

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
 Data File : BP024529.D
 Acq On : 05 May 2025 17:26
 Operator : RC/JU
 Sample : Q1901-10RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-167-SB02RE

Quant Time: May 05 18:21:26 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)

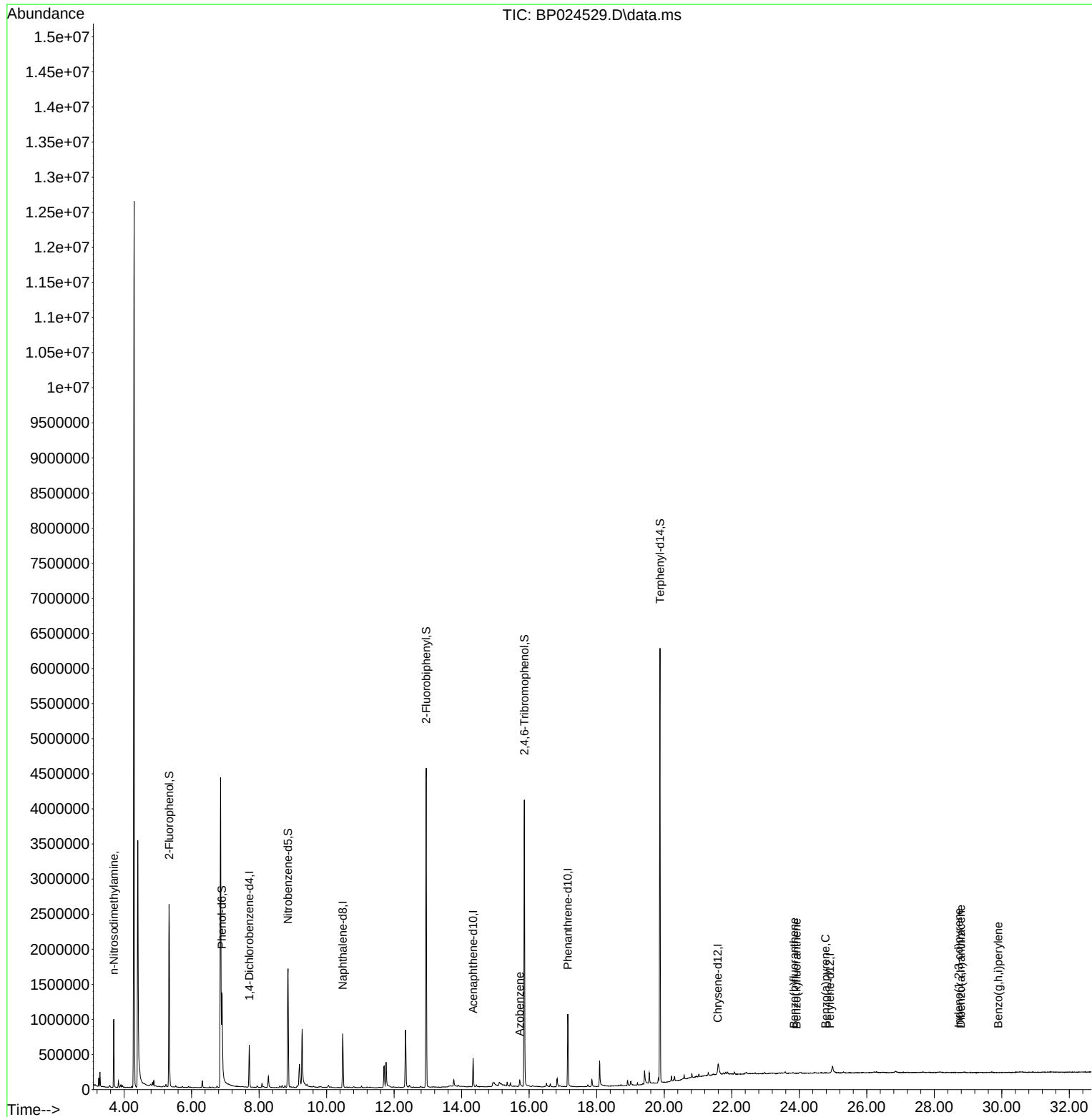
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	159015	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	625316	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	112223	20.000	ng	#-0.01
64) Phenanthrene-d10	17.145	188	431364	20.000	ng	0.00
76) Chrysene-d12	21.586	240	43410	20.000	ng	# 0.00
86) Perylene-d12	24.910	264	129	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1105558	114.957	ng	-0.01
7) Phenol-d6	6.899	99	548086	41.621	ng	-0.01
23) Nitrobenzene-d5	8.858	82	1019694	92.984	ng	-0.01
42) 2,4,6-Tribromophenol	15.857	330	859661	553.668	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	2297807	313.500	ng	-0.01
79) Terphenyl-d14	19.875	244	1941631	901.549	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.699	42	21024	5.898	ng	# 1
63) Azobenzene	15.716	77	27462	3.553	ng	# 1
87) Indeno(1,2,3-cd)pyrene	28.727	276	85	9.491	ng	# 1
88) Benzo(b)fluoranthene	23.845	252	90	11.639	ng	# 1
89) Benzo(k)fluoranthene	23.921	252	108	14.460	ng	# 1
90) Benzo(a)pyrene	24.780	252	270	40.480	ng	# 1
91) Dibenzo(a,h)anthracene	28.786	278	123	16.547	ng	# 1
92) Benzo(g,h,i)perylene	29.892	276	173	22.865	ng	# 84

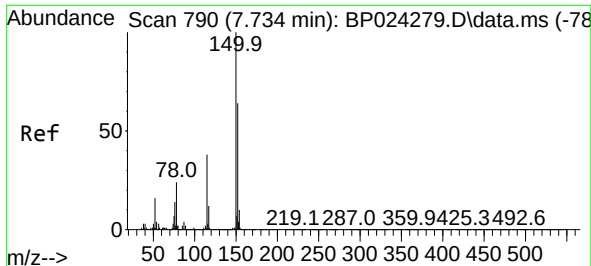
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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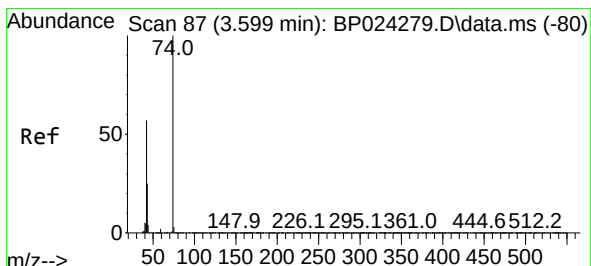
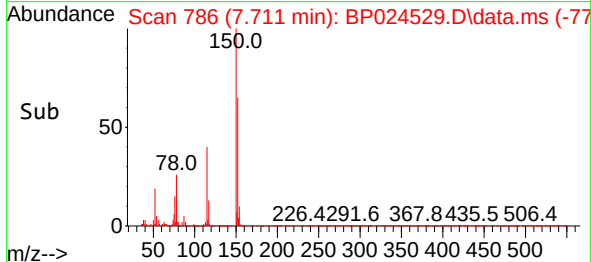
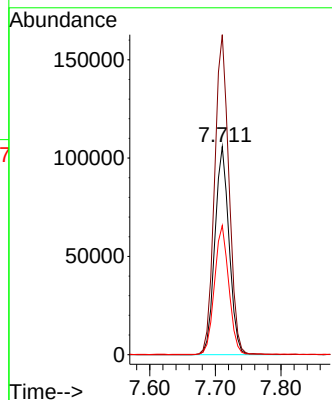
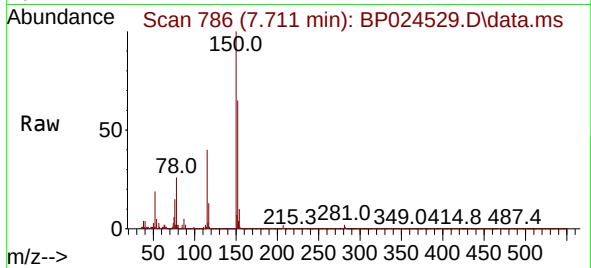




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

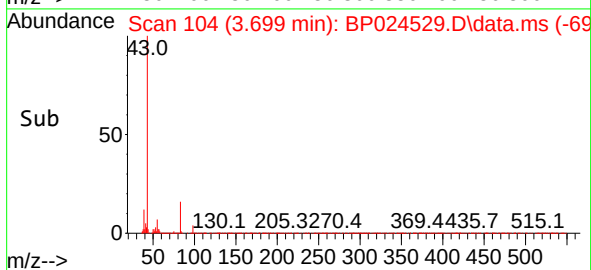
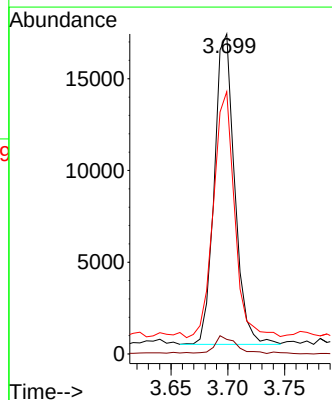
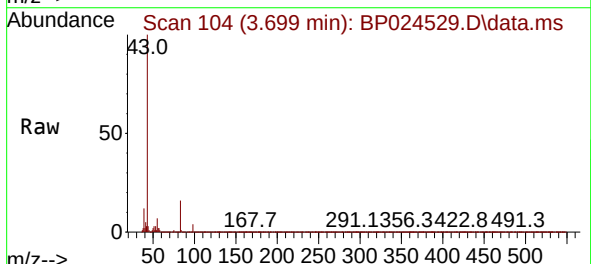
Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

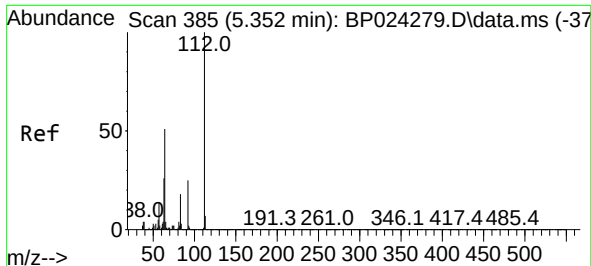
Tgt Ion:152 Resp: 159015
Ion Ratio Lower Upper
152 100
150 153.8 124.9 187.3
115 62.1 47.7 71.5



#4
n-Nitrosodimethylamine
Concen: 5.898 ng
RT: 3.699 min Scan# 104
Delta R.T. 0.106 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion: 42 Resp: 21024
Ion Ratio Lower Upper
42 100
74 4.6 139.5 209.3#
44 81.9 5.8 8.8#

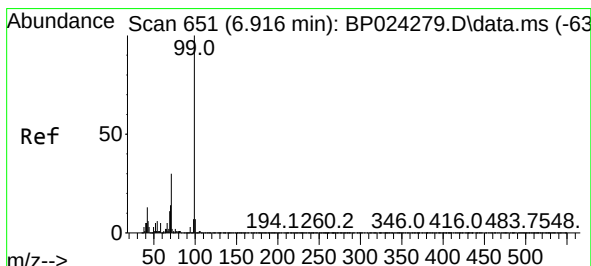
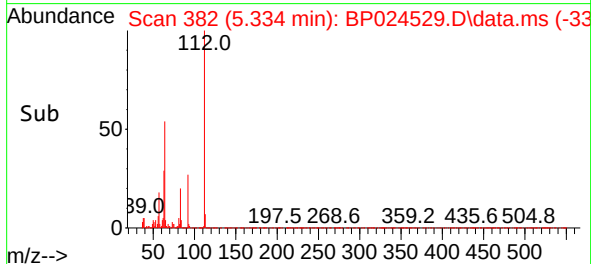
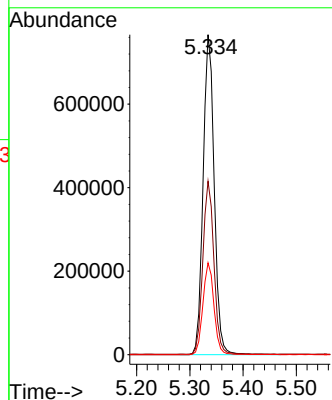
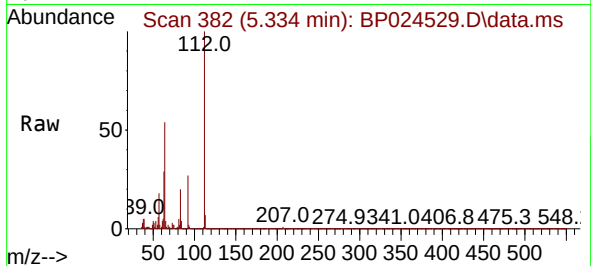




#5
2-Fluorophenol
Concen: 114.957 ng
RT: 5.334 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

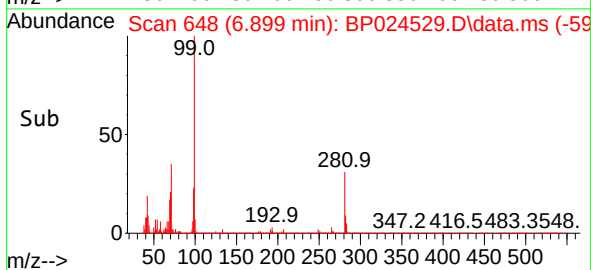
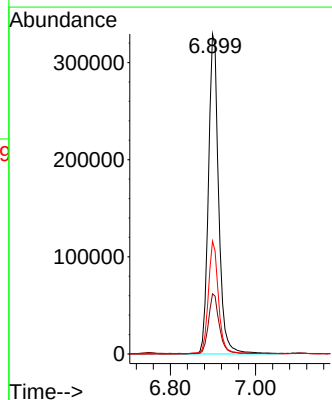
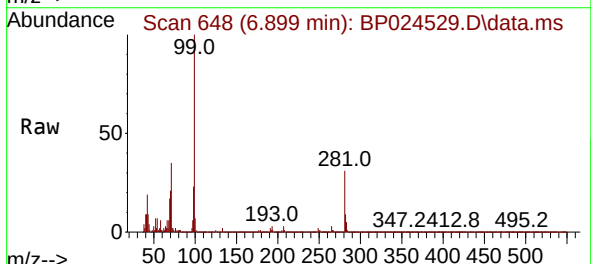
Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

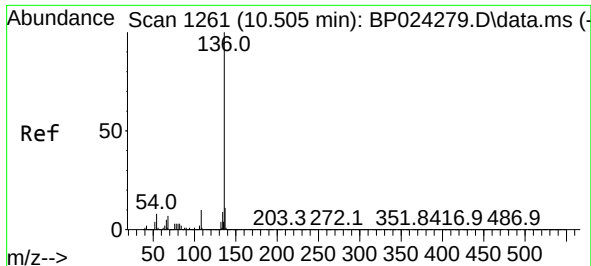
Tgt Ion:112 Resp: 1105558
Ion Ratio Lower Upper
112 100
64 54.2 41.1 61.7
63 28.7 20.6 30.8



#7
Phenol-d6
Concen: 41.621 ng
RT: 6.899 min Scan# 648
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion: 99 Resp: 548086
Ion Ratio Lower Upper
99 100
42 18.8 10.6 16.0#
71 35.2 23.7 35.5

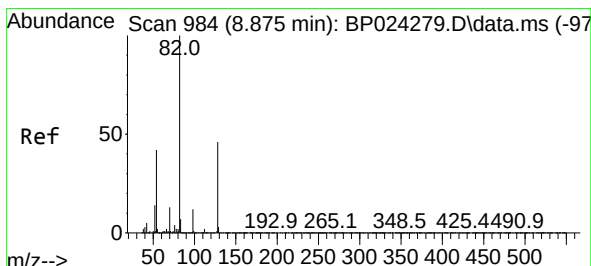
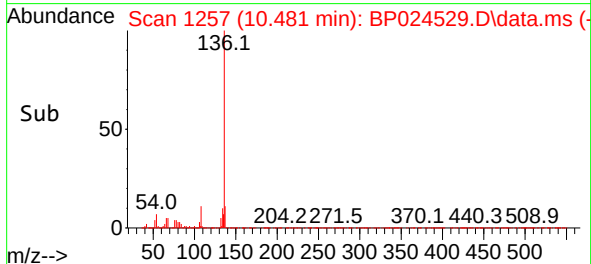
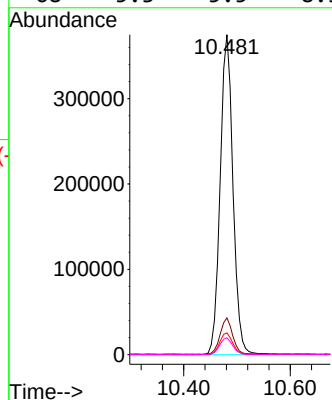
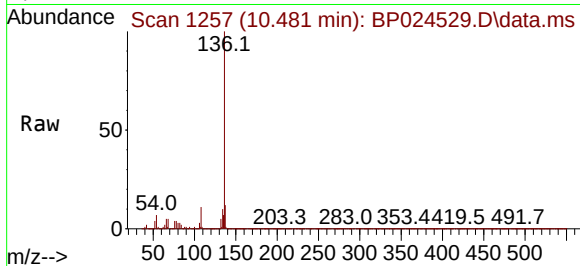




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

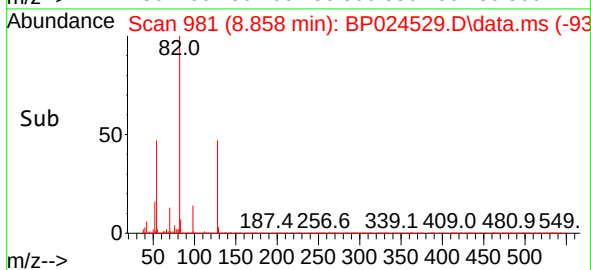
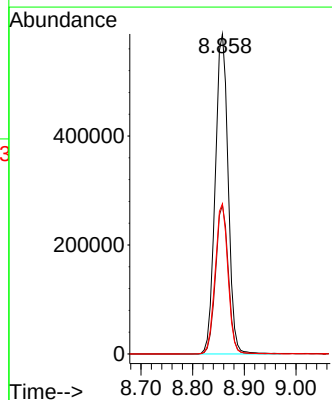
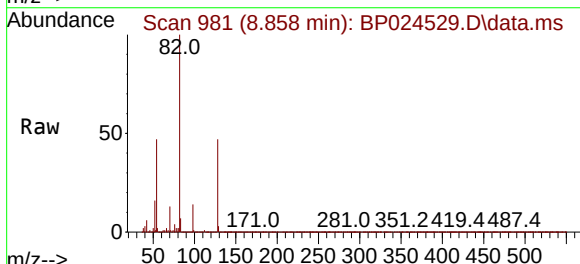
Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

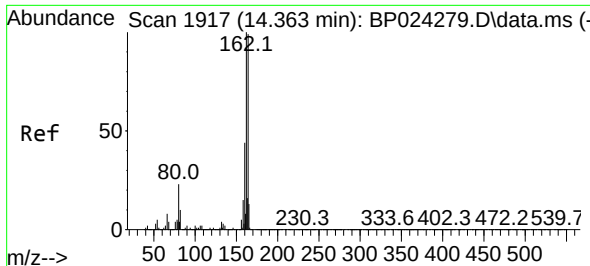
Tgt Ion:136 Resp: 625316
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 6.8 6.0 9.0
68 5.3 5.5 8.3#



#23
Nitrobenzene-d5
Concen: 92.984 ng
RT: 8.858 min Scan# 981
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion: 82 Resp: 1019694
Ion Ratio Lower Upper
82 100
128 46.6 36.5 54.7
54 46.9 33.4 50.2

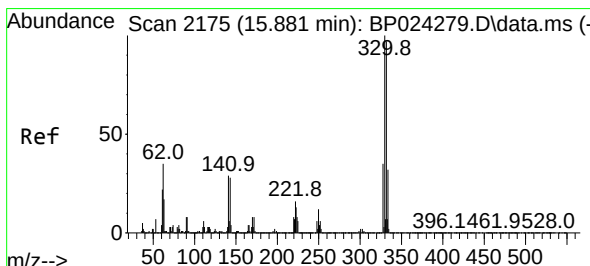
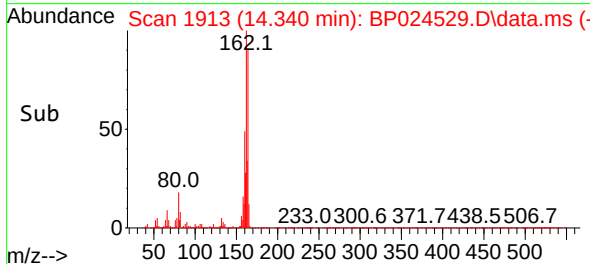
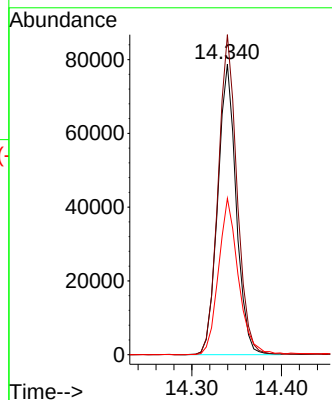
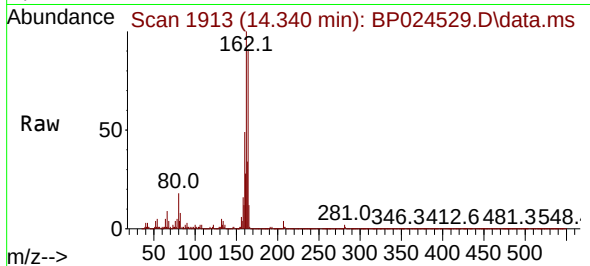




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

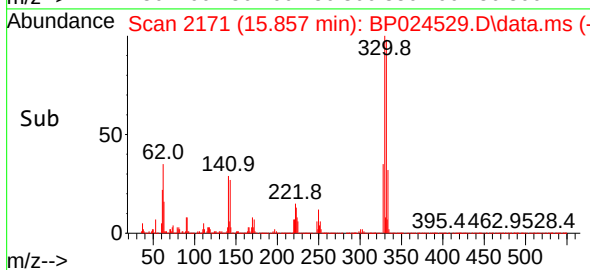
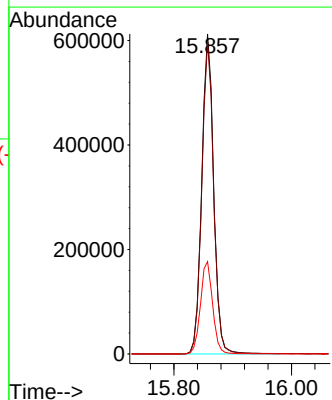
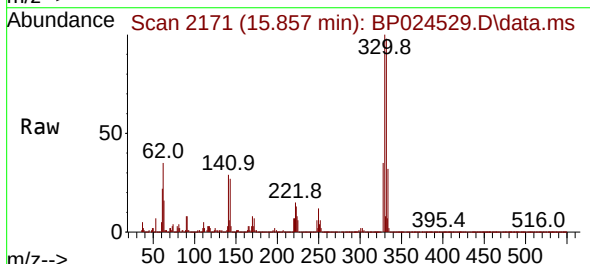
Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

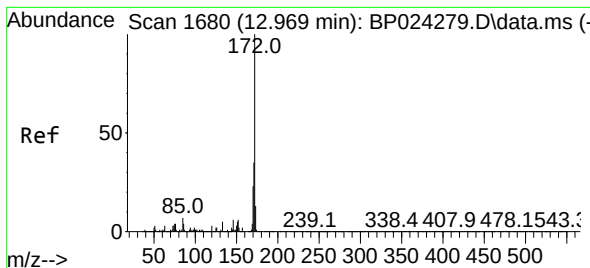
Tgt Ion:164 Resp: 112223
Ion Ratio Lower Upper
164 100
162 110.1 80.6 120.8
160 53.8 35.3 52.9#



#42
2,4,6-Tribromophenol
Concen: 553.668 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:330 Resp: 859661
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 29.6 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 313.500 ng

RT: 12.951 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024529.D

Acq: 05 May 2025 17:26

Instrument :

BNA_P

ClientSampleId :

B-167-SB02RE

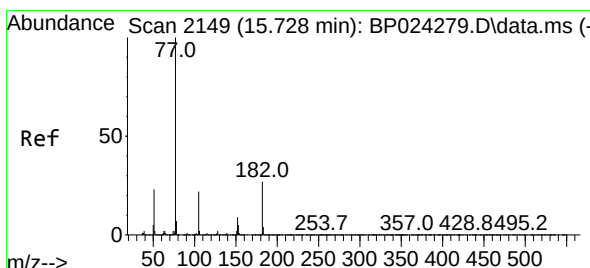
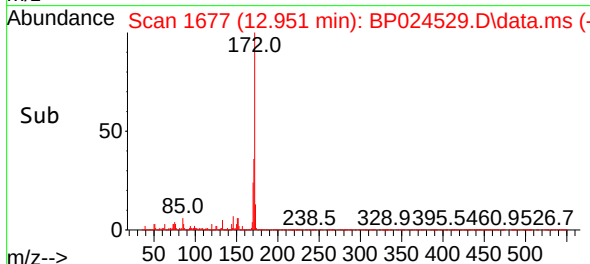
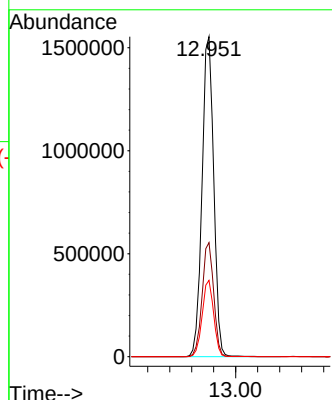
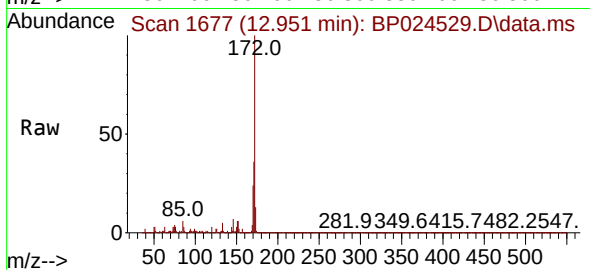
Tgt Ion:172 Resp: 2297807

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.9 18.6 27.8



#63

Azobenzene

Concen: 3.553 ng

RT: 15.716 min Scan# 2147

Delta R.T. 0.006 min

Lab File: BP024529.D

Acq: 05 May 2025 17:26

Tgt Ion: 77 Resp: 27462

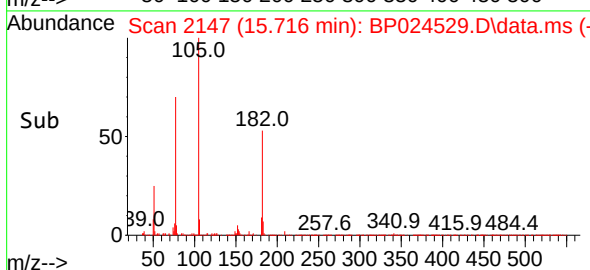
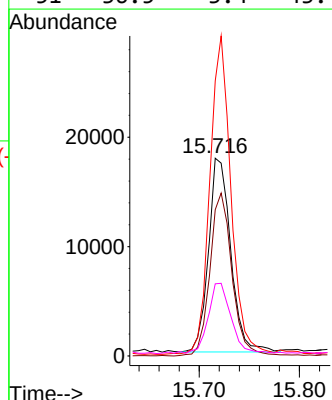
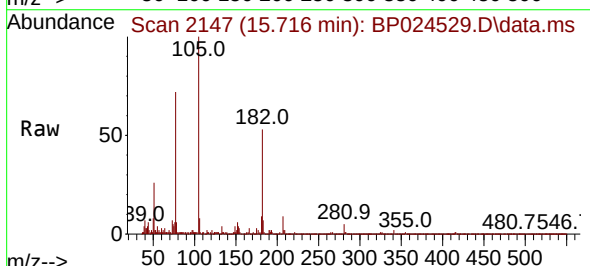
Ion Ratio Lower Upper

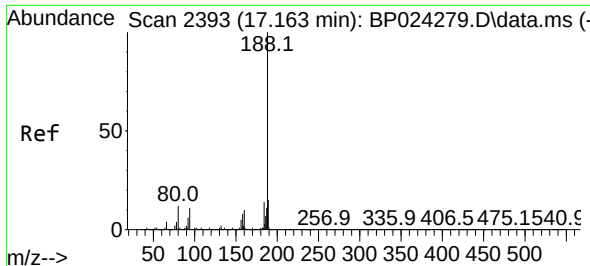
77 100

182 73.9 7.3 47.3#

105 139.1 2.3 42.3#

51 36.5 3.4 43.4

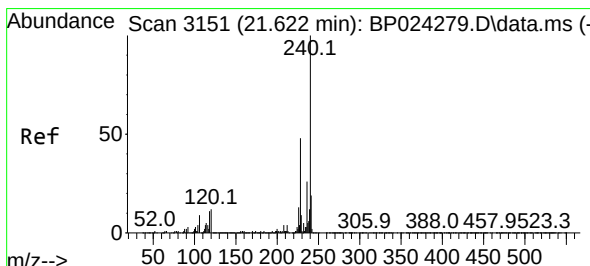
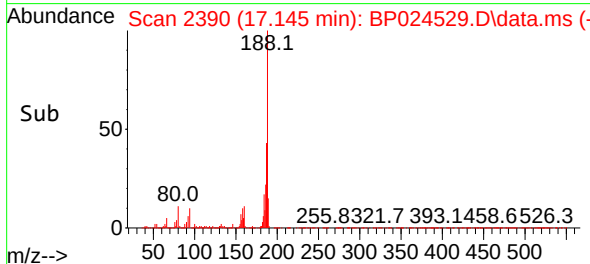
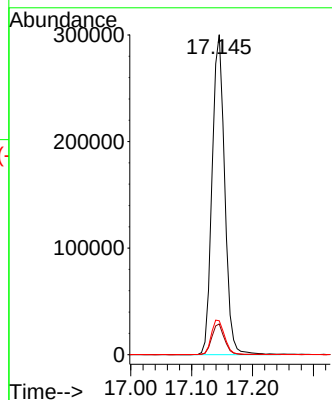
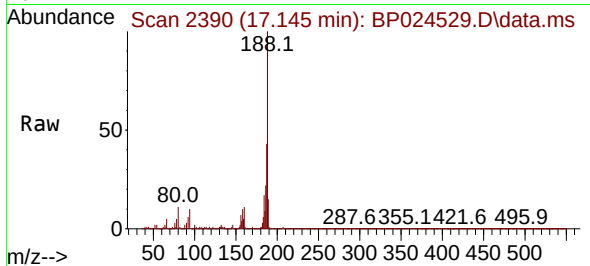




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

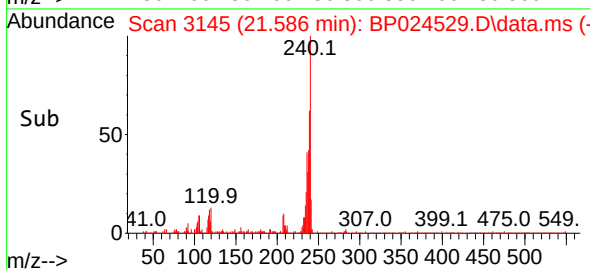
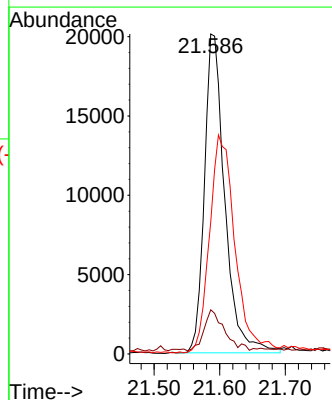
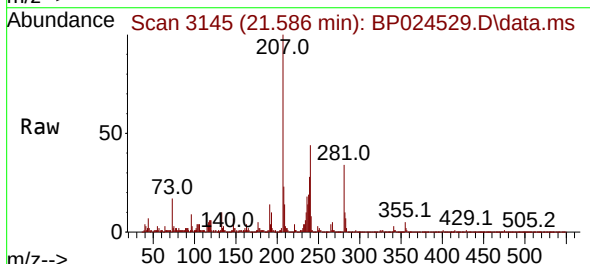
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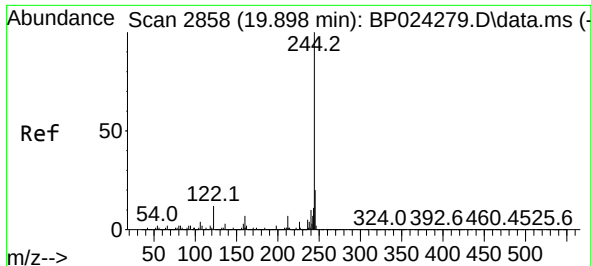
Tgt Ion:188 Resp: 431364
Ion Ratio Lower Upper
188 100
94 9.6 8.6 13.0
80 10.6 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:240 Resp: 43410
Ion Ratio Lower Upper
240 100
120 13.8 9.8 14.8
236 41.3 20.9 31.3#

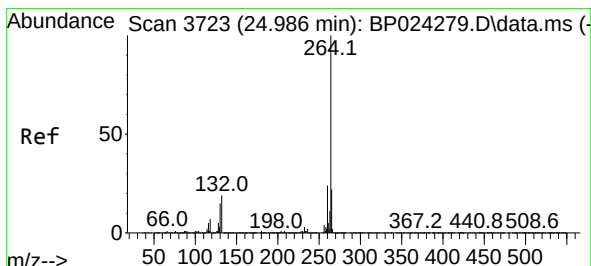
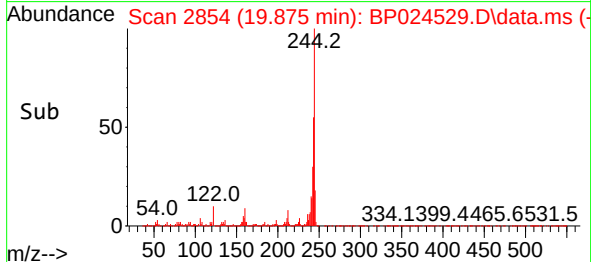
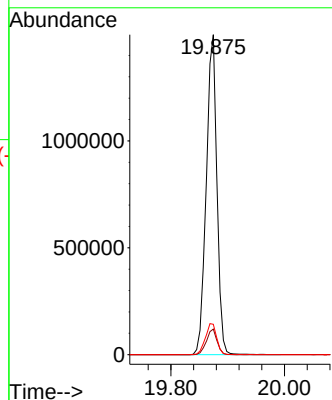
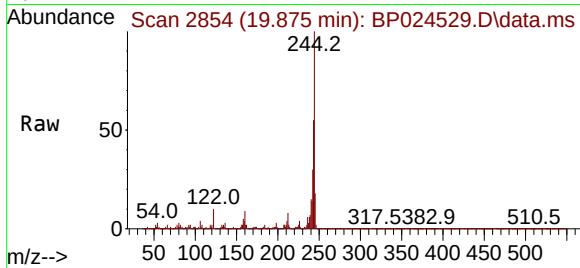




#79
 Terphenyl-d14
 Concen: 901.549 ng
 RT: 19.875 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP024529.D
 Acq: 05 May 2025 17:26

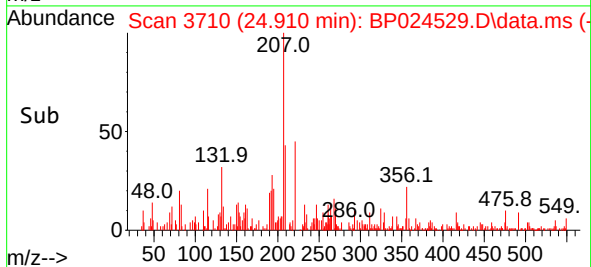
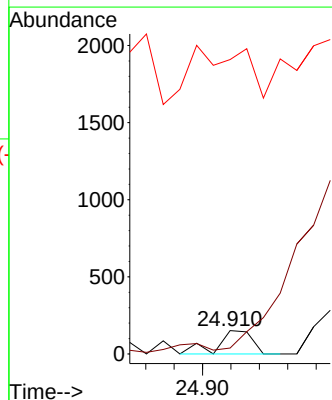
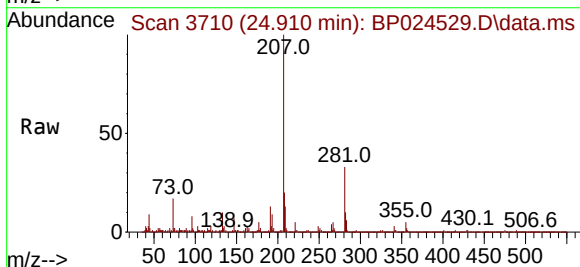
Instrument :
 BNA_P
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 B-167-SB02RE

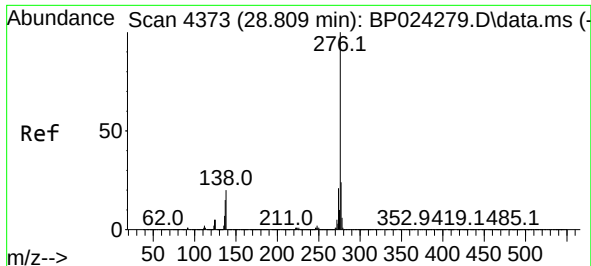
Tgt Ion:244 Resp: 1941631
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.6 8.4
 122 9.5 9.4 14.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.910 min Scan# 3710
 Delta R.T. -0.023 min
 Lab File: BP024529.D
 Acq: 05 May 2025 17:26

Tgt Ion:264 Resp: 129
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.9 28.3
 265 1255.9 17.8 26.6#

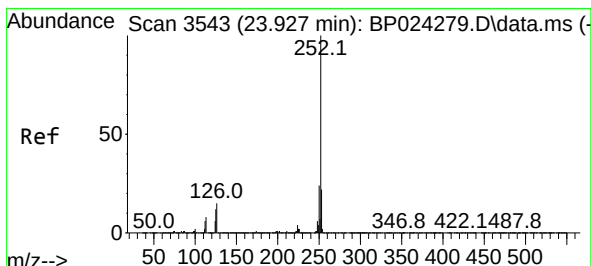
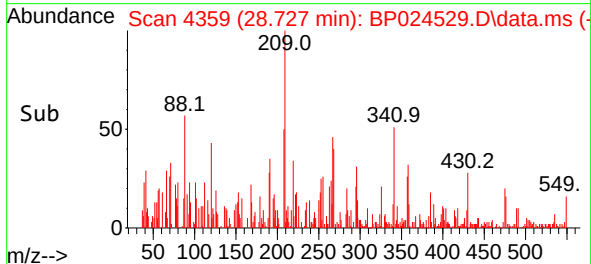
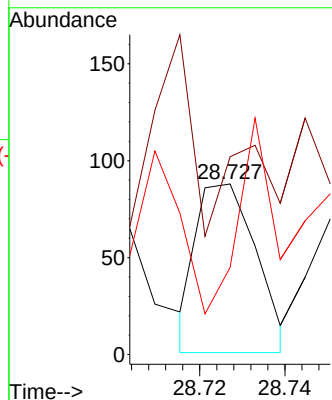
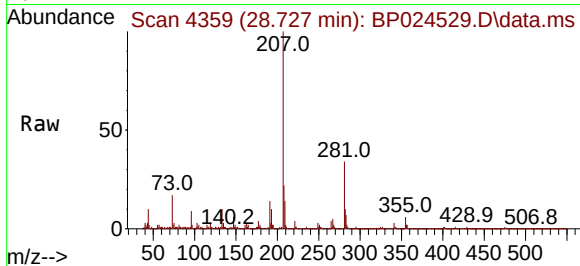




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.491 ng
 RT: 28.727 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BP024529.D
 Acq: 05 May 2025 17:26

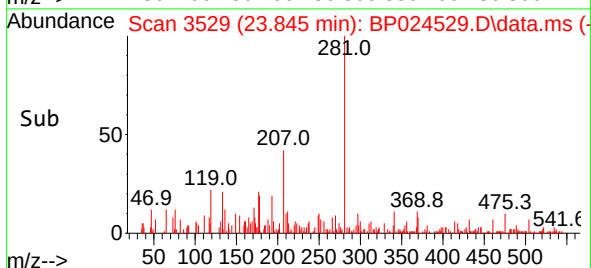
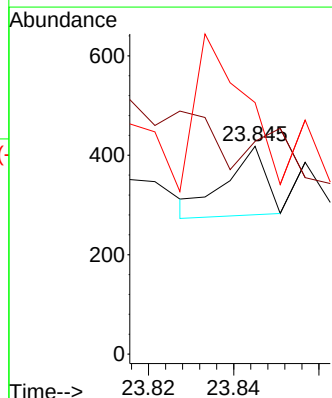
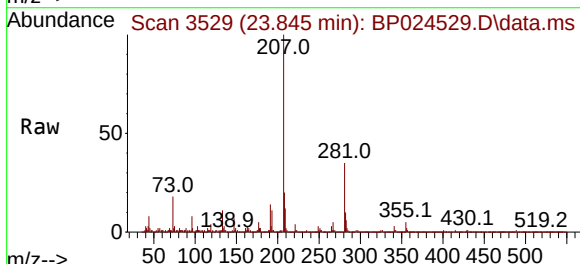
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 BNA_P
 ClientSampleId :
 B-167-SB02RE

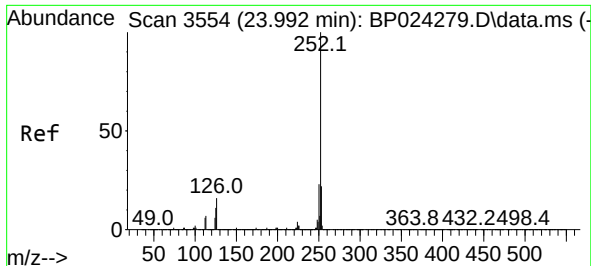
Tgt Ion: 276 Resp: 85
 Ion Ratio Lower Upper
 276 100
 138 78.8 14.5 21.7#
 277 83.5 20.2 30.2#



#88
 Benzo(b)fluoranthene
 Concen: 11.639 ng
 RT: 23.845 min Scan# 3529
 Delta R.T. -0.041 min
 Lab File: BP024529.D
 Acq: 05 May 2025 17:26

Tgt Ion: 252 Resp: 90
 Ion Ratio Lower Upper
 252 100
 253 102.4 17.7 26.5#
 125 121.1 9.4 14.0#





#89

Benzo(k)fluoranthene

Concen: 14.460 ng

RT: 23.921 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP024529.D

Acq: 05 May 2025 17:26

Instrument :

BNA_P

ClientSampleId :

B-167-SB02RE

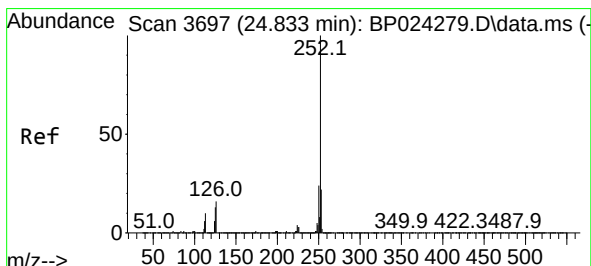
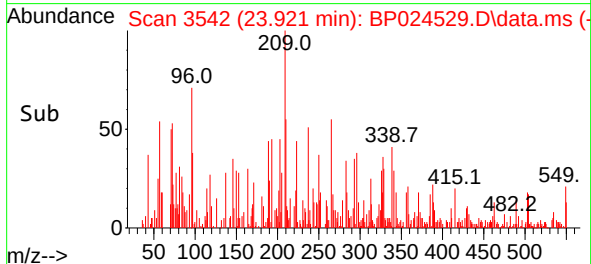
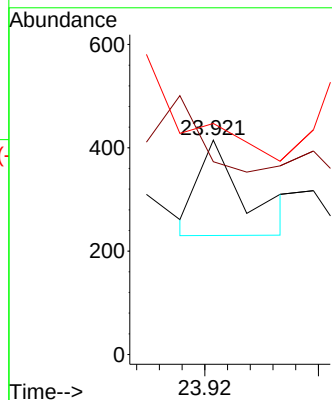
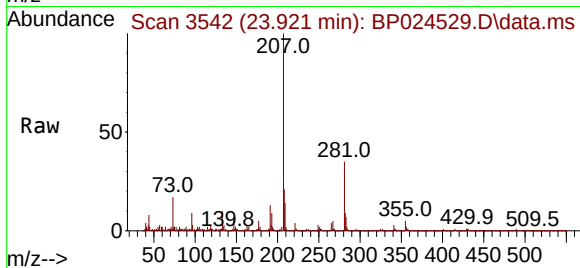
Tgt Ion:252 Resp: 108

Ion Ratio Lower Upper

252 100

253 89.9 17.7 26.5#

125 107.7 9.1 13.7#



#90

Benzo(a)pyrene

Concen: 40.480 ng

RT: 24.780 min Scan# 3688

Delta R.T. 0.000 min

Lab File: BP024529.D

Acq: 05 May 2025 17:26

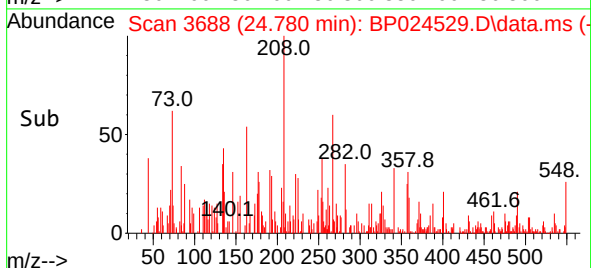
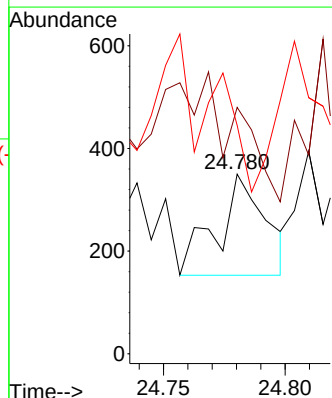
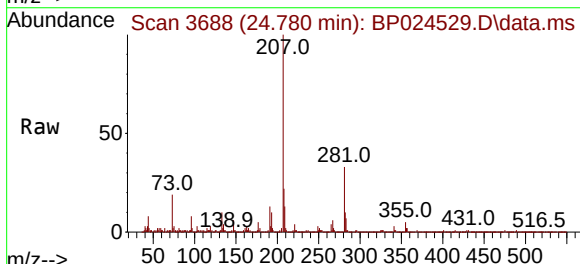
Tgt Ion:252 Resp: 270

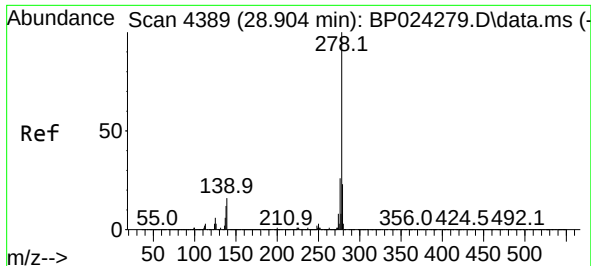
Ion Ratio Lower Upper

252 100

253 137.1 17.6 26.4#

125 127.1 10.1 15.1#

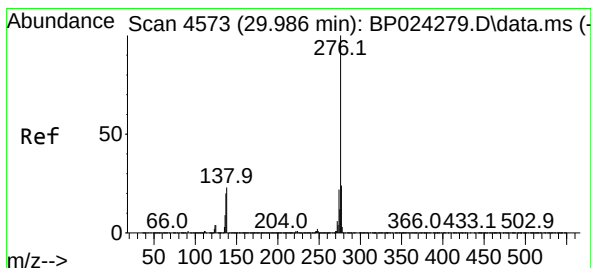
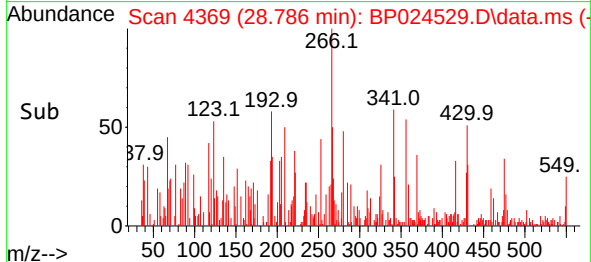
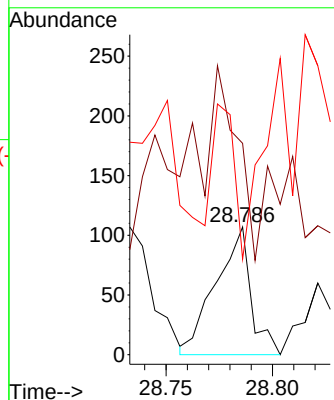
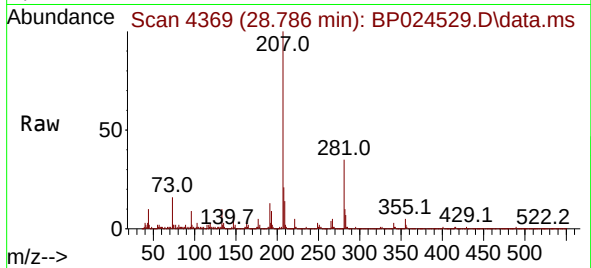




#91
Dibenzo(a,h)anthracene
Concen: 16.547 ng
RT: 28.786 min Scan# 41
Delta R.T. -0.017 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion:278 Resp: 123
Ion Ratio Lower Upper
278 100
139 183.2 12.6 19.0#
279 74.8 18.5 27.7#



#92
Benzo(g,h,i)perylene
Concen: 22.865 ng
RT: 29.892 min Scan# 4557
Delta R.T. -0.006 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:276 Resp: 173
Ion Ratio Lower Upper
276 100
277 35.8 18.9 28.3#
138 26.8 18.7 28.1

