

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050625\
 Data File : BP024545.D
 Acq On : 06 May 2025 13:44
 Operator : RC/JU
 Sample : Q1936-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SMALL-PILE-A

Quant Time: May 06 14:04:51 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)

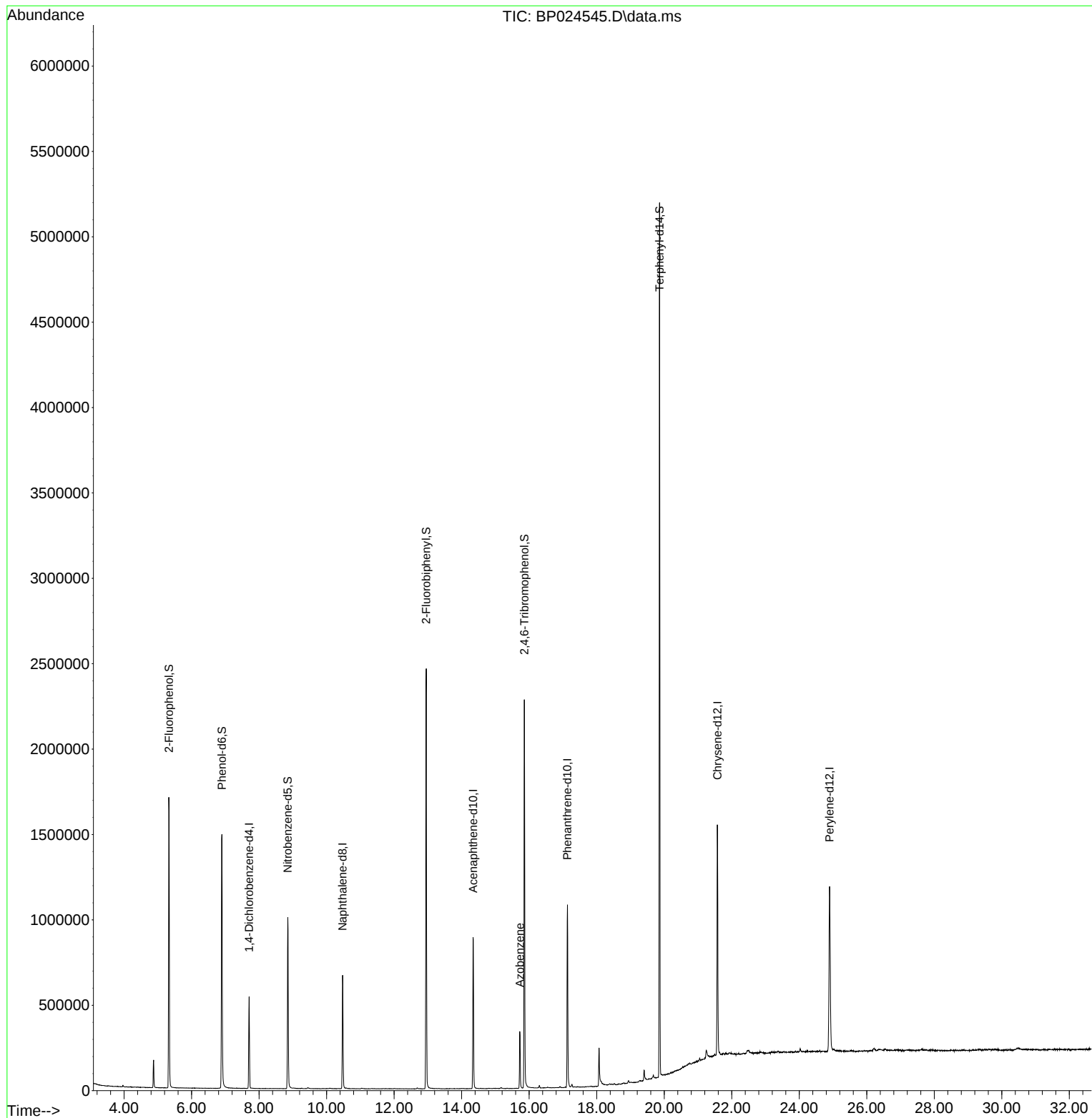
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	143732	20.000	ng	-0.02
21) Naphthalene-d8	10.475	136	558316	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	331692	20.000	ng	-0.01
64) Phenanthrene-d10	17.134	188	664016	20.000	ng	#-0.01
76) Chrysene-d12	21.575	240	807532	20.000	ng	-0.02
86) Perylene-d12	24.898	264	971475	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	778404	89.546	ng	-0.02
7) Phenol-d6	6.899	99	964045	80.992	ng	-0.01
23) Nitrobenzene-d5	8.852	82	583439	59.587	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	471033	102.641	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1254373	57.903	ng	-0.01
79) Terphenyl-d14	19.863	244	2386422	59.566	ng	-0.01
Target Compounds						
63) Azobenzene	15.722	77	103666	4.537	ng	Qvalue # 1

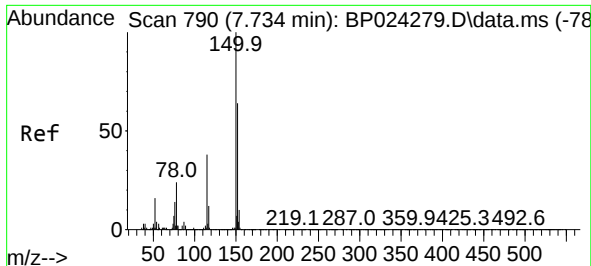
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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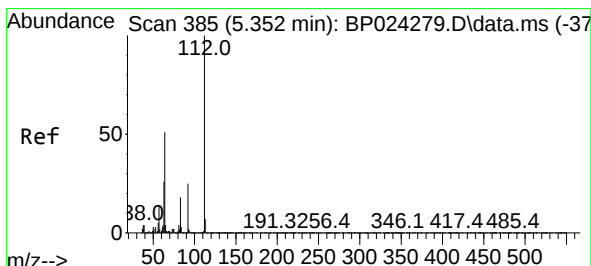
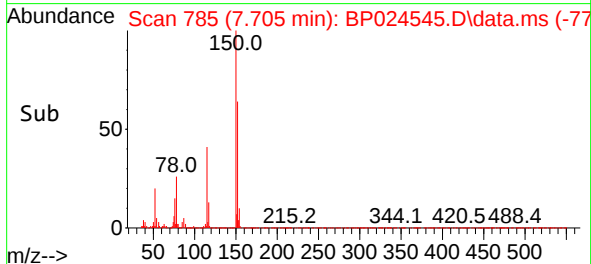
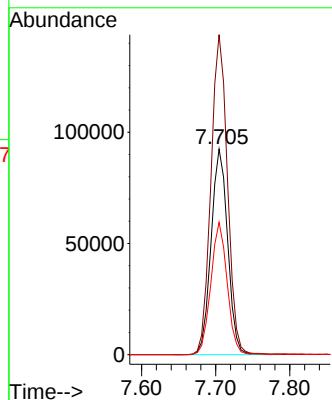
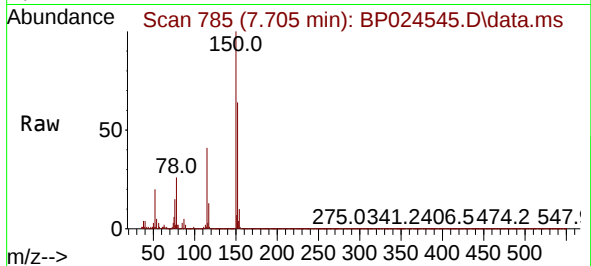




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024545.D
Acq: 06 May 2025 13:44

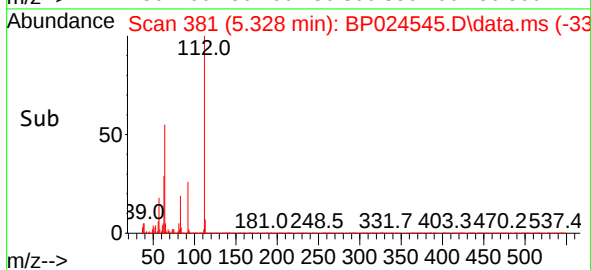
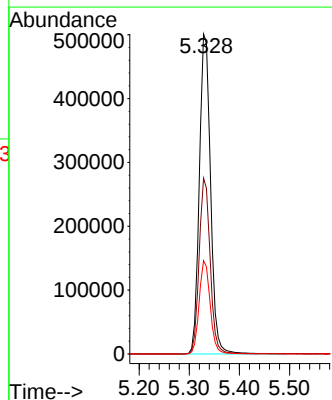
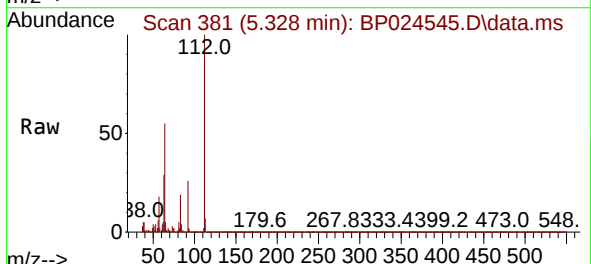
Instrument :
BNA_P
ClientSampleId :
SMALL-PILE-A

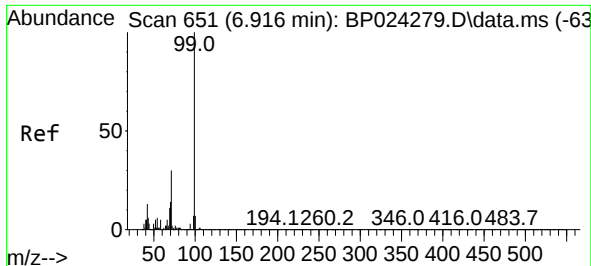
Tgt Ion:152 Resp: 143732
Ion Ratio Lower Upper
152 100
150 155.6 124.9 187.3
115 64.4 47.7 71.5



#5
2-Fluorophenol
Concen: 89.546 ng
RT: 5.328 min Scan# 381
Delta R.T. -0.018 min
Lab File: BP024545.D
Acq: 06 May 2025 13:44

Tgt Ion:112 Resp: 778404
Ion Ratio Lower Upper
112 100
64 55.0 41.1 61.7
63 29.2 20.6 30.8





#7

Phenol-d6

Concen: 80.992 ng

RT: 6.899 min Scan# 64

Delta R.T. -0.012 min

Lab File: BP024545.D

Acq: 06 May 2025 13:44

Instrument :

BNA_P

ClientSampleId :

SMALL-PILE-A

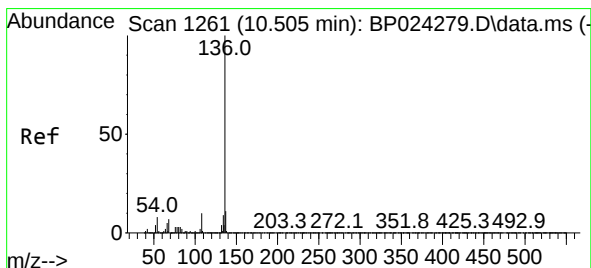
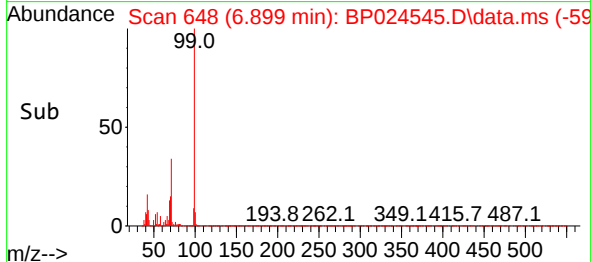
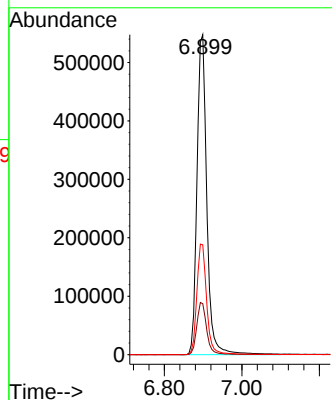
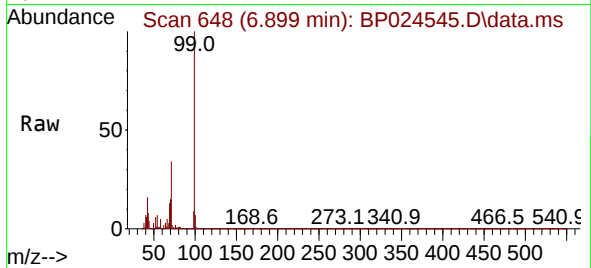
Tgt Ion: 99 Resp: 964045

Ion Ratio Lower Upper

99 100

42 16.0 10.6 16.0#

71 34.3 23.7 35.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.475 min Scan# 1256

Delta R.T. -0.023 min

Lab File: BP024545.D

Acq: 06 May 2025 13:44

Tgt Ion:136 Resp: 558316

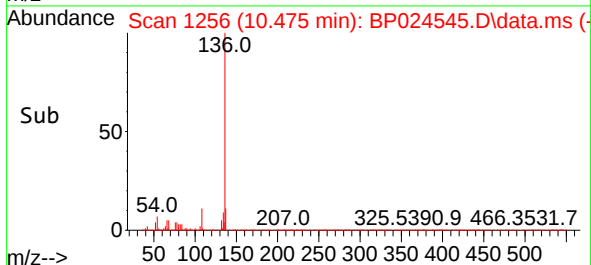
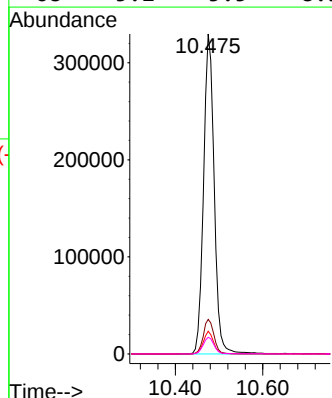
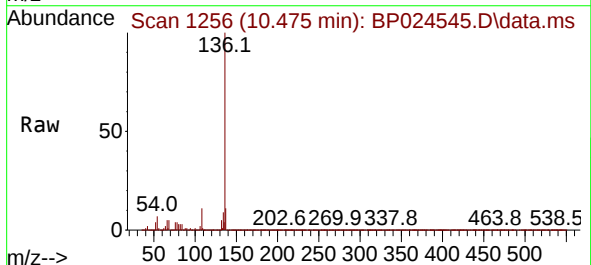
Ion Ratio Lower Upper

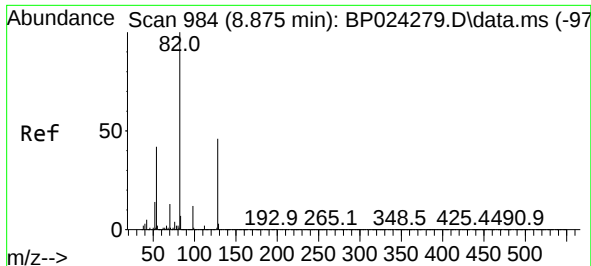
136 100

137 10.8 9.2 13.8

54 7.1 6.0 9.0

68 5.2 5.5 8.3#

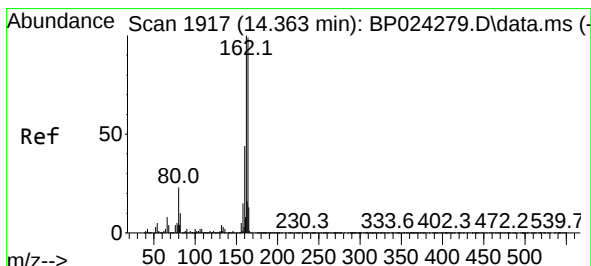
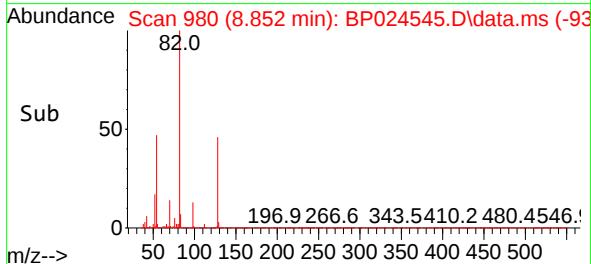
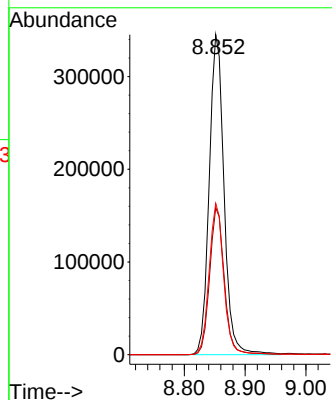
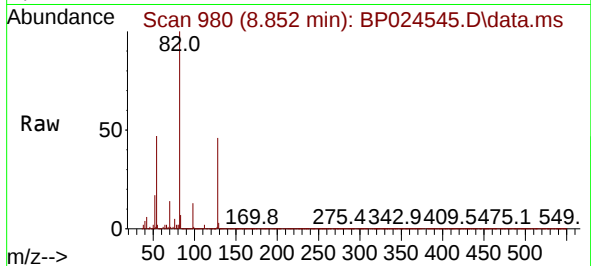




#23
Nitrobenzene-d5
Concen: 59.587 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024545.D
Acq: 06 May 2025 13:44

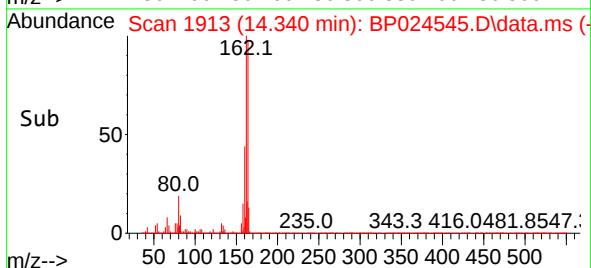
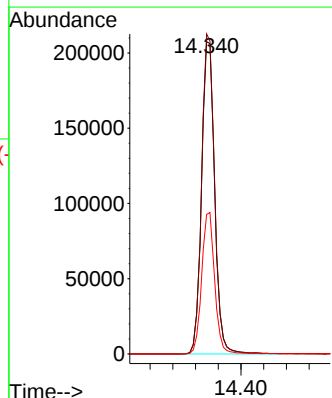
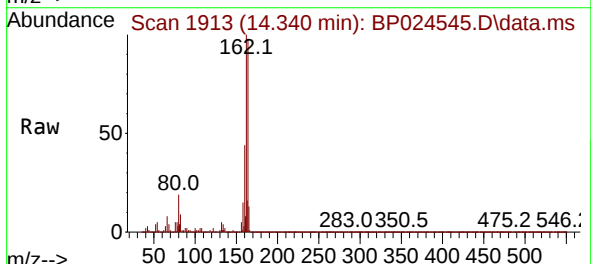
Instrument :
BNA_P
ClientSampleId :
SMALL-PILE-A

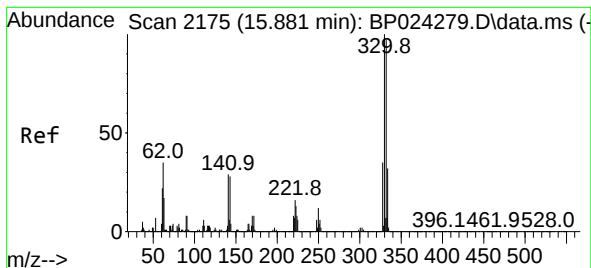
Tgt Ion: 82 Resp: 583439
Ion Ratio Lower Upper
82 100
128 45.9 36.5 54.7
54 47.3 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024545.D
Acq: 06 May 2025 13:44

Tgt Ion: 164 Resp: 331692
Ion Ratio Lower Upper
164 100
162 102.5 80.6 120.8
160 44.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 102.641 ng

RT: 15.857 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BP024545.D

Acq: 06 May 2025 13:44

Instrument :

BNA_P

ClientSampleId :

SMALL-PILE-A

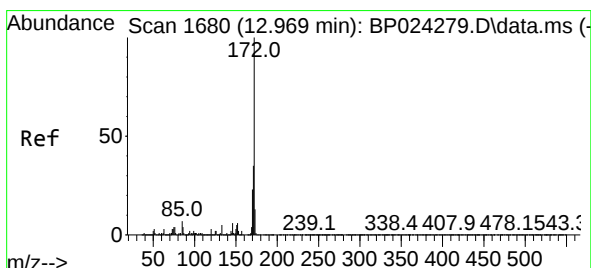
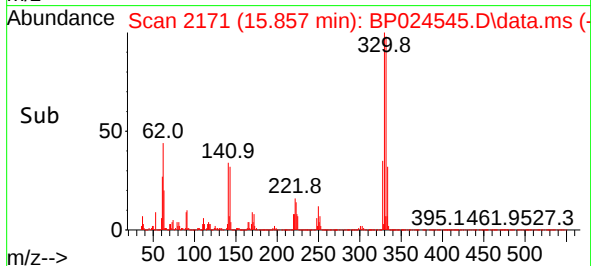
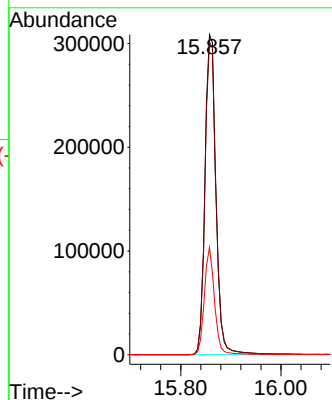
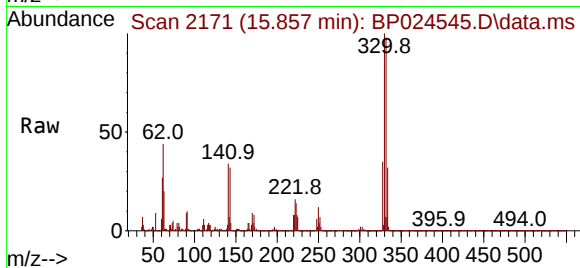
Tgt Ion:330 Resp: 471033

Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

141 31.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 57.903 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024545.D

Acq: 06 May 2025 13:44

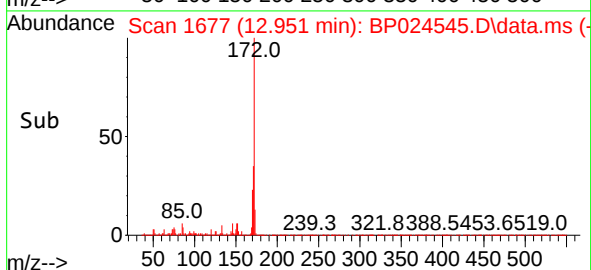
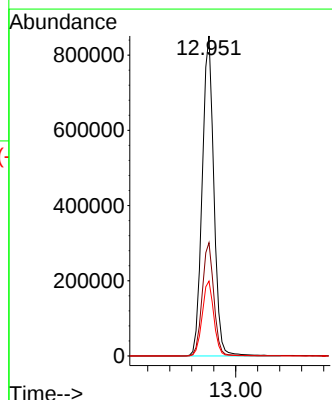
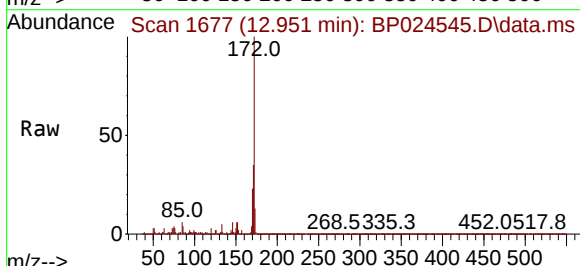
Tgt Ion:172 Resp: 1254373

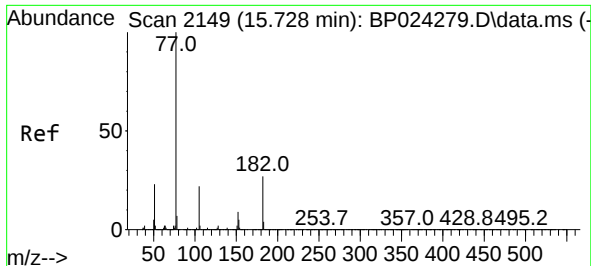
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.4 18.6 27.8

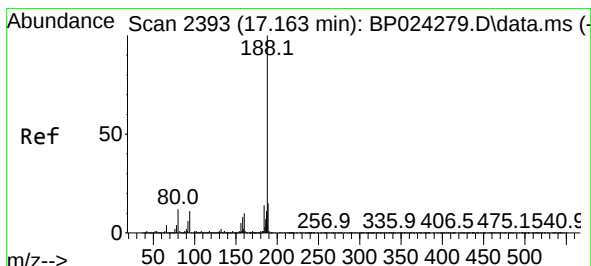
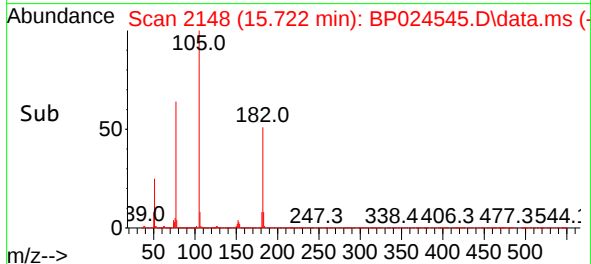
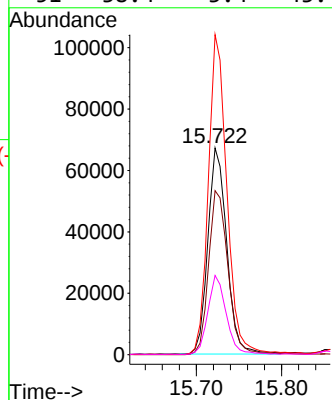
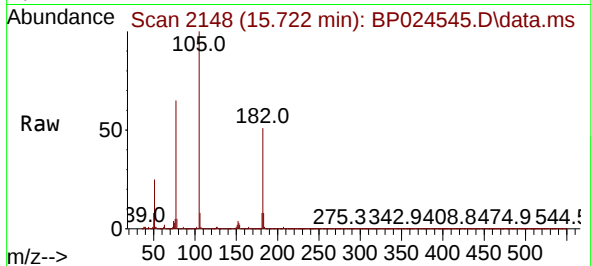




#63
Azobenzene
Concen: 4.537 ng
RT: 15.722 min Scan# 2149
Delta R.T. 0.012 min
Lab File: BP024545.D
Acq: 06 May 2025 13:44

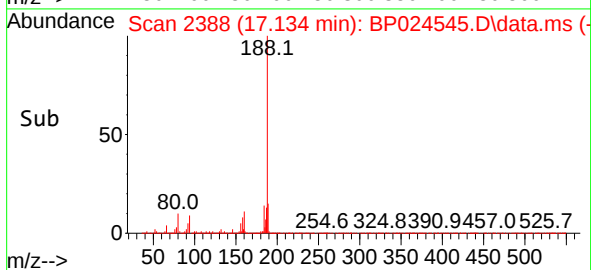
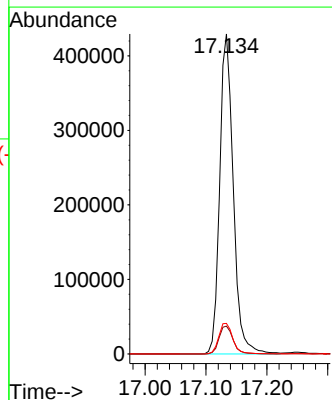
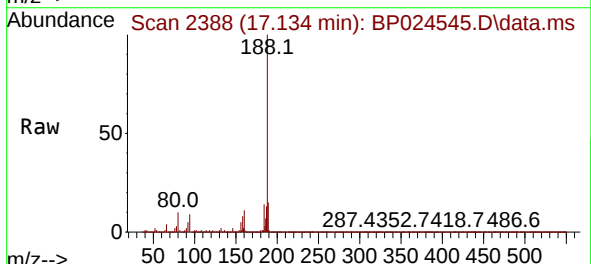
Instrument :
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ClientSampleId :
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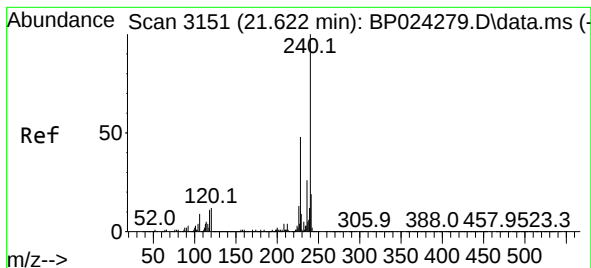
Tgt Ion: 77	Resp: 103666
Ion Ratio	Lower Upper
77 100	
182 79.3	7.3 47.3#
105 154.8	2.3 42.3#
51 38.4	3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.134 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024545.D
Acq: 06 May 2025 13:44

Tgt Ion: 188	Resp: 664016
Ion Ratio	Lower Upper
188 100	
94 8.7	8.6 13.0
80 9.6	9.8 14.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.575 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024545.D

Acq: 06 May 2025 13:44

Instrument :

BNA_P

ClientSampleId :

SMALL-PILE-A

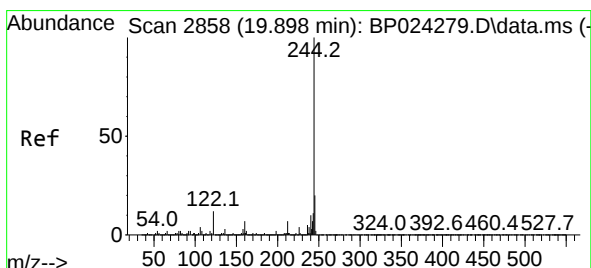
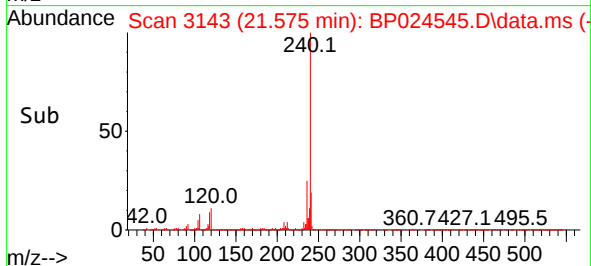
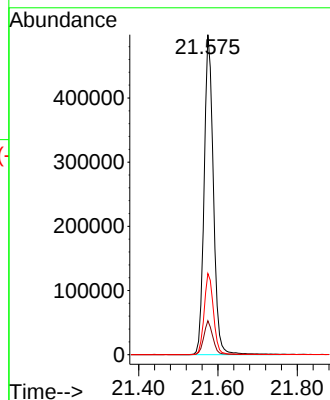
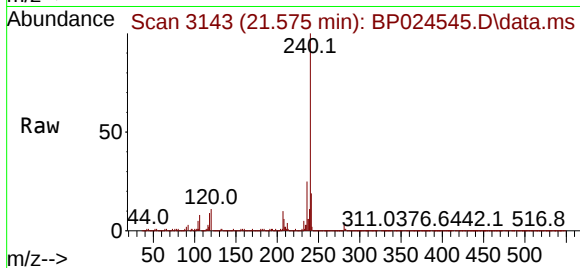
Tgt Ion:240 Resp: 807532

Ion Ratio Lower Upper

240 100

120 10.6 9.8 14.8

236 25.3 20.9 31.3



#79

Terphenyl-d14

Concen: 59.566 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.012 min

Lab File: BP024545.D

Acq: 06 May 2025 13:44

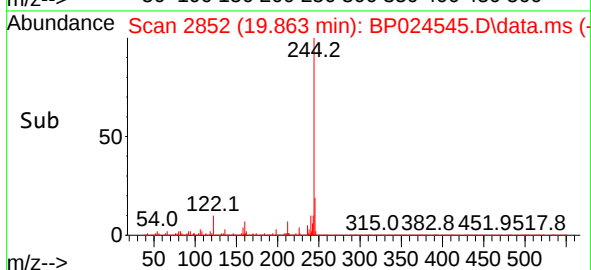
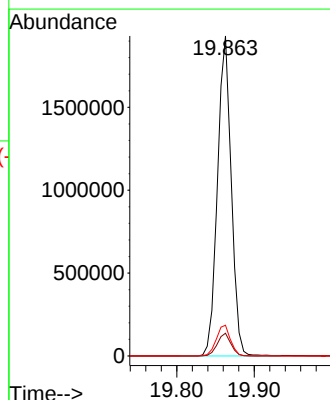
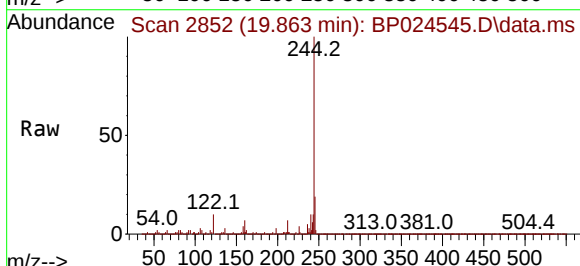
Tgt Ion:244 Resp: 2386422

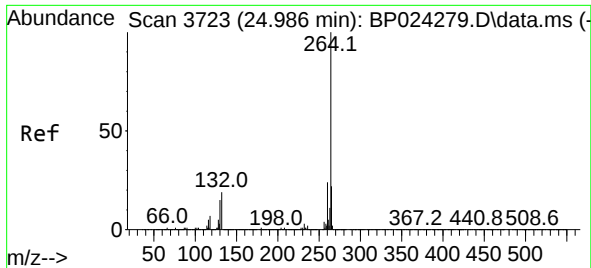
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.6 9.4 14.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.898 min Scan# 31
 Delta R.T. -0.035 min
 Lab File: BP024545.D
 Acq: 06 May 2025 13:44

Instrument :
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Tgt Ion:264 Resp: 971475
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 22.3 17.8 26.6

