

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100325\
 Data File : BP025915.D
 Acq On : 03 Oct 2025 15:40
 Operator : CG/JU
 Sample : Q3269-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EG1-TP1

Quant Time: Oct 03 16:01:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

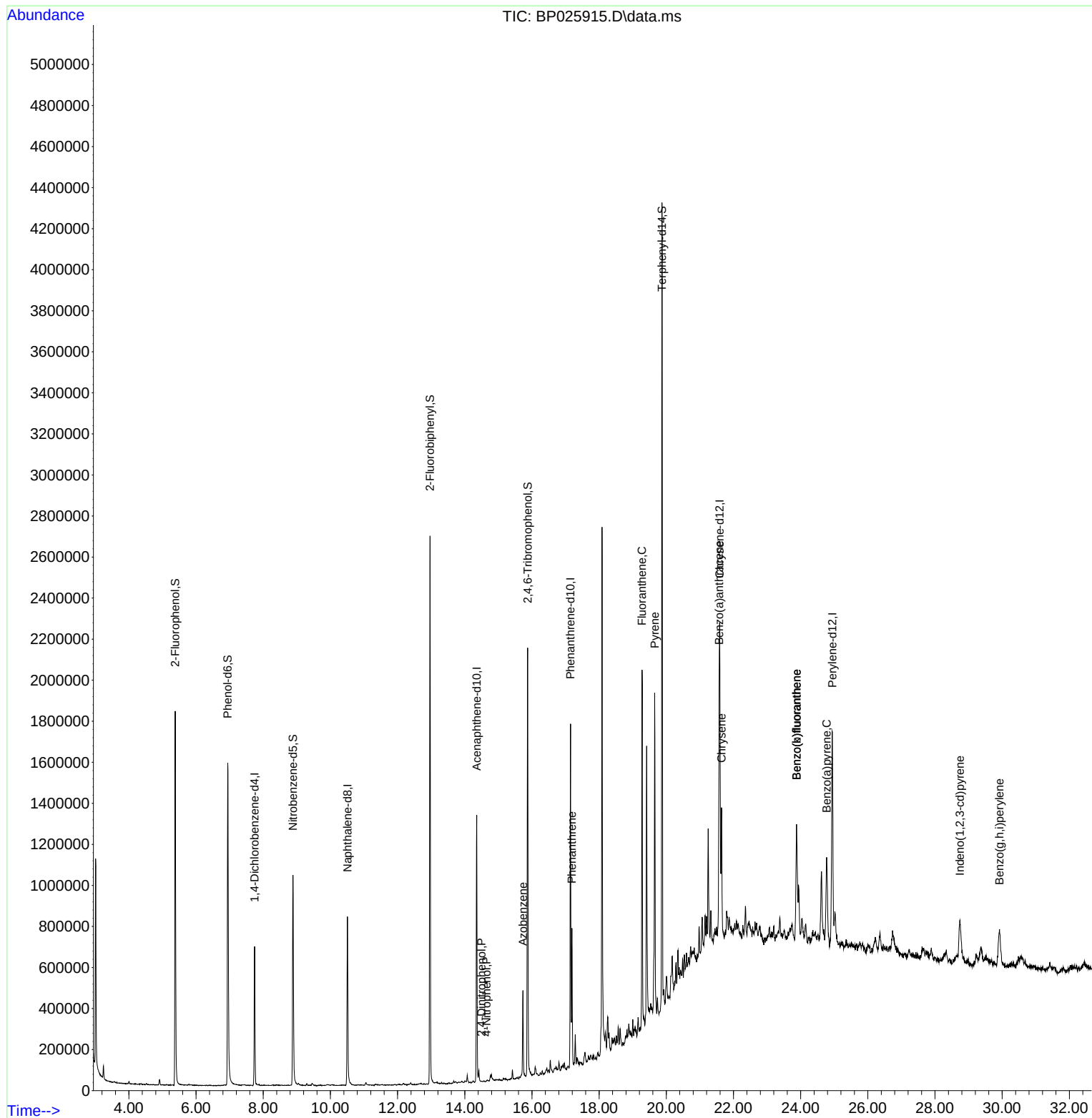
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	189715	20.000	ng	-0.02
21) Naphthalene-d8	10.507	136	742630	20.000	ng	-0.02
39) Acenaphthene-d10	14.354	164	483888	20.000	ng	-0.02
64) Phenanthrene-d10	17.148	188	934590	20.000	ng	-0.04
76) Chrysene-d12	21.589	240	948281	20.000	ng	-0.05
86) Perylene-d12	24.942	264	1072564	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	858807	73.043	ng	0.00
7) Phenol-d6	6.943	99	1117042	71.477	ng	0.00
23) Nitrobenzene-d5	8.884	82	696595	41.377	ng	-0.02
42) 2,4,6-Tribromophenol	15.872	330	451307	74.775	ng	-0.04
45) 2-Fluorobiphenyl	12.966	172	1430191	39.354	ng	-0.02
79) Terphenyl-d14	19.872	244	2025701	38.430	ng	-0.04
Target Compounds						
					Qvalue	
54) 2,4-Dinitrophenol	14.495	184	15	4.827	ng	# 1
56) 4-Nitrophenol	14.643	139	551	4.556	ng	# 80
63) Azobenzene	15.731	77	119222	3.290	ng	# 1
71) Phenanthrene	17.189	178	447370	8.438	ng	98
75) Fluoranthene	19.278	202	977148	15.368	ng	99
78) Pyrene	19.654	202	962664	15.214	ng	99
81) Benzo(a)anthracene	21.572	228	532830	8.207	ng	98
83) Chrysene	21.642	228	498539	8.056	ng	96
87) Indeno(1,2,3-cd)pyrene	28.742	276	356196	4.567	ng	# 83
88) Benzo(b)fluoranthene	23.877	252	646511	9.857	ng	# 97
89) Benzo(k)fluoranthene	23.877	252	646511	9.660	ng	97
90) Benzo(a)pyrene	24.771	252	498633	7.763	ng	95
92) Benzo(g,h,i)perylene	29.918	276	344749	5.492	ng	98

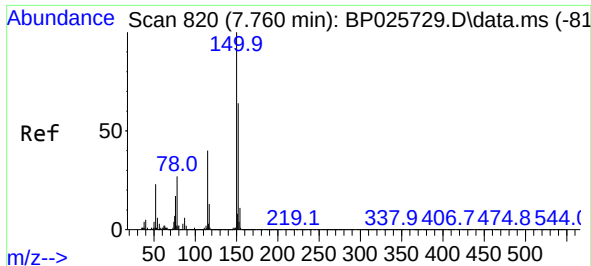
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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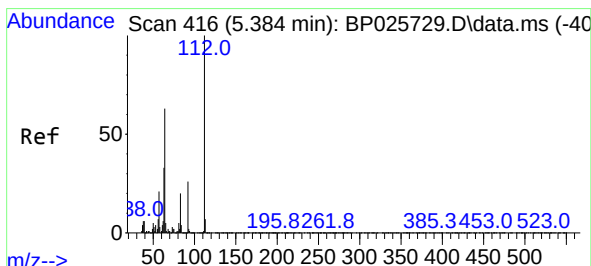
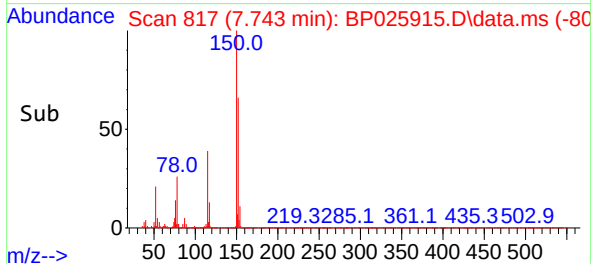
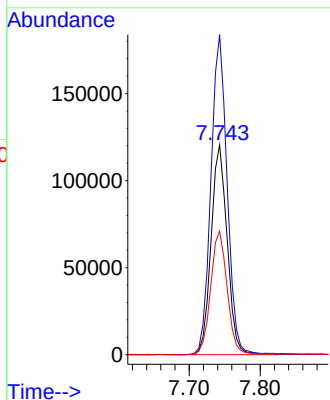
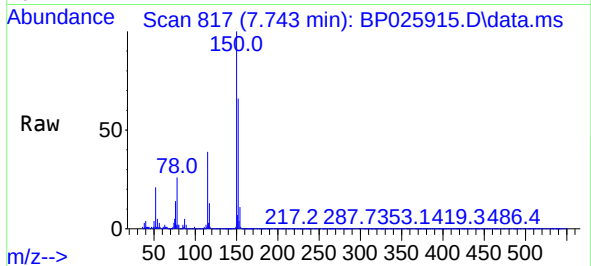




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

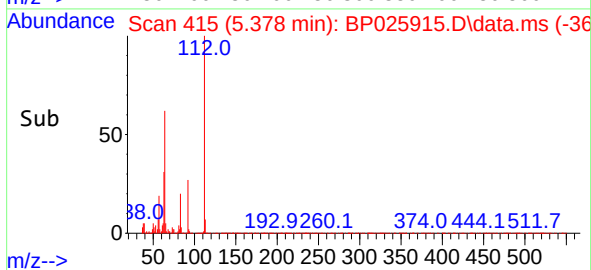
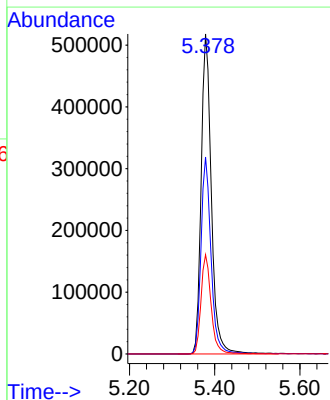
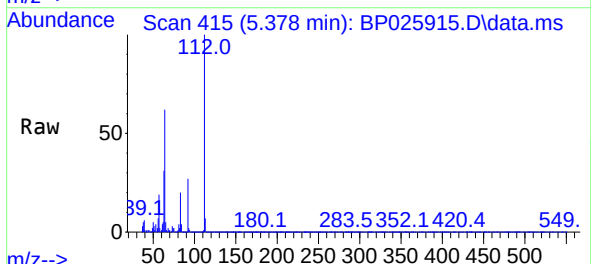
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

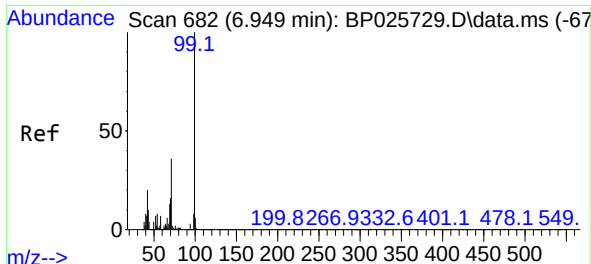
Tgt Ion:152 Resp: 189715
Ion Ratio Lower Upper
152 100
150 152.5 124.3 186.5
115 58.9 50.3 75.5



#5
2-Fluorophenol
Concen: 73.043 ng
RT: 5.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:112 Resp: 858807
Ion Ratio Lower Upper
112 100
64 61.5 50.2 75.4
63 31.0 26.7 40.1



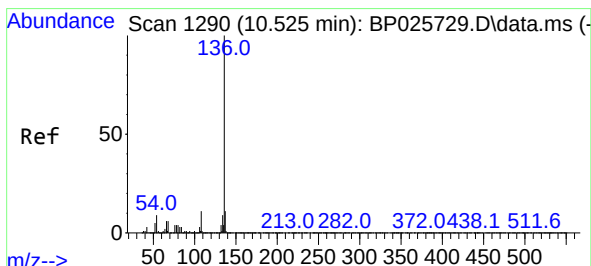
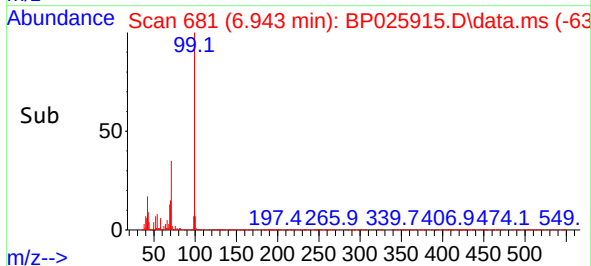
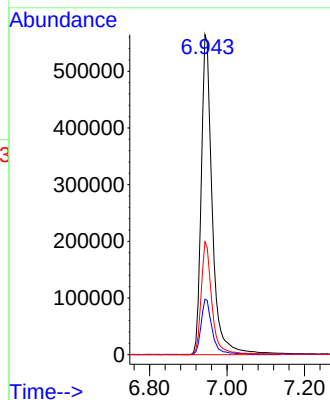
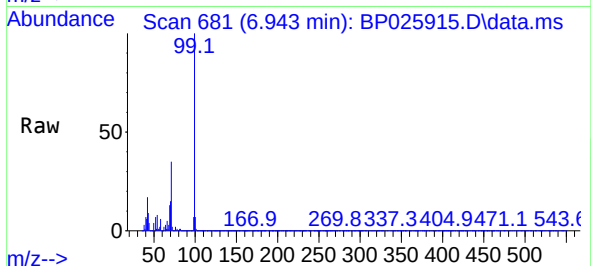


#7
Phenol-d6
Concen: 71.477 ng
RT: 6.943 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Instrument :
BNA_P
ClientSampleId :
EG1-TP1

Tgt Ion: 99 Resp: 1117042

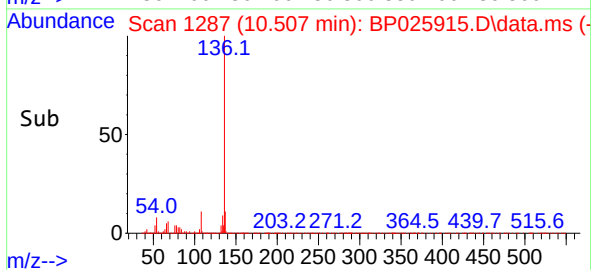
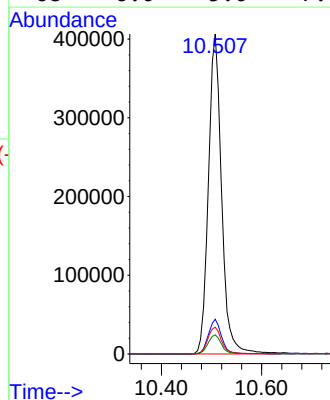
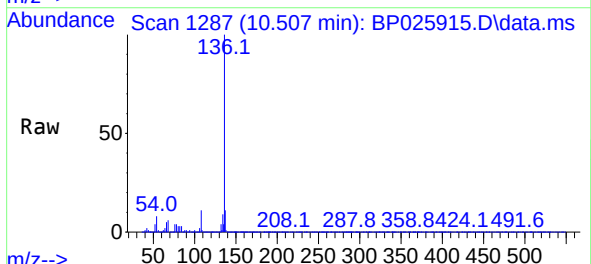
Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.6	23.4
71	35.3	28.6	43.0

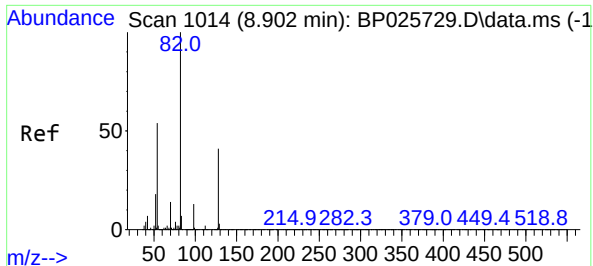


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:136 Resp: 742630

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.3	7.5	11.3
68	6.0	5.0	7.6

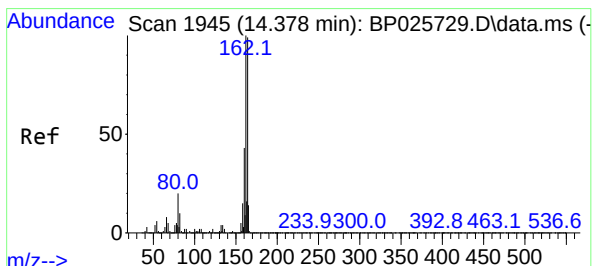
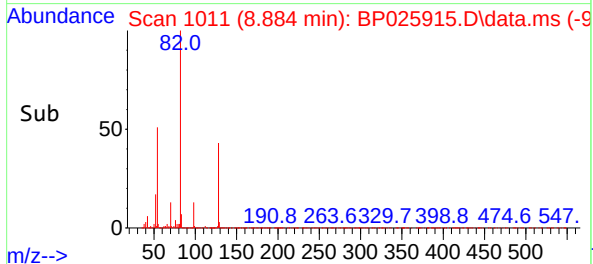
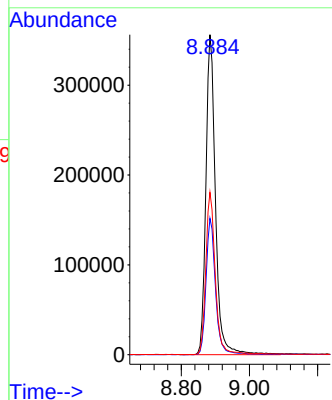
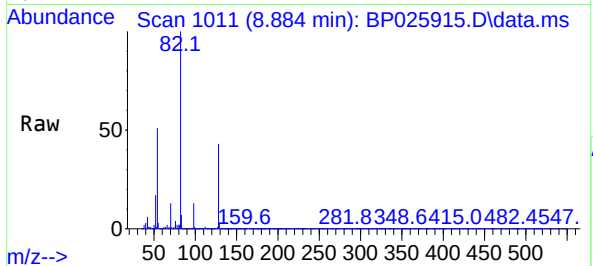




#23
Nitrobenzene-d5
Concen: 41.377 ng
RT: 8.884 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

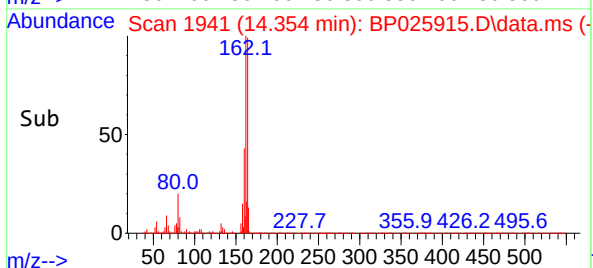
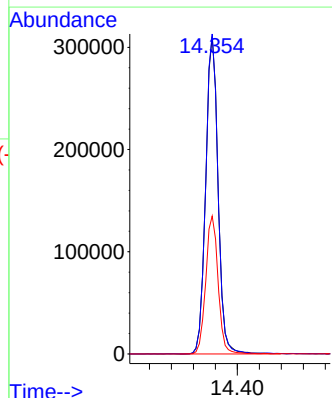
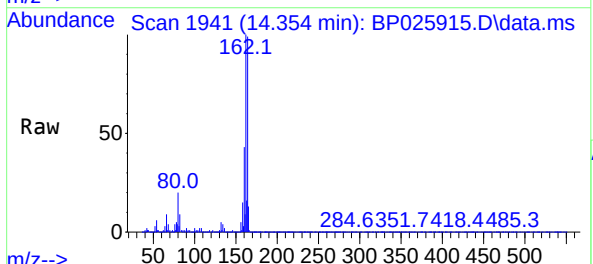
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

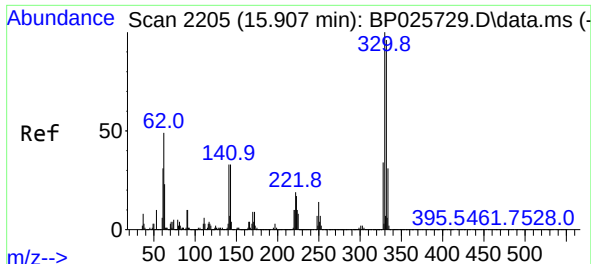
Tgt Ion: 82 Resp: 696595
Ion Ratio Lower Upper
82 100
128 42.6 32.9 49.3
54 50.8 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.354 min Scan# 1941
Delta R.T. -0.023 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion: 164 Resp: 483888
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 43.4 35.0 52.6

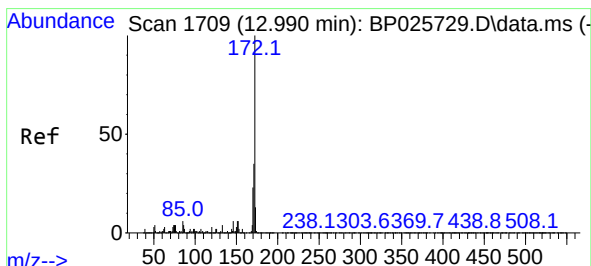
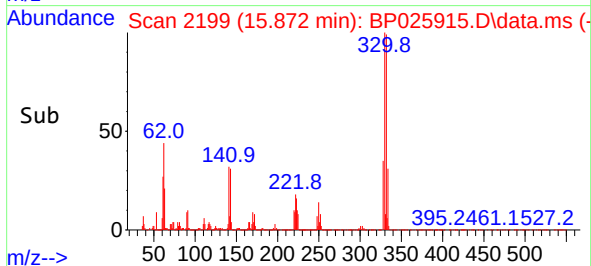
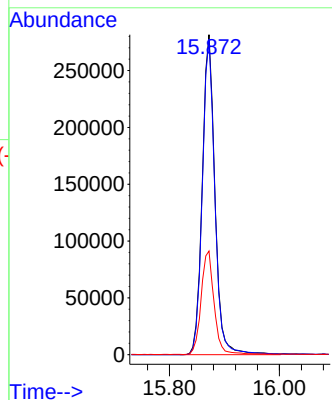
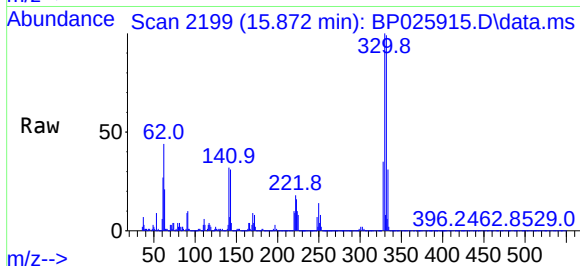




#42
2,4,6-Tribromophenol
Concen: 74.775 ng
RT: 15.872 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

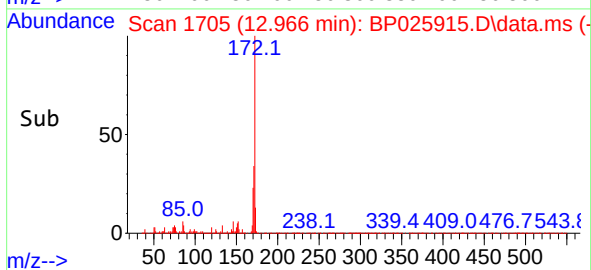
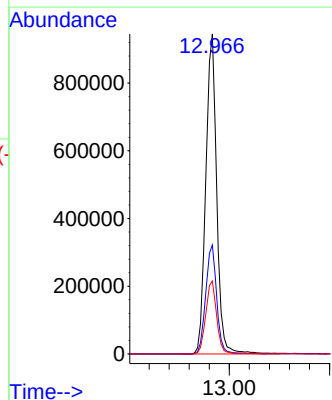
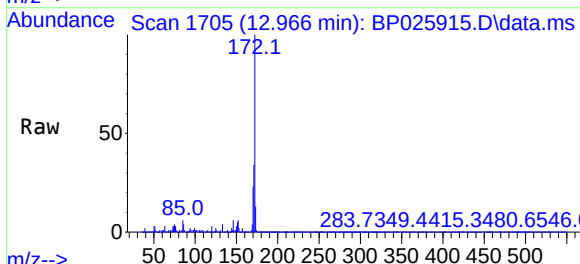
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

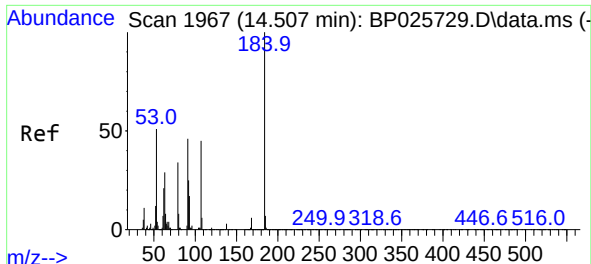
Tgt Ion:	330	Resp:	451307
Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.9	115.3
141	33.2	31.0	46.4



#45
2-Fluorobiphenyl
Concen: 39.354 ng
RT: 12.966 min Scan# 1705
Delta R.T. -0.023 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:	172	Resp:	1430191
Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.6
170	22.8	18.6	27.8

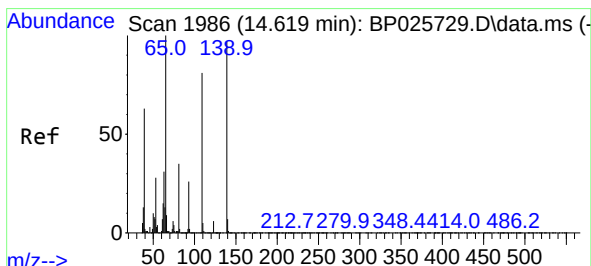
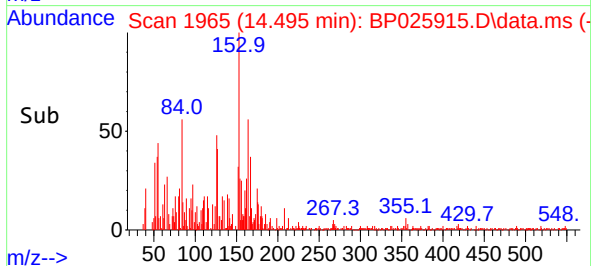
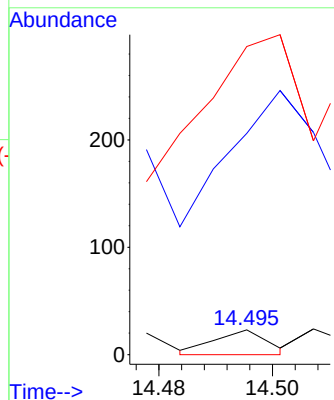
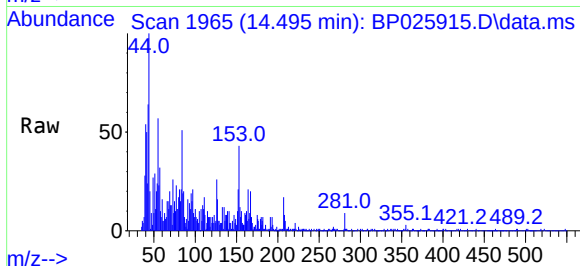




#54
2,4-Dinitrophenol
Concen: 4.827 ng
RT: 14.495 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

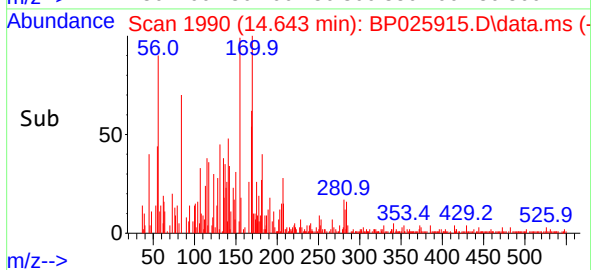
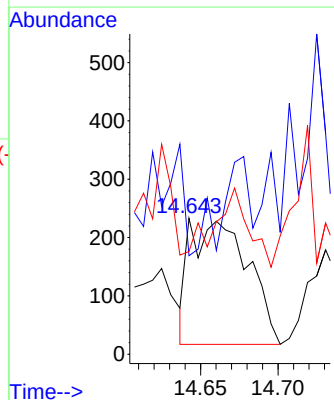
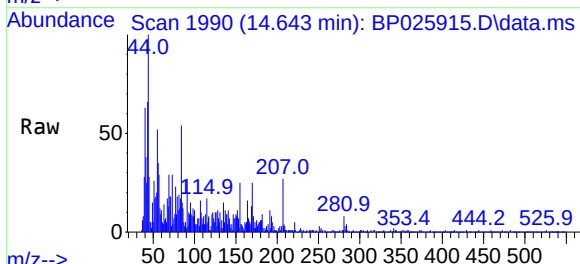
Instrument :
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ClientSampleId :
EG1-TP1

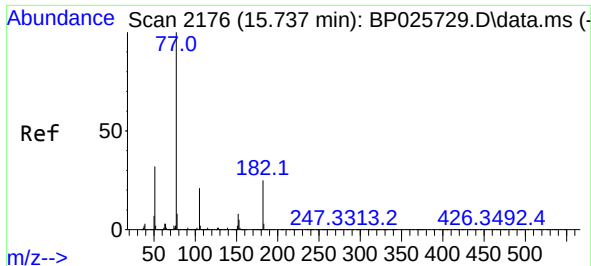
Tgt Ion:184 Resp: 15
Ion Ratio Lower Upper
184 100
63 895.7 52.5 78.7#
154 1247.8 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.556 ng
RT: 14.643 min Scan# 1990
Delta R.T. 0.024 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:139 Resp: 551
Ion Ratio Lower Upper
139 100
109 72.5 62.9 102.9
65 75.5 83.4 123.4#

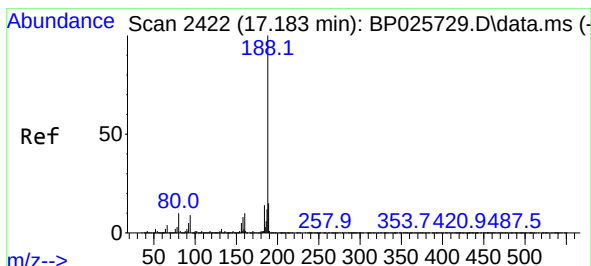
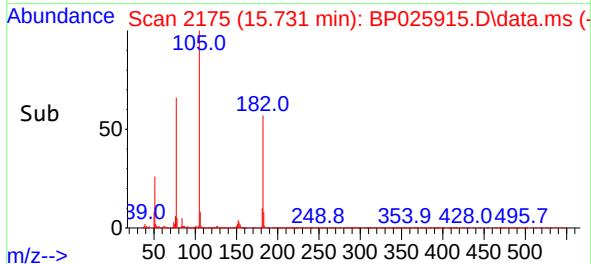
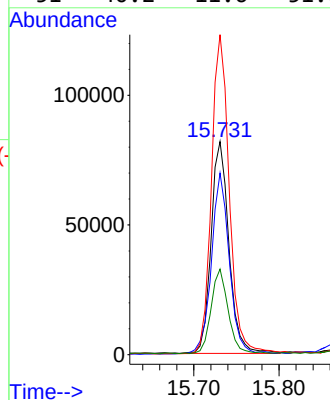
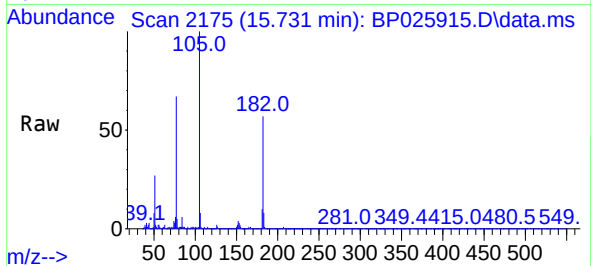




#63
Azobenzene
Concen: 3.290 ng
RT: 15.731 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

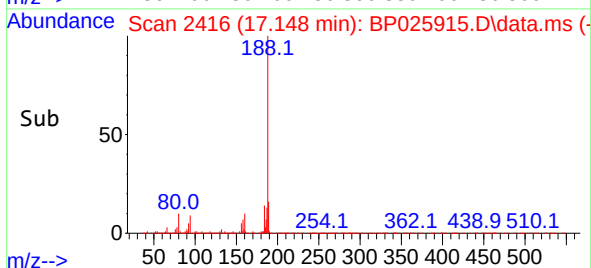
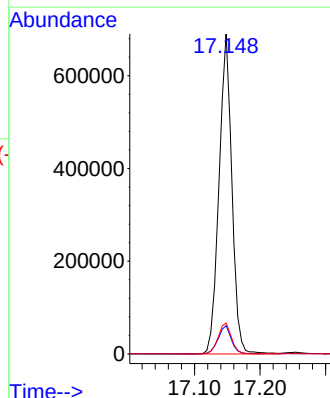
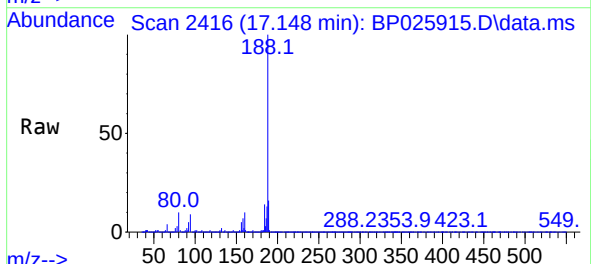
Instrument :
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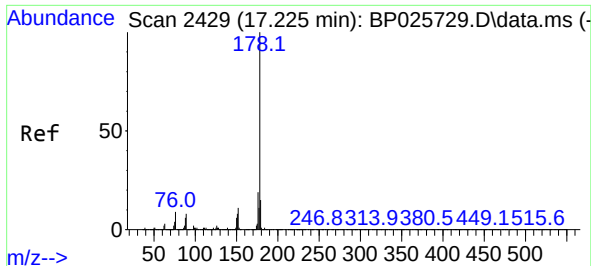
Tgt Ion: 77 Resp: 119222
Ion Ratio Lower Upper
77 100
182 85.2 5.2 45.2#
105 150.2 1.1 41.1#
51 40.2 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.148 min Scan# 2416
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:188 Resp: 934590
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.0
80 9.6 7.7 11.5

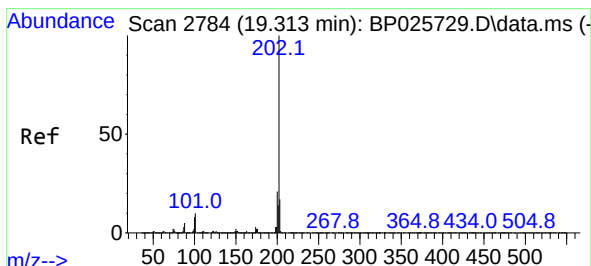
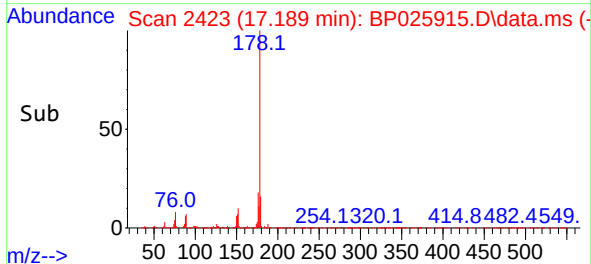
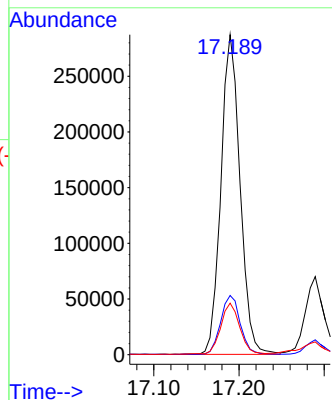
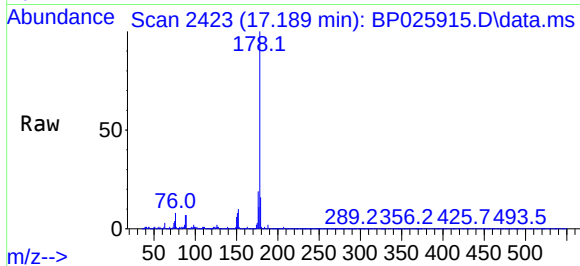




#71
Phenanthrene
Concen: 8.438 ng
RT: 17.189 min Scan# 2429
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

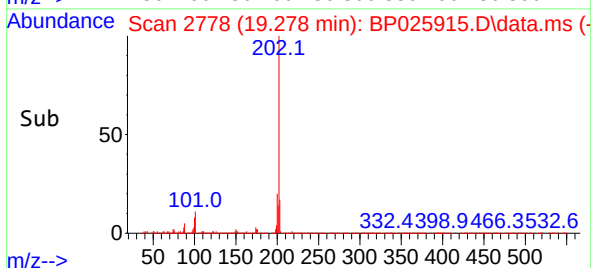
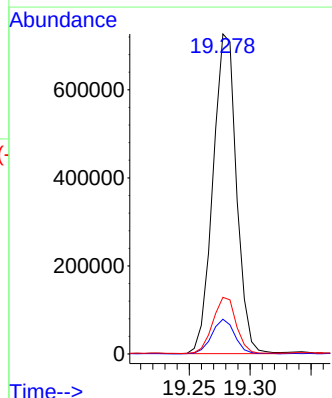
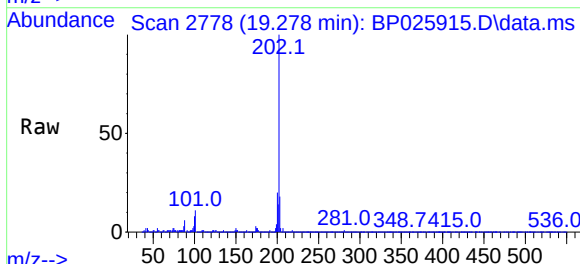
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

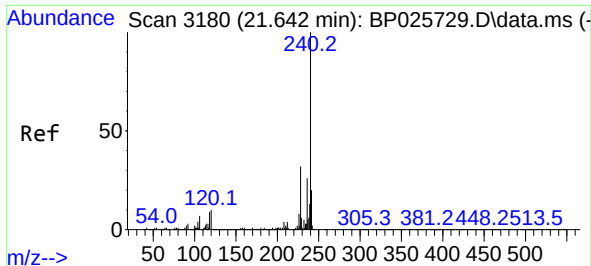
Tgt Ion:178 Resp: 447370
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 16.1 12.2 18.4



#75
Fluoranthene
Concen: 15.368 ng
RT: 19.278 min Scan# 2778
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:202 Resp: 977148
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.4
203 17.7 0.0 37.4

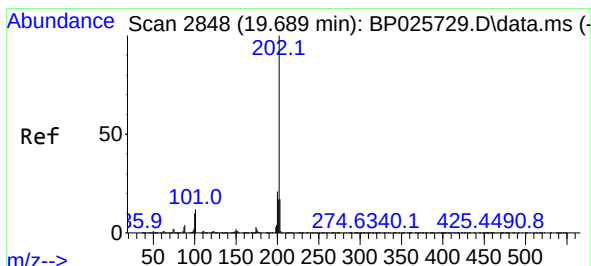
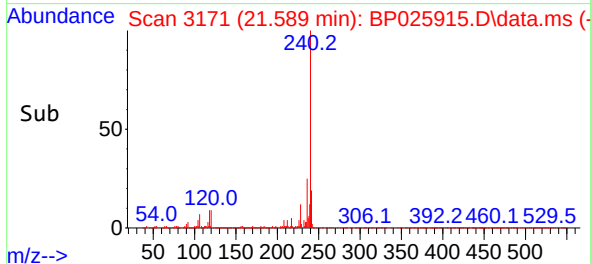
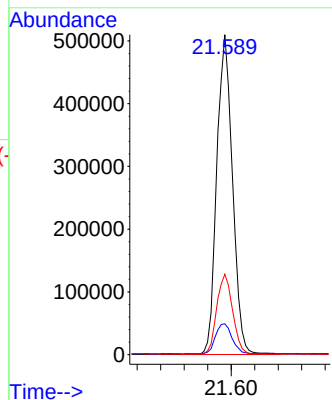
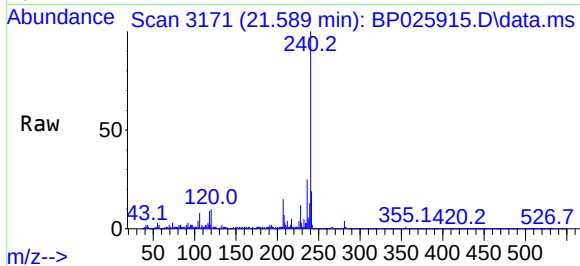




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

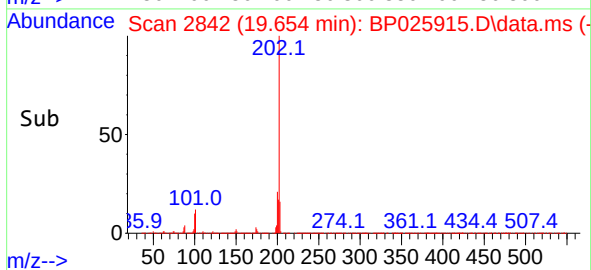
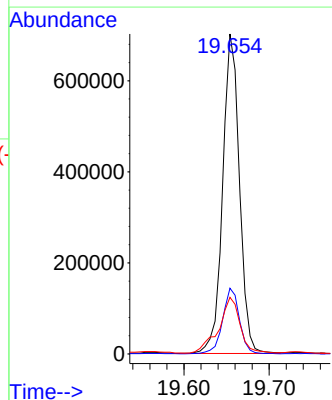
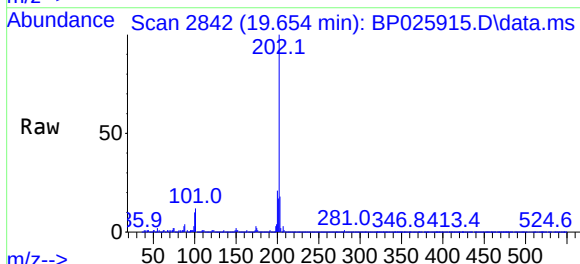
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

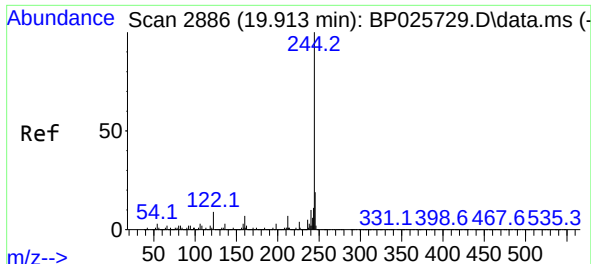
Tgt Ion:240 Resp: 948281
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.2 20.7 31.1



#78
Pyrene
Concen: 15.214 ng
RT: 19.654 min Scan# 2842
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:202 Resp: 962664
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 17.7 13.9 20.9

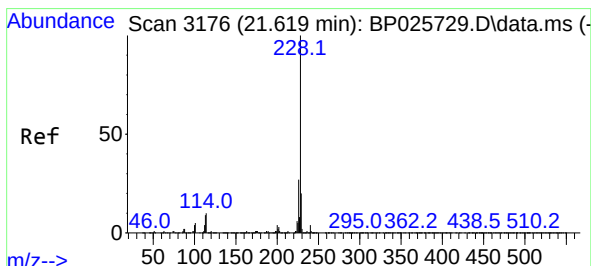
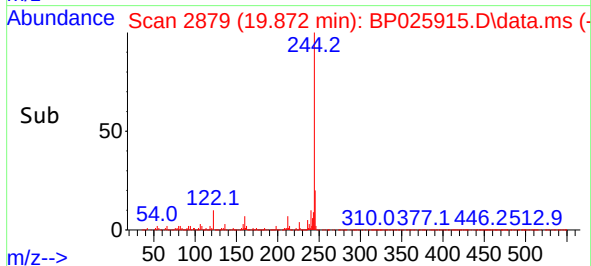
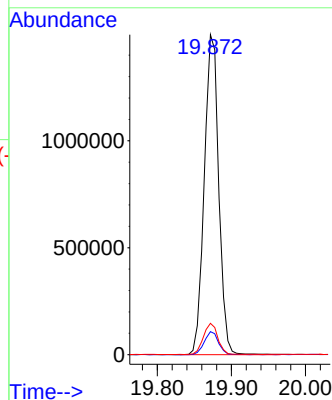
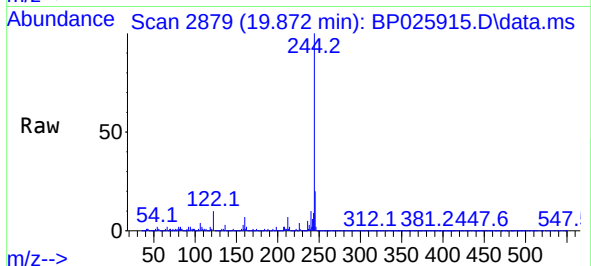




#79
 Terphenyl-d14
 Concen: 38.430 ng
 RT: 19.872 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BP025915.D
 Acq: 03 Oct 2025 15:40

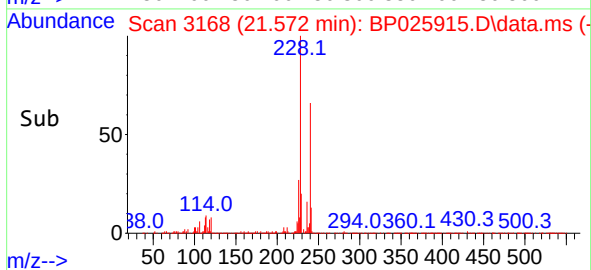
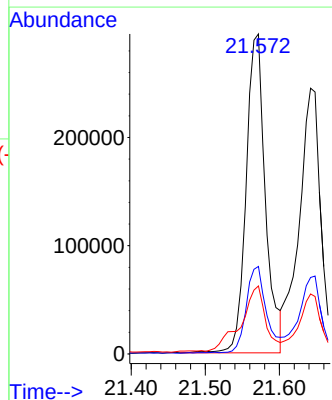
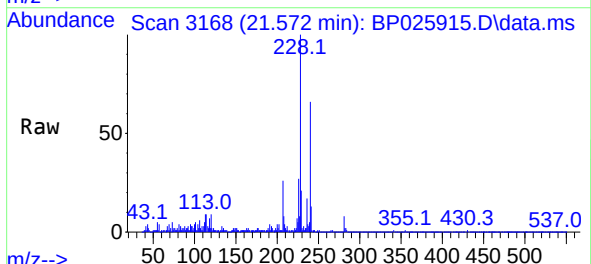
Instrument :
 BNA_P
 ClientSampleId :
 EG1-TP1

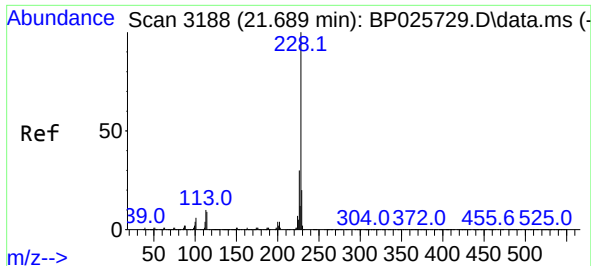
Tgt Ion:244 Resp: 2025701
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.8 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 8.207 ng
 RT: 21.572 min Scan# 3168
 Delta R.T. -0.047 min
 Lab File: BP025915.D
 Acq: 03 Oct 2025 15:40

Tgt Ion:228 Resp: 532830
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.6 32.4
 229 21.3 15.7 23.5

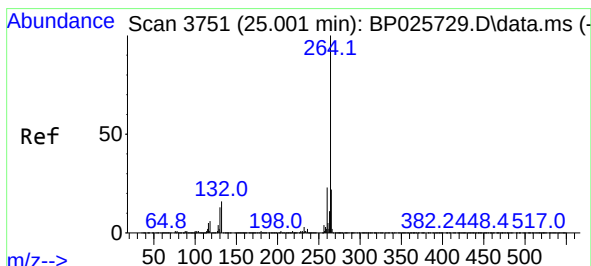
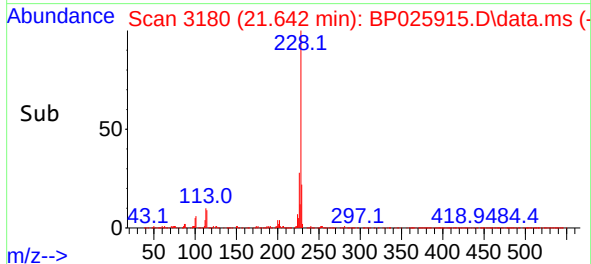
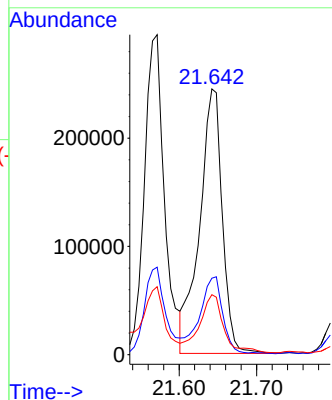
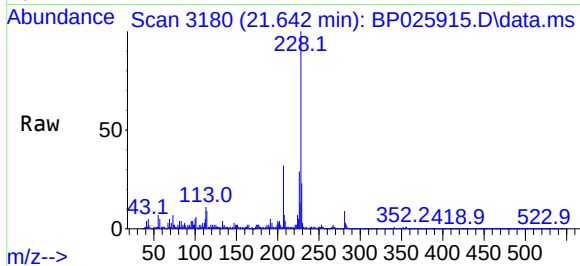




#83
Chrysene
Concen: 8.056 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.047 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

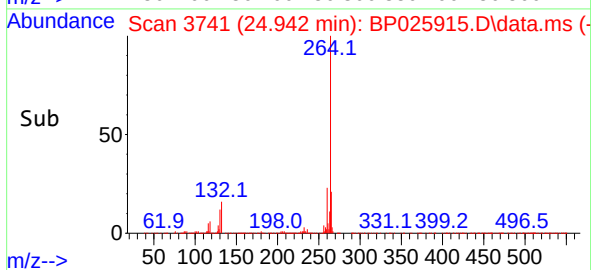
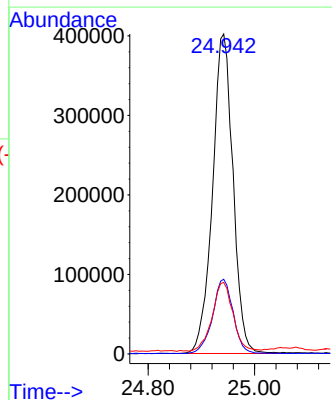
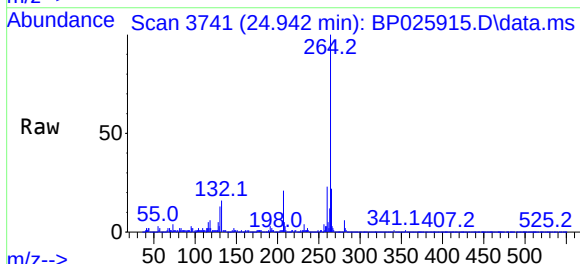
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

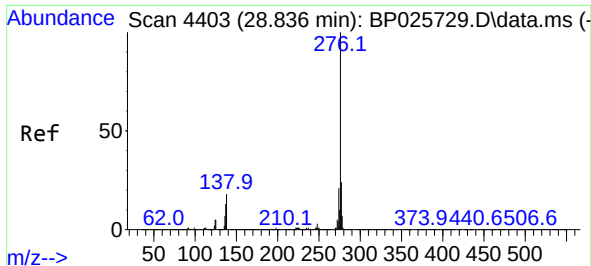
Tgt Ion:228 Resp: 498539
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.6
229 22.6 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.942 min Scan# 3741
Delta R.T. -0.059 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:264 Resp: 1072564
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 22.3 17.3 25.9

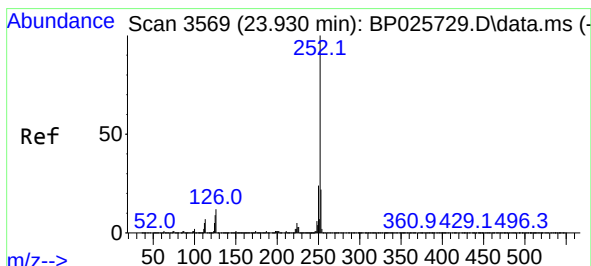
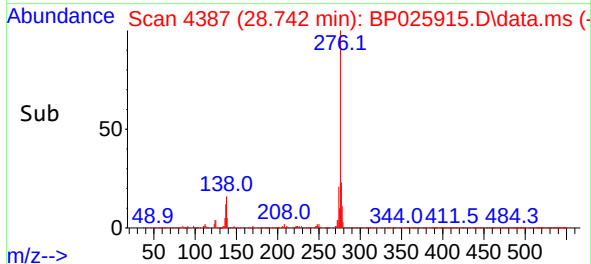
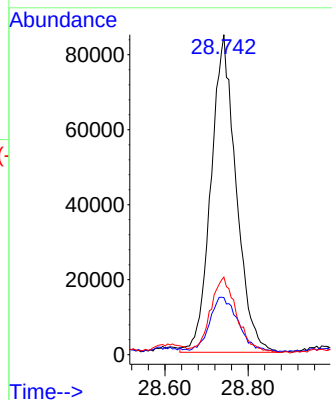
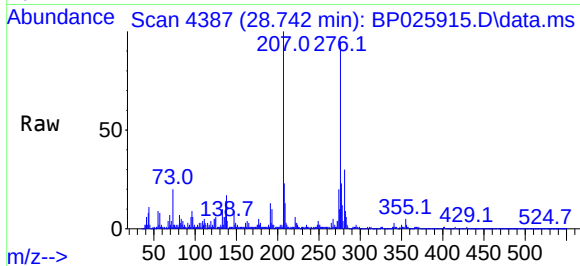




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.567 ng
 RT: 28.742 min Scan# 41
 Delta R.T. -0.094 min
 Lab File: BP025915.D
 Acq: 03 Oct 2025 15:40

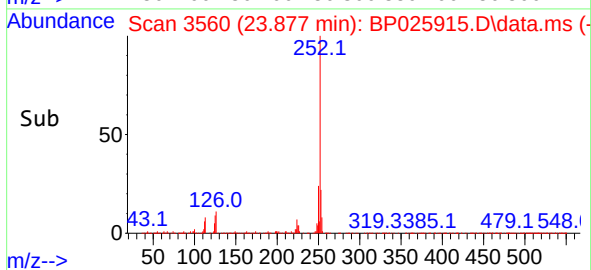
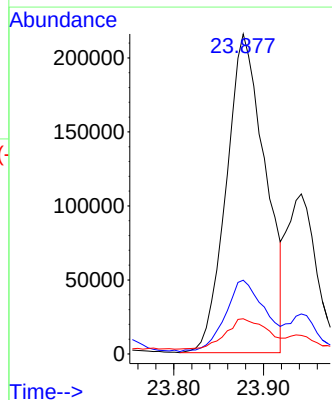
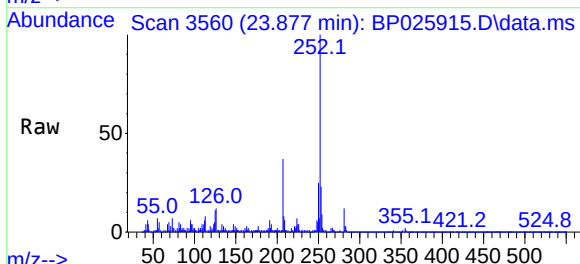
Instrument :
 BNA_P
 ClientSampleId :
 EG1-TP1

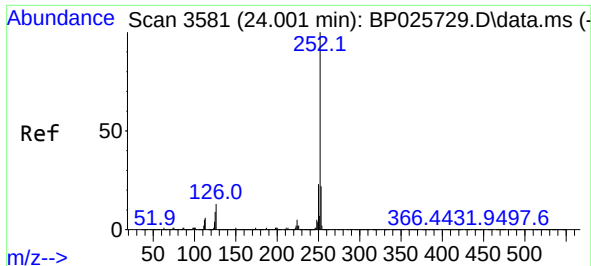
Tgt Ion:276 Resp: 356196
 Ion Ratio Lower Upper
 276 100
 138 19.3 13.4 20.2
 277 24.7 9.1 13.7#



#88
 Benzo(b)fluoranthene
 Concen: 9.857 ng
 RT: 23.877 min Scan# 3560
 Delta R.T. -0.053 min
 Lab File: BP025915.D
 Acq: 03 Oct 2025 15:40

Tgt Ion:252 Resp: 646511
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.9 26.9
 125 11.0 7.3 10.9#

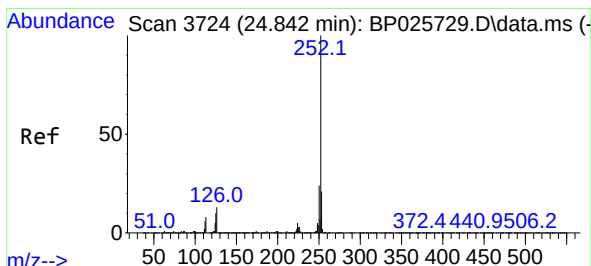
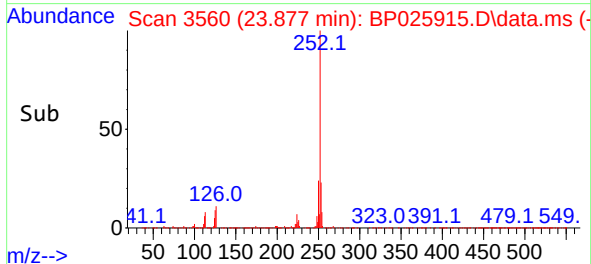
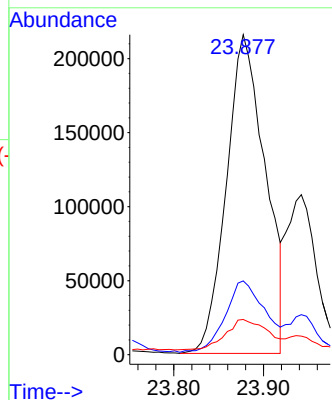
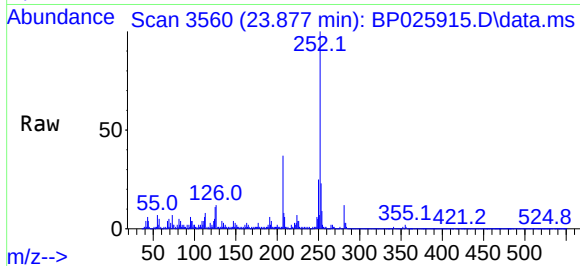




#89
Benzo(k)fluoranthene
Concen: 9.660 ng
RT: 23.877 min Scan# 31
Delta R.T. -0.123 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

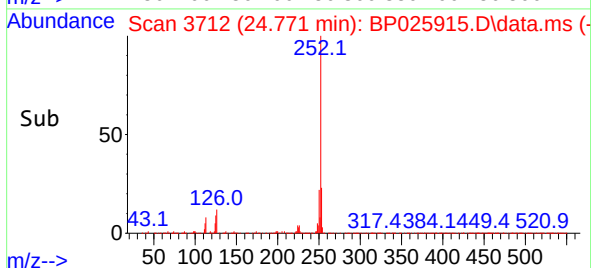
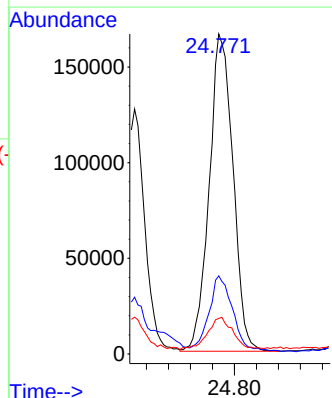
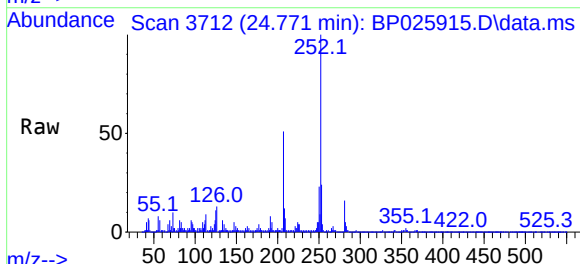
Instrument :
BNA_P
ClientSampleId :
EG1-TP1

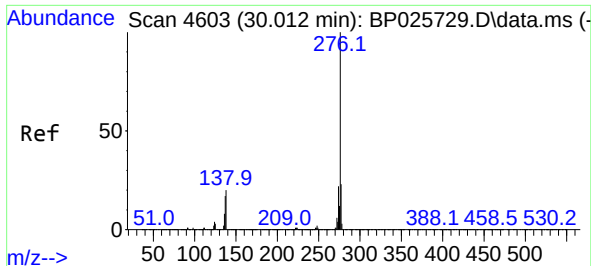
Tgt Ion:252 Resp: 646511
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.0 7.5 11.3



#90
Benzo(a)pyrene
Concen: 7.763 ng
RT: 24.771 min Scan# 3712
Delta R.T. -0.071 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

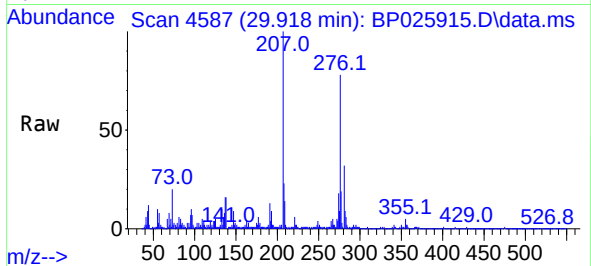
Tgt Ion:252 Resp: 498633
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 11.1 8.3 12.5





#92
Benzo(g,h,i)perylene
Concen: 5.492 ng
RT: 29.918 min Scan# 4
Delta R.T. -0.094 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Instrument :
BNA_P
ClientSampleId :
EG1-TP1



Tgt Ion:276 Resp: 344749
Ion Ratio Lower Upper
276 100
277 24.5 18.7 28.1
138 20.3 16.0 24.0

