

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025333.D
 Acq On : 08 Aug 2025 15:11
 Operator : CG/JU
 Sample : Q2795-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-1

Quant Time: Aug 08 16:35:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

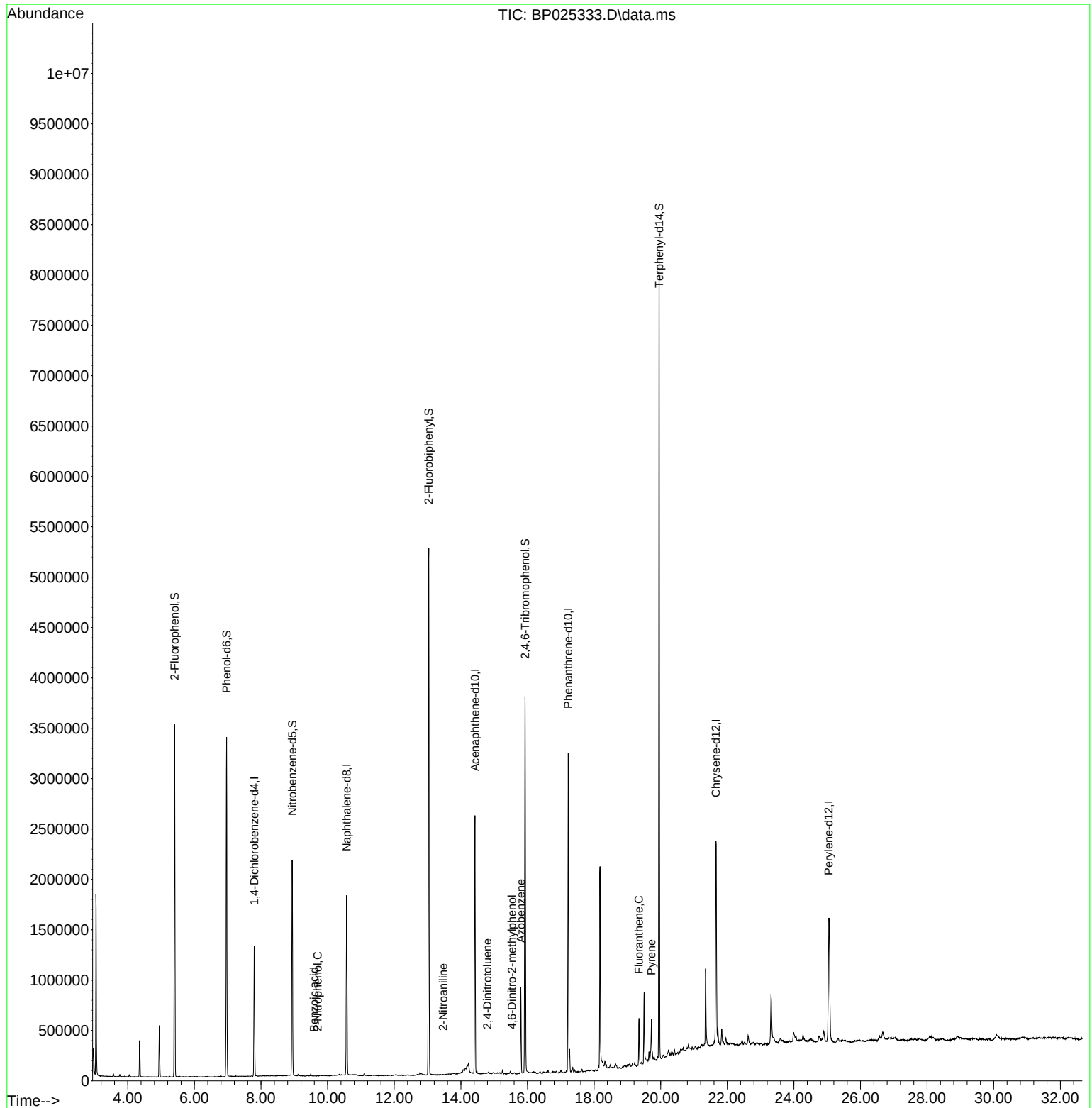
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	369826	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1487910	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	927347	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1790886	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1327269	20.000	ng	0.00
86) Perylene-d12	25.048	264	1321270	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1546270	67.247	ng	0.00
7) Phenol-d6	6.966	99	1914512	63.265	ng	0.00
23) Nitrobenzene-d5	8.937	82	1249655	46.530	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	766959	82.902	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	2816022	41.942	ng	0.00
79) Terphenyl-d14	19.954	244	3847927	54.758	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.696	139	37	3.641	ng	# 1
32) Benzoic acid	9.590	122	101	5.960	ng	87
48) 2-Nitroaniline	13.472	65	252	2.979	ng	# 53
57) 2,4-Dinitrotoluene	14.795	165	307	3.270	ng	# 58
63) Azobenzene	15.801	77	221384	3.497	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.536	198	51	4.842	ng	# 1
75) Fluoranthene	19.348	202	252657	2.225	ng	99
78) Pyrene	19.719	202	230983	2.617	ng	99

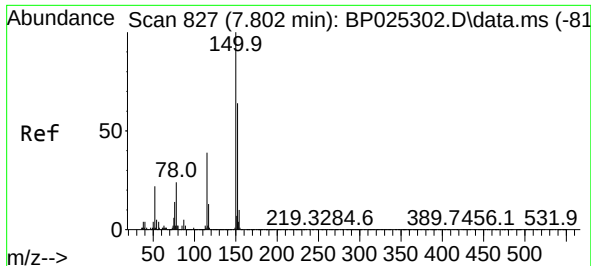
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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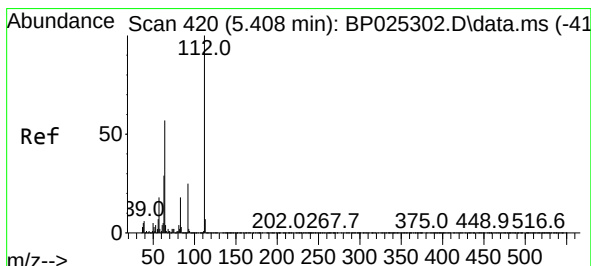
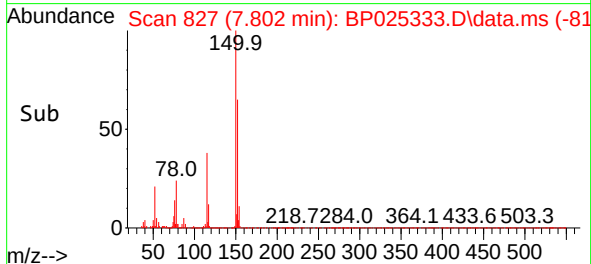
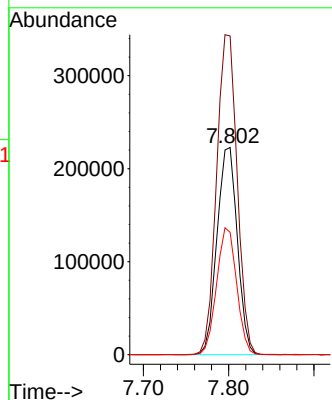
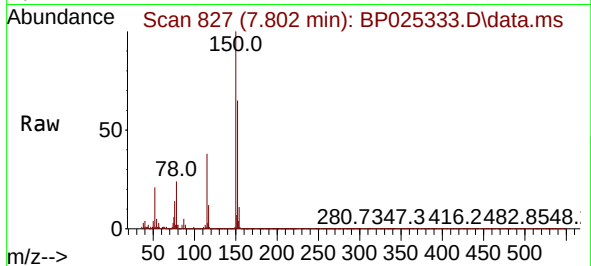




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.802 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025333.D
 Acq: 08 Aug 2025 15:11

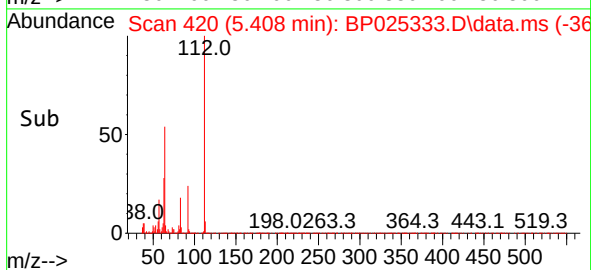
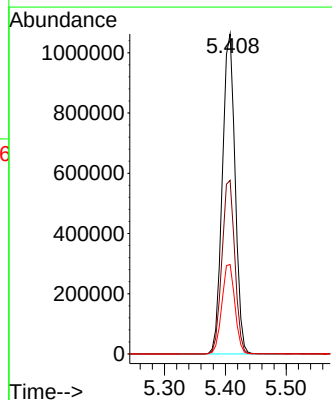
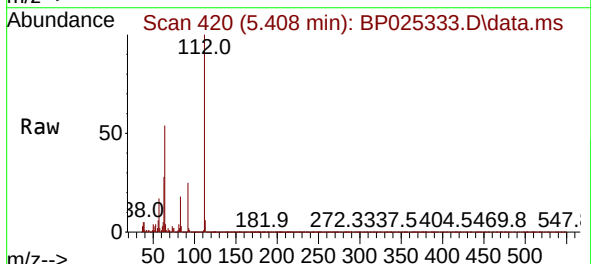
Instrument :
 BNA_P
 ClientSampleId :
 COMP-1

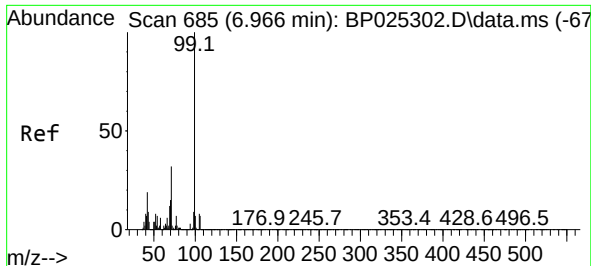
Tgt Ion:152 Resp: 369826
 Ion Ratio Lower Upper
 152 100
 150 153.7 125.1 187.7
 115 59.1 48.4 72.6



#5
 2-Fluorophenol
 Concen: 67.247 ng
 RT: 5.408 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: BP025333.D
 Acq: 08 Aug 2025 15:11

Tgt Ion:112 Resp: 1546270
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.3 67.9
 63 28.0 23.0 34.6

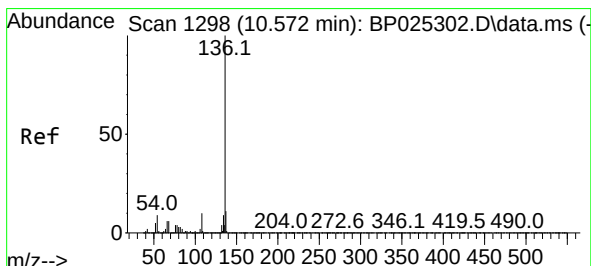
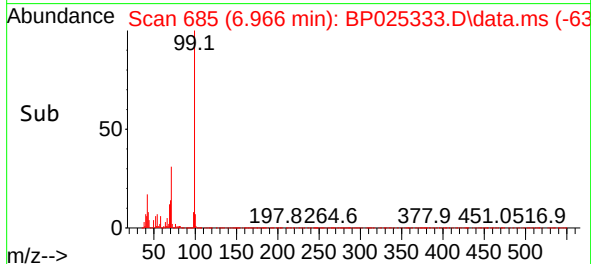
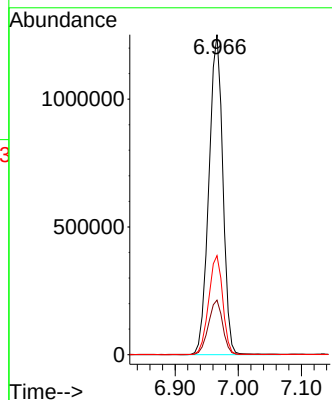
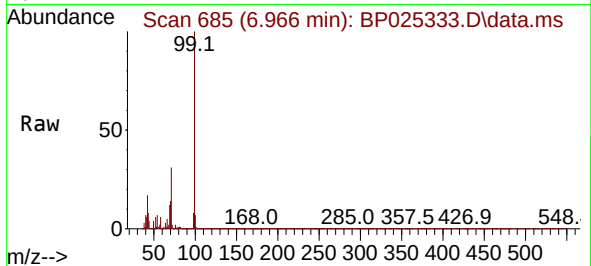




#7
Phenol-d6
Concen: 63.265 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

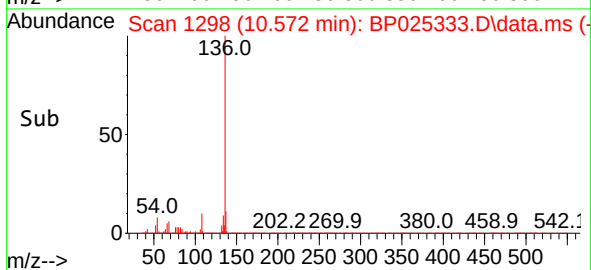
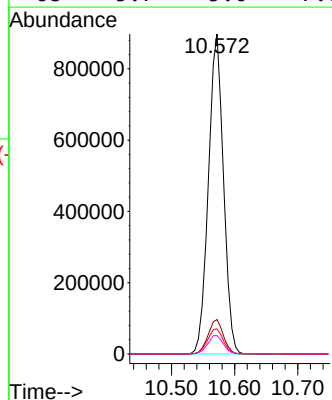
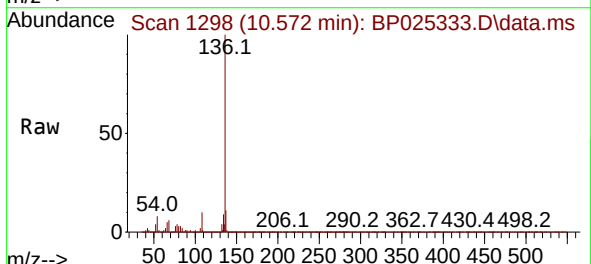
Instrument :
BNA_P
ClientSampleId :
COMP-1

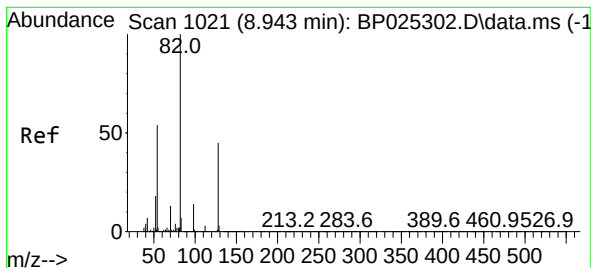
Tgt Ion: 99 Resp: 1914512
Ion Ratio Lower Upper
99 100
42 17.0 15.0 22.6
71 30.9 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

Tgt Ion: 136 Resp: 1487910
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.9 7.0 10.6
68 5.7 5.0 7.6





#23

Nitrobenzene-d5

Concen: 46.530 ng

RT: 8.937 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

Instrument :

BNA_P

ClientSampleId :

COMP-1

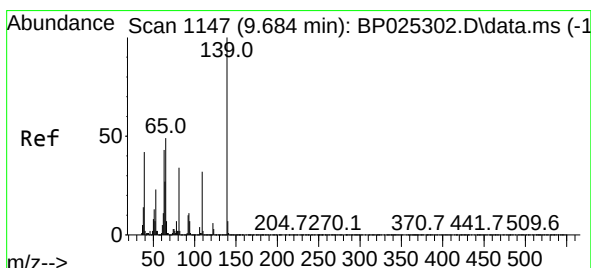
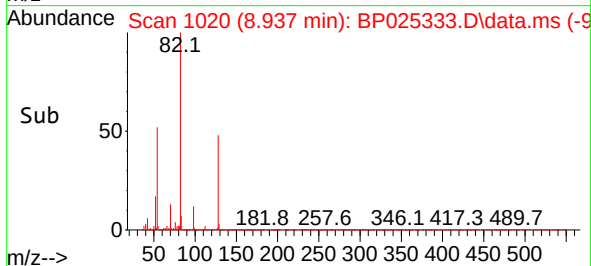
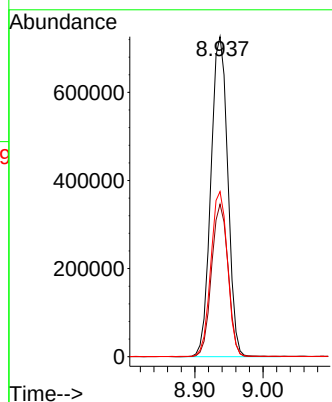
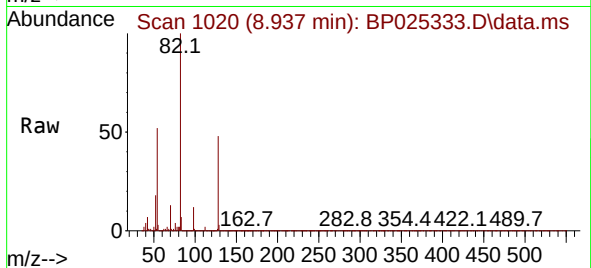
Tgt Ion: 82 Resp: 1249655

Ion Ratio Lower Upper

82 100

128 47.6 35.4 53.2

54 51.6 42.9 64.3



#26

2-Nitrophenol

Concen: 3.641 ng

RT: 9.696 min Scan# 1149

Delta R.T. 0.012 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

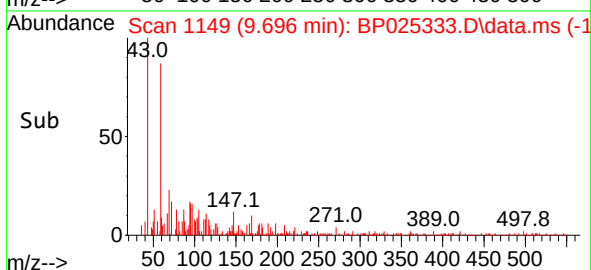
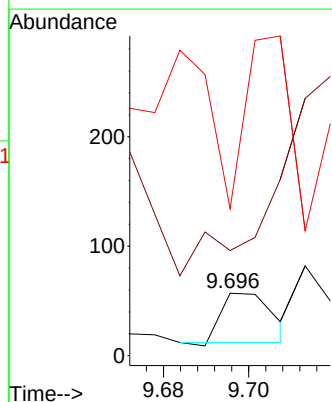
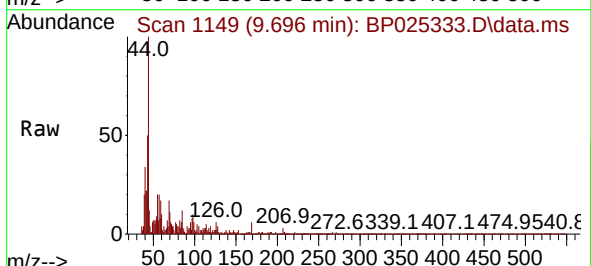
Tgt Ion:139 Resp: 37

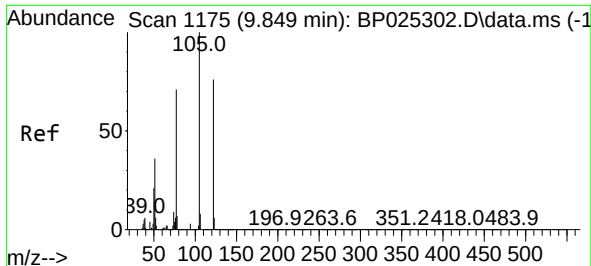
Ion Ratio Lower Upper

139 100

109 168.4 25.2 37.8#

65 235.1 39.6 59.4#

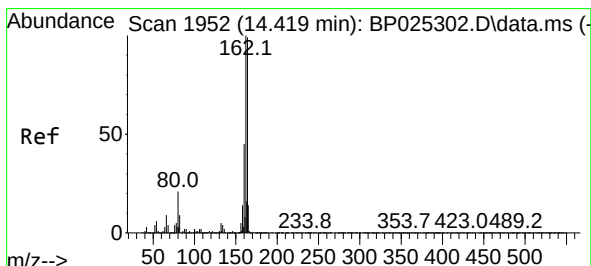
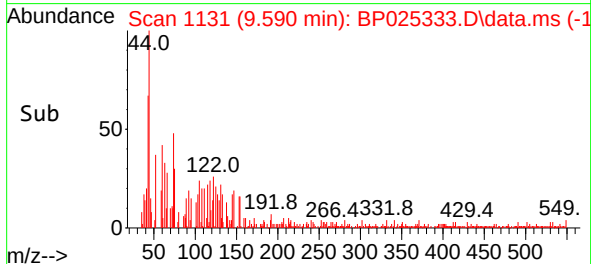
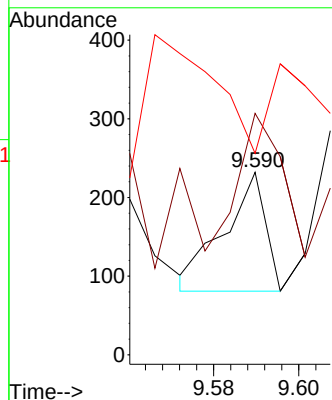
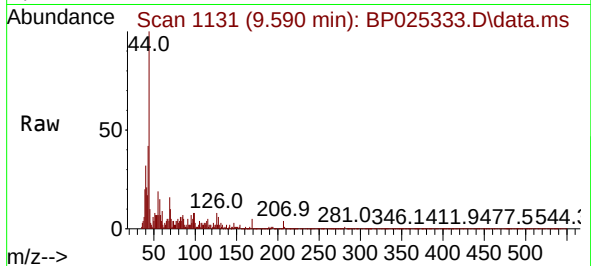




#32
Benzoic acid
Concen: 5.960 ng
RT: 9.590 min Scan# 1175
Delta R.T. -0.259 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

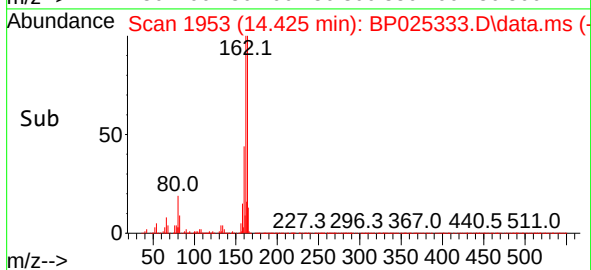
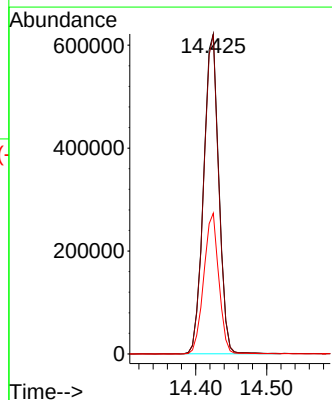
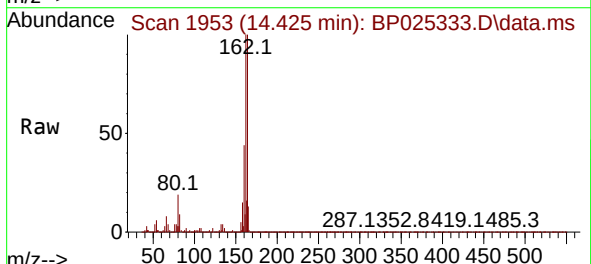
Instrument :
BNA_P
ClientSampleId :
COMP-1

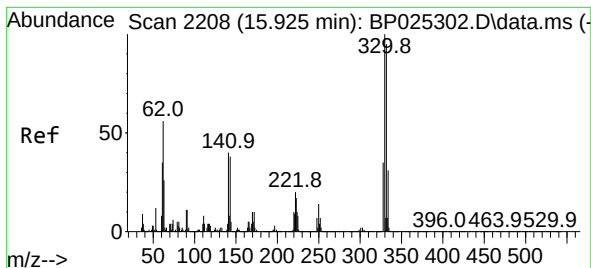
Tgt Ion:	122	Resp:	101
Ion	Ratio	Lower	Upper
122	100		
105	132.3	104.0	144.0
77	110.3	71.8	111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

Tgt Ion:	164	Resp:	927347
Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	120.8
160	44.0	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 82.902 ng

RT: 15.931 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

Instrument :

BNA_P

ClientSampleId :

COMP-1

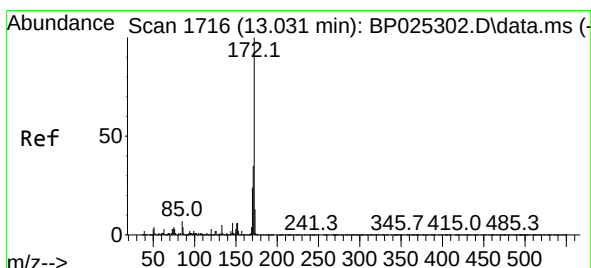
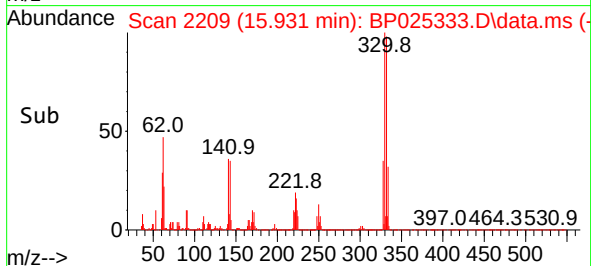
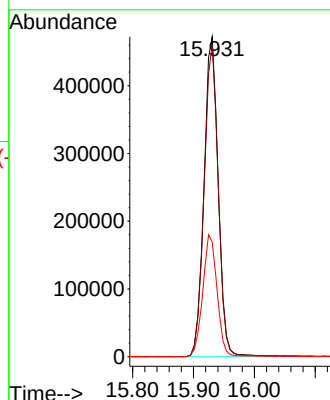
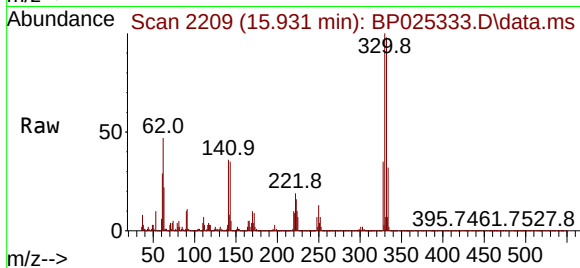
Tgt Ion:330 Resp: 766959

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 38.4 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 41.942 ng

RT: 13.037 min Scan# 1717

Delta R.T. 0.006 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

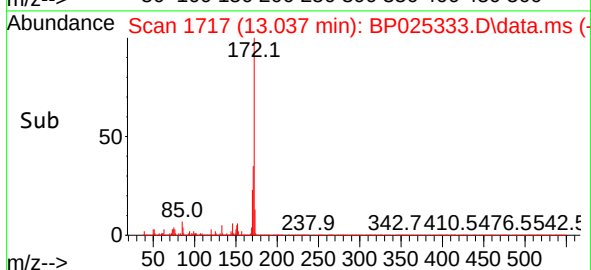
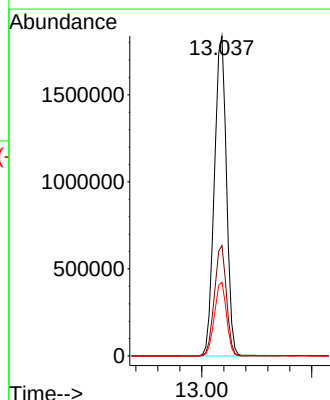
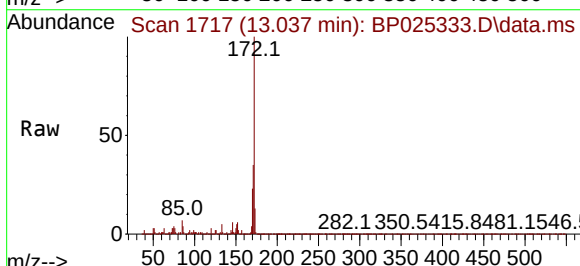
Tgt Ion:172 Resp: 2816022

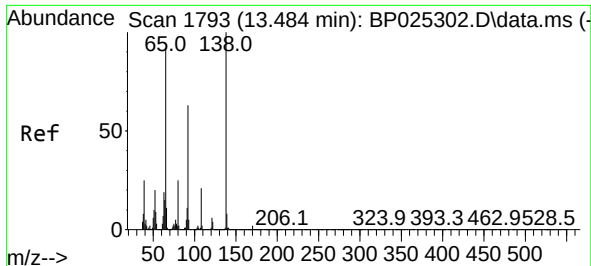
Ion Ratio Lower Upper

172 100

171 34.5 27.9 41.9

170 23.0 18.9 28.3

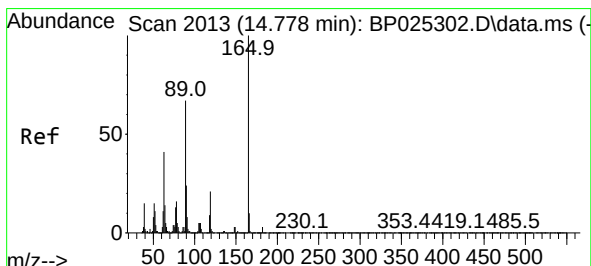
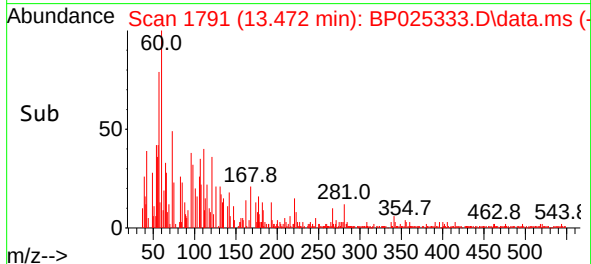
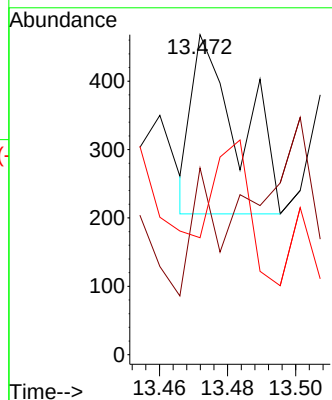
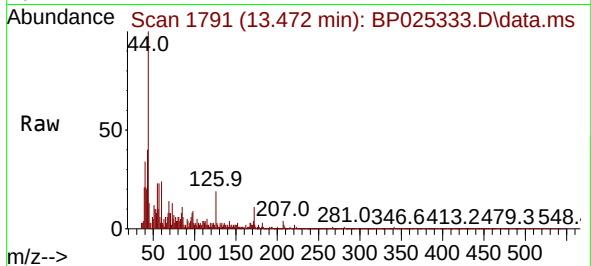




#48
2-Nitroaniline
Concen: 2.979 ng
RT: 13.472 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

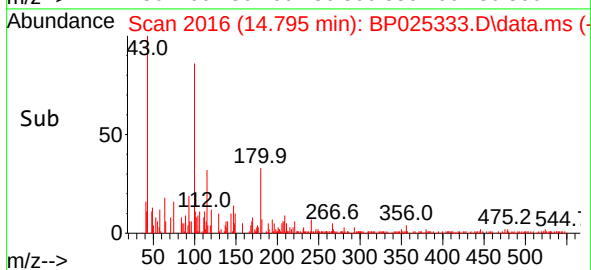
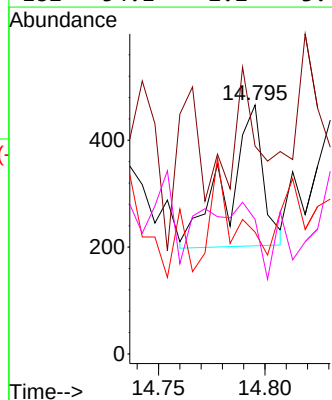
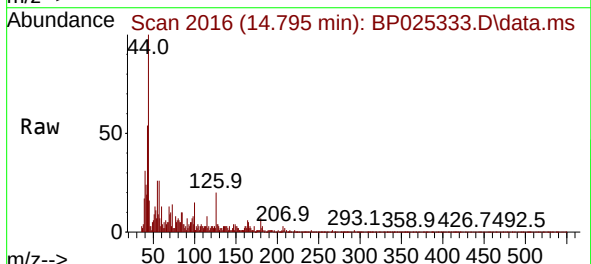
Instrument :
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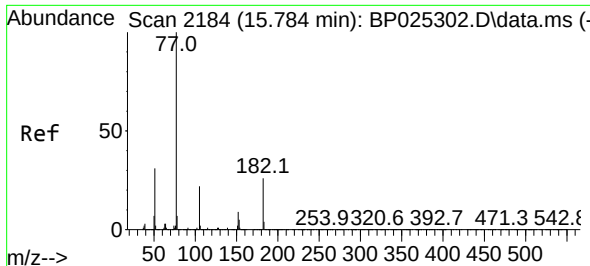
Tgt Ion: 65 Resp: 252
Ion Ratio Lower Upper
65 100
92 58.3 54.4 81.6
138 36.5 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.270 ng
RT: 14.795 min Scan# 2016
Delta R.T. 0.017 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

Tgt Ion: 165 Resp: 307
Ion Ratio Lower Upper
165 100
63 83.5 33.2 49.8#
89 48.9 53.5 80.3#
182 54.1 2.2 3.4#

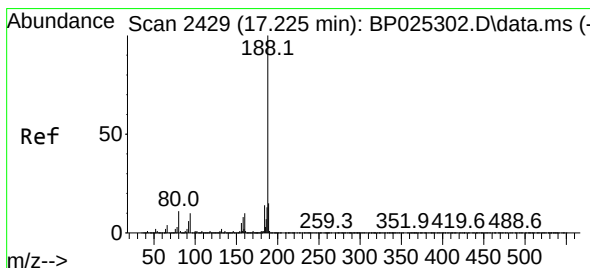
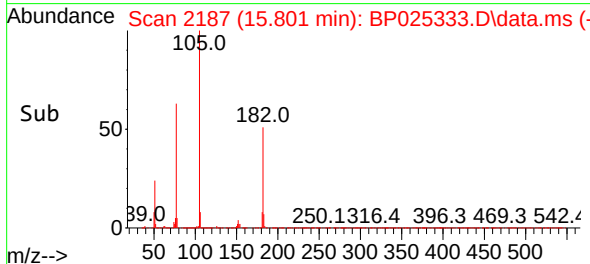
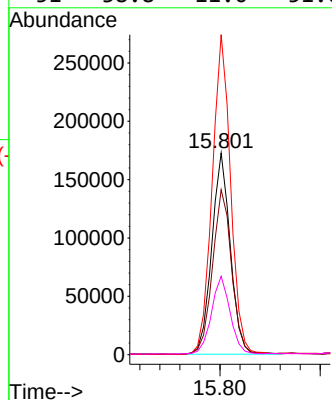
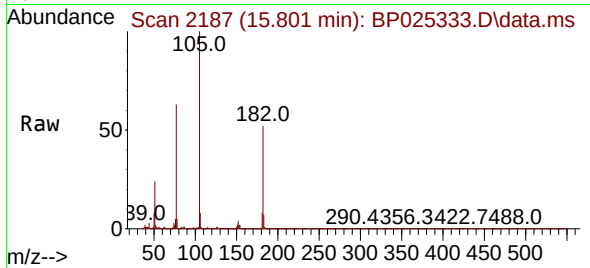




#63
Azobenzene
Concen: 3.497 ng
RT: 15.801 min Scan# 2184
Delta R.T. 0.017 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

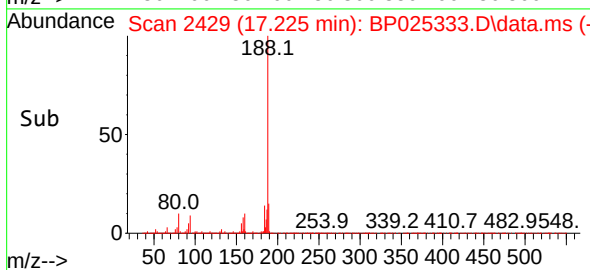
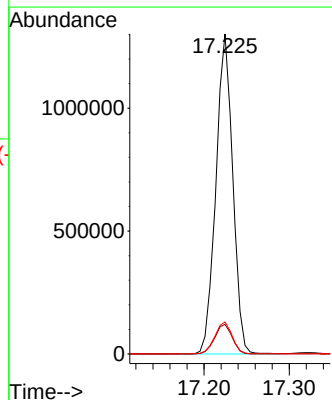
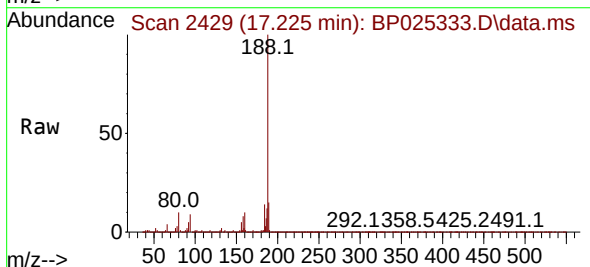
Instrument :
BNA_P
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COMP-1

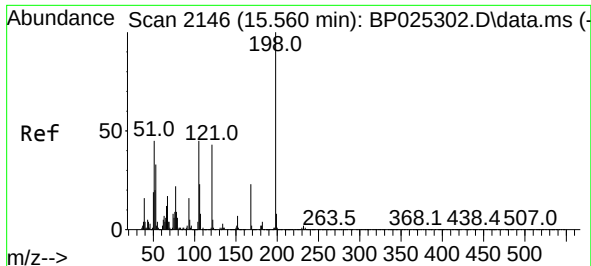
Tgt Ion: 77 Resp: 221384
Ion Ratio Lower Upper
77 100
182 81.7 6.0 46.0#
105 158.6 2.1 42.1#
51 38.8 11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

Tgt Ion: 188 Resp: 1790886
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 10.0 8.5 12.7

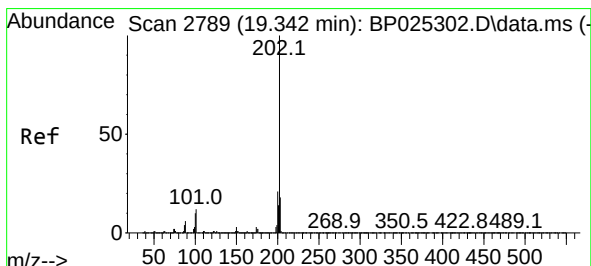
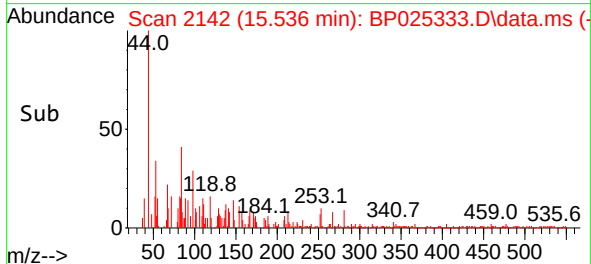
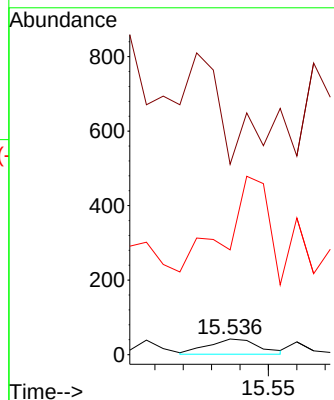
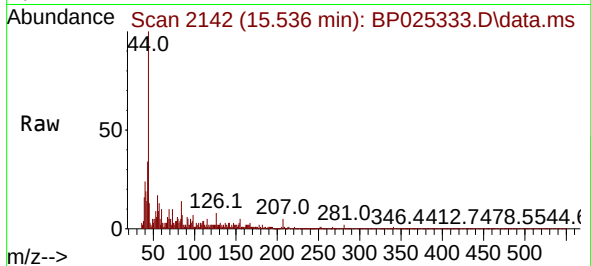




#65
4,6-Dinitro-2-methylphenol
Concen: 4.842 ng
RT: 15.536 min Scan# 2146
Delta R.T. -0.024 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

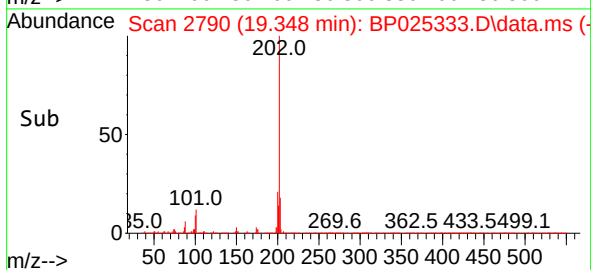
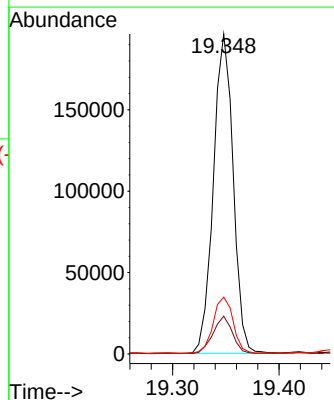
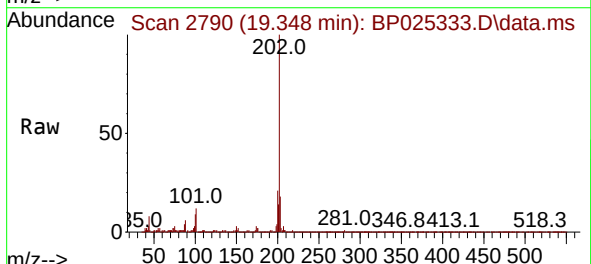
Instrument :
BNA_P
ClientSampleId :
COMP-1

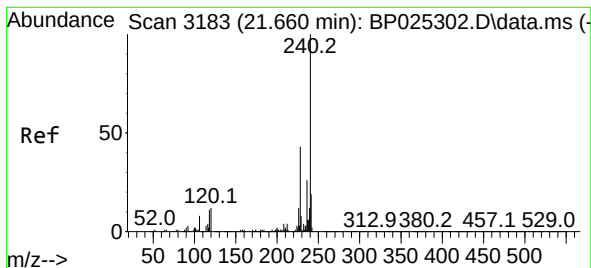
Tgt Ion:198 Resp: 51
Ion Ratio Lower Upper
198 100
51 1216.7 26.7 66.7#
105 669.0 25.6 65.6#



#75
Fluoranthene
Concen: 2.225 ng
RT: 19.348 min Scan# 2790
Delta R.T. 0.006 min
Lab File: BP025333.D
Acq: 08 Aug 2025 15:11

Tgt Ion:202 Resp: 252657
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.5
203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.660 min Scan# 3183

Delta R.T. -0.000 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

Instrument :

BNA_P

ClientSampleId :

COMP-1

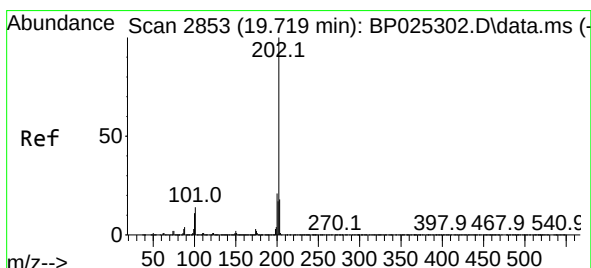
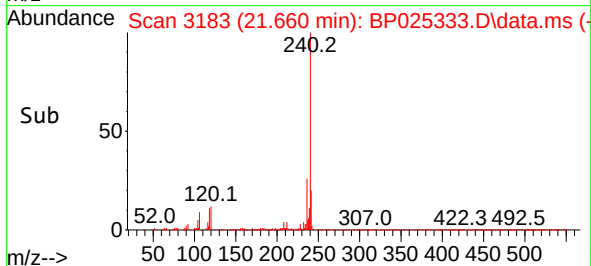
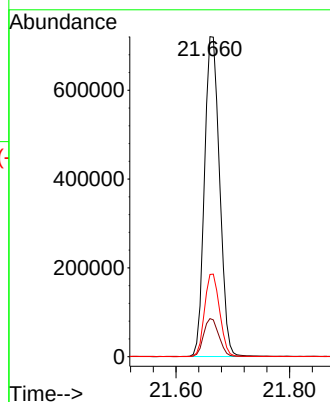
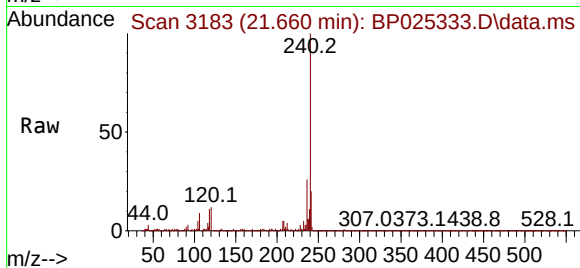
Tgt Ion:240 Resp: 1327269

Ion Ratio Lower Upper

240 100

120 11.9 9.6 14.4

236 25.7 20.4 30.6



#78

Pyrene

Concen: 2.617 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

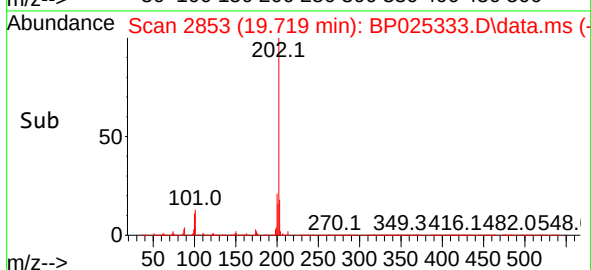
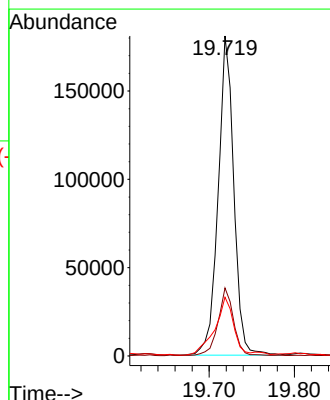
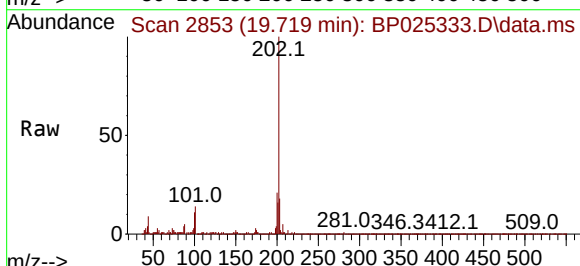
Tgt Ion:202 Resp: 230983

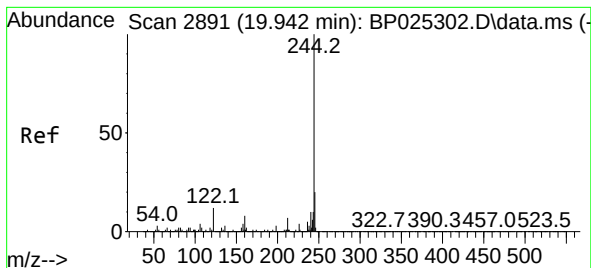
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 54.758 ng

RT: 19.954 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

Instrument :

BNA_P

ClientSampleId :

COMP-1

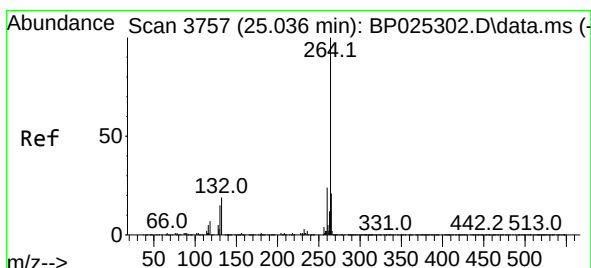
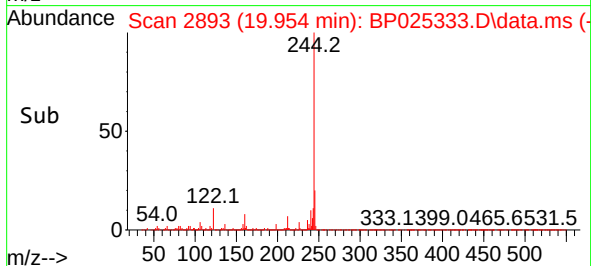
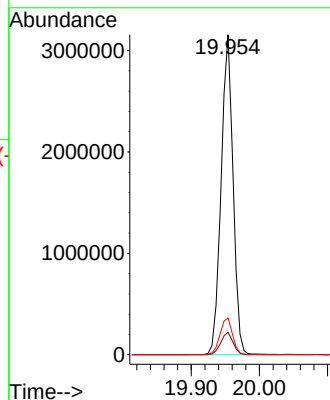
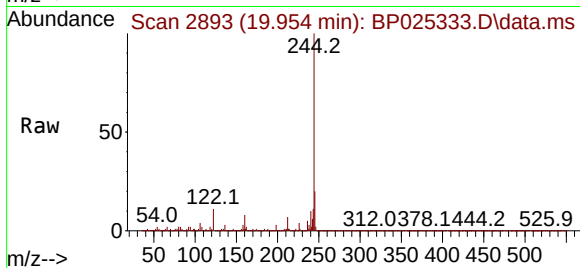
Tgt Ion:244 Resp: 3847927

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 11.5 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.048 min Scan# 3759

Delta R.T. 0.012 min

Lab File: BP025333.D

Acq: 08 Aug 2025 15:11

Tgt Ion:264 Resp: 1321270

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.0 17.1 25.7

