

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
 Data File : BP024315.D
 Acq On : 16 Apr 2025 17:16
 Operator : RC/JU
 Sample : Q1791-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 280722

Quant Time: Apr 16 17:51:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

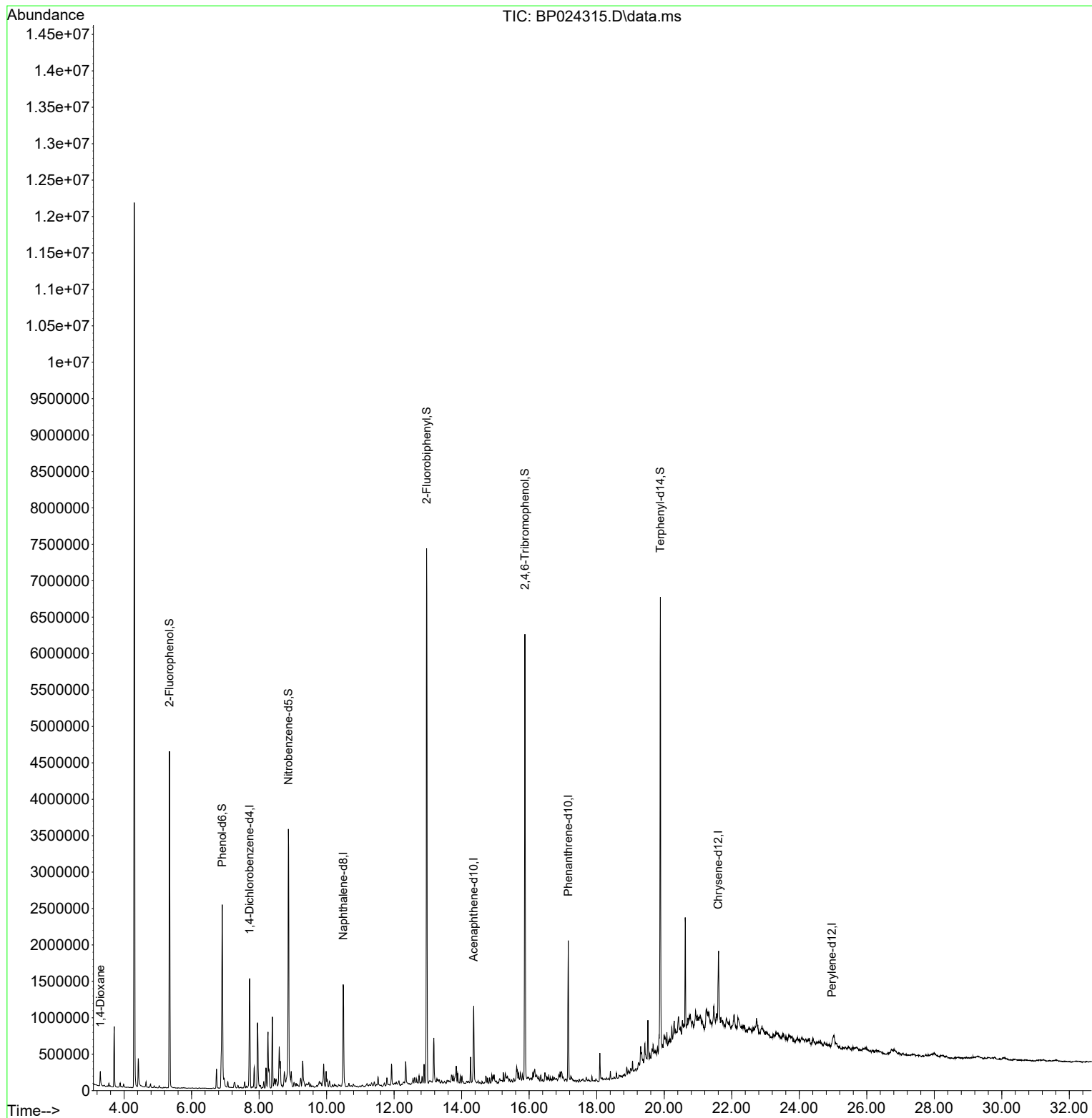
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	320348	20.000	ng	0.00
21) Naphthalene-d8	10.493	136	1235794	20.000	ng	-0.01
39) Acenaphthene-d10	14.357	164	284023	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	990358	20.000	ng	-0.02
76) Chrysene-d12	21.604	240	390047	20.000	ng	-0.02
86) Perylene-d12	24.968	264	23749	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2091295	107.941	ng	0.00
7) Phenol-d6	6.905	99	1235518	46.572	ng	-0.01
23) Nitrobenzene-d5	8.869	82	2019937	93.203	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	1229665	312.923	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	3739062	201.565	ng	-0.02
79) Terphenyl-d14	19.886	244	2790600	144.209	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.299	88	139303	16.999	ng	Qvalue 96

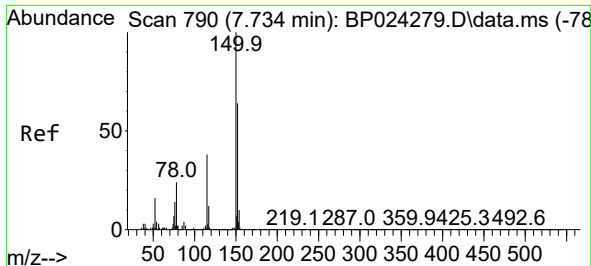
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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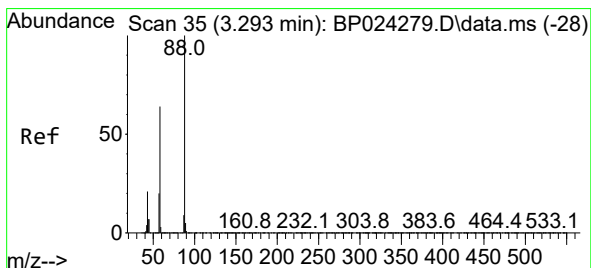
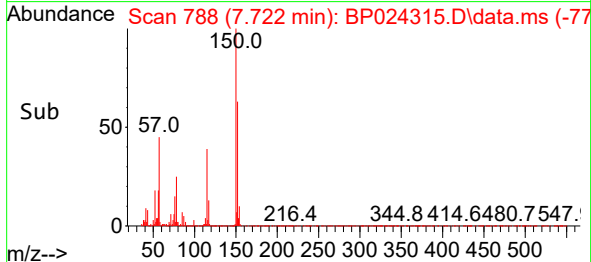
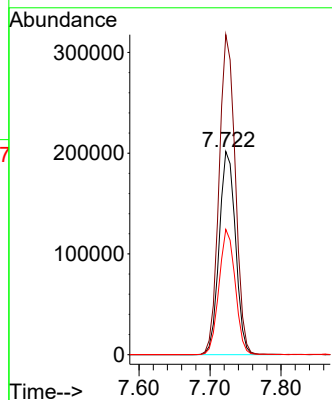
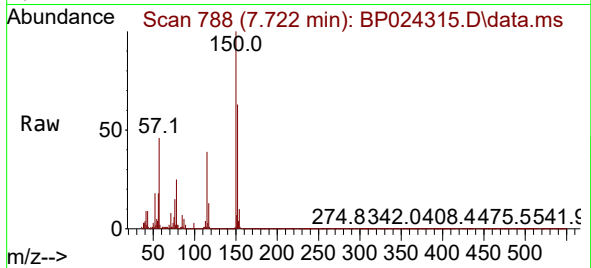




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.722 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP024315.D
 Acq: 16 Apr 2025 17:16

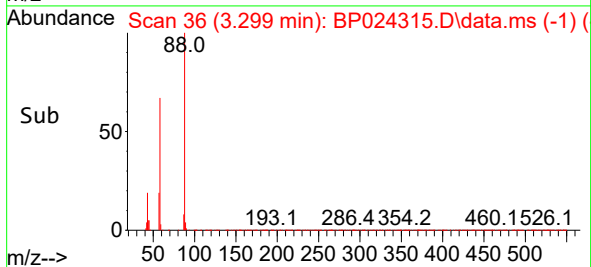
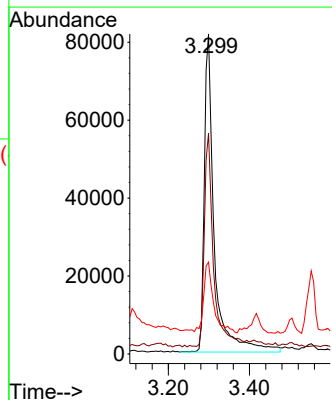
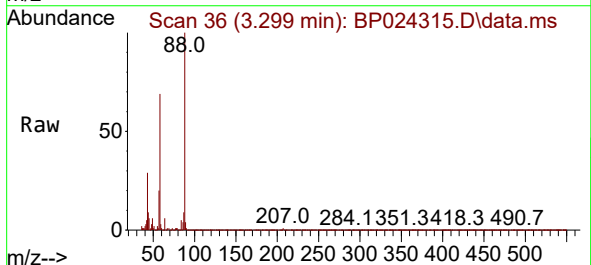
Instrument :
 BNA_P
 ClientSampleId :
 280722

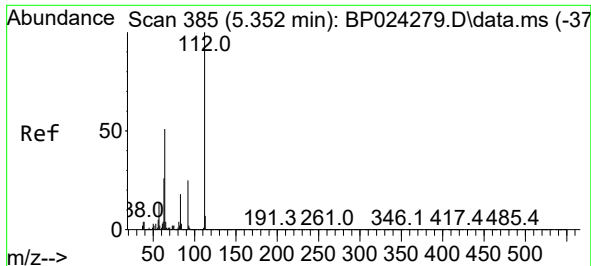
Tgt Ion:152 Resp: 320348
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.9 187.3
 115 61.7 47.7 71.5



#2
 1,4-Dioxane
 Concen: 16.999 ng
 RT: 3.299 min Scan# 36
 Delta R.T. 0.006 min
 Lab File: BP024315.D
 Acq: 16 Apr 2025 17:16

Tgt Ion: 88 Resp: 139303
 Ion Ratio Lower Upper
 88 100
 58 60.7 51.4 77.2
 43 22.1 17.1 25.7

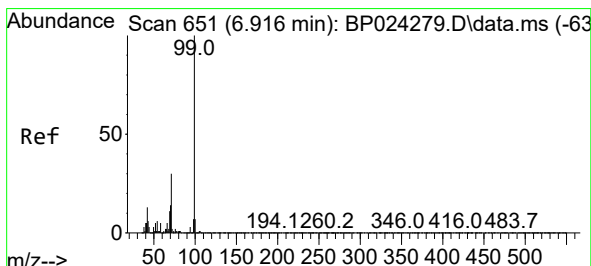
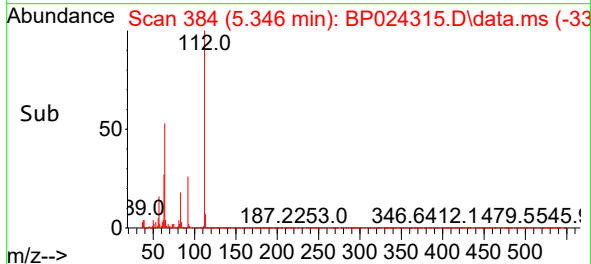
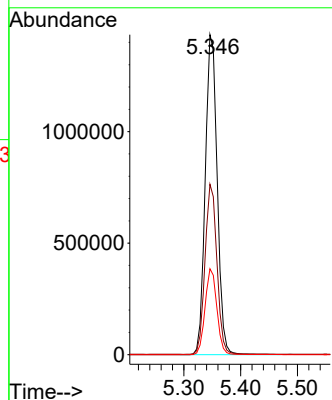
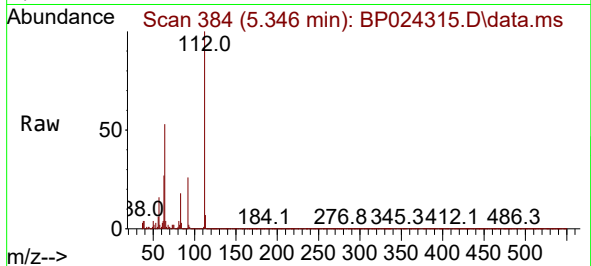




#5
2-Fluorophenol
Concen: 107.941 ng
RT: 5.346 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024315.D
Acq: 16 Apr 2025 17:16

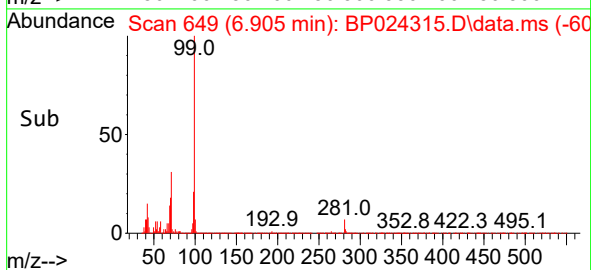
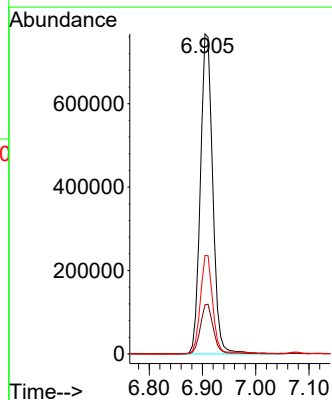
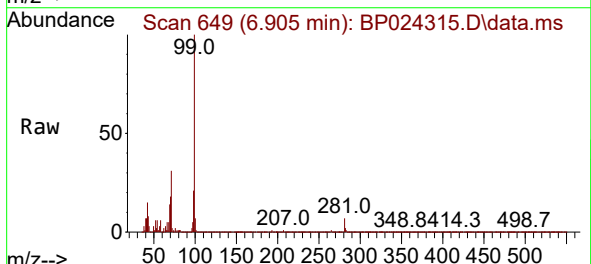
Instrument :
BNA_P
ClientSampleId :
280722

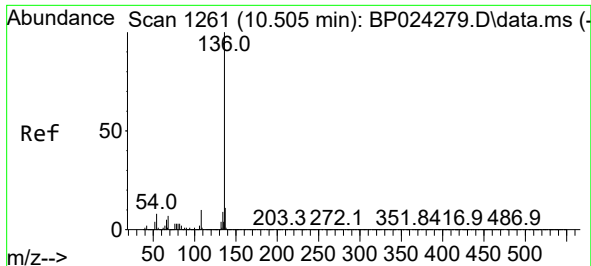
Tgt Ion:112 Resp: 2091295
Ion Ratio Lower Upper
112 100
64 53.2 41.1 61.7
63 26.8 20.6 30.8



#7
Phenol-d6
Concen: 46.572 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.011 min
Lab File: BP024315.D
Acq: 16 Apr 2025 17:16

Tgt Ion: 99 Resp: 1235518
Ion Ratio Lower Upper
99 100
42 15.4 10.6 16.0
71 30.8 23.7 35.5

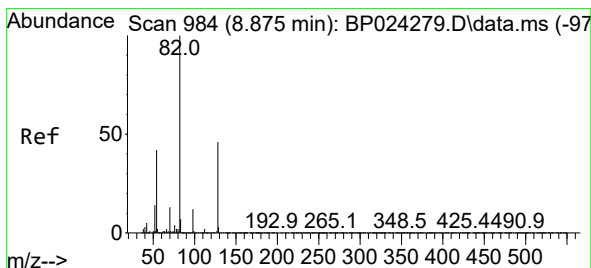
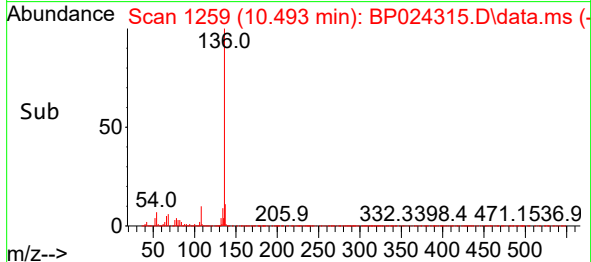
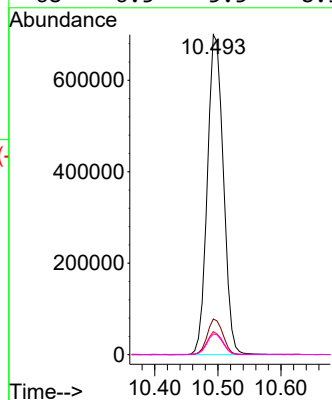
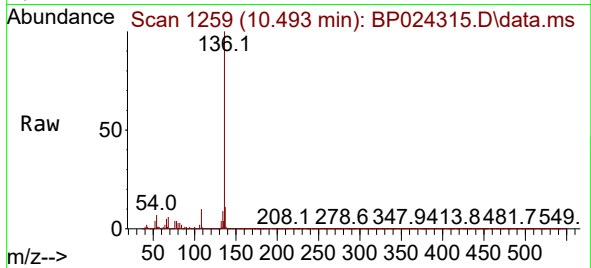




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.493 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024315.D
Acq: 16 Apr 2025 17:16

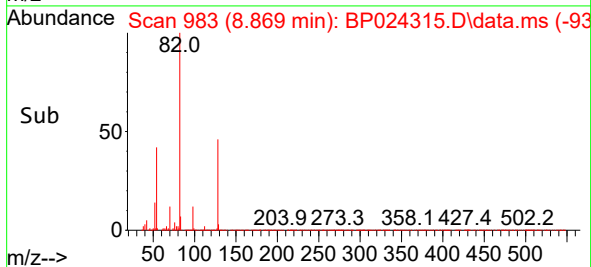
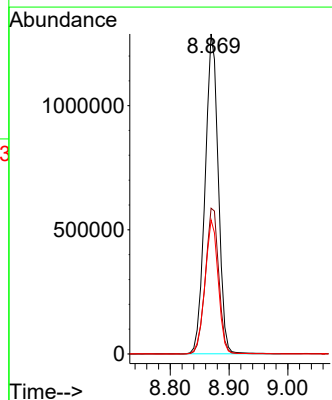
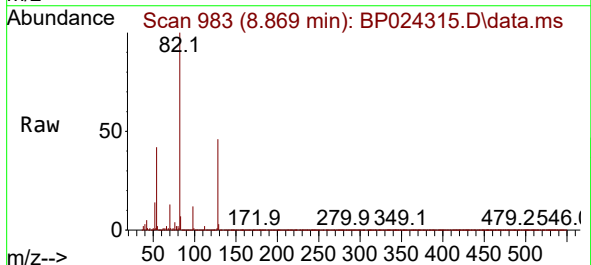
Instrument :
BNA_P
ClientSampleId :
280722

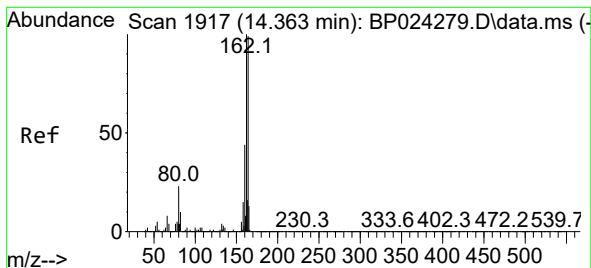
Tgt Ion:136 Resp: 1235794
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 7.2 6.0 9.0
68 6.5 5.5 8.3



#23
Nitrobenzene-d5
Concen: 93.203 ng
RT: 8.869 min Scan# 983
Delta R.T. -0.012 min
Lab File: BP024315.D
Acq: 16 Apr 2025 17:16

Tgt Ion: 82 Resp: 2019937
Ion Ratio Lower Upper
82 100
128 45.6 36.5 54.7
54 41.9 33.4 50.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.357 min Scan# 1916

Delta R.T. -0.012 min

Lab File: BP024315.D

Acq: 16 Apr 2025 17:16

Instrument :

BNA_P

ClientSampleId :

280722

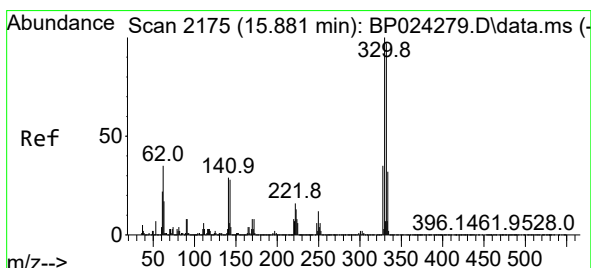
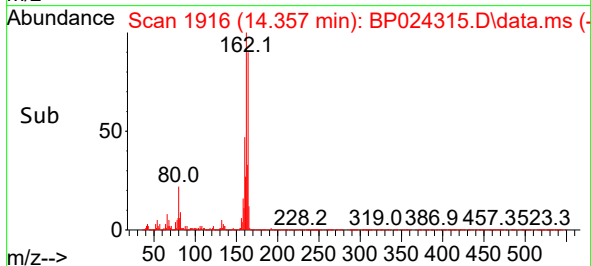
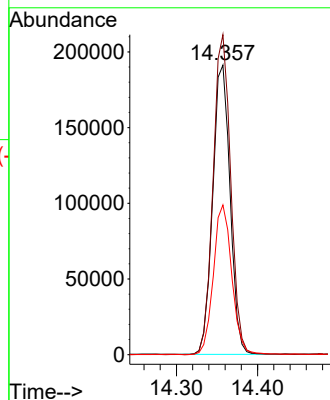
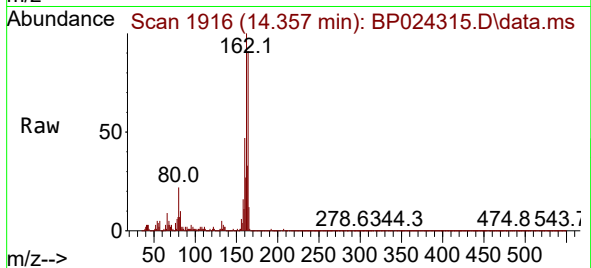
Tgt Ion:164 Resp: 284023

Ion Ratio Lower Upper

164 100

162 110.5 80.6 120.8

160 51.7 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 312.923 ng

RT: 15.875 min Scan# 2174

Delta R.T. -0.018 min

Lab File: BP024315.D

Acq: 16 Apr 2025 17:16

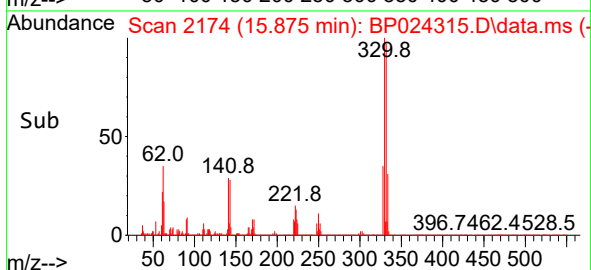
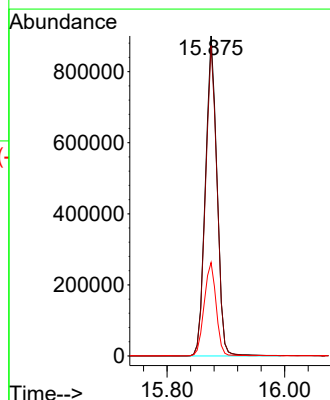
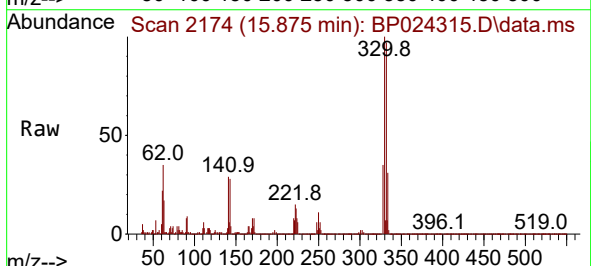
Tgt Ion:330 Resp: 1229665

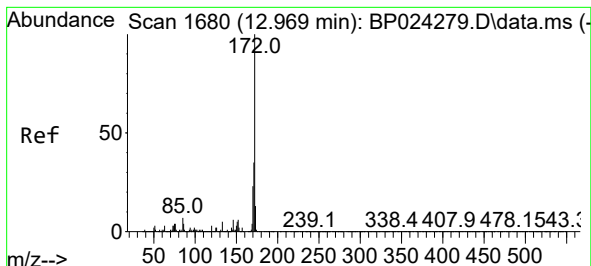
Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 30.0 24.7 37.1

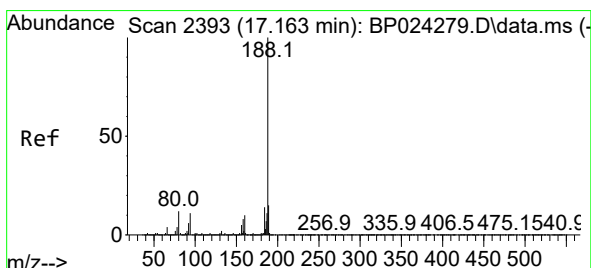
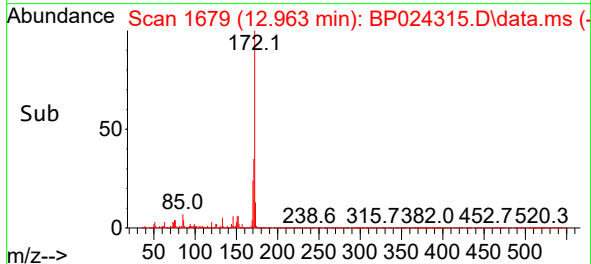
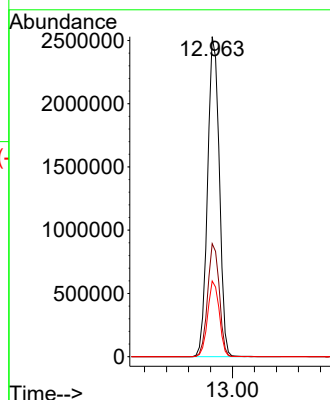
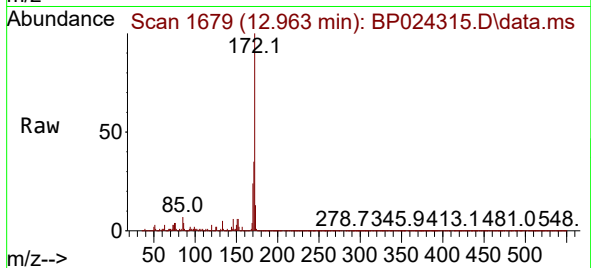




#45
2-Fluorobiphenyl
Concen: 201.565 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.018 min
Lab File: BP024315.D
Acq: 16 Apr 2025 17:16

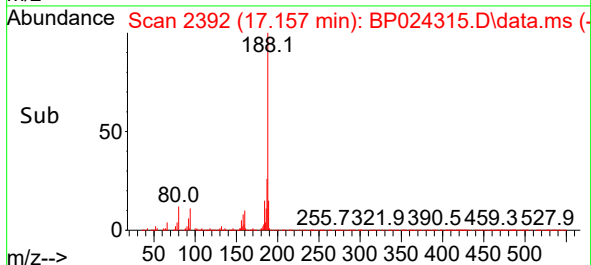
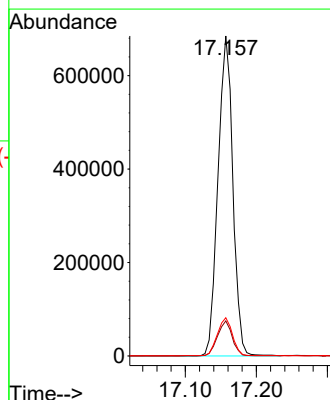
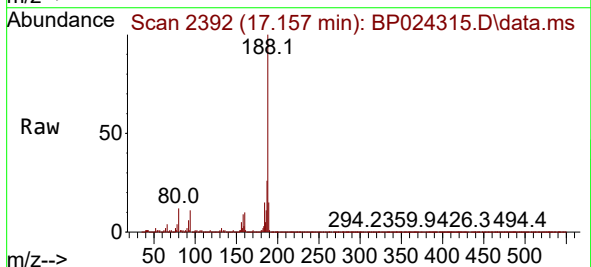
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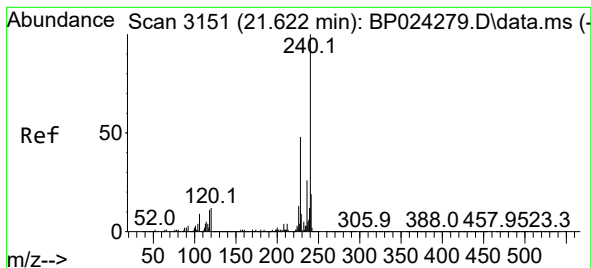
Tgt Ion:172 Resp: 3739062
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.6 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.023 min
Lab File: BP024315.D
Acq: 16 Apr 2025 17:16

Tgt Ion:188 Resp: 990358
Ion Ratio Lower Upper
188 100
94 10.9 8.6 13.0
80 12.0 9.8 14.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.604 min Scan# 3151

Delta R.T. -0.018 min

Lab File: BP024315.D

Acq: 16 Apr 2025 17:16

Instrument :

BNA_P

ClientSampleId :

280722

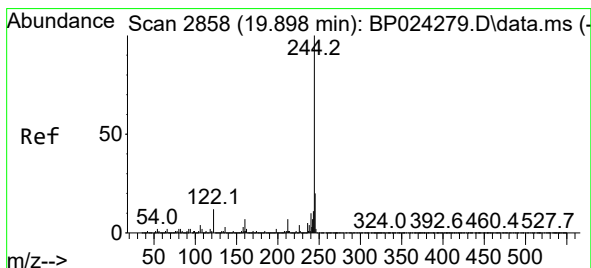
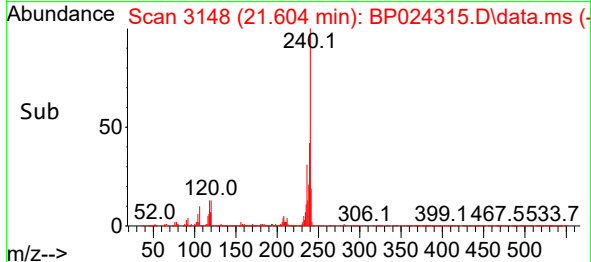
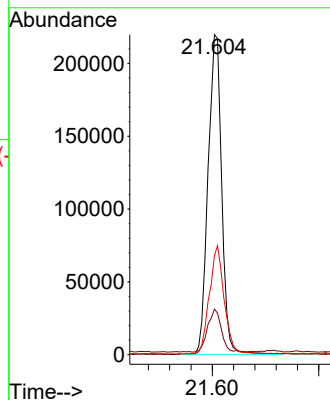
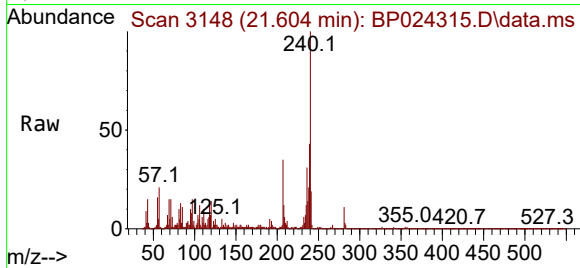
Tgt Ion:240 Resp: 390047

Ion Ratio Lower Upper

240 100

120 14.2 9.8 14.8

236 31.0 20.9 31.3



#79

Terphenyl-d14

Concen: 144.209 ng

RT: 19.886 min Scan# 2856

Delta R.T. -0.035 min

Lab File: BP024315.D

Acq: 16 Apr 2025 17:16

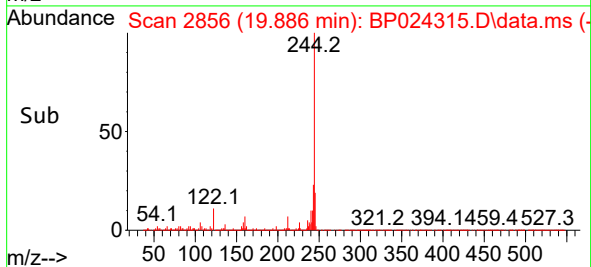
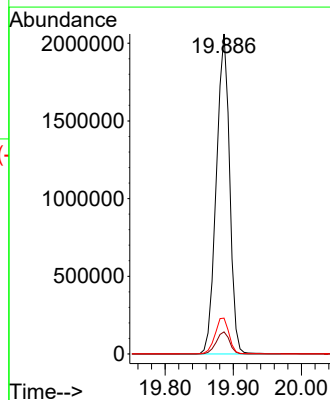
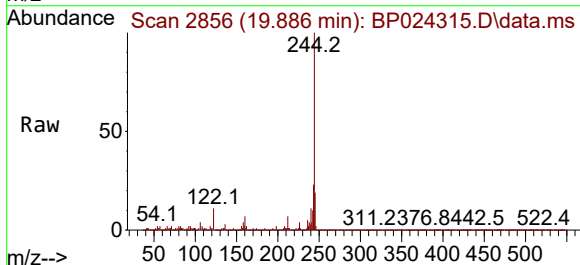
Tgt Ion:244 Resp: 2790600

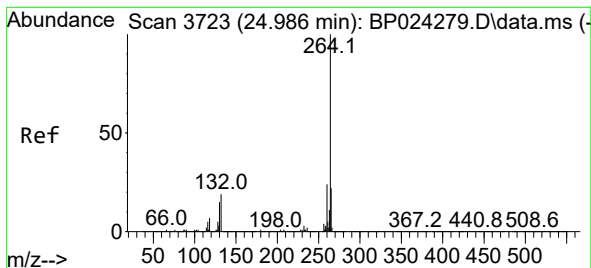
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 11.2 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.968 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024315.D

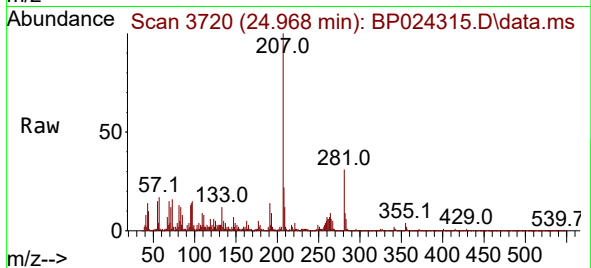
Acq: 16 Apr 2025 17:16

Instrument :

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Tgt Ion:264 Resp: 23749

Ion Ratio Lower Upper

264 100

260 73.8 18.9 28.3#

265 60.0 17.8 26.6#

