

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120225\
 Data File : BP026219.D
 Acq On : 02 Dec 2025 22:43
 Operator : RC/JU
 Sample : Q3742-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-8

Quant Time: Dec 03 00:25:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

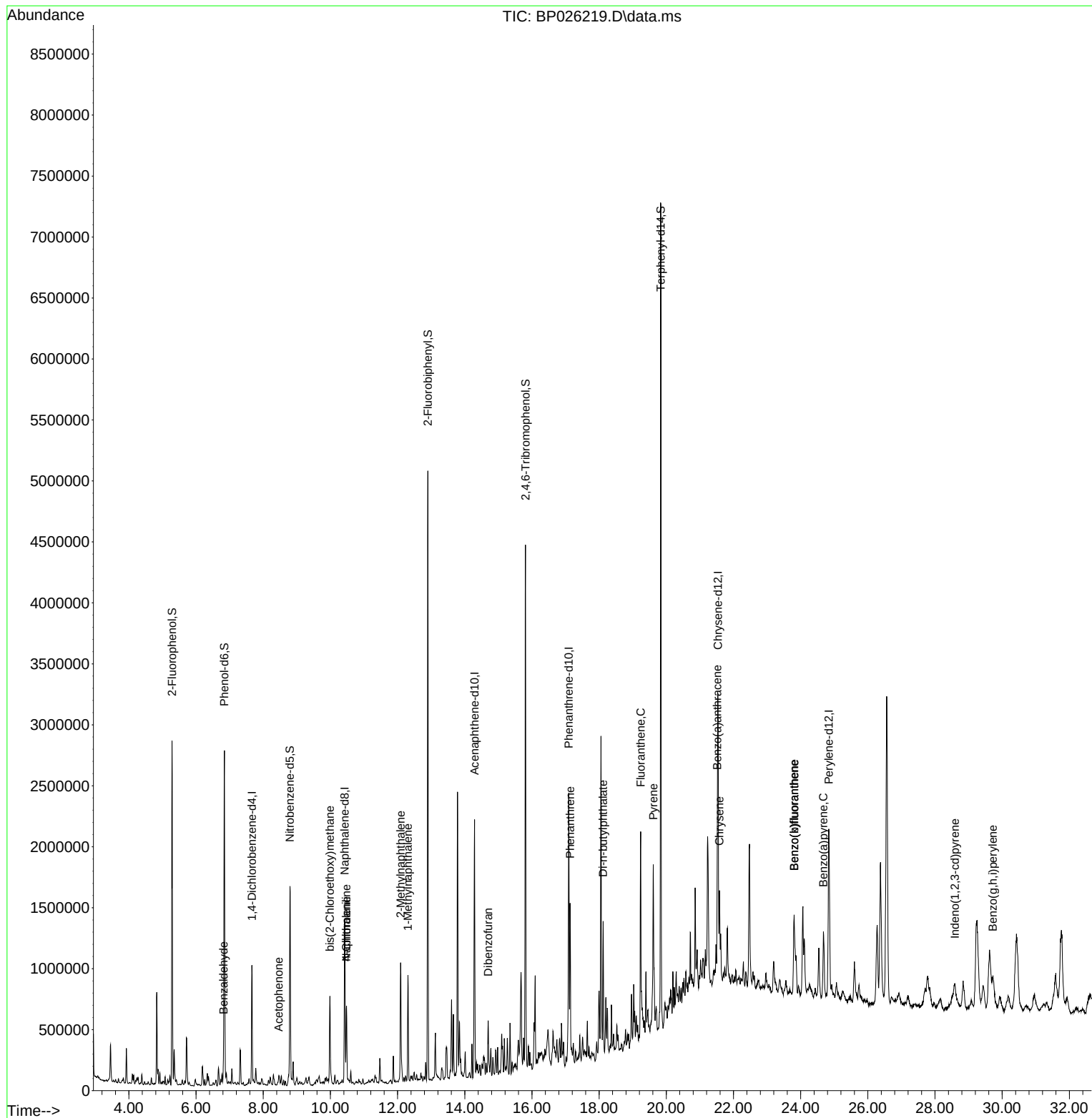
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	252451	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	1029964	20.000	ng	-0.02
39) Acenaphthene-d10	14.290	164	659114	20.000	ng	-0.04
64) Phenanthrene-d10	17.095	188	1295466	20.000	ng	-0.04
76) Chrysene-d12	21.536	240	1364770	20.000	ng	-0.04
86) Perylene-d12	24.836	264	1578690	20.000	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1284961	81.698	ng	0.00
7) Phenol-d6	6.843	99	1614990	80.656	ng	-0.01
23) Nitrobenzene-d5	8.796	82	976830	53.872	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	724735	84.761	ng	-0.03
45) 2-Fluorobiphenyl	12.901	172	2517477	55.978	ng	-0.03
79) Terphenyl-d14	19.830	244	3670021	54.832	ng	-0.04
Target Compounds						
						Qvalue
9) Benzaldehyde	6.813	77	47316	4.509	ng	96
22) Acetophenone	8.460	105	54283	2.073	ng	# 79
28) bis(2-Chloroethoxy)met...	9.984	93	84248	3.742	ng	# 55
31) Naphthalene	10.478	128	535396	9.618	ng	99
33) 4-Chloroaniline	10.478	127	69941	2.955	ng	# 40
37) 2-Methylnaphthalene	12.090	142	502264	12.728	ng	99
38) 1-Methylnaphthalene	12.307	142	409977	10.629	ng	98
55) Dibenzofuran	14.695	168	187018	3.201	ng	# 94
71) Phenanthrene	17.136	178	852645	11.684	ng	100
74) Di-n-butylphthalate	18.119	149	814616	9.720	ng	100
75) Fluoranthene	19.236	202	1007951	11.368	ng	99
78) Pyrene	19.613	202	913921	10.213	ng	98
81) Benzo(a)anthracene	21.519	228	516539	5.511	ng	97
83) Chrysene	21.583	228	578841	6.553	ng	97
87) Indeno(1,2,3-cd)pyrene	28.589	276	390312	3.297	ng	92
88) Benzo(b)fluoranthene	23.807	252	785081	8.166	ng	98
89) Benzo(k)fluoranthene	23.807	252	785081	8.176	ng	97
90) Benzo(a)pyrene	24.677	252	527573	5.793	ng	96
92) Benzo(g,h,i)perylene	29.724	276	381228	3.957	ng	99

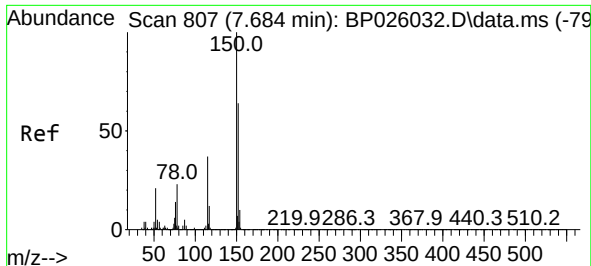
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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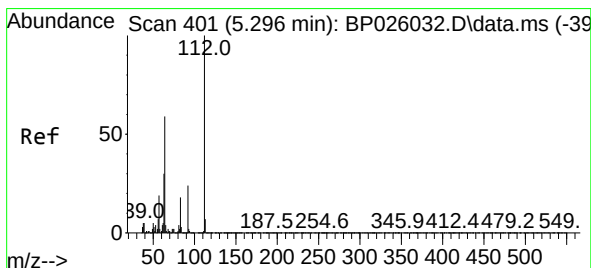
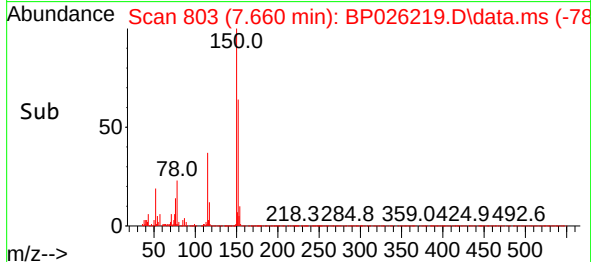
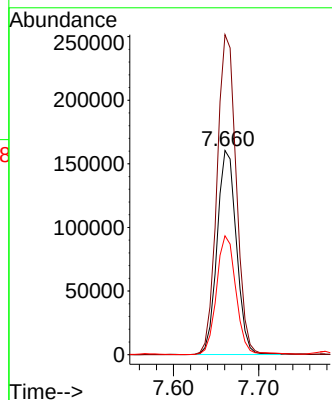
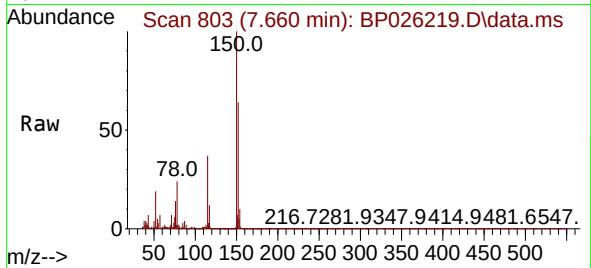




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.660 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

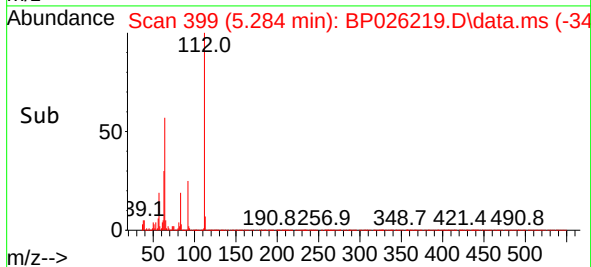
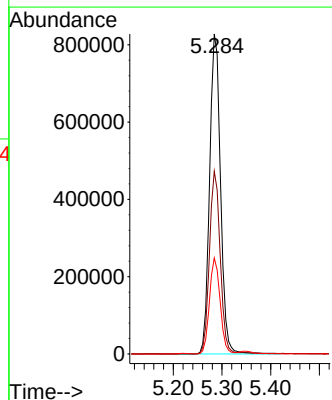
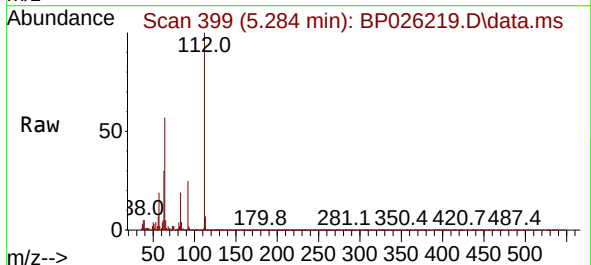
Instrument :
BNA_P
ClientSampleId :
SB-1125-8

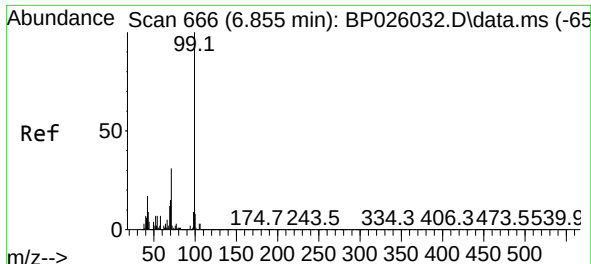
Tgt Ion:152 Resp: 252451
Ion Ratio Lower Upper
152 100
150 156.7 123.0 184.6
115 58.2 46.3 69.5



#5
2-Fluorophenol
Concen: 81.698 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:112 Resp: 1284961
Ion Ratio Lower Upper
112 100
64 57.1 45.8 68.6
63 30.0 23.5 35.3

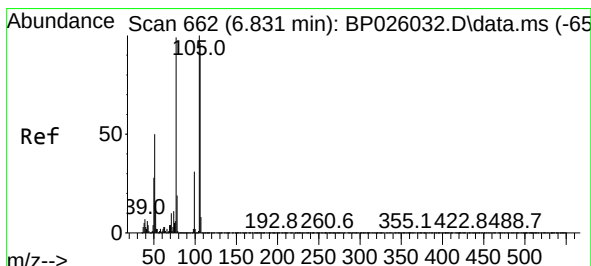
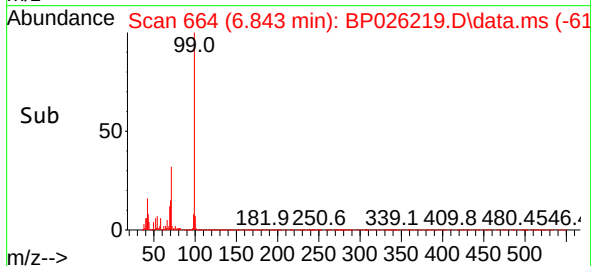
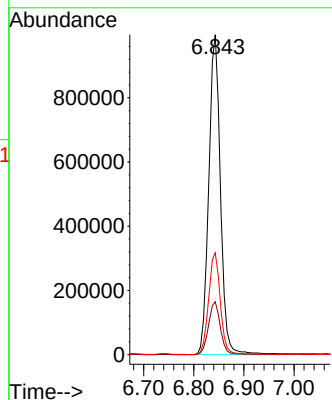
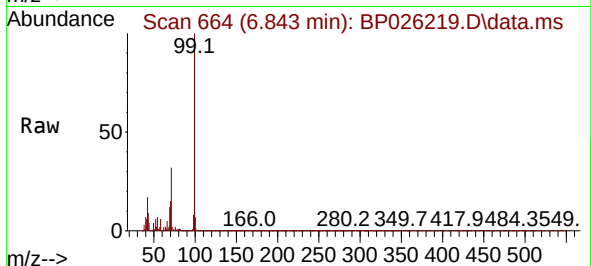




#7
Phenol-d6
Concen: 80.656 ng
RT: 6.843 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

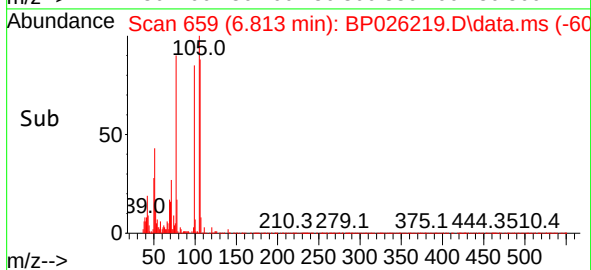
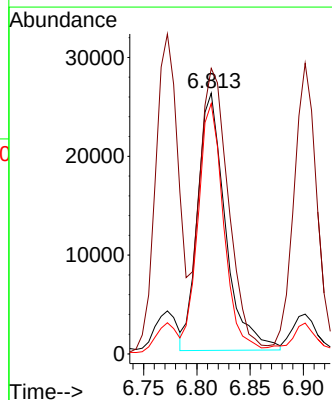
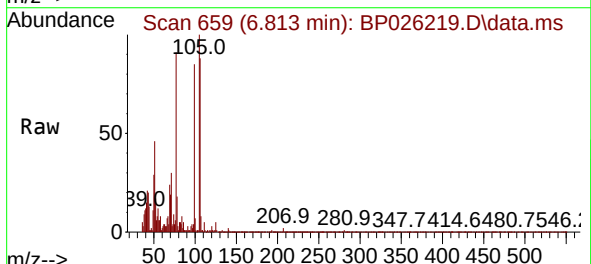
Instrument :
BNA_P
ClientSampleId :
SB-1125-8

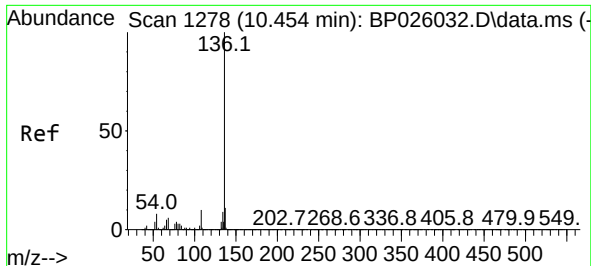
Tgt Ion: 99 Resp: 1614990
Ion Ratio Lower Upper
99 100
42 16.6 12.9 19.3
71 31.8 24.8 37.2



#9
Benzaldehyde
Concen: 4.509 ng
RT: 6.813 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion: 77 Resp: 47316
Ion Ratio Lower Upper
77 100
105 109.5 82.9 122.9
106 96.0 77.8 117.8



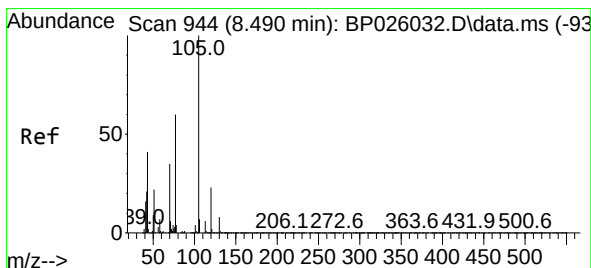
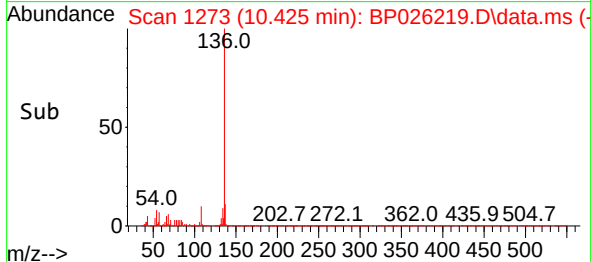
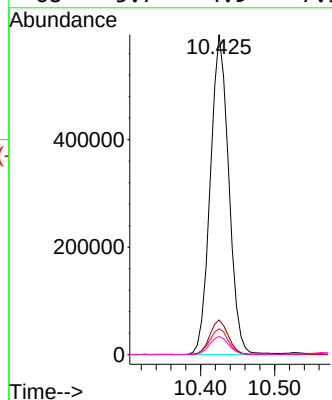
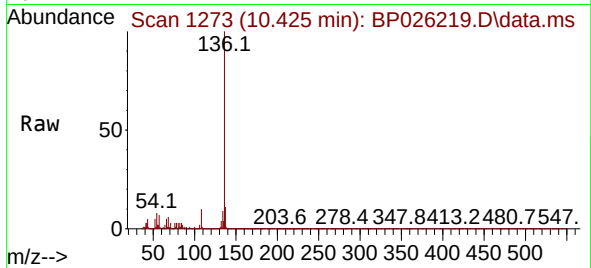


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Instrument :
BNA_P
ClientSampleId :
SB-1125-8

Tgt Ion:136 Resp: 1029964

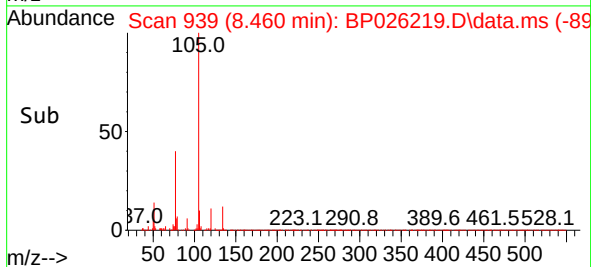
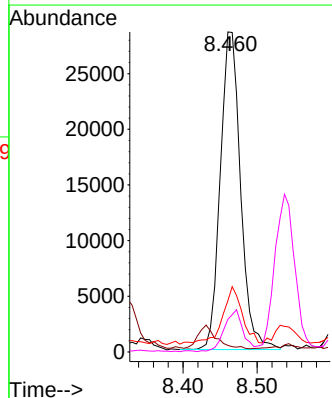
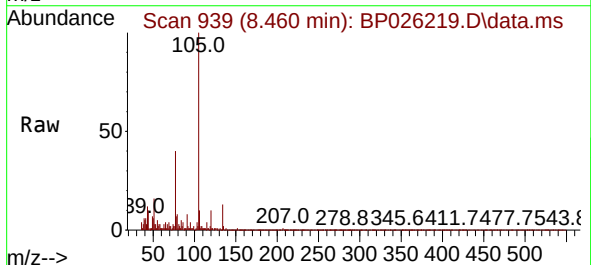
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.1	6.4	9.6
68	5.7	4.9	7.3

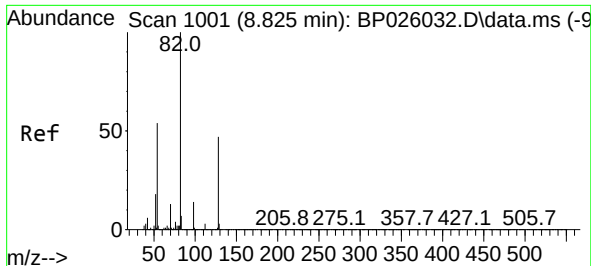


#22
Acetophenone
Concen: 2.073 ng
RT: 8.460 min Scan# 939
Delta R.T. -0.023 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:105 Resp: 54283

Ion	Ratio	Lower	Upper
105	100		
71	2.0	3.0	4.4#
51	16.0	20.5	30.7#
120	10.2	18.2	27.2#

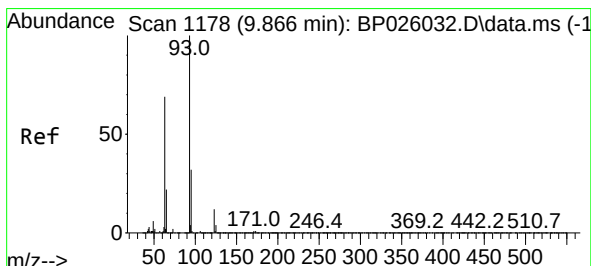
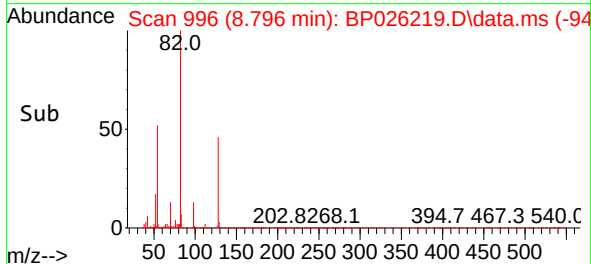
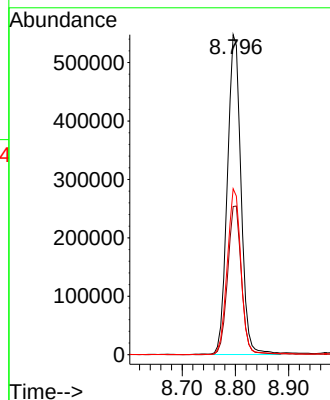
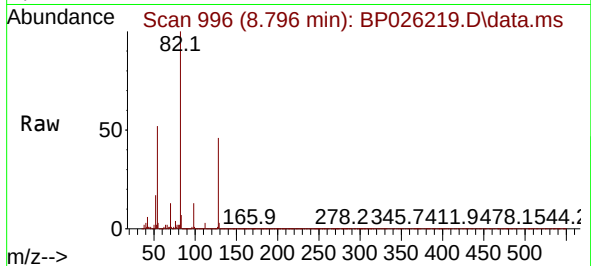




#23
 Nitrobenzene-d5
 Concen: 53.872 ng
 RT: 8.796 min Scan# 91
 Delta R.T. -0.018 min
 Lab File: BP026219.D
 Acq: 02 Dec 2025 22:43

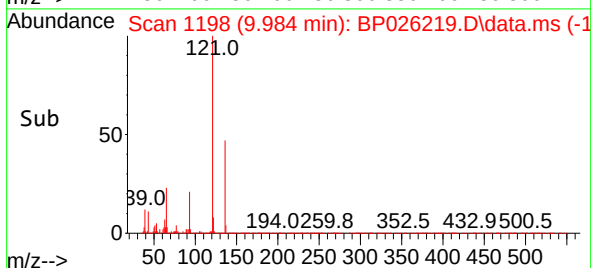
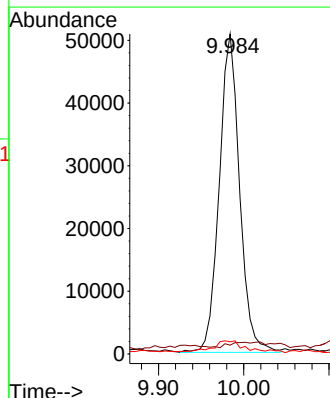
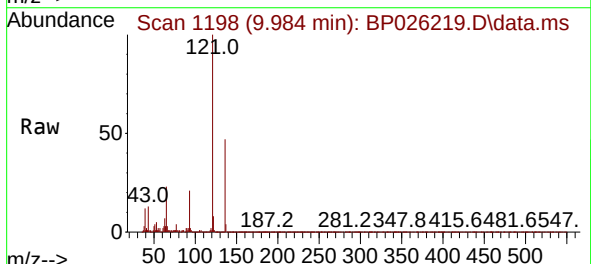
Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-8

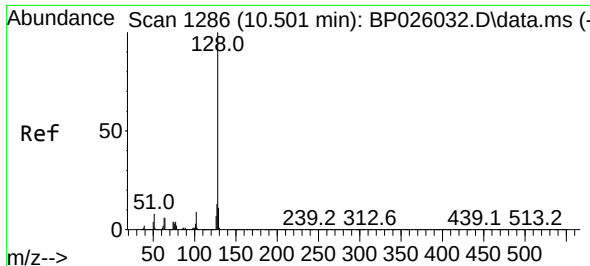
Tgt Ion: 82 Resp: 976830
 Ion Ratio Lower Upper
 82 100
 128 46.3 37.4 56.0
 54 51.9 41.6 62.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.742 ng
 RT: 9.984 min Scan# 1198
 Delta R.T. 0.124 min
 Lab File: BP026219.D
 Acq: 02 Dec 2025 22:43

Tgt Ion: 93 Resp: 84248
 Ion Ratio Lower Upper
 93 100
 95 2.7 26.4 39.6#
 123 3.8 9.4 14.0#

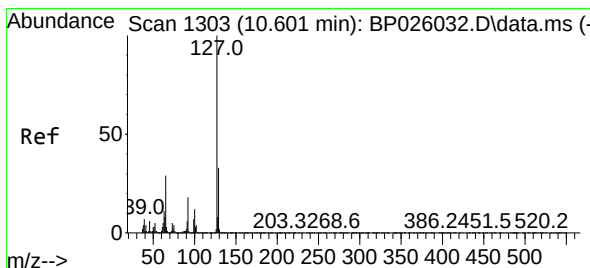
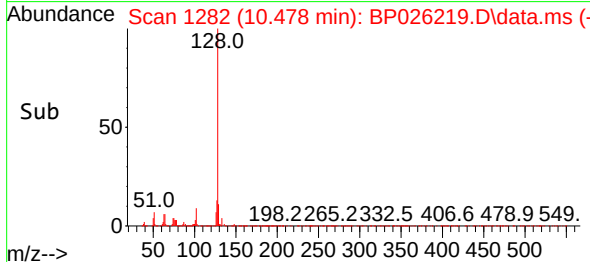
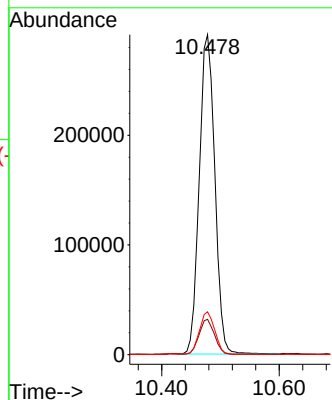
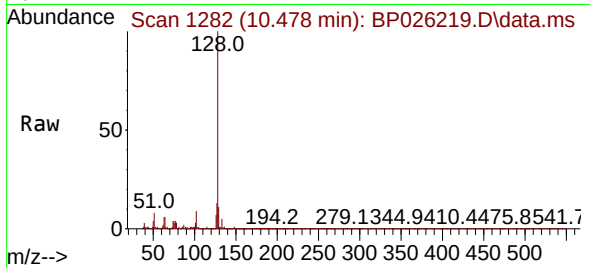




#31
Naphthalene
Concen: 9.618 ng
RT: 10.478 min Scan# 1282
Delta R.T. -0.018 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

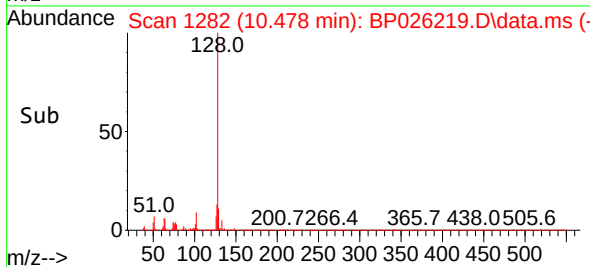
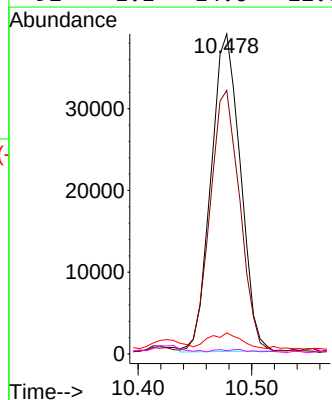
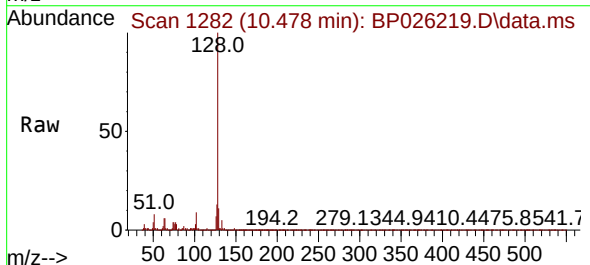
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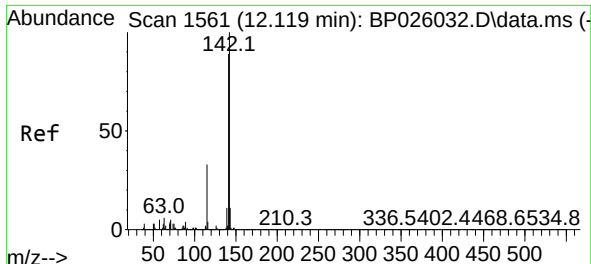
Tgt Ion:128 Resp: 535396
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.4 10.2 15.4



#33
4-Chloroaniline
Concen: 2.955 ng
RT: 10.478 min Scan# 1282
Delta R.T. -0.117 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:127 Resp: 69941
Ion Ratio Lower Upper
127 100
129 82.4 25.8 38.8#
65 6.6 22.7 34.1#
92 1.1 14.6 22.0#

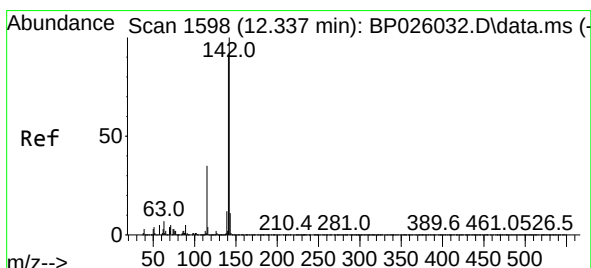
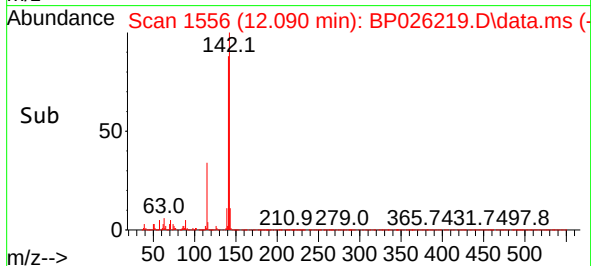
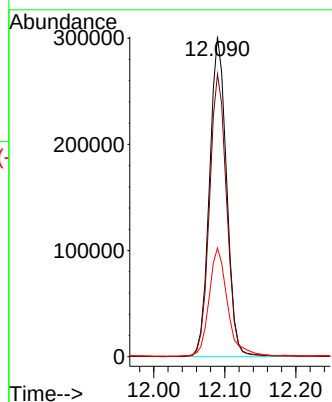
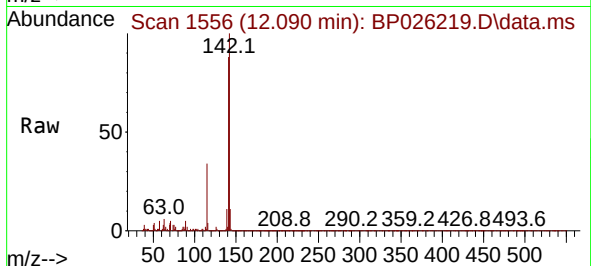




#37
2-Methylnaphthalene
Concen: 12.728 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.023 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

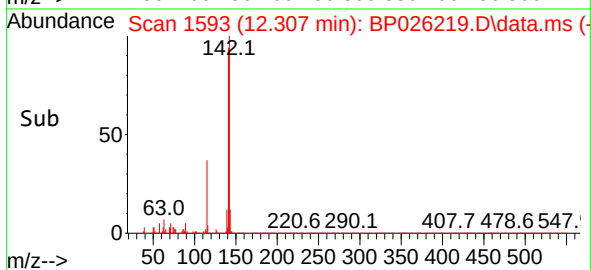
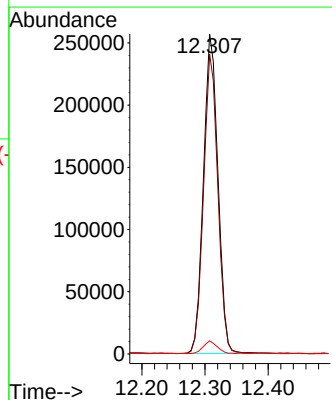
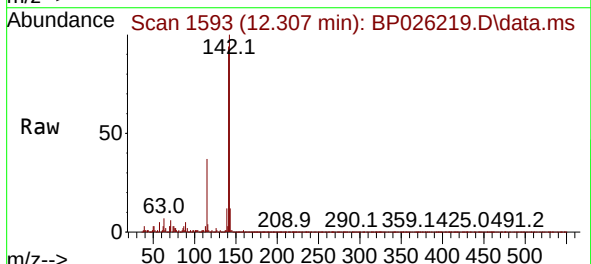
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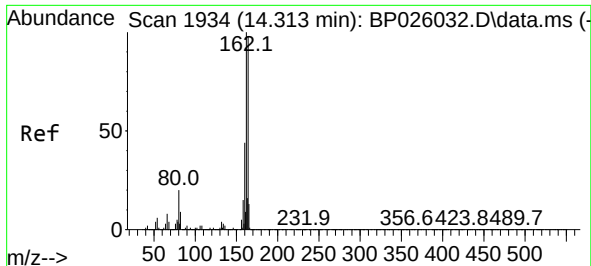
Tgt Ion:142 Resp: 502264
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.6
115 34.0 26.6 39.8



#38
1-Methylnaphthalene
Concen: 10.629 ng
RT: 12.307 min Scan# 1593
Delta R.T. -0.023 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:142 Resp: 409977
Ion Ratio Lower Upper
142 100
141 93.7 73.5 110.3
116 4.1 3.0 4.4

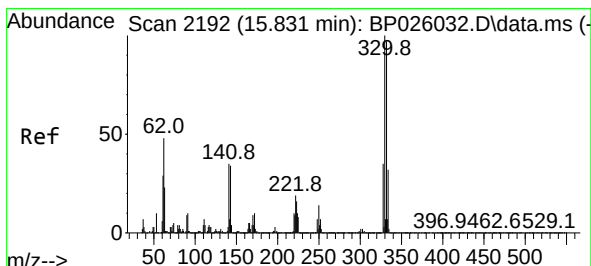
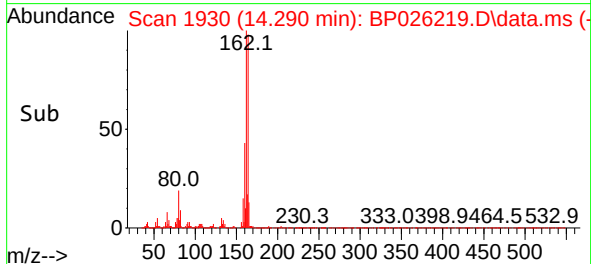
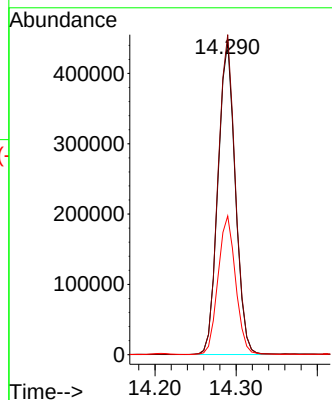
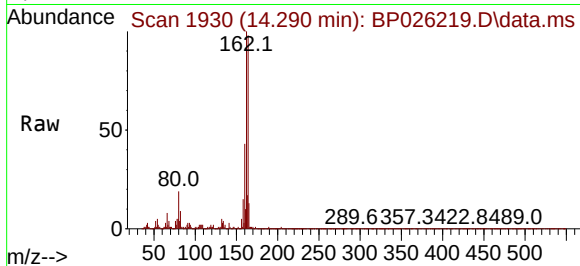




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.290 min Scan# 1934
Delta R.T. -0.035 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

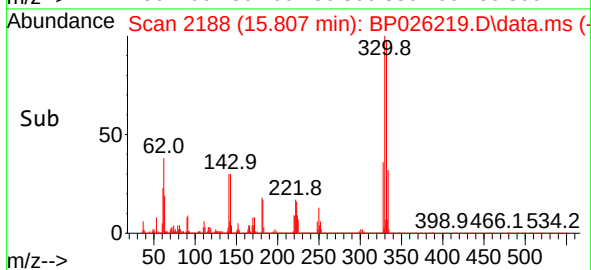
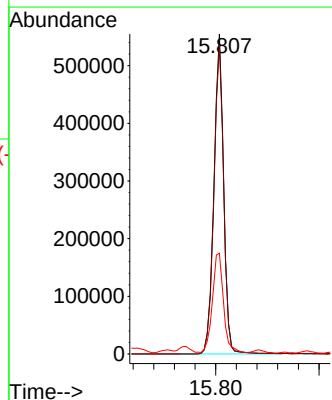
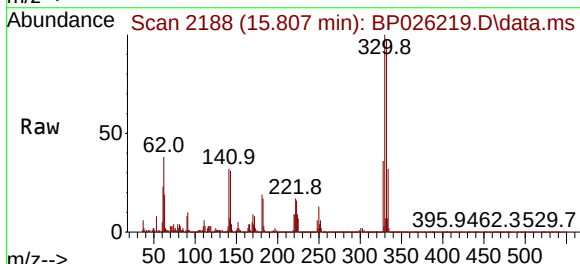
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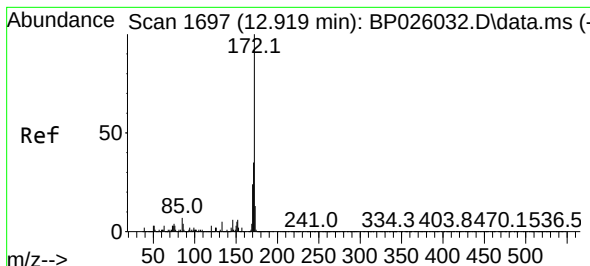
Tgt Ion:164 Resp: 659114
Ion Ratio Lower Upper
164 100
162 102.3 80.3 120.5
160 44.4 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 84.761 ng
RT: 15.807 min Scan# 2188
Delta R.T. -0.029 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:330 Resp: 724735
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 35.6 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 55.978 ng

RT: 12.901 min Scan# 1

Delta R.T. -0.029 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

Instrument :

BNA_P

ClientSampleId :

SB-1125-8

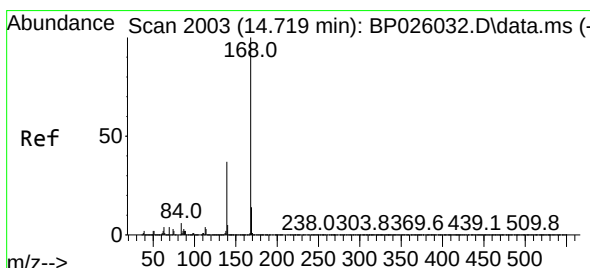
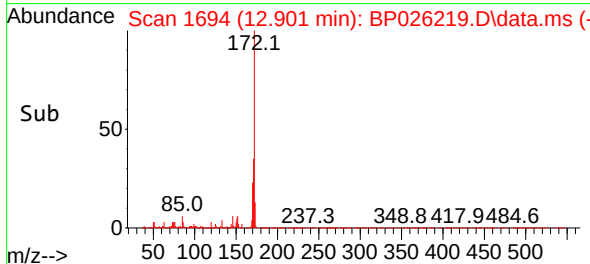
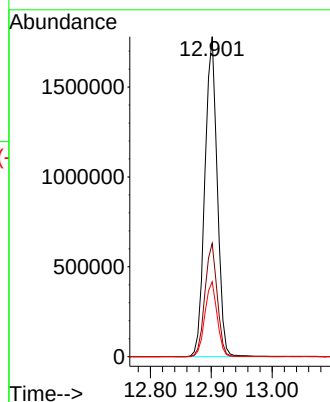
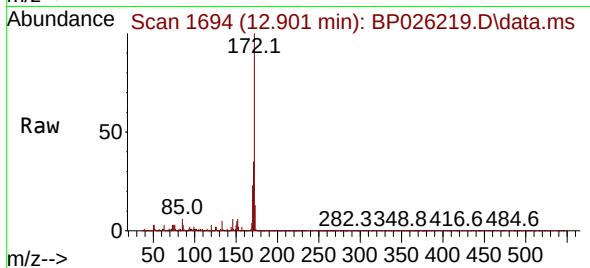
Tgt Ion:172 Resp: 2517477

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.4 18.7 28.1



#55

Dibenzofuran

Concen: 3.201 ng

RT: 14.695 min Scan# 1999

Delta R.T. -0.029 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

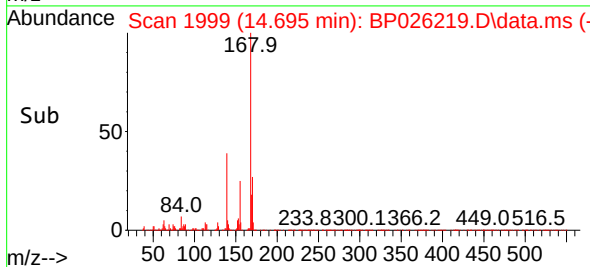
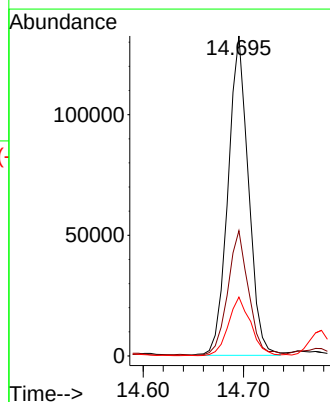
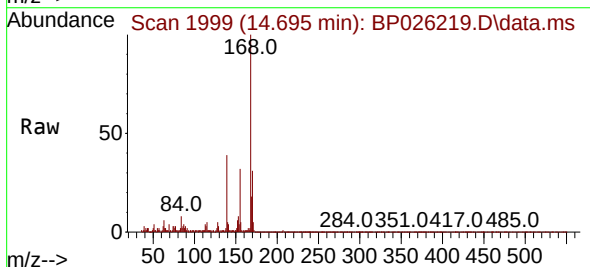
Tgt Ion:168 Resp: 187018

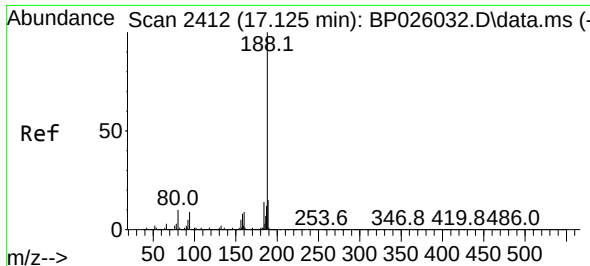
Ion Ratio Lower Upper

168 100

139 39.2 29.8 44.6

169 18.4 10.9 16.3#

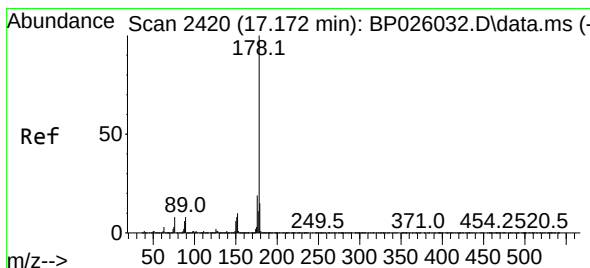
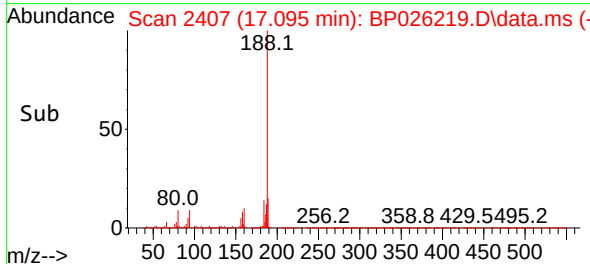
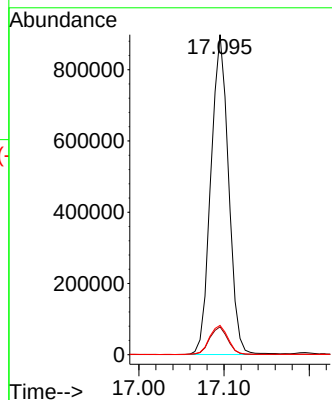
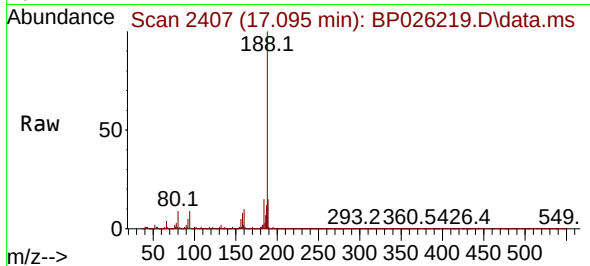




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.095 min Scan# 2412
Delta R.T. -0.035 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

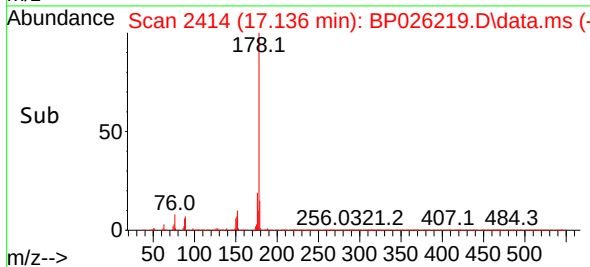
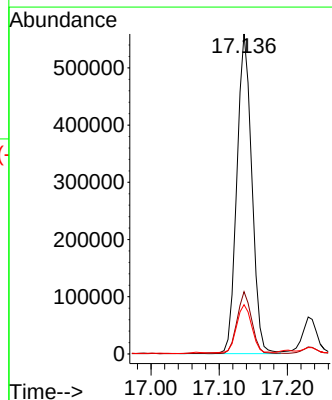
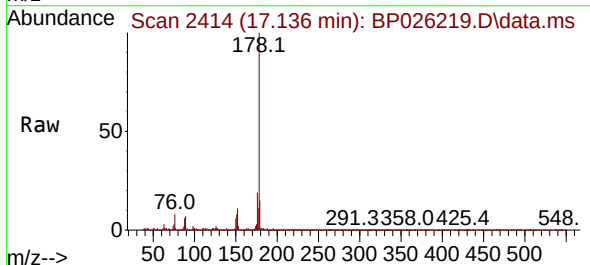
Instrument :
BNA_P
ClientSampleId :
SB-1125-8

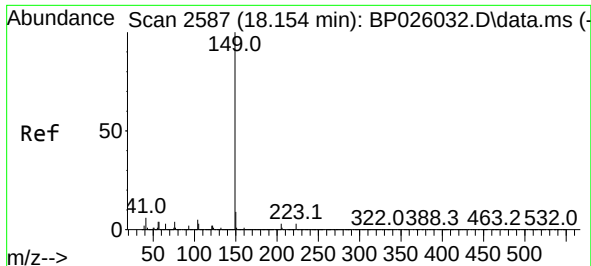
Tgt Ion:188 Resp: 1295466
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.1 8.2 12.2



#71
Phenanthrene
Concen: 11.684 ng
RT: 17.136 min Scan# 2414
Delta R.T. -0.041 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:178 Resp: 852645
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.4 12.4 18.6

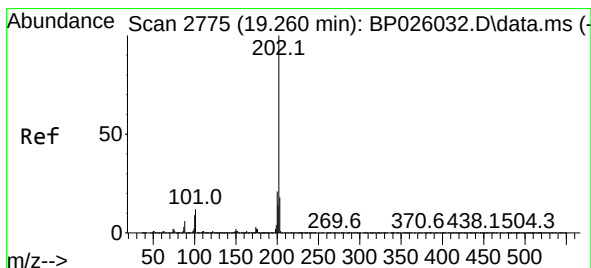
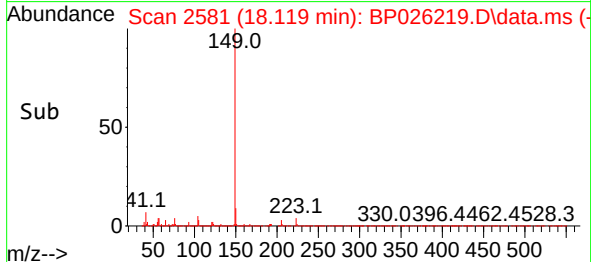
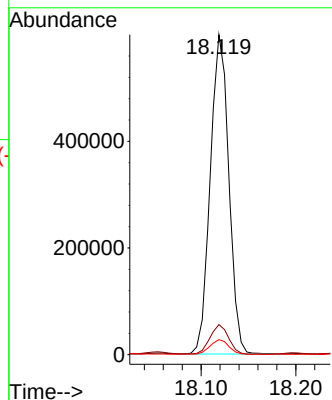
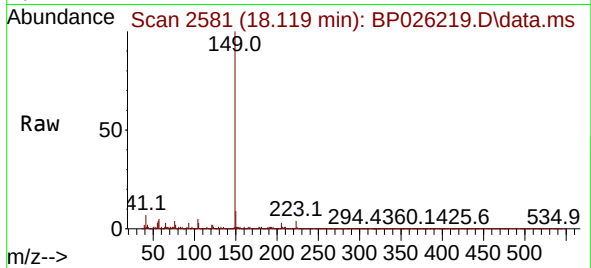




#74
Di-n-butylphthalate
Concen: 9.720 ng
RT: 18.119 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

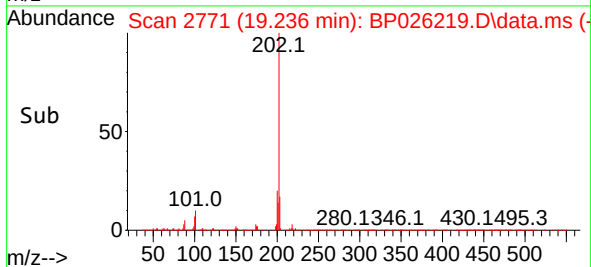
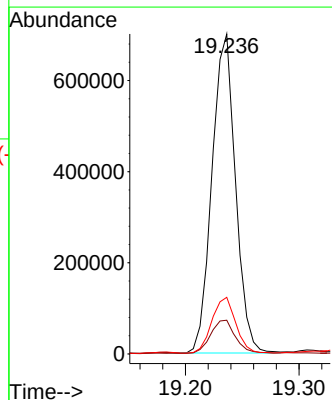
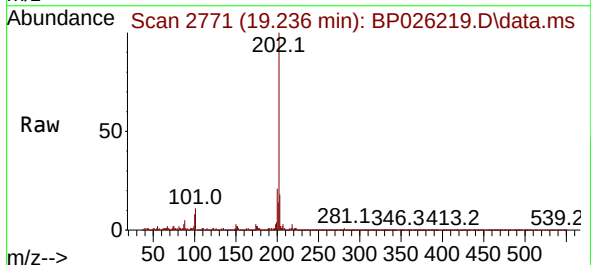
Instrument :
BNA_P
ClientSampleId :
SB-1125-8

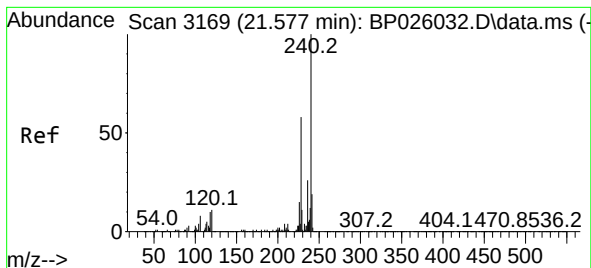
Tgt Ion:149 Resp: 814616
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.7 3.6 5.4



#75
Fluoranthene
Concen: 11.368 ng
RT: 19.236 min Scan# 2771
Delta R.T. -0.029 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:202 Resp: 1007951
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.2
203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.035 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

Instrument :

BNA_P

ClientSampleId :

SB-1125-8

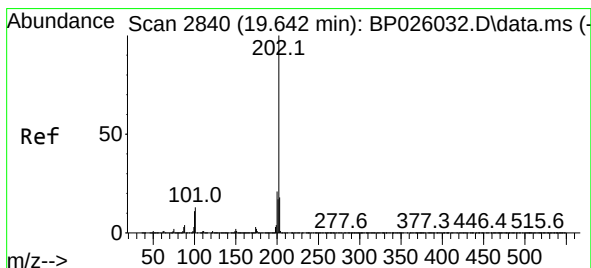
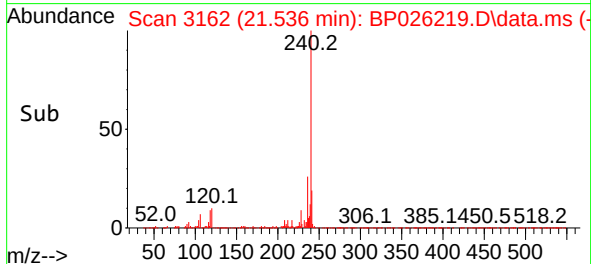
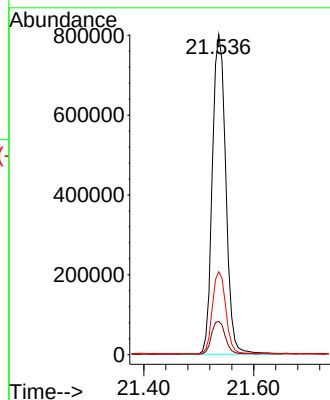
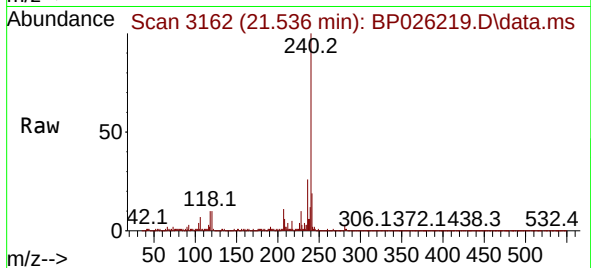
Tgt Ion:240 Resp: 1364770

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.4

236 25.9 20.4 30.6



#78

Pyrene

Concen: 10.213 ng

RT: 19.613 min Scan# 2835

Delta R.T. -0.029 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

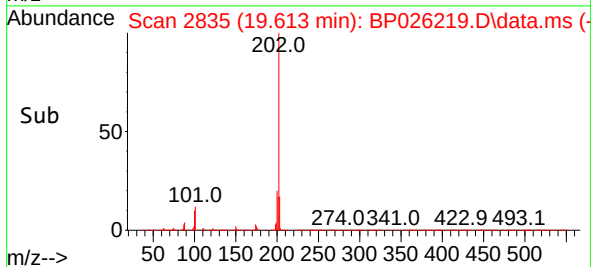
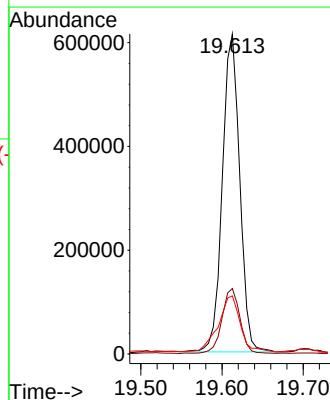
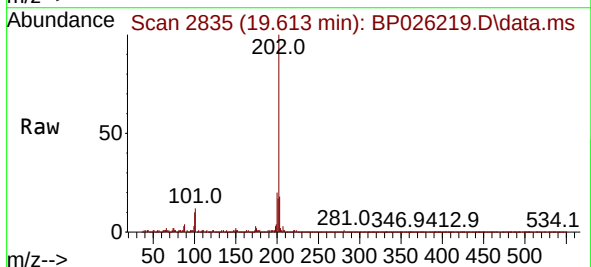
Tgt Ion:202 Resp: 913921

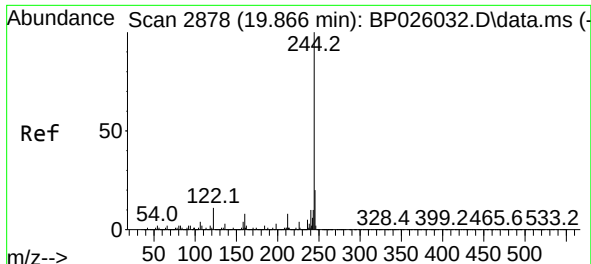
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 18.2 13.8 20.8

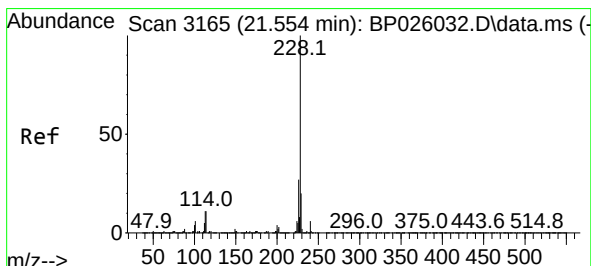
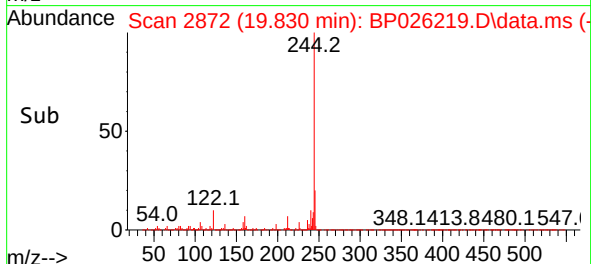
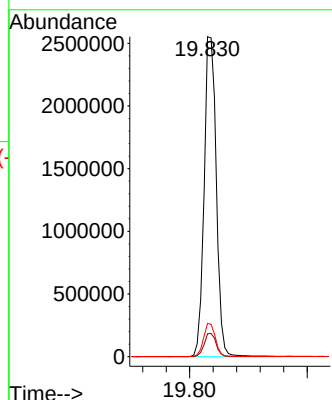
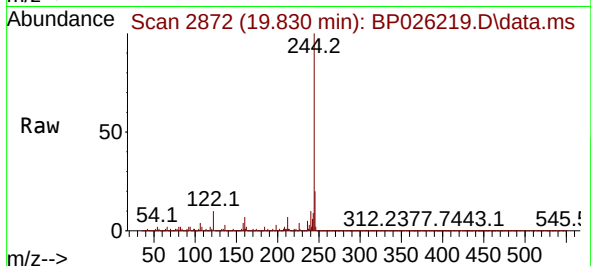




#79
Terphenyl-d14
Concen: 54.832 ng
RT: 19.830 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

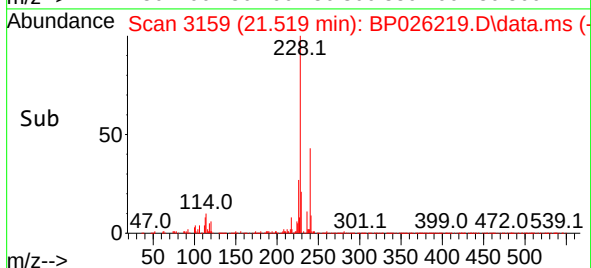
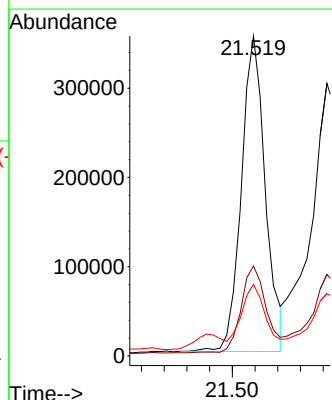
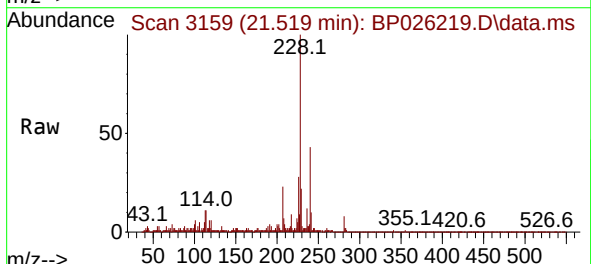
Instrument :
BNA_P
ClientSampleId :
SB-1125-8

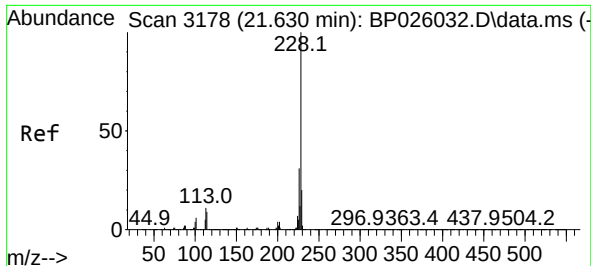
Tgt Ion:244 Resp: 3670021
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.4 8.2 12.2



#81
Benzo(a)anthracene
Concen: 5.511 ng
RT: 21.519 min Scan# 3159
Delta R.T. -0.035 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

Tgt Ion:228 Resp: 516539
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 22.4 15.9 23.9





#83

Chrysene

Concen: 6.553 ng

RT: 21.583 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

Instrument :

BNA_P

ClientSampleId :

SB-1125-8

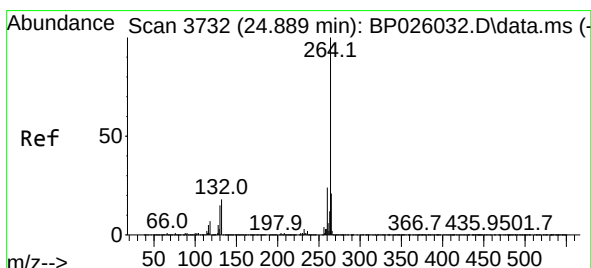
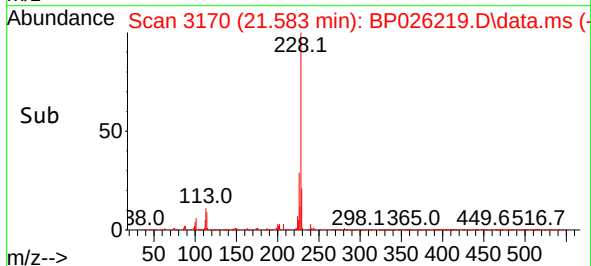
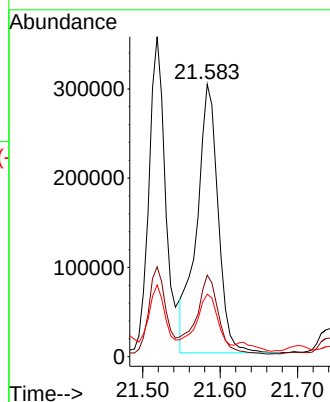
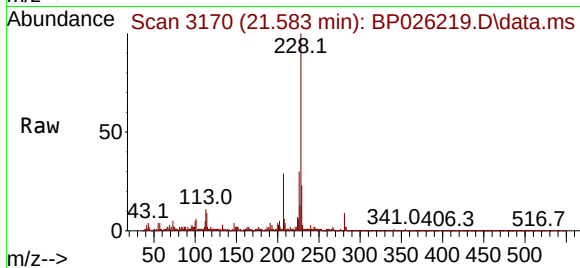
Tgt Ion:228 Resp: 578841

Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 22.9 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.836 min Scan# 3723

Delta R.T. -0.070 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

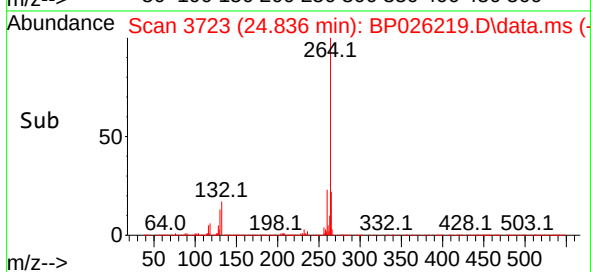
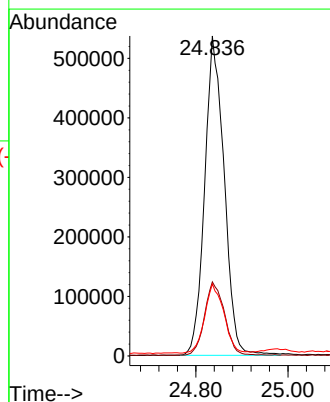
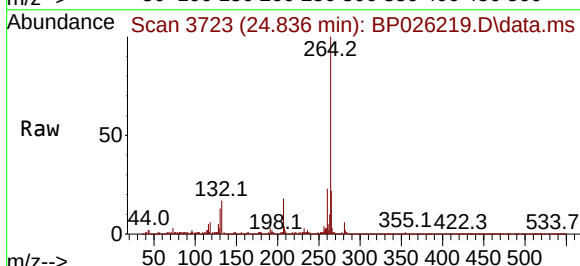
Tgt Ion:264 Resp: 1578690

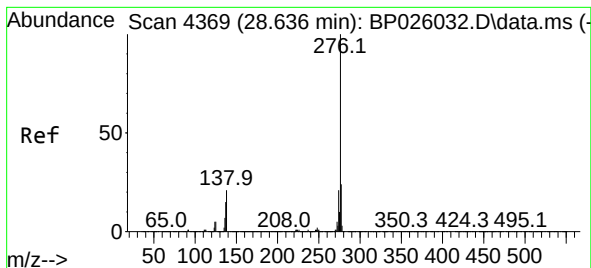
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.297 ng

RT: 28.589 min Scan# 41

Delta R.T. -0.117 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

Instrument :

BNA_P

ClientSampleId :

SB-1125-8

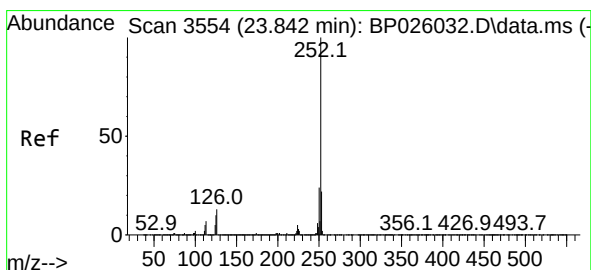
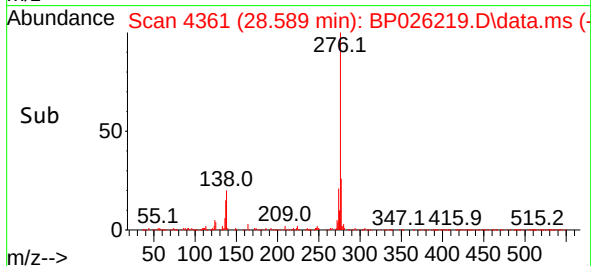
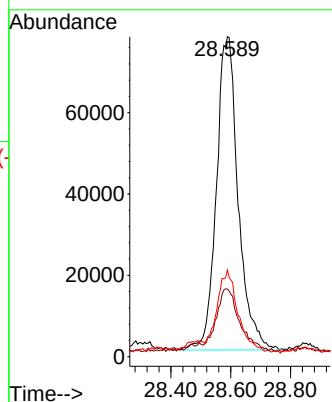
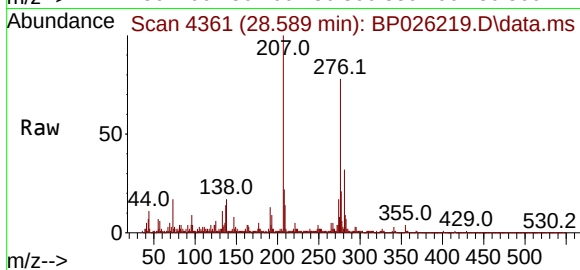
Tgt Ion:276 Resp: 390312

Ion Ratio Lower Upper

276 100

138 20.6 13.8 20.8

277 25.1 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 8.166 ng

RT: 23.807 min Scan# 3548

Delta R.T. -0.059 min

Lab File: BP026219.D

Acq: 02 Dec 2025 22:43

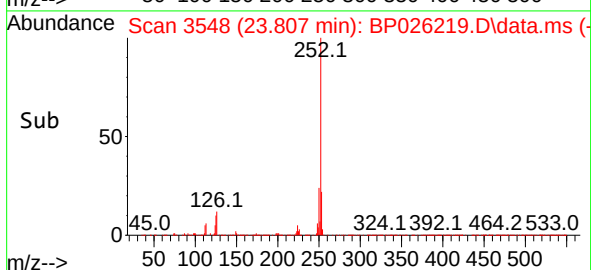
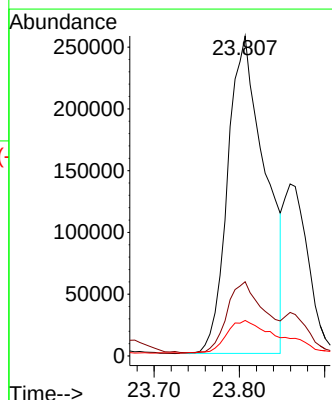
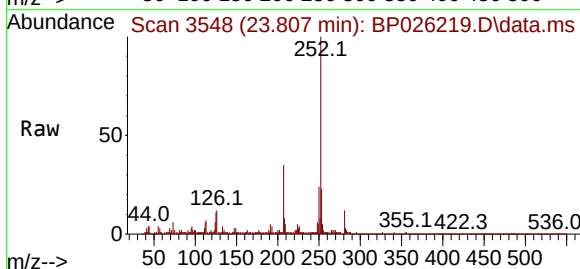
Tgt Ion:252 Resp: 785081

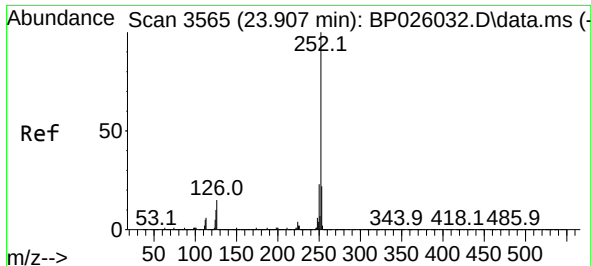
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 11.1 8.2 12.4

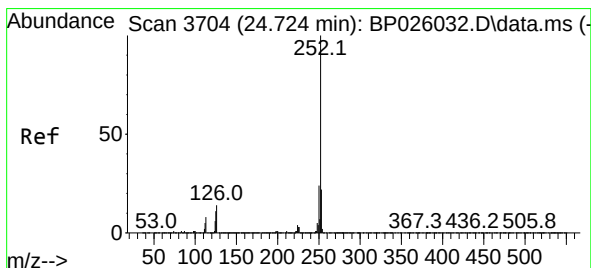
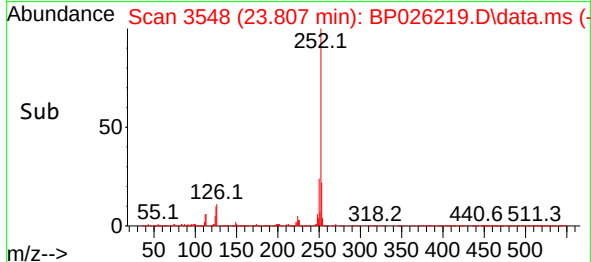
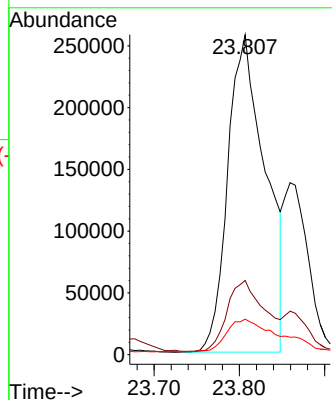
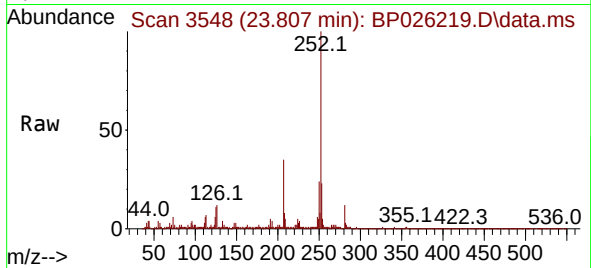




#89
Benzo(k)fluoranthene
Concen: 8.176 ng
RT: 23.807 min Scan# 31
Delta R.T. -0.129 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

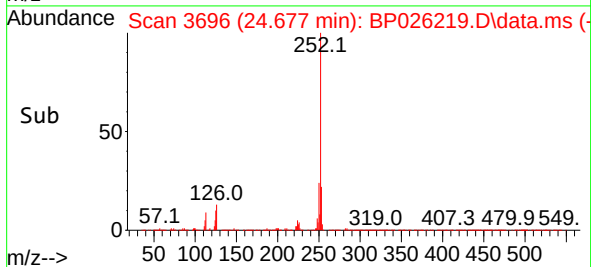
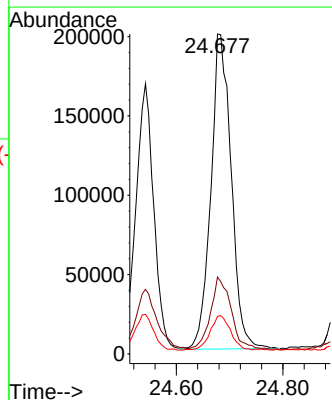
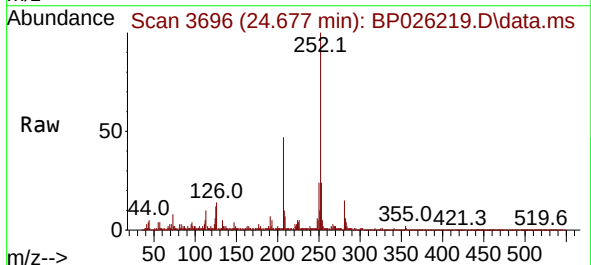
Instrument :
BNA_P
ClientSampleId :
SB-1125-8

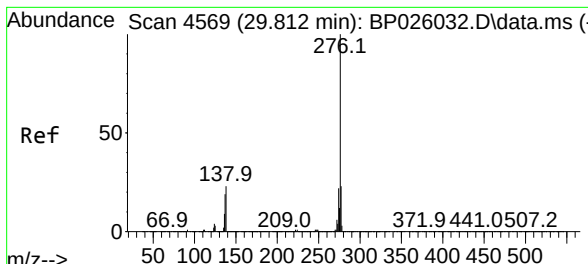
Tgt Ion:252 Resp: 785081
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 11.1 7.5 11.3



#90
Benzo(a)pyrene
Concen: 5.793 ng
RT: 24.677 min Scan# 3696
Delta R.T. -0.076 min
Lab File: BP026219.D
Acq: 02 Dec 2025 22:43

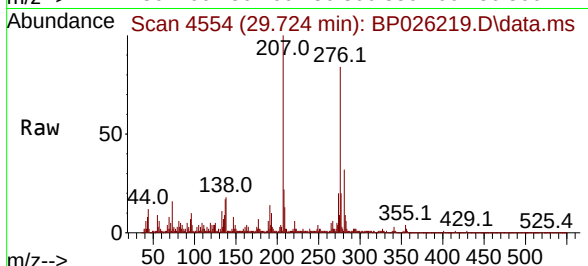
Tgt Ion:252 Resp: 527573
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 11.8 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.957 ng
 RT: 29.724 min Scan# 4
 Delta R.T. -0.159 min
 Lab File: BP026219.D
 Acq: 02 Dec 2025 22:43

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-8



Tgt Ion: 276 Resp: 381228

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	21.7	17.8	26.6

