

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
 Data File : BP025851.D
 Acq On : 24 Sep 2025 18:50
 Operator : CG/JU
 Sample : Q3167-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 24 19:11:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

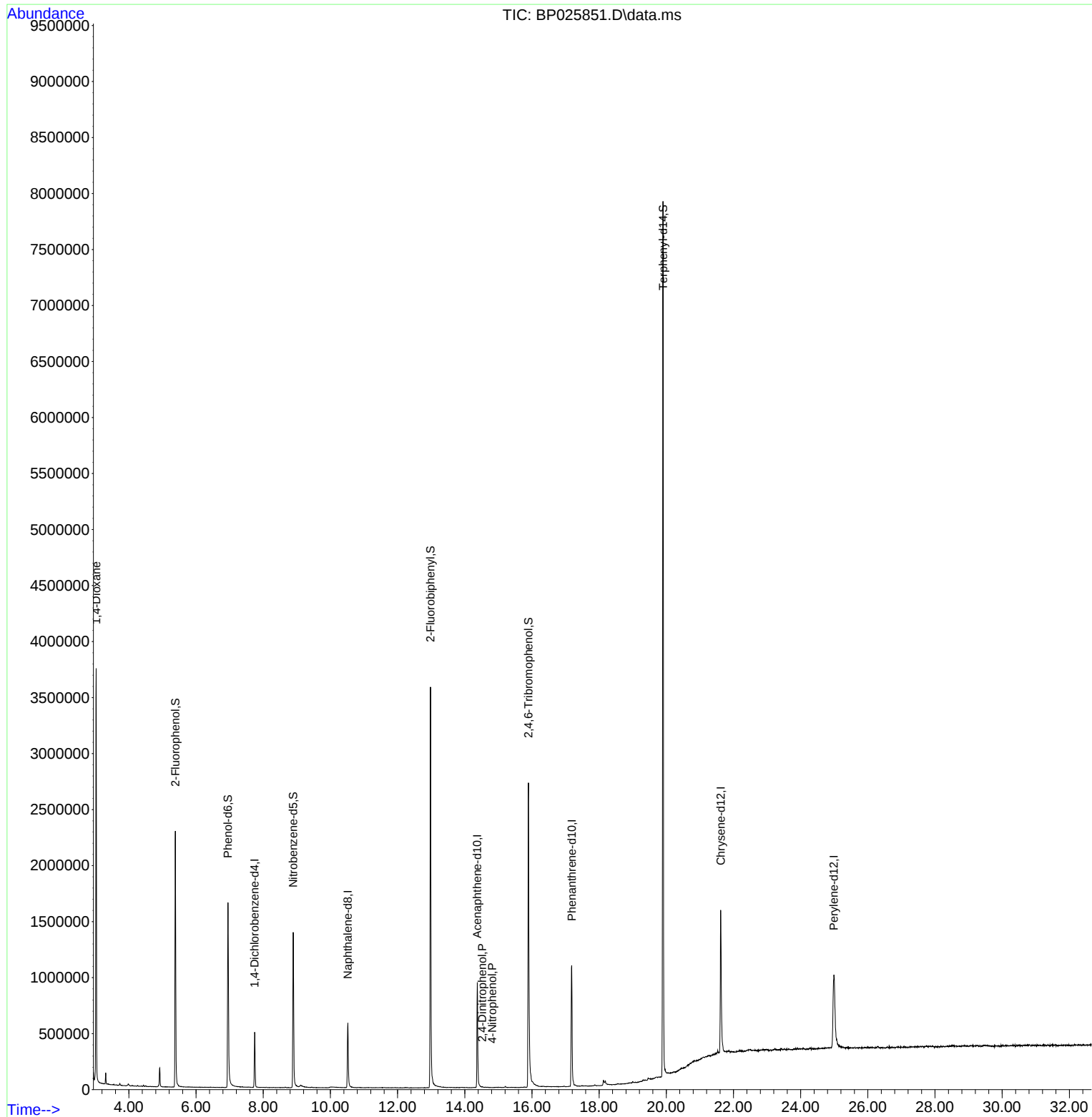
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	139362	20.000	ng	-0.02
21) Naphthalene-d8	10.519	136	552940	20.000	ng	0.00
39) Acenaphthene-d10	14.372	164	387955	20.000	ng	0.00
64) Phenanthrene-d10	17.183	188	911264	20.000	ng	0.00
76) Chrysene-d12	21.619	240	1026394	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1059657	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	1064778	123.281	ng	0.00
7) Phenol-d6	6.949	99	1217121	106.020	ng	0.00
23) Nitrobenzene-d5	8.890	82	918376	73.264	ng	-0.01
42) 2,4,6-Tribromophenol	15.895	330	724355	149.692	ng	-0.01
45) 2-Fluorobiphenyl	12.978	172	2111610	72.473	ng	-0.01
79) Terphenyl-d14	19.901	244	4622075	81.012	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.025	88	21676	5.980	ng	# 1
54) 2,4-Dinitrophenol	14.519	184	47	4.835	ng	# 34
56) 4-Nitrophenol	14.819	139	46	4.490	ng	93

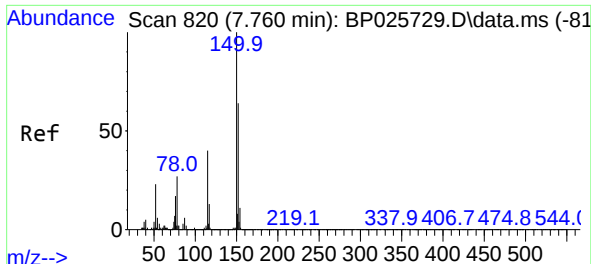
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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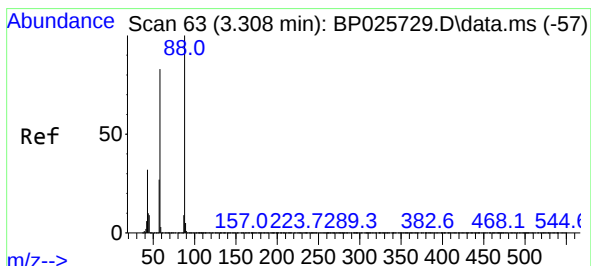
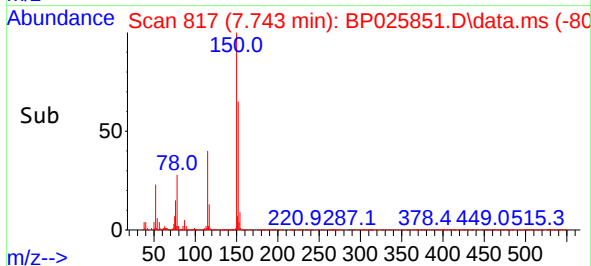
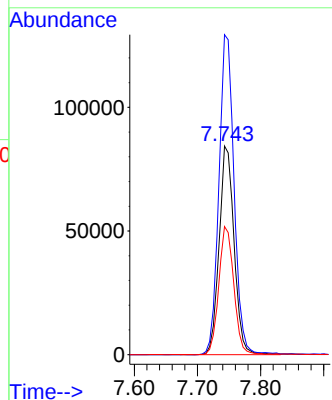
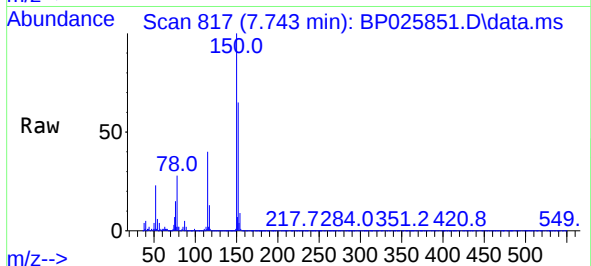




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

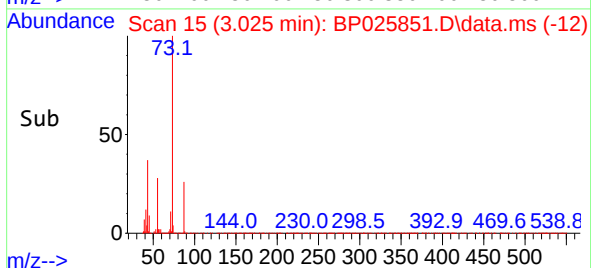
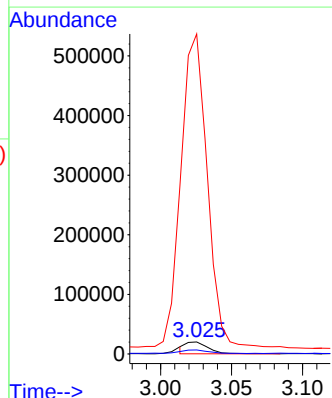
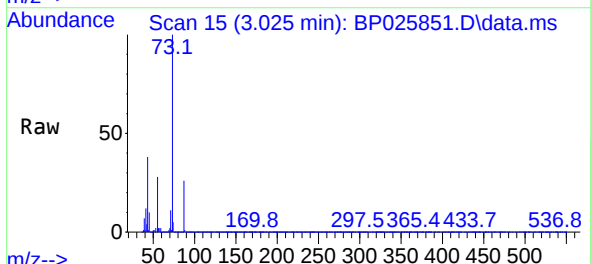
Instrument :
BNA_P
ClientSampleId :

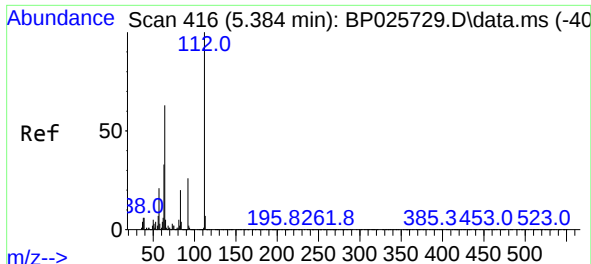
Tgt Ion:152 Resp: 139362
Ion Ratio Lower Upper
152 100
150 153.3 124.3 186.5
115 61.4 50.3 75.5



#2
1,4-Dioxane
Concen: 5.980 ng
RT: 3.025 min Scan# 15
Delta R.T. -0.282 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Tgt Ion: 88 Resp: 21676
Ion Ratio Lower Upper
88 100
58 30.0 65.5 98.3#
43 2637.4 25.2 37.8#

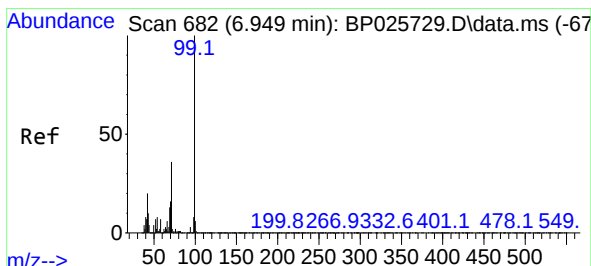
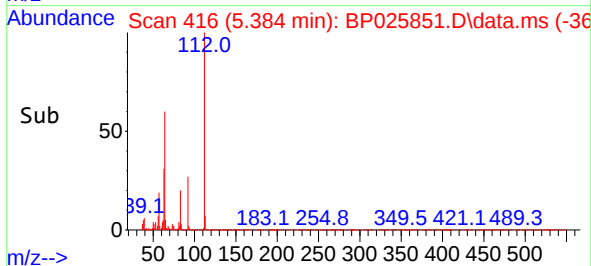
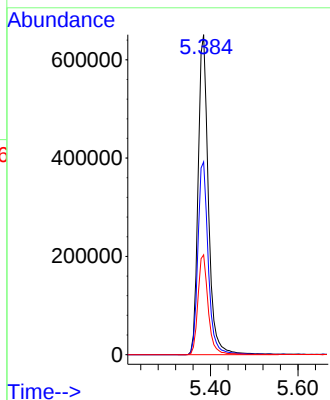
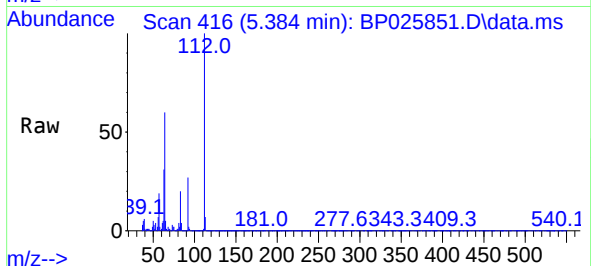




#5
2-Fluorophenol
Concen: 123.281 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

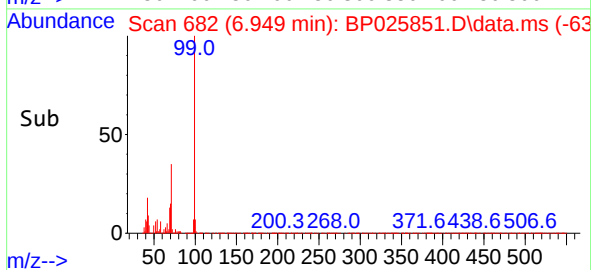
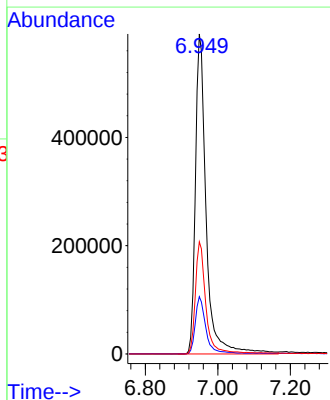
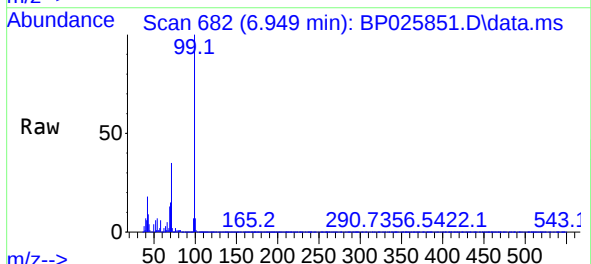
Instrument :
BNA_P
ClientSampleId :

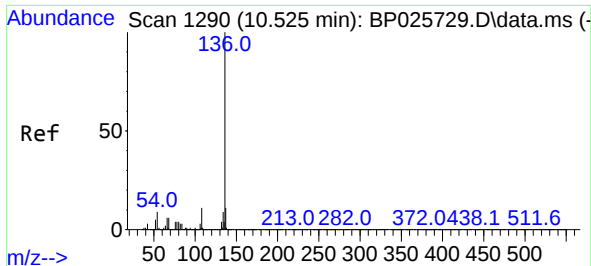
Tgt Ion:112 Resp: 1064778
Ion Ratio Lower Upper
112 100
64 60.3 50.2 75.4
63 31.2 26.7 40.1



#7
Phenol-d6
Concen: 106.020 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.000 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Tgt Ion: 99 Resp: 1217121
Ion Ratio Lower Upper
99 100
42 17.9 15.6 23.4
71 35.0 28.6 43.0



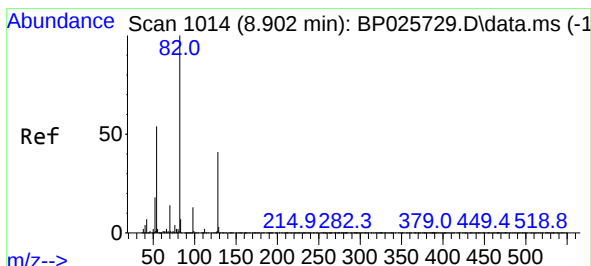
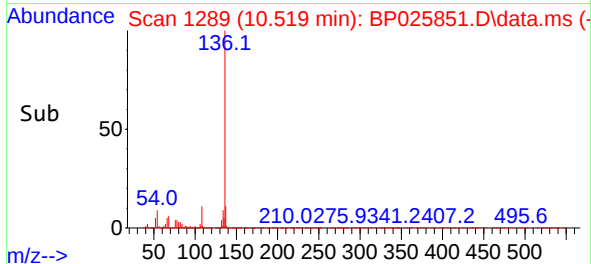
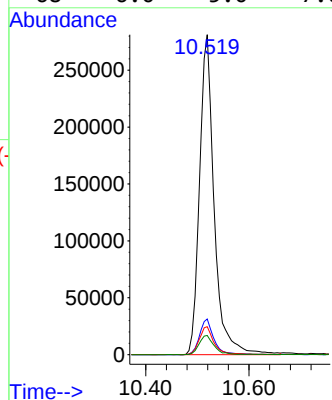
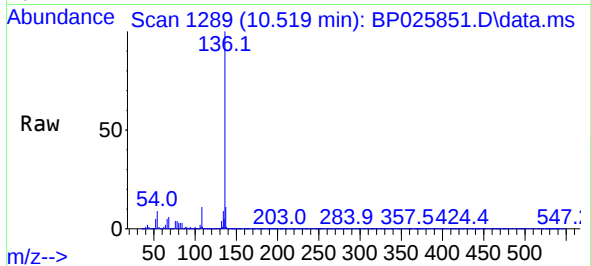


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:136 Resp: 552940

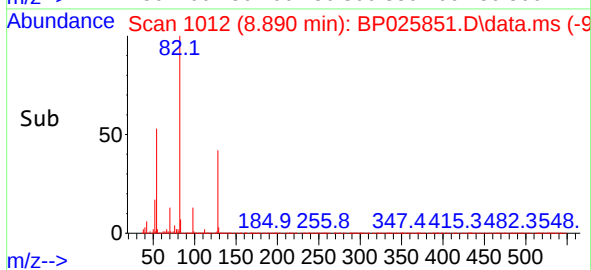
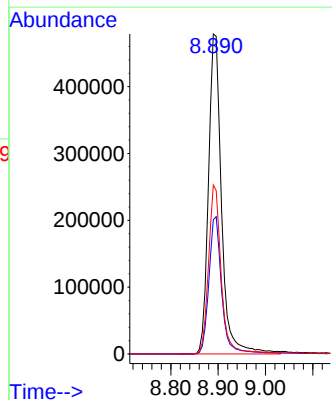
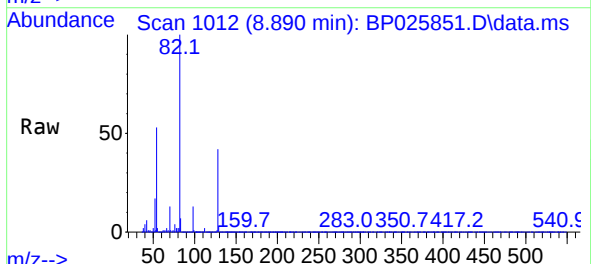
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.7	7.5	11.3
68	6.0	5.0	7.6

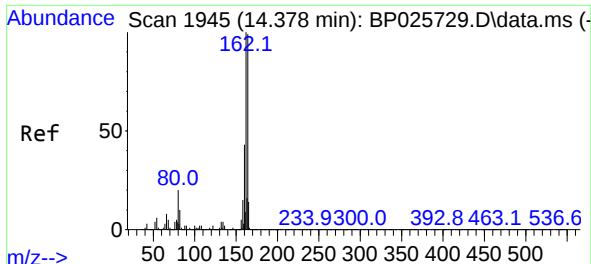


#23
Nitrobenzene-d5
Concen: 73.264 ng
RT: 8.890 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Tgt Ion: 82 Resp: 918376

Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.9	49.3
54	52.8	43.4	65.2

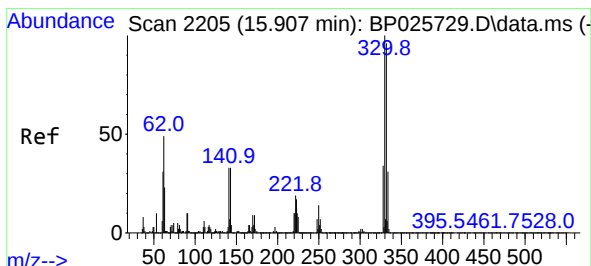
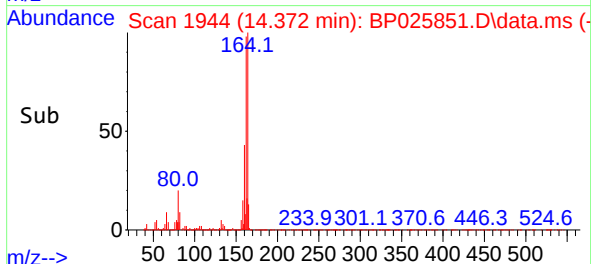
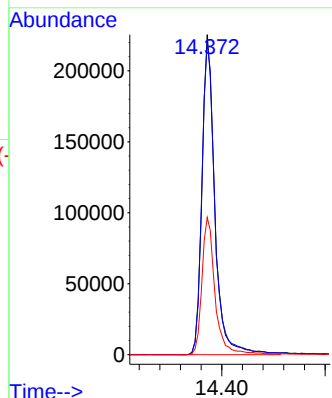
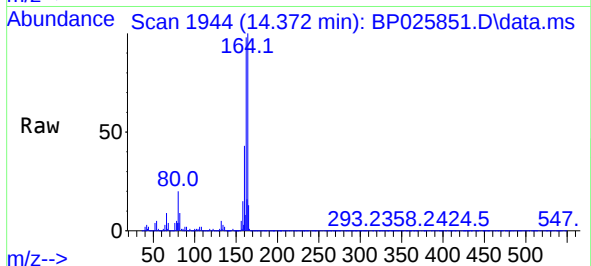




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

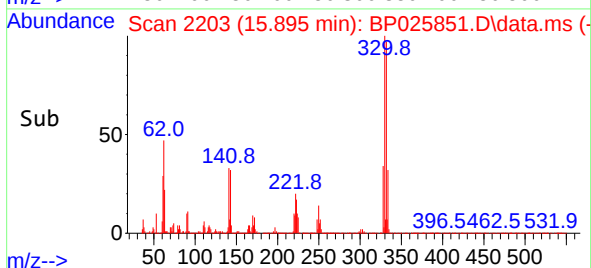
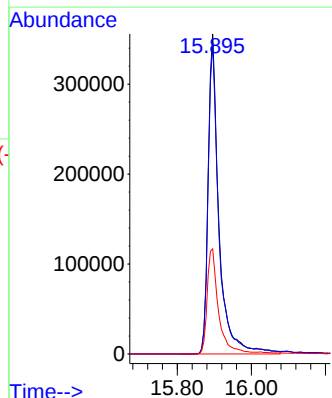
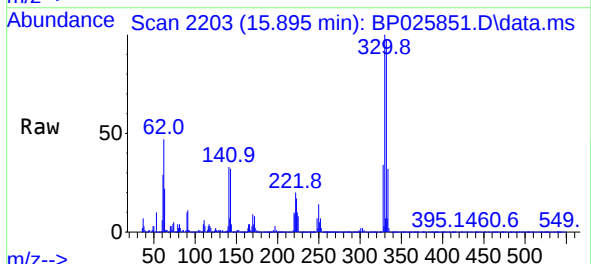
Instrument :
BNA_P
ClientSampleId :

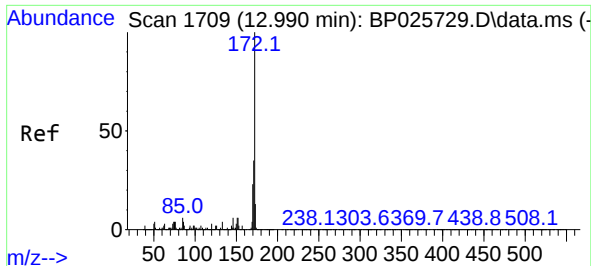
Tgt Ion:164 Resp: 387955
Ion Ratio Lower Upper
164 100
162 97.7 80.6 120.8
160 42.9 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 149.692 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Tgt Ion:330 Resp: 724355
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 34.2 31.0 46.4

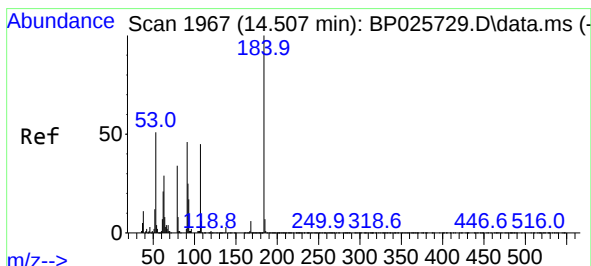
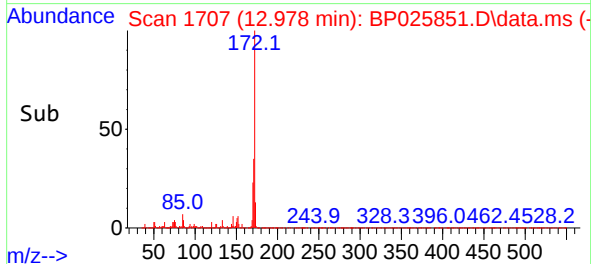
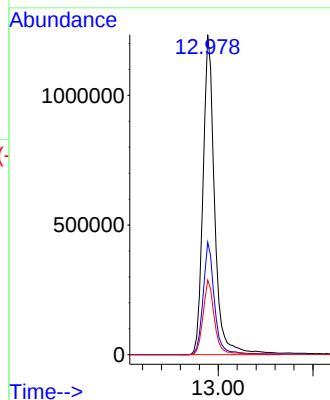
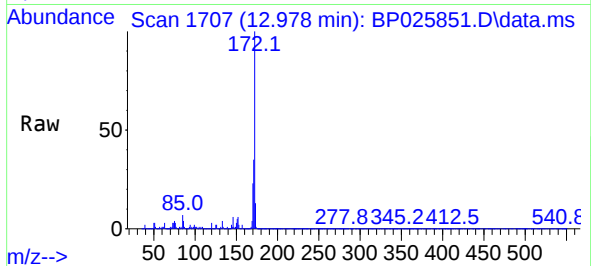




#45
2-Fluorobiphenyl
Concen: 72.473 ng
RT: 12.978 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

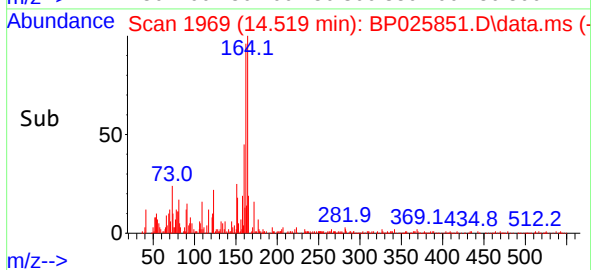
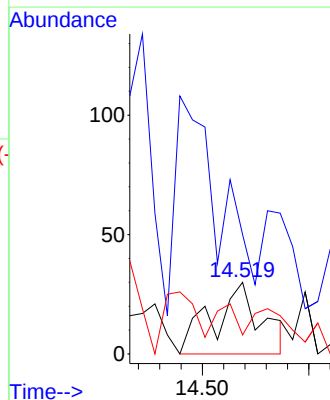
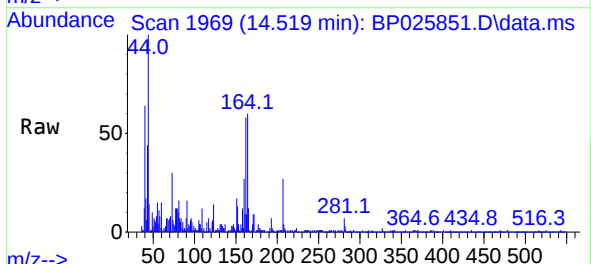
Instrument :
BNA_P
ClientSampleId :

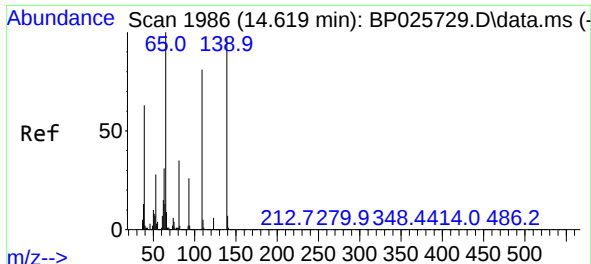
Tgt Ion:172 Resp: 2111610
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.6
170 23.3 18.6 27.8



#54
2,4-Dinitrophenol
Concen: 4.835 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Tgt Ion:184 Resp: 47
Ion Ratio Lower Upper
184 100
63 166.7 52.5 78.7#
154 66.7 51.5 77.3

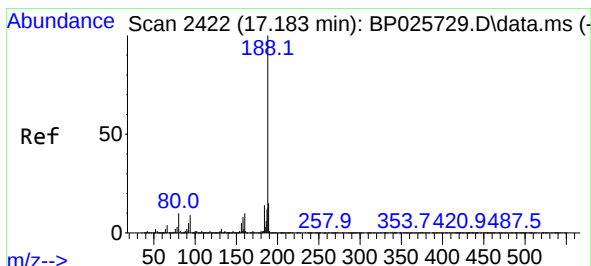
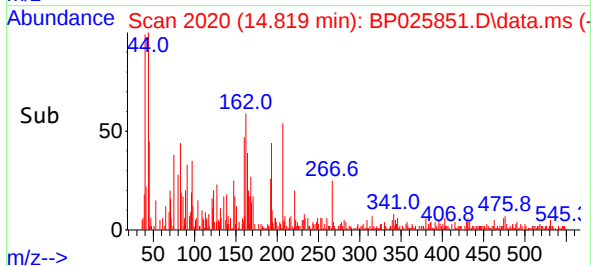
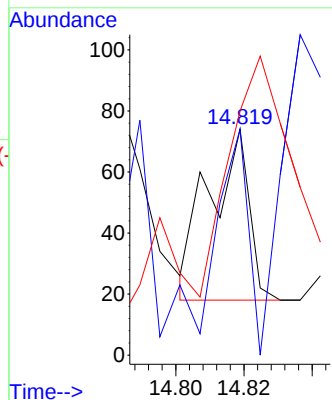
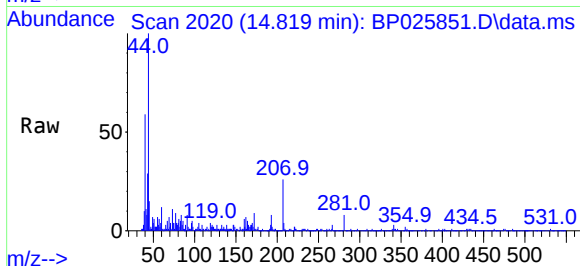




#56
4-Nitrophenol
Concen: 4.490 ng
RT: 14.819 min Scan# 20
Delta R.T. 0.200 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

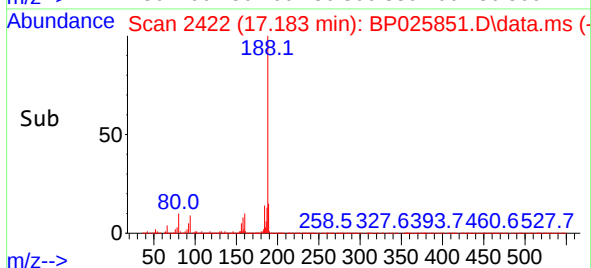
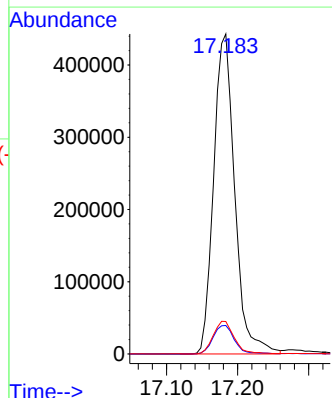
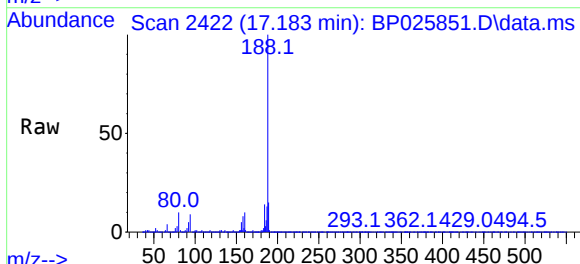
Instrument :
BNA_P
ClientSampleId :

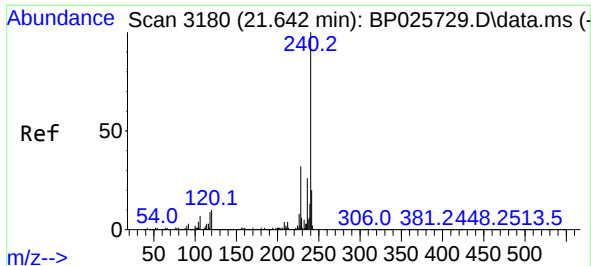
Tgt Ion:	139	Resp:	46
Ion	Ratio	Lower	Upper
139	100		
109	88.1	62.9	102.9
65	95.2	83.4	123.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

Tgt Ion:	188	Resp:	911264
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.4	11.0
80	10.2	7.7	11.5

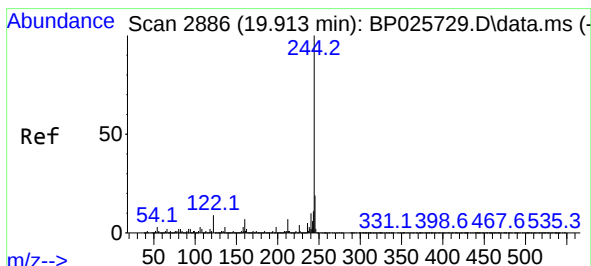
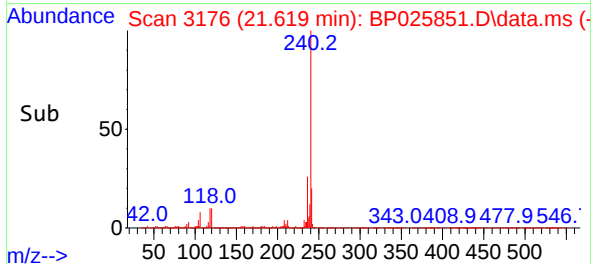
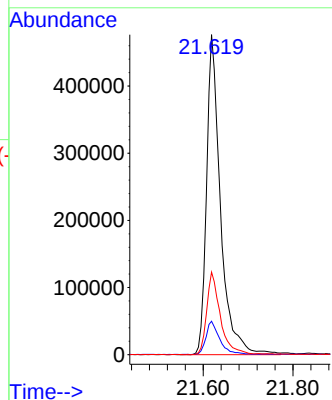
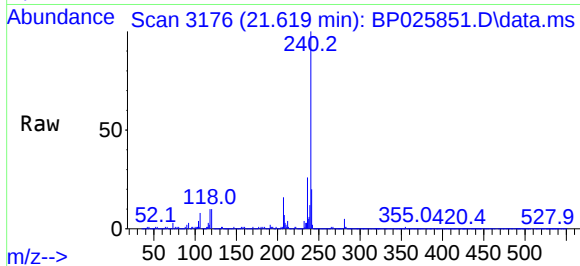




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

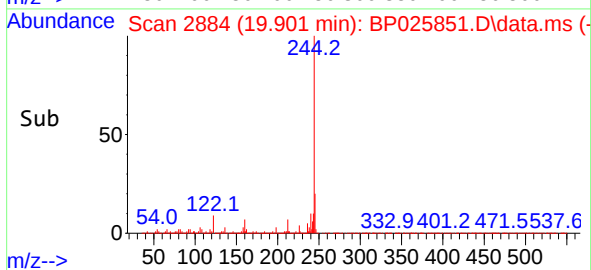
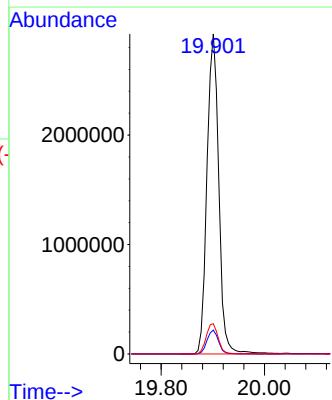
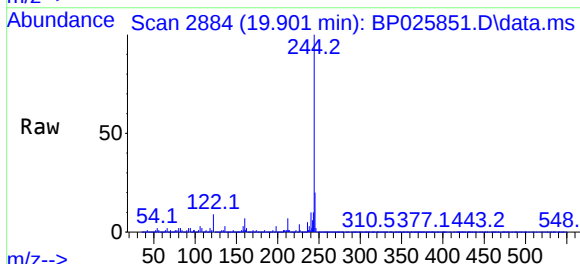
Instrument :
BNA_P
ClientSampleId :

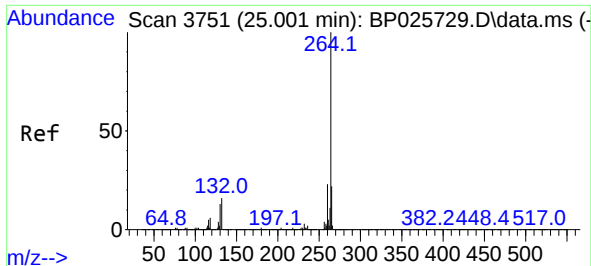
Tgt Ion:240 Resp: 1026394
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 25.8 20.7 31.1



#79
Terphenyl-d14
Concen: 81.012 ng
RT: 19.901 min Scan# 2884
Delta R.T. -0.012 min
Lab File: BP025851.D
Acq: 24 Sep 2025 18:50

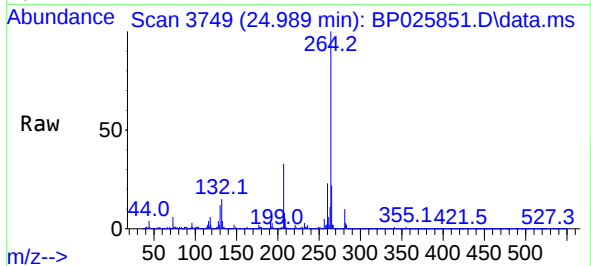
Tgt Ion:244 Resp: 4622075
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 9.5 7.1 10.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.989 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BP025851.D
 Acq: 24 Sep 2025 18:50

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:264 Resp: 1059657
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.3 27.5
 265 21.7 17.3 25.9

