

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121225\
 Data File : BP026317.D
 Acq On : 12 Dec 2025 19:48
 Operator : RC/JU
 Sample : Q3839-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COAN6

Quant Time: Dec 15 02:19:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 01:38:31 2025
 Response via : Initial Calibration

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

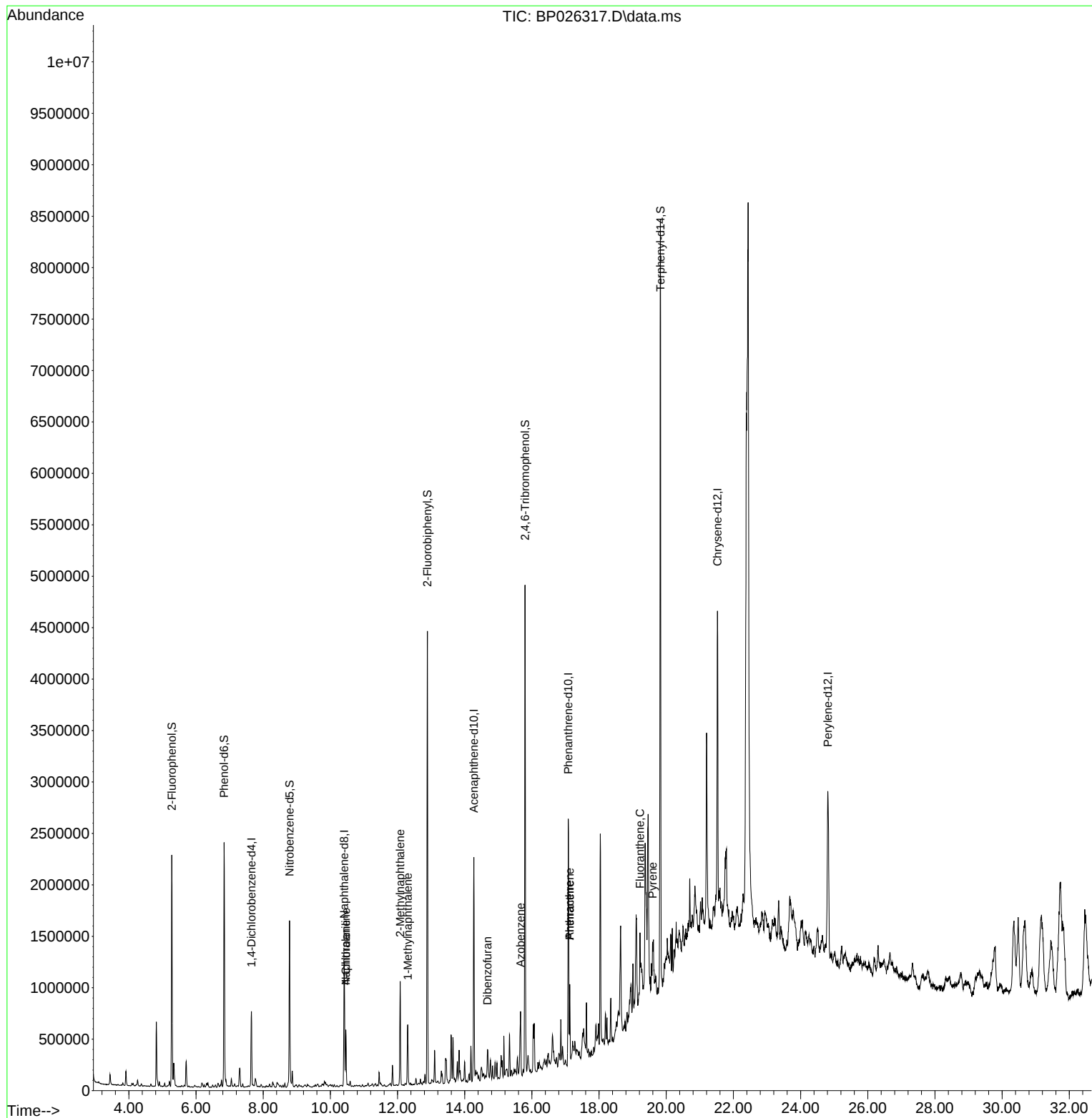
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	209247	20.000	ng	-0.02
21) Naphthalene-d8	10.413	136	945816	20.000	ng	-0.03
39) Acenaphthene-d10	14.272	164	707950	20.000	ng	-0.04
64) Phenanthrene-d10	17.084	188	1531793	20.000	ng	-0.05
76) Chrysene-d12	21.524	240	1804530	20.000	ng	-0.05
86) Perylene-d12	24.807	264	1959353	20.000	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	1067423	82.012	ng	-0.01
7) Phenol-d6	6.837	99	1434423	87.310	ng	-0.02
23) Nitrobenzene-d5	8.784	82	870852	52.409	ng	-0.03
42) 2,4,6-Tribromophenol	15.795	330	897830	97.520	ng	-0.04
45) 2-Fluorobiphenyl	12.890	172	2428689	49.877	ng	-0.03
79) Terphenyl-d14	19.825	244	4229987	47.911	ng	-0.05
Target Compounds						
						Qvalue
31) Naphthalene	10.460	128	431500	8.439	ng	99
33) 4-Chloroaniline	10.460	127	55804	2.605	ng	# 35
37) 2-Methylnaphthalene	12.078	142	448217	12.437	ng	99
38) 1-Methylnaphthalene	12.301	142	305985	8.691	ng	99
55) Dibenzofuran	14.678	168	157636	2.508	ng	# 92
63) Azobenzene	15.660	77	172281	3.872	ng	# 1
71) Phenanthrene	17.125	178	474023	5.489	ng	99
72) Anthracene	17.125	178	474023	5.389	ng	99
75) Fluoranthene	19.219	202	317695	3.023	ng	98
78) Pyrene	19.595	202	296836	2.524	ng	97

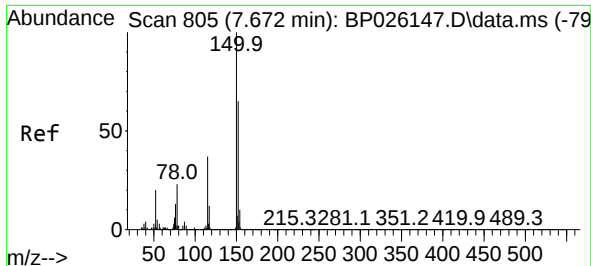
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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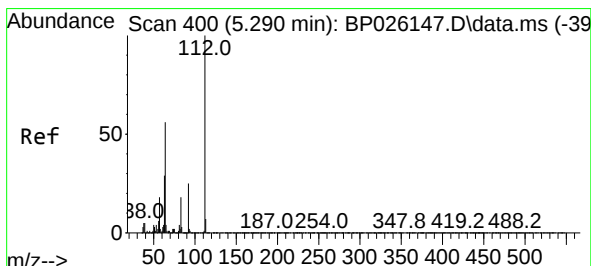
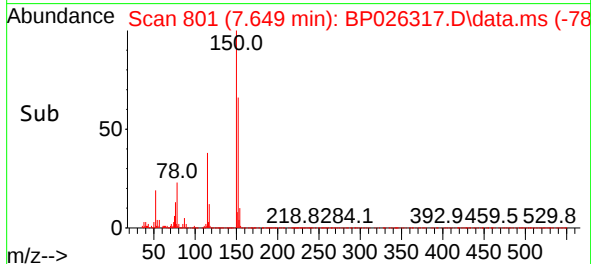
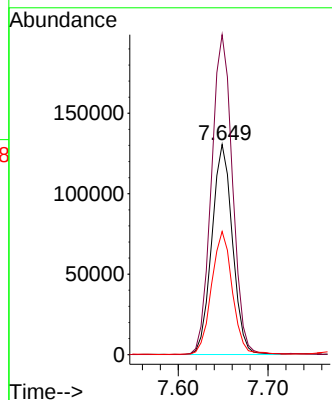
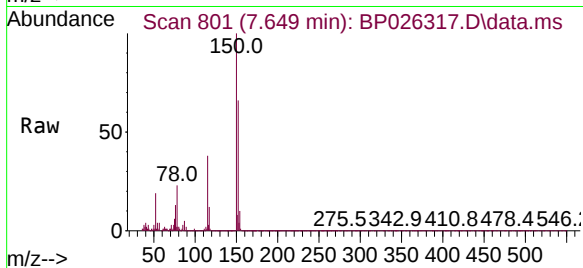




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.023 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

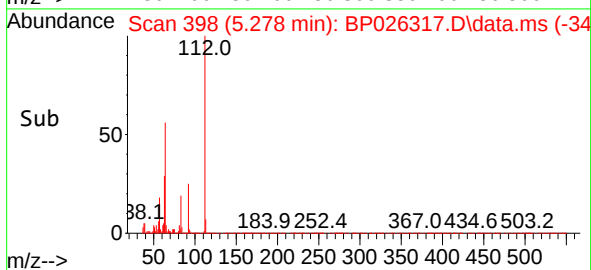
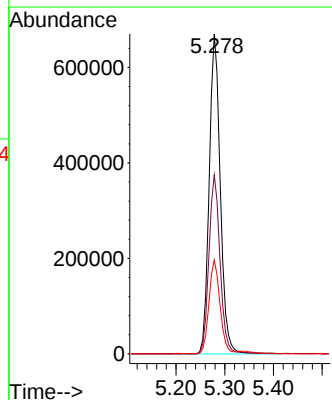
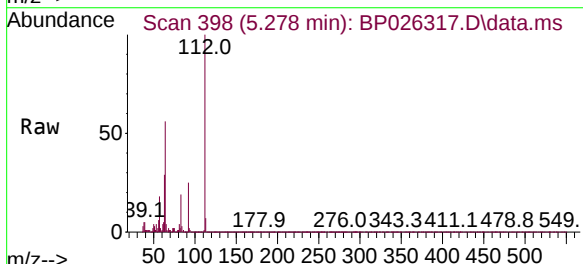
Instrument :
BNA_P
ClientSampleId :
COAN6

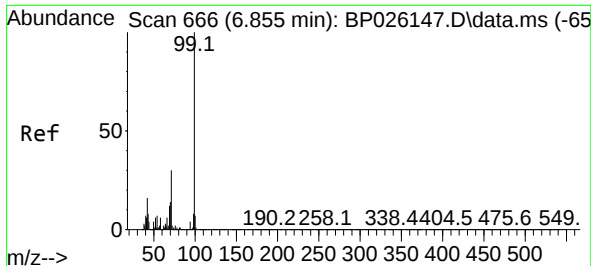
Tgt Ion:152 Resp: 209247
Ion Ratio Lower Upper
152 100
150 152.3 123.0 184.6
115 58.6 46.3 69.5



#5
2-Fluorophenol
Concen: 82.012 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.012 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion:112 Resp: 1067423
Ion Ratio Lower Upper
112 100
64 55.9 45.8 68.6
63 29.4 23.5 35.3

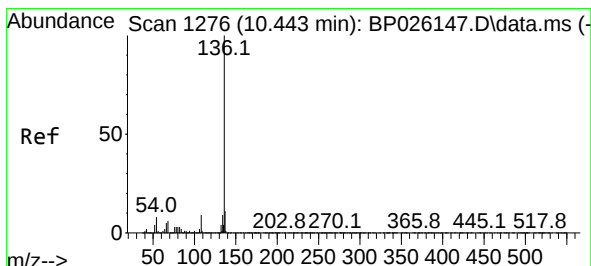
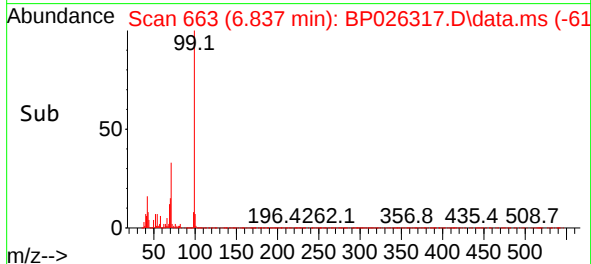
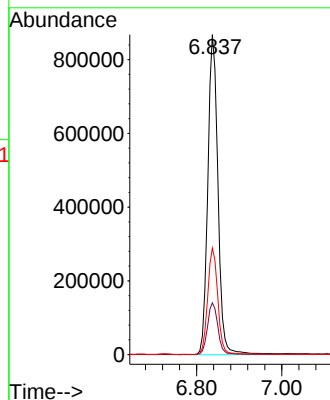
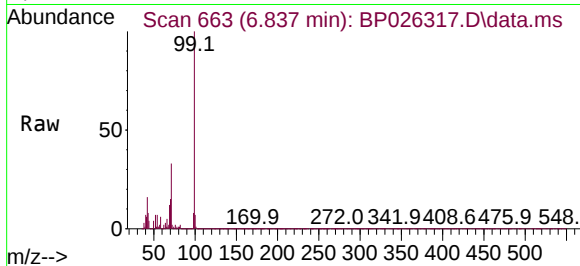




#7
Phenol-d6
Concen: 87.310 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.018 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

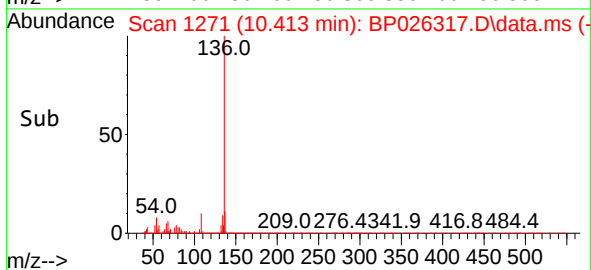
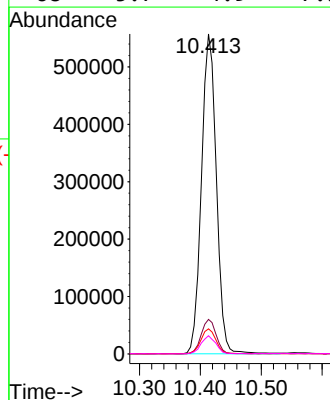
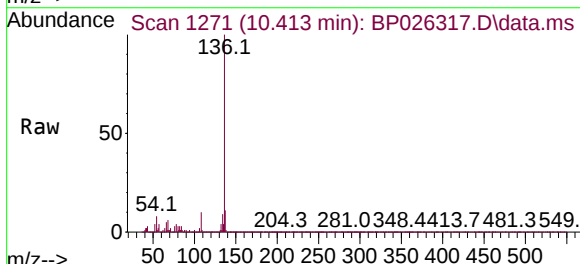
Instrument :
BNA_P
ClientSampleId :
COAN6

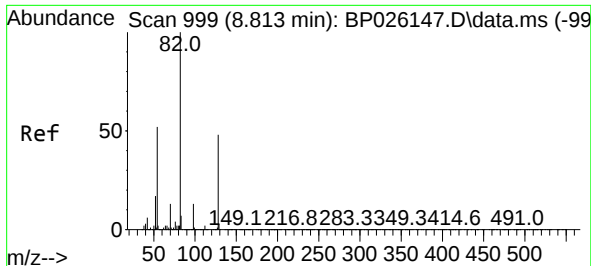
Tgt Ion: 99 Resp: 1434423
Ion Ratio Lower Upper
99 100
42 16.2 12.9 19.3
71 33.3 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.029 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion: 136 Resp: 945816
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 6.4 9.6
68 5.7 4.9 7.3

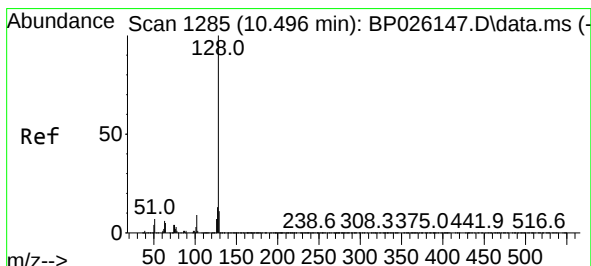
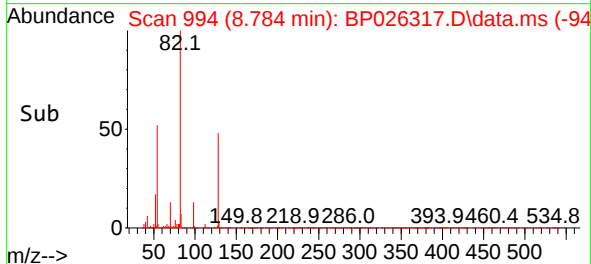
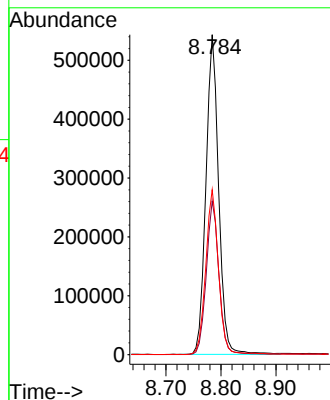
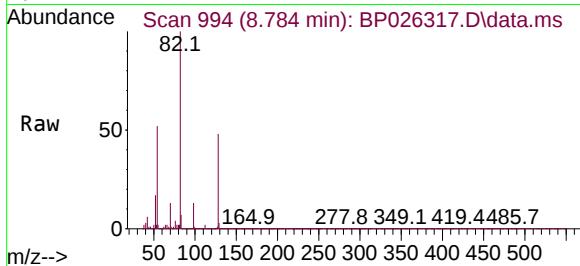




#23
Nitrobenzene-d5
Concen: 52.409 ng
RT: 8.784 min Scan# 99
Delta R.T. -0.029 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

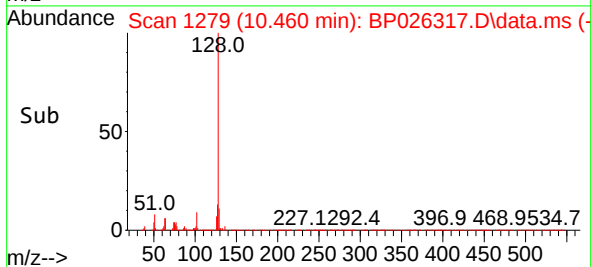
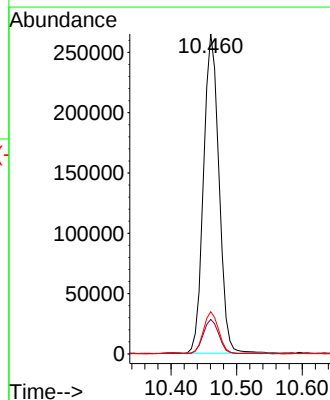
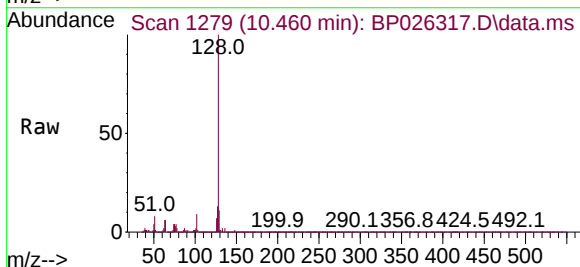
Instrument :
BNA_P
ClientSampleId :
COAN6

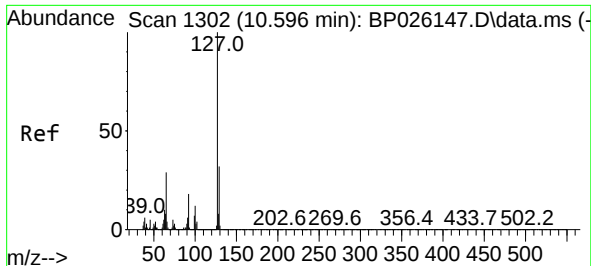
Tgt Ion: 82 Resp: 870852
Ion Ratio Lower Upper
82 100
128 48.0 37.4 56.0
54 51.5 41.6 62.4



#31
Naphthalene
Concen: 8.439 ng
RT: 10.460 min Scan# 1279
Delta R.T. -0.035 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion: 128 Resp: 431500
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.2 10.2 15.4

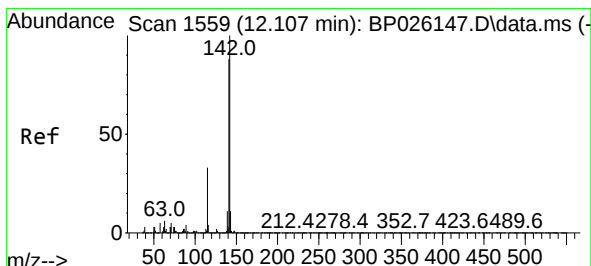
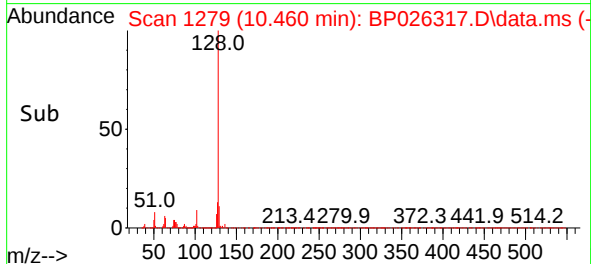
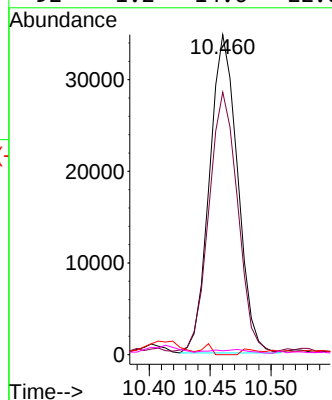
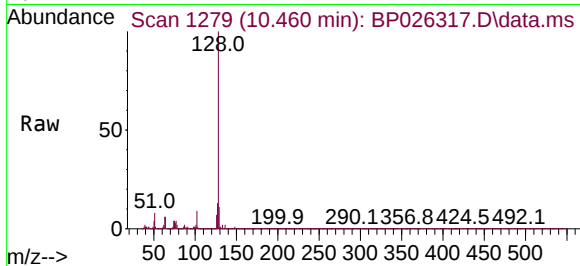




#33
4-Chloroaniline
Concen: 2.605 ng
RT: 10.460 min Scan# 11
Delta R.T. -0.135 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

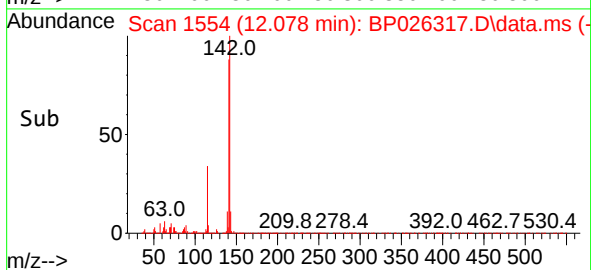
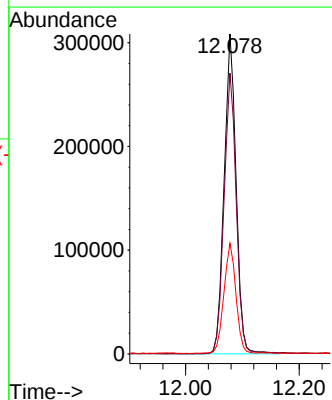
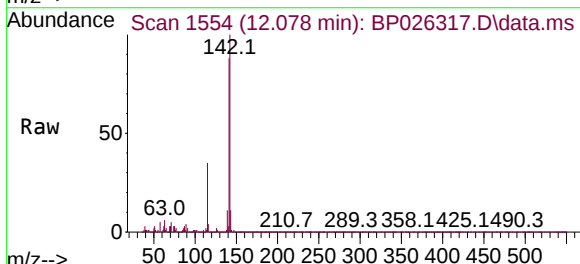
Instrument :
BNA_P
ClientSampleId :
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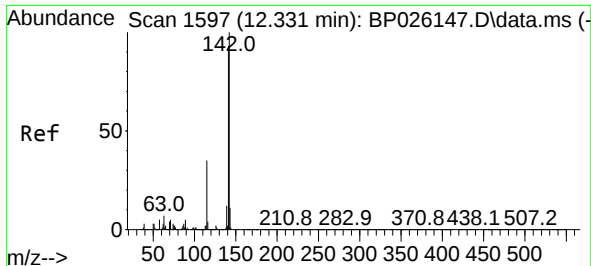
Tgt Ion:	127	Resp:	55804
Ion Ratio	Lower	Upper	
127	100		
129	82.0	25.8	38.8#
65	0.0	22.7	34.1#
92	1.2	14.6	22.0#



#37
2-Methylnaphthalene
Concen: 12.437 ng
RT: 12.078 min Scan# 1554
Delta R.T. -0.029 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion:	142	Resp:	448217
Ion Ratio	Lower	Upper	
142	100		
141	87.7	71.0	106.6
115	34.6	26.6	39.8

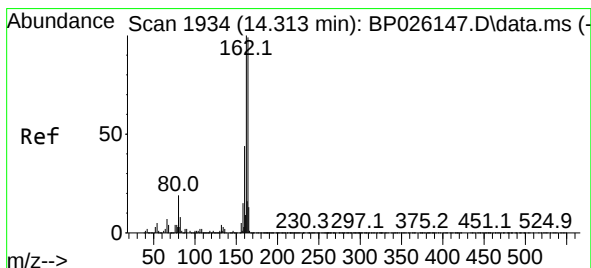
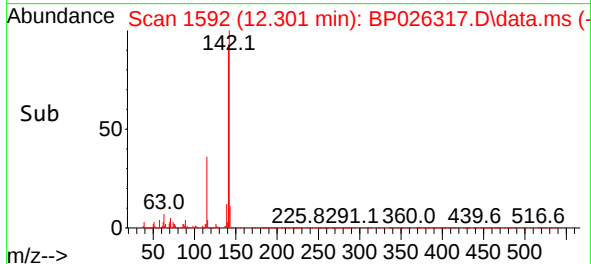
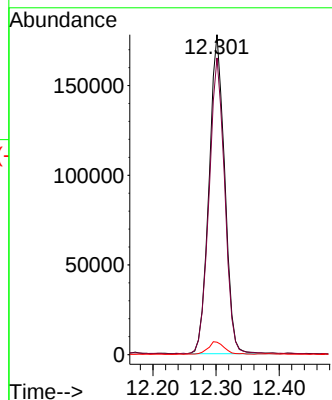
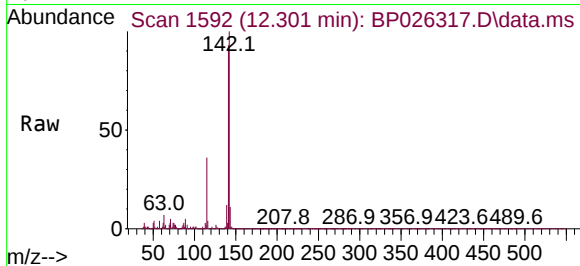




#38
1-Methylnaphthalene
Concen: 8.691 ng
RT: 12.301 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

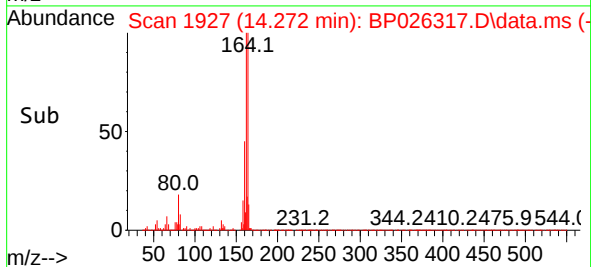
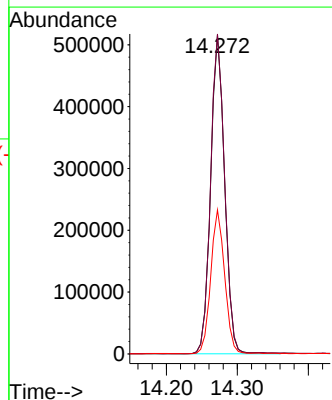
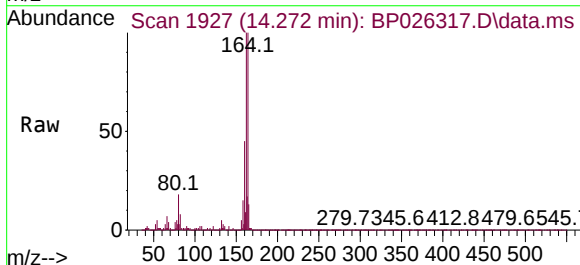
Instrument :
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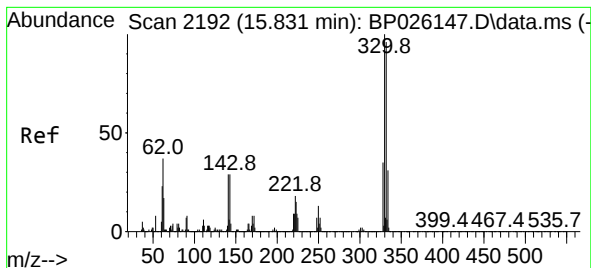
Tgt Ion:142 Resp: 305985
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3
116 3.9 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.272 min Scan# 1927
Delta R.T. -0.041 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion:164 Resp: 707950
Ion Ratio Lower Upper
164 100
162 100.2 80.3 120.5
160 45.1 35.2 52.8

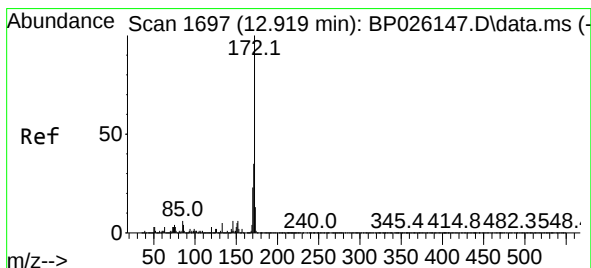
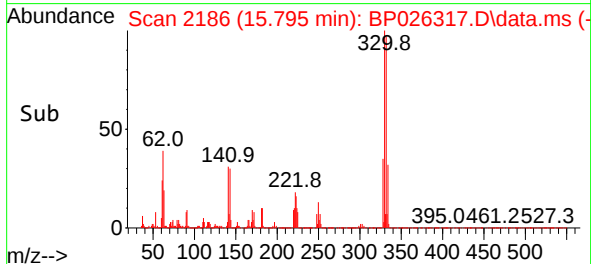
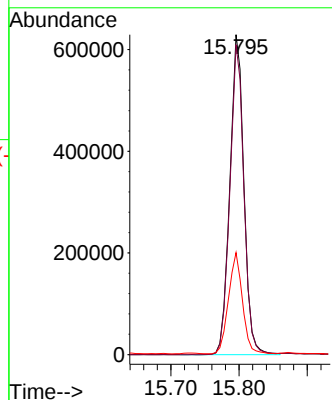
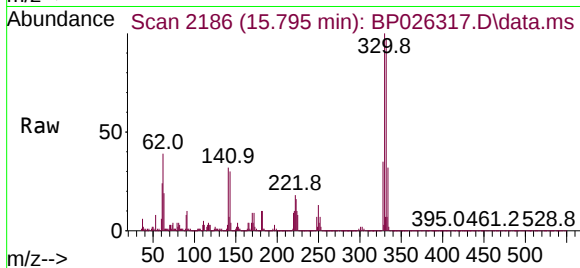




#42
2,4,6-Tribromophenol
Concen: 97.520 ng
RT: 15.795 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

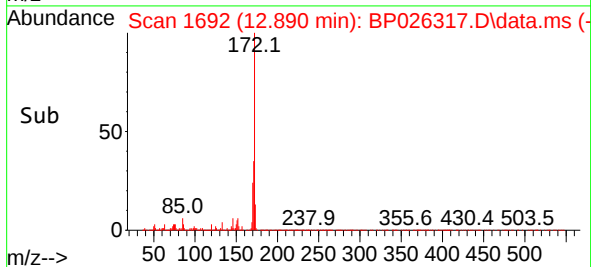
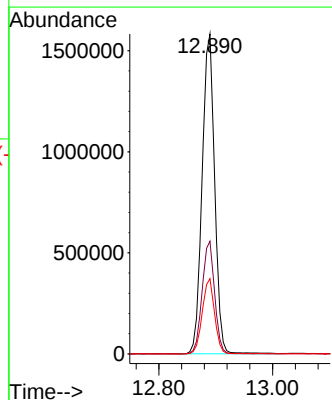
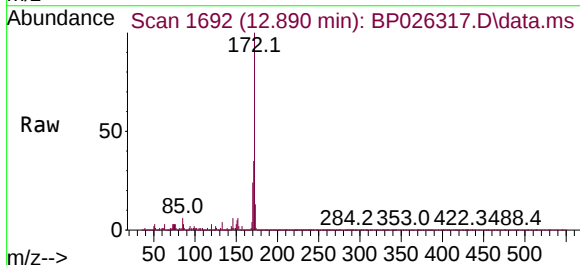
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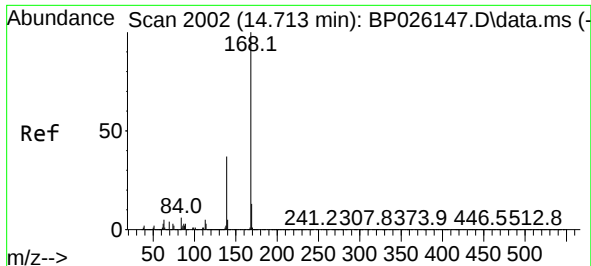
Tgt Ion:330 Resp: 897830
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 31.3 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 49.877 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.029 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion:172 Resp: 2428689
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.5 18.7 28.1

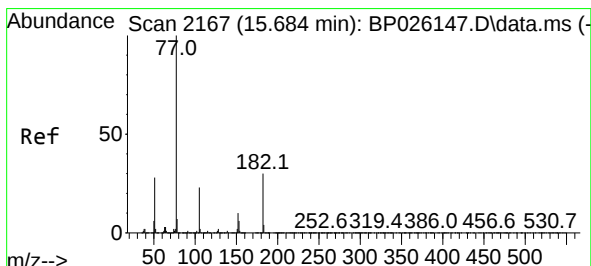
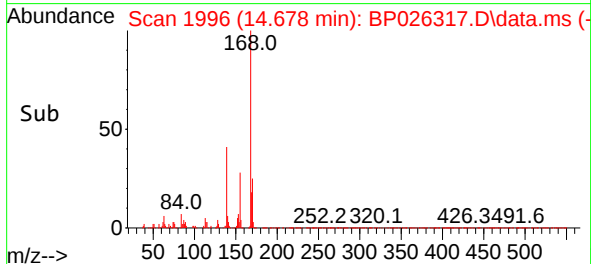
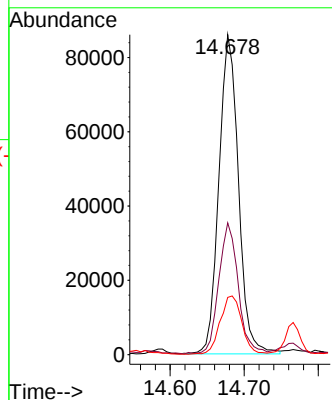
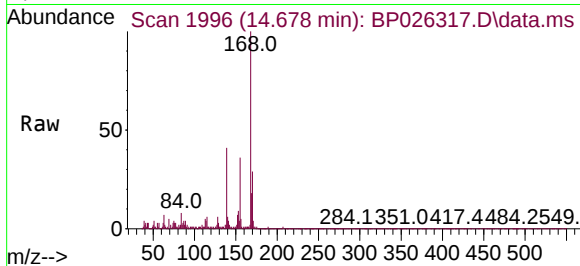




#55
Dibenzenofuran
Concen: 2.508 ng
RT: 14.678 min Scan# 1996
Delta R.T. -0.035 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

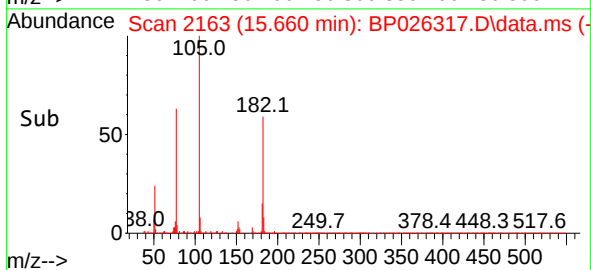
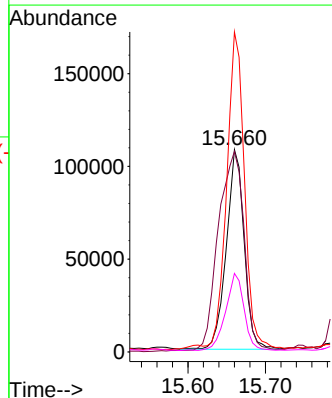
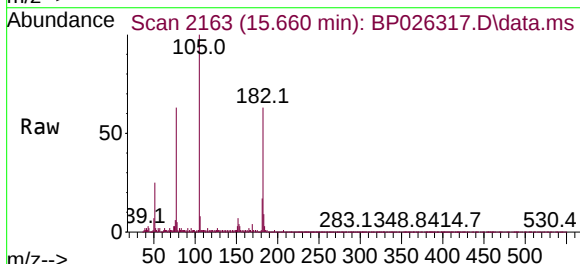
Instrument :
BNA_P
ClientSampleId :
COAN6

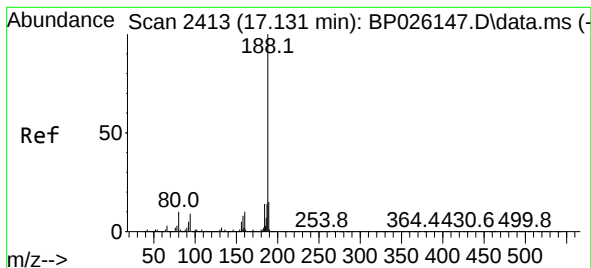
Tgt Ion:168 Resp: 157636
Ion Ratio Lower Upper
168 100
139 41.2 29.8 44.6
169 17.9 10.9 16.3#



#63
Azobenzene
Concen: 3.872 ng
RT: 15.660 min Scan# 2163
Delta R.T. -0.023 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion: 77 Resp: 172281
Ion Ratio Lower Upper
77 100
182 99.1 8.8 48.8#
105 158.2 2.6 42.6#
51 38.8 9.2 49.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.084 min Scan# 2413

Delta R.T. -0.047 min

Lab File: BP026317.D

Acq: 12 Dec 2025 19:48

Instrument :

BNA_P

ClientSampleId :

COAN6

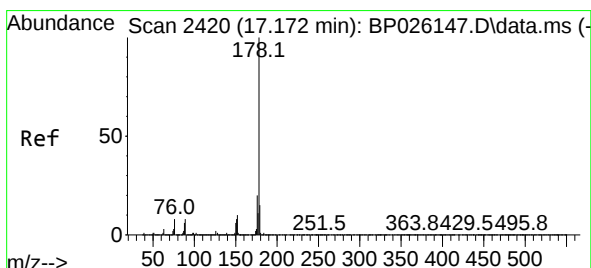
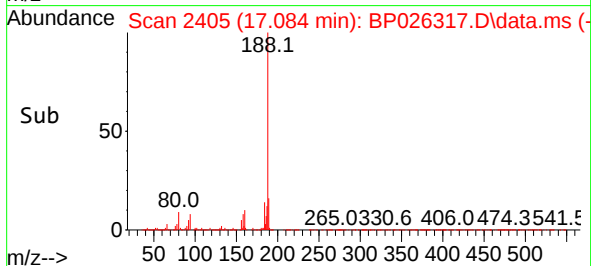
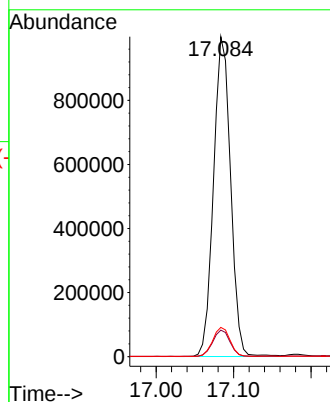
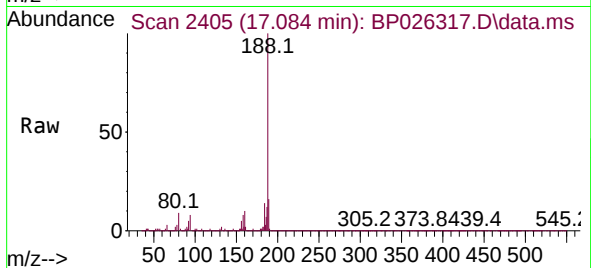
Tgt Ion:188 Resp: 1531793

Ion Ratio Lower Upper

188 100

94 8.3 7.8 11.6

80 9.1 8.2 12.2



#71

Phenanthrene

Concen: 5.489 ng

RT: 17.125 min Scan# 2412

Delta R.T. -0.047 min

Lab File: BP026317.D

Acq: 12 Dec 2025 19:48

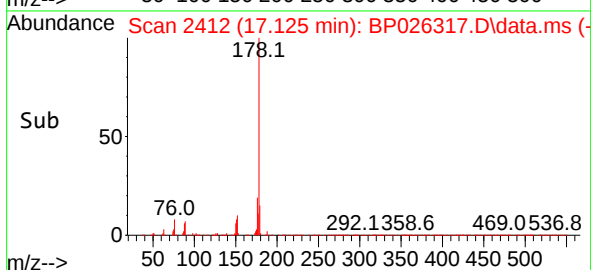
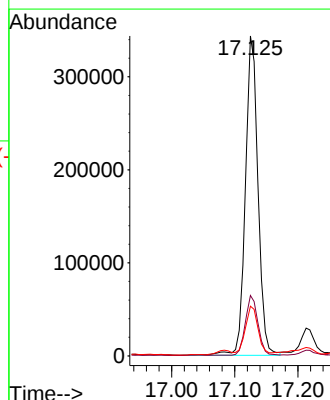
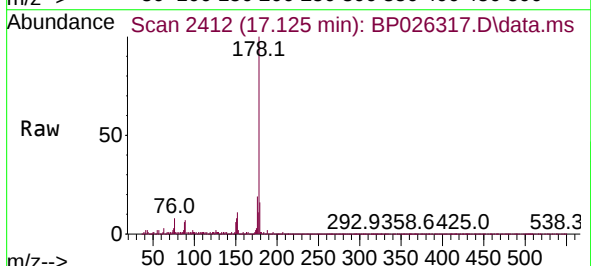
Tgt Ion:178 Resp: 474023

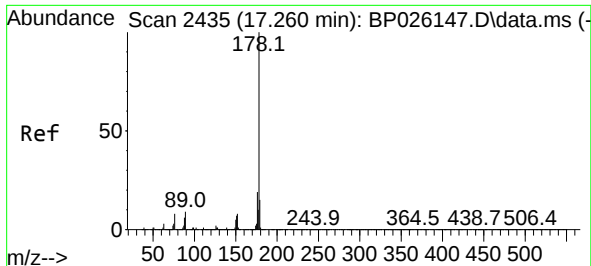
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.5 12.4 18.6

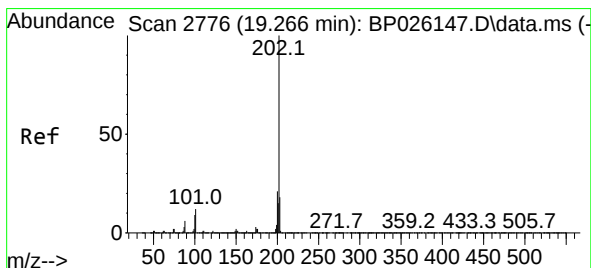
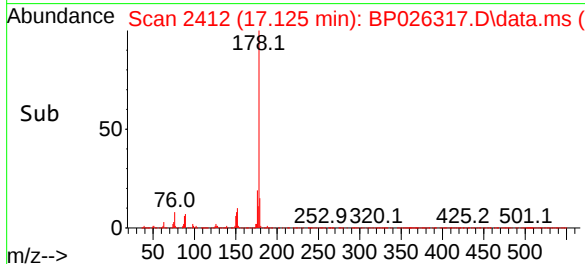
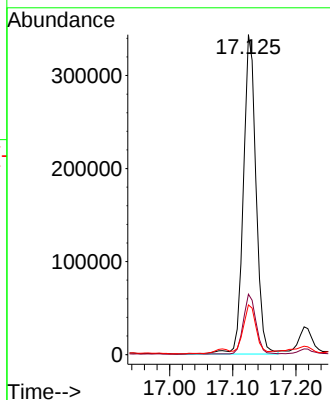
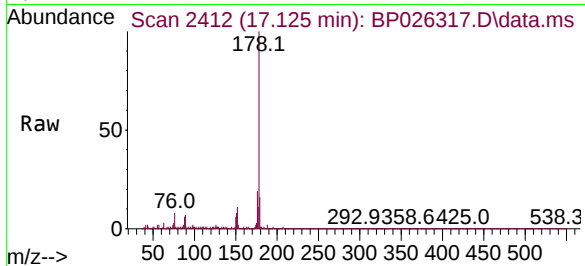




#72
Anthracene
Concen: 5.389 ng
RT: 17.125 min Scan# 2435
Delta R.T. -0.135 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

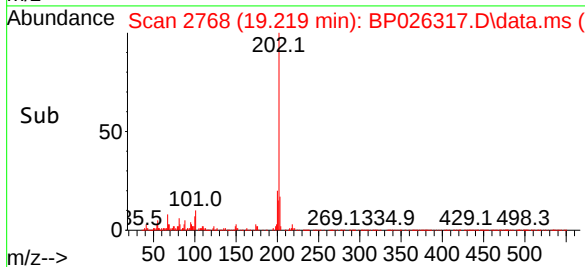
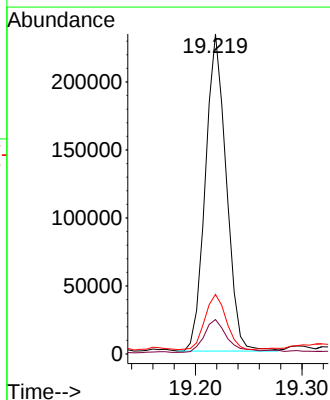
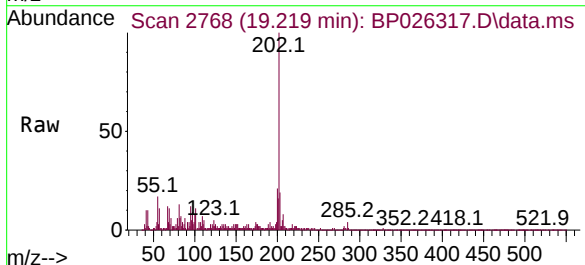
Instrument :
BNA_P
ClientSampleId :
COAN6

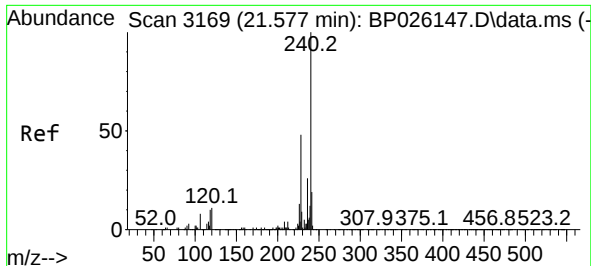
Tgt Ion:178 Resp: 474023
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 3.023 ng
RT: 19.219 min Scan# 2768
Delta R.T. -0.047 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion:202 Resp: 317695
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.2
203 18.6 0.0 37.7

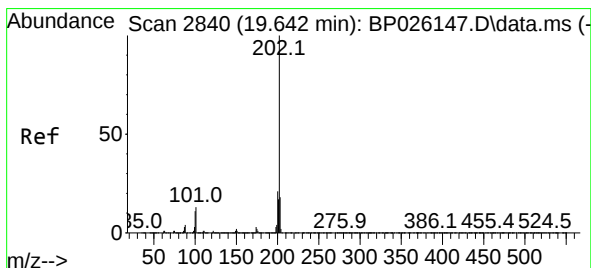
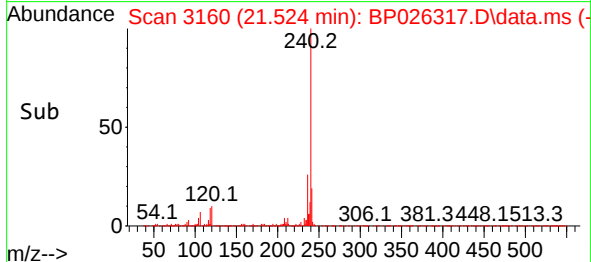
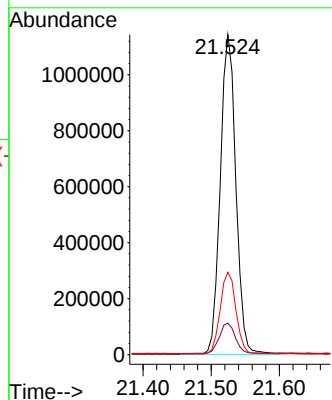
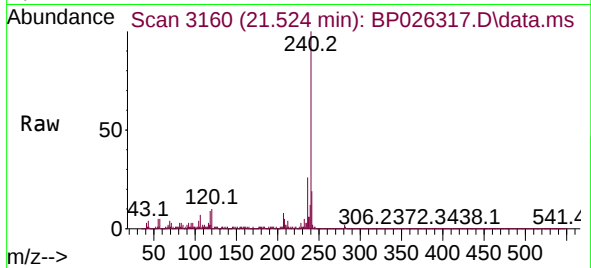




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.524 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

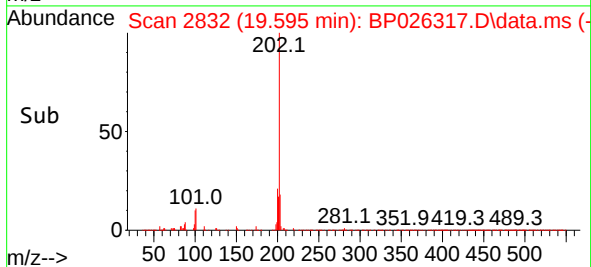
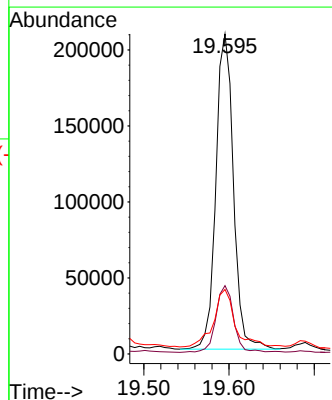
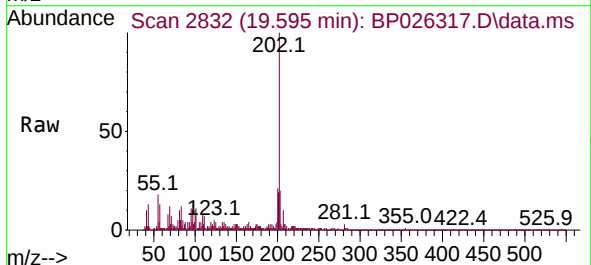
Instrument :
BNA_P
ClientSampleId :
COAN6

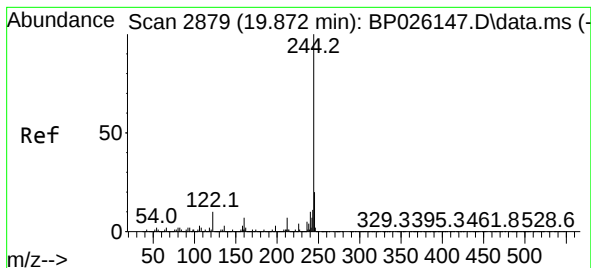
Tgt Ion:240 Resp: 1804530
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.4
236 25.7 20.4 30.6



#78
Pyrene
Concen: 2.524 ng
RT: 19.595 min Scan# 2832
Delta R.T. -0.047 min
Lab File: BP026317.D
Acq: 12 Dec 2025 19:48

Tgt Ion:202 Resp: 296836
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 20.1 13.8 20.8





#79

Terphenyl-d14

Concen: 47.911 ng

RT: 19.825 min Scan# 2871

Delta R.T. -0.047 min

Lab File: BP026317.D

Acq: 12 Dec 2025 19:48

Instrument :

BNA_P

ClientSampleId :

COAN6

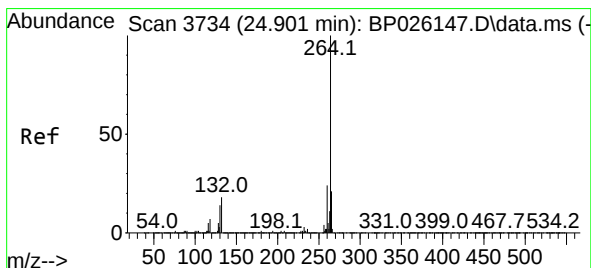
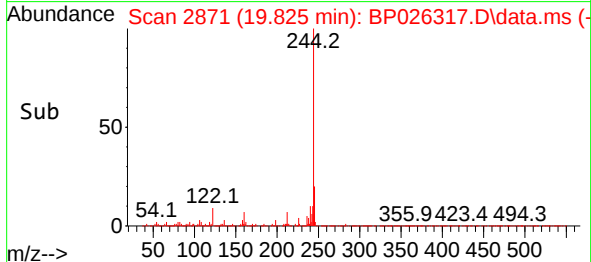
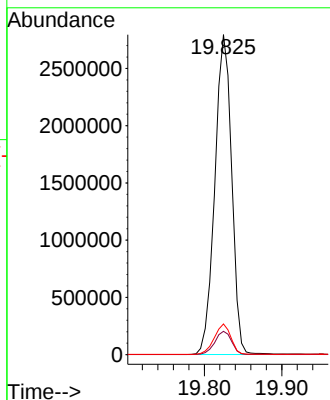
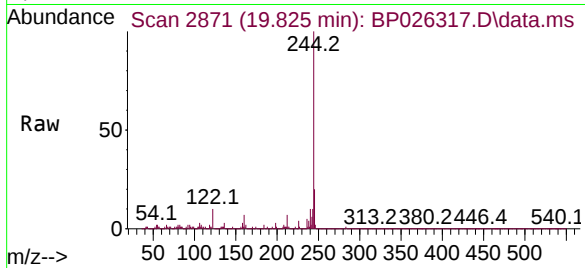
Tgt Ion:244 Resp: 4229987

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 9.6 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.807 min Scan# 3718

Delta R.T. -0.094 min

Lab File: BP026317.D

Acq: 12 Dec 2025 19:48

Tgt Ion:264 Resp: 1959353

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.4 17.5 26.3

