

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024637.D
 Acq On : 15 May 2025 14:38
 Operator : RC/JU
 Sample : Q2010-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-13

Quant Time: May 15 14:57:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

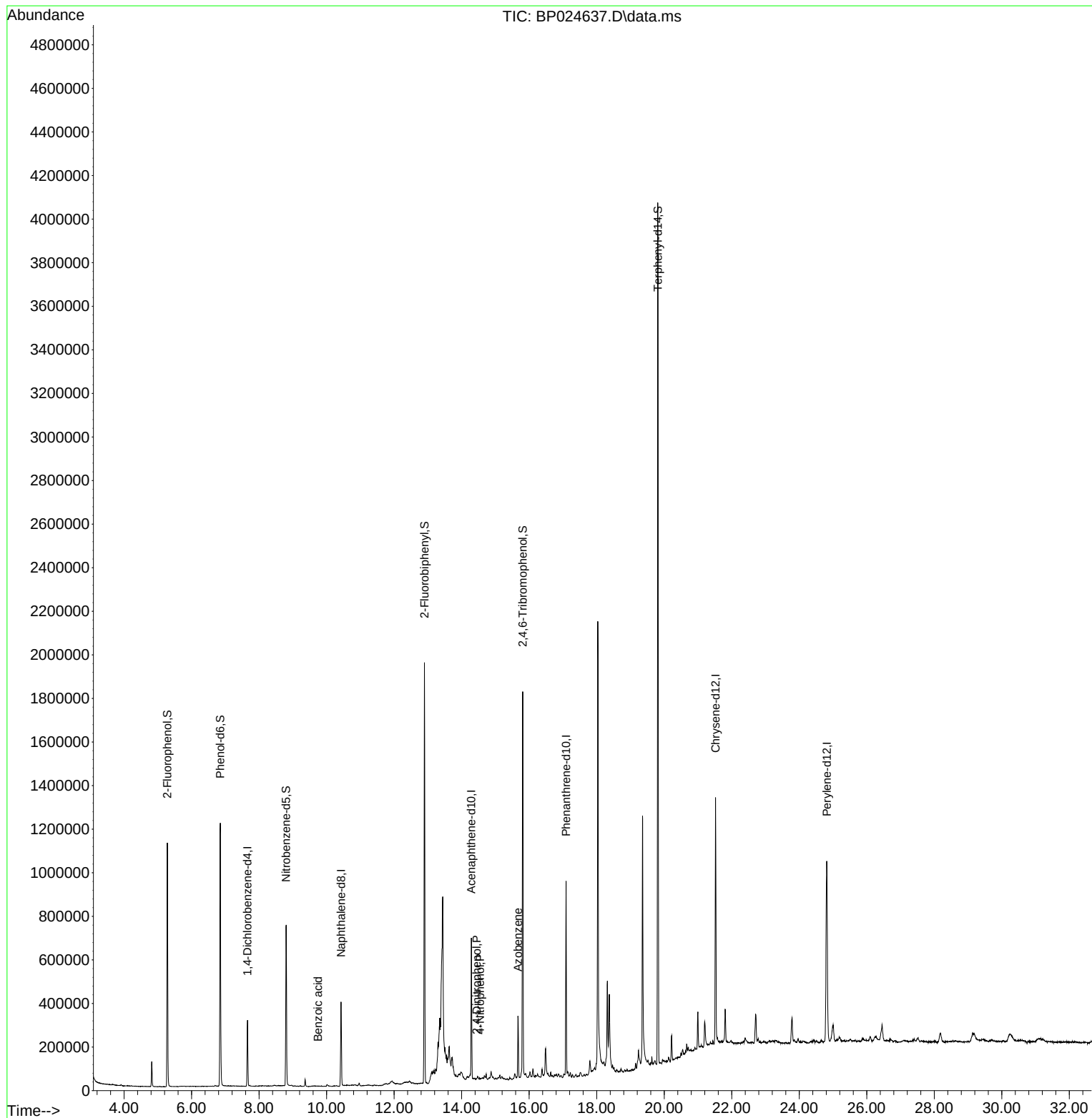
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	81567	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	326104	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	209284	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	462605	20.000	ng	0.00
76) Chrysene-d12	21.521	240	648338	20.000	ng	0.00
86) Perylene-d12	24.815	264	871428	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	507853	106.491	ng	0.00
7) Phenol-d6	6.852	99	706374	116.056	ng	0.00
23) Nitrobenzene-d5	8.799	82	426899	66.144	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	409334	115.371	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	965149	60.419	ng	0.00
79) Terphenyl-d14	19.810	244	2015741	53.311	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.746	122	179	7.513	ng	91
54) 2,4-Dinitrophenol	14.445	184	567	6.647	ng	# 91
56) 4-Nitrophenol	14.545	139	71	4.257	ng	# 44
63) Azobenzene	15.669	77	82377	5.973	ng	# 1

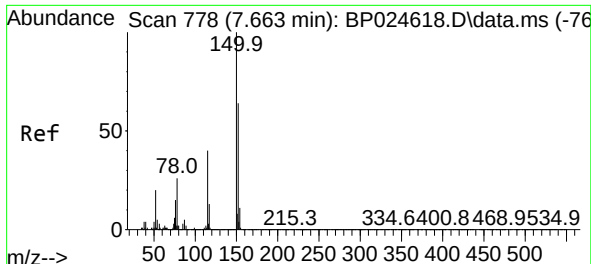
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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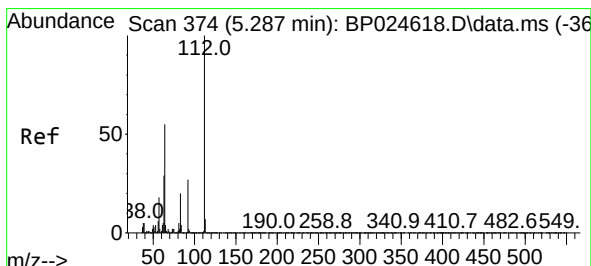
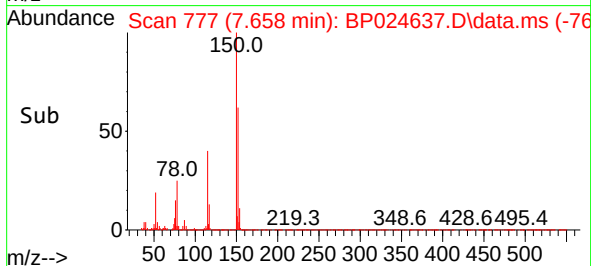
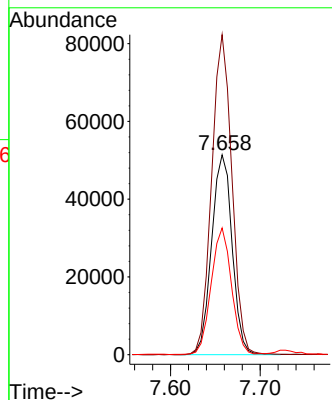
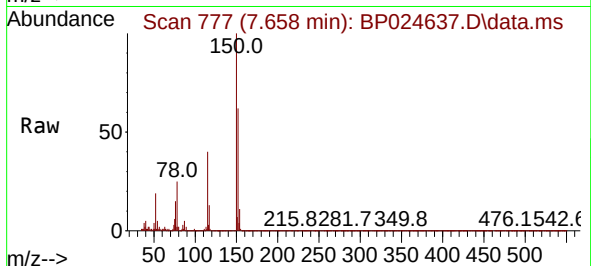




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

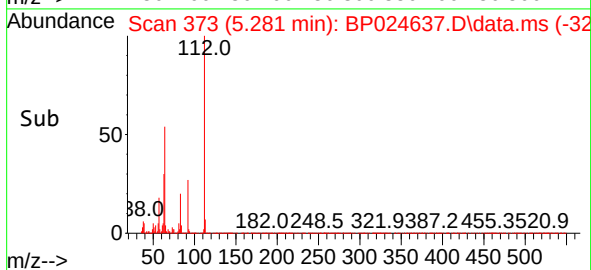
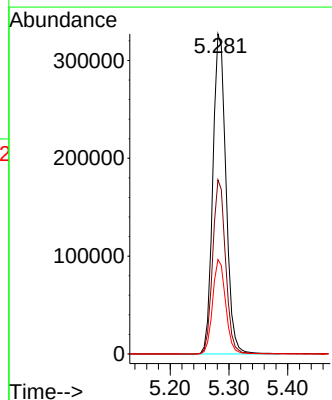
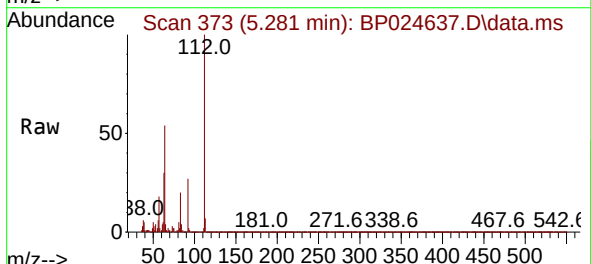
Instrument :
BNA_P
ClientSampleId :
TP-13

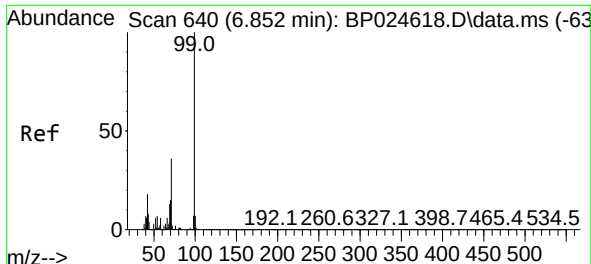
Tgt Ion:152 Resp: 81567
Ion Ratio Lower Upper
152 100
150 160.1 125.9 188.9
115 63.4 50.1 75.1



#5
2-Fluorophenol
Concen: 106.491 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:112 Resp: 507853
Ion Ratio Lower Upper
112 100
64 54.4 44.1 66.1
63 29.5 23.5 35.3

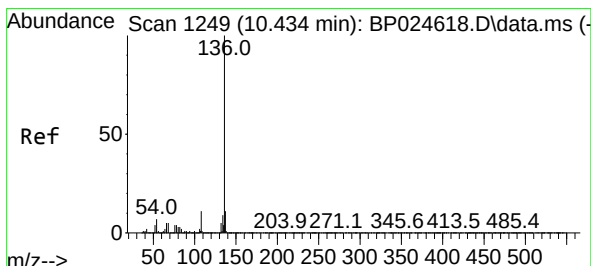
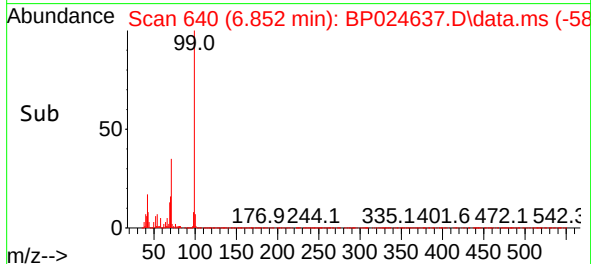
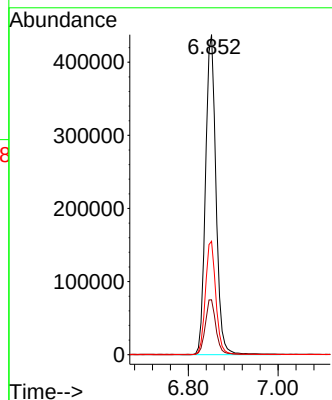
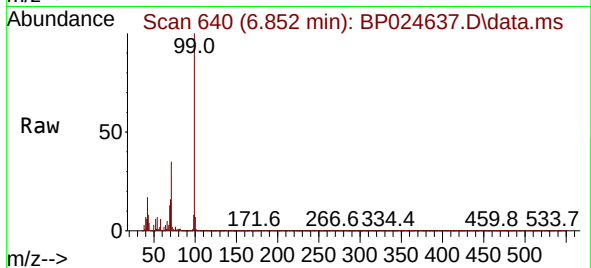




#7
Phenol-d6
Concen: 116.056 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

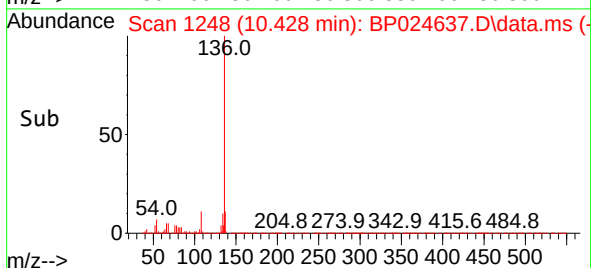
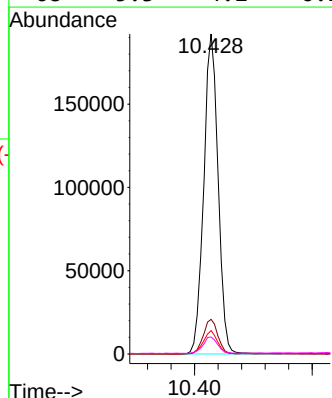
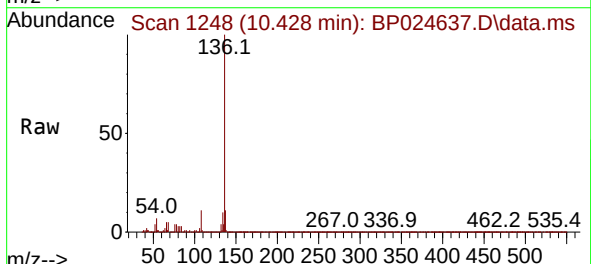
Instrument :
BNA_P
ClientSampleId :
TP-13

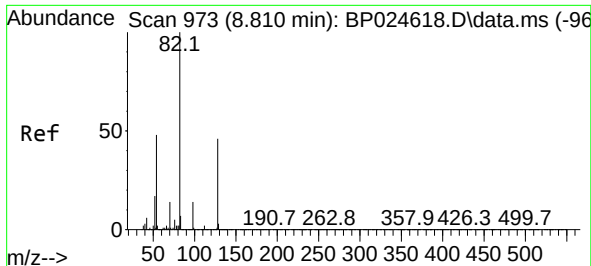
Tgt Ion: 99 Resp: 706374
Ion Ratio Lower Upper
99 100
42 17.2 14.4 21.6
71 35.5 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:136 Resp: 326104
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.3 5.5 8.3
68 5.3 4.2 6.2

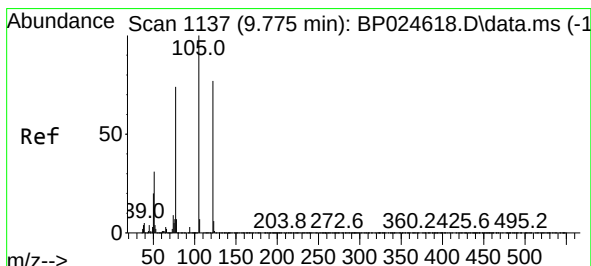
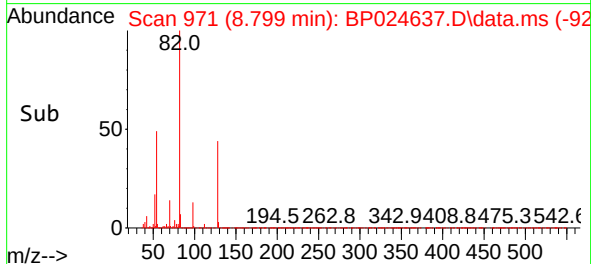
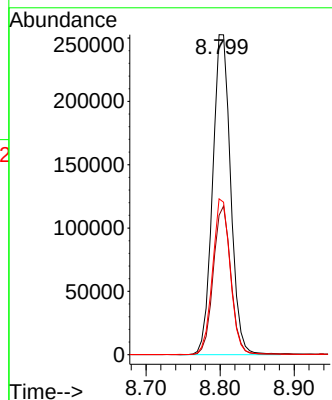
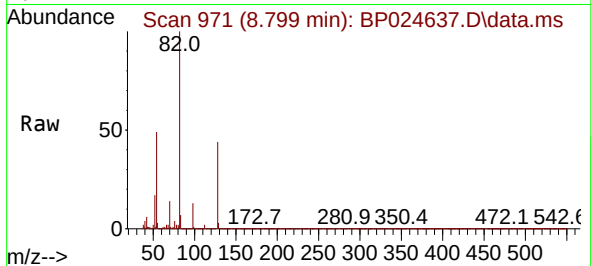




#23
Nitrobenzene-d5
Concen: 66.144 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

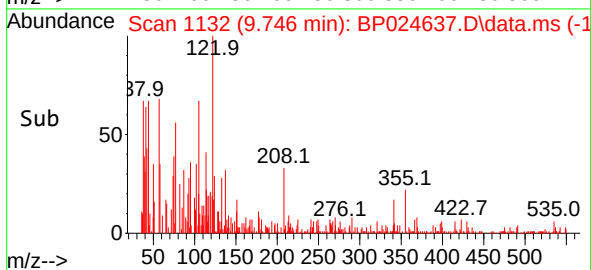
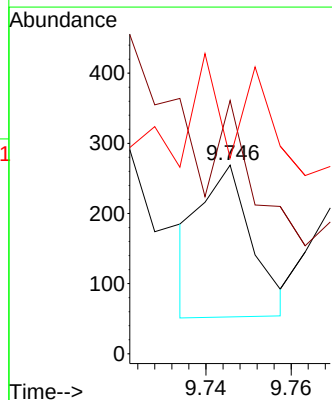
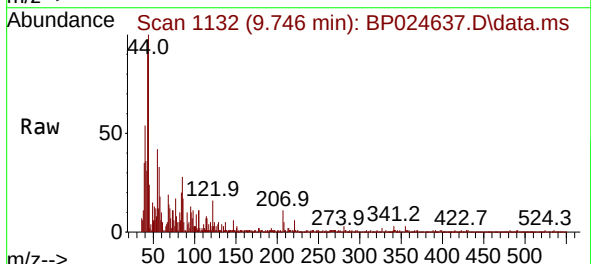
Instrument :
BNA_P
ClientSampleId :
TP-13

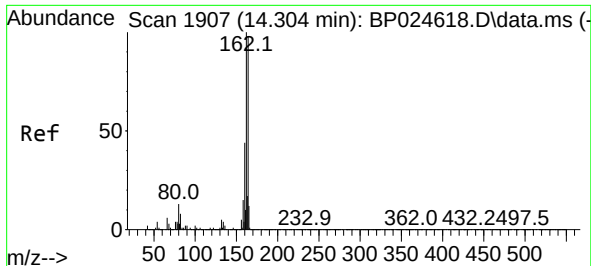
Tgt Ion: 82 Resp: 426899
Ion Ratio Lower Upper
82 100
128 43.5 37.0 55.4
54 48.7 38.7 58.1



#32
Benzoic acid
Concen: 7.513 ng
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion: 122 Resp: 179
Ion Ratio Lower Upper
122 100
105 115.0 106.9 146.9
77 88.9 75.1 115.1

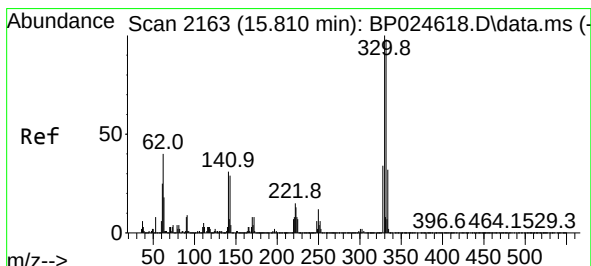
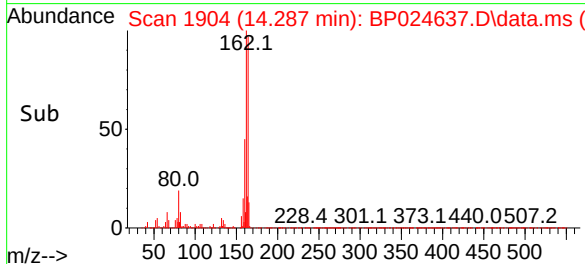
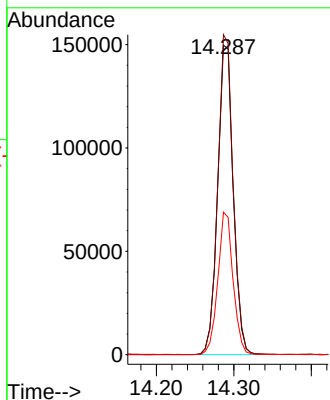
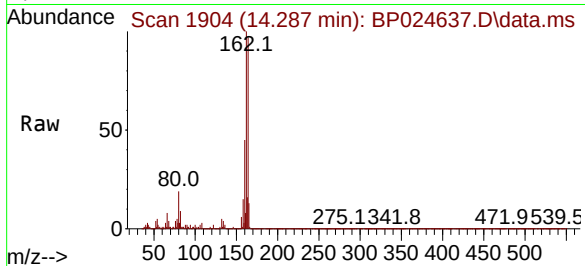




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

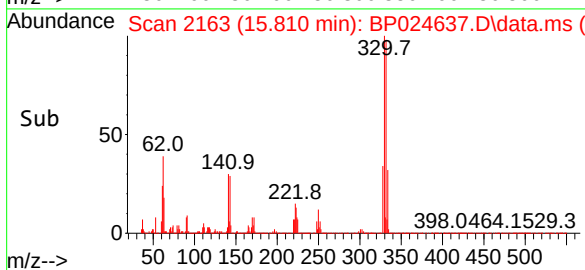
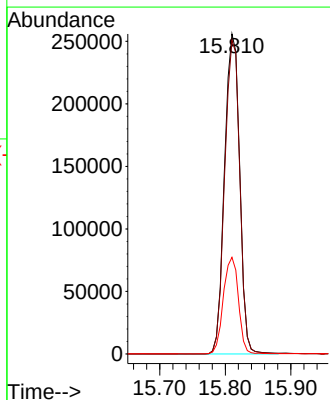
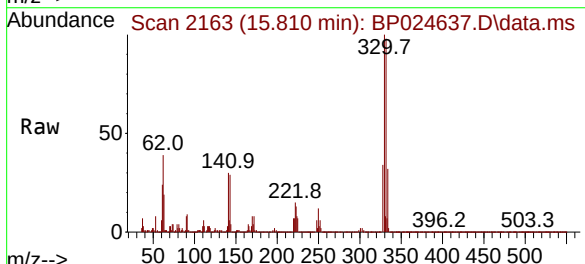
Instrument :
BNA_P
ClientSampleId :
TP-13

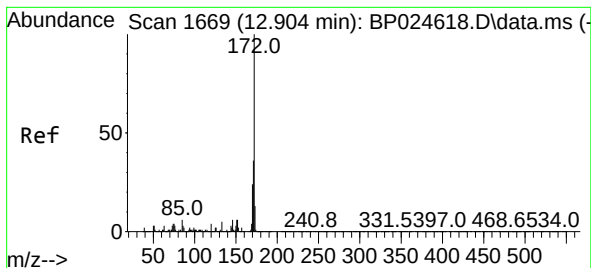
Tgt Ion:164 Resp: 209284
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 46.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 115.371 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion:330 Resp: 409334
Ion Ratio Lower Upper
330 100
332 97.8 78.2 117.4
141 30.0 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 60.419 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024637.D

Acq: 15 May 2025 14:38

Instrument :

BNA_P

ClientSampleId :

TP-13

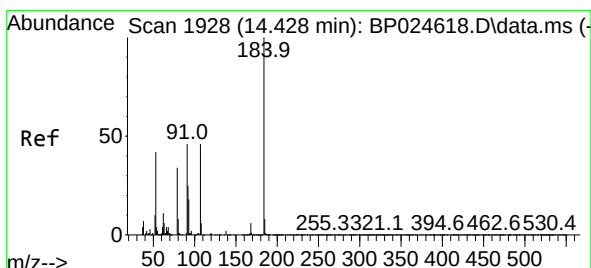
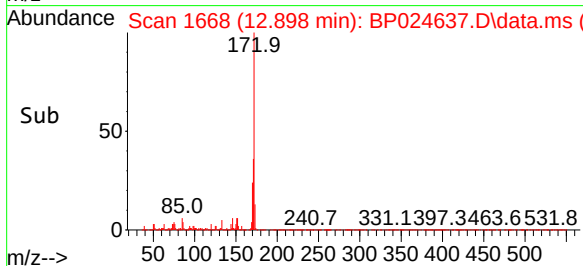
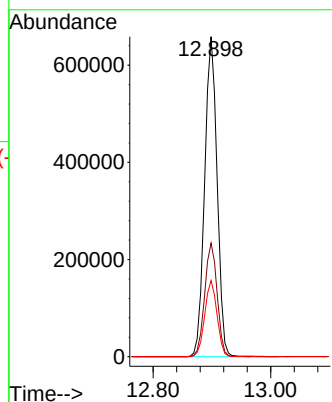
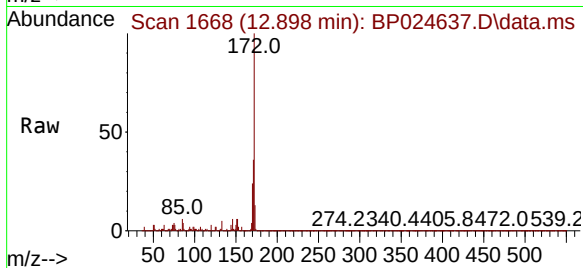
Tgt Ion:172 Resp: 965149

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.8 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.647 ng

RT: 14.445 min Scan# 1931

Delta R.T. 0.017 min

Lab File: BP024637.D

Acq: 15 May 2025 14:38

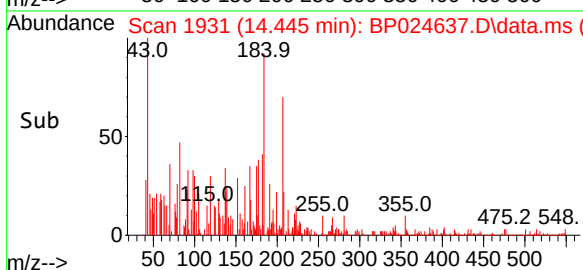
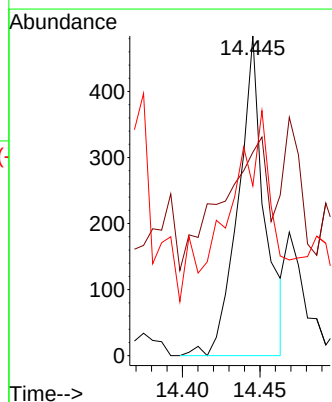
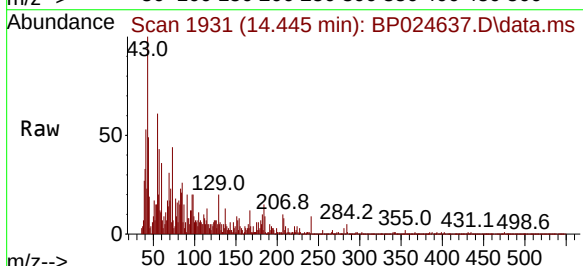
Tgt Ion:184 Resp: 567

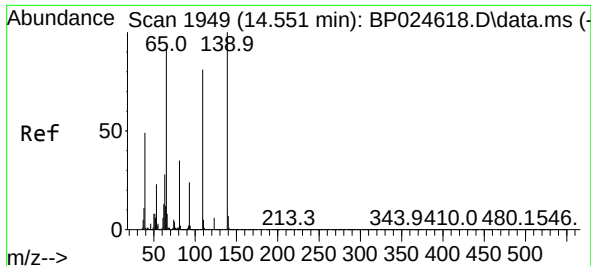
Ion Ratio Lower Upper

184 100

63 63.6 51.3 76.9

154 53.1 53.5 80.3#

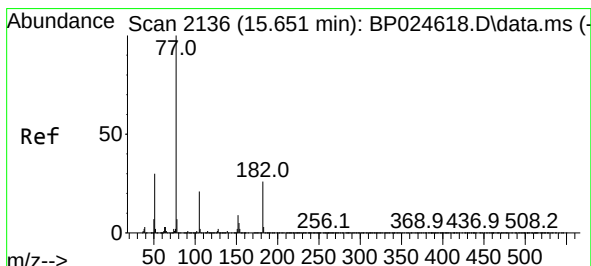
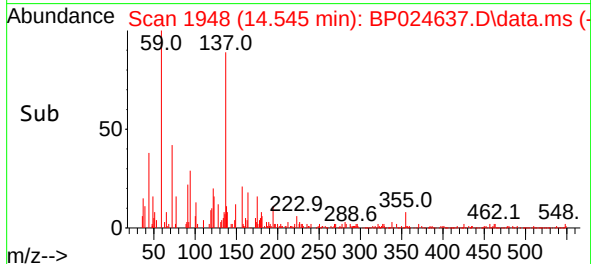
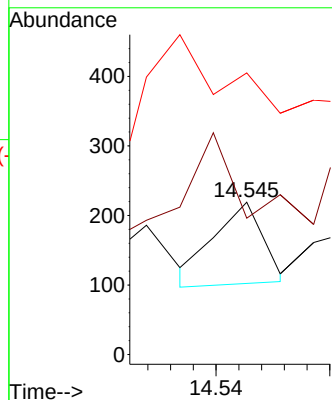
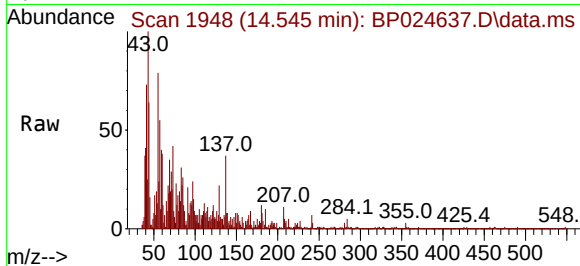




#56
4-Nitrophenol
Concen: 4.257 ng
RT: 14.545 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

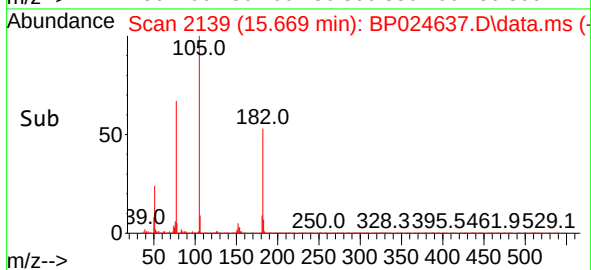
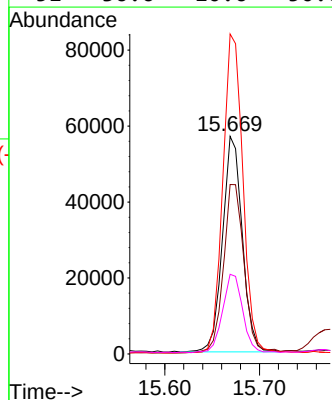
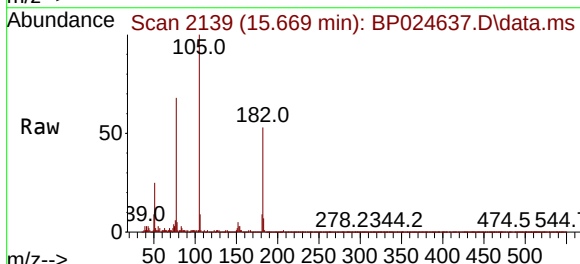
Instrument :
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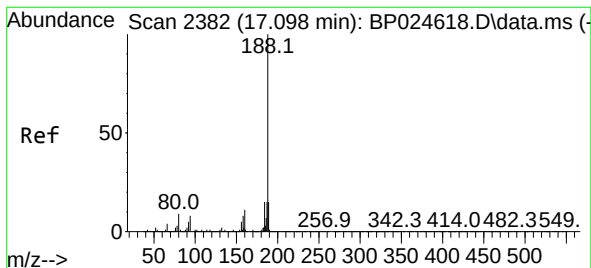
Tgt Ion:139 Resp: 71
Ion Ratio Lower Upper
139 100
109 89.5 61.4 101.4
65 184.9 72.2 112.2#



#63
Azobenzene
Concen: 5.973 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.018 min
Lab File: BP024637.D
Acq: 15 May 2025 14:38

Tgt Ion: 77 Resp: 82377
Ion Ratio Lower Upper
77 100
182 77.8 5.7 45.7#
105 147.0 1.3 41.3#
51 36.6 10.6 50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024637.D

Acq: 15 May 2025 14:38

Instrument :

BNA_P

ClientSampleId :

TP-13

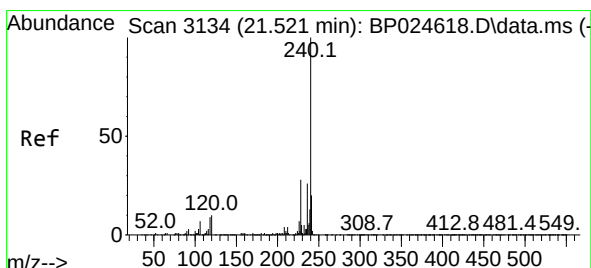
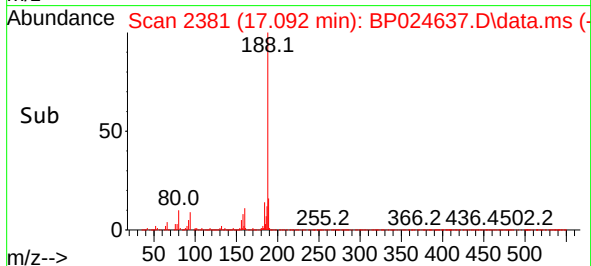
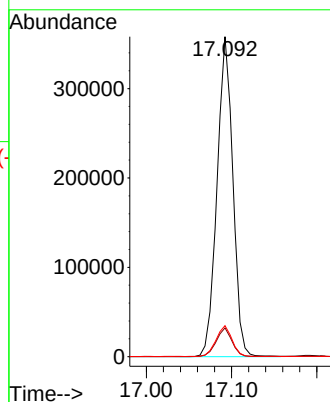
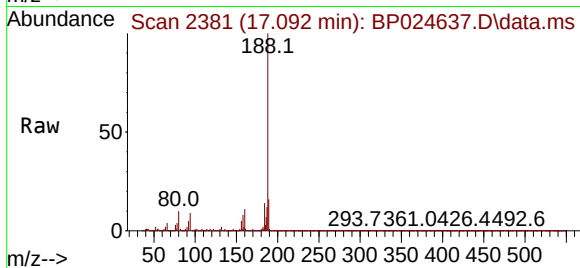
Tgt Ion:188 Resp: 462605

Ion Ratio Lower Upper

188 100

94 9.0 6.5 9.7

80 9.7 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP024637.D

Acq: 15 May 2025 14:38

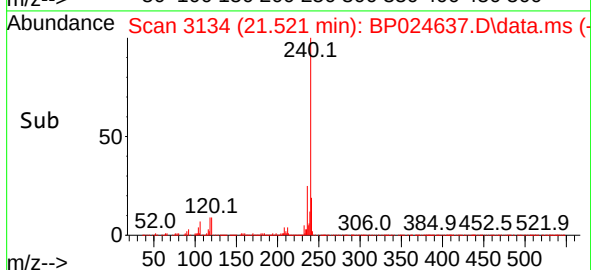
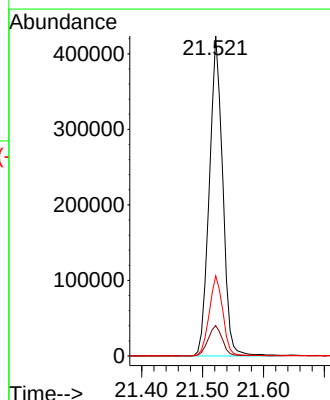
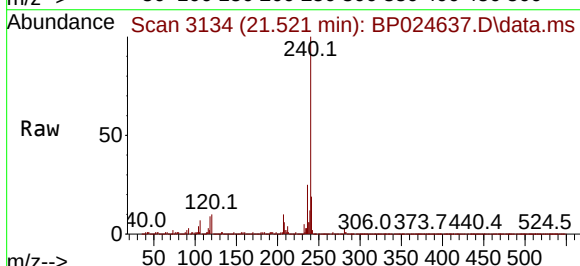
Tgt Ion:240 Resp: 648338

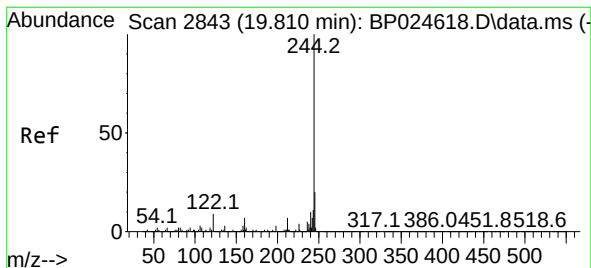
Ion Ratio Lower Upper

240 100

120 9.5 7.8 11.6

236 25.0 20.6 31.0





#79

Terphenyl-d14

Concen: 53.311 ng

RT: 19.810 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024637.D

Acq: 15 May 2025 14:38

Instrument :

BNA_P

ClientSampleId :

TP-13

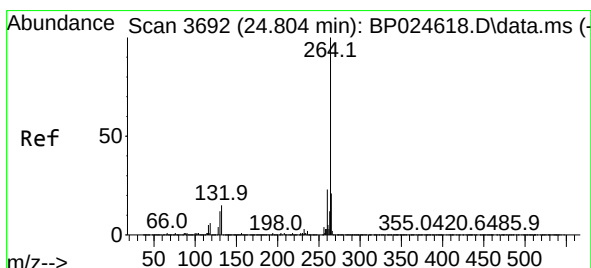
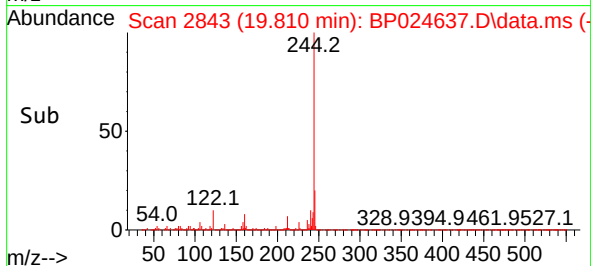
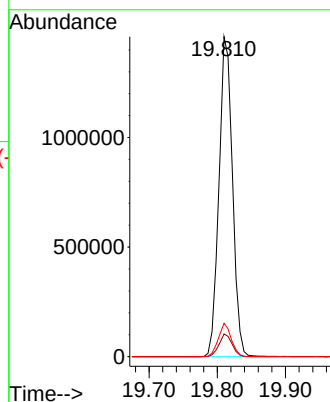
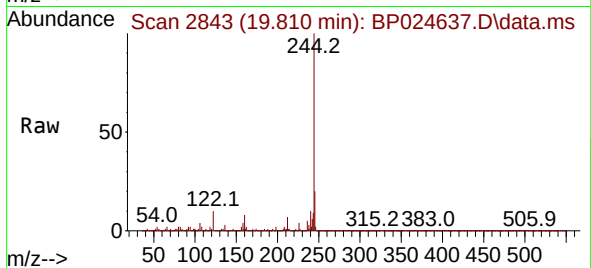
Tgt Ion:244 Resp: 2015741

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 10.4 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.815 min Scan# 3694

Delta R.T. 0.012 min

Lab File: BP024637.D

Acq: 15 May 2025 14:38

Tgt Ion:264 Resp: 871428

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.6 17.0 25.6

