

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
 Data File : BP024706.D
 Acq On : 20 May 2025 13:55
 Operator : RC/JU
 Sample : PB168048BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB168048BL

Quant Time: May 20 14:28:44 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)

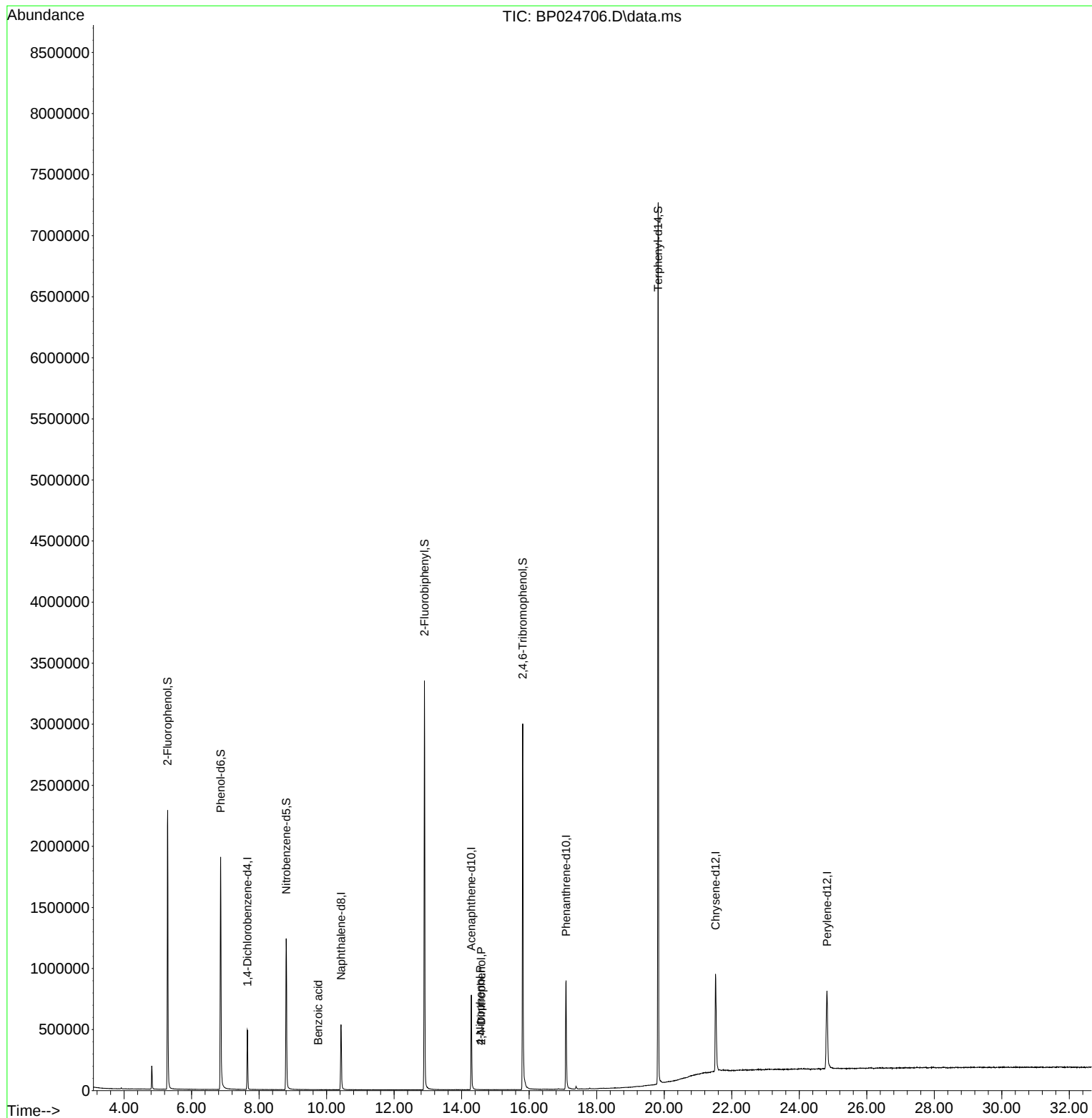
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	134412	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	500749	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	300658	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	642481	20.000	ng	0.00
76) Chrysene-d12	21.522	240	691700	20.000	ng	0.00
86) Perylene-d12	24.821	264	756782	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1042522	132.659	ng	0.00
7) Phenol-d6	6.863	99	1220255	121.663	ng	0.01
23) Nitrobenzene-d5	8.805	82	754094	76.089	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	739588	145.102	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1762567	76.804	ng	0.00
79) Terphenyl-d14	19.822	244	3635117	90.113	ng	0.01
Target Compounds						
32) Benzoic acid	9.752	122	42	7.475	ng	Qvalue # 63
54) 2,4-Dinitrophenol	14.581	184	7	6.403	ng	86
56) 4-Nitrophenol	14.551	139	13	4.237	ng	84

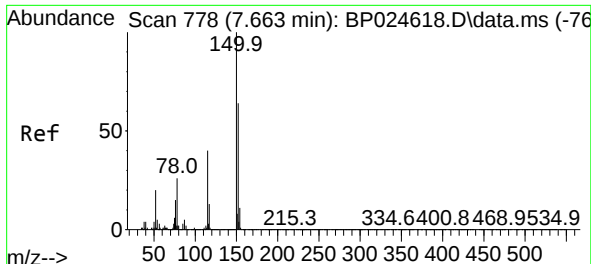
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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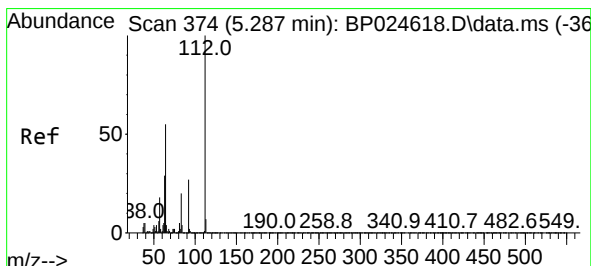
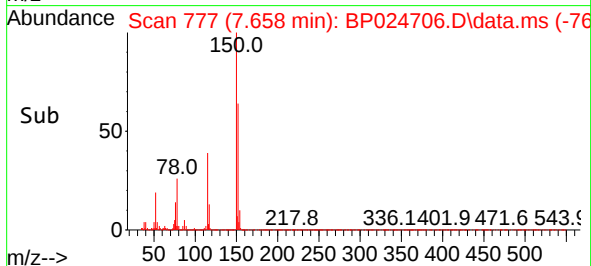
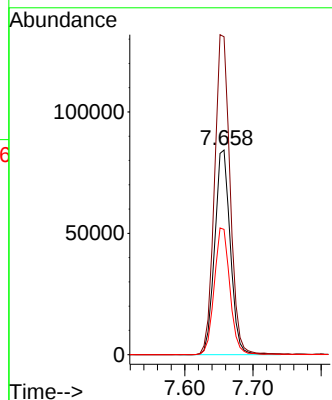
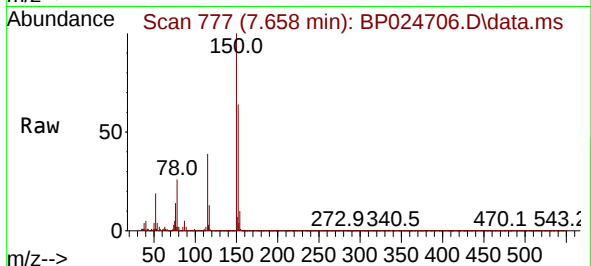




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

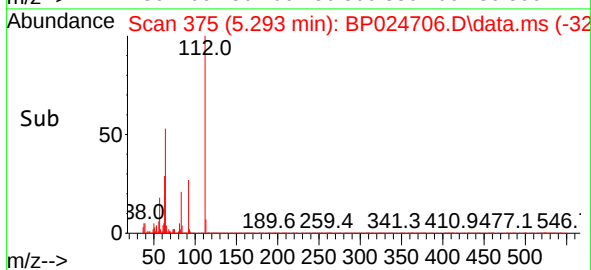
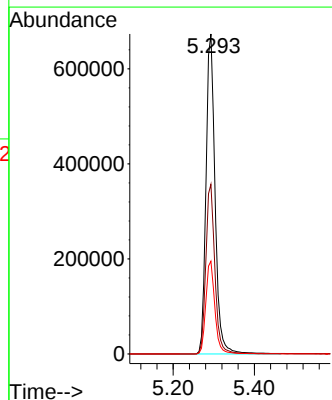
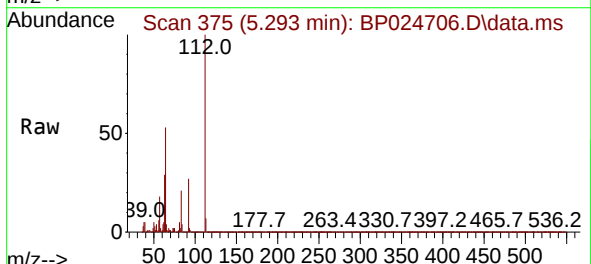
Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion:152 Resp: 134412
Ion Ratio Lower Upper
152 100
150 155.4 125.9 188.9
115 61.2 50.1 75.1



#5
2-Fluorophenol
Concen: 132.659 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:112 Resp: 1042522
Ion Ratio Lower Upper
112 100
64 53.0 44.1 66.1
63 29.0 23.5 35.3

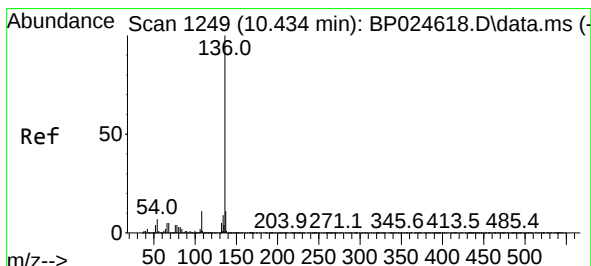
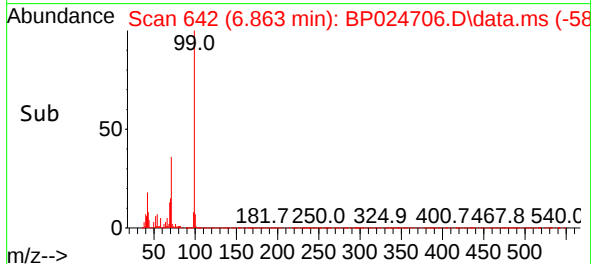
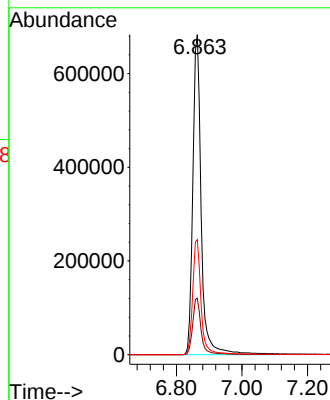
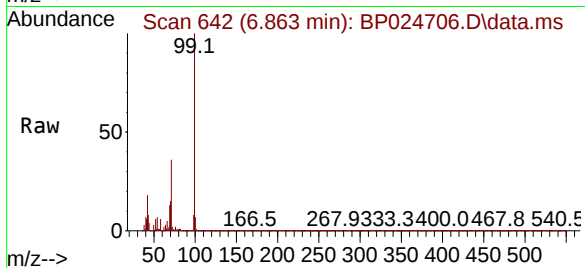




#7
Phenol-d6
Concen: 121.663 ng
RT: 6.863 min Scan# 640
Delta R.T. 0.012 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

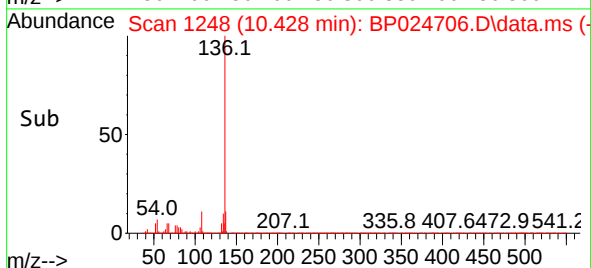
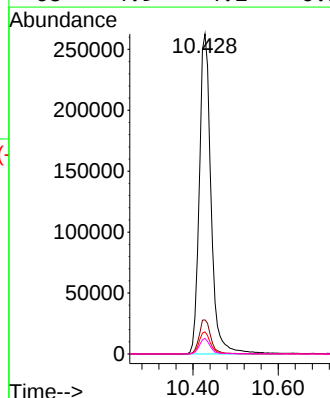
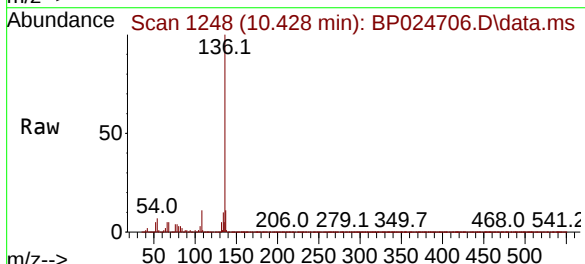
Instrument :
BNA_P
ClientSampleId :
PB168048BL

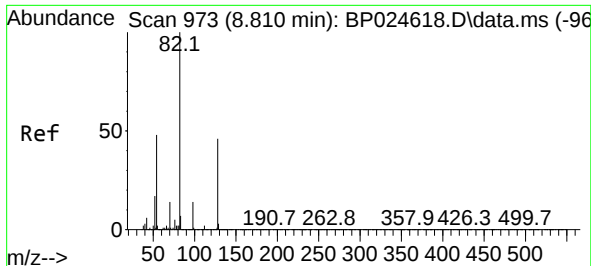
Tgt Ion: 99 Resp: 1220255
Ion Ratio Lower Upper
99 100
42 17.7 14.4 21.6
71 36.0 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:136 Resp: 500749
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.9 5.5 8.3
68 4.9 4.2 6.2

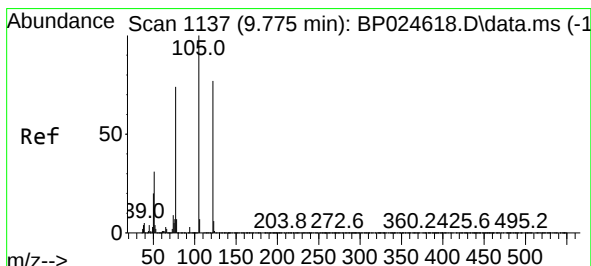
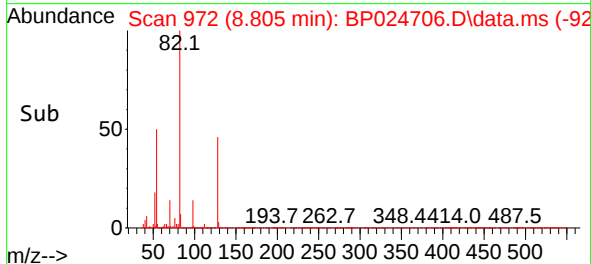
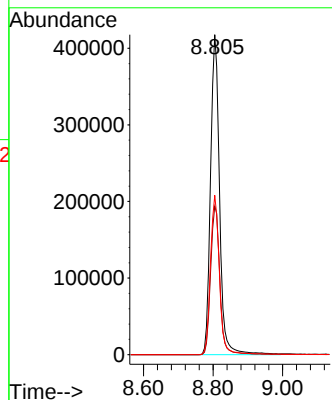
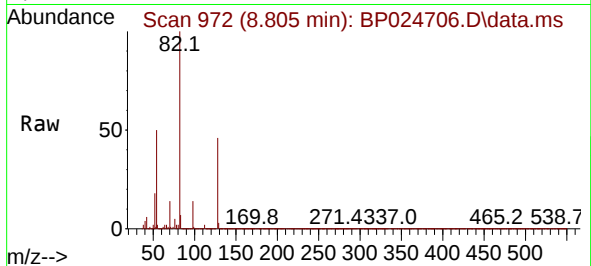




#23
Nitrobenzene-d5
Concen: 76.089 ng
RT: 8.805 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

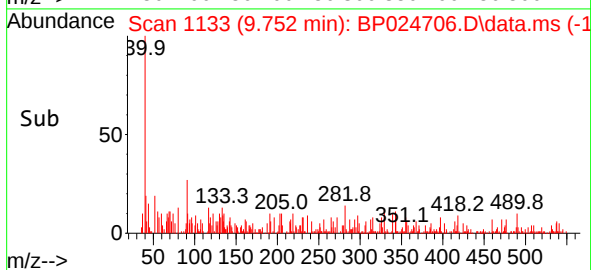
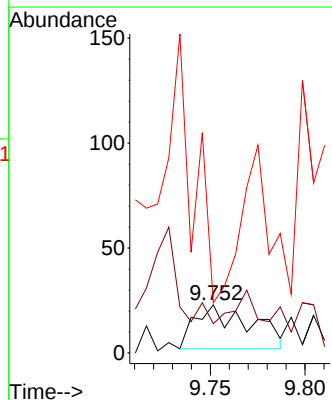
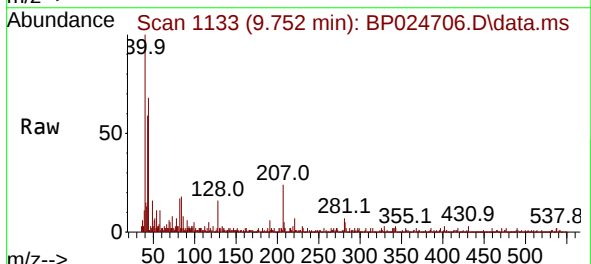
Instrument :
BNA_P
ClientSampleId :
PB168048BL

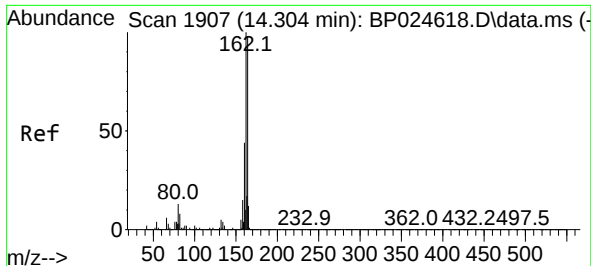
Tgt Ion: 82 Resp: 754094
Ion Ratio Lower Upper
82 100
128 46.3 37.0 55.4
54 49.8 38.7 58.1



#32
Benzoic acid
Concen: 7.475 ng
RT: 9.752 min Scan# 1133
Delta R.T. -0.023 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion: 122 Resp: 42
Ion Ratio Lower Upper
122 100
105 60.9 106.9 146.9#
77 104.3 75.1 115.1

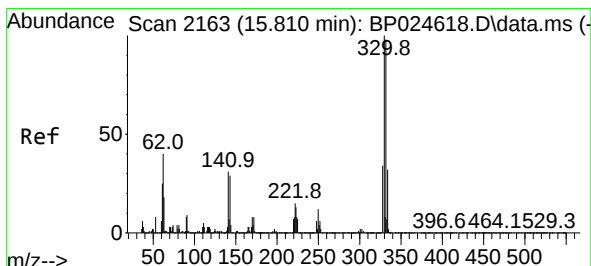
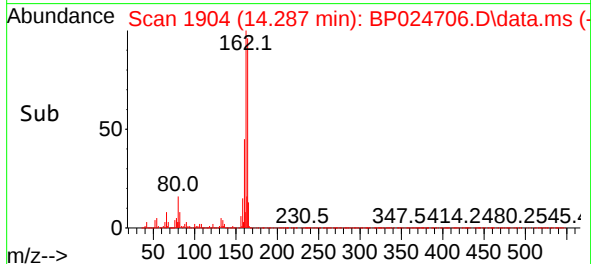
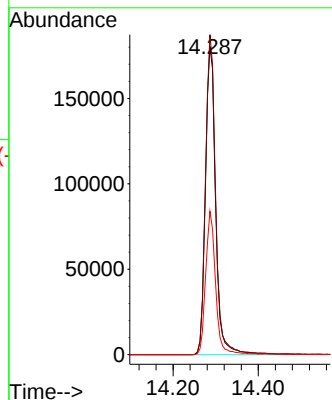
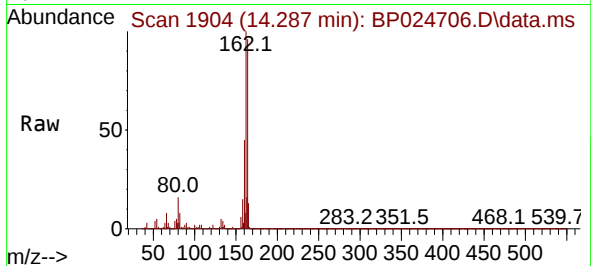




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

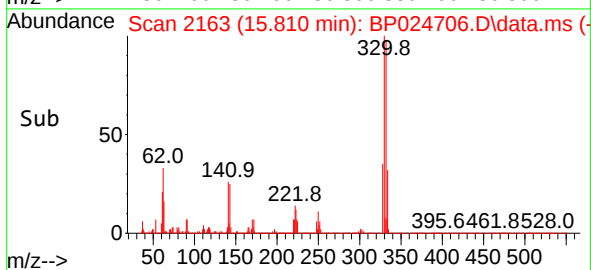
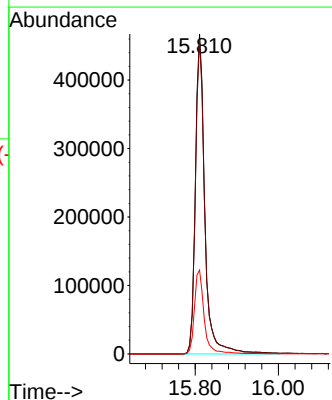
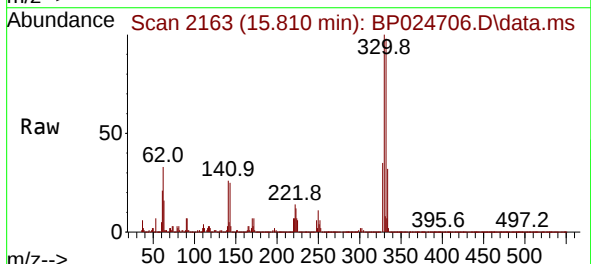
Instrument :
BNA_P
ClientSampleId :
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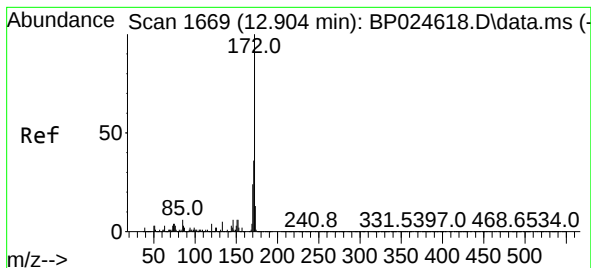
Tgt Ion:164 Resp: 300658
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.6
160 46.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 145.102 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:330 Resp: 739588
Ion Ratio Lower Upper
330 100
332 97.8 78.2 117.4
141 27.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 76.804 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024706.D

Acq: 20 May 2025 13:55

Instrument :

BNA_P

ClientSampleId :

PB168048BL

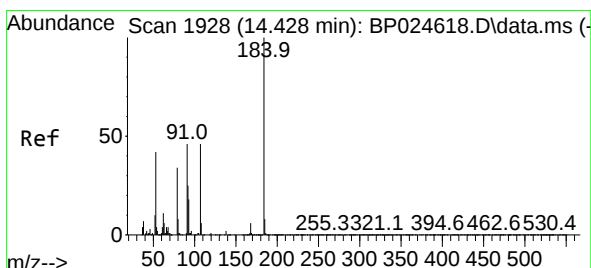
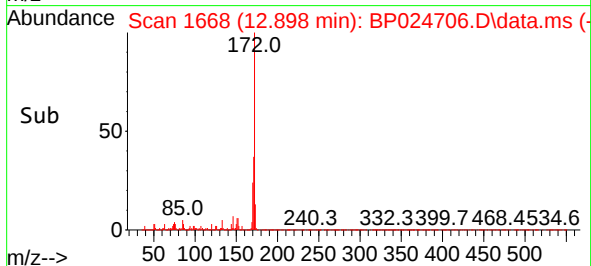
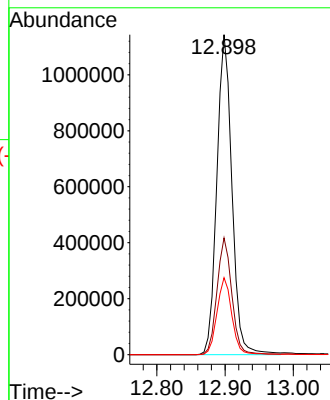
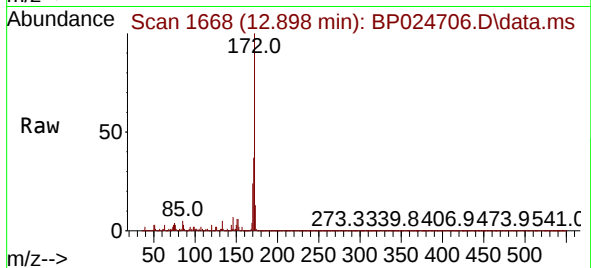
Tgt Ion:172 Resp: 1762567

Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 24.0 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.403 ng

RT: 14.581 min Scan# 1954

Delta R.T. 0.153 min

Lab File: BP024706.D

Acq: 20 May 2025 13:55

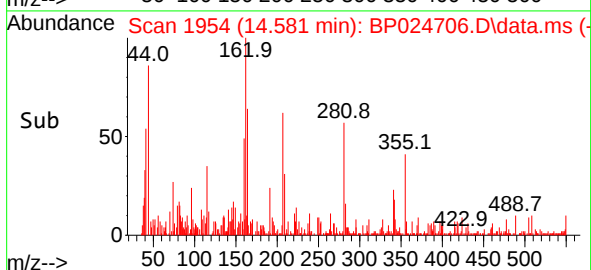
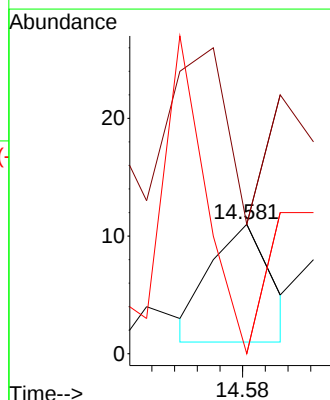
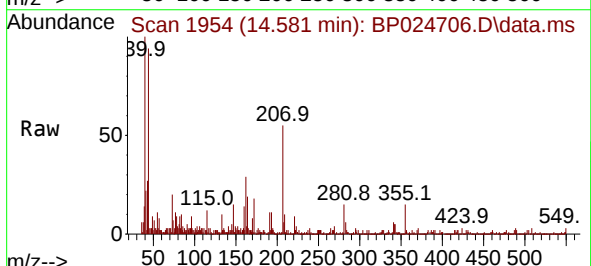
Tgt Ion:184 Resp: 7

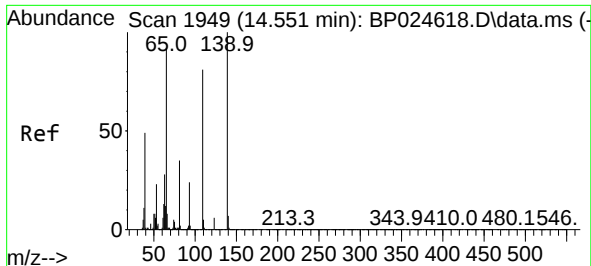
Ion Ratio Lower Upper

184 100

63 73.3 51.3 76.9

154 80.0 53.5 80.3

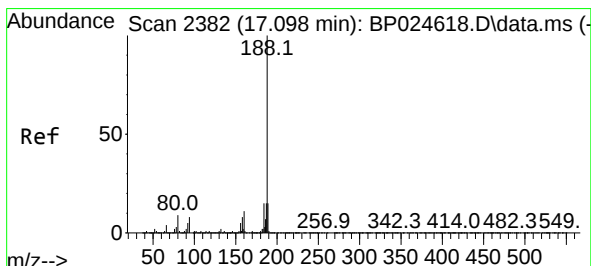
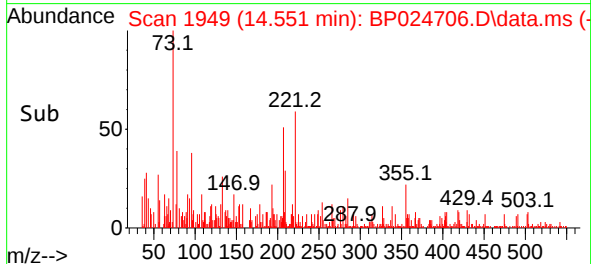
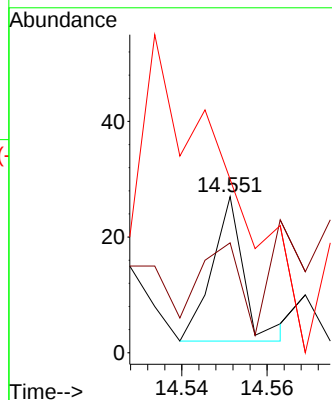
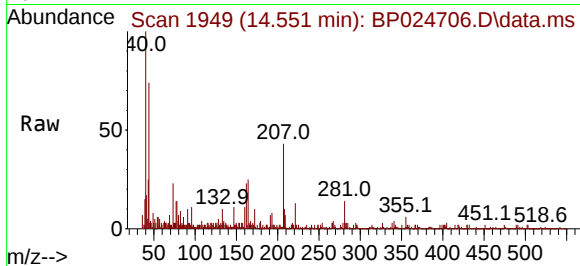




#56
4-Nitrophenol
Concen: 4.237 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

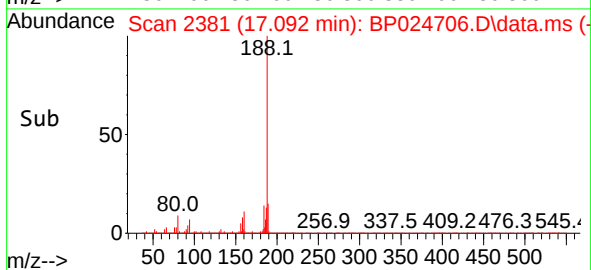
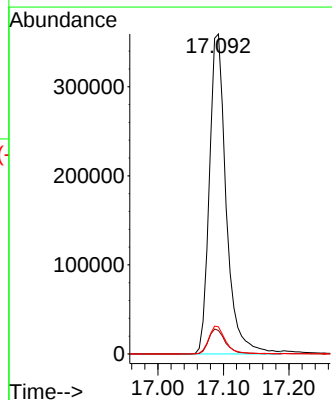
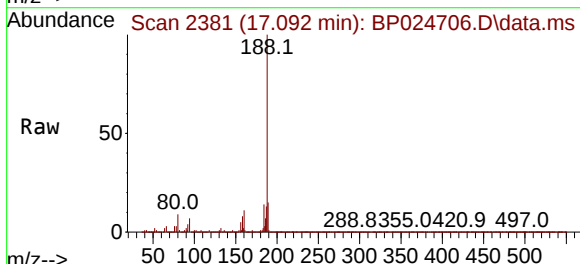
Instrument :
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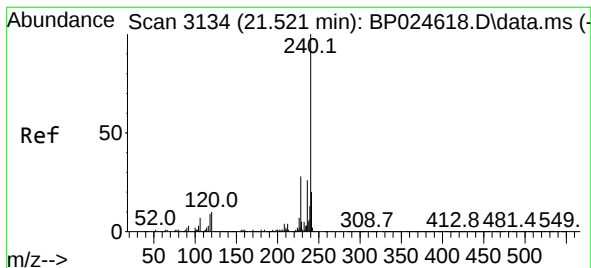
Tgt Ion:139 Resp: 13
Ion Ratio Lower Upper
139 100
109 70.4 61.4 101.4
65 111.1 72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:188 Resp: 642481
Ion Ratio Lower Upper
188 100
94 7.4 6.5 9.7
80 8.5 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: BP024706.D

Acq: 20 May 2025 13:55

Instrument :

BNA_P

ClientSampleId :

PB168048BL

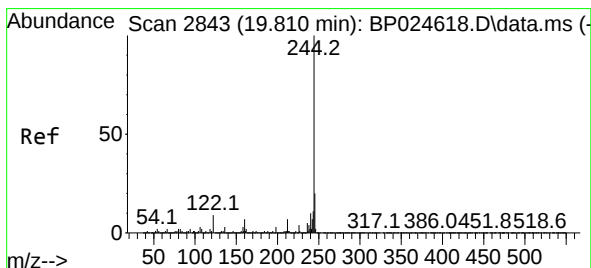
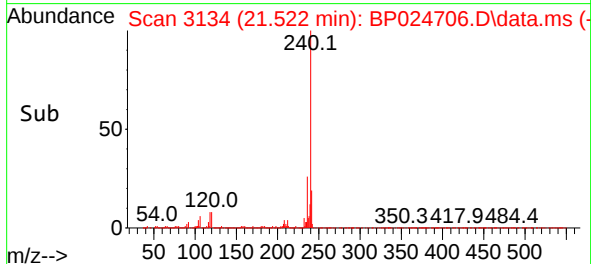
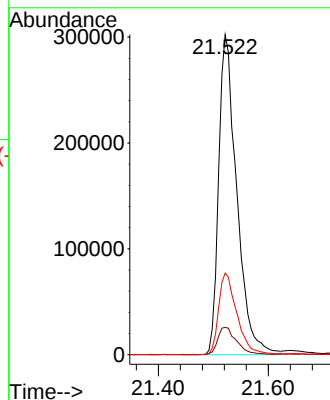
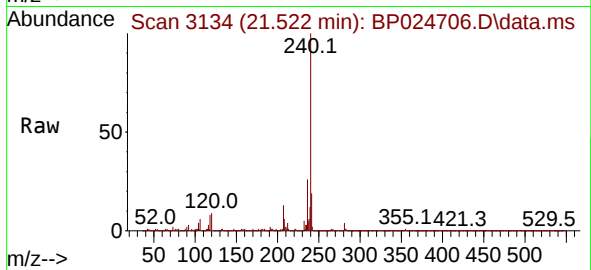
Tgt Ion:240 Resp: 691700

Ion Ratio Lower Upper

240 100

120 8.5 7.8 11.6

236 25.5 20.6 31.0



#79

Terphenyl-d14

Concen: 90.113 ng

RT: 19.822 min Scan# 2845

Delta R.T. 0.012 min

Lab File: BP024706.D

Acq: 20 May 2025 13:55

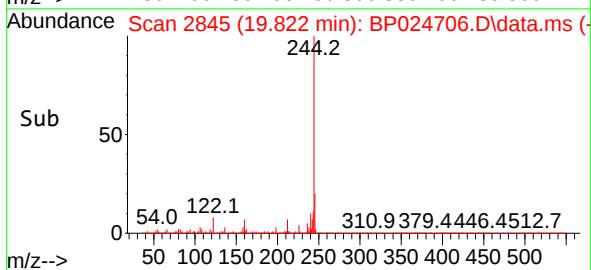
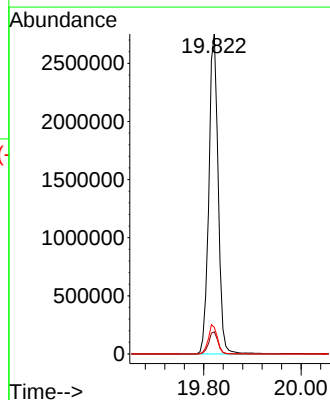
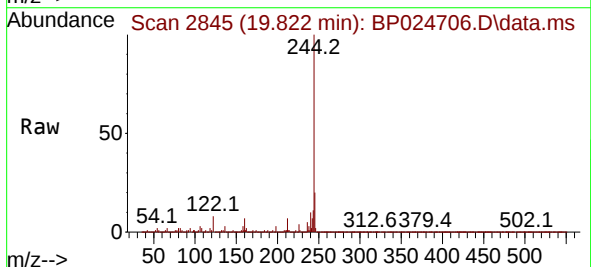
Tgt Ion:244 Resp: 3635117

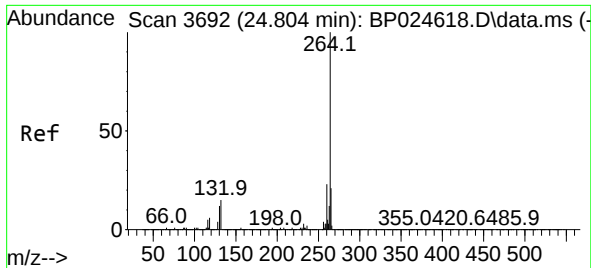
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 8.4 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.821 min Scan# 30

Delta R.T. 0.018 min

Lab File: BP024706.D

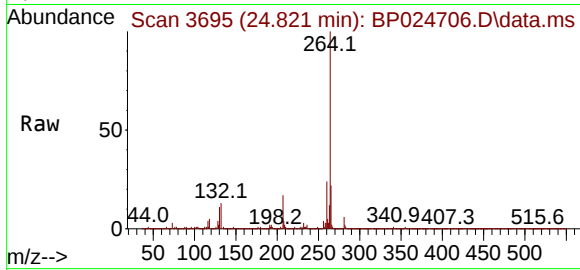
Acq: 20 May 2025 13:55

Instrument :

BNA_P

ClientSampleId :

PB168048BL



Tgt Ion:264 Resp: 756782

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 22.2 17.0 25.6

