

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024648.D
 Acq On : 15 May 2025 22:06
 Operator : RC/JU
 Sample : Q1984-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-24-050725

Quant Time: May 16 01:19:07 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)

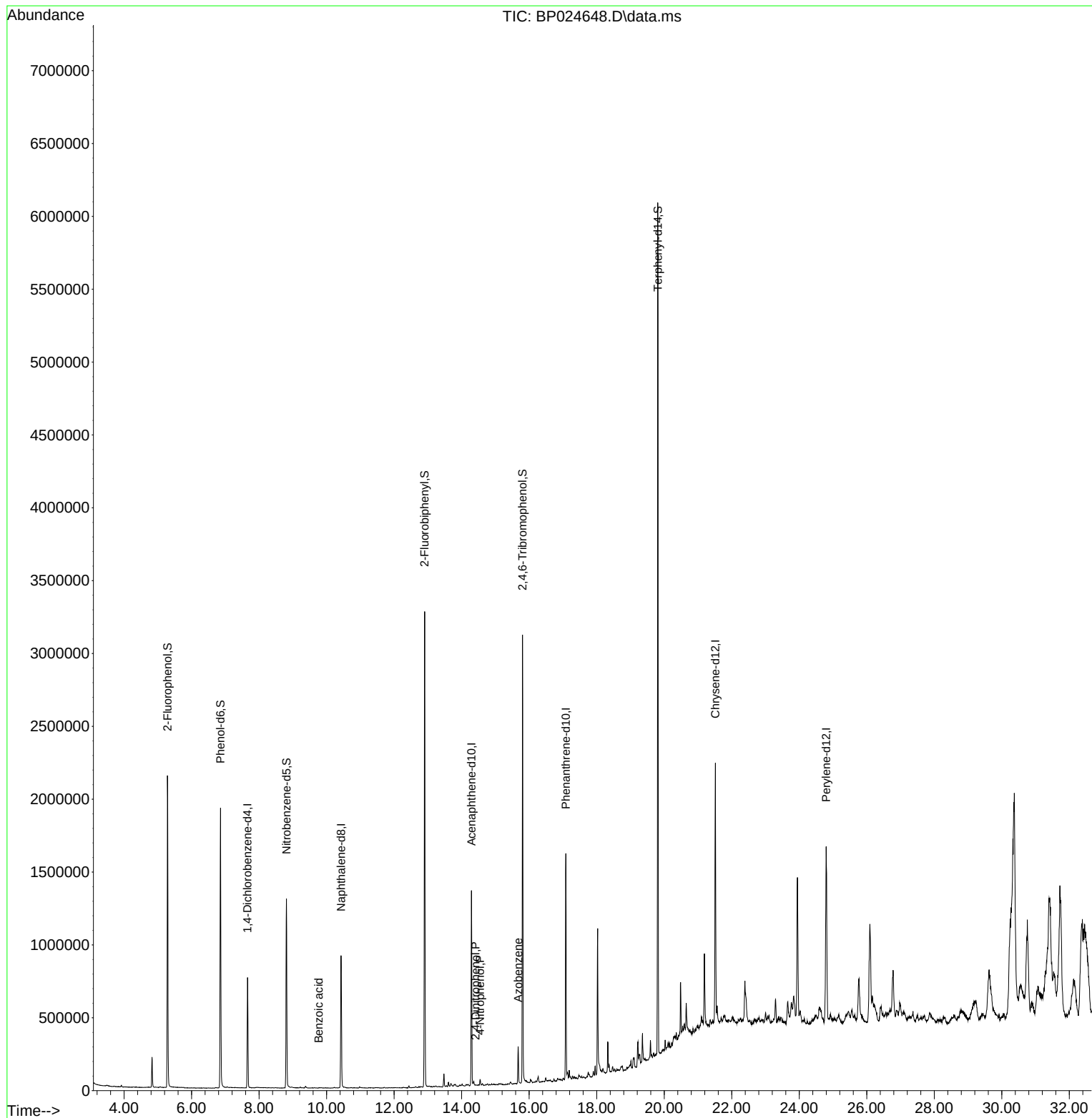
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	208034	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	794179	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	459760	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	854275	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	968283	20.000	ng	0.00
86) Perylene-d12	24.798	264	1168790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	936296	76.978	ng	0.00
7) Phenol-d6	6.858	99	1088370	70.111	ng	0.00
23) Nitrobenzene-d5	8.810	82	734988	46.761	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	589276	75.604	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1651068	47.049	ng	0.00
79) Terphenyl-d14	19.810	244	2587308	45.818	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.769	122	122	7.481	ng	# 49
54) 2,4-Dinitrophenol	14.416	184	62	6.413	ng	# 1
56) 4-Nitrophenol	14.545	139	125	4.252	ng	# 1
63) Azobenzene	15.675	77	68871	2.273	ng	# 1

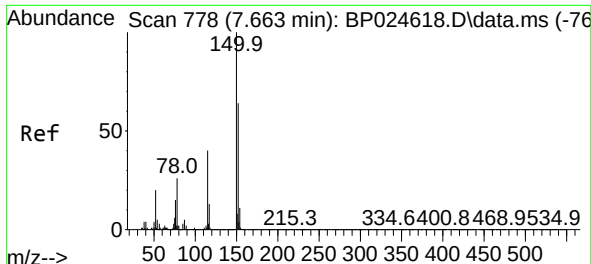
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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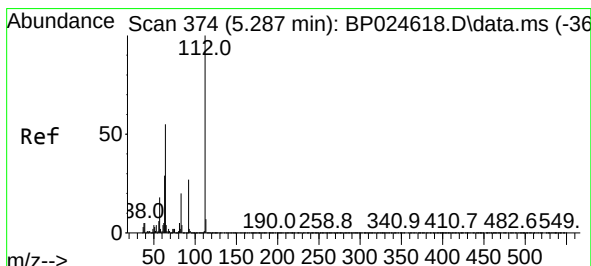
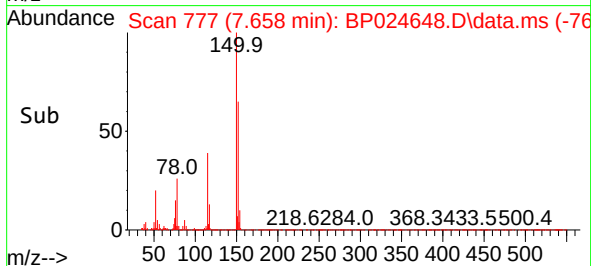
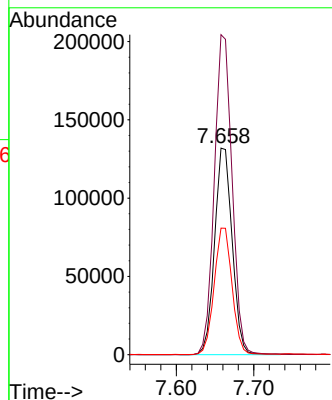
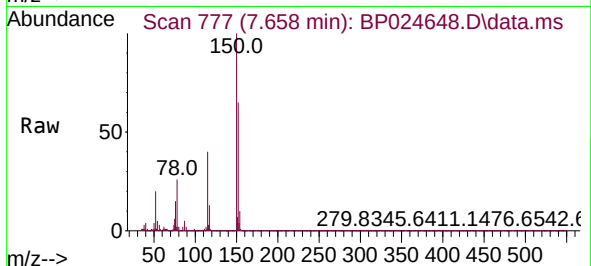




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

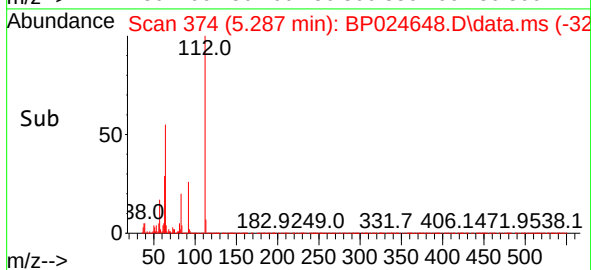
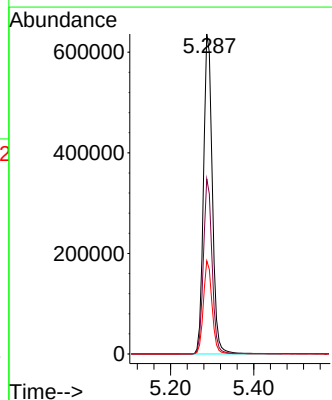
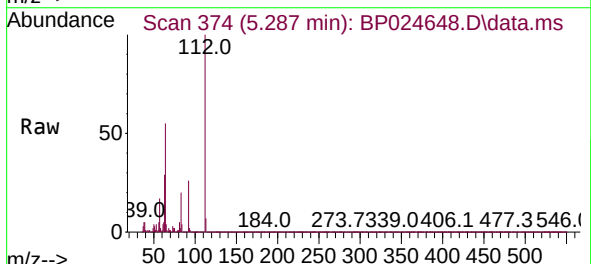
Instrument :
BNA_P
ClientSampleId :
OU4-TS-24-050725

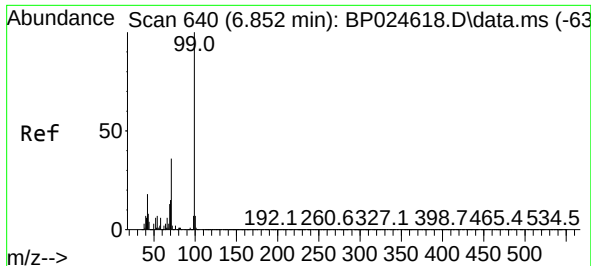
Tgt Ion:152 Resp: 208034
Ion Ratio Lower Upper
152 100
150 154.9 125.9 188.9
115 61.2 50.1 75.1



#5
2-Fluorophenol
Concen: 76.978 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

Tgt Ion:112 Resp: 936296
Ion Ratio Lower Upper
112 100
64 54.7 44.1 66.1
63 29.1 23.5 35.3





#7

Phenol-d6

Concen: 70.111 ng

RT: 6.858 min Scan# 640

Delta R.T. 0.006 min

Lab File: BP024648.D

Acq: 15 May 2025 22:06

Instrument :

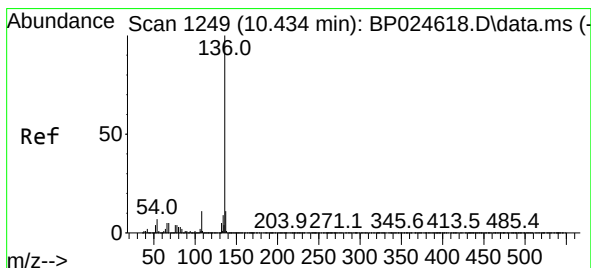
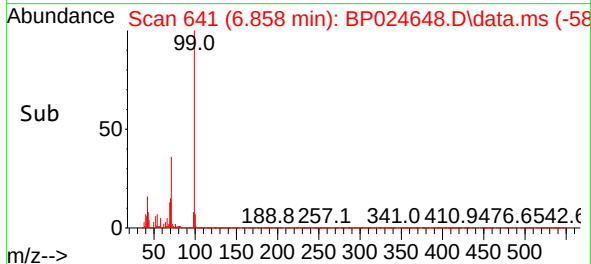
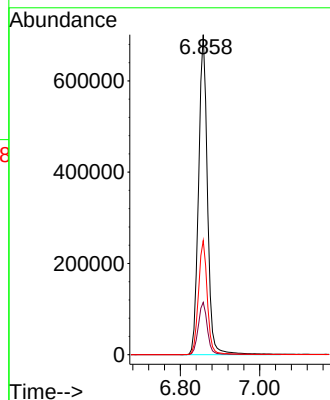
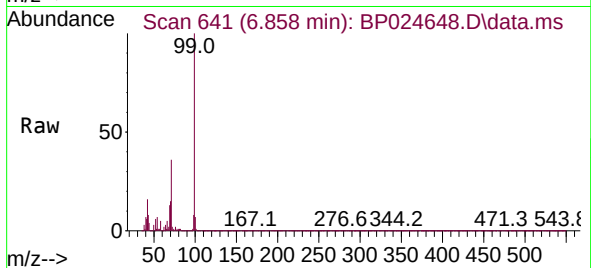
BNA_P

ClientSampleId :

OU4-TS-24-050725

Tgt Ion: 99 Resp: 1088370

Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.4	21.6
71	35.6	29.2	43.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.428 min Scan# 1248

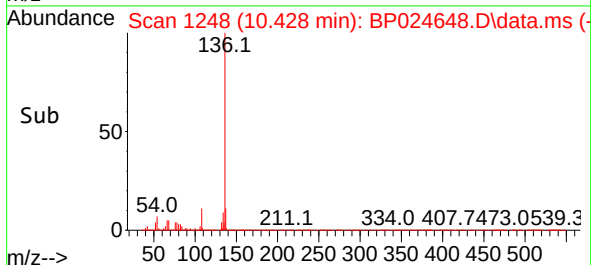
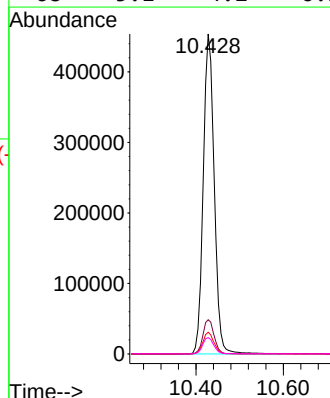
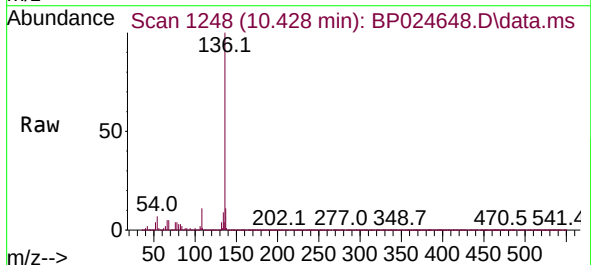
Delta R.T. -0.006 min

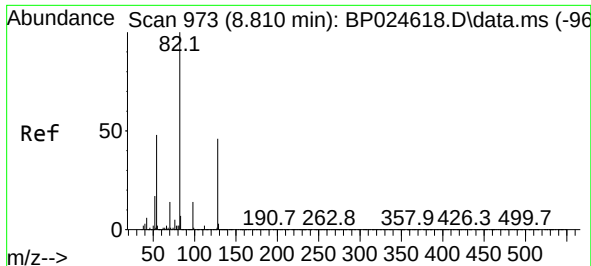
Lab File: BP024648.D

Acq: 15 May 2025 22:06

Tgt Ion:136 Resp: 794179

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.8	5.5	8.3
68	5.1	4.2	6.2

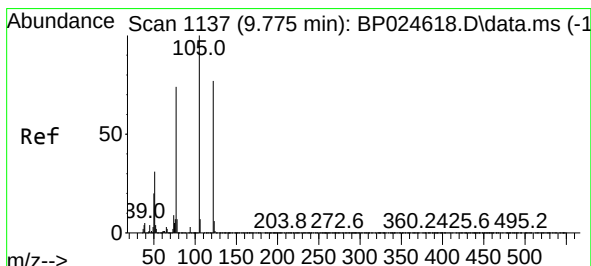
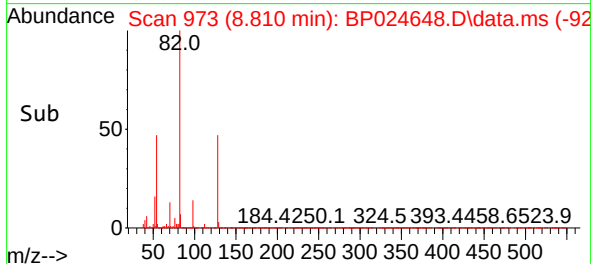
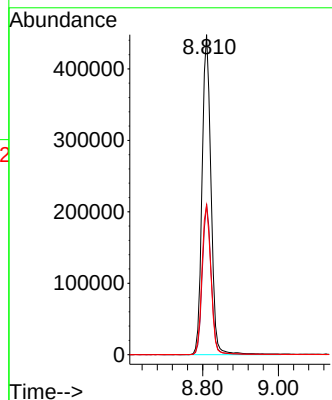
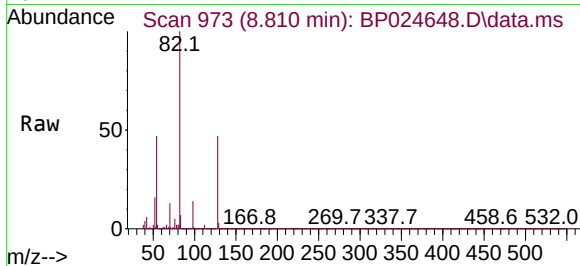




#23
Nitrobenzene-d5
Concen: 46.761 ng
RT: 8.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

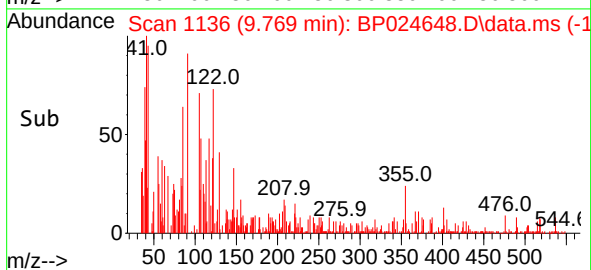
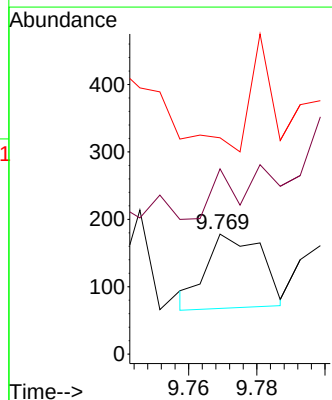
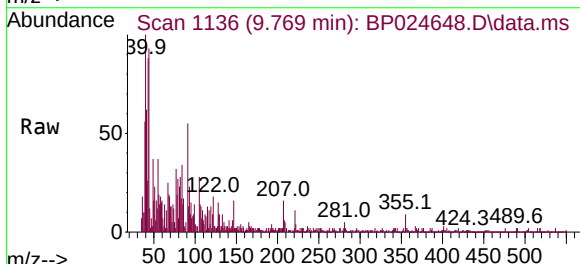
Instrument :
BNA_P
ClientSampleId :
OU4-TS-24-050725

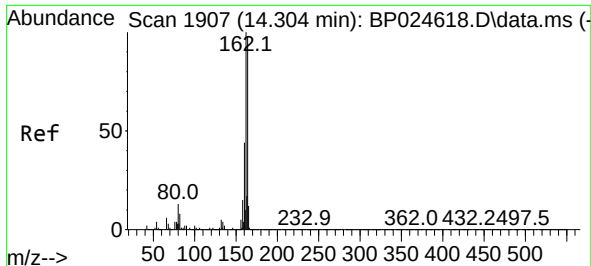
Tgt Ion: 82 Resp: 734988
Ion Ratio Lower Upper
82 100
128 47.1 37.0 55.4
54 46.6 38.7 58.1



#32
Benzoic acid
Concen: 7.481 ng
RT: 9.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

Tgt Ion:122 Resp: 122
Ion Ratio Lower Upper
122 100
105 154.5 106.9 146.9#
77 180.3 75.1 115.1#

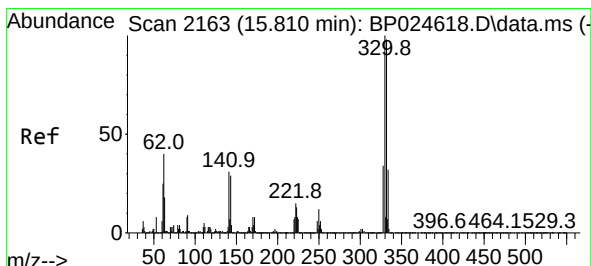
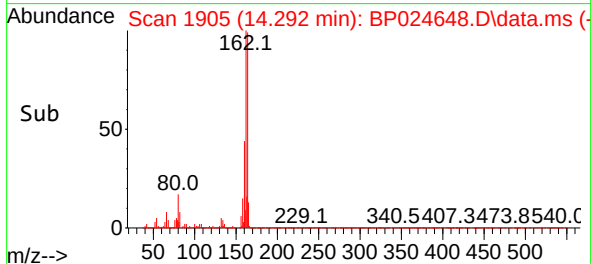
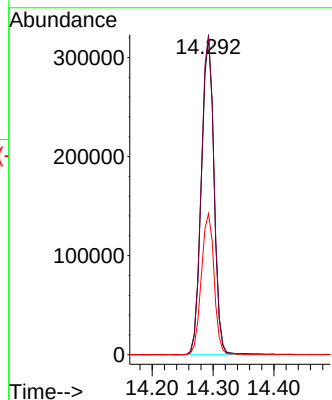
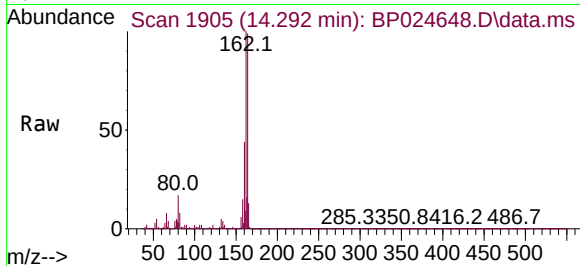




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

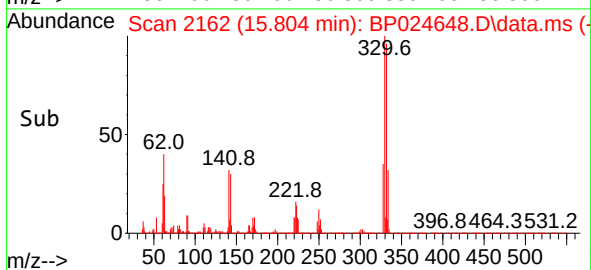
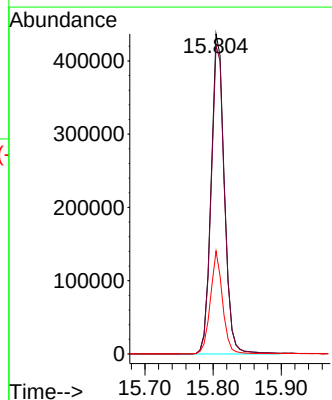
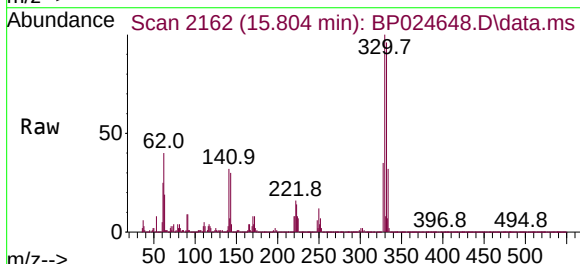
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ClientSampleId :
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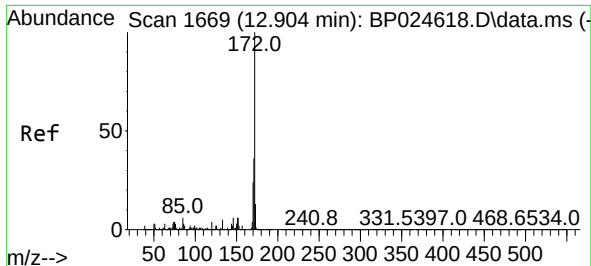
Tgt Ion:164 Resp: 459760
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.6
160 44.4 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 75.604 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

Tgt Ion:330 Resp: 589276
Ion Ratio Lower Upper
330 100
332 97.7 78.2 117.4
141 29.5 24.3 36.5

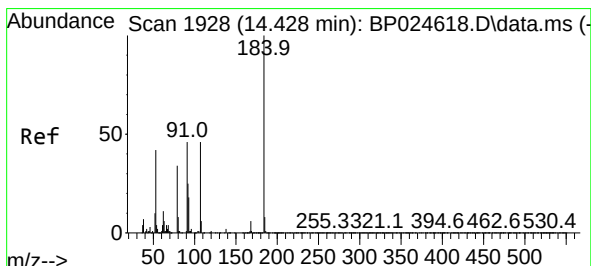
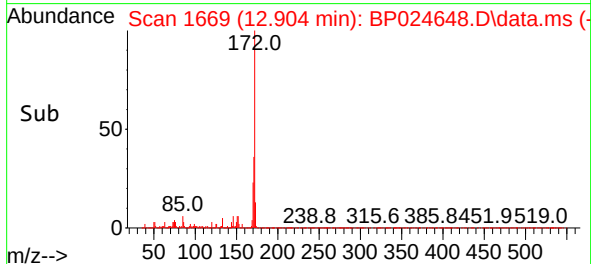
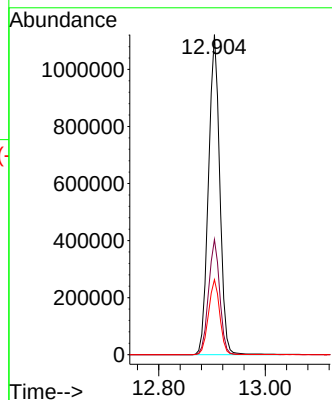
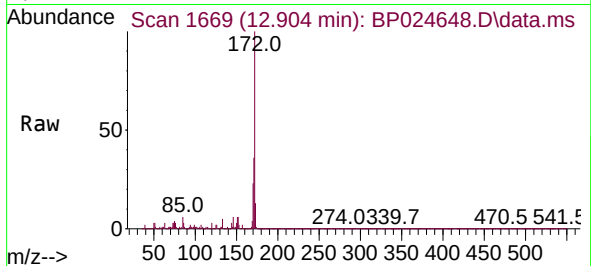




#45
2-Fluorobiphenyl
Concen: 47.049 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

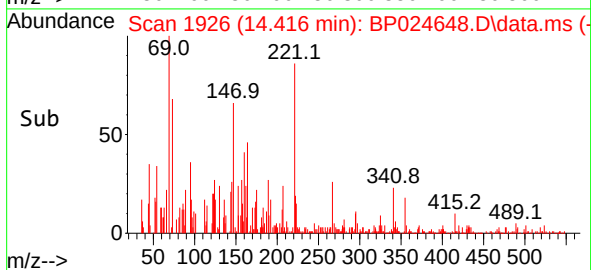
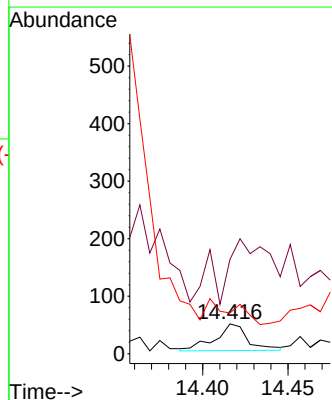
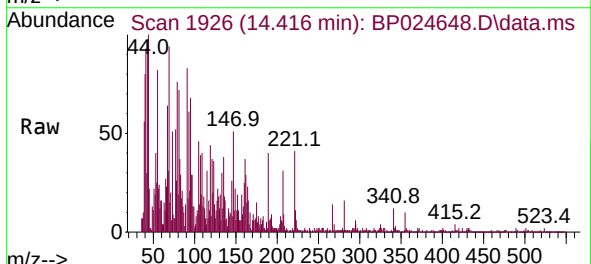
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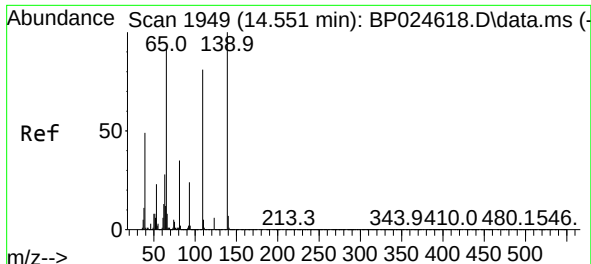
Tgt Ion:172 Resp: 1651068
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.5 18.8 28.2



#54
2,4-Dinitrophenol
Concen: 6.413 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.012 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 315.4 51.3 76.9#
154 136.5 53.5 80.3#

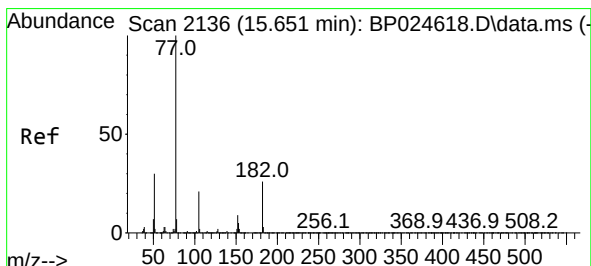
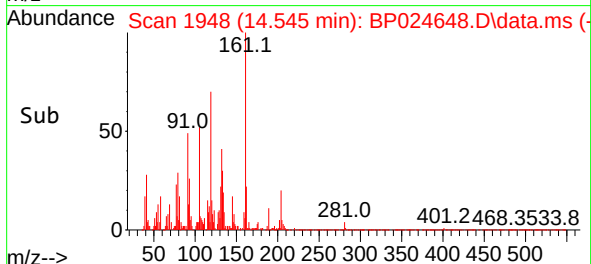
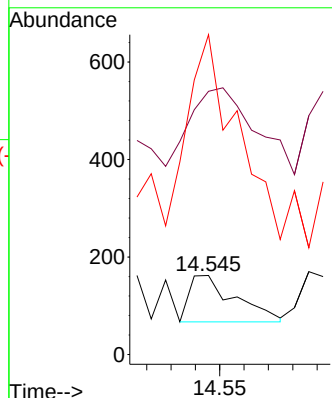
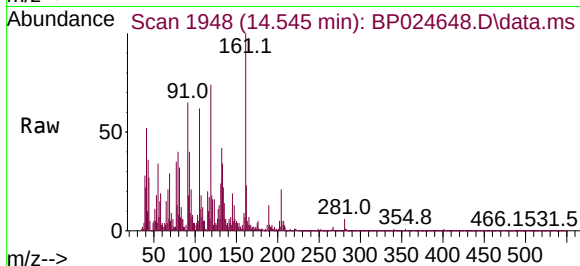




#56
4-Nitrophenol
Concen: 4.252 ng
RT: 14.545 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

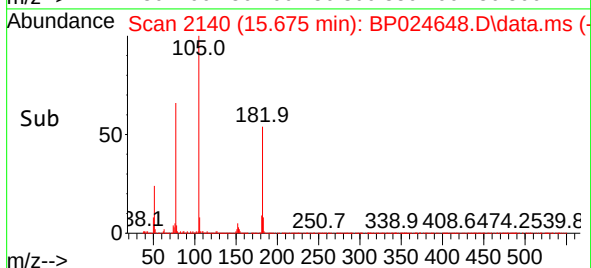
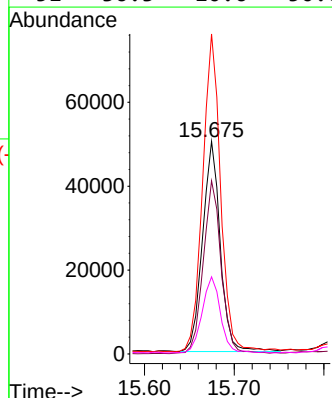
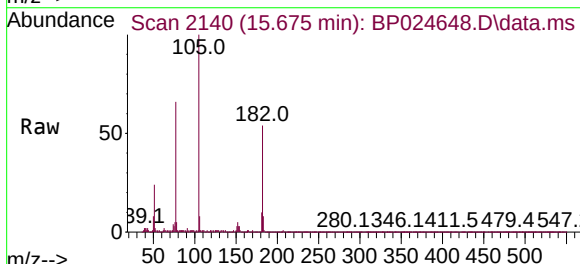
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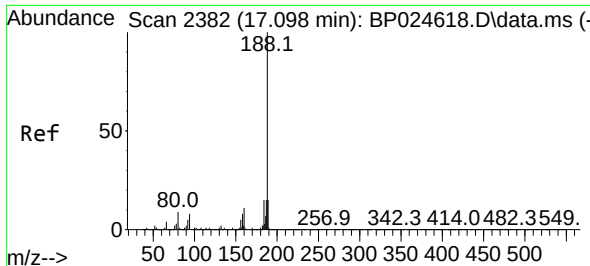
Tgt Ion:139 Resp: 125
Ion Ratio Lower Upper
139 100
109 333.3 61.4 101.4#
65 404.9 72.2 112.2#



#63
Azobenzene
Concen: 2.273 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.024 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

Tgt Ion: 77 Resp: 68871
Ion Ratio Lower Upper
77 100
182 81.5 5.7 45.7#
105 150.5 1.3 41.3#
51 36.3 10.6 50.6

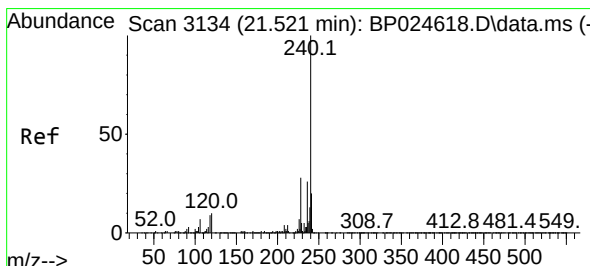
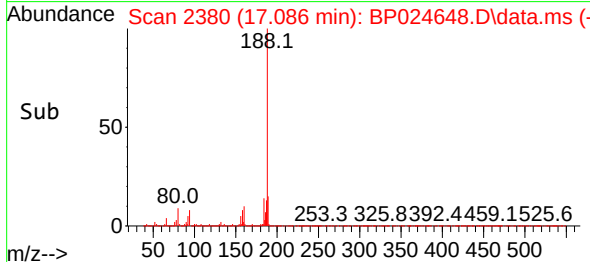
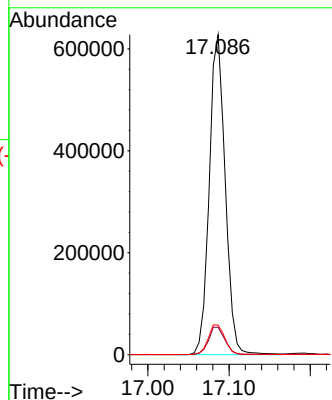
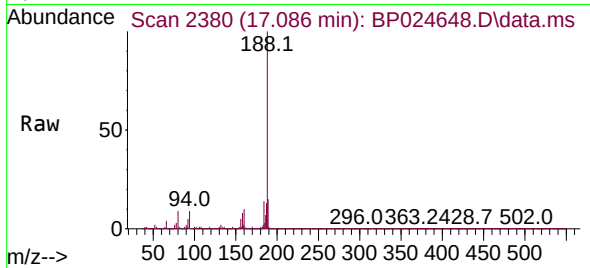




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

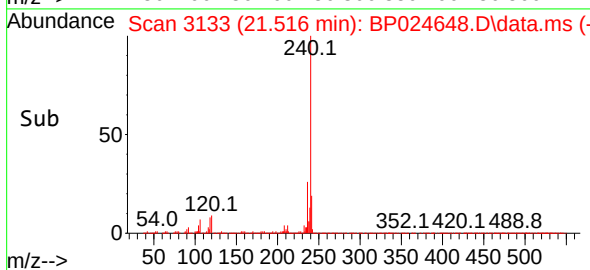
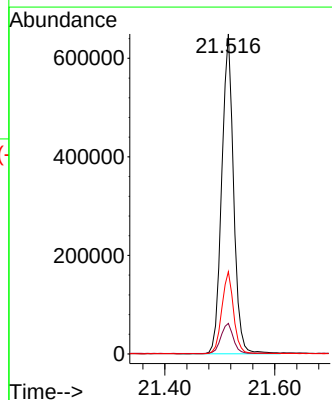
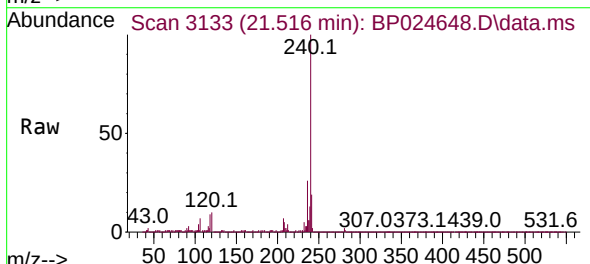
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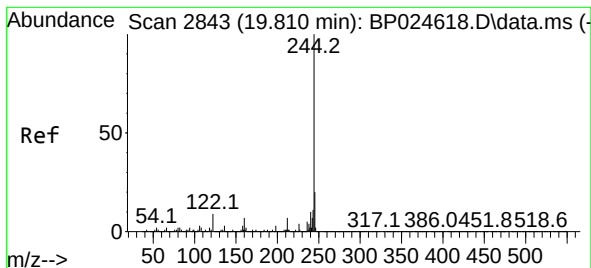
Tgt Ion:188 Resp: 854275
Ion Ratio Lower Upper
188 100
94 8.5 6.5 9.7
80 9.3 7.3 10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024648.D
Acq: 15 May 2025 22:06

Tgt Ion:240 Resp: 968283
Ion Ratio Lower Upper
240 100
120 9.6 7.8 11.6
236 25.7 20.6 31.0





#79

Terphenyl-d14

Concen: 45.818 ng

RT: 19.810 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024648.D

Acq: 15 May 2025 22:06

Instrument :

BNA_P

ClientSampleId :

OU4-TS-24-050725

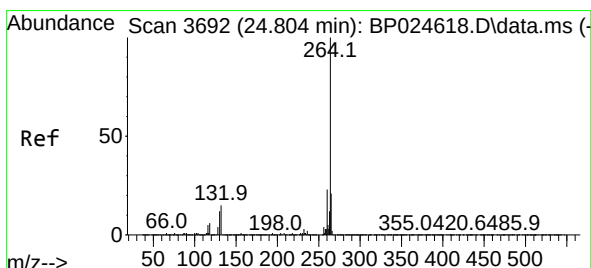
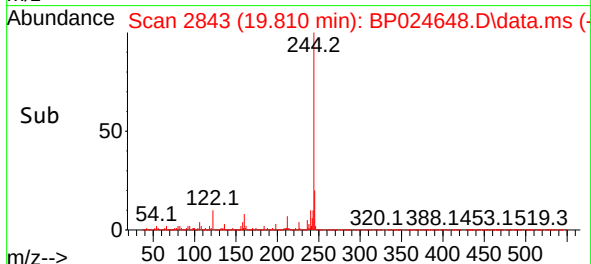
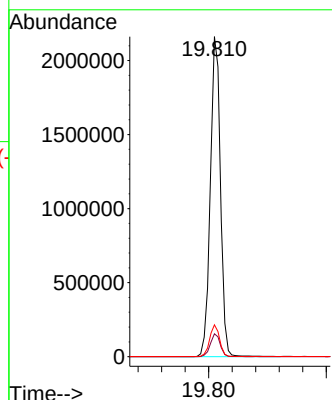
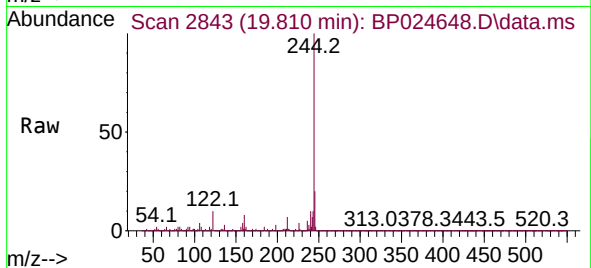
Tgt Ion:244 Resp: 2587308

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 10.0 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 3691

Delta R.T. -0.006 min

Lab File: BP024648.D

Acq: 15 May 2025 22:06

Tgt Ion:264 Resp: 1168790

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.1 17.0 25.6

