

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025885.D
 Acq On : 29 Sep 2025 17:49
 Operator : CG/JU
 Sample : Q3212-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-092525

Quant Time: Sep 29 18:18:01 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)

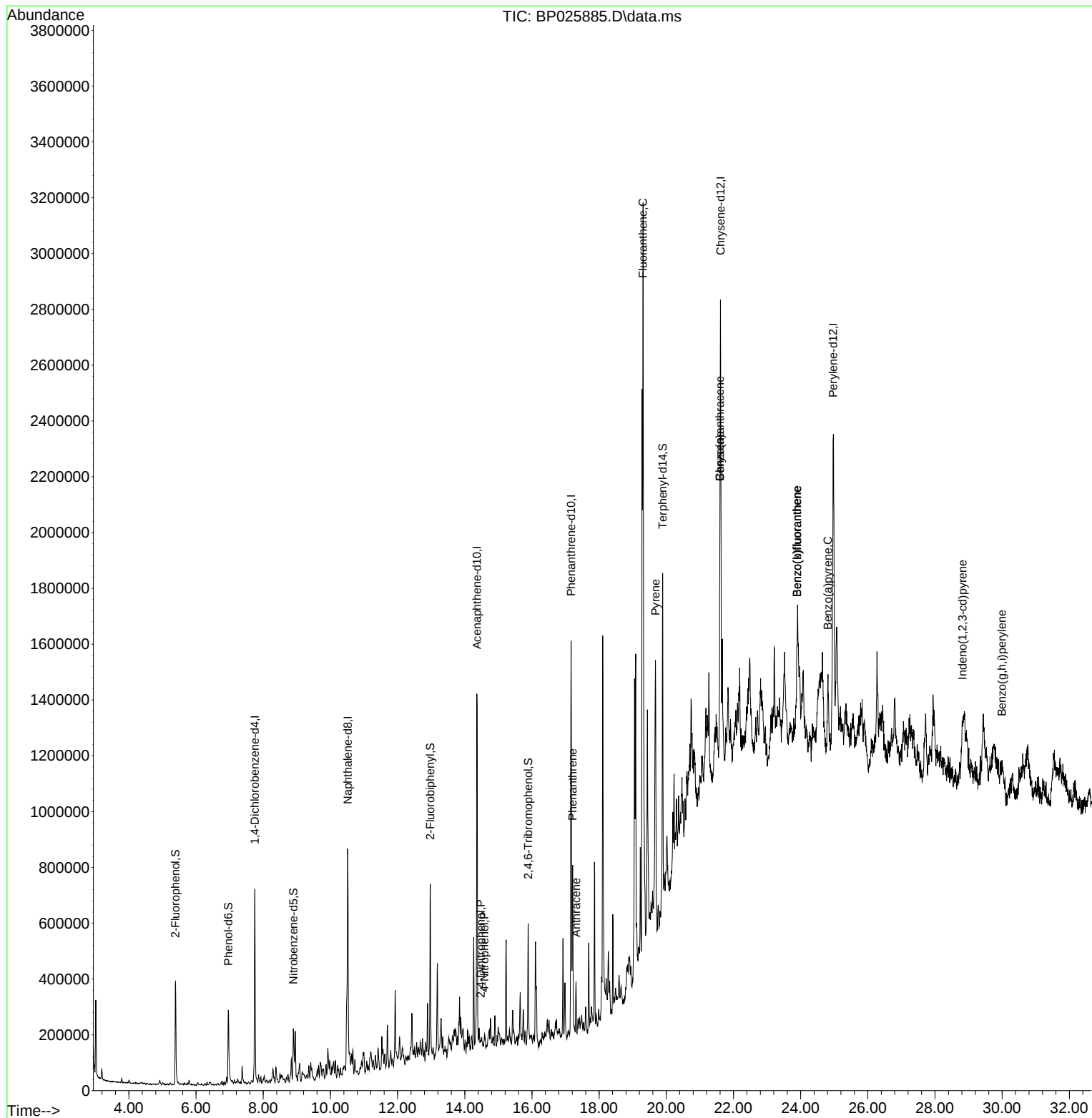
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	195256	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	704557	20.000	ng	-0.01
39) Acenaphthene-d10	14.360	164	452040	20.000	ng	-0.02
64) Phenanthrene-d10	17.166	188	941946	20.000	ng	-0.02
76) Chrysene-d12	21.613	240	1027786	20.000	ng	-0.03
86) Perylene-d12	24.965	264	1180858	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	198316	16.388	ng	0.00
7) Phenol-d6	6.960	99	223706	13.908	ng	0.01
23) Nitrobenzene-d5	8.896	82	136615	8.553	ng	0.00
42) 2,4,6-Tribromophenol	15.889	330	100761	17.871	ng	-0.02
45) 2-Fluorobiphenyl	12.972	172	360145	10.608	ng	-0.02
79) Terphenyl-d14	19.889	244	612382	10.719	ng	-0.02
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.478	184	214	4.867	ng	# 1
56) 4-Nitrophenol	14.584	139	1976	4.764	ng	# 26
71) Phenanthrene	17.213	178	439019	8.216	ng	99
72) Anthracene	17.313	178	134153	2.474	ng	98
75) Fluoranthene	19.301	202	560884	8.752	ng	99
78) Pyrene	19.677	202	607613	8.860	ng	99
81) Benzo(a)anthracene	21.595	228	294781	4.189	ng	92
83) Chrysene	21.595	228	294781	4.395	ng	95
87) Indeno(1,2,3-cd)pyrene	28.818	276	176376	2.054	ng	# 79
88) Benzo(b)fluoranthene	23.895	252	346114	4.793	ng	# 91
89) Benzo(k)fluoranthene	23.895	252	346114	4.697	ng	# 91
90) Benzo(a)pyrene	24.812	252	282330	3.992	ng	# 90
92) Benzo(g,h,i)perylene	29.989	276	181990	2.633	ng	# 90

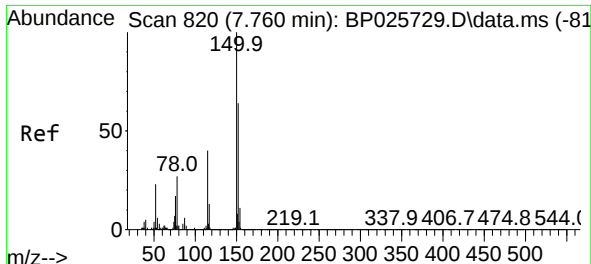
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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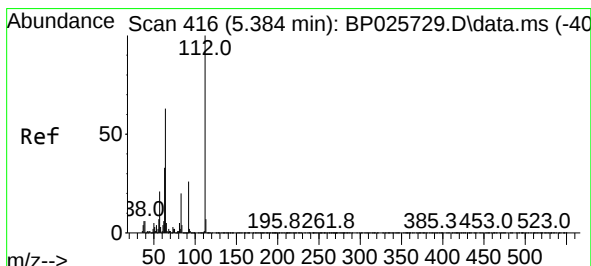
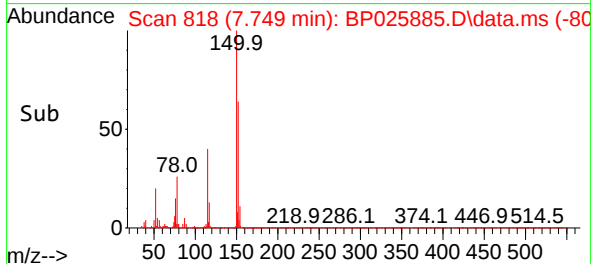
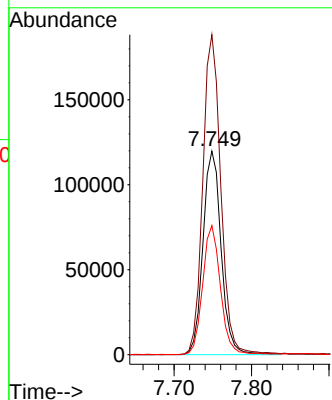
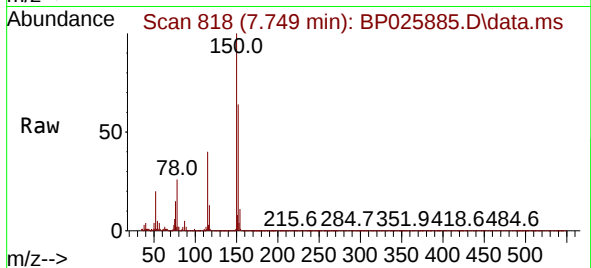




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.749 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BP025885.D
 Acq: 29 Sep 2025 17:49

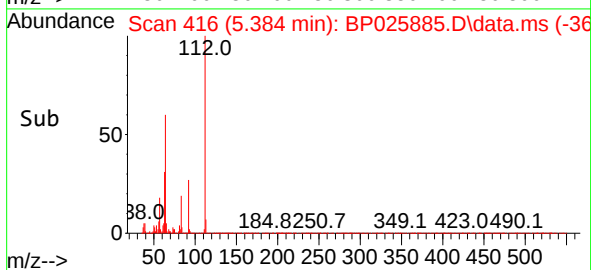
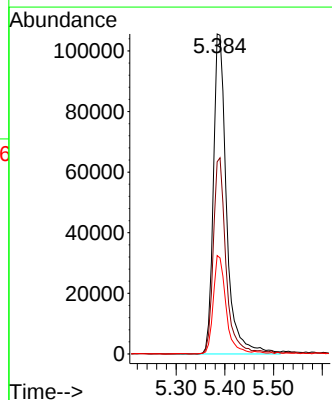
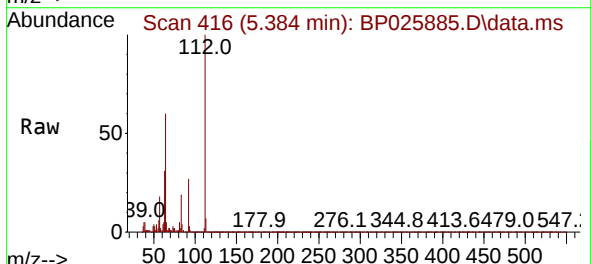
Instrument :
 BNA_P
 ClientSampleId :
 EO-03-092525

Tgt Ion:152 Resp: 195256
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.3 186.5
 115 63.5 50.3 75.5



#5
 2-Fluorophenol
 Concen: 16.388 ng
 RT: 5.384 min Scan# 416
 Delta R.T. -0.000 min
 Lab File: BP025885.D
 Acq: 29 Sep 2025 17:49

Tgt Ion:112 Resp: 198316
 Ion Ratio Lower Upper
 112 100
 64 60.1 50.2 75.4
 63 30.8 26.7 40.1

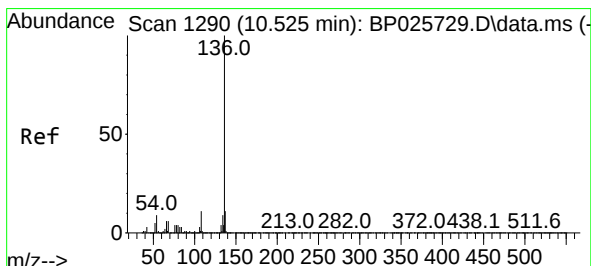
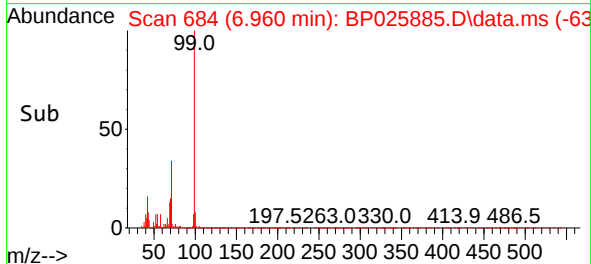
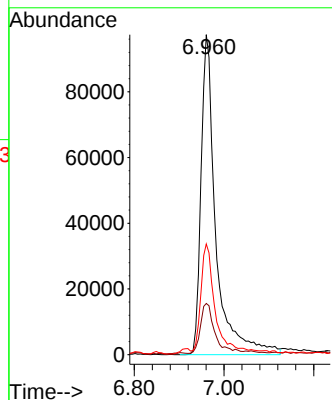
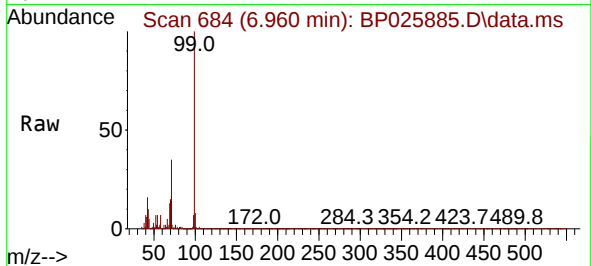




#7
Phenol-d6
Concen: 13.908 ng
RT: 6.960 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

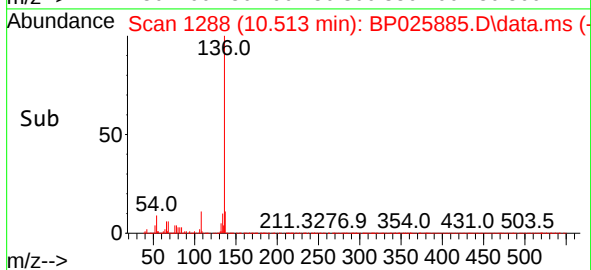
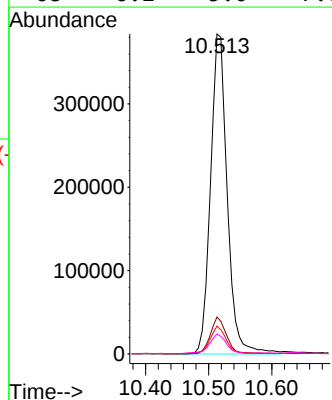
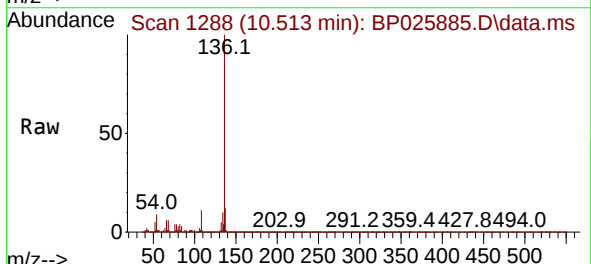
Instrument :
BNA_P
ClientSampleId :
EO-03-092525

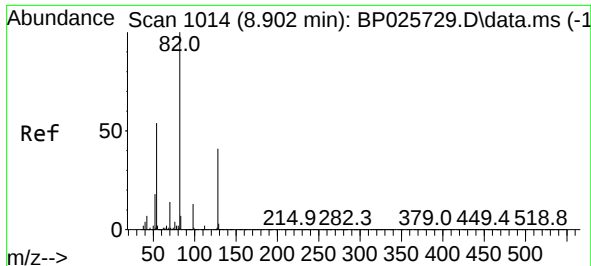
Tgt Ion: 99 Resp: 223706
Ion Ratio Lower Upper
99 100
42 16.0 15.6 23.4
71 34.6 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

Tgt Ion: 136 Resp: 704557
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 8.7 7.5 11.3
68 6.2 5.0 7.6

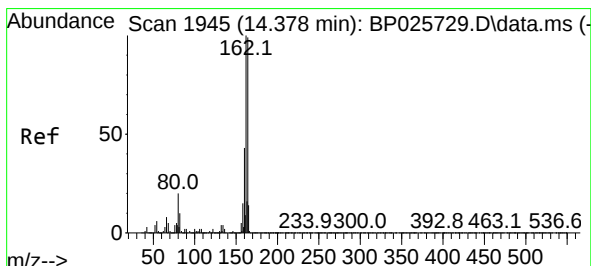
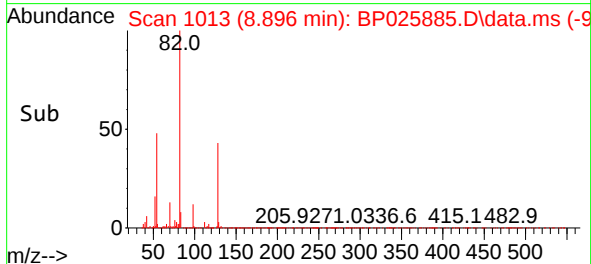
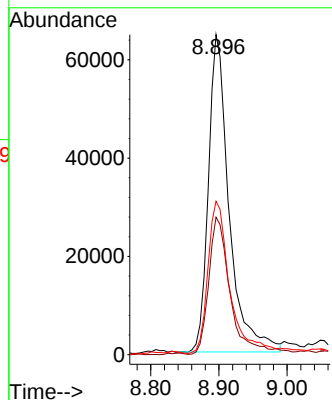
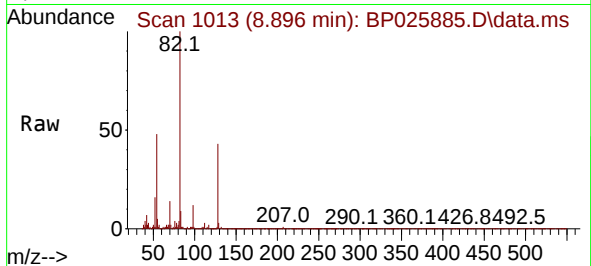




#23
Nitrobenzene-d5
Concen: 8.553 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

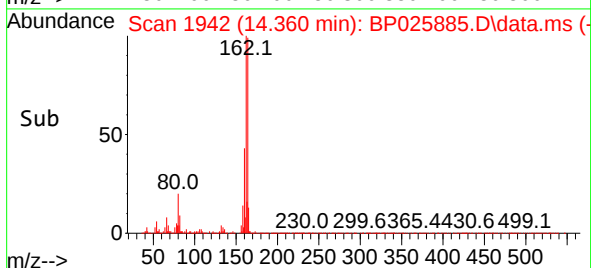
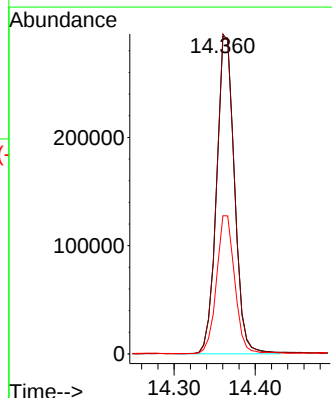
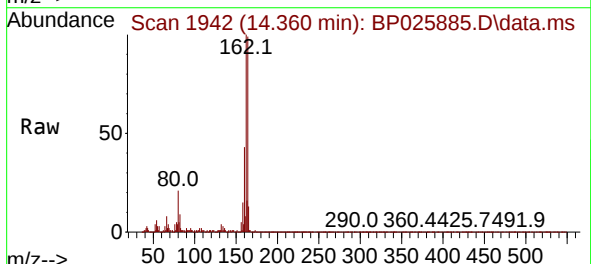
Instrument :
BNA_P
ClientSampleId :
EO-03-092525

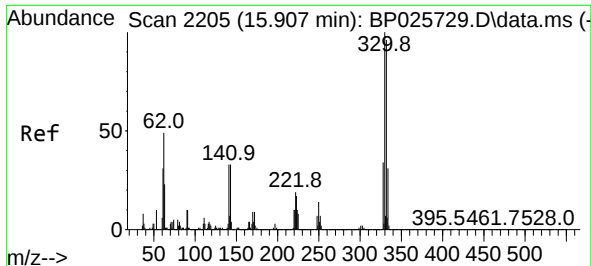
Tgt Ion: 82 Resp: 136615
Ion Ratio Lower Upper
82 100
128 42.9 32.9 49.3
54 48.0 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.360 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

Tgt Ion: 164 Resp: 452040
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 43.5 35.0 52.6

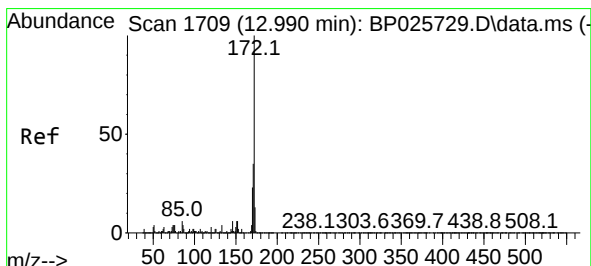
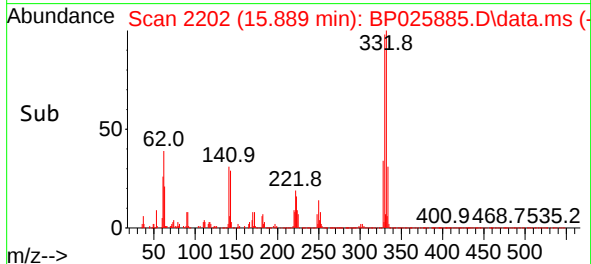
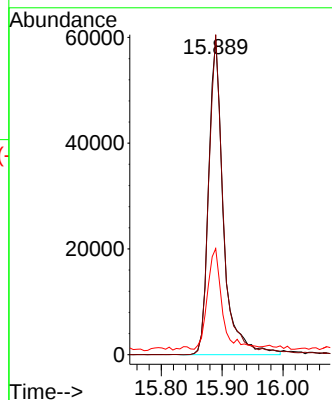
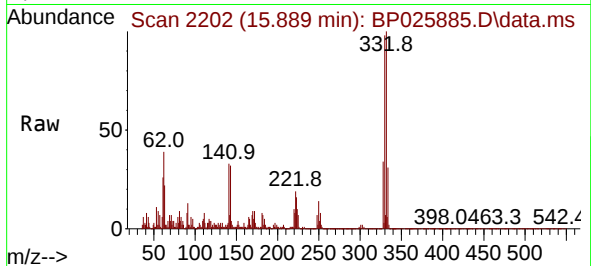




#42
2,4,6-Tribromophenol
Concen: 17.871 ng
RT: 15.889 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

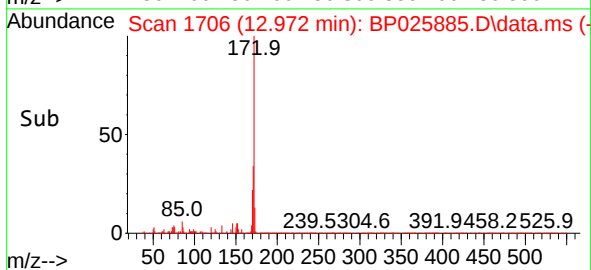
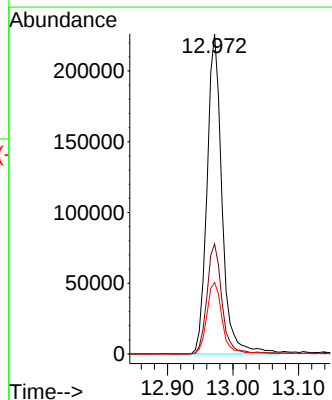
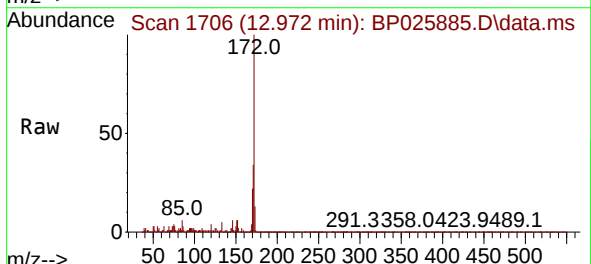
Instrument :
BNA_P
ClientSampleId :
EO-03-092525

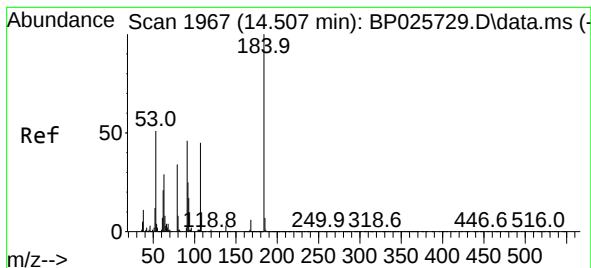
Tgt Ion:330 Resp: 100761
Ion Ratio Lower Upper
330 100
332 99.8 76.9 115.3
141 31.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 10.608 ng
RT: 12.972 min Scan# 1706
Delta R.T. -0.018 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

Tgt Ion:172 Resp: 360145
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.4 18.6 27.8

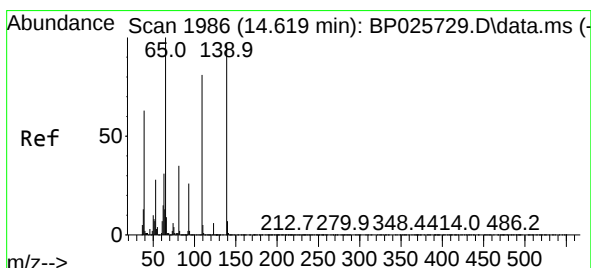
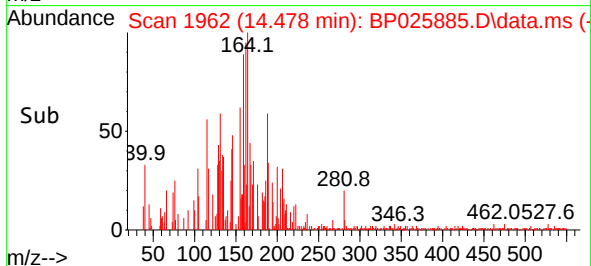
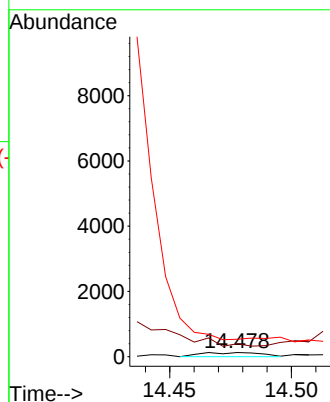
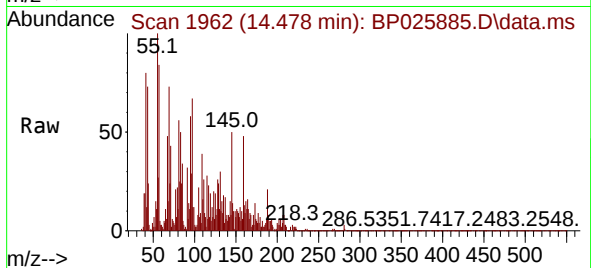




#54
2,4-Dinitrophenol
Concen: 4.867 ng
RT: 14.478 min Scan# 1967
Delta R.T. -0.029 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

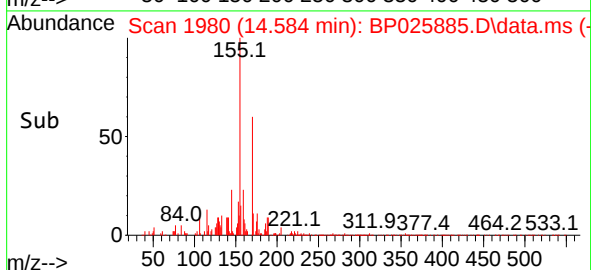
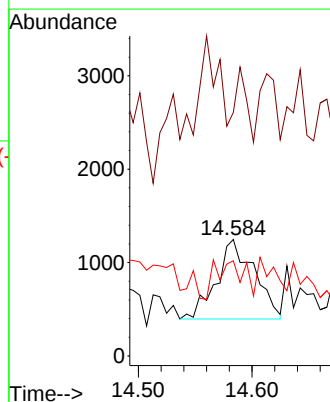
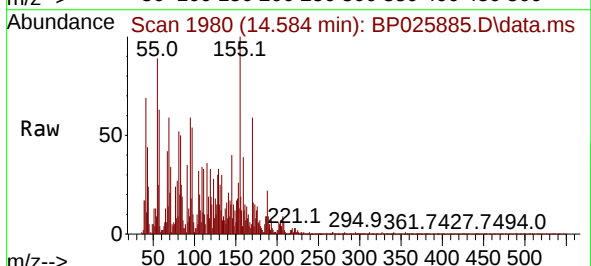
Instrument :
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EO-03-092525

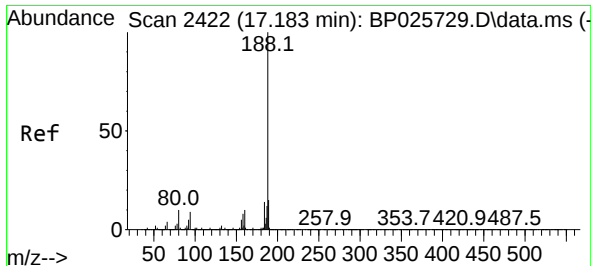
Tgt Ion:184 Resp: 214
Ion Ratio Lower Upper
184 100
63 310.9 52.5 78.7#
154 418.8 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.764 ng
RT: 14.584 min Scan# 1980
Delta R.T. -0.035 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

Tgt Ion:139 Resp: 1976
Ion Ratio Lower Upper
139 100
109 209.0 62.9 102.9#
65 81.7 83.4 123.4#

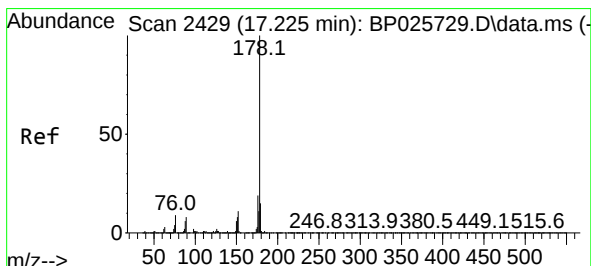
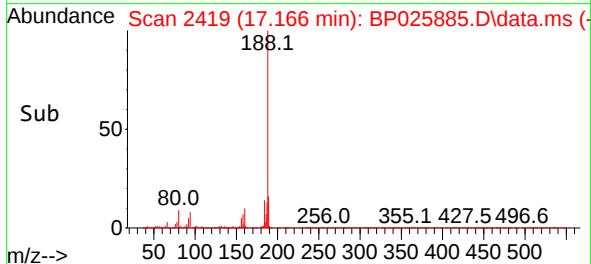
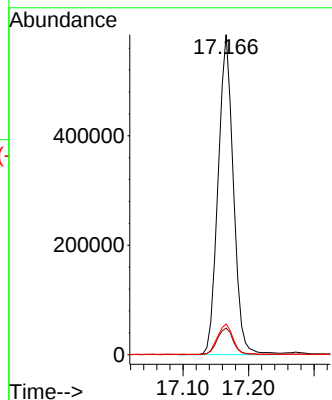
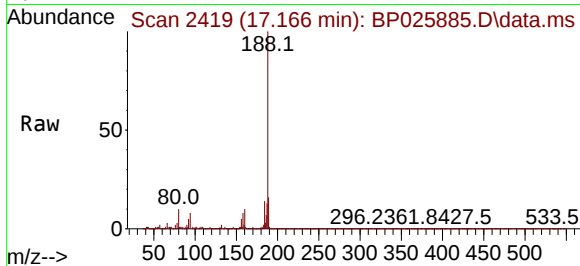




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.166 min Scan# 2419
Delta R.T. -0.018 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

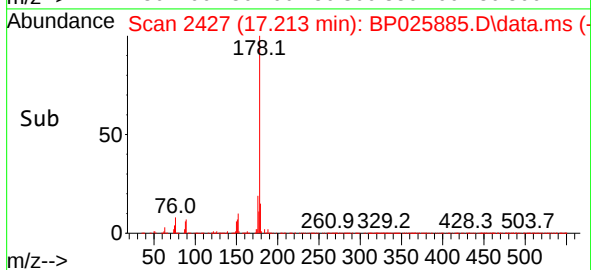
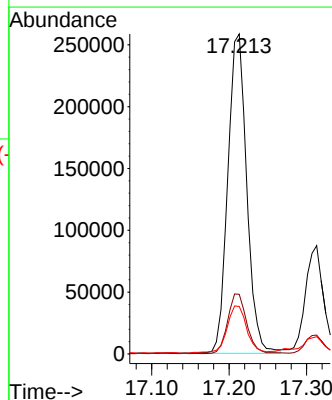
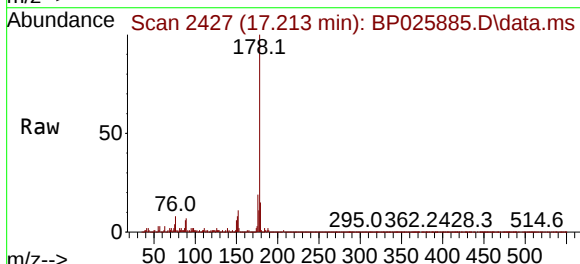
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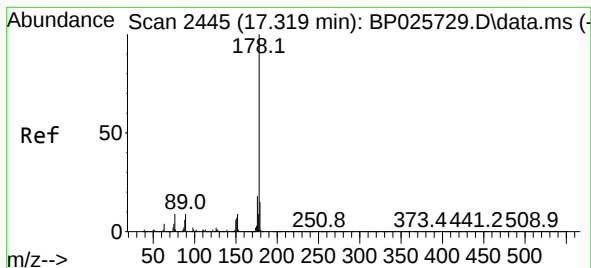
Tgt Ion:188 Resp: 941946
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.0
80 9.6 7.7 11.5



#71
Phenanthrene
Concen: 8.216 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

Tgt Ion:178 Resp: 439019
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.9 12.2 18.4





#72

Anthracene

Concen: 2.474 ng

RT: 17.313 min Scan# 2445

Delta R.T. -0.006 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

EO-03-092525

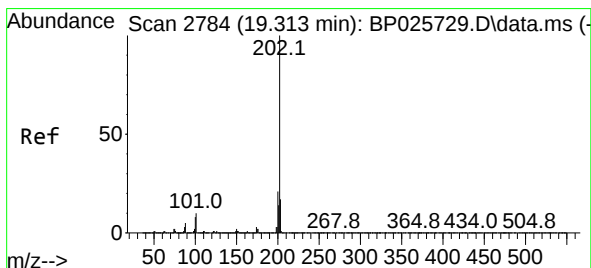
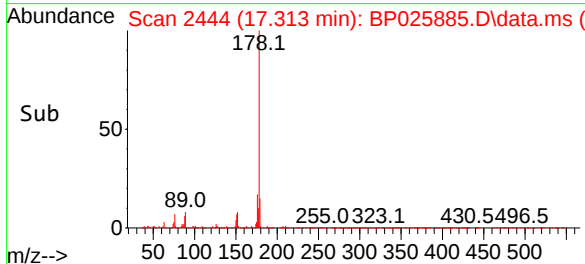
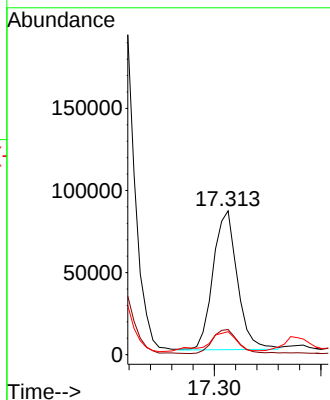
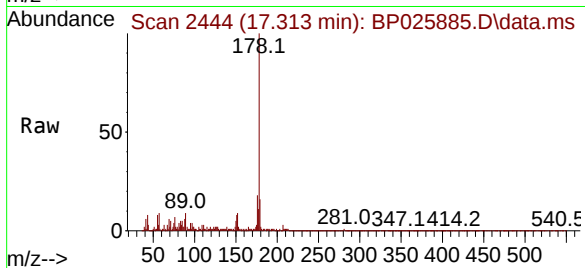
Tgt Ion:178 Resp: 134153

Ion Ratio Lower Upper

178 100

176 17.5 14.8 22.2

179 16.0 12.2 18.4



#75

Fluoranthene

Concen: 8.752 ng

RT: 19.301 min Scan# 2782

Delta R.T. -0.012 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

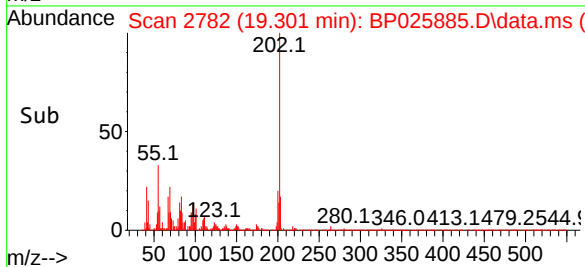
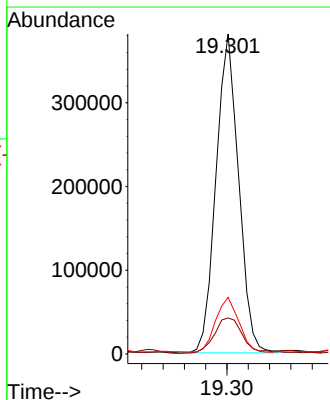
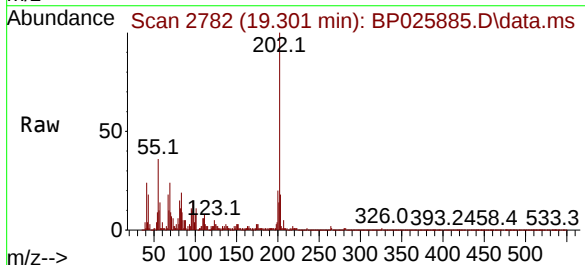
Tgt Ion:202 Resp: 560884

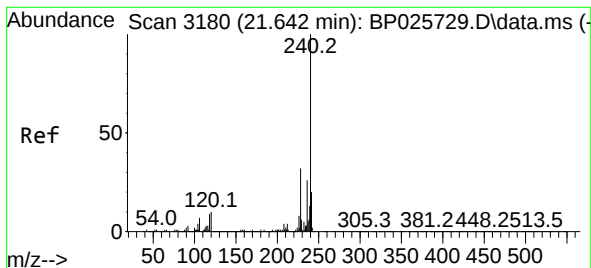
Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.4

203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

EO-03-092525

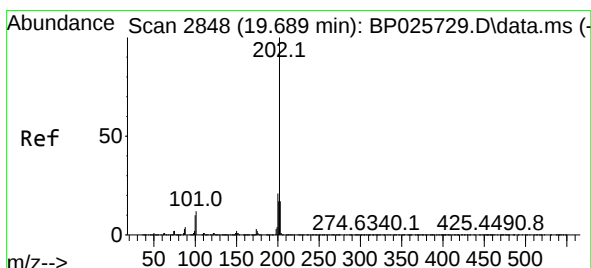
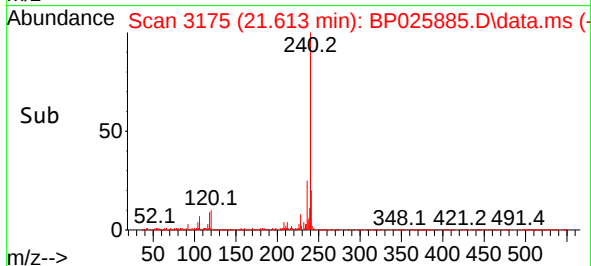
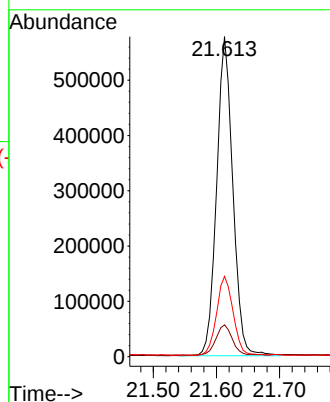
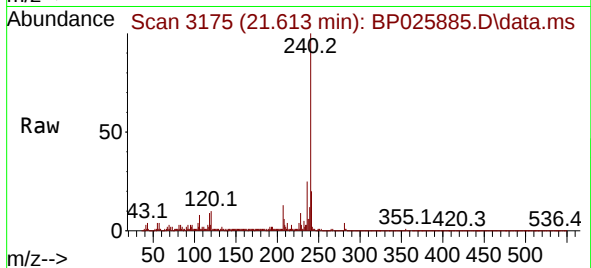
Tgt Ion:240 Resp: 1027786

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.1 20.7 31.1



#78

Pyrene

Concen: 8.860 ng

RT: 19.677 min Scan# 2846

Delta R.T. -0.012 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

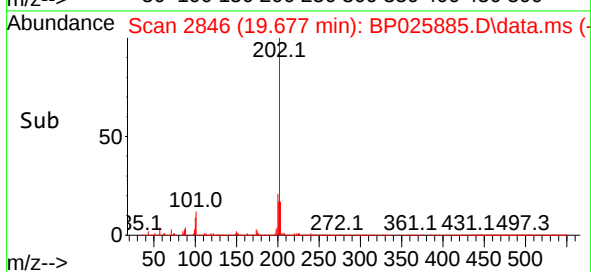
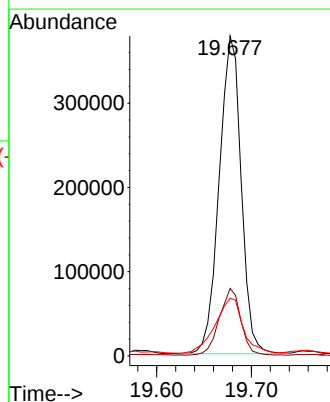
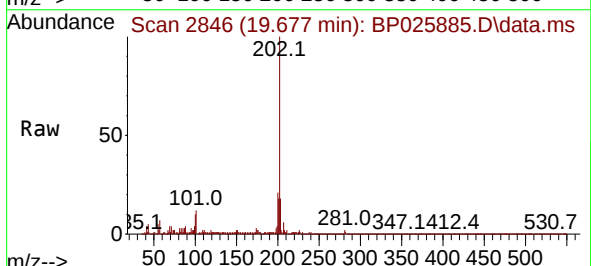
Tgt Ion:202 Resp: 607613

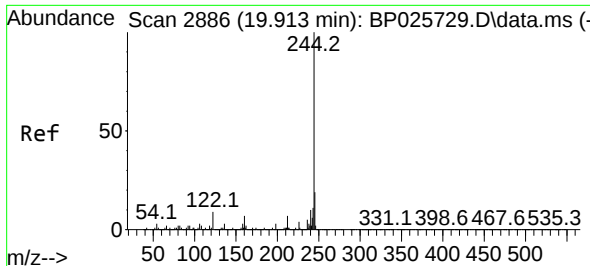
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 18.0 13.9 20.9

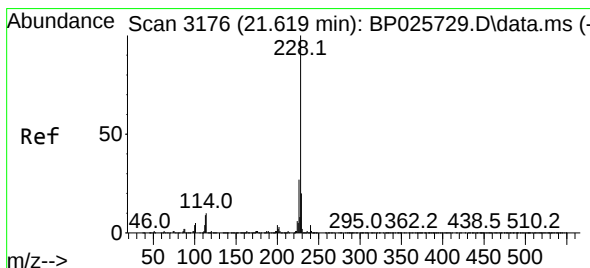
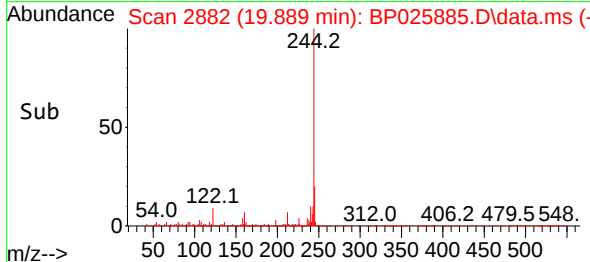
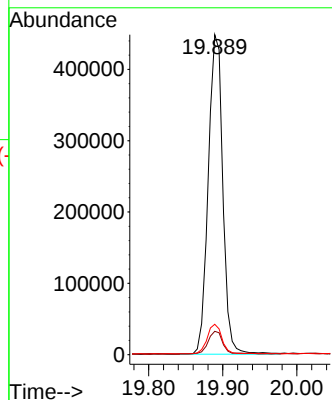
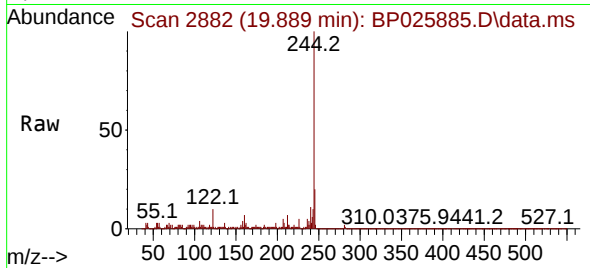




#79
 Terphenyl-d14
 Concen: 10.719 ng
 RT: 19.889 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BP025885.D
 Acq: 29 Sep 2025 17:49

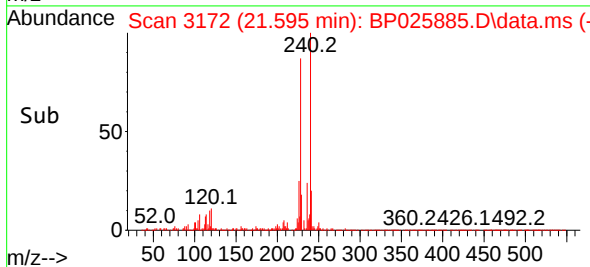
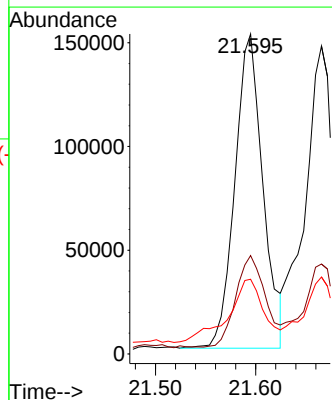
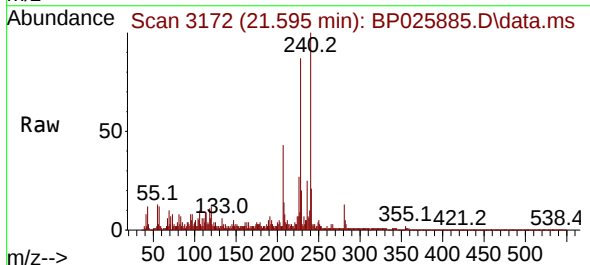
Instrument :
 BNA_P
 ClientSampleId :
 EO-03-092525

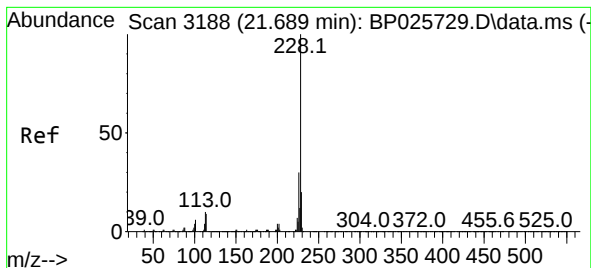
Tgt Ion:244 Resp: 612382
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 9.5 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 4.189 ng
 RT: 21.595 min Scan# 3172
 Delta R.T. -0.024 min
 Lab File: BP025885.D
 Acq: 29 Sep 2025 17:49

Tgt Ion:228 Resp: 294781
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.6 32.4
 229 23.4 15.7 23.5





#83

Chrysene

Concen: 4.395 ng

RT: 21.595 min Scan# 31

Delta R.T. -0.094 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

EO-03-092525

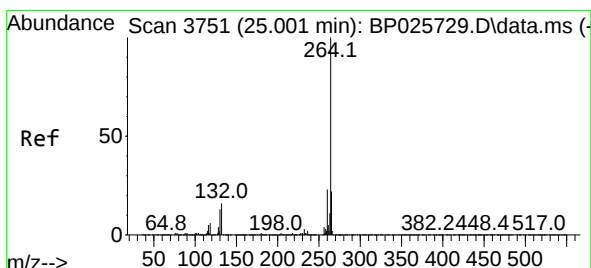
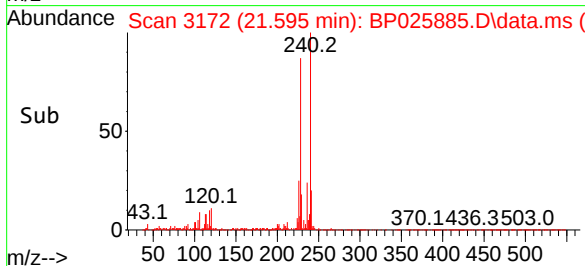
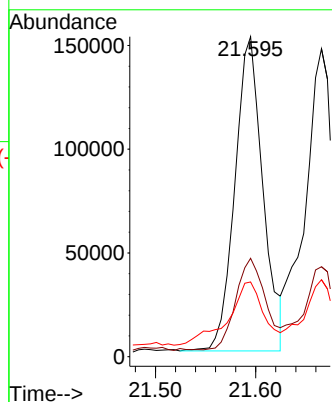
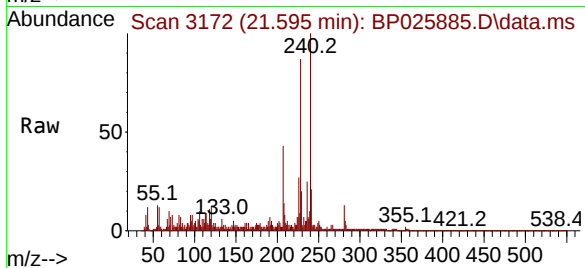
Tgt Ion:228 Resp: 294781

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.6

229 23.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.965 min Scan# 3745

Delta R.T. -0.035 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

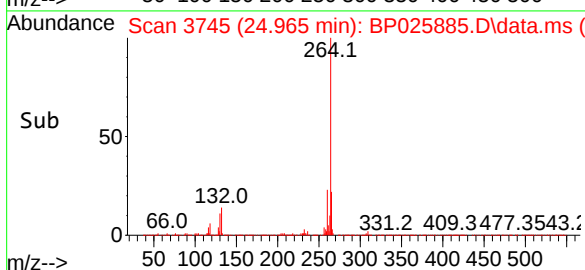
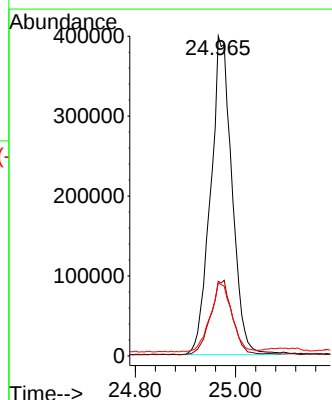
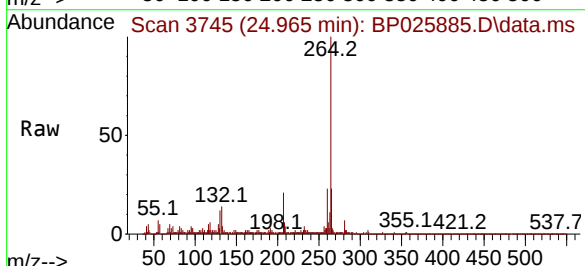
Tgt Ion:264 Resp: 1180858

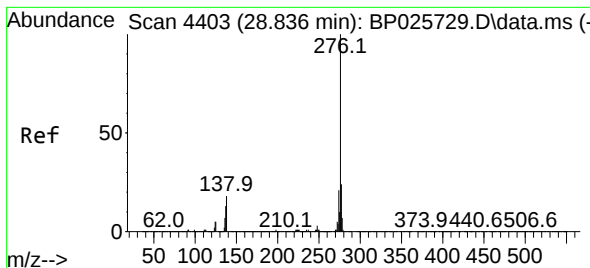
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 22.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.054 ng

RT: 28.818 min Scan# 4403

Delta R.T. -0.018 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

EO-03-092525

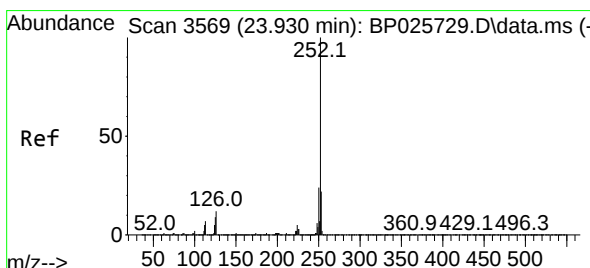
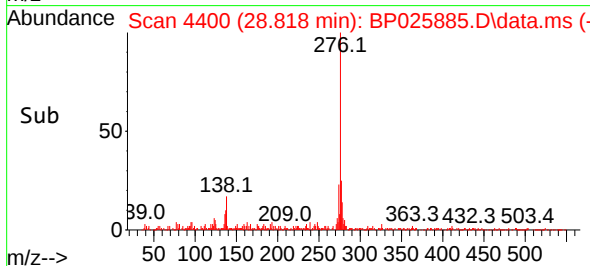
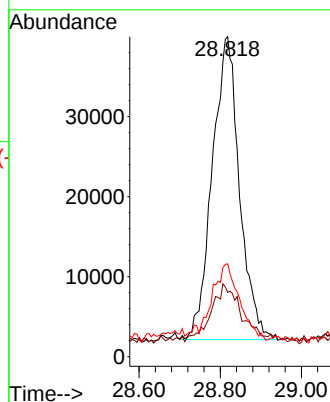
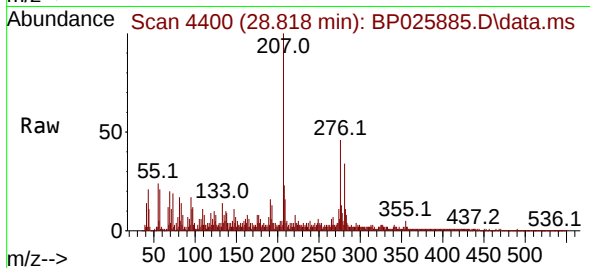
Tgt Ion:276 Resp: 176376

Ion Ratio Lower Upper

276 100

138 21.1 13.4 20.2#

277 25.3 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 4.793 ng

RT: 23.895 min Scan# 3563

Delta R.T. -0.035 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

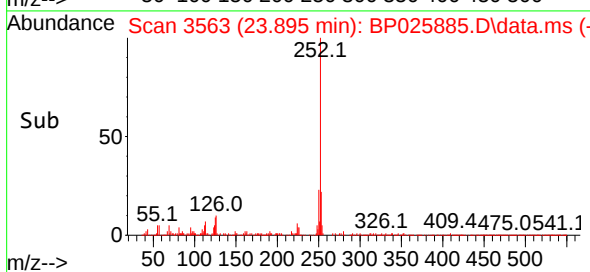
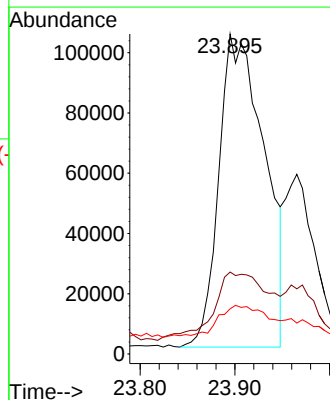
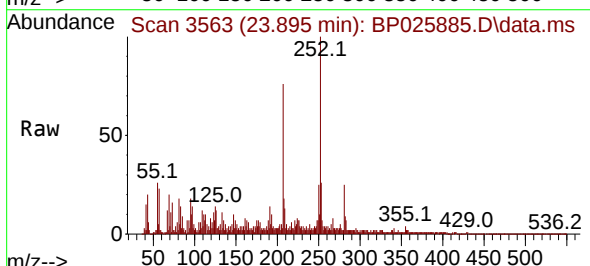
Tgt Ion:252 Resp: 346114

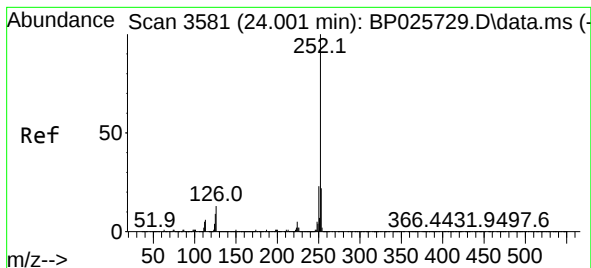
Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

125 14.1 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 4.697 ng

RT: 23.895 min Scan# 31

Delta R.T. -0.106 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

EO-03-092525

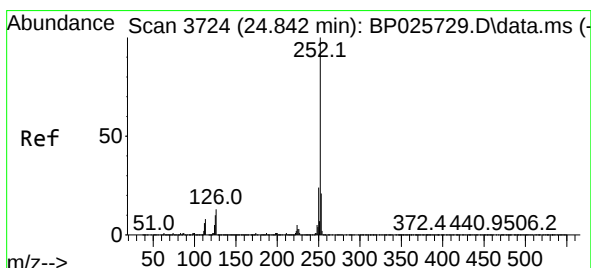
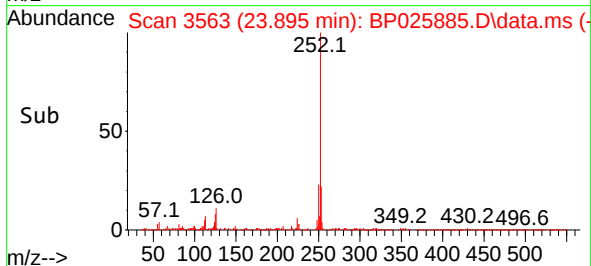
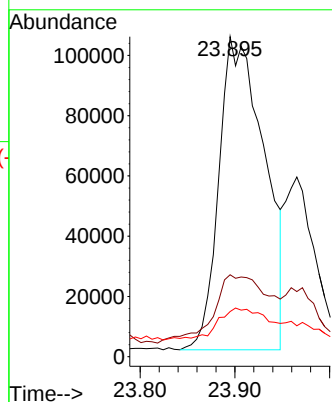
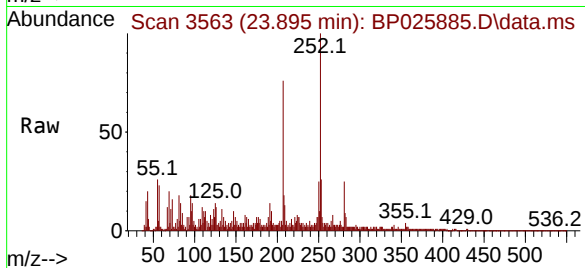
Tgt Ion:252 Resp: 346114

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 14.1 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 3.992 ng

RT: 24.812 min Scan# 3719

Delta R.T. -0.029 min

Lab File: BP025885.D

Acq: 29 Sep 2025 17:49

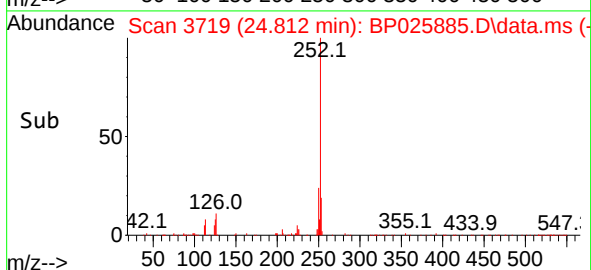
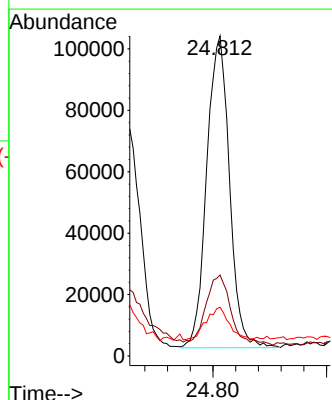
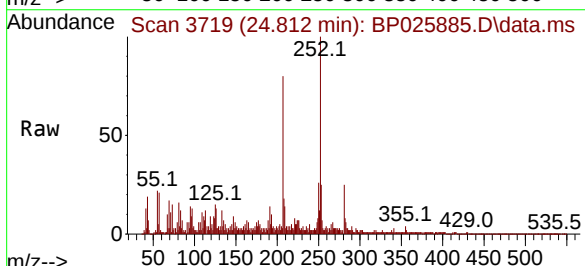
Tgt Ion:252 Resp: 282330

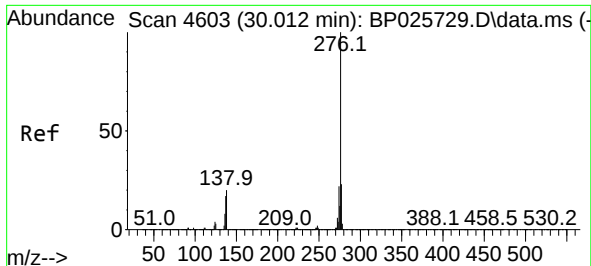
Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

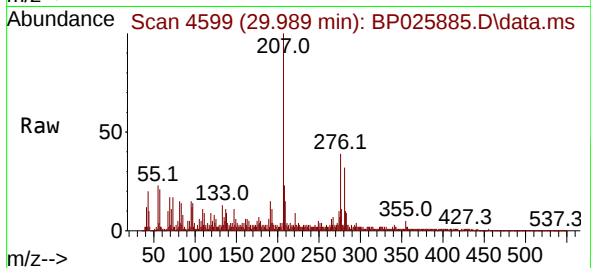
125 15.2 8.3 12.5#





#92
Benzo(g,h,i)perylene
Concen: 2.633 ng
RT: 29.989 min Scan# 41
Delta R.T. -0.024 min
Lab File: BP025885.D
Acq: 29 Sep 2025 17:49

Instrument :
BNA_P
ClientSampleId :
EO-03-092525



Tgt Ion:276 Resp: 181990
Ion Ratio Lower Upper
276 100
277 28.8 18.7 28.1#
138 23.8 16.0 24.0

