

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
 Data File : BP024667.D
 Acq On : 16 May 2025 21:44
 Operator : RC/JU
 Sample : Q2038-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11991

Quant Time: May 17 00:48:40 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)

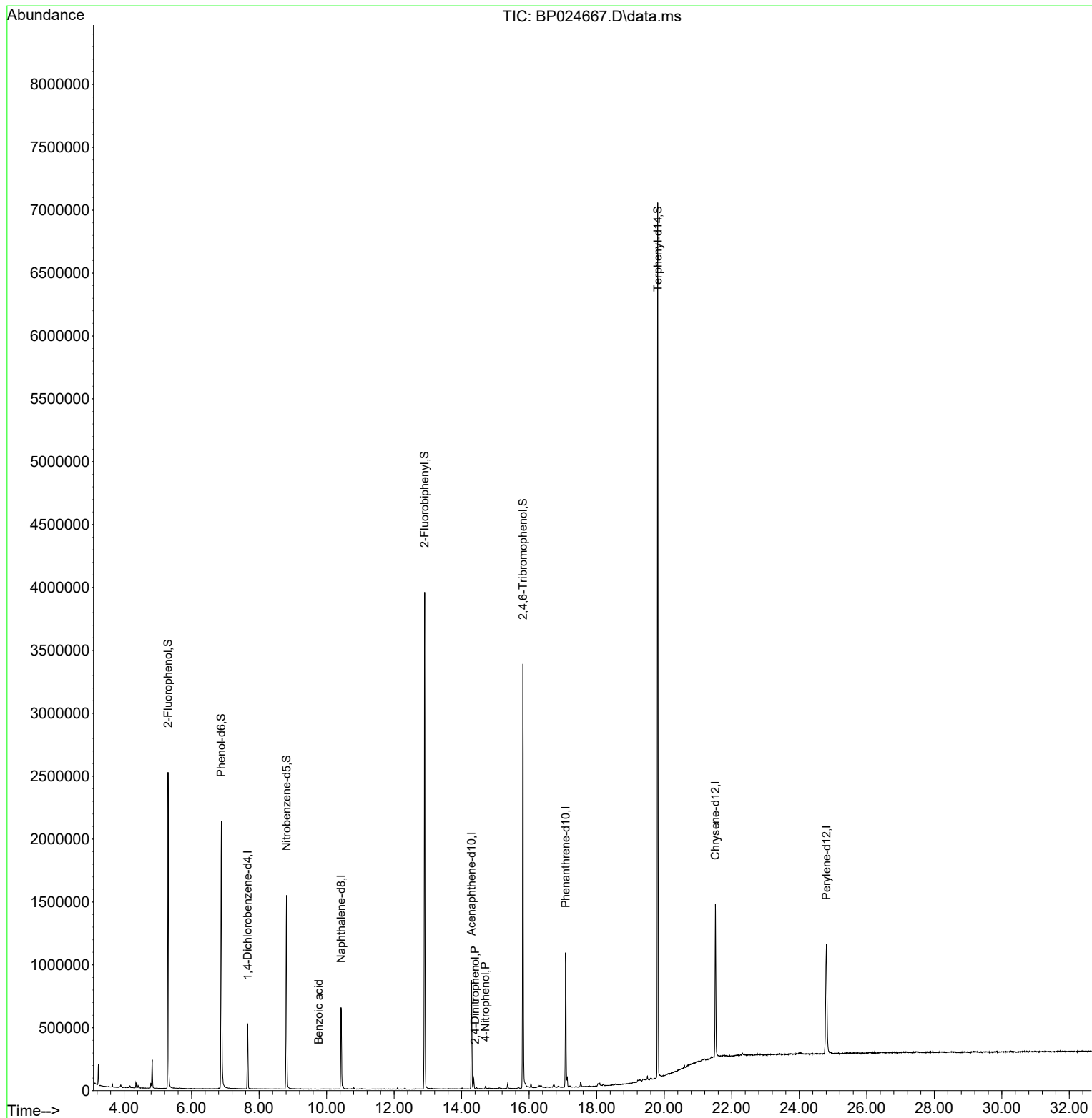
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	142139	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	534782	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	319418	20.000	ng	-0.01
64) Phenanthrene-d10	17.080	188	639241	20.000	ng	-0.02
76) Chrysene-d12	21.516	240	752411	20.000	ng	0.00
86) Perylene-d12	24.804	264	945084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	1121154	134.909	ng	0.02
7) Phenol-d6	6.881	99	1381375	130.240	ng	0.03
23) Nitrobenzene-d5	8.810	82	871662	82.355	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	758186	140.014	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2014929	82.644	ng	0.00
79) Terphenyl-d14	19.810	244	3603347	82.118	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.769	122	42	7.475	ng	# 53
54) 2,4-Dinitrophenol	14.398	184	36	6.411	ng	# 1
56) 4-Nitrophenol	14.704	139	5878	5.459	ng	# 9

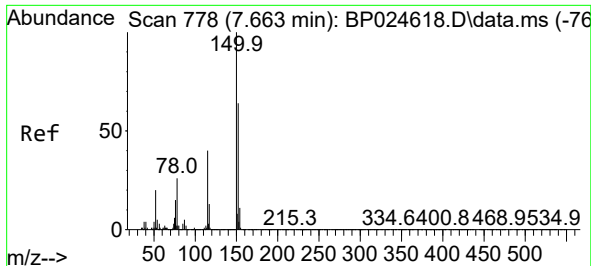
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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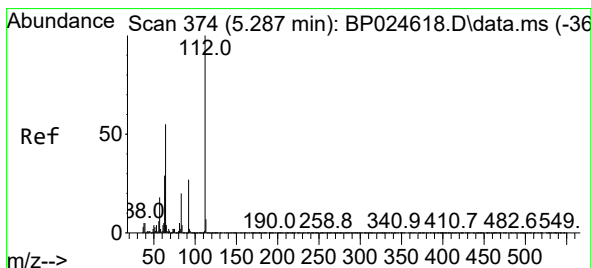
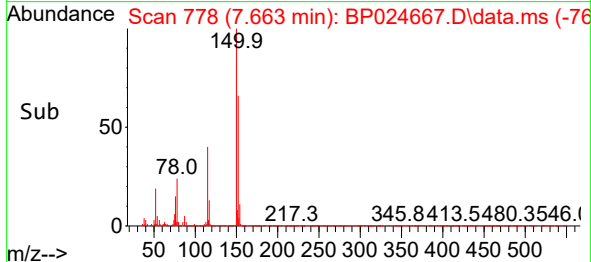
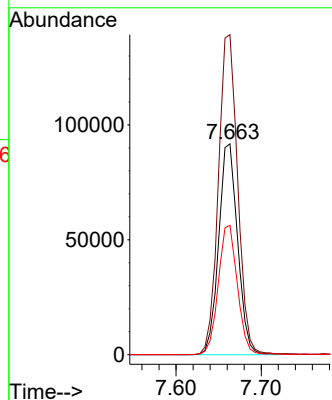
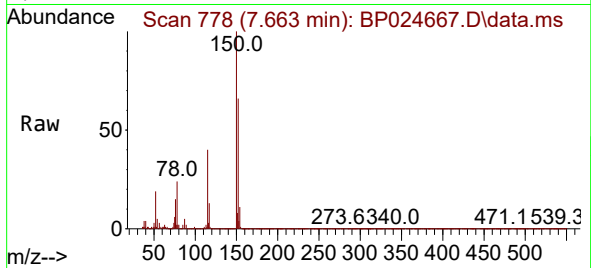




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

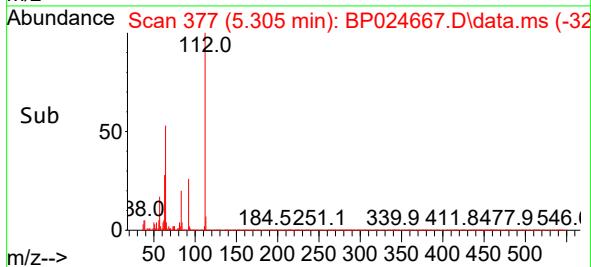
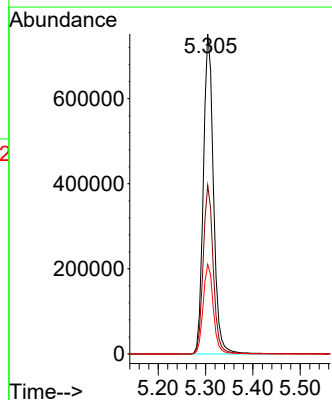
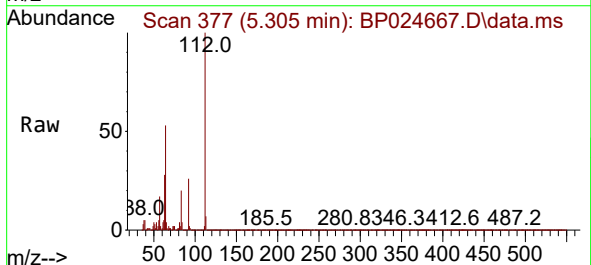
Instrument :
BNA_P
ClientSampleId :
72-11991

Tgt Ion:152 Resp: 142139
Ion Ratio Lower Upper
152 100
150 151.8 125.9 188.9
115 61.3 50.1 75.1



#5
2-Fluorophenol
Concen: 134.909 ng
RT: 5.305 min Scan# 377
Delta R.T. 0.018 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

Tgt Ion:112 Resp: 1121154
Ion Ratio Lower Upper
112 100
64 52.7 44.1 66.1
63 28.0 23.5 35.3

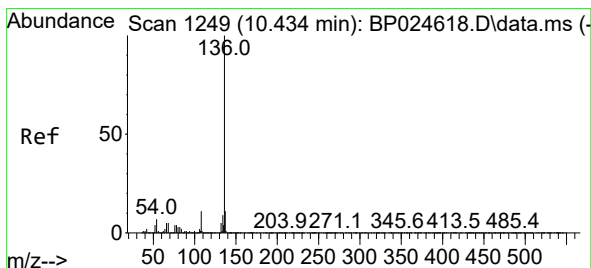
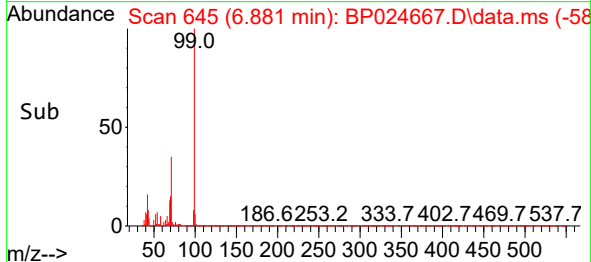
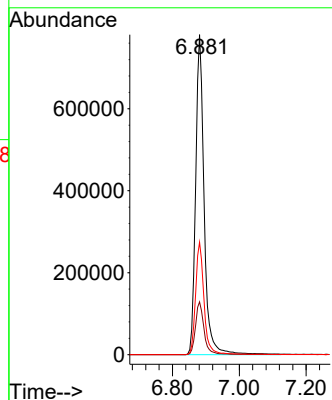
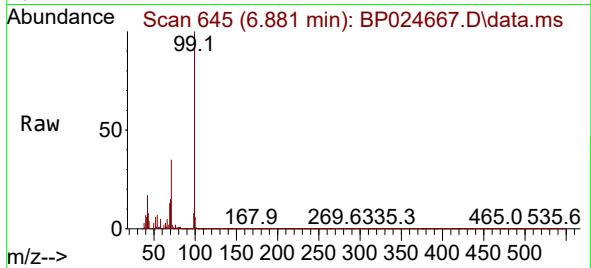




#7
Phenol-d6
Concen: 130.240 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.029 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

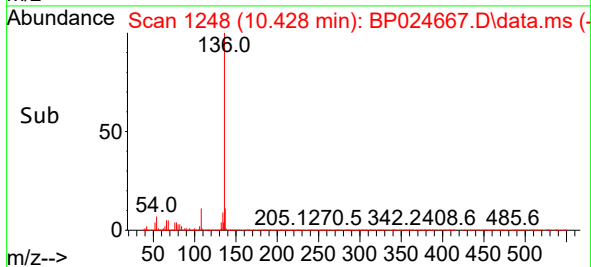
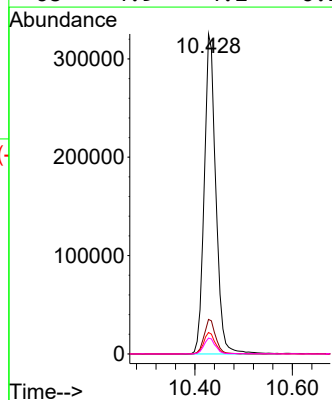
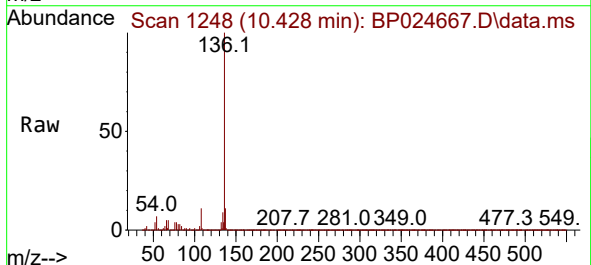
Instrument :
BNA_P
ClientSampleId :
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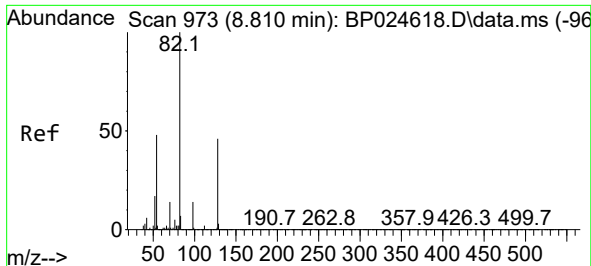
Tgt Ion: 99 Resp: 1381375
Ion Ratio Lower Upper
99 100
42 16.5 14.4 21.6
71 35.2 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

Tgt Ion:136 Resp: 534782
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.7 5.5 8.3
68 4.9 4.2 6.2

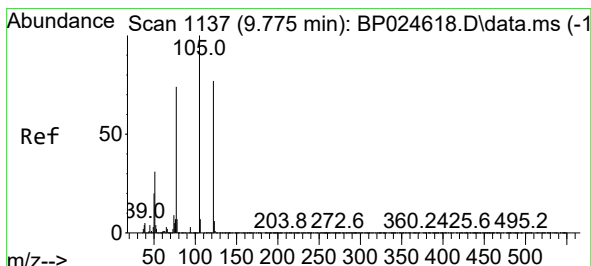
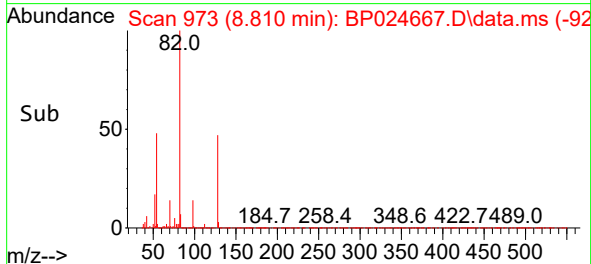
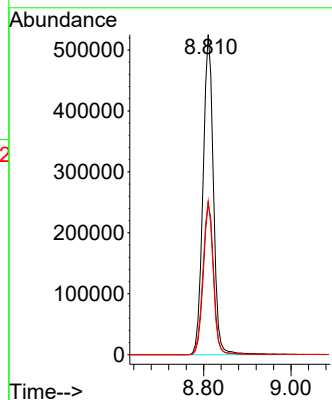
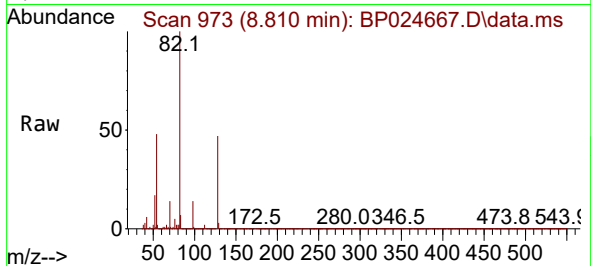




#23
Nitrobenzene-d5
Concen: 82.355 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

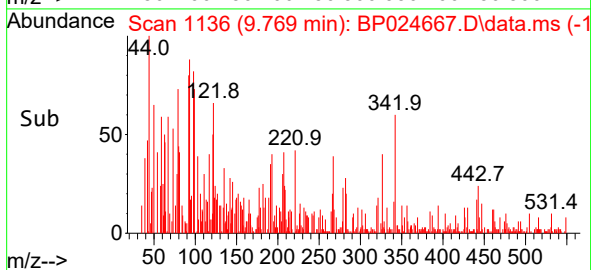
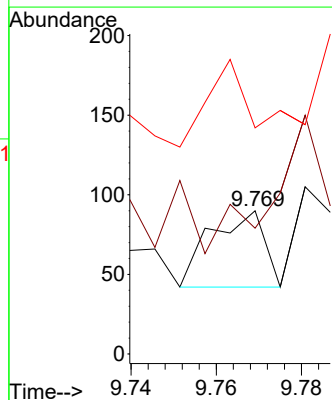
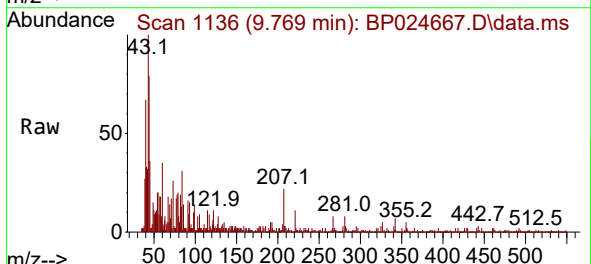
Instrument :
BNA_P
ClientSampleId :
72-11991

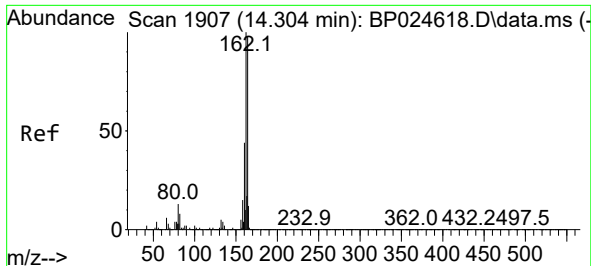
Tgt Ion: 82 Resp: 871662
Ion Ratio Lower Upper
82 100
128 47.2 37.0 55.4
54 48.1 38.7 58.1



#32
Benzoic acid
Concen: 7.475 ng
RT: 9.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

Tgt Ion:122 Resp: 42
Ion Ratio Lower Upper
122 100
105 87.8 106.9 146.9#
77 157.8 75.1 115.1#

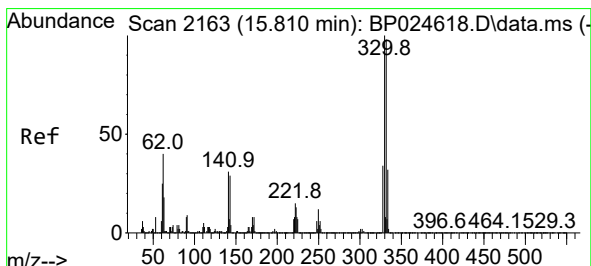
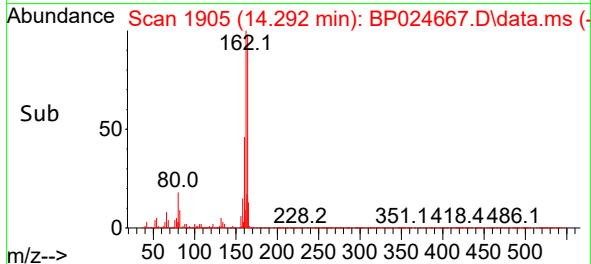
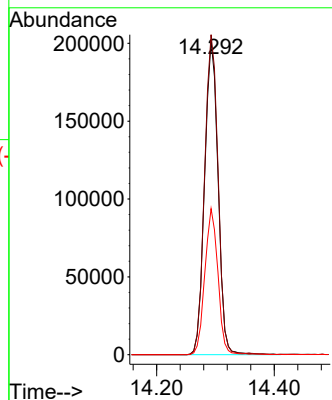
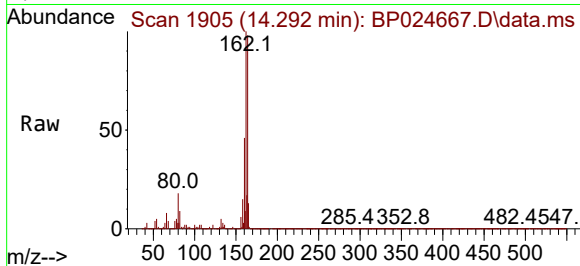




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

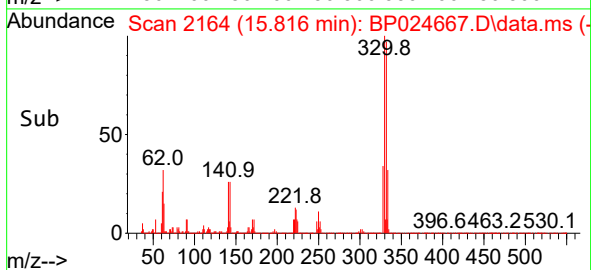
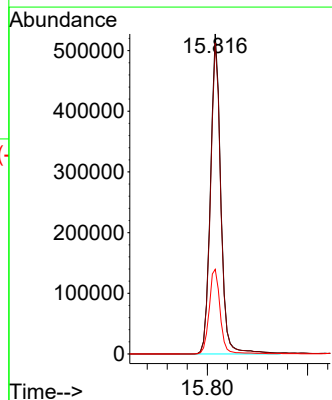
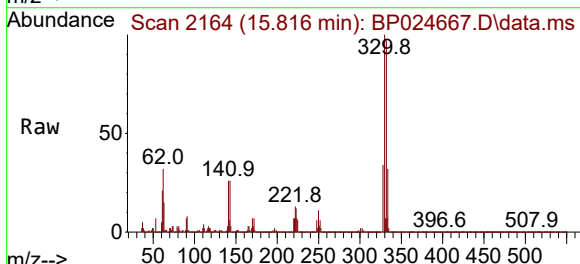
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BNA_P
ClientSampleId :
72-11991

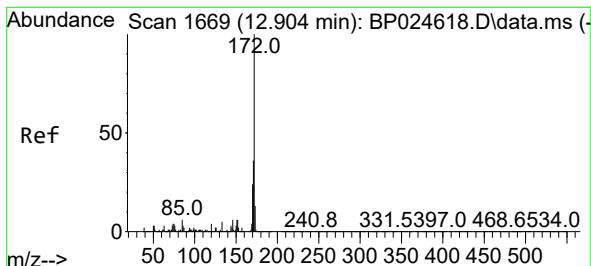
Tgt Ion:164 Resp: 319418
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.6
160 46.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 140.014 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

Tgt Ion:330 Resp: 758186
Ion Ratio Lower Upper
330 100
332 97.4 78.2 117.4
141 28.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 82.644 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024667.D

Acq: 16 May 2025 21:44

Instrument :

BNA_P

ClientSampleId :

72-11991

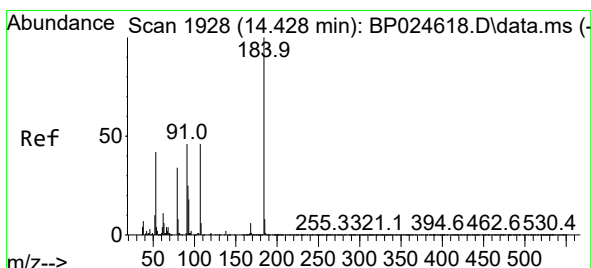
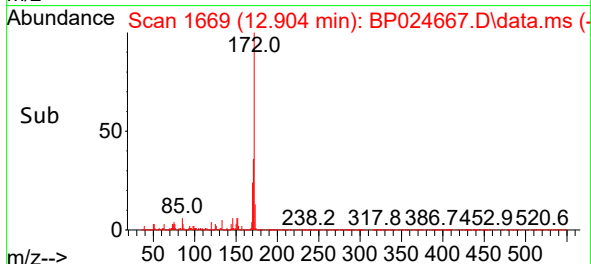
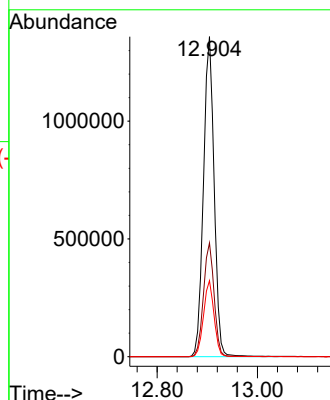
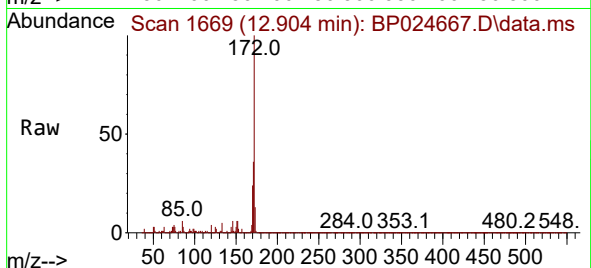
Tgt Ion:172 Resp: 2014929

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.7 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.411 ng

RT: 14.398 min Scan# 1923

Delta R.T. -0.030 min

Lab File: BP024667.D

Acq: 16 May 2025 21:44

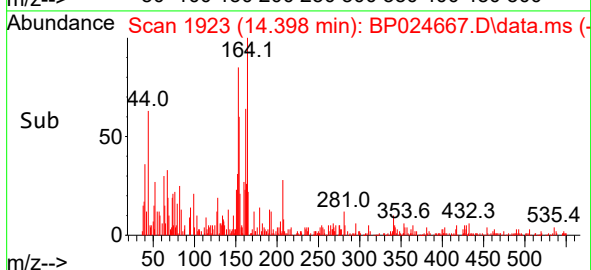
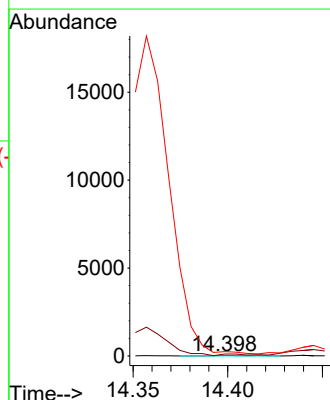
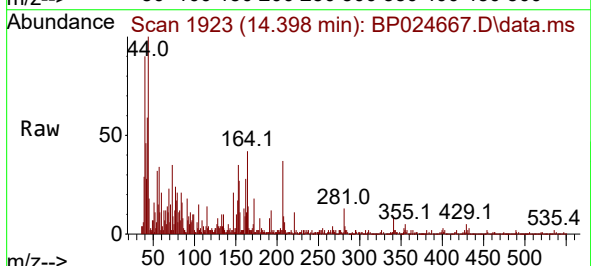
Tgt Ion:184 Resp: 36

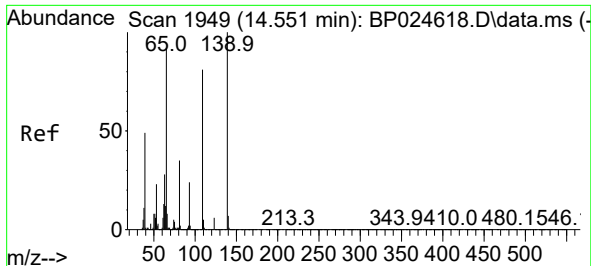
Ion Ratio Lower Upper

184 100

63 346.9 51.3 76.9#

154 762.5 53.5 80.3#

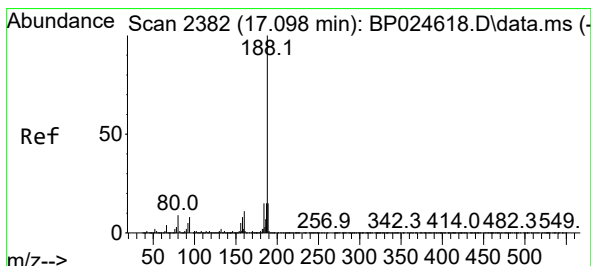
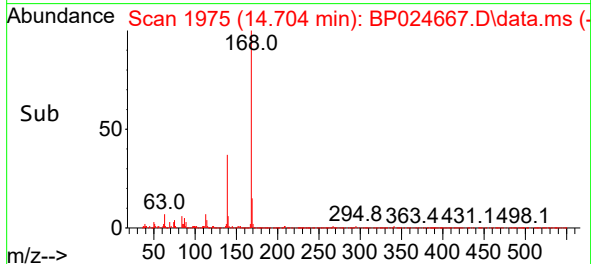
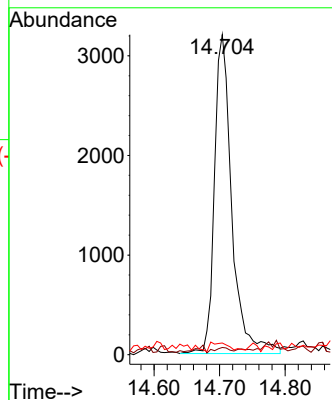
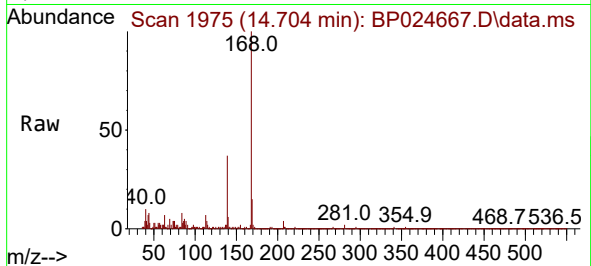




#56
4-Nitrophenol
Concen: 5.459 ng
RT: 14.704 min Scan# 1949
Delta R.T. 0.153 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

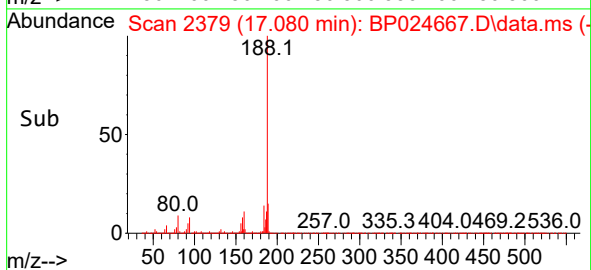
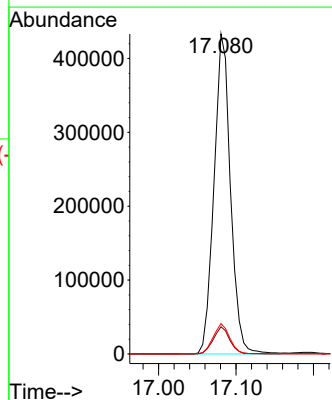
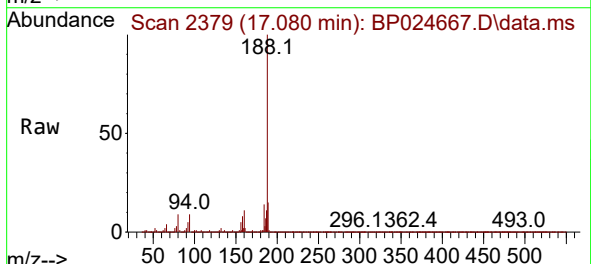
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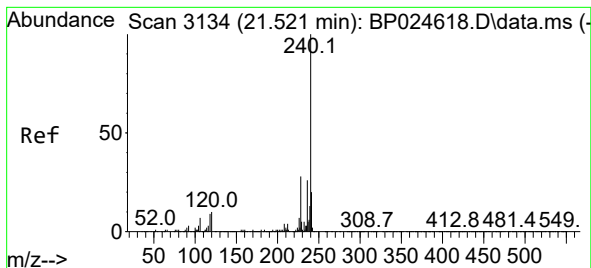
Tgt Ion:139 Resp: 5878
Ion Ratio Lower Upper
139 100
109 2.3 61.4 101.4#
65 3.6 72.2 112.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.080 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024667.D
Acq: 16 May 2025 21:44

Tgt Ion:188 Resp: 639241
Ion Ratio Lower Upper
188 100
94 8.5 6.5 9.7
80 9.5 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.516 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024667.D

Acq: 16 May 2025 21:44

Instrument :

BNA_P

ClientSampleId :

72-11991

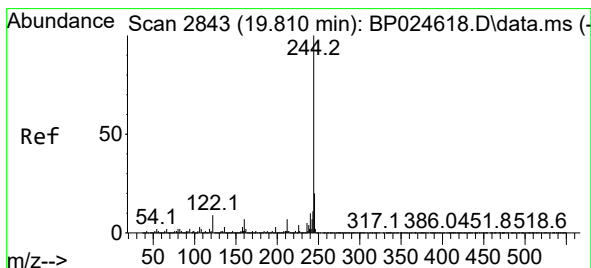
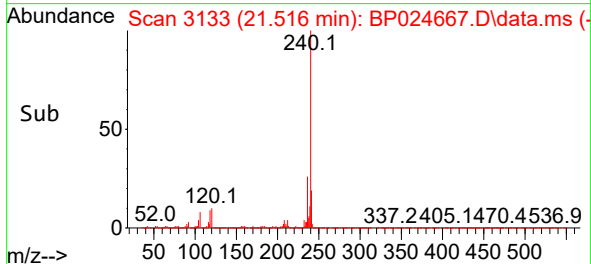
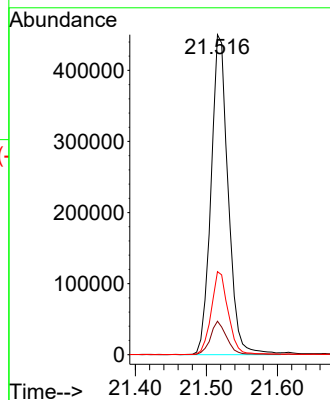
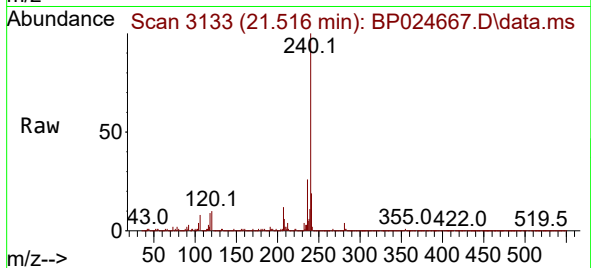
Tgt Ion:240 Resp: 752411

Ion Ratio Lower Upper

240 100

120 10.5 7.8 11.6

236 26.0 20.6 31.0



#79

Terphenyl-d14

Concen: 82.118 ng

RT: 19.810 min Scan# 2843

Delta R.T. -0.000 min

Lab File: BP024667.D

Acq: 16 May 2025 21:44

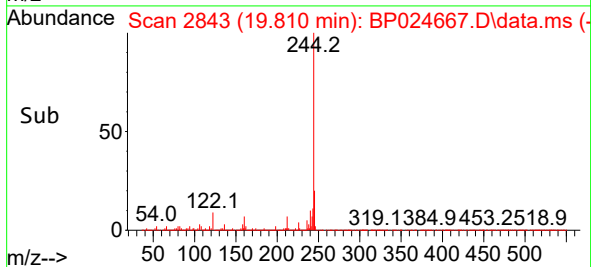
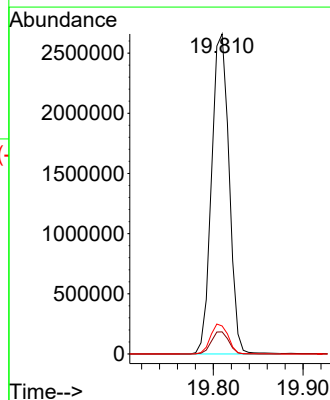
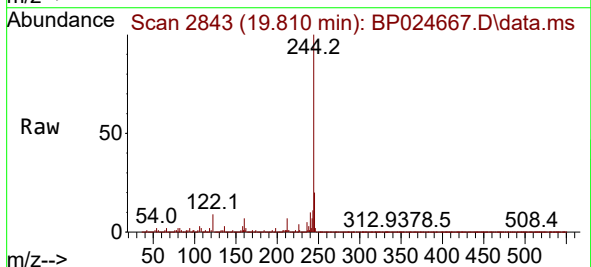
Tgt Ion:244 Resp: 3603347

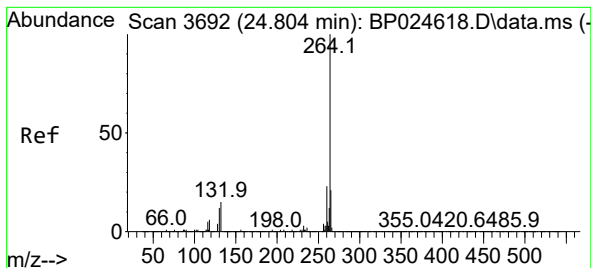
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 8.8 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.804 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP024667.D

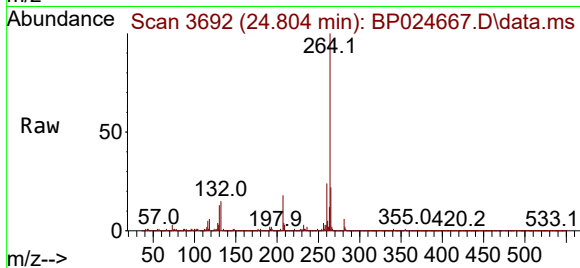
Acq: 16 May 2025 21:44

Instrument :

BNA_P

ClientSampleId :

72-11991



Tgt Ion:264 Resp: 945084

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 22.2 17.0 25.6

