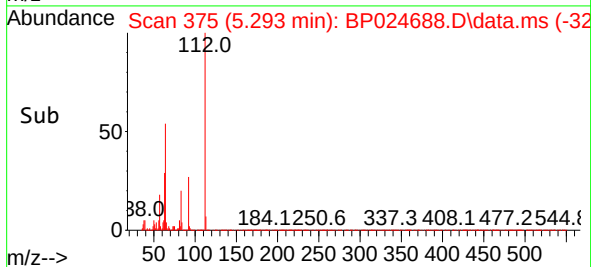
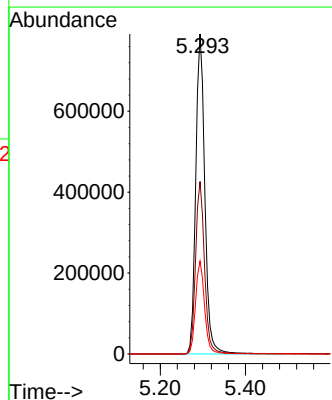
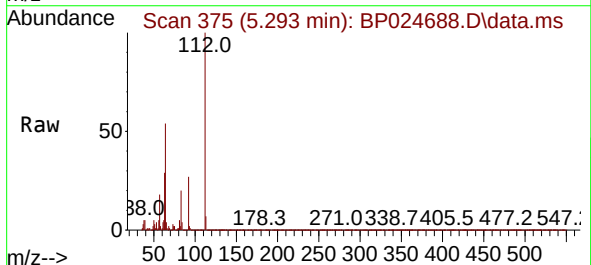
Instrument :
BNA_P
ClientSampleId :

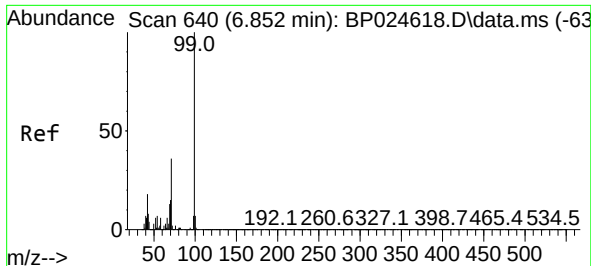
Tgt Ion:152 Resp: 146055
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 60.4 50.1 75.1



#5
2-Fluorophenol
Concen: 137.255 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

Tgt Ion:112 Resp: 1172075
Ion Ratio Lower Upper
112 100
64 53.9 44.1 66.1
63 29.0 23.5 35.3

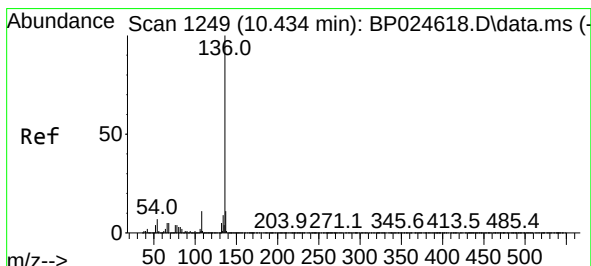
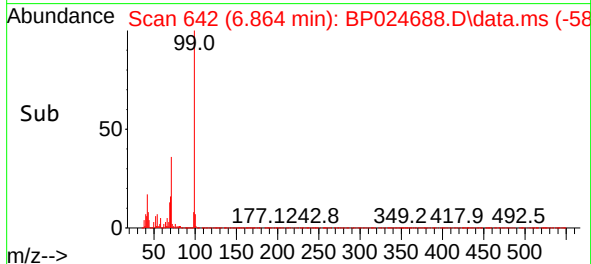
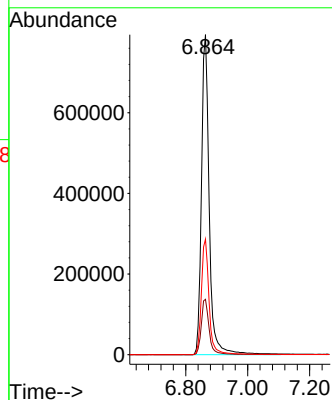
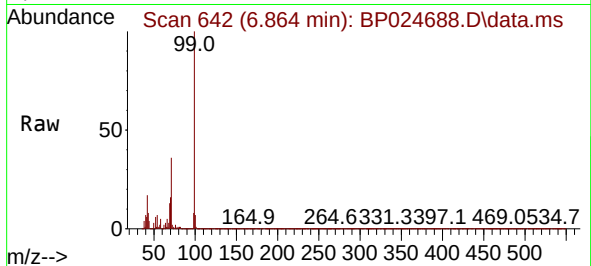




#7
Phenol-d6
Concen: 126.426 ng
RT: 6.864 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

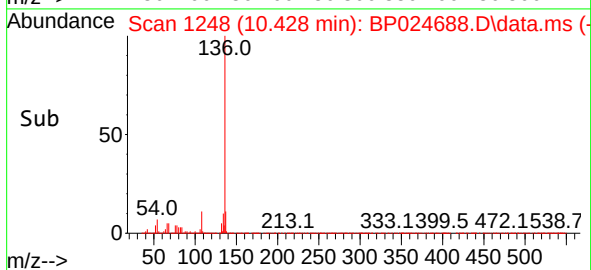
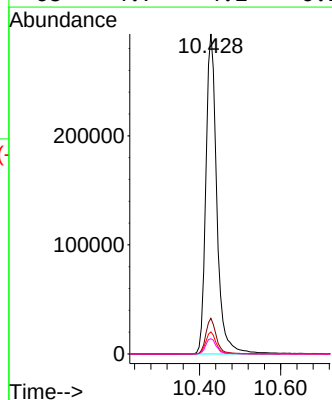
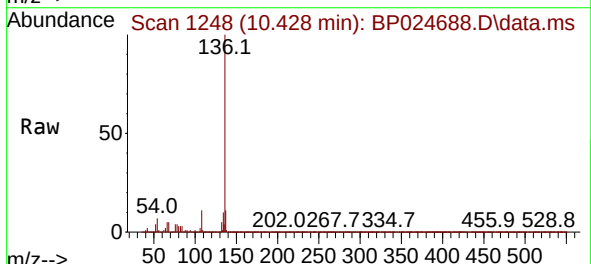
Instrument :
BNA_P
ClientSampleId :

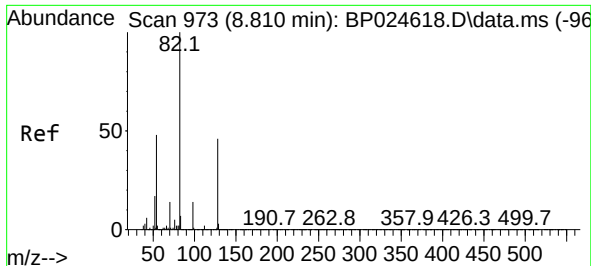
Tgt Ion: 99 Resp: 1377861
Ion Ratio Lower Upper
99 100
42 17.3 14.4 21.6
71 36.1 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

Tgt Ion: 136 Resp: 546676
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.9 5.5 8.3
68 4.7 4.2 6.2

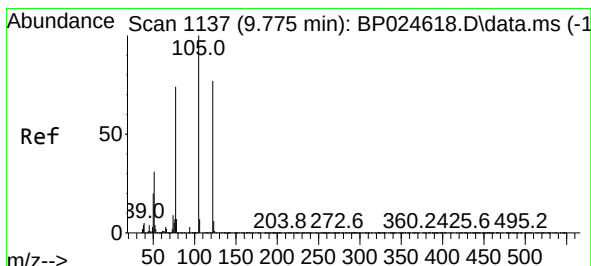
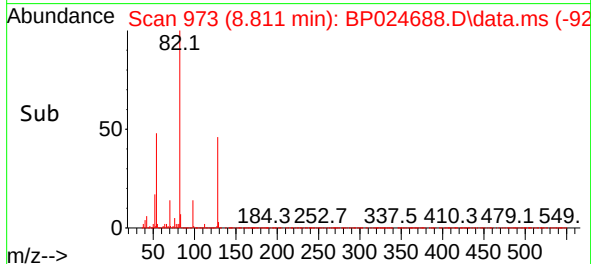
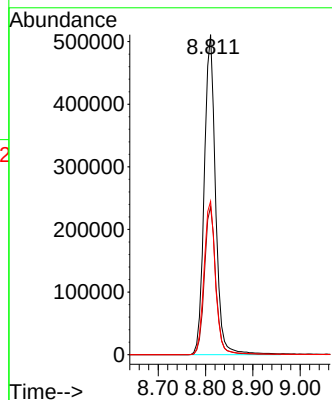
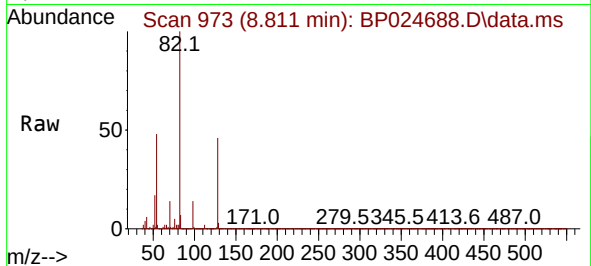




#23
Nitrobenzene-d5
Concen: 78.637 ng
RT: 8.811 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

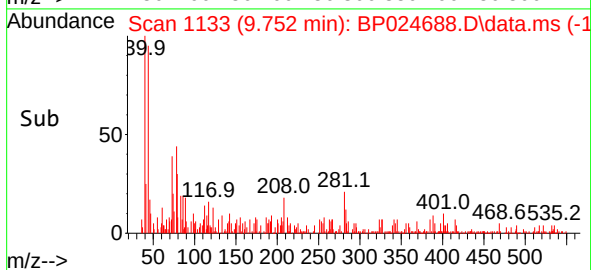
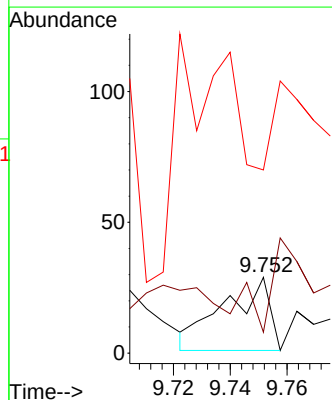
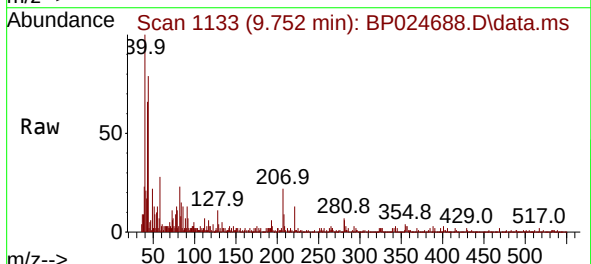
Instrument :
BNA_P
ClientSampleId :

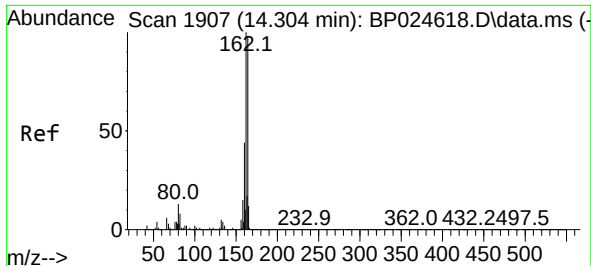
Tgt Ion: 82 Resp: 850821
Ion Ratio Lower Upper
82 100
128 46.2 37.0 55.4
54 47.9 38.7 58.1



#32
Benzoic acid
Concen: 7.473 ng
RT: 9.752 min Scan# 1133
Delta R.T. -0.023 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

Tgt Ion:122 Resp: 31
Ion Ratio Lower Upper
122 100
105 27.6 106.9 146.9#
77 241.4 75.1 115.1#

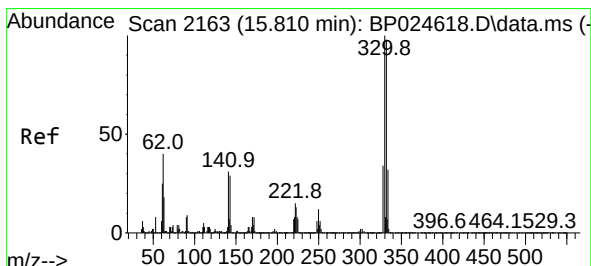
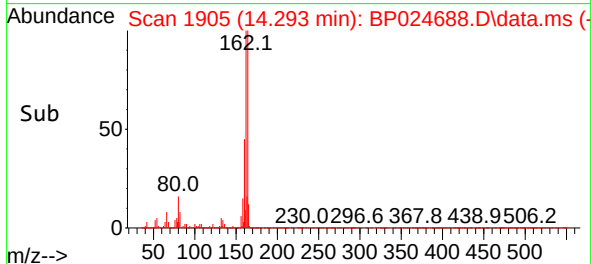
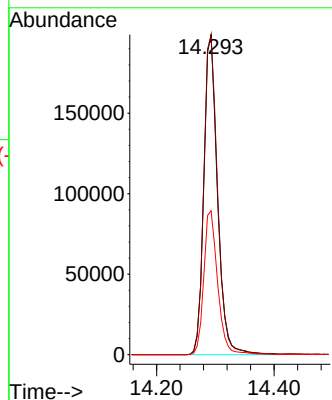
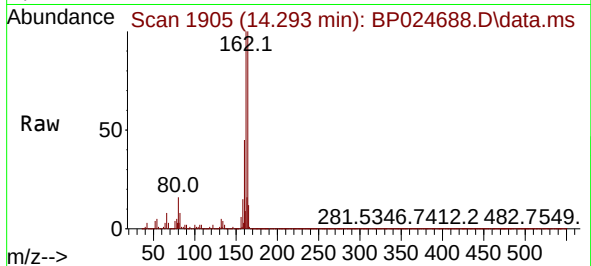




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

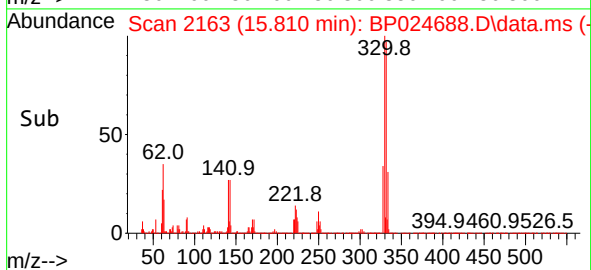
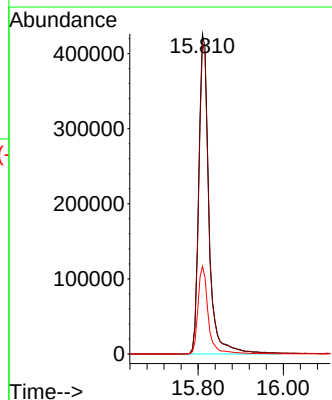
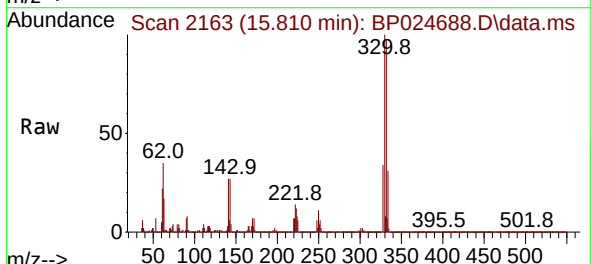
Instrument :
BNA_P
ClientSampleId :

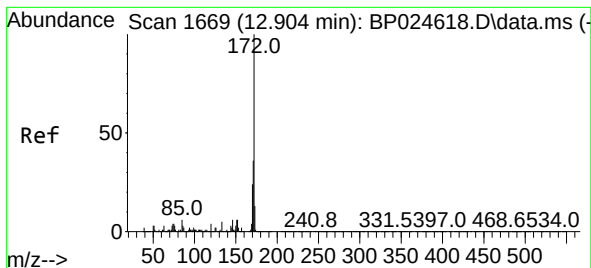
Tgt Ion:164 Resp: 318784
Ion Ratio Lower Upper
164 100
162 99.6 81.8 122.6
160 45.0 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 131.009 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

Tgt Ion:330 Resp: 708012
Ion Ratio Lower Upper
330 100
332 97.5 78.2 117.4
141 27.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 81.102 ng

RT: 12.904 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024688.D

Acq: 19 May 2025 14:09

Instrument :

BNA_P

ClientSampleId :

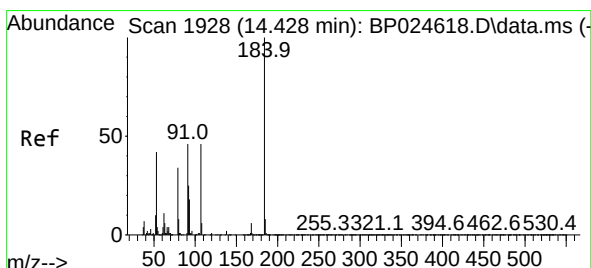
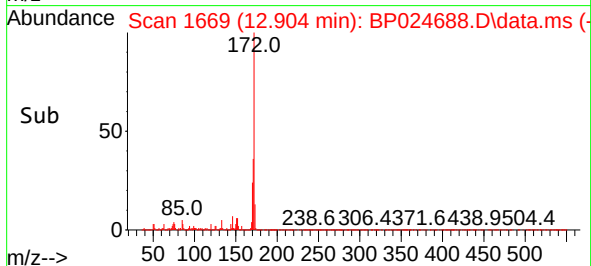
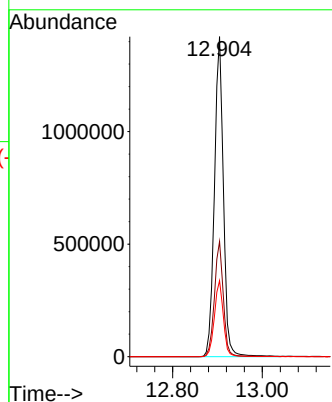
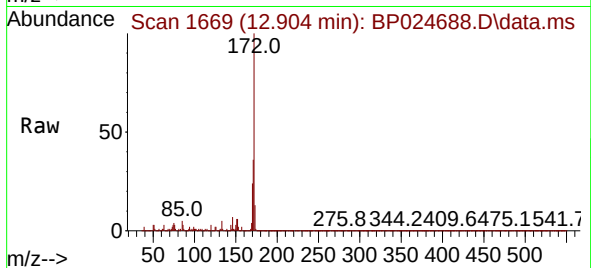
Tgt Ion:172 Resp: 1973403

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.7 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.409 ng

RT: 14.404 min Scan# 1924

Delta R.T. -0.024 min

Lab File: BP024688.D

Acq: 19 May 2025 14:09

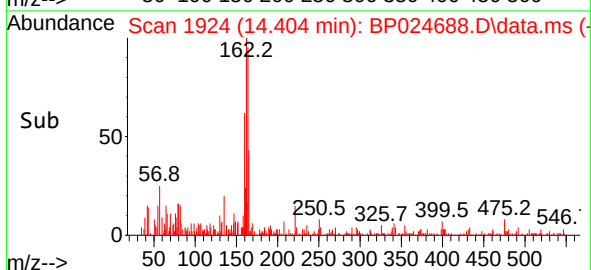
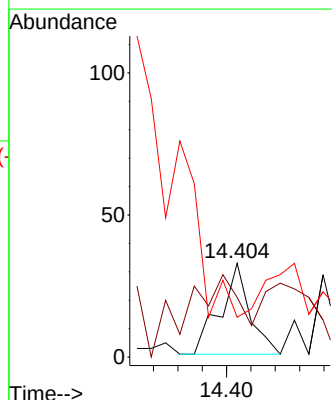
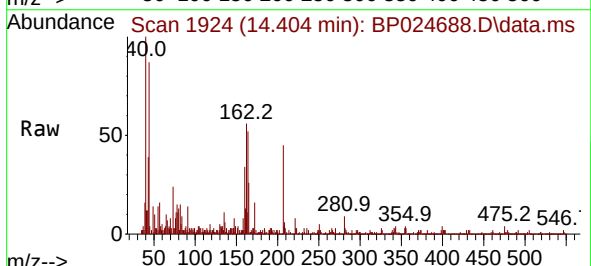
Tgt Ion:184 Resp: 27

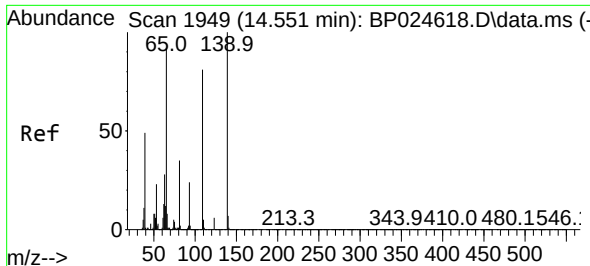
Ion Ratio Lower Upper

184 100

63 63.6 51.3 76.9

154 42.4 53.5 80.3#

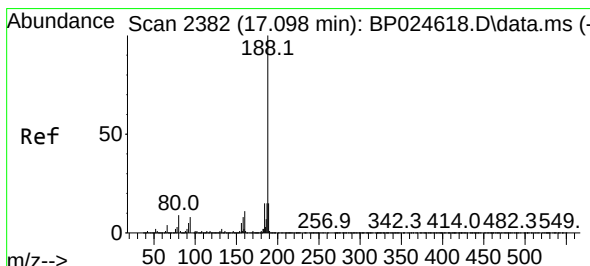
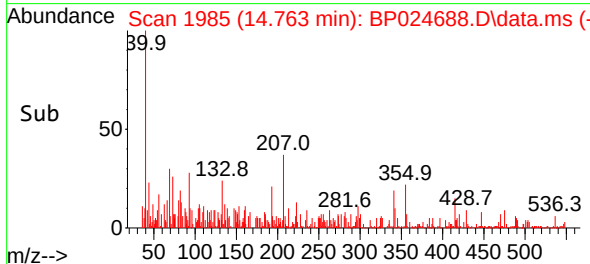
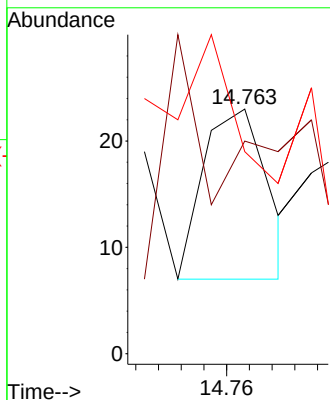
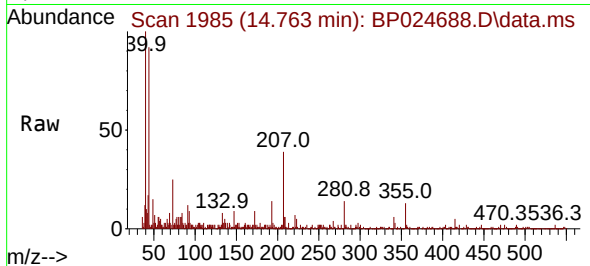




#56
4-Nitrophenol
Concen: 4.237 ng
RT: 14.763 min Scan# 13
Delta R.T. 0.212 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

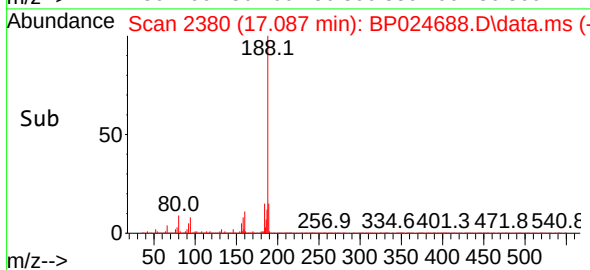
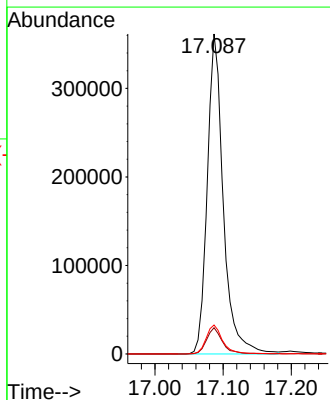
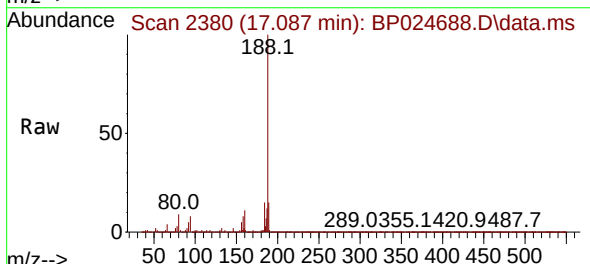
Instrument :
BNA_P
ClientSampleId :

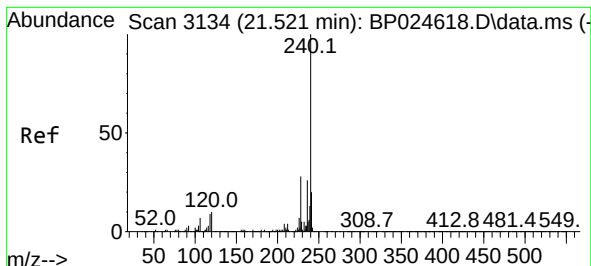
Tgt Ion:139 Resp: 13
Ion Ratio Lower Upper
139 100
109 87.0 61.4 101.4
65 82.6 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

Tgt Ion:188 Resp: 591988
Ion Ratio Lower Upper
188 100
94 8.2 6.5 9.7
80 9.0 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.522 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024688.D

Acq: 19 May 2025 14:09

Instrument :

BNP

ClientSampleId :

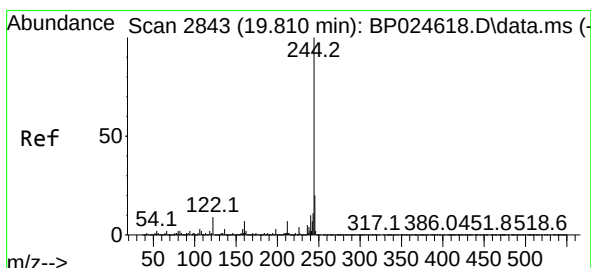
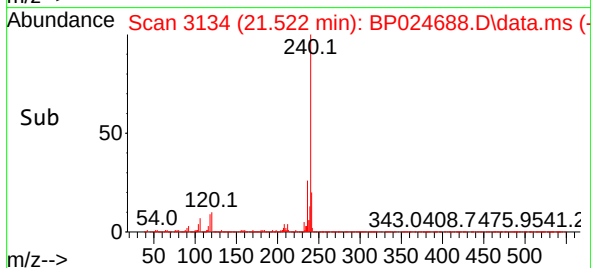
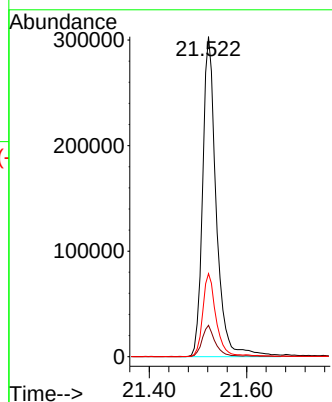
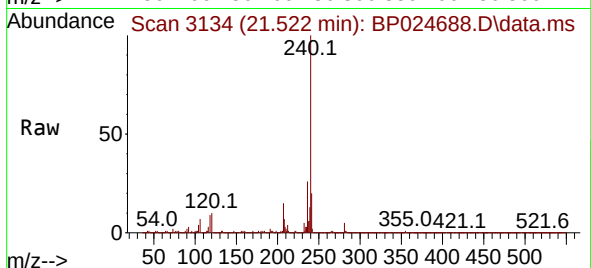
Tgt Ion:240 Resp: 589770

Ion Ratio Lower Upper

240 100

120 9.8 7.8 11.6

236 25.9 20.6 31.0



#79

Terphenyl-d14

Concen: 83.766 ng

RT: 19.816 min Scan# 2844

Delta R.T. 0.006 min

Lab File: BP024688.D

Acq: 19 May 2025 14:09

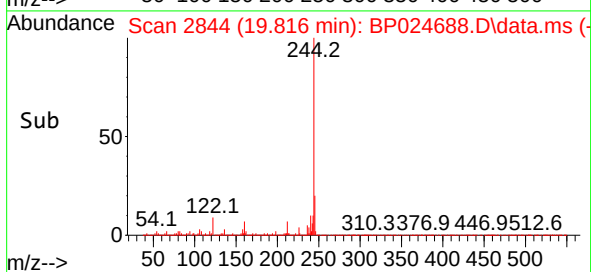
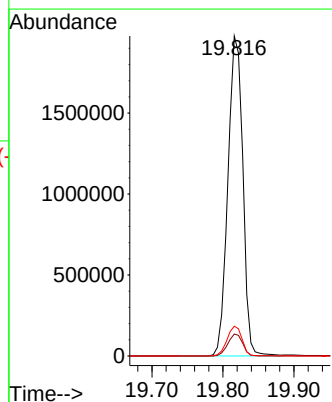
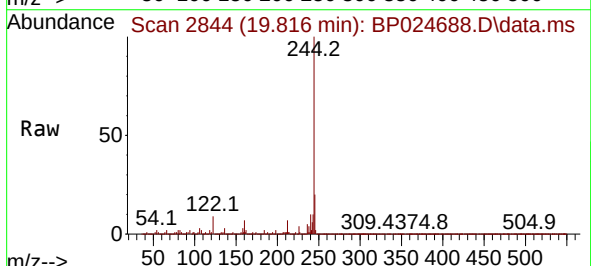
Tgt Ion:244 Resp: 2881122

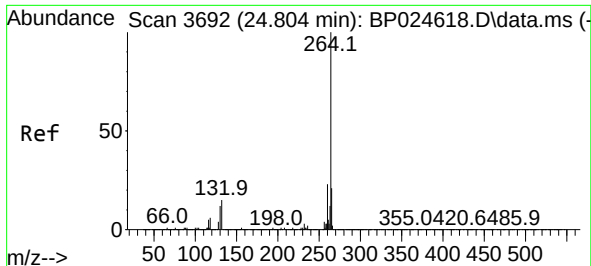
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

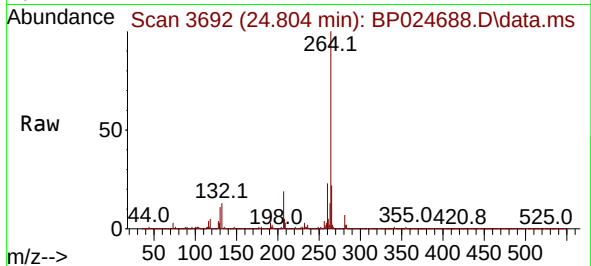
122 9.3 7.4 11.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP024688.D
Acq: 19 May 2025 14:09

Instrument :
BNA_P
ClientSampleId :



Tgt Ion:264 Resp: 764959

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.7	17.0	25.6

