

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
 Data File : BP026045.D
 Acq On : 30 Oct 2025 16:23
 Operator : RC/JU
 Sample : Q3447-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P001-TW2-251023-01

Quant Time: Oct 30 16:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

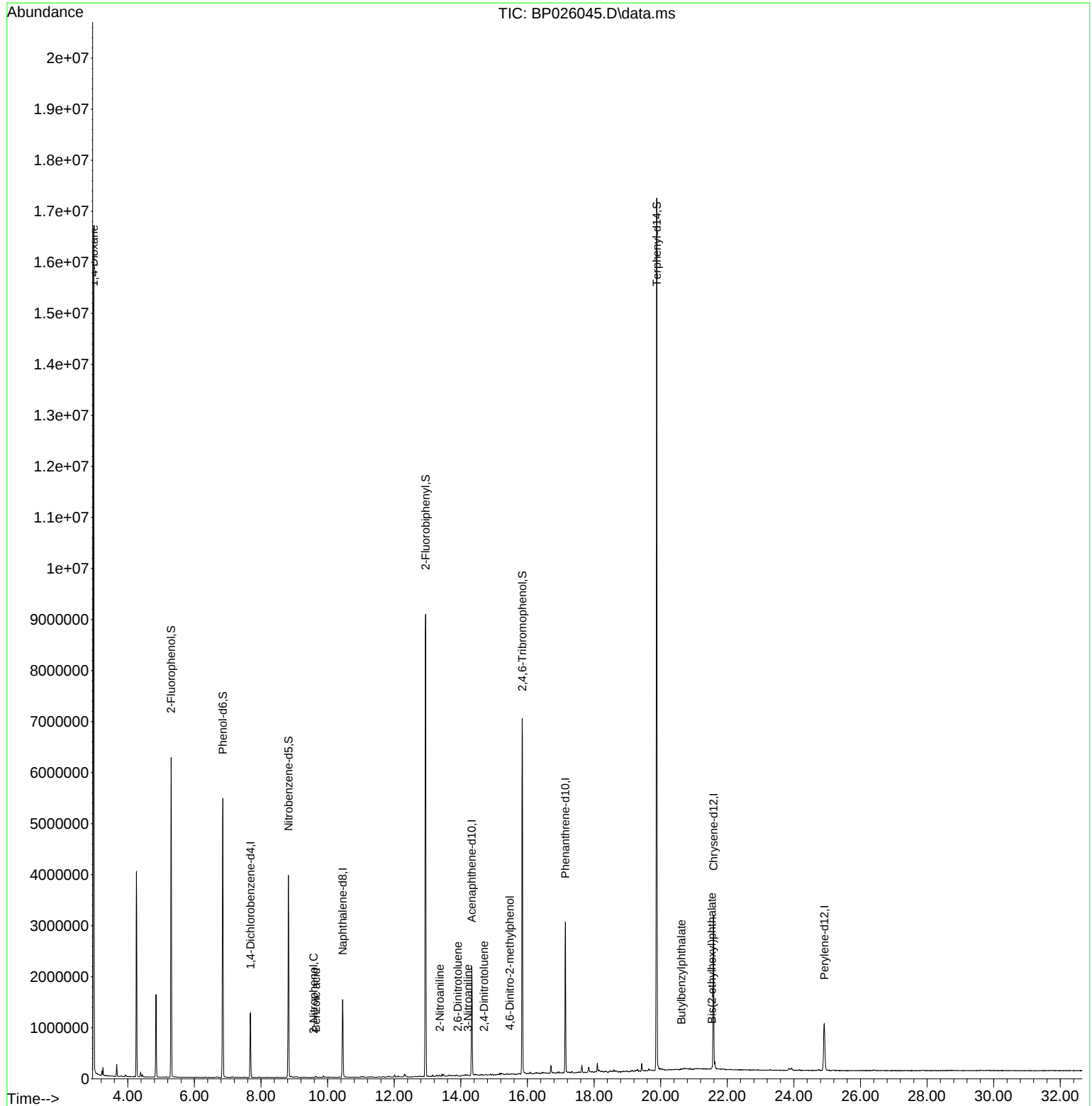
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	363836	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1417735	20.000	ng	0.00
39) Acenaphthene-d10	14.331	164	855859	20.000	ng	0.01
64) Phenanthrene-d10	17.136	188	1766660	20.000	ng	0.01
76) Chrysene-d12	21.589	240	1797152	20.000	ng	0.02
86) Perylene-d12	24.912	264	877217	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2715620	123.161	ng	0.00
7) Phenol-d6	6.854	99	3104808	110.631	ng	0.00
23) Nitrobenzene-d5	8.825	82	2058853	90.531	ng	0.00
42) 2,4,6-Tribromophenol	15.848	330	1370195	148.086	ng	0.02
45) 2-Fluorobiphenyl	12.942	172	5046038	84.719	ng	0.01
79) Terphenyl-d14	19.883	244	8565276	96.831	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.978	88	144080	15.500	ng	# 1
26) 2-Nitrophenol	9.578	139	24	2.680	ng	# 1
32) Benzoic acid	9.654	122	7177	3.866	ng	89
48) 2-Nitroaniline	13.366	65	332	2.933	ng	# 34
51) 2,6-Dinitrotoluene	13.907	165	118	3.000	ng	# 1
53) 3-Nitroaniline	14.213	138	443	2.667	ng	# 71
57) 2,4-Dinitrotoluene	14.695	165	120	3.093	ng	# 27
65) 4,6-Dinitro-2-methylph...	15.466	198	492	2.059	ng	# 1
80) Butylbenzylphthalate	20.624	149	4186	3.483	ng	# 54
84) Bis(2-ethylhexyl)phtha...	21.536	149	15458	2.799	ng	# 96

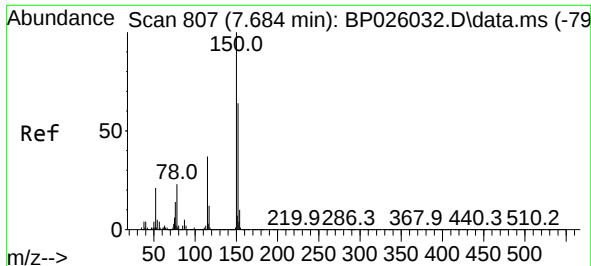
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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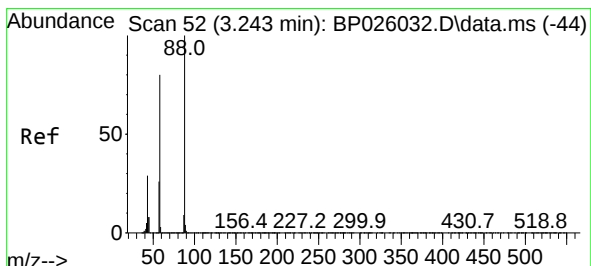
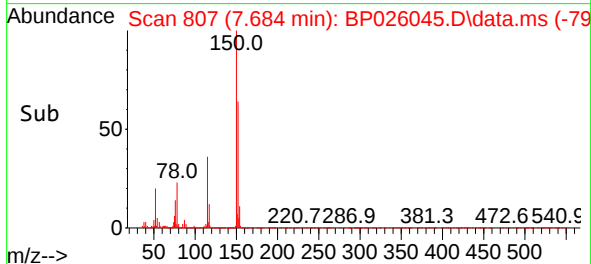
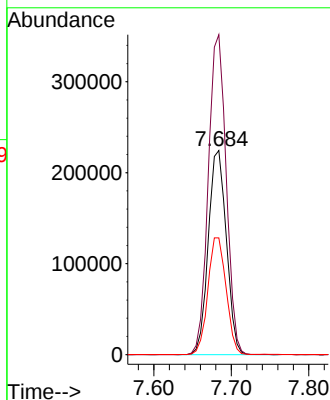
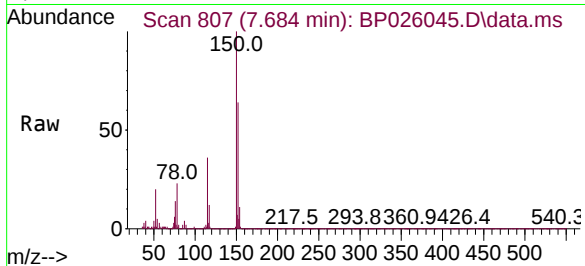




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.684 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP026045.D
 Acq: 30 Oct 2025 16:23

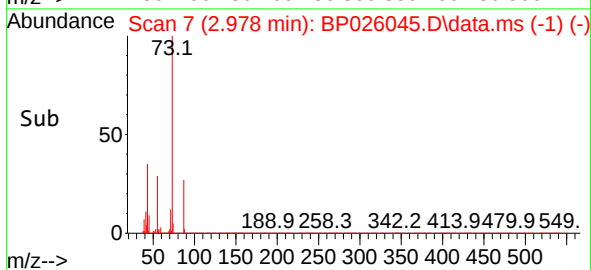
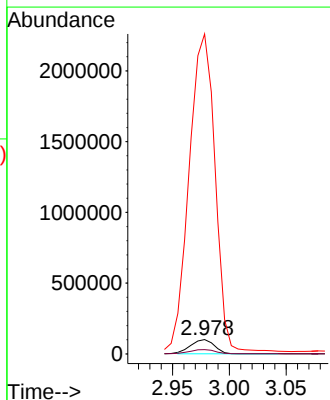
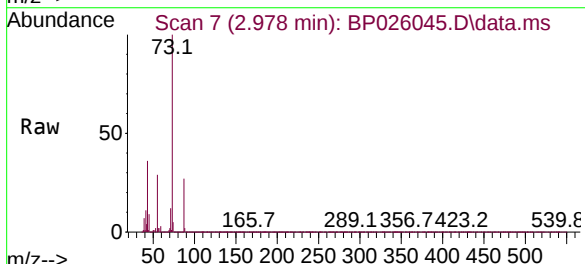
Instrument :
 BNA_P
 ClientSampleId :
 P001-TW2-251023-01

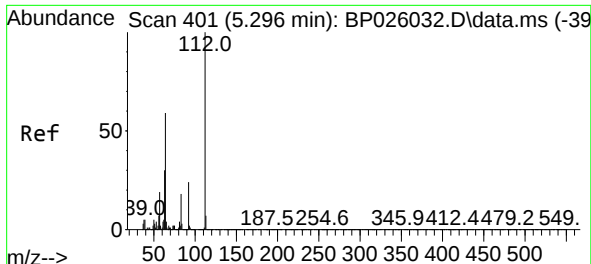
Tgt Ion:152 Resp: 363836
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.7 188.5
 115 57.2 46.4 69.6



#2
 1,4-Dioxane
 Concen: 15.500 ng
 RT: 2.978 min Scan# 7
 Delta R.T. -0.259 min
 Lab File: BP026045.D
 Acq: 30 Oct 2025 16:23

Tgt Ion: 88 Resp: 144080
 Ion Ratio Lower Upper
 88 100
 58 29.6 65.4 98.0#
 43 2380.2 23.1 34.7#

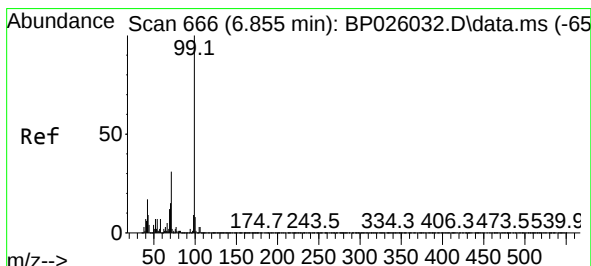
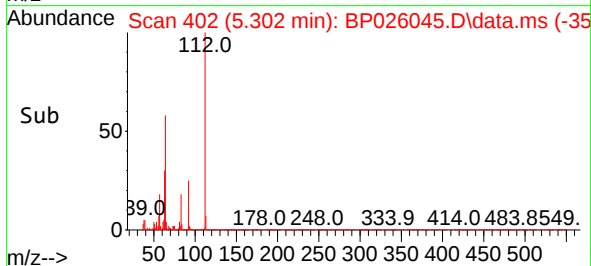
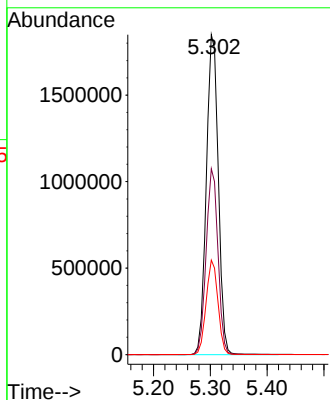
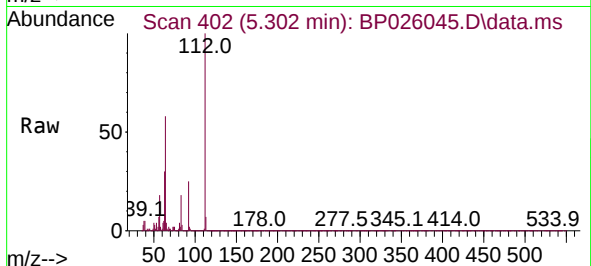




#5
2-Fluorophenol
Concen: 123.161 ng
RT: 5.302 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

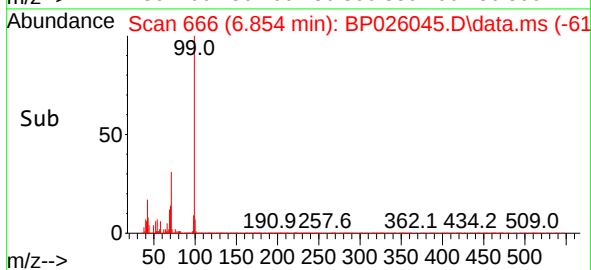
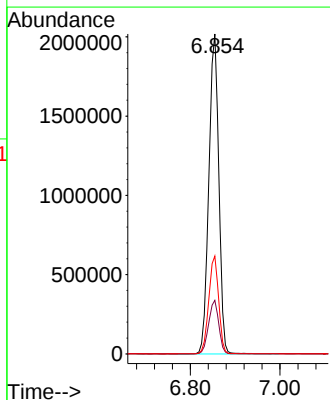
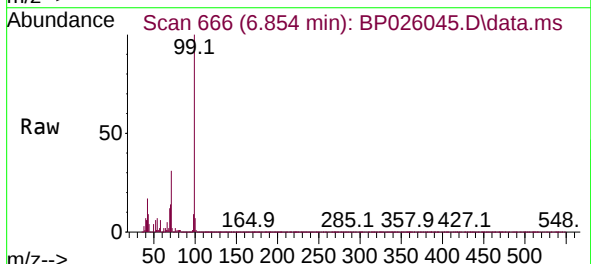
Instrument :
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ClientSampleId :
P001-TW2-251023-01

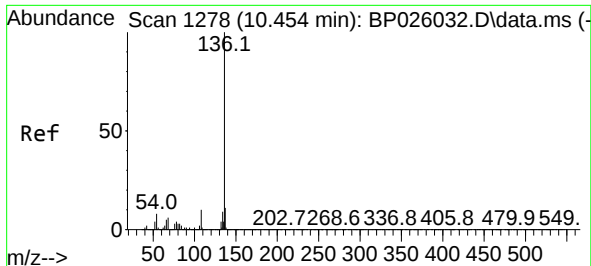
Tgt Ion:112 Resp: 2715620
Ion Ratio Lower Upper
112 100
64 58.1 47.4 71.2
63 29.5 24.2 36.4



#7
Phenol-d6
Concen: 110.631 ng
RT: 6.854 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion: 99 Resp: 3104808
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 30.6 24.4 36.6



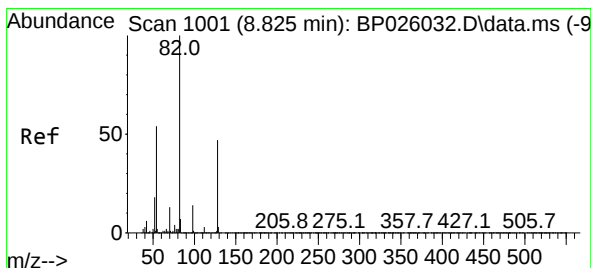
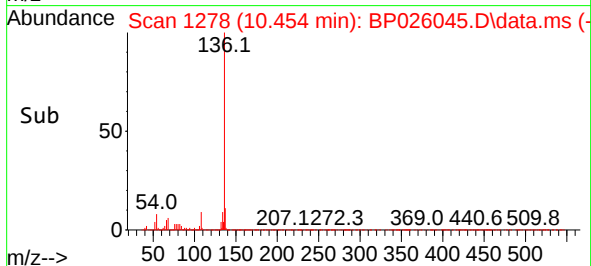
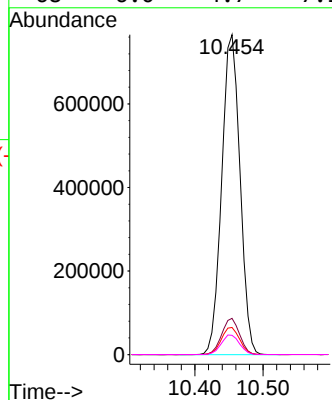
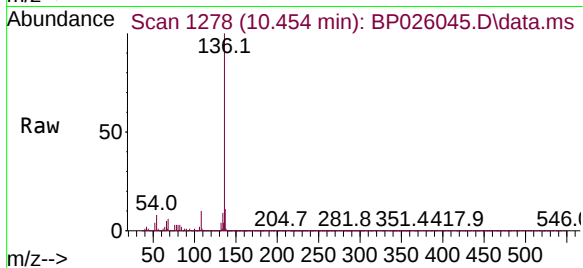


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Instrument :
BNA_P
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:136 Resp: 1417735

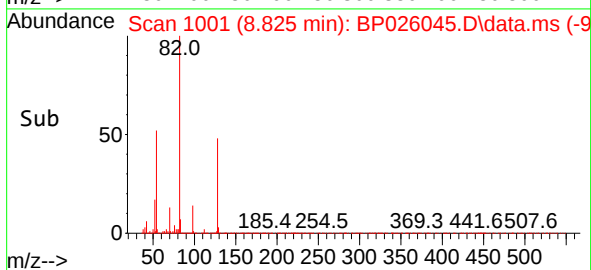
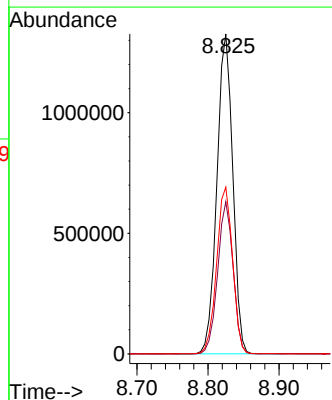
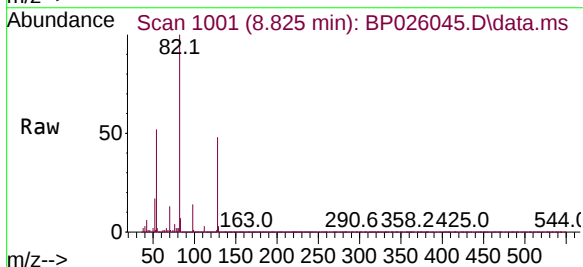
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.5	6.6	10.0
68	6.0	4.7	7.1

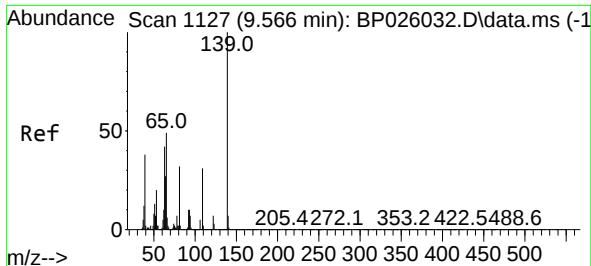


#23
Nitrobenzene-d5
Concen: 90.531 ng
RT: 8.825 min Scan# 1001
Delta R.T. 0.000 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion: 82 Resp: 2058853

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.0
54	52.1	42.7	64.1

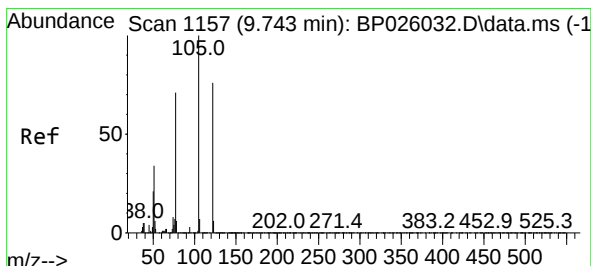
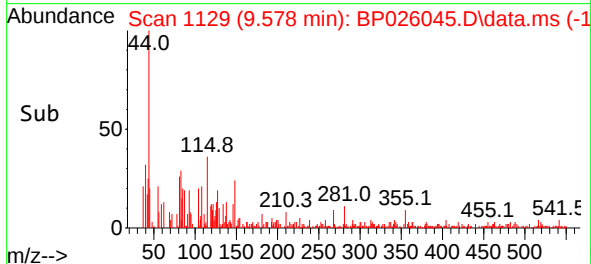
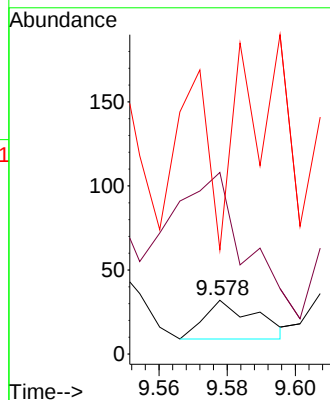
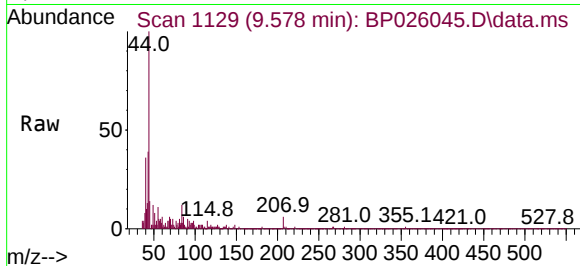




#26
2-Nitrophenol
Concen: 2.680 ng
RT: 9.578 min Scan# 1127
Delta R.T. 0.012 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

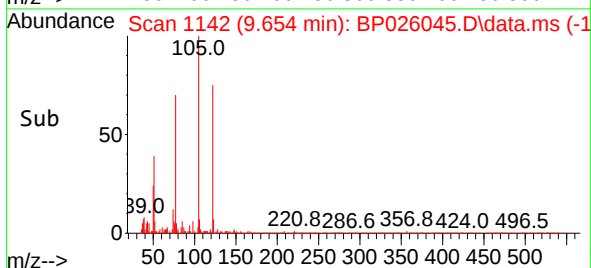
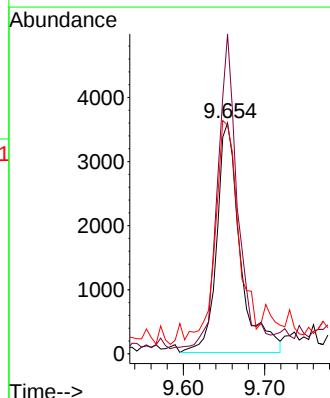
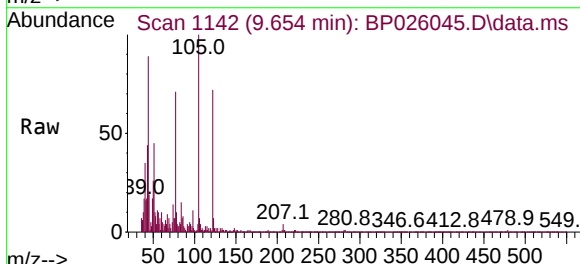
Instrument :
BNA_P
ClientSampleId :
P001-TW2-251023-01

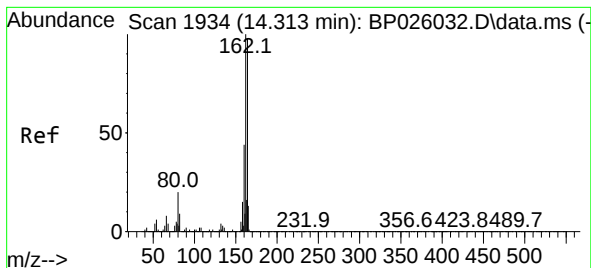
Tgt Ion:139 Resp: 24
Ion Ratio Lower Upper
139 100
109 337.5 24.8 37.2#
65 193.8 39.0 58.4#



#32
Benzoic acid
Concen: 3.866 ng
RT: 9.654 min Scan# 1142
Delta R.T. -0.124 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:122 Resp: 7177
Ion Ratio Lower Upper
122 100
105 138.6 104.8 144.8
77 99.1 70.9 110.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.331 min Scan# 1934

Delta R.T. 0.012 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

Instrument :

BNA_P

ClientSampleId :

P001-TW2-251023-01

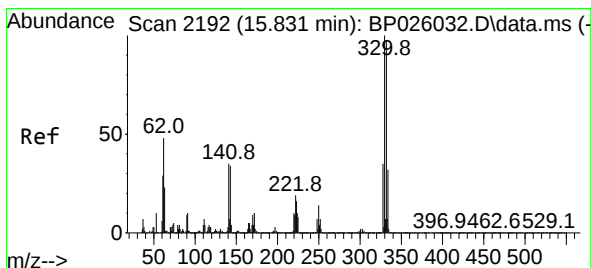
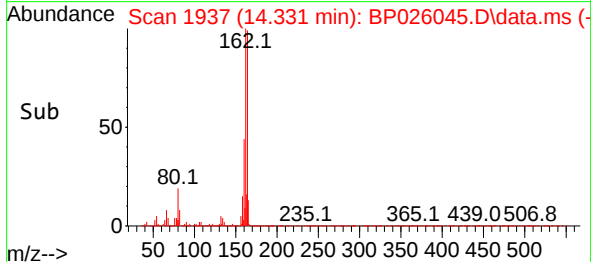
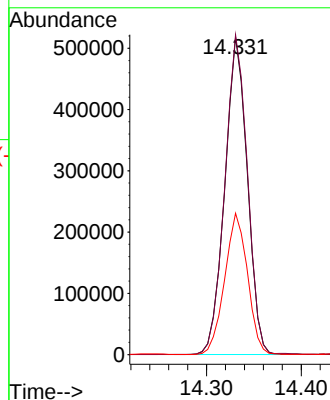
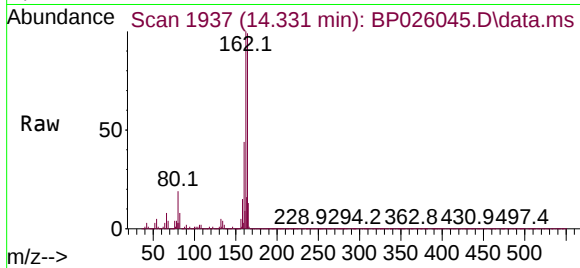
Tgt Ion:164 Resp: 855859

Ion Ratio Lower Upper

164 100

162 100.8 81.5 122.3

160 44.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 148.086 ng

RT: 15.848 min Scan# 2195

Delta R.T. 0.018 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

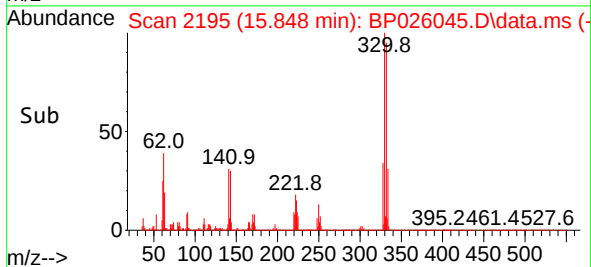
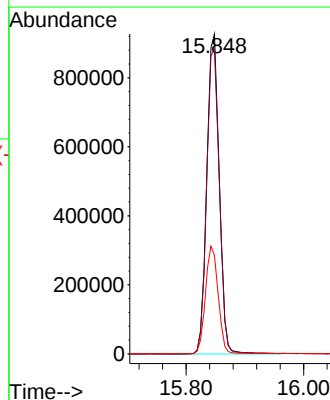
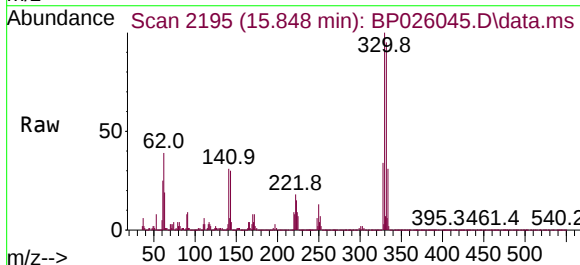
Tgt Ion:330 Resp: 1370195

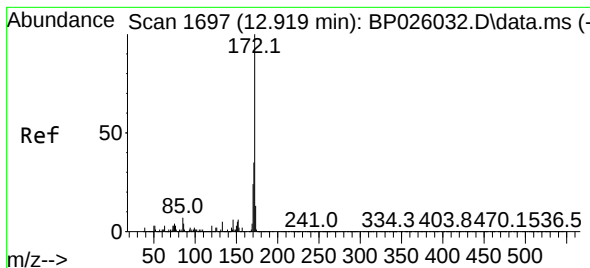
Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 34.0 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 84.719 ng

RT: 12.942 min Scan# 1

Delta R.T. 0.011 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

Instrument :

BNA_P

ClientSampleId :

P001-TW2-251023-01

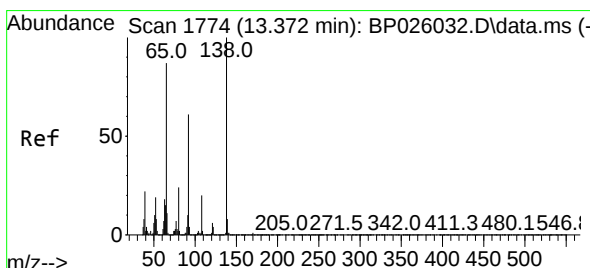
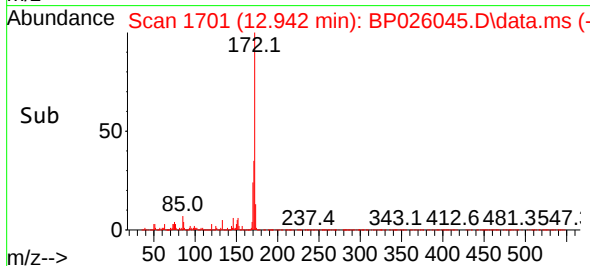
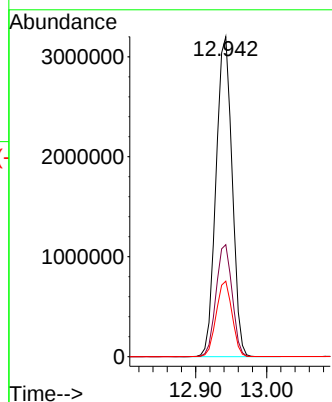
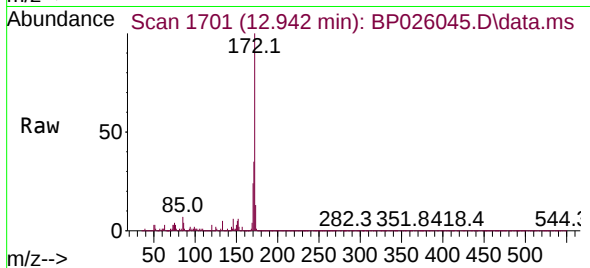
Tgt Ion:172 Resp: 5046038

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.6 19.0 28.4



#48

2-Nitroaniline

Concen: 2.933 ng

RT: 13.366 min Scan# 1773

Delta R.T. -0.012 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

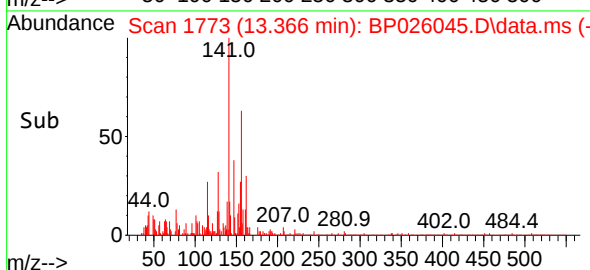
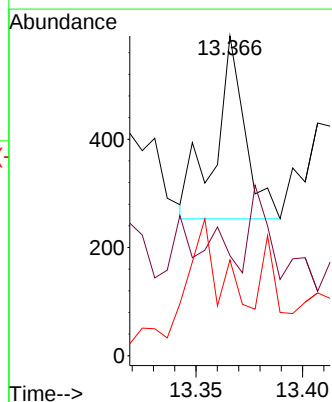
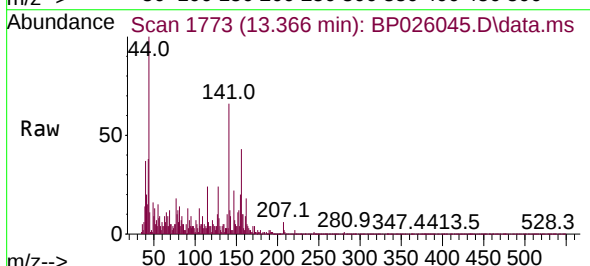
Tgt Ion: 65 Resp: 332

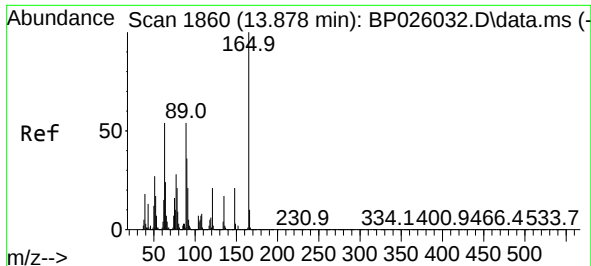
Ion Ratio Lower Upper

65 100

92 31.3 55.5 83.3#

138 29.9 91.7 137.5#

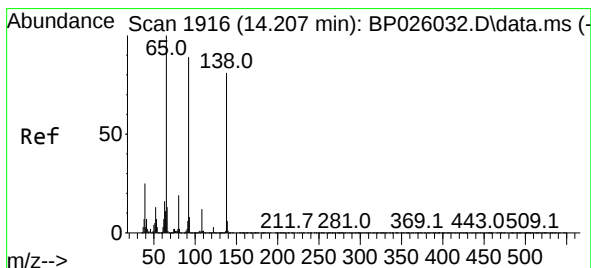
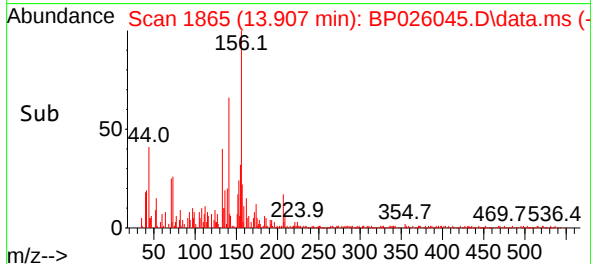
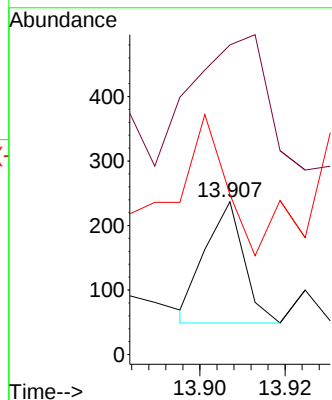
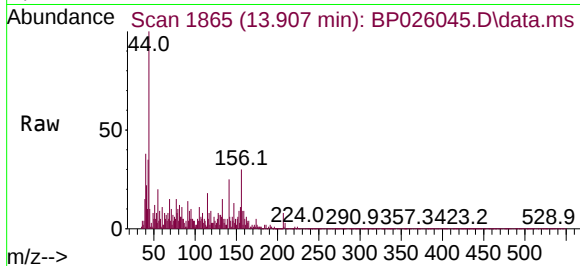




#51
2,6-Dinitrotoluene
Concen: 3.000 ng
RT: 13.907 min Scan# 1865
Delta R.T. 0.029 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

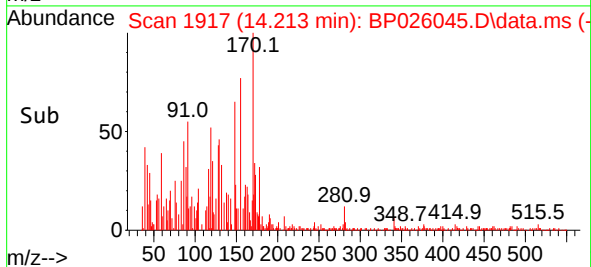
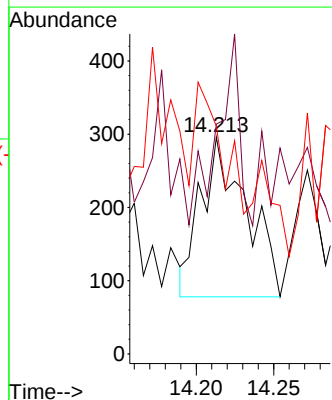
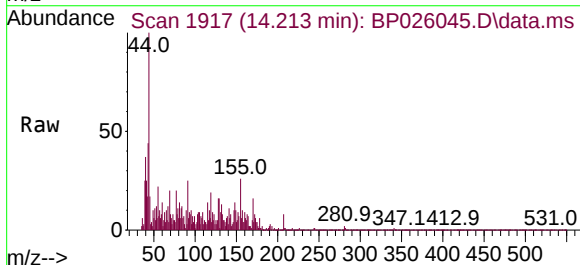
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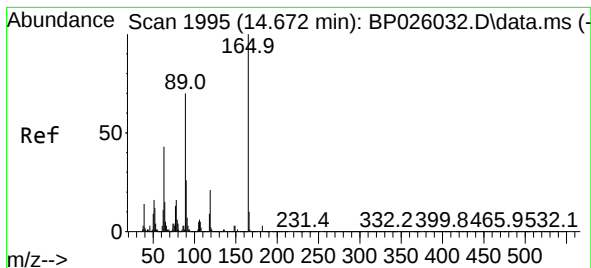
Tgt Ion:165 Resp: 118
Ion Ratio Lower Upper
165 100
63 202.5 43.0 64.4#
89 104.6 43.0 64.4#



#53
3-Nitroaniline
Concen: 2.667 ng
RT: 14.213 min Scan# 1917
Delta R.T. 0.006 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:138 Resp: 443
Ion Ratio Lower Upper
138 100
108 106.1 11.4 17.0#
92 105.1 87.1 130.7





#57

2,4-Dinitrotoluene

Concen: 3.093 ng

RT: 14.695 min Scan# 1999

Delta R.T. 0.017 min

Lab File: BP026045.D

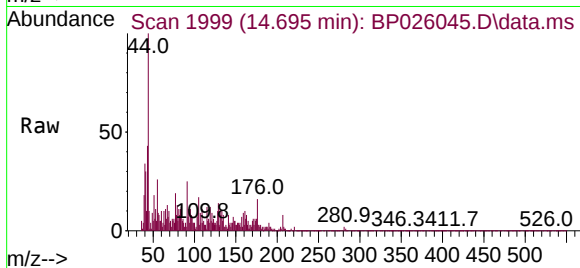
Acq: 30 Oct 2025 16:23

Instrument :

BNA_P

ClientSampleId :

P001-TW2-251023-01



Tgt Ion:165 Resp: 120

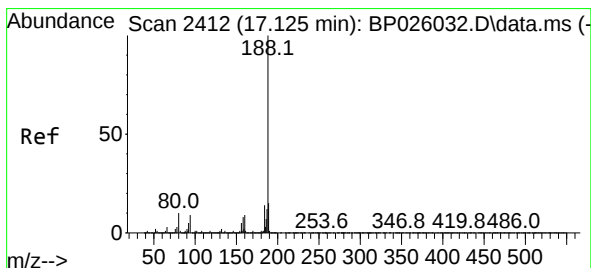
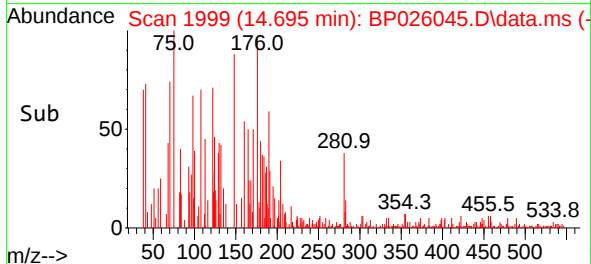
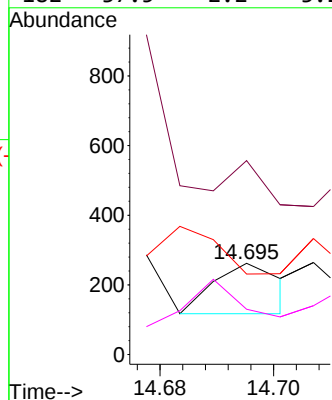
Ion Ratio Lower Upper

165 100

63 160.5 34.2 51.2#

89 66.6 56.0 84.0

182 37.5 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.136 min Scan# 2414

Delta R.T. 0.012 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

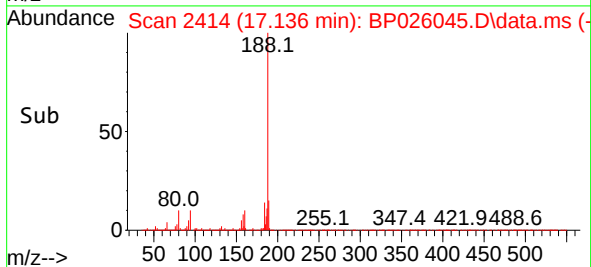
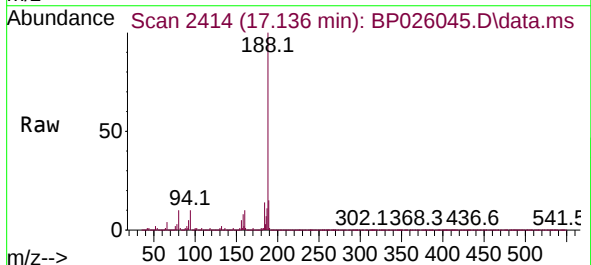
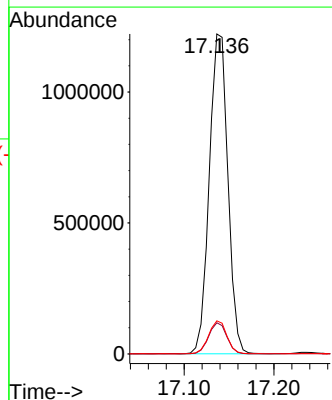
Tgt Ion:188 Resp: 1766660

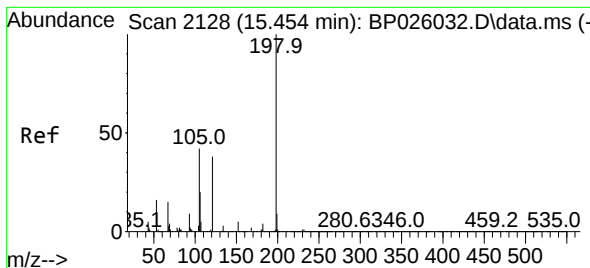
Ion Ratio Lower Upper

188 100

94 9.7 7.1 10.7

80 10.3 7.9 11.9

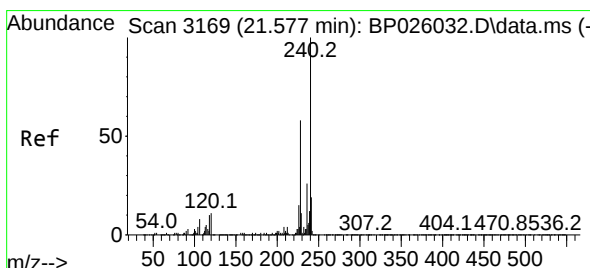
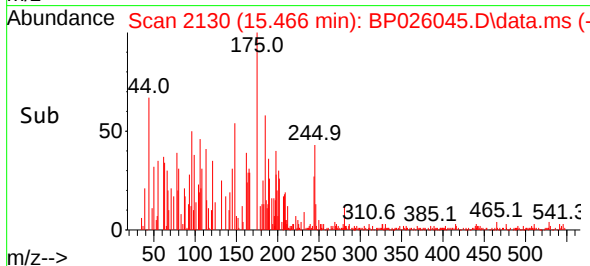
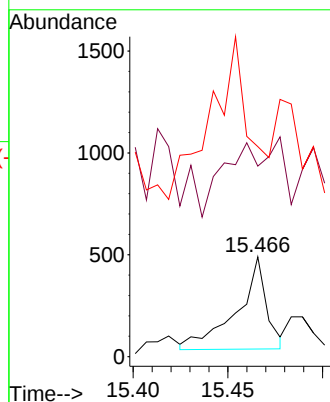
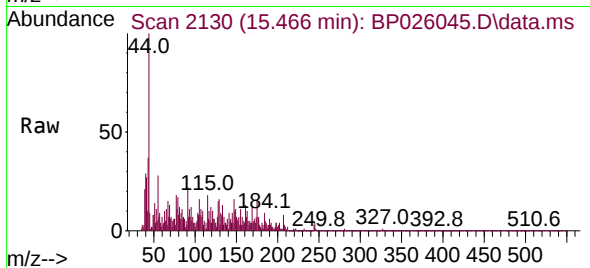




#65
4,6-Dinitro-2-methylphenol
Concen: 2.059 ng
RT: 15.466 min Scan# 2128
Delta R.T. 0.012 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

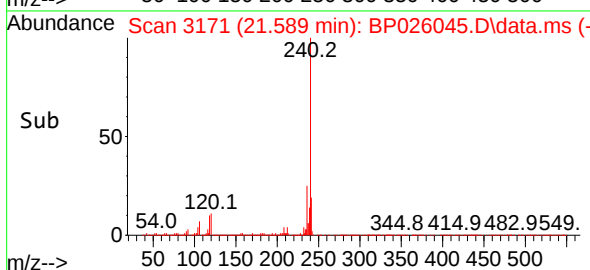
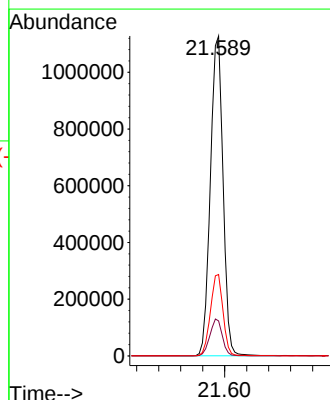
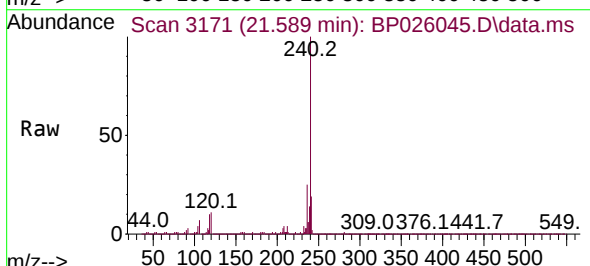
Instrument :
BNA_P
ClientSampleId :
P001-TW2-251023-01

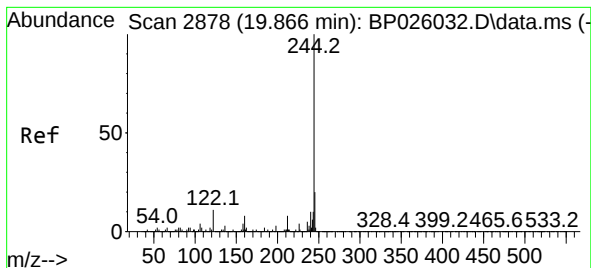
Tgt Ion:198 Resp: 492
Ion Ratio Lower Upper
198 100
51 190.8 25.2 65.2#
105 210.4 23.7 63.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. 0.024 min
Lab File: BP026045.D
Acq: 30 Oct 2025 16:23

Tgt Ion:240 Resp: 1797152
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 25.4 20.6 31.0





#79

Terphenyl-d14

Concen: 96.831 ng

RT: 19.883 min Scan# 2881

Delta R.T. 0.018 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

Instrument :

BNA_P

ClientSampleId :

P001-TW2-251023-01

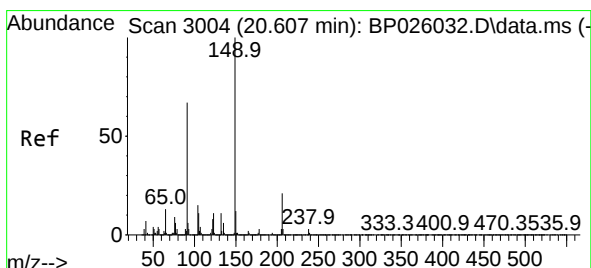
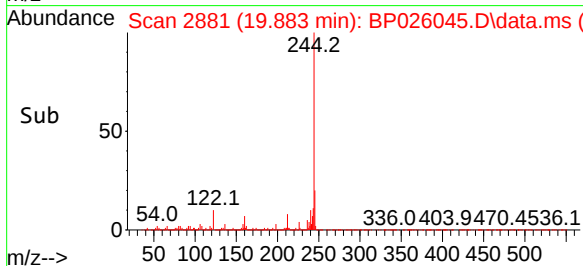
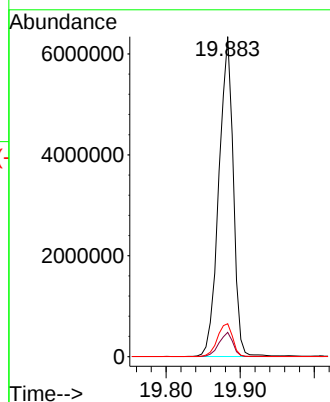
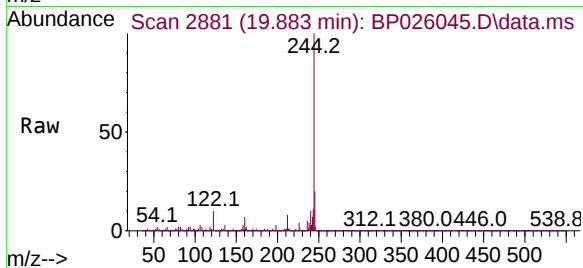
Tgt Ion:244 Resp: 8565276

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 10.3 9.0 13.6



#80

Butylbenzylphthalate

Concen: 3.483 ng

RT: 20.624 min Scan# 3007

Delta R.T. 0.017 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

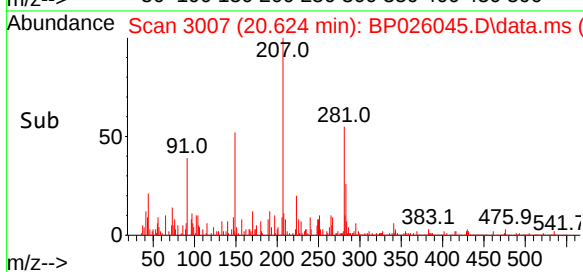
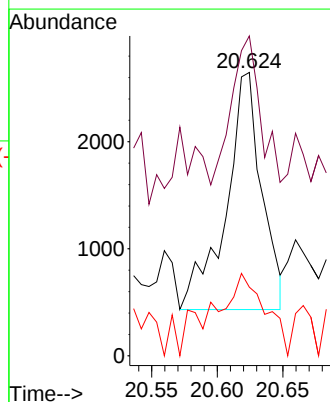
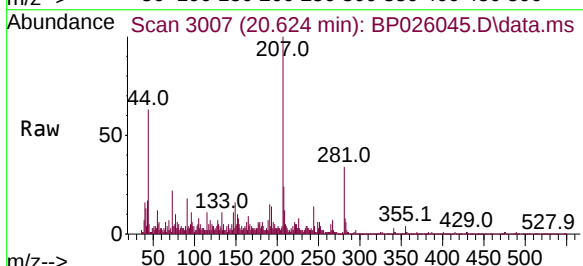
Tgt Ion:149 Resp: 4186

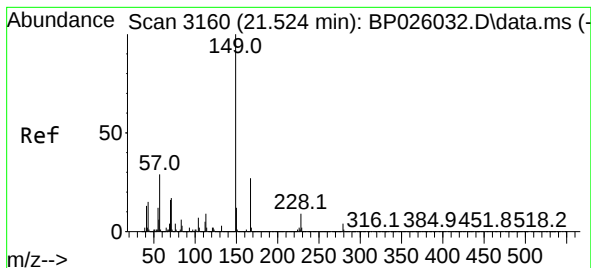
Ion Ratio Lower Upper

149 100

91 112.9 53.5 80.3#

206 24.2 16.6 25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.799 ng

RT: 21.536 min Scan# 3160

Delta R.T. 0.018 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

Instrument :

BNA_P

ClientSampleId :

P001-TW2-251023-01

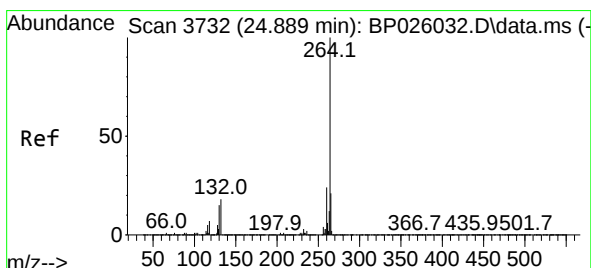
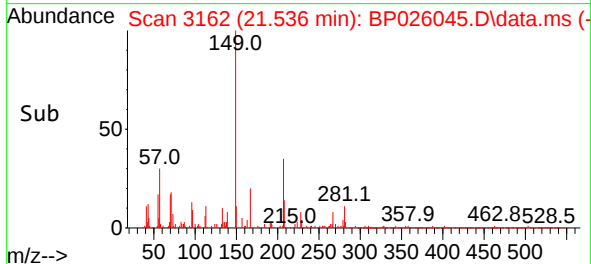
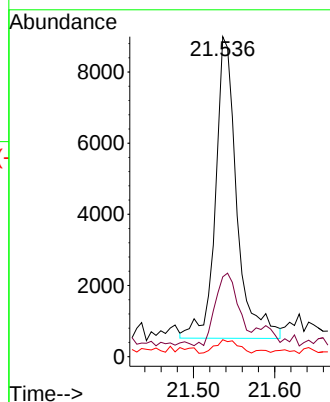
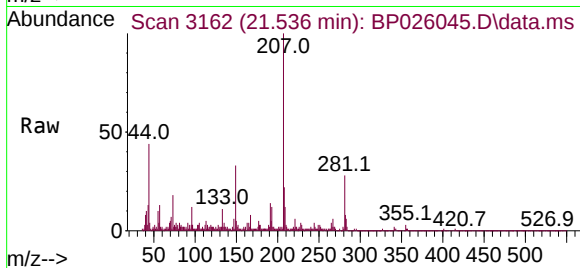
Tgt Ion:149 Resp: 15458

Ion Ratio Lower Upper

149 100

167 24.9 21.5 32.3

279 5.3 3.0 4.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.912 min Scan# 3736

Delta R.T. 0.029 min

Lab File: BP026045.D

Acq: 30 Oct 2025 16:23

Tgt Ion:264 Resp: 877217

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.2 17.2 25.8

