

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050625\
 Data File : BP024544.D
 Acq On : 06 May 2025 13:03
 Operator : RC/JU
 Sample : Q1937-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LARGE-PILE-B

Quant Time: May 06 13:45:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

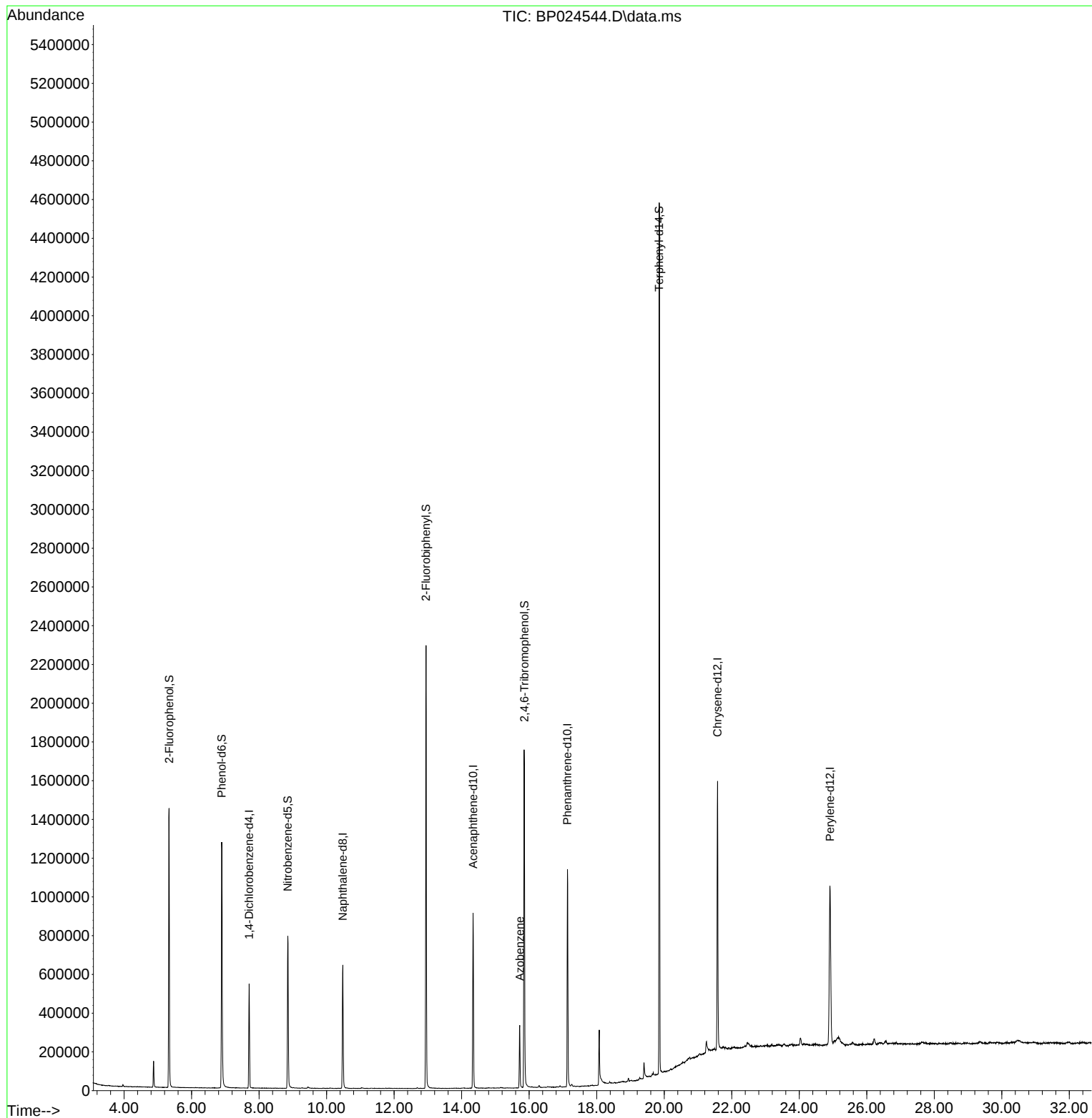
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	145224	20.000	ng	-0.02
21) Naphthalene-d8	10.481	136	567822	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	344553	20.000	ng	-0.01
64) Phenanthrene-d10	17.134	188	694418	20.000	ng	-0.01
76) Chrysene-d12	21.580	240	816125	20.000	ng	-0.01
86) Perylene-d12	24.910	264	949984	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	648554	73.841	ng	-0.01
7) Phenol-d6	6.893	99	819765	68.163	ng	-0.02
23) Nitrobenzene-d5	8.852	82	499104	50.120	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	429042	90.001	ng	0.00
45) 2-Fluorobiphenyl	12.946	172	1177226	52.313	ng	-0.02
79) Terphenyl-d14	19.851	244	2193639	54.178	ng	-0.02
Target Compounds						
63) Azobenzene	15.722	77	98608	4.155	ng	Qvalue # 1

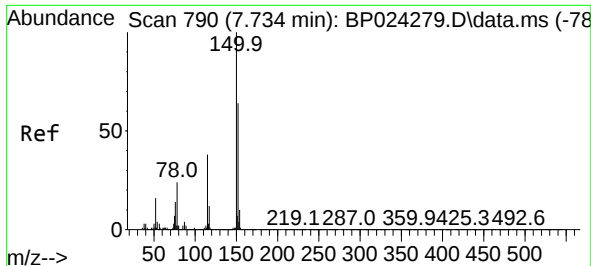
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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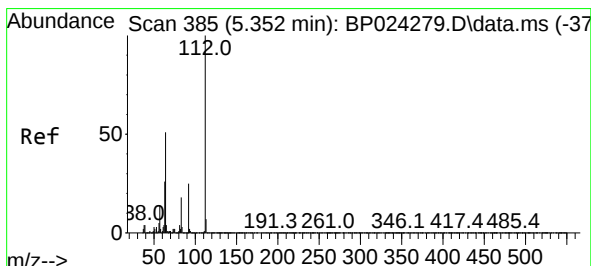
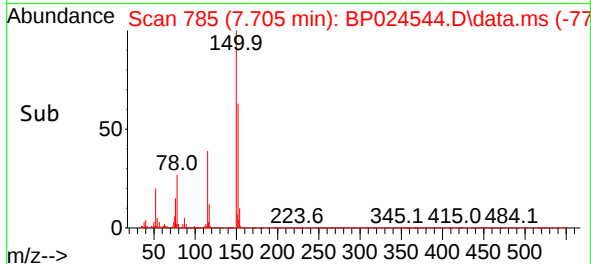
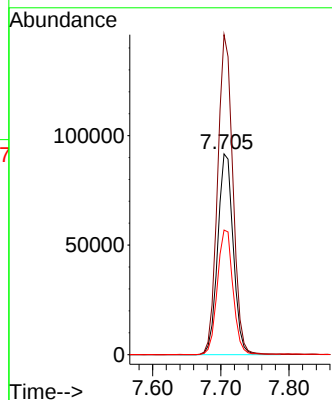
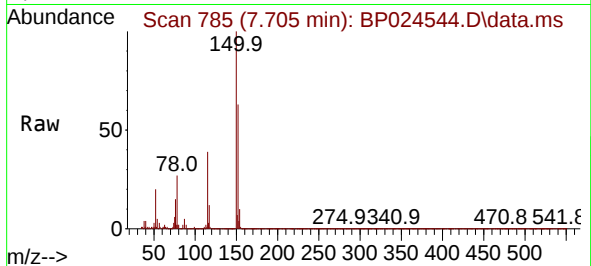




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

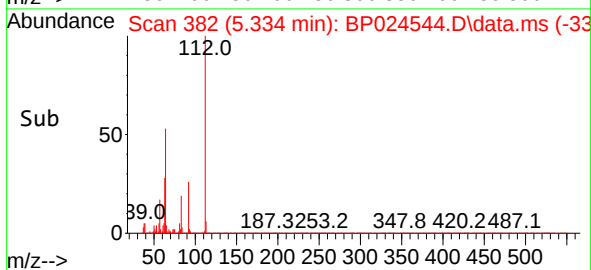
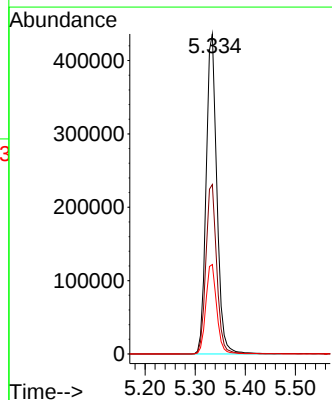
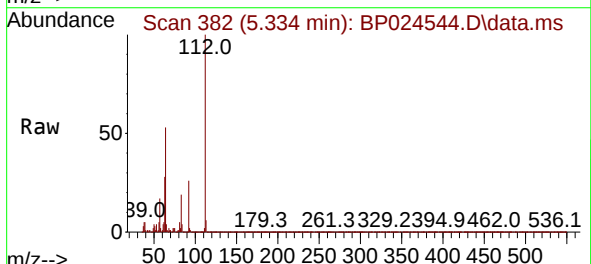
Instrument :
BNA_P
ClientSampleId :
LARGE-PILE-B

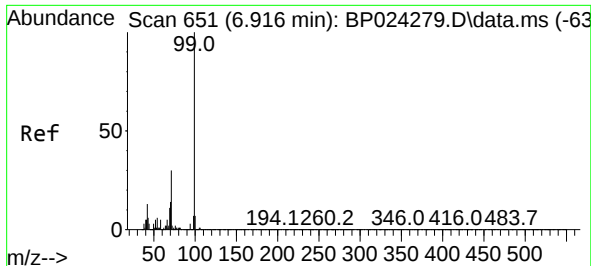
Tgt Ion:152 Resp: 145224
Ion Ratio Lower Upper
152 100
150 159.4 124.9 187.3
115 62.1 47.7 71.5



#5
2-Fluorophenol
Concen: 73.841 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

Tgt Ion:112 Resp: 648554
Ion Ratio Lower Upper
112 100
64 53.0 41.1 61.7
63 27.9 20.6 30.8

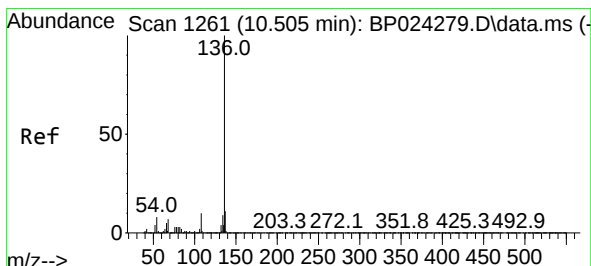
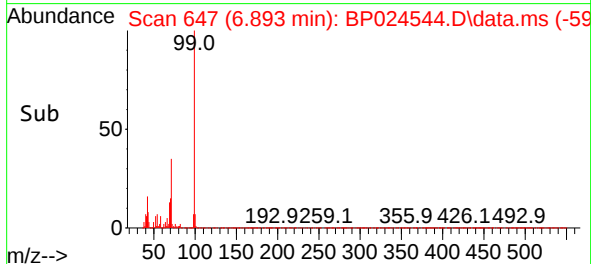
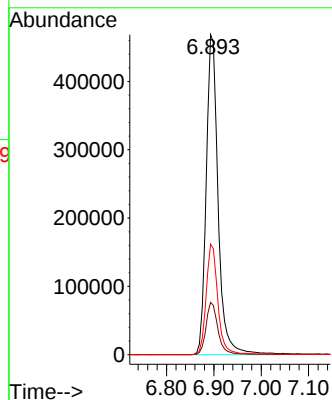
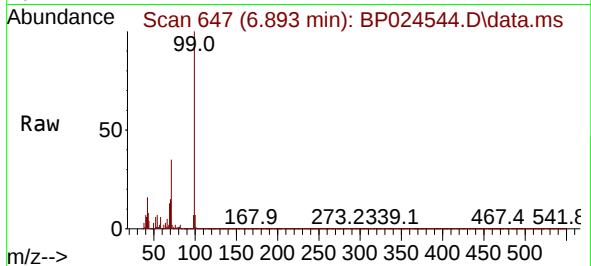




#7
Phenol-d6
Concen: 68.163 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

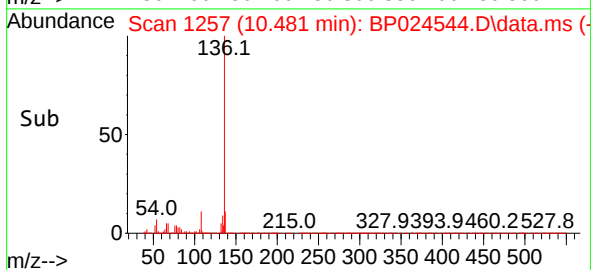
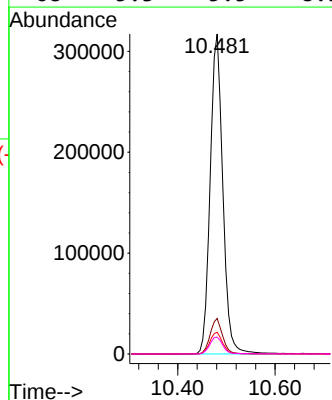
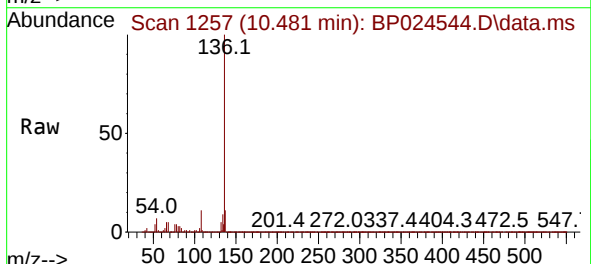
Instrument :
BNA_P
ClientSampleId :
LARGE-PILE-B

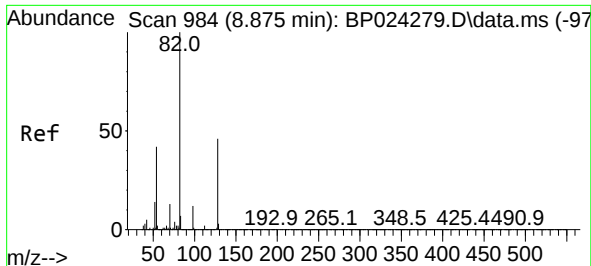
Tgt Ion: 99 Resp: 819765
Ion Ratio Lower Upper
99 100
42 16.3 10.6 16.0#
71 34.5 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.018 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

Tgt Ion: 136 Resp: 567822
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 6.8 6.0 9.0
68 5.3 5.5 8.3#

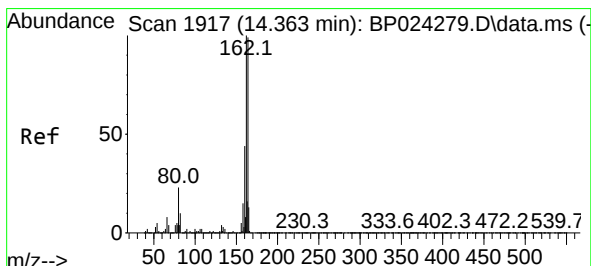
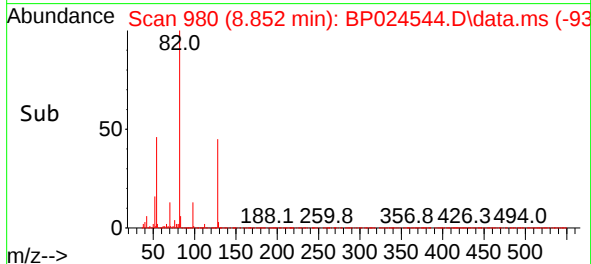
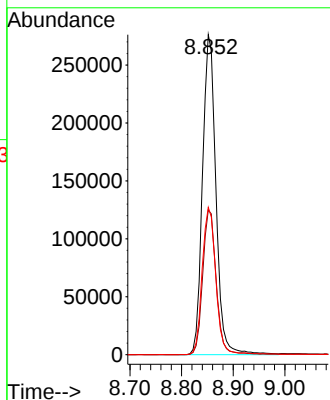
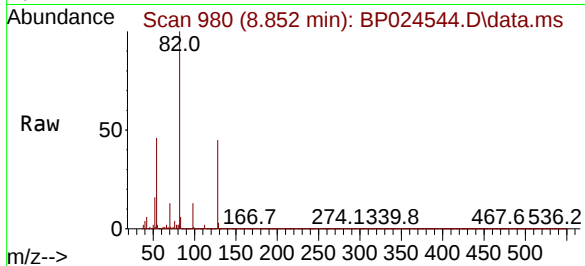




#23
Nitrobenzene-d5
Concen: 50.120 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

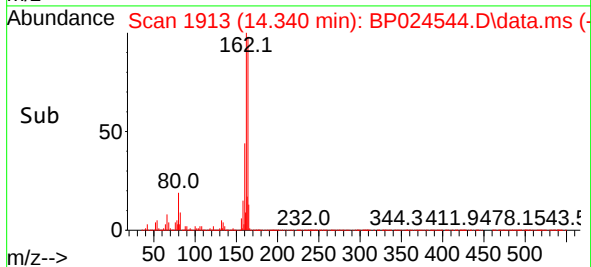
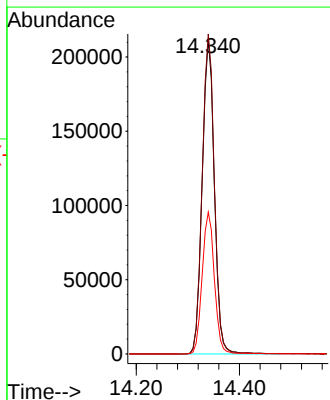
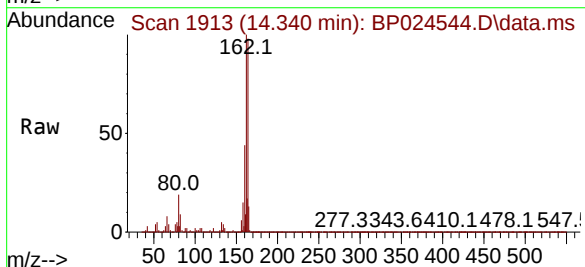
Instrument :
BNA_P
ClientSampleId :
LARGE-PILE-B

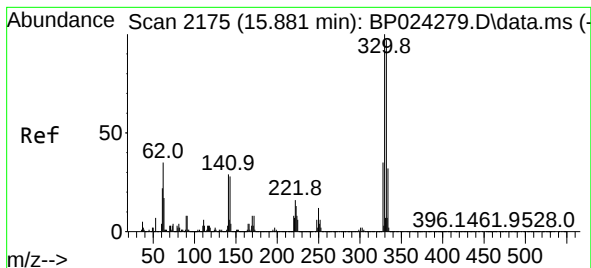
Tgt Ion: 82 Resp: 499104
Ion Ratio Lower Upper
82 100
128 45.2 36.5 54.7
54 46.0 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

Tgt Ion: 164 Resp: 344553
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 45.1 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 90.001 ng

RT: 15.857 min Scan# 2175

Delta R.T. -0.006 min

Lab File: BP024544.D

Acq: 06 May 2025 13:03

Instrument :

BNA_P

ClientSampleId :

LARGE-PILE-B

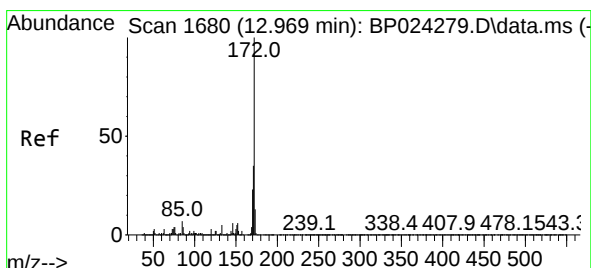
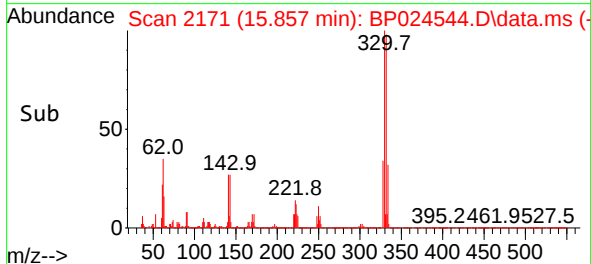
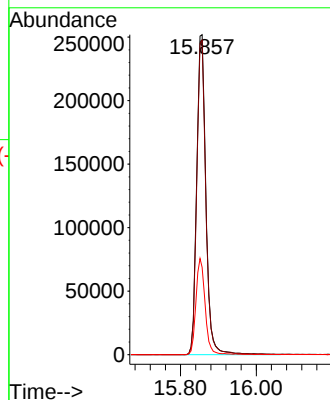
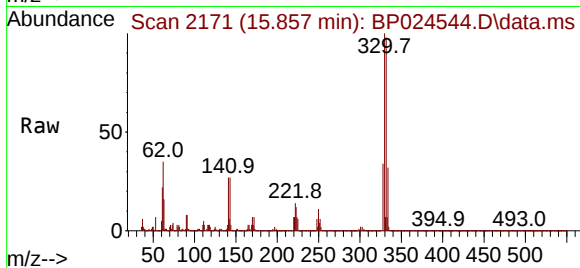
Tgt Ion:330 Resp: 429042

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 29.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 52.313 ng

RT: 12.946 min Scan# 1676

Delta R.T. -0.018 min

Lab File: BP024544.D

Acq: 06 May 2025 13:03

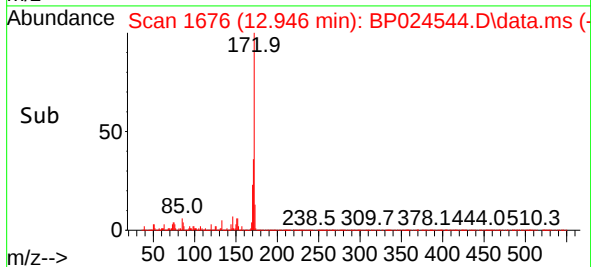
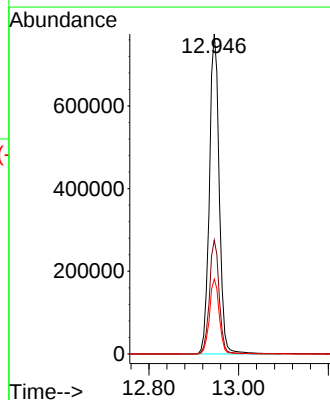
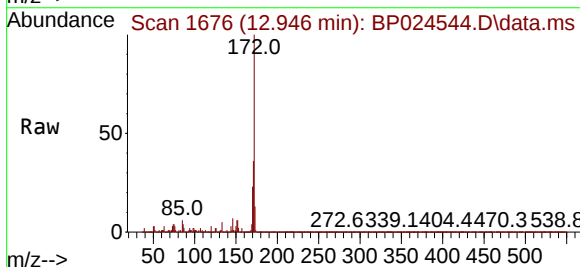
Tgt Ion:172 Resp: 1177226

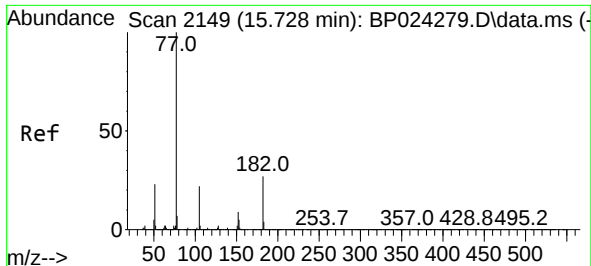
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.4 18.6 27.8

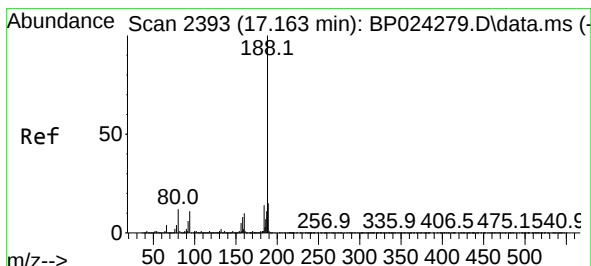
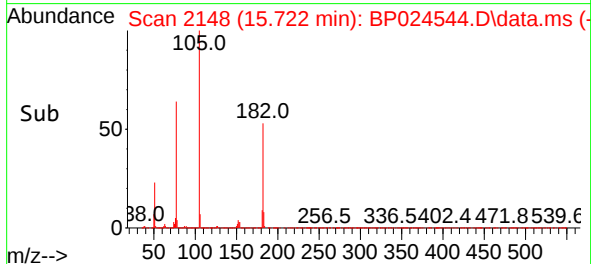
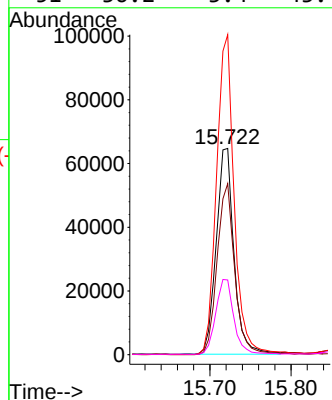
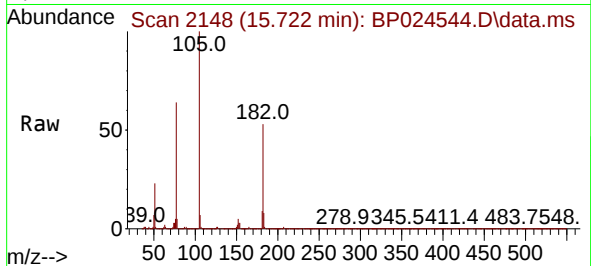




#63
Azobenzene
Concen: 4.155 ng
RT: 15.722 min Scan# 2149
Delta R.T. 0.012 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

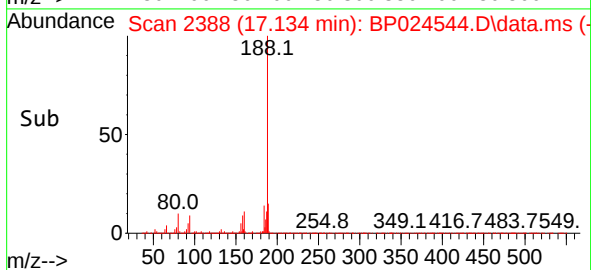
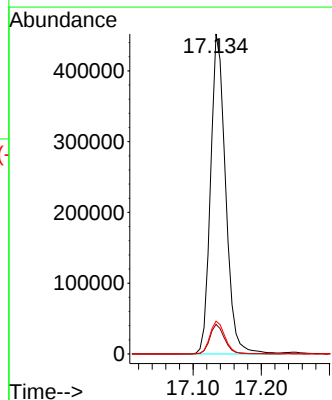
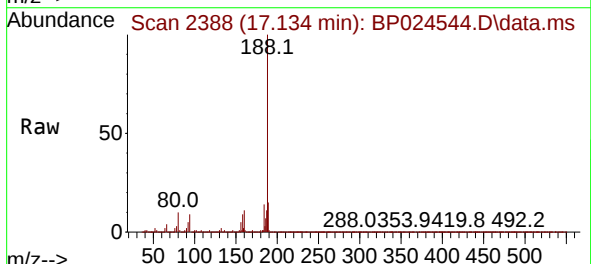
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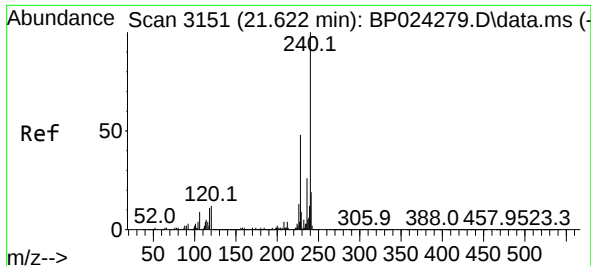
Tgt Ion: 77 Resp: 98608
Ion Ratio Lower Upper
77 100
182 83.0 7.3 47.3#
105 155.2 2.3 42.3#
51 36.2 3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.134 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

Tgt Ion: 188 Resp: 694418
Ion Ratio Lower Upper
188 100
94 9.2 8.6 13.0
80 10.3 9.8 14.6

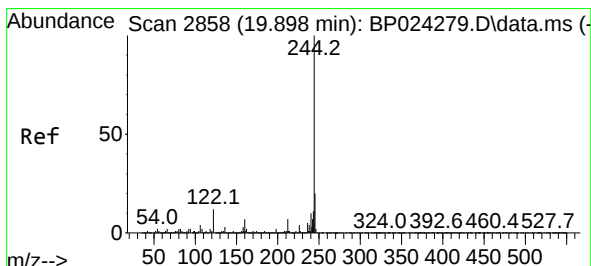
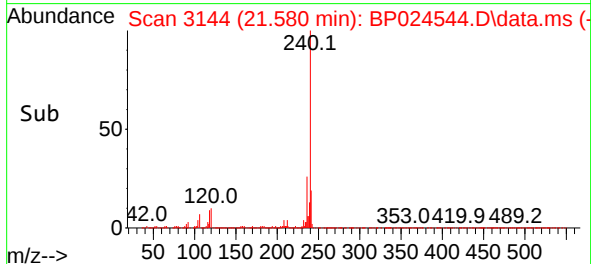
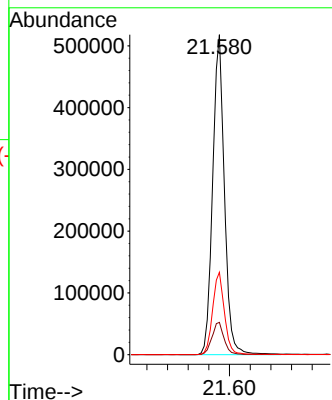
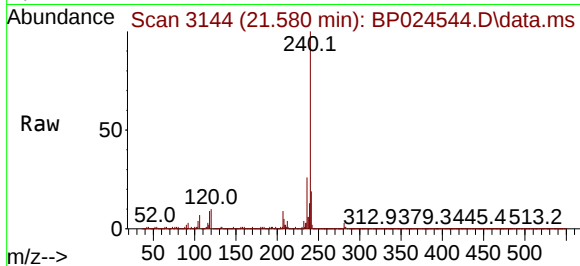




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

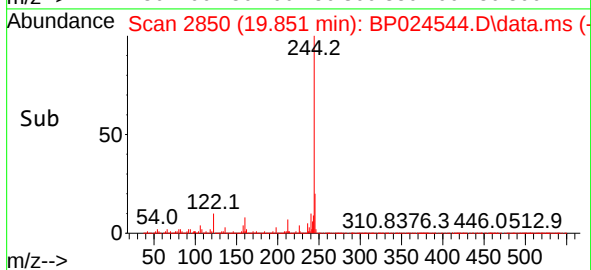
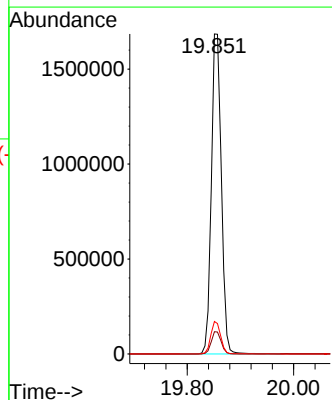
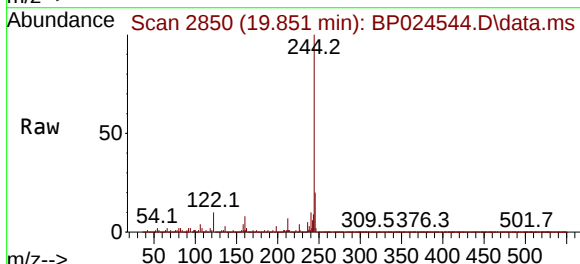
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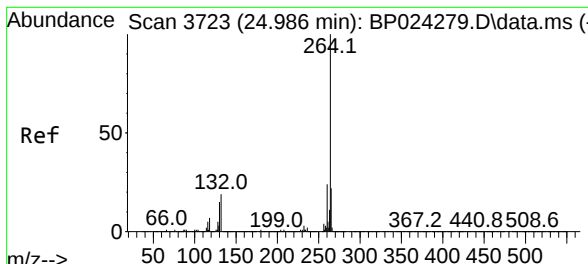
Tgt Ion:240 Resp: 816125
Ion Ratio Lower Upper
240 100
120 10.1 9.8 14.8
236 25.8 20.9 31.3



#79
Terphenyl-d14
Concen: 54.178 ng
RT: 19.851 min Scan# 2850
Delta R.T. -0.023 min
Lab File: BP024544.D
Acq: 06 May 2025 13:03

Tgt Ion:244 Resp: 2193639
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.1 9.4 14.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.910 min Scan# 31
 Delta R.T. -0.023 min
 Lab File: BP024544.D
 Acq: 06 May 2025 13:03

Instrument :
 BNA_P
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Tgt Ion:264 Resp: 949984
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.9 17.8 26.6

