

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121025\
 Data File : BP026285.D
 Acq On : 10 Dec 2025 21:19
 Operator : RC/JU
 Sample : Q3826-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-15

Quant Time: Dec 11 03:08:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 05 14:52:44 2025
 Response via : Initial Calibration

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

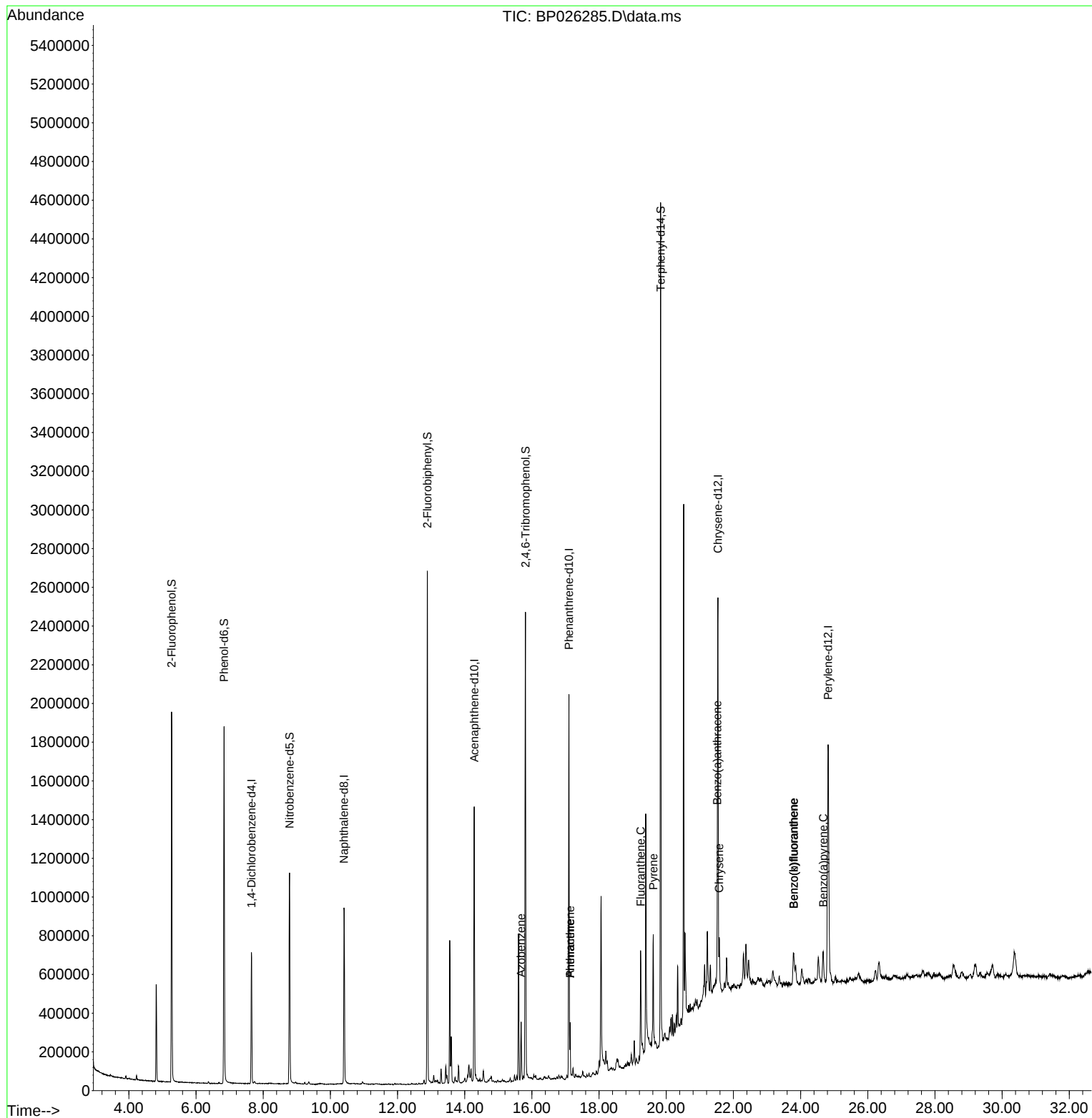
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	198418	20.000	ng	0.00
21) Naphthalene-d8	10.407	136	787740	20.000	ng	-0.01
39) Acenaphthene-d10	14.284	164	512480	20.000	ng	0.00
64) Phenanthrene-d10	17.101	188	1064325	20.000	ng	0.00
76) Chrysene-d12	21.536	240	1147498	20.000	ng	0.00
86) Perylene-d12	24.818	264	1361521	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.272	112	882648	71.517	ng	0.00
7) Phenol-d6	6.837	99	1094225	70.238	ng	0.00
23) Nitrobenzene-d5	8.784	82	637729	46.081	ng	0.00
42) 2,4,6-Tribromophenol	15.807	330	502150	75.345	ng	0.00
45) 2-Fluorobiphenyl	12.890	172	1495296	42.421	ng	-0.01
79) Terphenyl-d14	19.830	244	2390543	42.580	ng	0.00
Target Compounds						
					Qvalue	
63) Azobenzene	15.678	77	92333	2.867	ng	# 1
71) Phenanthrene	17.136	178	147020	2.450	ng	99
72) Anthracene	17.136	178	147020	2.406	ng	98
75) Fluoranthene	19.236	202	342372	4.689	ng	99
78) Pyrene	19.613	202	341864	4.572	ng	99
81) Benzo(a)anthracene	21.519	228	165206	2.099	ng	98
83) Chrysene	21.577	228	181327	2.433	ng	97
88) Benzo(b)fluoranthene	23.795	252	219608	2.654	ng	97
89) Benzo(k)fluoranthene	23.795	252	219608	2.653	ng	# 96
90) Benzo(a)pyrene	24.671	252	167988	2.141	ng	96

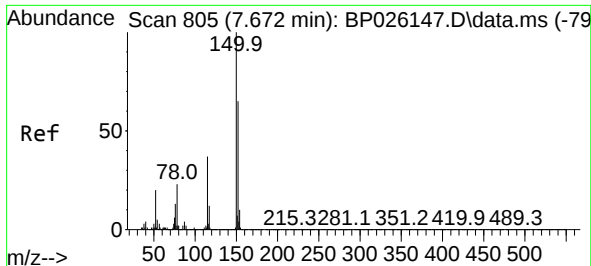
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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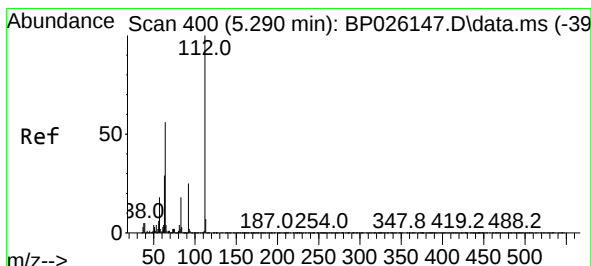
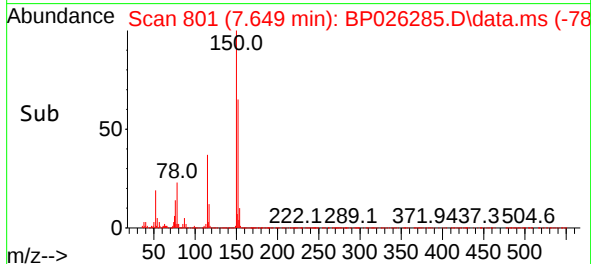
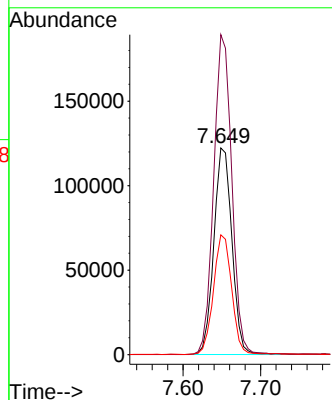
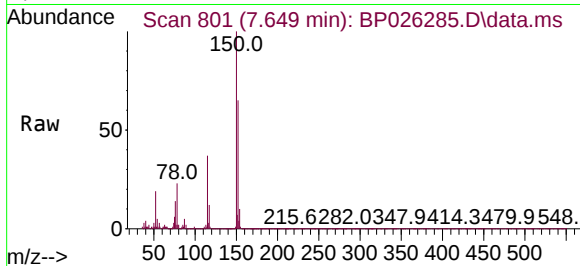




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

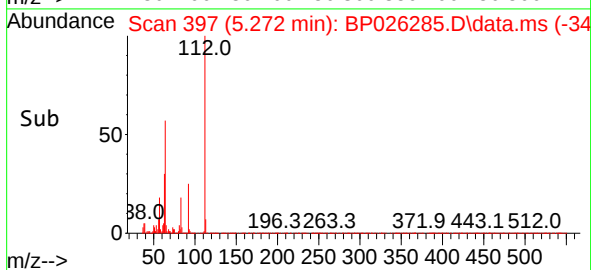
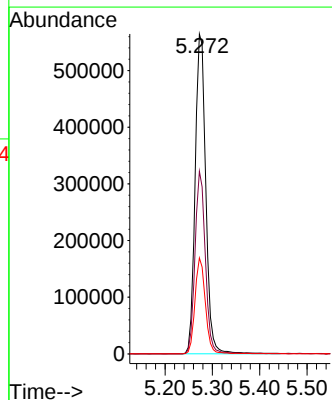
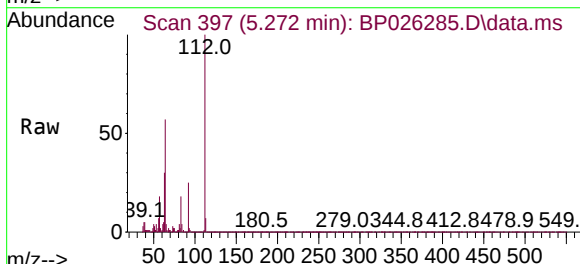
Instrument :
BNA_P
ClientSampleId :
TP-15

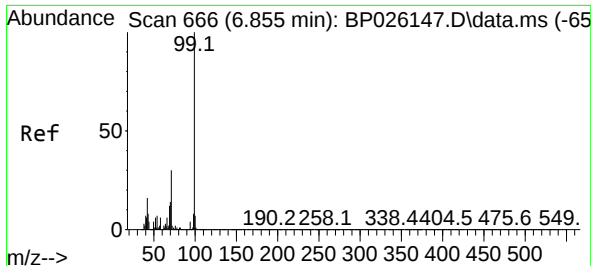
Tgt Ion:152 Resp: 198418
Ion Ratio Lower Upper
152 100
150 154.9 123.0 184.6
115 57.9 46.3 69.5



#5
2-Fluorophenol
Concen: 71.517 ng
RT: 5.272 min Scan# 397
Delta R.T. -0.006 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion:112 Resp: 882648
Ion Ratio Lower Upper
112 100
64 57.1 45.8 68.6
63 30.0 23.5 35.3

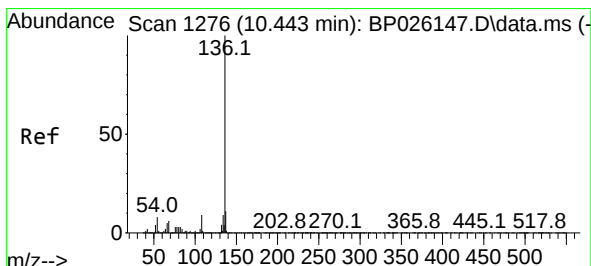
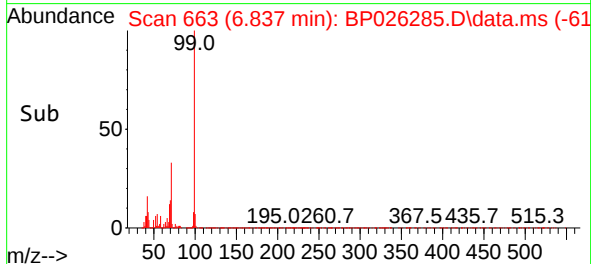
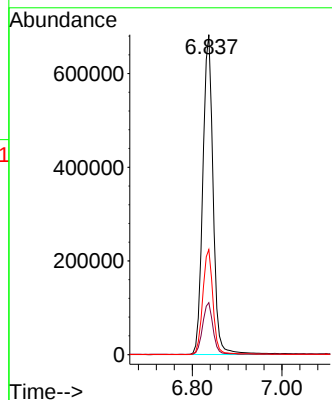
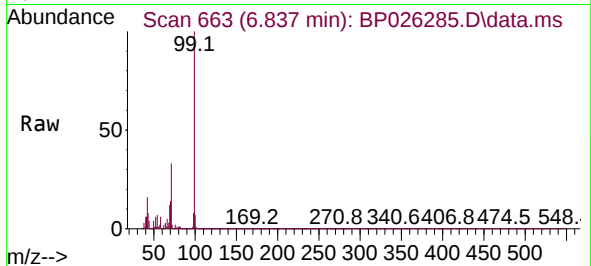




#7
Phenol-d6
Concen: 70.238 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

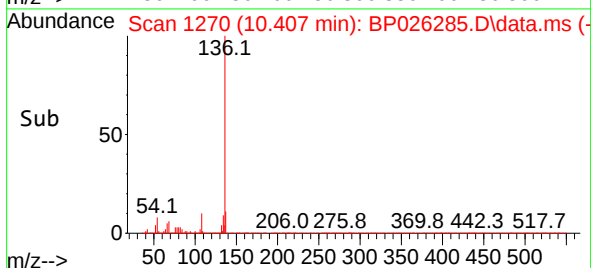
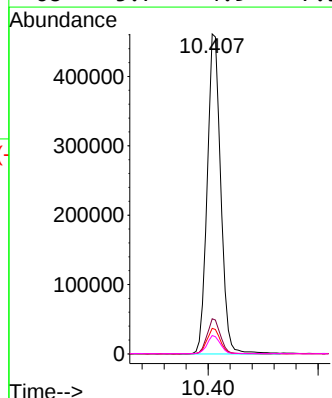
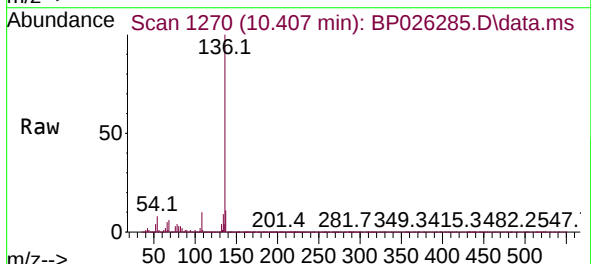
Instrument :
BNA_P
ClientSampleId :
TP-15

Tgt Ion: 99 Resp: 1094225
Ion Ratio Lower Upper
99 100
42 16.2 12.9 19.3
71 32.9 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion: 136 Resp: 787740
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.0 6.4 9.6
68 5.7 4.9 7.3

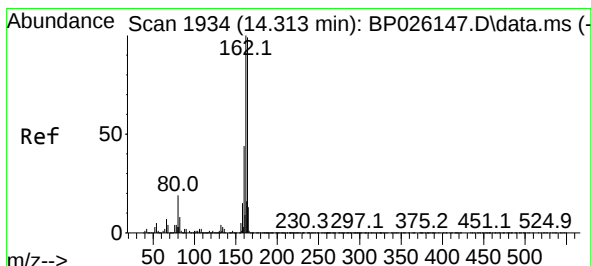
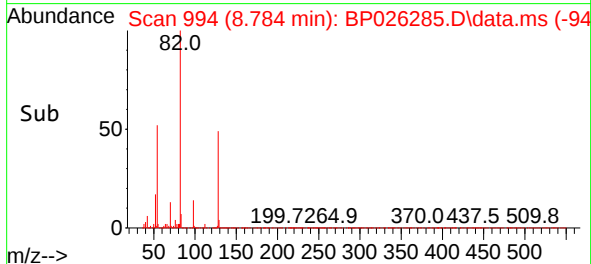
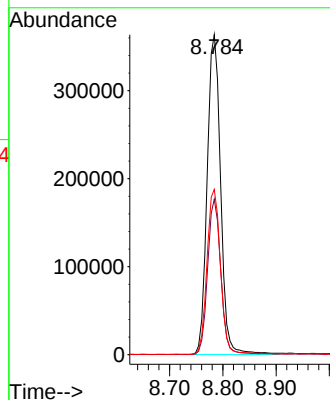
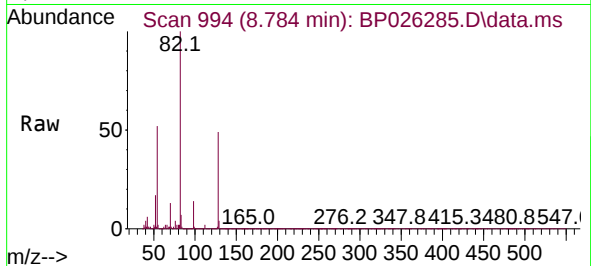




#23
Nitrobenzene-d5
Concen: 46.081 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

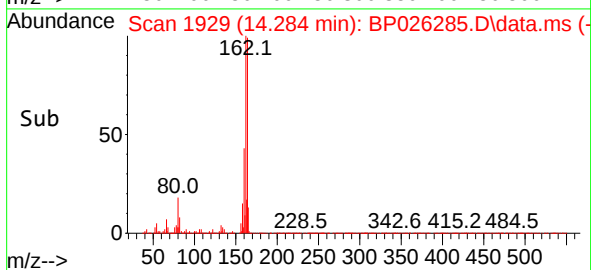
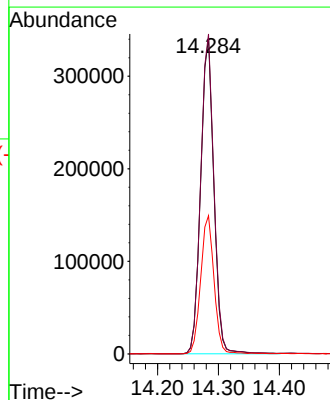
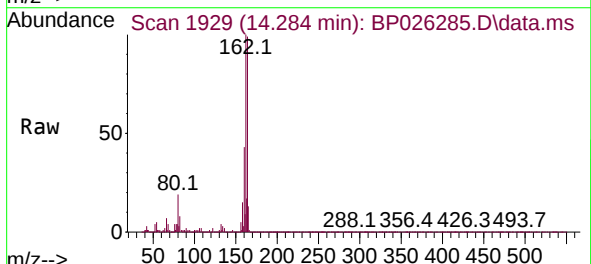
Instrument :
BNA_P
ClientSampleId :
TP-15

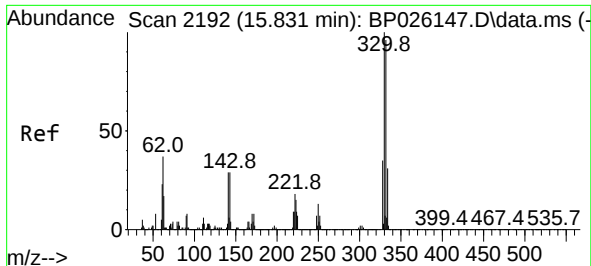
Tgt Ion: 82 Resp: 637729
Ion Ratio Lower Upper
82 100
128 48.6 37.4 56.0
54 51.6 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.284 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion: 164 Resp: 512480
Ion Ratio Lower Upper
164 100
162 101.2 80.3 120.5
160 43.7 35.2 52.8

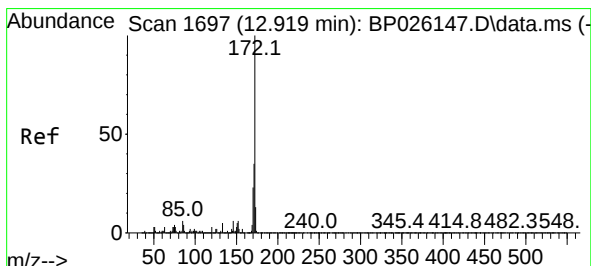
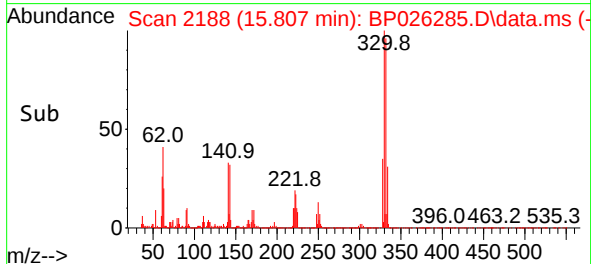
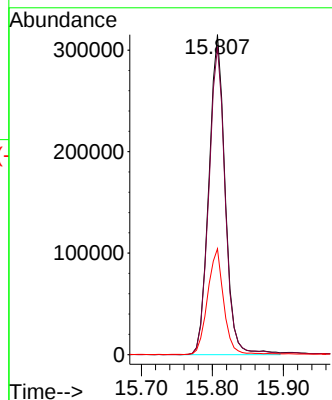
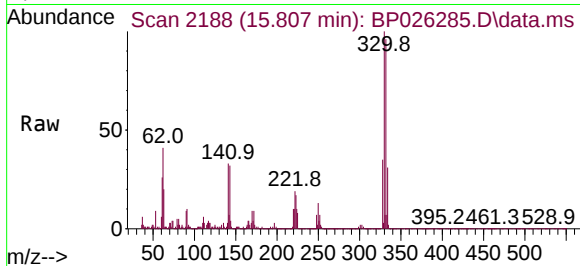




#42
2,4,6-Tribromophenol
Concen: 75.345 ng
RT: 15.807 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

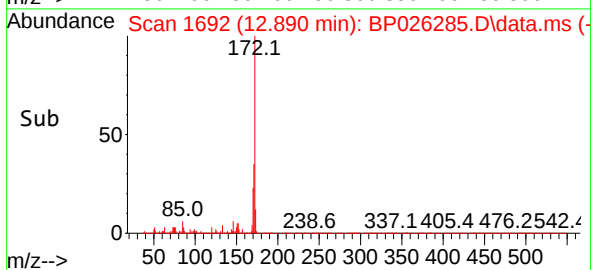
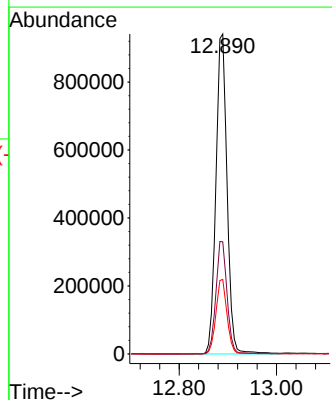
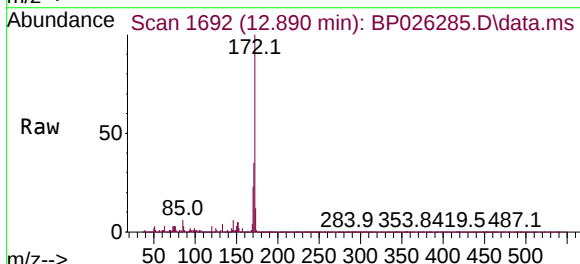
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ClientSampleId :
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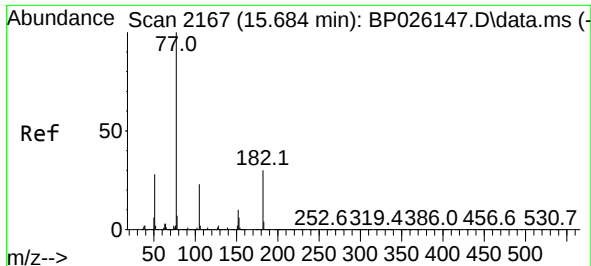
Tgt Ion:330 Resp: 502150
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 32.8 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 42.421 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion:172 Resp: 1495296
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.3 18.7 28.1

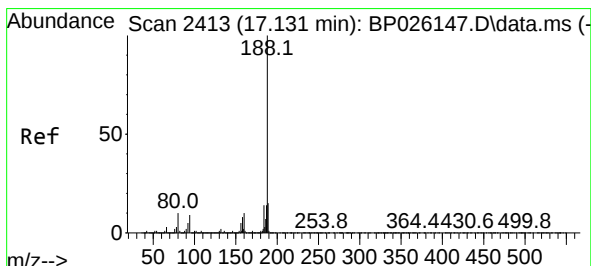
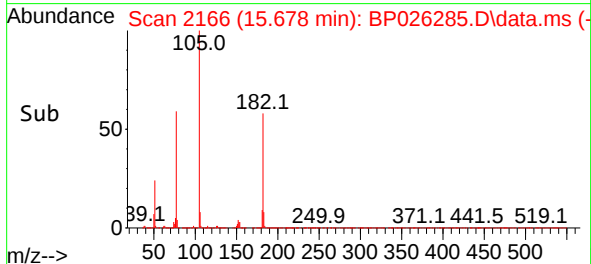
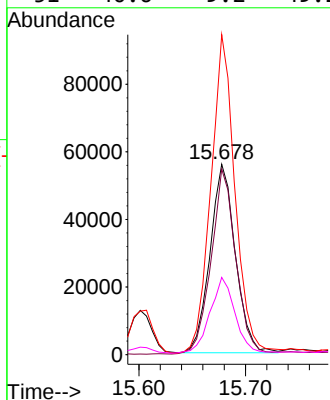
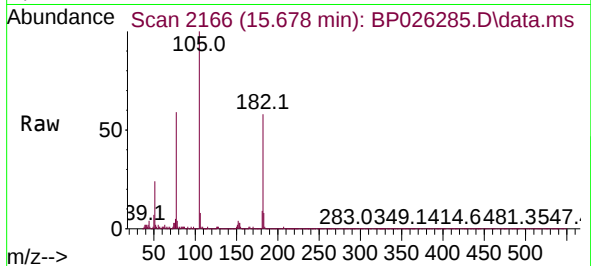




#63
Azobenzene
Concen: 2.867 ng
RT: 15.678 min Scan# 2167
Delta R.T. 0.023 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

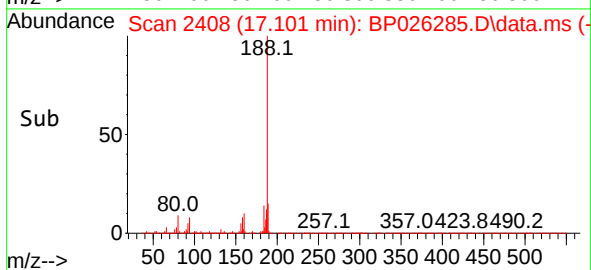
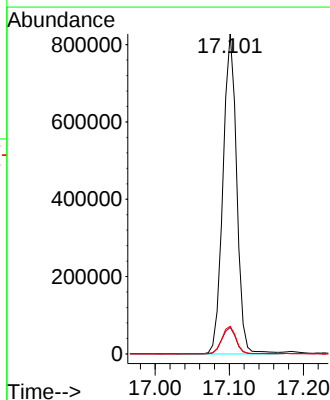
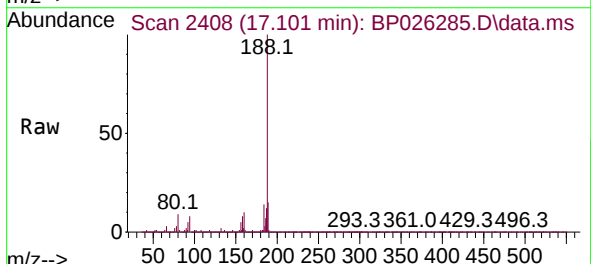
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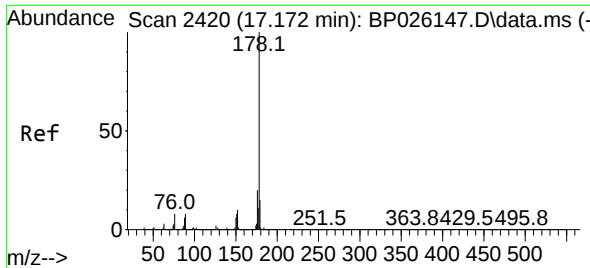
Tgt Ion: 77	Resp: 92333
Ion Ratio	Lower Upper
77 100	
182 97.5	8.8 48.8#
105 168.2	2.6 42.6#
51 40.6	9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.101 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion: 188	Resp: 1064325
Ion Ratio	Lower Upper
188 100	
94 8.3	7.8 11.6
80 8.6	8.2 12.2

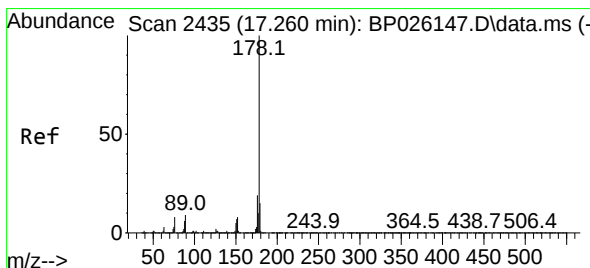
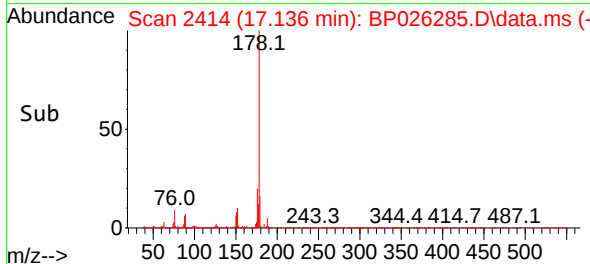
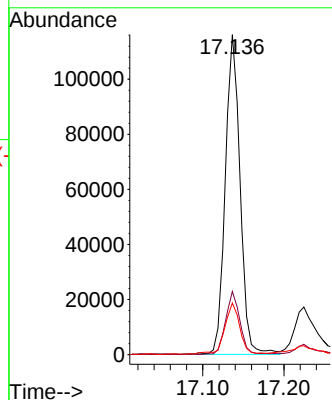
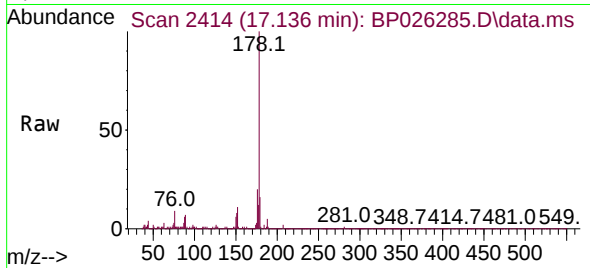




#71
Phenanthrene
Concen: 2.450 ng
RT: 17.136 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

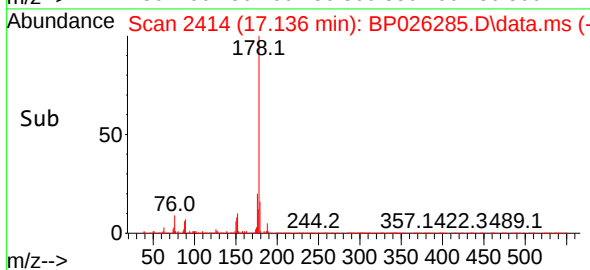
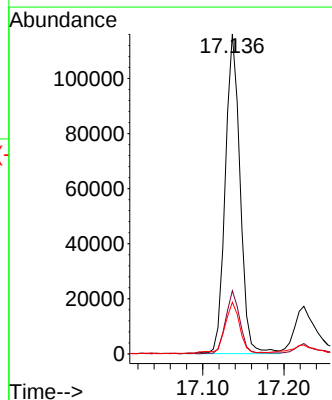
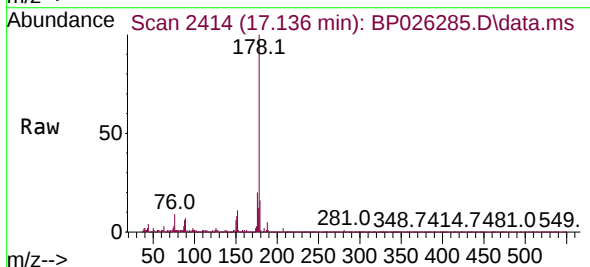
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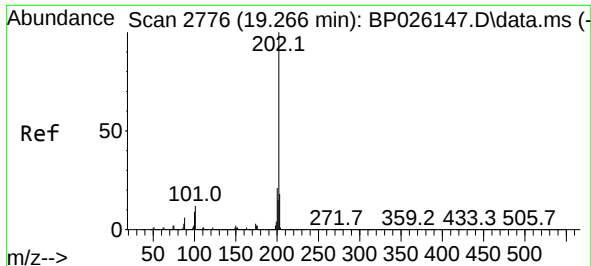
Tgt Ion:178 Resp: 147020
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.2 12.4 18.6



#72
Anthracene
Concen: 2.406 ng
RT: 17.136 min Scan# 2414
Delta R.T. -0.094 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion:178 Resp: 147020
Ion Ratio Lower Upper
178 100
176 19.7 14.8 22.2
179 16.2 12.2 18.4

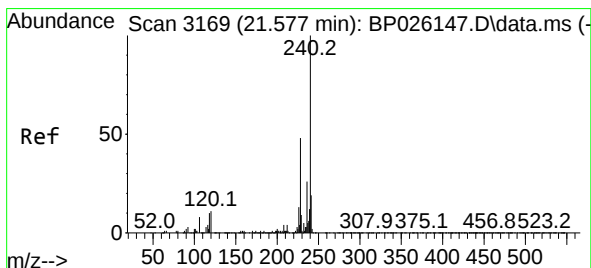
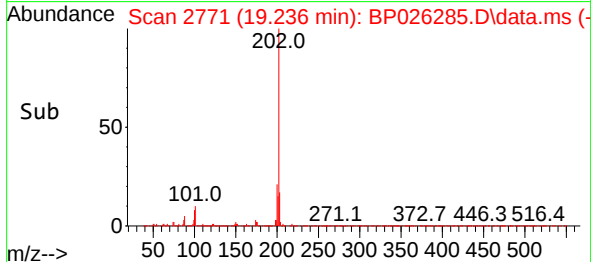
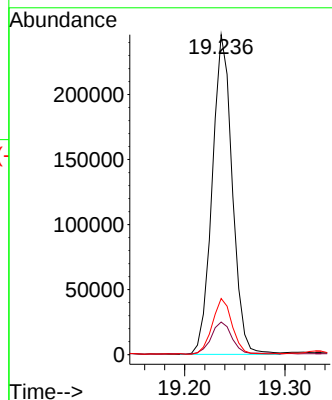
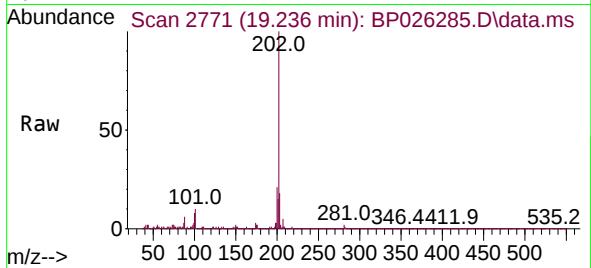




#75
Fluoranthene
Concen: 4.689 ng
RT: 19.236 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

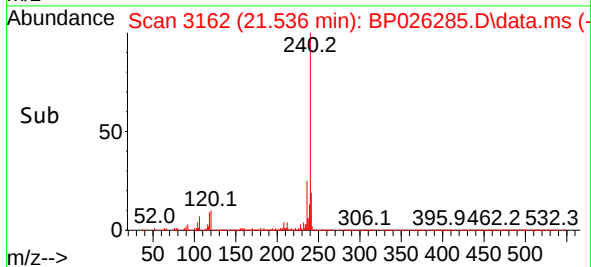
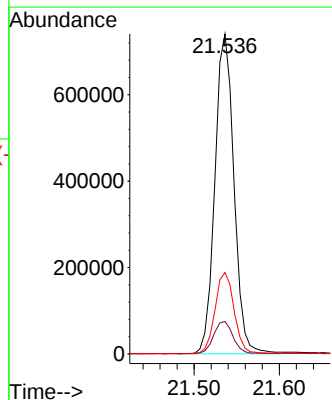
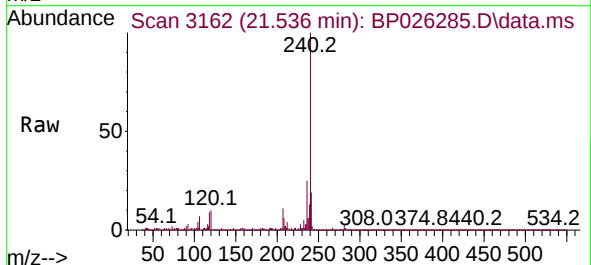
Instrument :
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TP-15

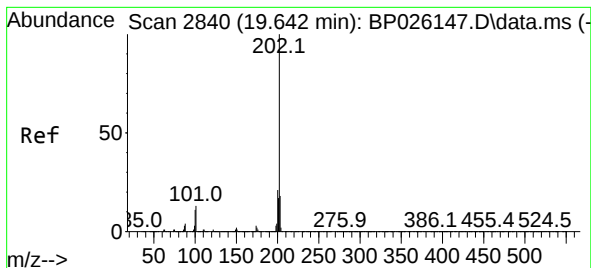
Tgt Ion:202 Resp: 342372
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.2
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.000 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion:240 Resp: 1147498
Ion Ratio Lower Upper
240 100
120 10.2 9.0 13.4
236 25.4 20.4 30.6





#78

Pyrene

Concen: 4.572 ng

RT: 19.613 min Scan# 2840

Delta R.T. -0.000 min

Lab File: BP026285.D

Acq: 10 Dec 2025 21:19

Instrument :

BNA_P

ClientSampleId :

TP-15

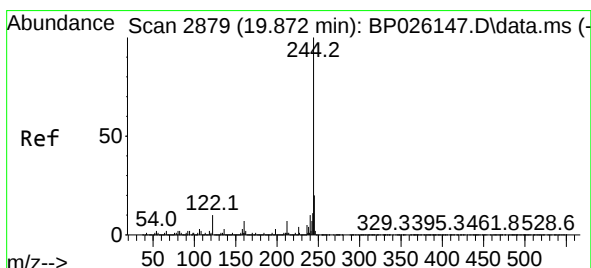
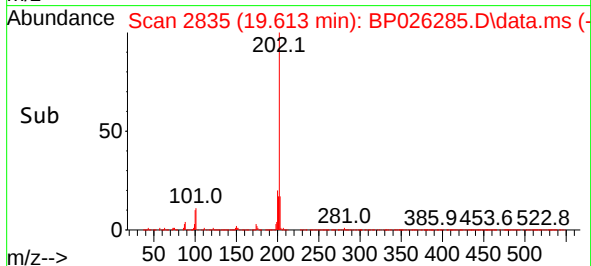
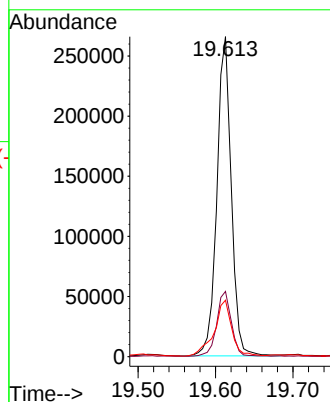
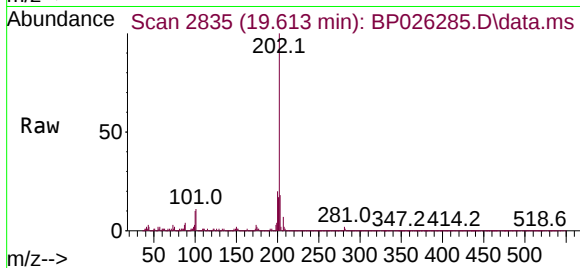
Tgt Ion:202 Resp: 341864

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 17.6 13.8 20.8



#79

Terphenyl-d14

Concen: 42.580 ng

RT: 19.830 min Scan# 2872

Delta R.T. -0.006 min

Lab File: BP026285.D

Acq: 10 Dec 2025 21:19

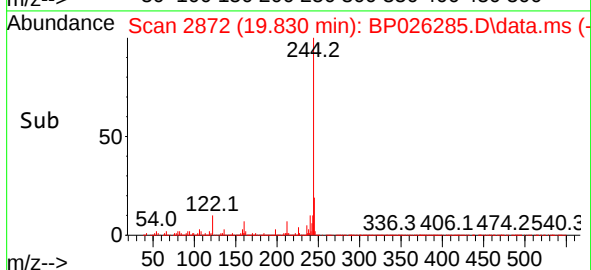
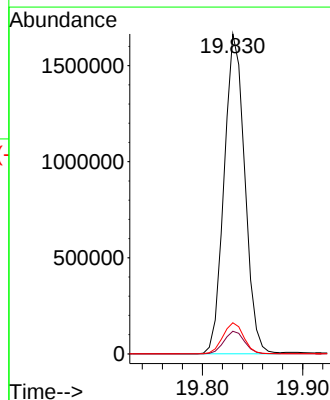
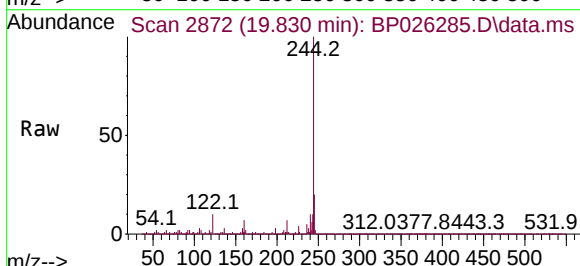
Tgt Ion:244 Resp: 2390543

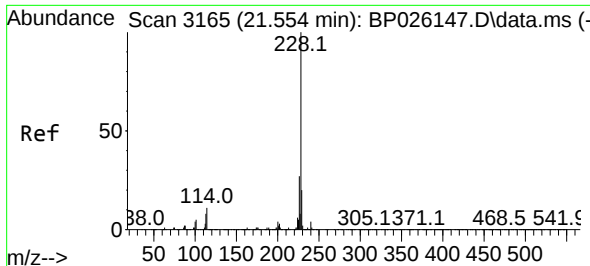
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.7 8.2 12.2

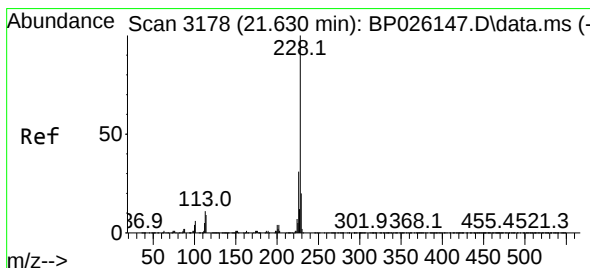
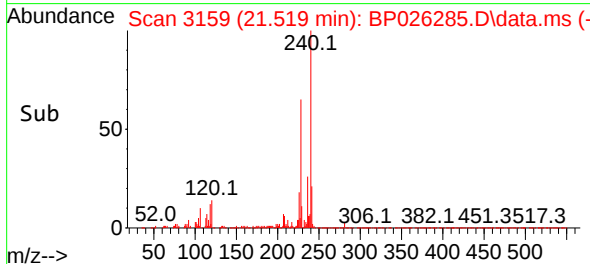
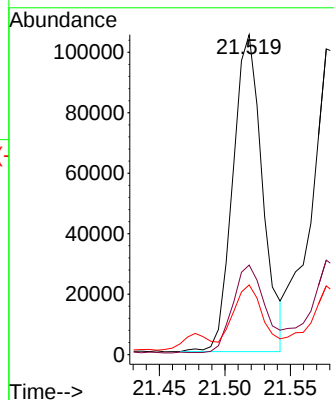
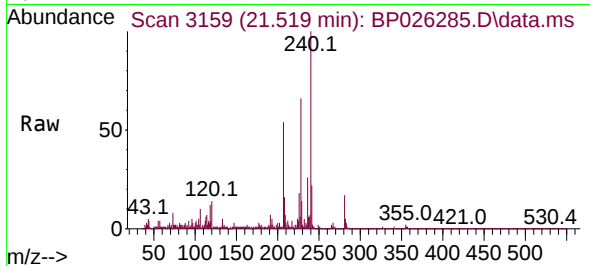




#81
Benzo(a)anthracene
Concen: 2.099 ng
RT: 21.519 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

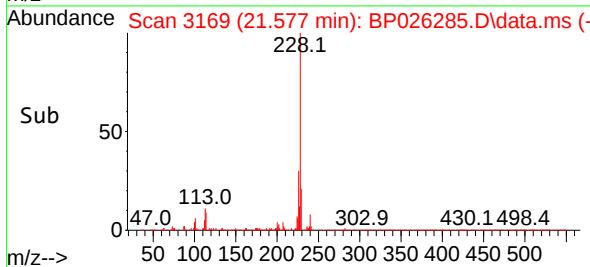
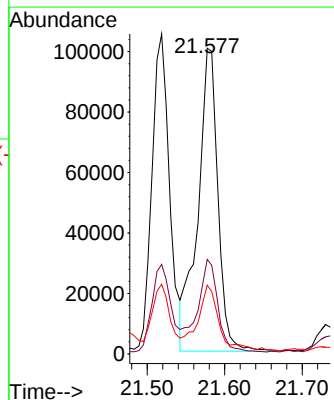
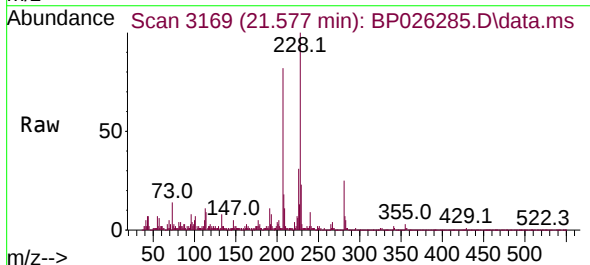
Instrument :
BNA_P
ClientSampleId :
TP-15

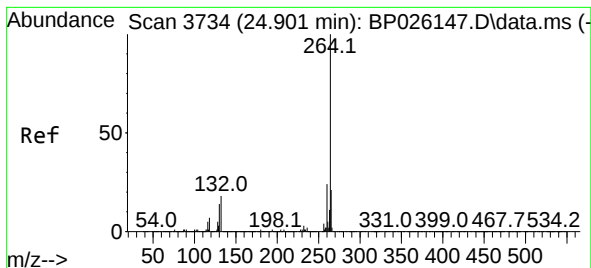
Tgt Ion:228 Resp: 165206
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 21.8 15.9 23.9



#83
Chrysene
Concen: 2.433 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion:228 Resp: 181327
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 22.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP026285.D

Acq: 10 Dec 2025 21:19

Instrument :

BNA_P

ClientSampleId :

TP-15

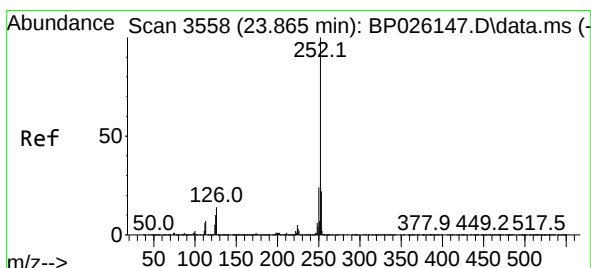
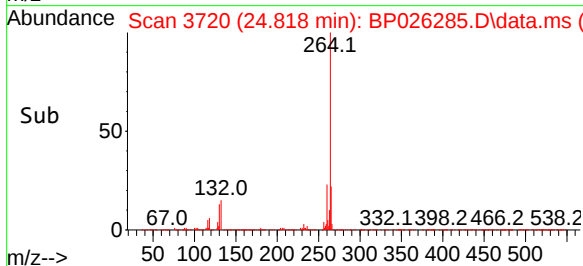
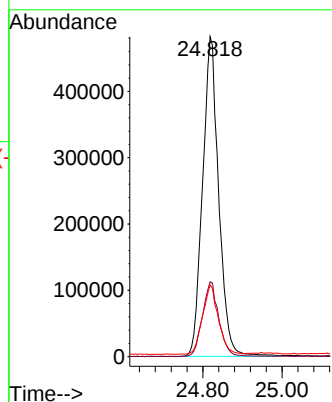
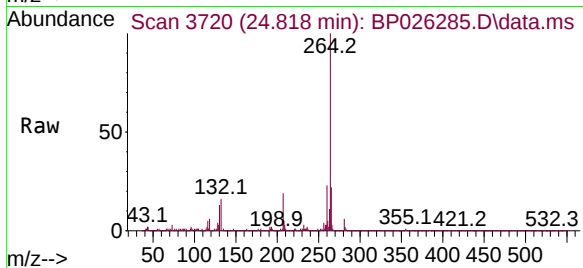
Tgt Ion:264 Resp: 1361521

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.4 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.654 ng

RT: 23.795 min Scan# 3546

Delta R.T. -0.000 min

Lab File: BP026285.D

Acq: 10 Dec 2025 21:19

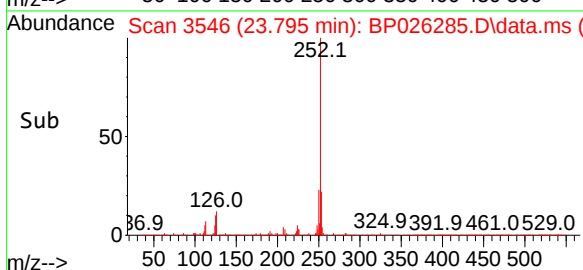
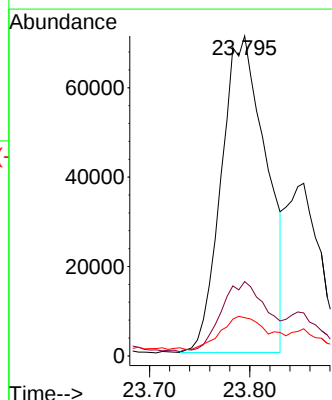
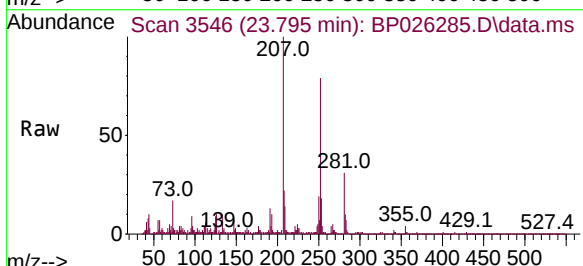
Tgt Ion:252 Resp: 219608

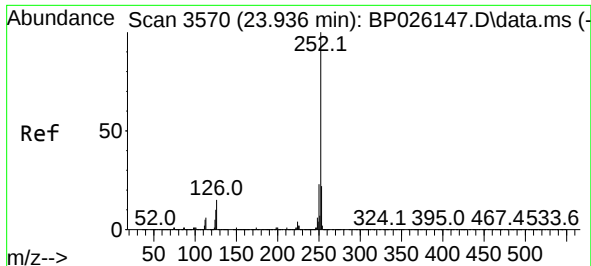
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 11.9 8.2 12.4

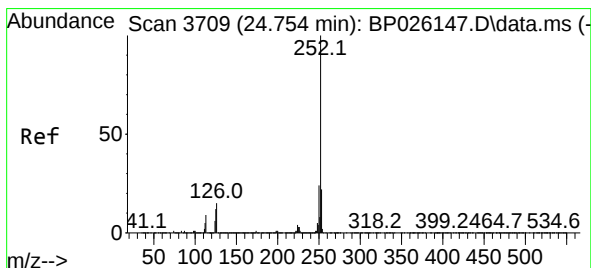
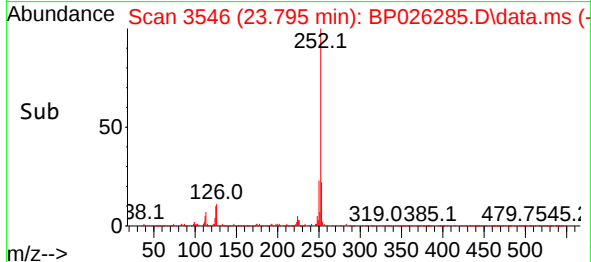
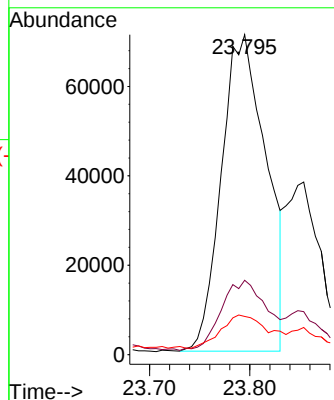
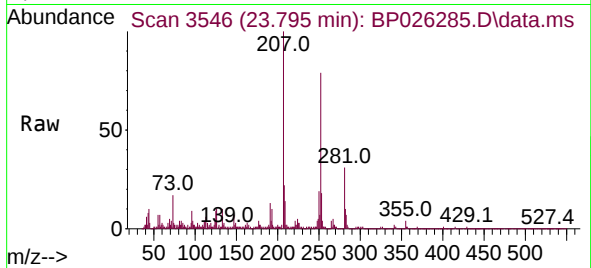




#89
Benzo(k)fluoranthene
Concen: 2.653 ng
RT: 23.795 min Scan# 31
Delta R.T. -0.071 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Instrument :
BNA_P
ClientSampleId :
TP-15

Tgt Ion:252 Resp: 219608
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 11.9 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 2.141 ng
RT: 24.671 min Scan# 3695
Delta R.T. -0.012 min
Lab File: BP026285.D
Acq: 10 Dec 2025 21:19

Tgt Ion:252 Resp: 167988
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 12.7 9.0 13.6

