

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025384.D
 Acq On : 13 Aug 2025 14:46
 Operator : CG/JU
 Sample : Q2820-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 705R-S

Quant Time: Aug 13 15:24:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

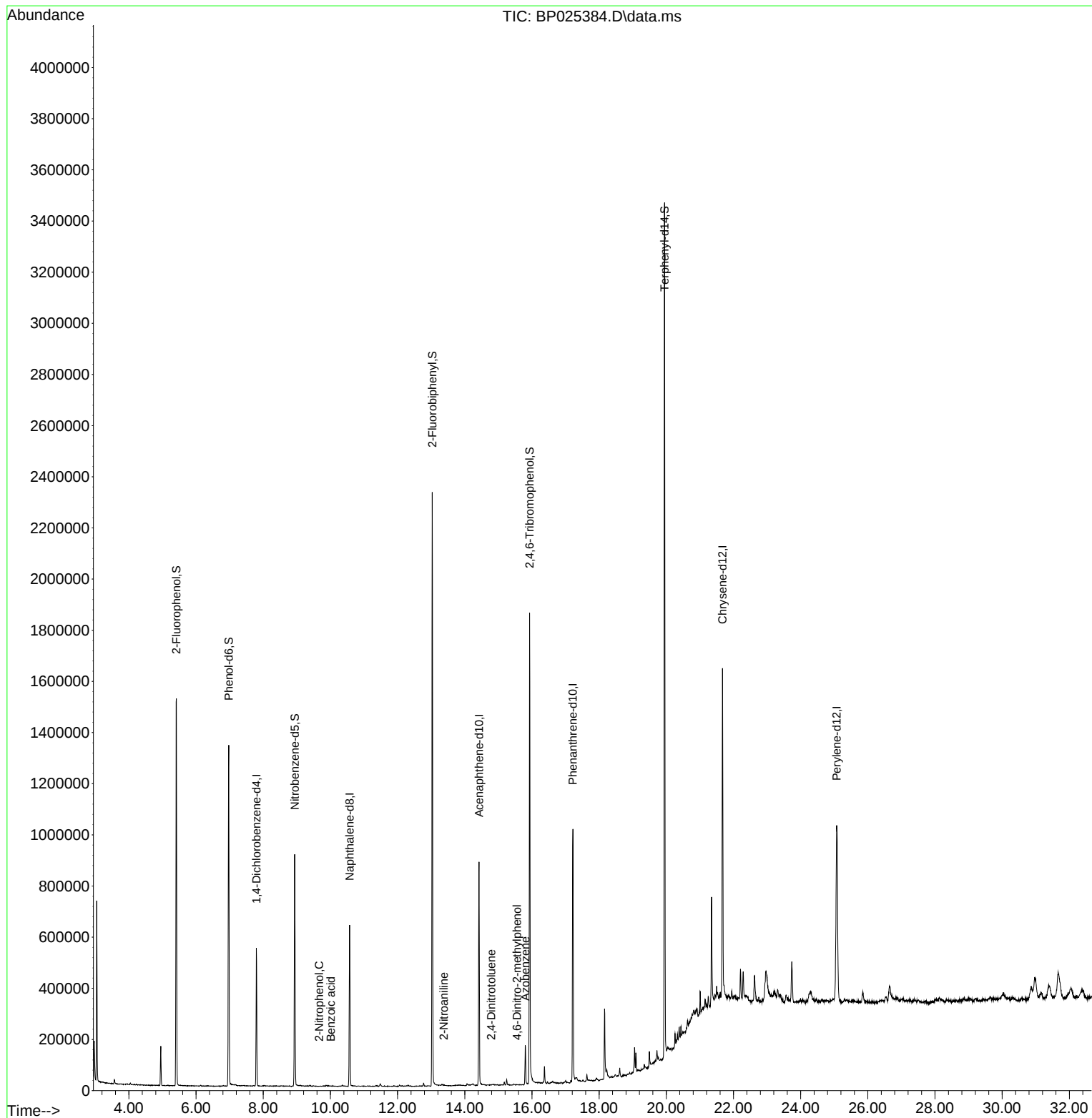
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	141445	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	543246	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	336079	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	669191	20.000	ng	0.00
76) Chrysene-d12	21.672	240	757887	20.000	ng	0.01
86) Perylene-d12	25.071	264	855341	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	682418	77.597	ng	0.00
7) Phenol-d6	6.972	99	811402	70.106	ng	0.00
23) Nitrobenzene-d5	8.937	82	516403	52.664	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	357620	106.664	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1162081	47.759	ng	0.00
79) Terphenyl-d14	19.948	244	1879163	46.832	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.666	139	33	3.646	ng	# 1
32) Benzoic acid	10.013	122	106	5.976	ng	91
48) 2-Nitroaniline	13.378	65	43	2.971	ng	85
57) 2,4-Dinitrotoluene	14.790	165	828	3.365	ng	# 87
63) Azobenzene	15.801	77	46816	2.040	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.554	198	95	4.873	ng	# 1

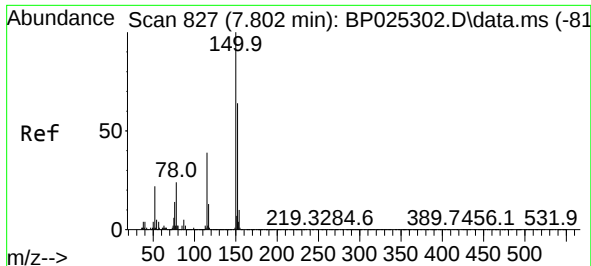
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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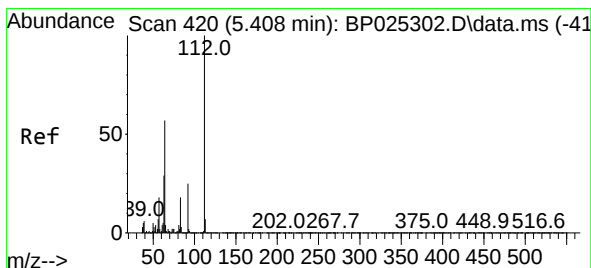
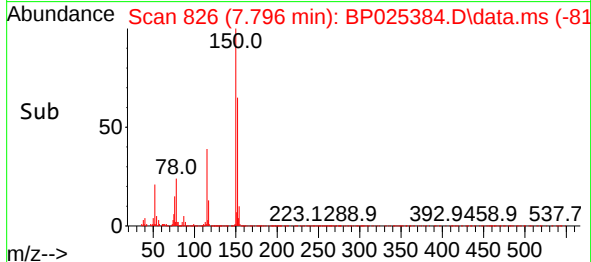
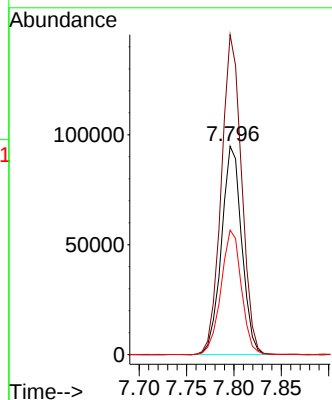
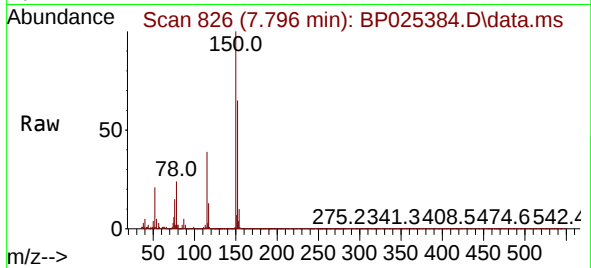




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

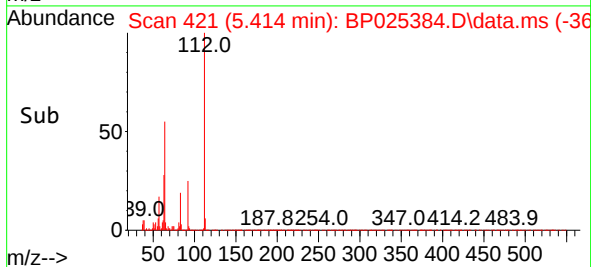
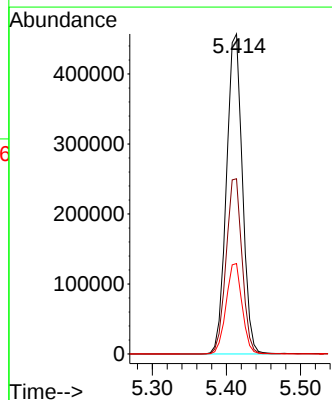
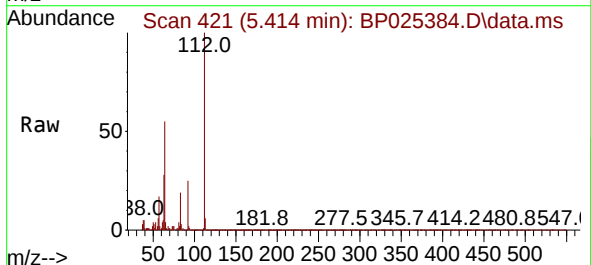
Instrument :
BNA_P
ClientSampleId :
705R-S

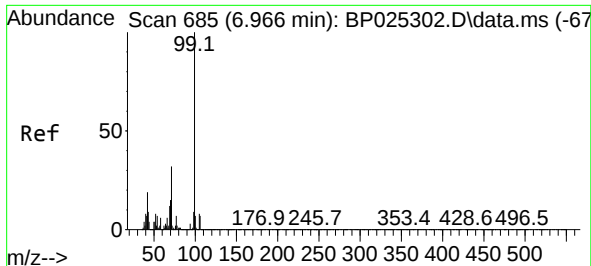
Tgt Ion:152 Resp: 141445
Ion Ratio Lower Upper
152 100
150 153.5 125.1 187.7
115 59.8 48.4 72.6



#5
2-Fluorophenol
Concen: 77.597 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:112 Resp: 682418
Ion Ratio Lower Upper
112 100
64 54.8 45.3 67.9
63 28.3 23.0 34.6

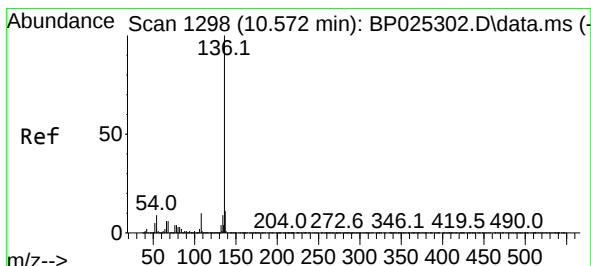
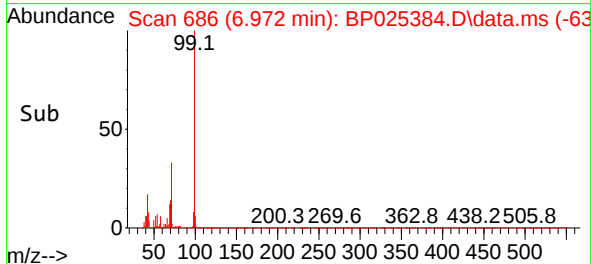
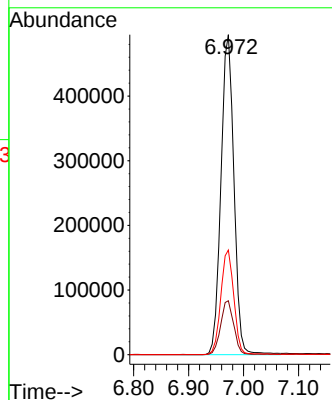
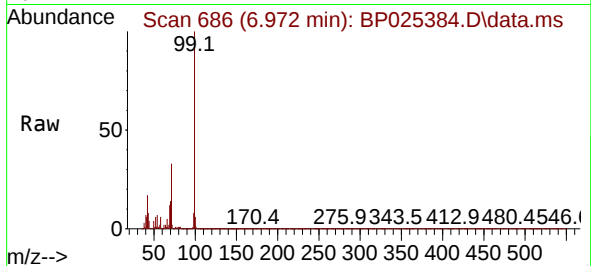




#7
Phenol-d6
Concen: 70.106 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

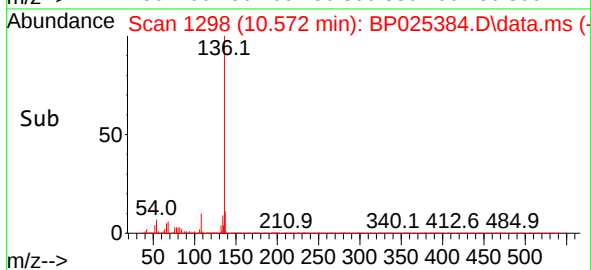
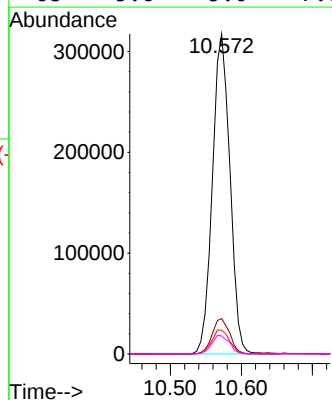
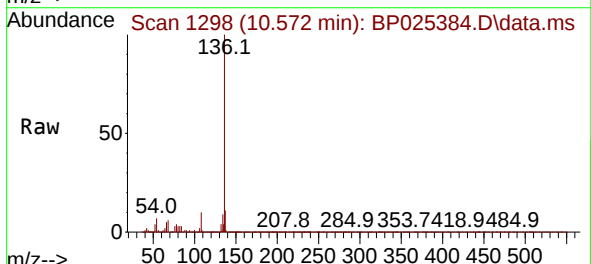
Instrument :
BNA_P
ClientSampleId :
705R-S

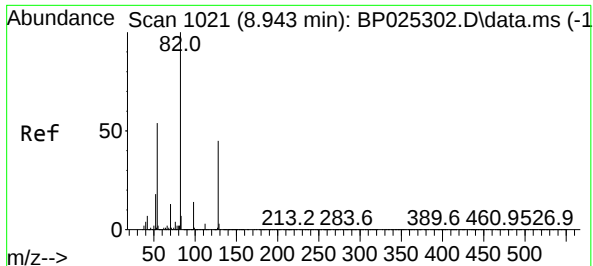
Tgt Ion: 99 Resp: 811402
Ion Ratio Lower Upper
99 100
42 16.9 15.0 22.6
71 32.7 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion: 136 Resp: 543246
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 7.0 10.6
68 5.6 5.0 7.6

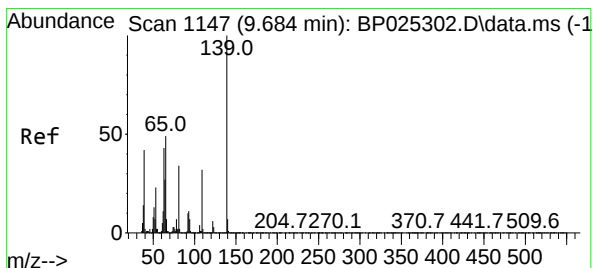
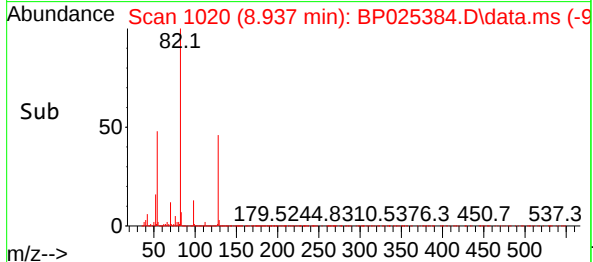
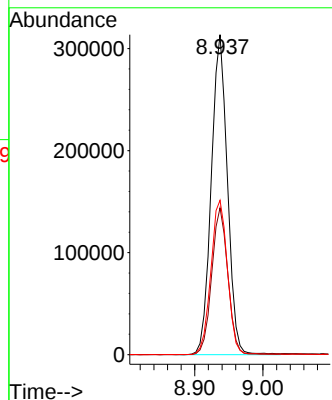
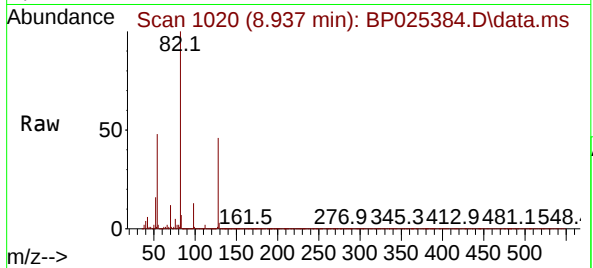




#23
Nitrobenzene-d5
Concen: 52.664 ng
RT: 8.937 min Scan# 110
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

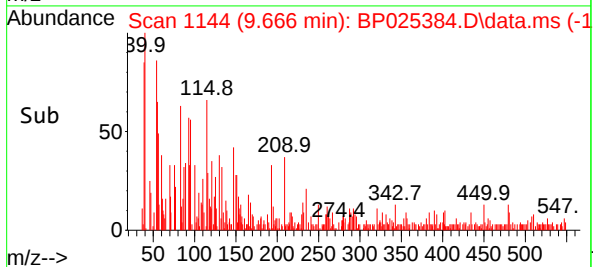
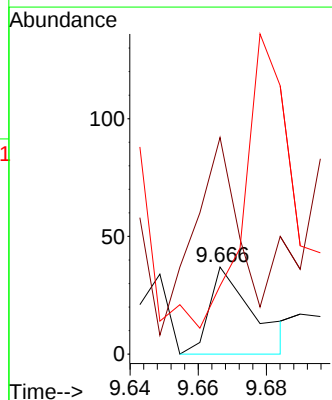
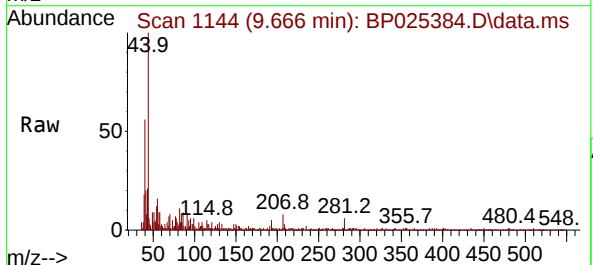
Instrument :
BNA_P
ClientSampleId :
705R-S

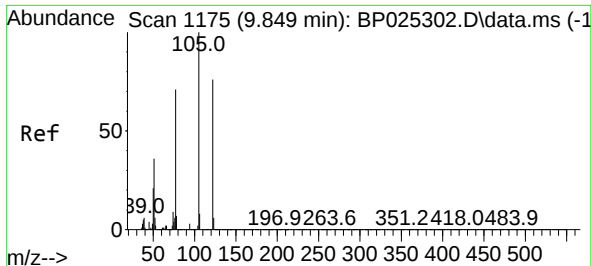
Tgt Ion: 82 Resp: 516403
Ion Ratio Lower Upper
82 100
128 45.9 35.4 53.2
54 48.2 42.9 64.3



#26
2-Nitrophenol
Concen: 3.646 ng
RT: 9.666 min Scan# 1144
Delta R.T. -0.018 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:139 Resp: 33
Ion Ratio Lower Upper
139 100
109 214.0 25.2 37.8#
65 67.4 39.6 59.4#

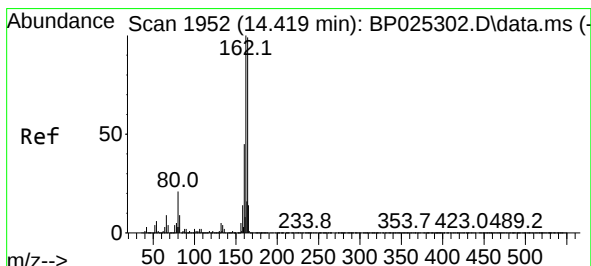
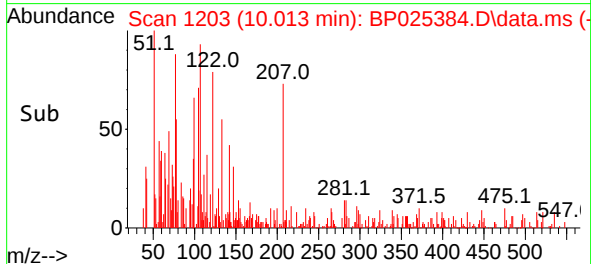
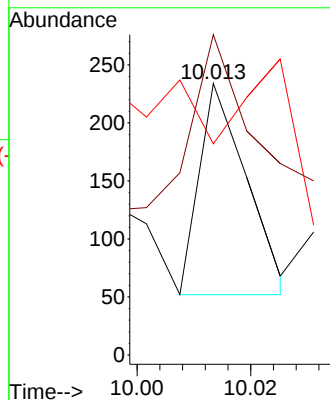
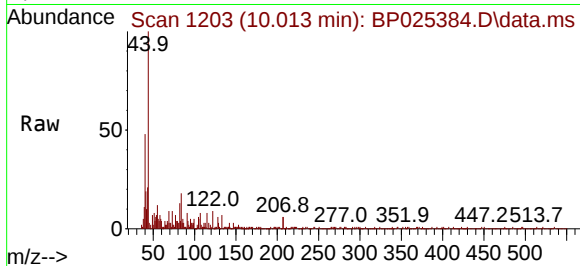




#32
Benzoic acid
Concen: 5.976 ng
RT: 10.013 min Scan# 1175
Delta R.T. 0.164 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

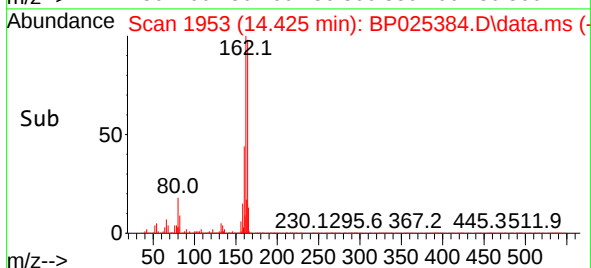
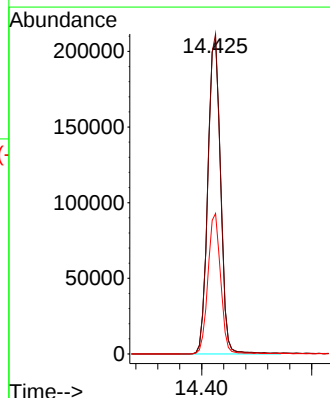
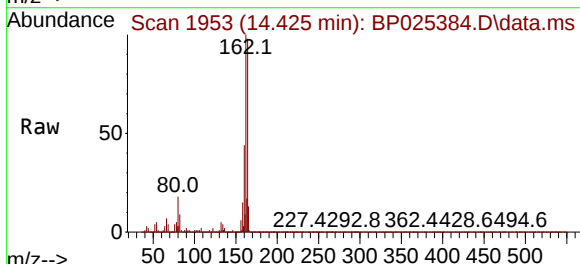
Instrument :
BNA_P
ClientSampleId :
705R-S

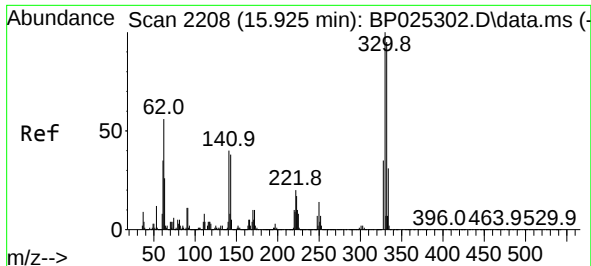
Tgt Ion:122 Resp: 106
Ion Ratio Lower Upper
122 100
105 117.9 104.0 144.0
77 77.8 71.8 111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:164 Resp: 336079
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 44.8 35.9 53.9

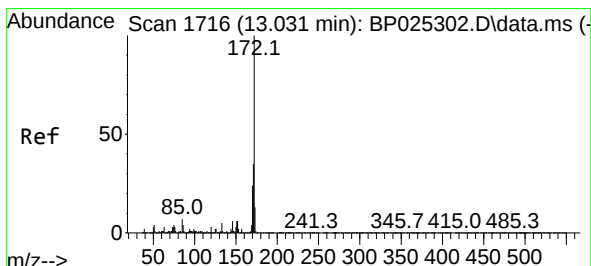
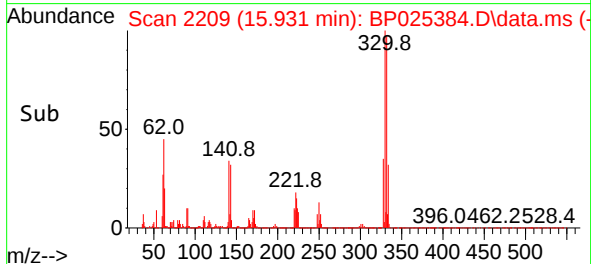
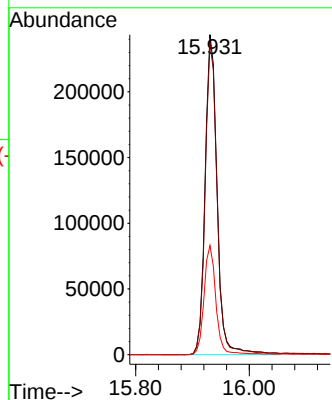
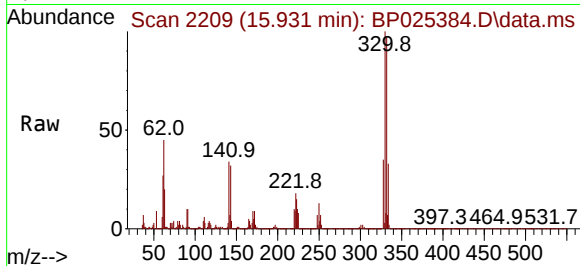




#42
2,4,6-Tribromophenol
Concen: 106.664 ng
RT: 15.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

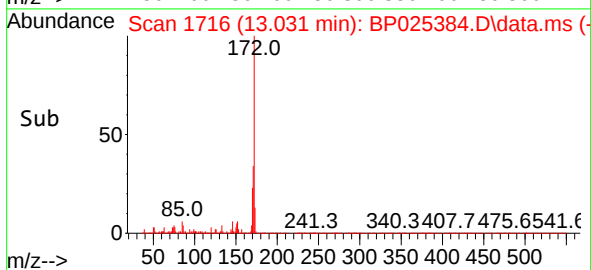
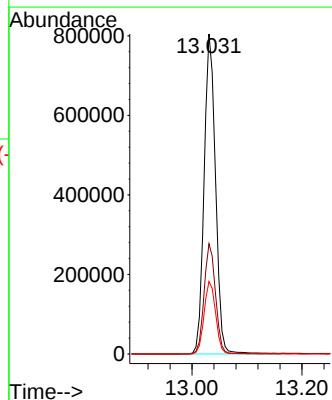
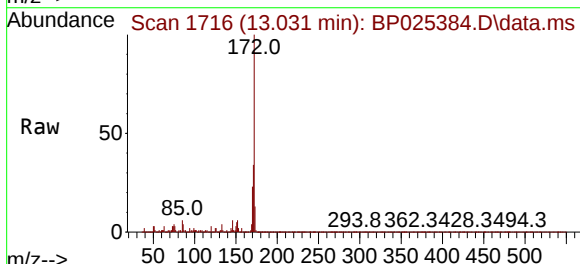
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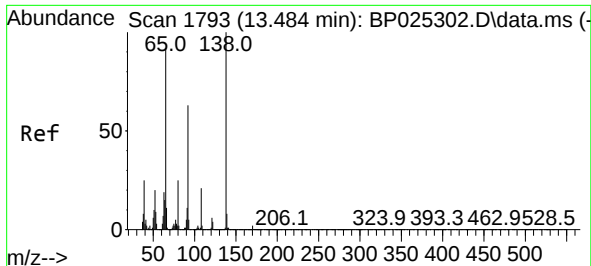
Tgt Ion:330 Resp: 357620
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 33.8 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 47.759 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:172 Resp: 1162081
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 22.6 18.9 28.3

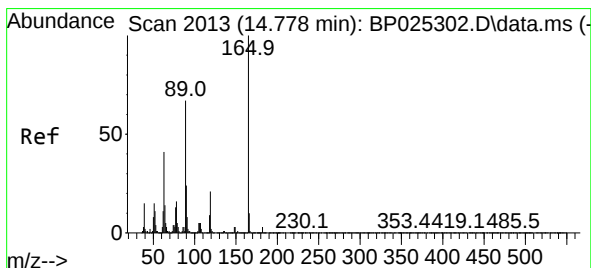
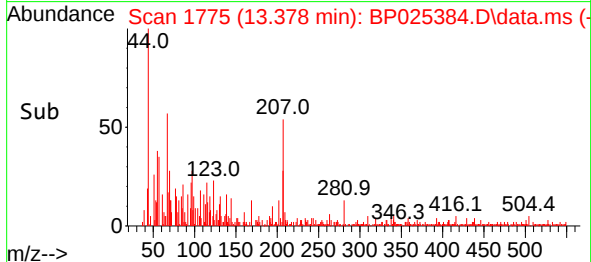
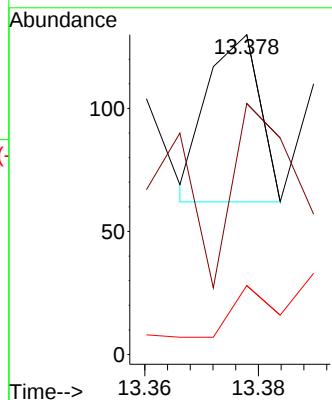
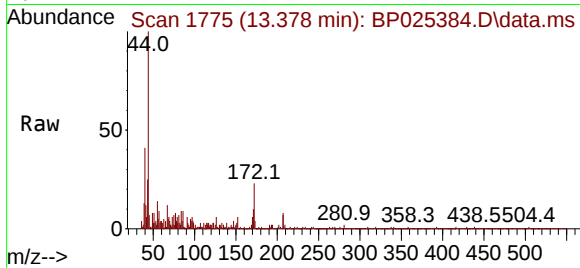




#48
2-Nitroaniline
Concen: 2.971 ng
RT: 13.378 min Scan# 1
Delta R.T. -0.106 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

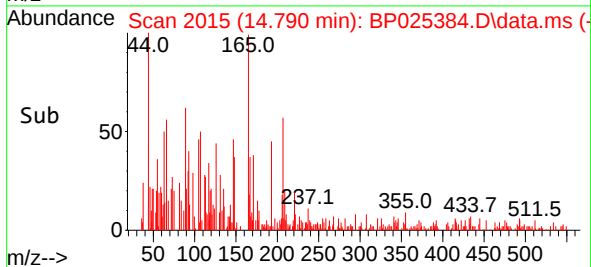
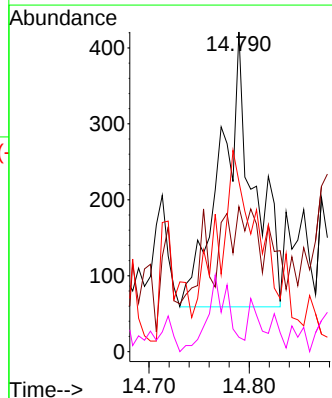
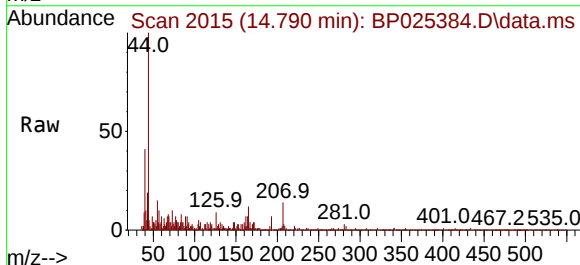
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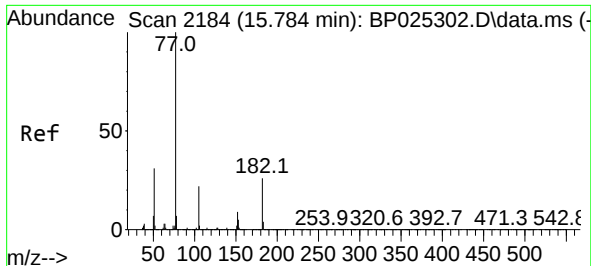
Tgt Ion: 65 Resp: 43
Ion Ratio Lower Upper
65 100
92 78.5 54.4 81.6
138 90.8 87.0 130.4



#57
2,4-Dinitrotoluene
Concen: 3.365 ng
RT: 14.790 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion: 165 Resp: 828
Ion Ratio Lower Upper
165 100
63 45.4 33.2 49.8
89 53.2 53.5 80.3#
182 4.5 2.2 3.4#

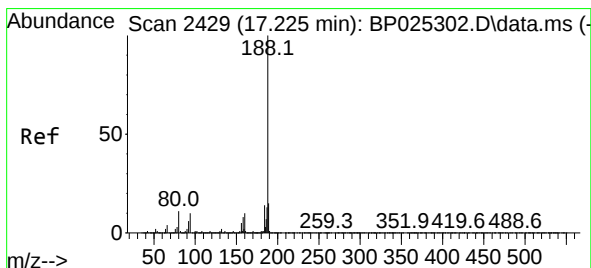
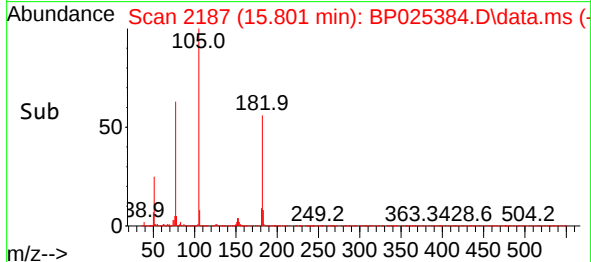
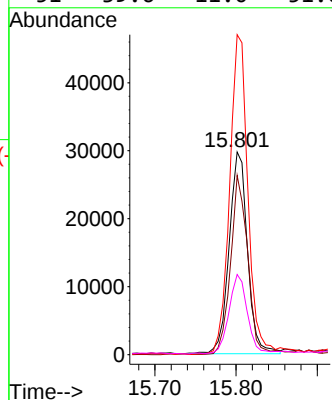
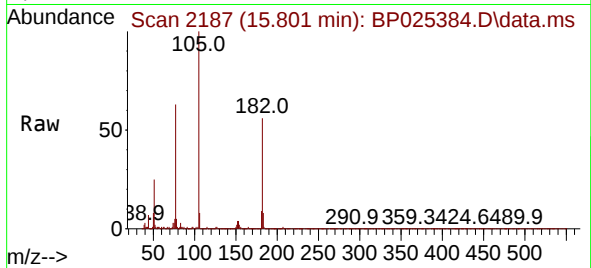




#63
Azobenzene
Concen: 2.040 ng
RT: 15.801 min Scan# 2184
Delta R.T. 0.017 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

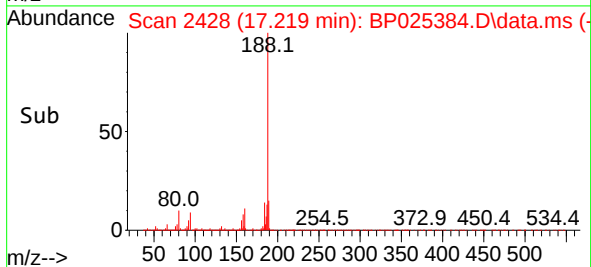
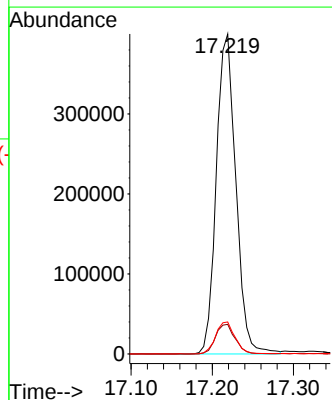
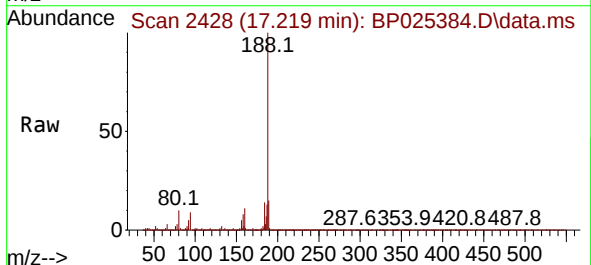
Instrument :
BNA_P
ClientSampleId :
705R-S

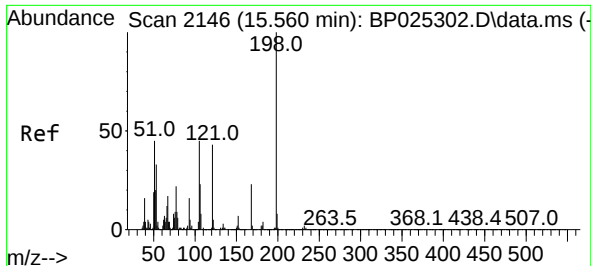
Tgt Ion: 77 Resp: 46816
Ion Ratio Lower Upper
77 100
182 88.4 6.0 46.0#
105 157.8 2.1 42.1#
51 39.6 11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:188 Resp: 669191
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 10.0 8.5 12.7

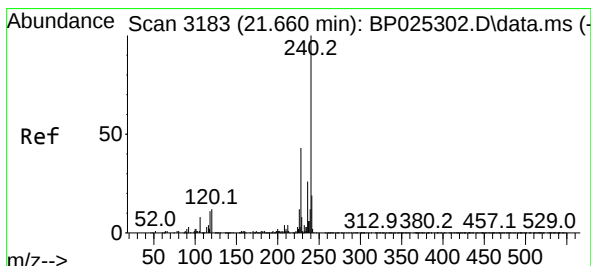
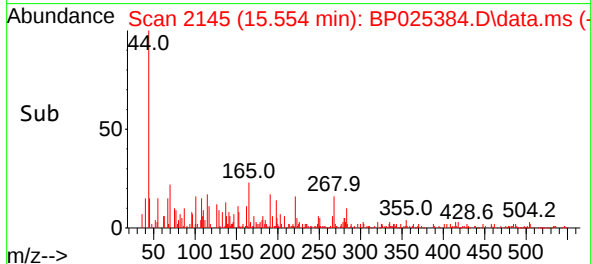
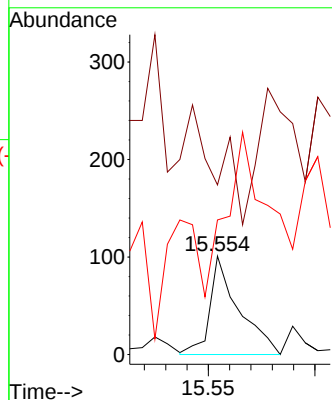
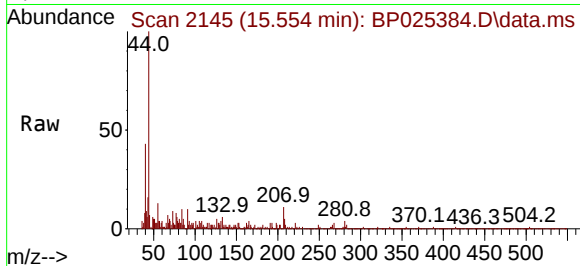




#65
4,6-Dinitro-2-methylphenol
Concen: 4.873 ng
RT: 15.554 min Scan# 2146
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

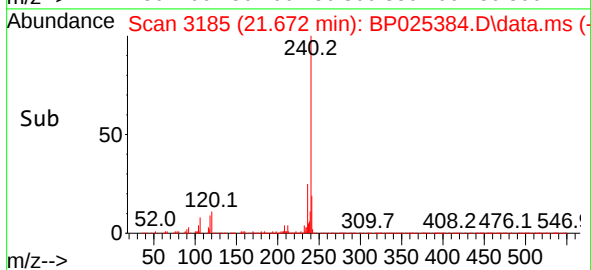
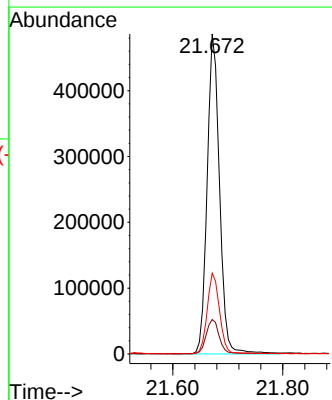
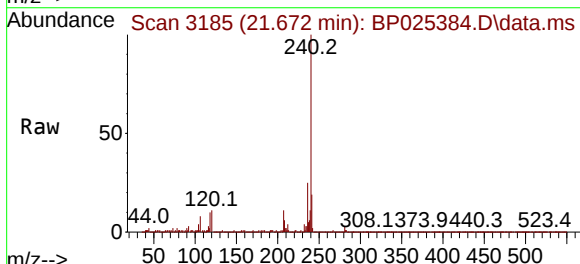
Instrument :
BNA_P
ClientSampleId :
705R-S

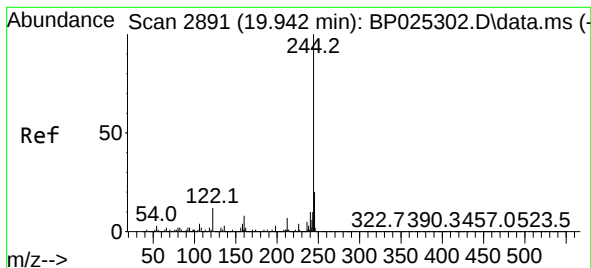
Tgt Ion:198 Resp: 95
Ion Ratio Lower Upper
198 100
51 172.3 26.7 66.7#
105 136.6 25.6 65.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:240 Resp: 757887
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 25.2 20.4 30.6





#79

Terphenyl-d14

Concen: 46.832 ng

RT: 19.948 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025384.D

Acq: 13 Aug 2025 14:46

Instrument :

BNA_P

ClientSampleId :

705R-S

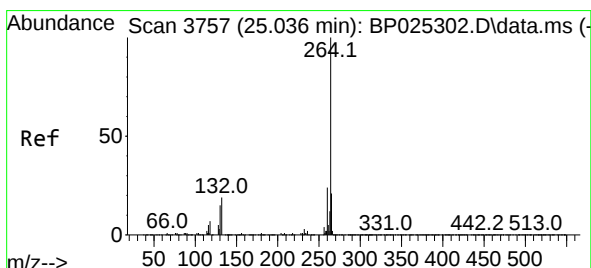
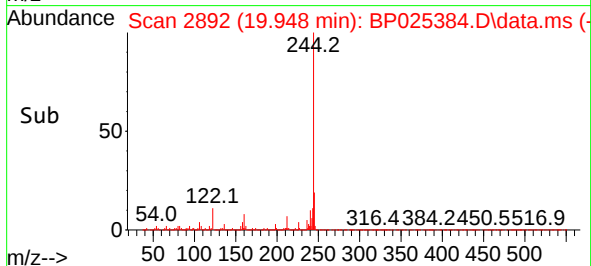
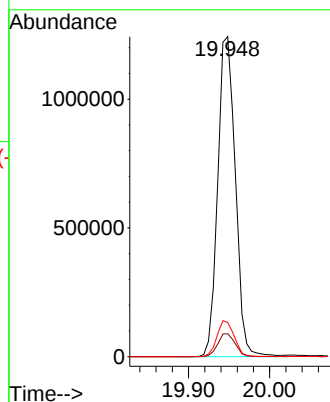
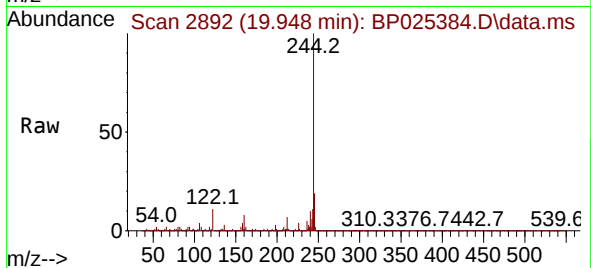
Tgt Ion:244 Resp: 1879163

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.7 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.071 min Scan# 3763

Delta R.T. 0.035 min

Lab File: BP025384.D

Acq: 13 Aug 2025 14:46

Tgt Ion:264 Resp: 855341

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 23.0 17.1 25.7

