

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042225\
 Data File : BP024378.D
 Acq On : 22 Apr 2025 14:41
 Operator : RC/JU
 Sample : Q1842-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-714-COMP-10

Quant Time: Apr 22 15:22:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

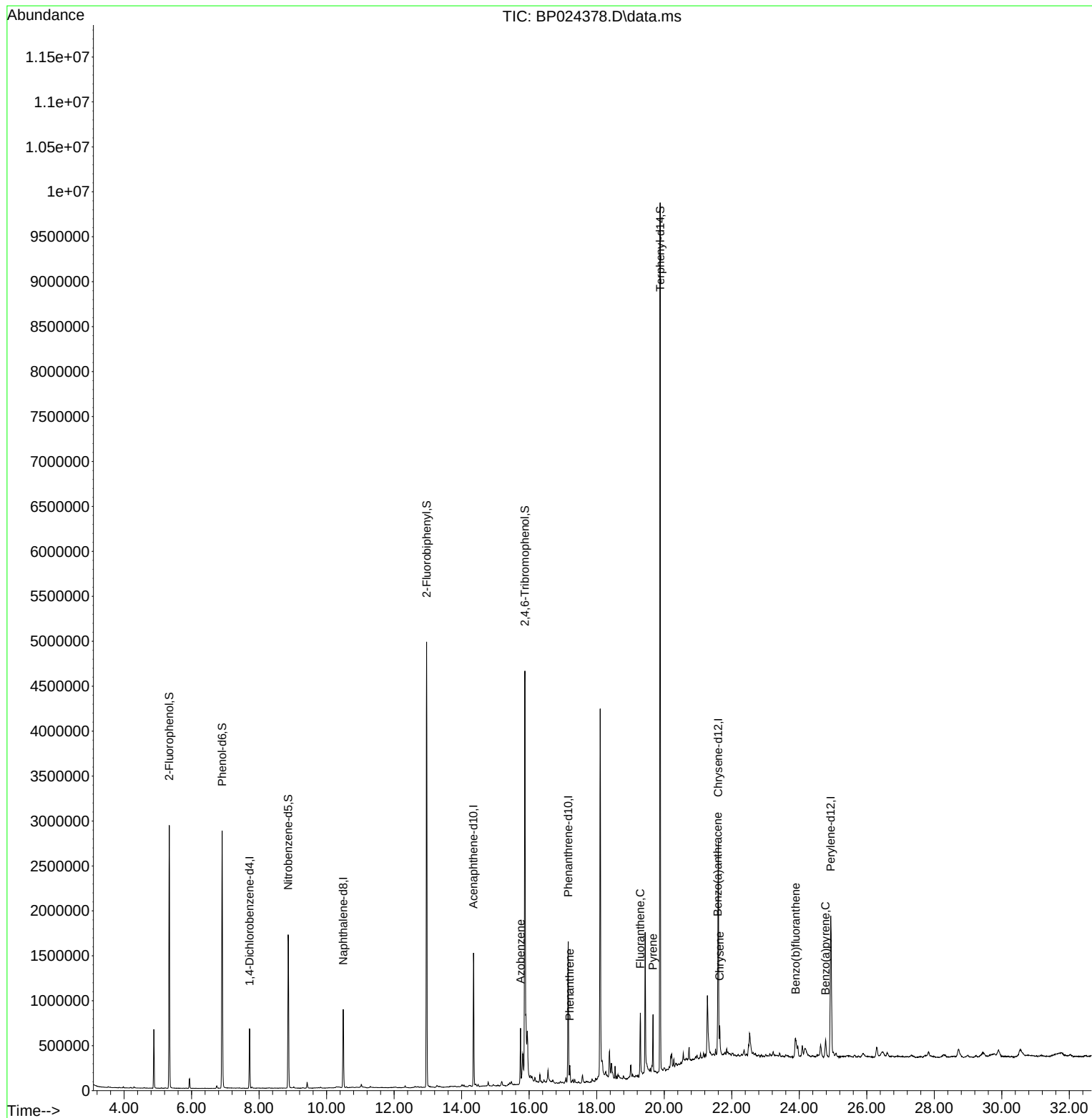
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	180162	20.000	ng	0.00
21) Naphthalene-d8	10.493	136	731386	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	473504	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	985354	20.000	ng	0.01
76) Chrysene-d12	21.604	240	1230360	20.000	ng	0.01
86) Perylene-d12	24.933	264	1518328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1266556	116.239	ng	0.00
7) Phenol-d6	6.905	99	1737387	116.448	ng	0.00
23) Nitrobenzene-d5	8.863	82	997497	77.768	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	925408	141.258	ng	0.01
45) 2-Fluorobiphenyl	12.963	172	2388627	77.238	ng	0.00
79) Terphenyl-d14	19.880	244	4567199	74.822	ng	0.00
Target Compounds						Qvalue
63) Azobenzene	15.745	77	158830	4.870	ng	# 1
71) Phenanthrene	17.204	178	125818	2.341	ng	99
75) Fluoranthene	19.292	202	357074	5.585	ng	99
78) Pyrene	19.669	202	327818	4.193	ng	98
81) Benzo(a)anthracene	21.586	228	176622	2.310	ng	99
83) Chrysene	21.645	228	182444	2.490	ng	98
88) Benzo(b)fluoranthene	23.892	252	289143	3.177	ng	98
90) Benzo(a)pyrene	24.780	252	190753	2.430	ng	99

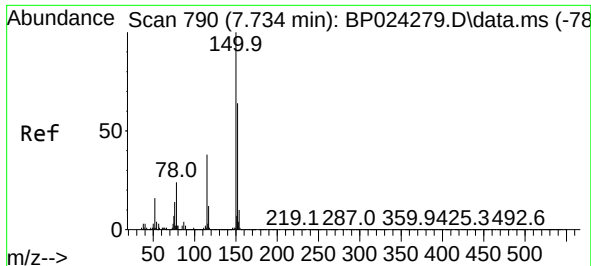
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
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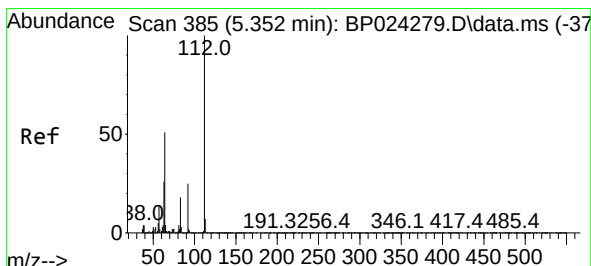
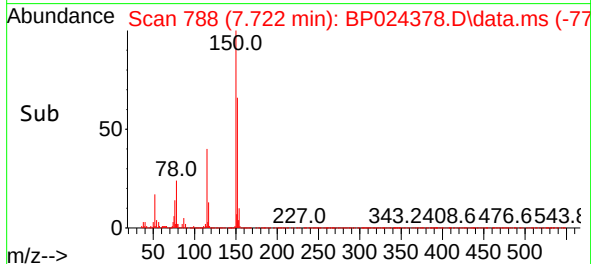
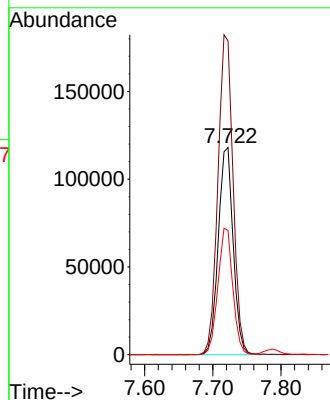
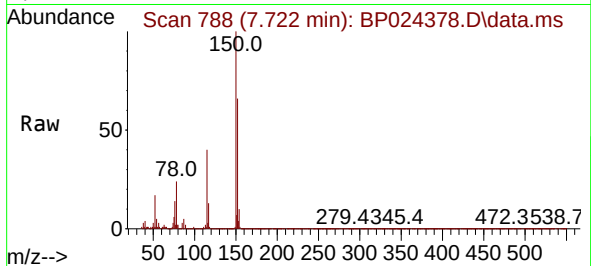




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

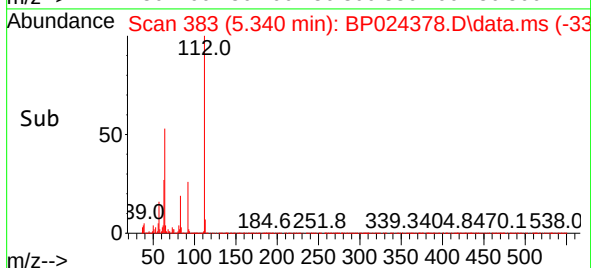
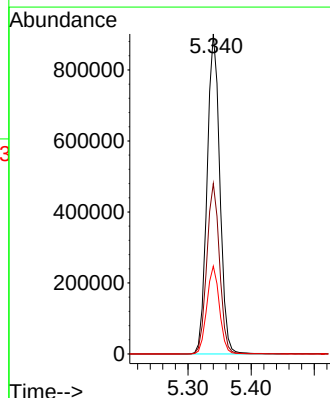
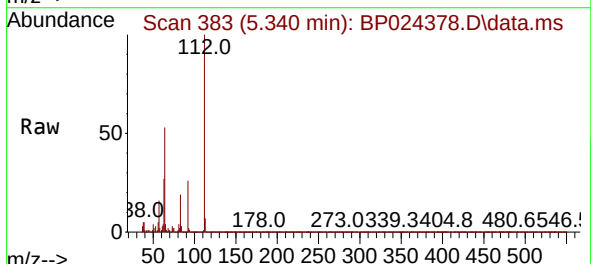
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-10

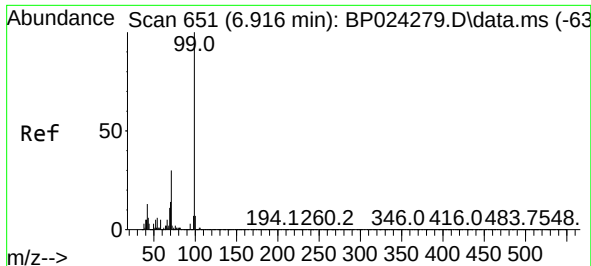
Tgt Ion:152 Resp: 180162
Ion Ratio Lower Upper
152 100
150 151.4 124.9 187.3
115 59.9 47.7 71.5



#5
2-Fluorophenol
Concen: 116.239 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Tgt Ion:112 Resp: 1266556
Ion Ratio Lower Upper
112 100
64 53.2 41.1 61.7
63 27.4 20.6 30.8



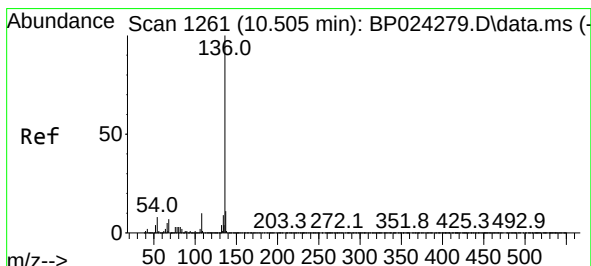
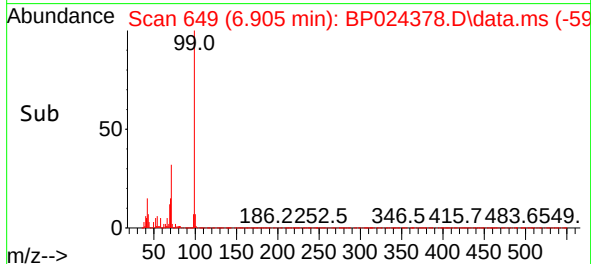
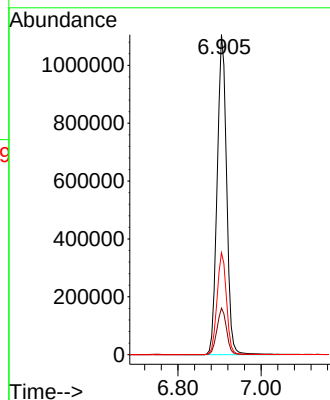
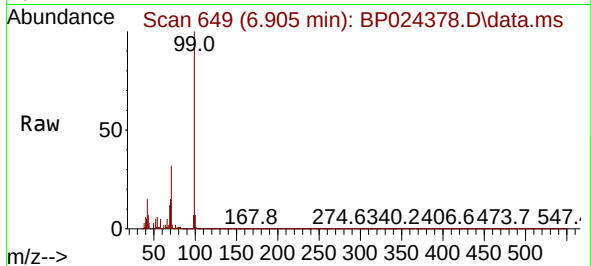


#7
Phenol-d6
Concen: 116.448 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-10

Tgt Ion: 99 Resp: 1737387

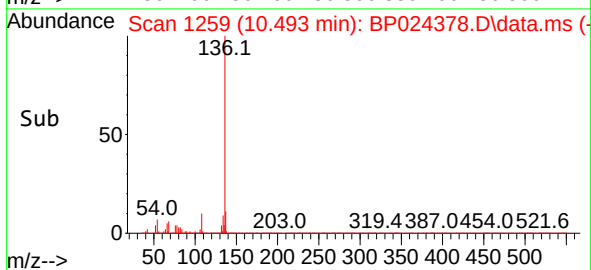
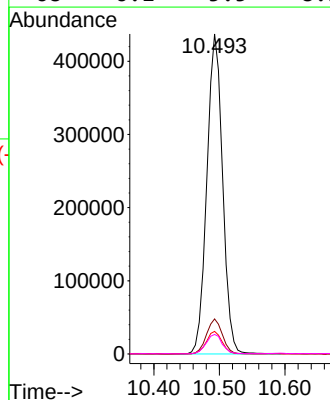
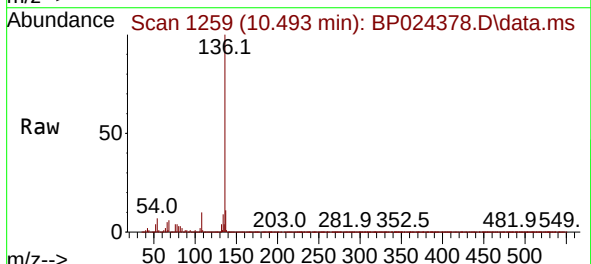
Ion	Ratio	Lower	Upper
99	100		
42	14.5	10.6	16.0
71	31.9	23.7	35.5

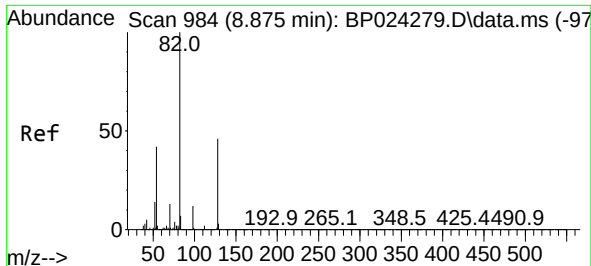


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Tgt Ion: 136 Resp: 731386

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.1	6.0	9.0
68	6.1	5.5	8.3

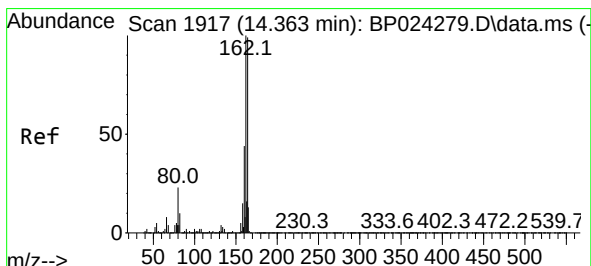
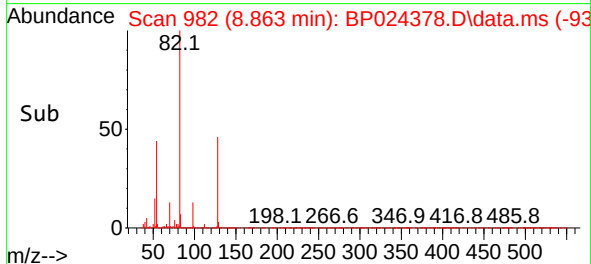
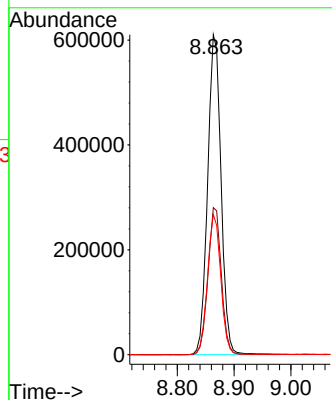
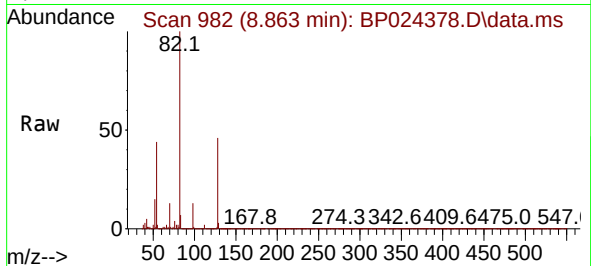




#23
Nitrobenzene-d5
Concen: 77.768 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

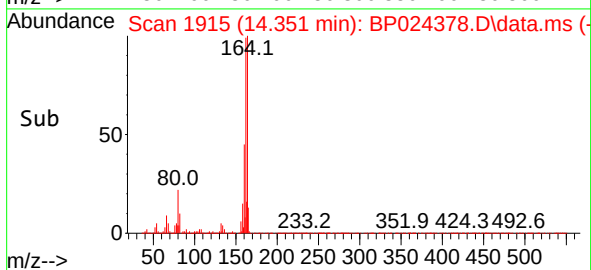
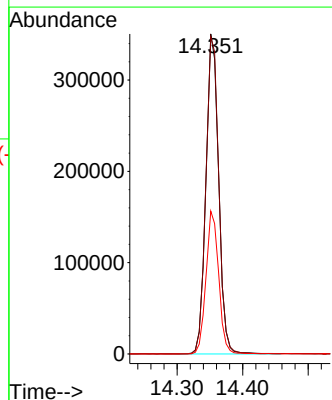
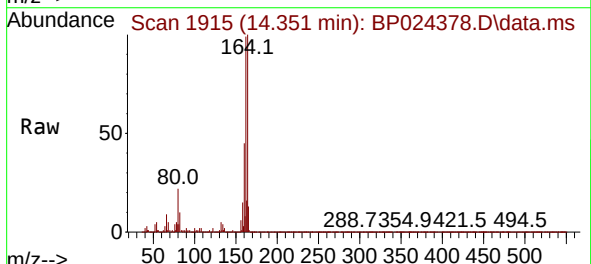
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-10

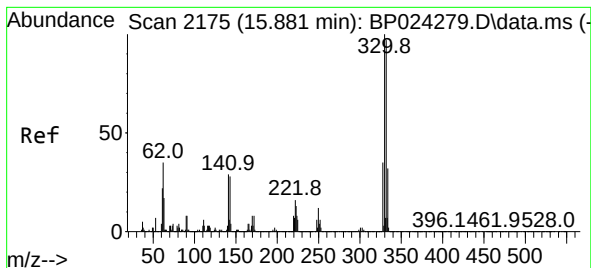
Tgt Ion: 82 Resp: 997497
Ion Ratio Lower Upper
82 100
128 46.0 36.5 54.7
54 43.8 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Tgt Ion: 164 Resp: 473504
Ion Ratio Lower Upper
164 100
162 99.2 80.6 120.8
160 44.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 141.258 ng

RT: 15.875 min Scan# 2175

Delta R.T. 0.012 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-10

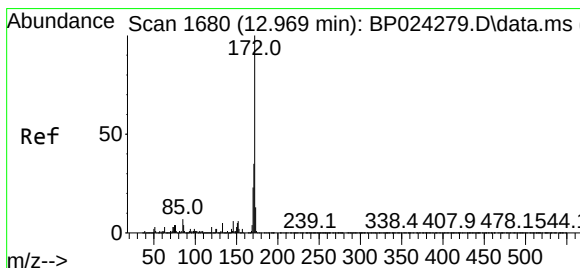
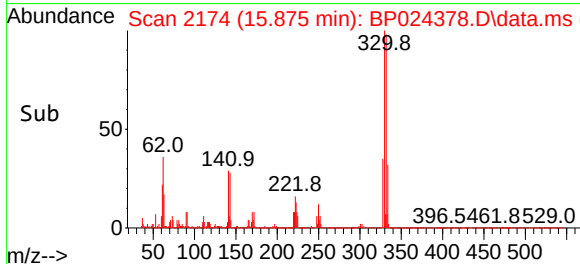
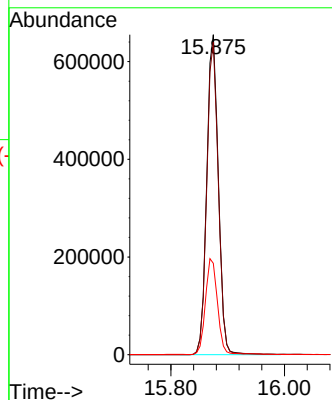
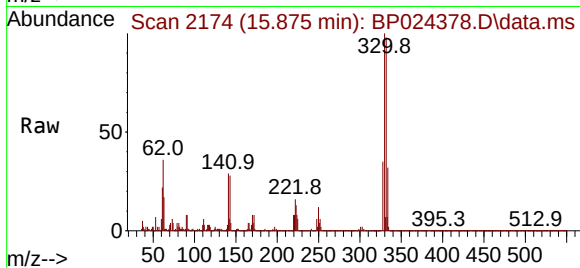
Tgt Ion:330 Resp: 925408

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 30.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 77.238 ng

RT: 12.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

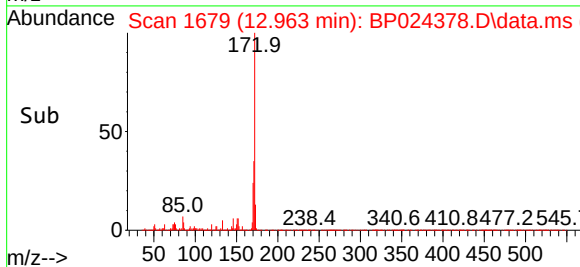
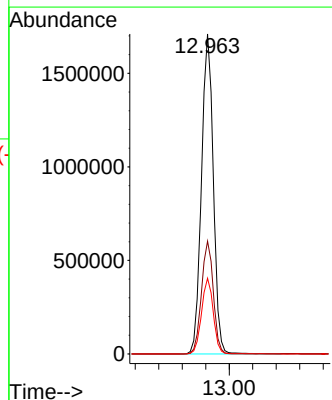
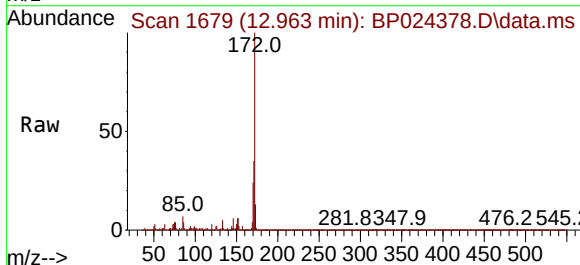
Tgt Ion:172 Resp: 2388627

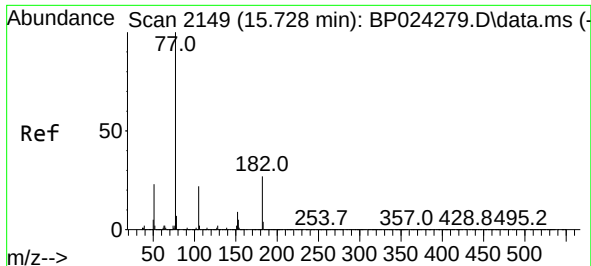
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.6 18.6 27.8

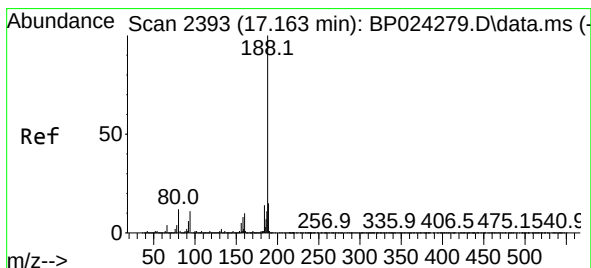
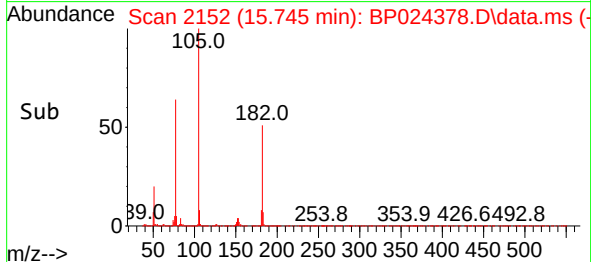
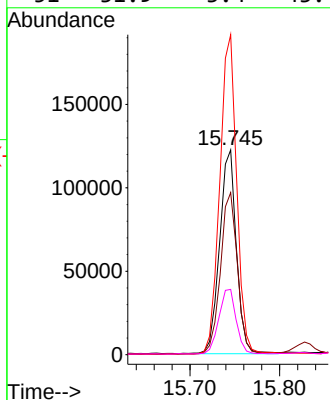
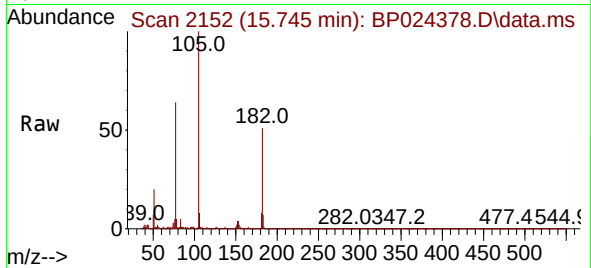




#63
Azobenzene
Concen: 4.870 ng
RT: 15.745 min Scan# 2149
Delta R.T. 0.035 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

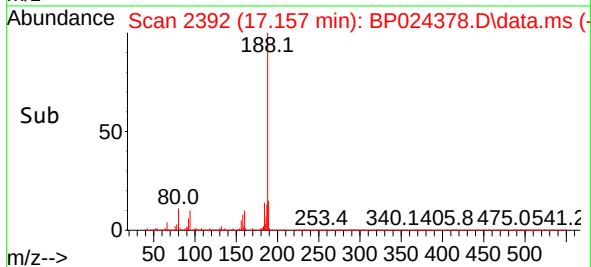
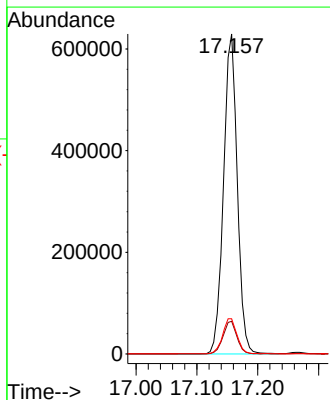
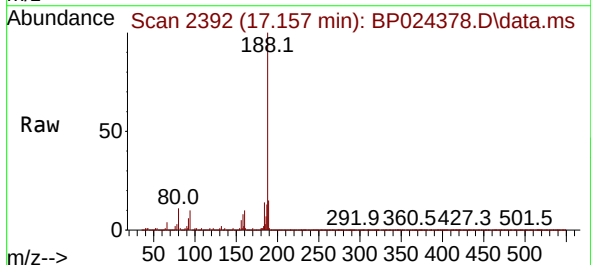
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-10

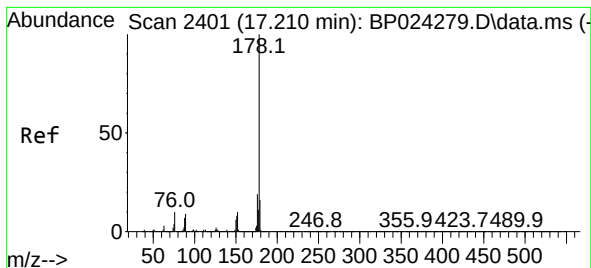
Tgt Ion: 77	Resp: 158830
Ion Ratio	Lower Upper
77 100	
182 79.2	7.3 47.3#
105 156.3	2.3 42.3#
51 31.9	3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. 0.012 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Tgt Ion: 188	Resp: 985354
Ion Ratio	Lower Upper
188 100	
94 10.2	8.6 13.0
80 11.0	9.8 14.6





#71

Phenanthrene

Concen: 2.341 ng

RT: 17.204 min Scan# 2400

Delta R.T. 0.012 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-10

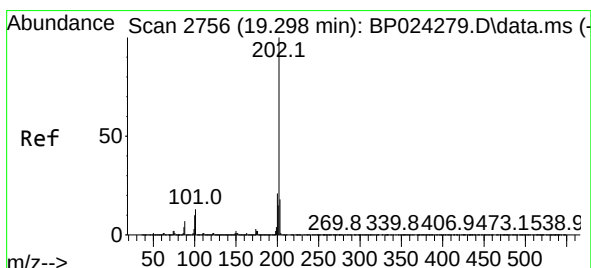
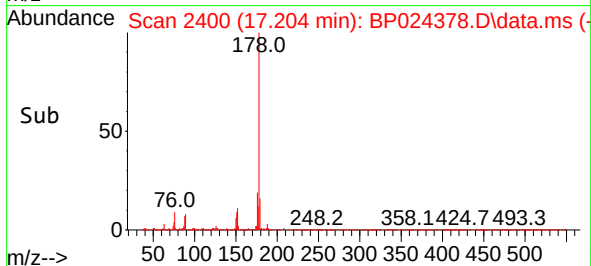
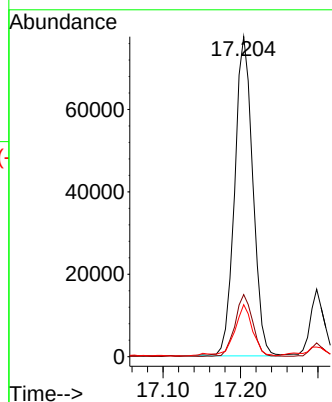
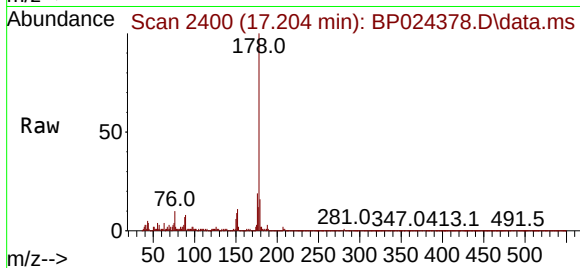
Tgt Ion:178 Resp: 125818

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 16.3 12.5 18.7



#75

Fluoranthene

Concen: 5.585 ng

RT: 19.292 min Scan# 2755

Delta R.T. 0.012 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

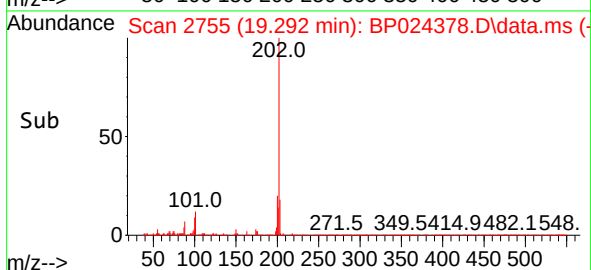
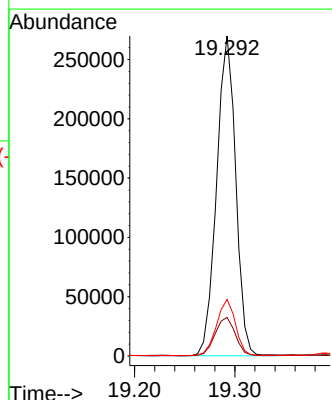
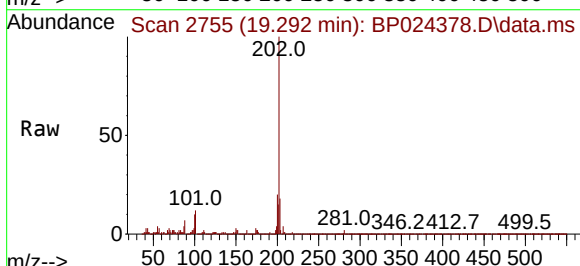
Tgt Ion:202 Resp: 357074

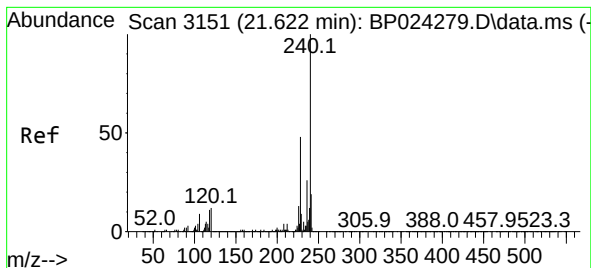
Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.604 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-10

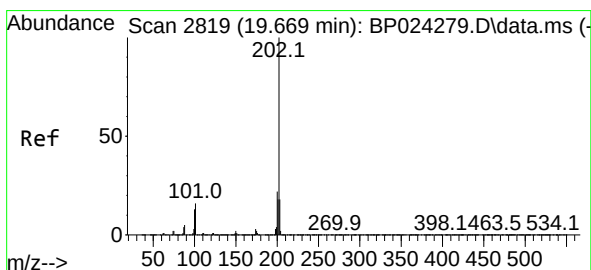
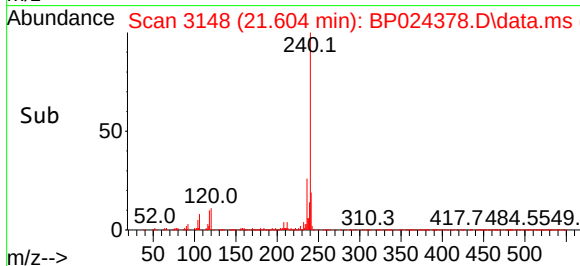
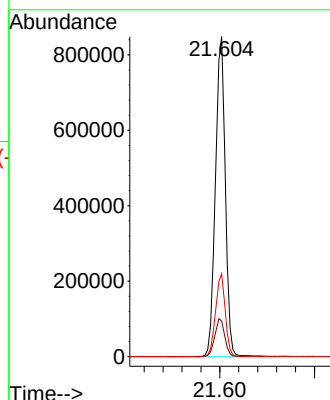
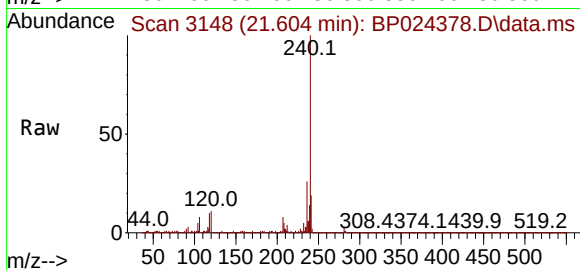
Tgt Ion:240 Resp: 1230360

Ion Ratio Lower Upper

240 100

120 11.2 9.8 14.8

236 25.9 20.9 31.3



#78

Pyrene

Concen: 4.193 ng

RT: 19.669 min Scan# 2819

Delta R.T. 0.018 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

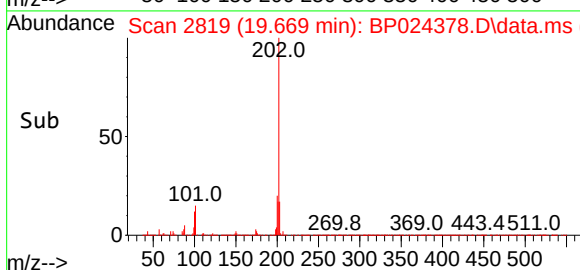
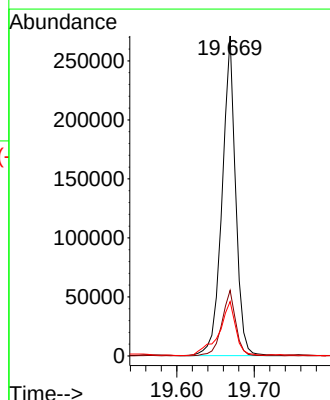
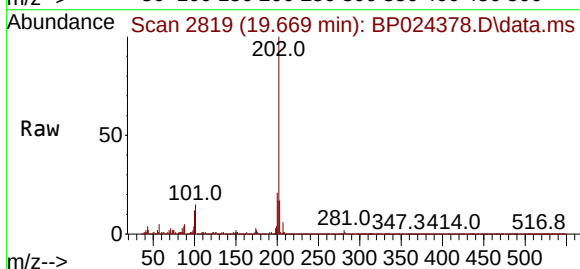
Tgt Ion:202 Resp: 327818

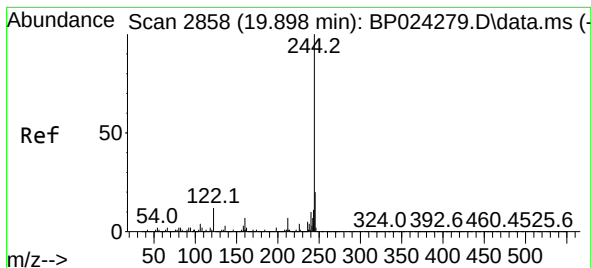
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 17.0 14.4 21.6





#79

Terphenyl-d14

Concen: 74.822 ng

RT: 19.880 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-10

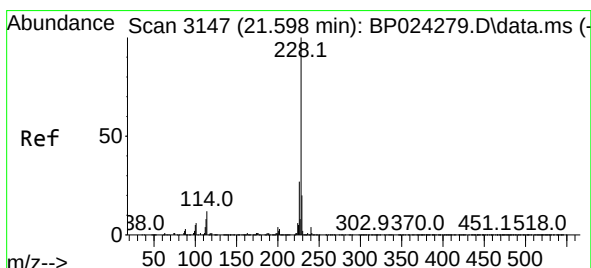
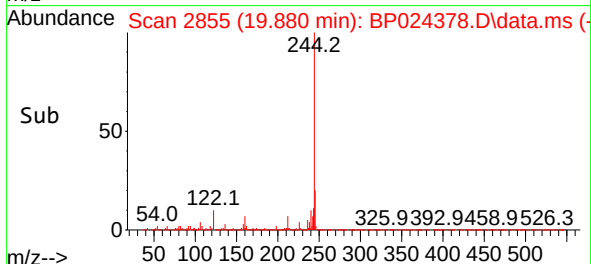
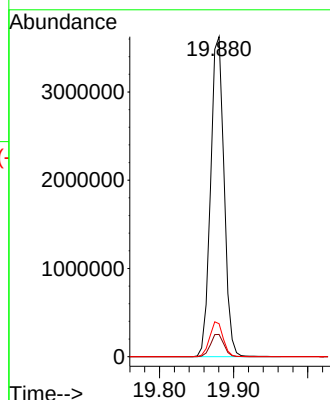
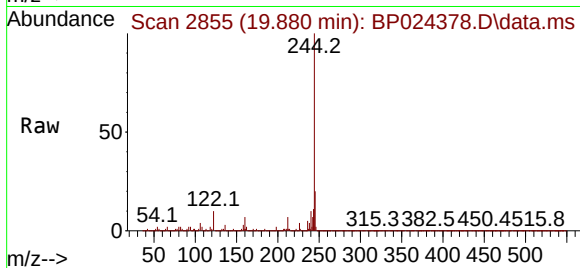
Tgt Ion:244 Resp: 4567199

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.3 9.4 14.0



#81

Benzo(a)anthracene

Concen: 2.310 ng

RT: 21.586 min Scan# 3145

Delta R.T. 0.018 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

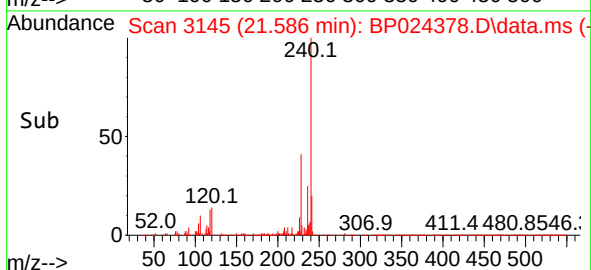
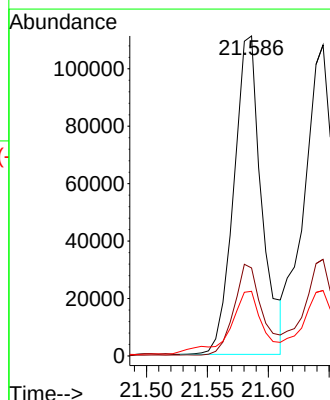
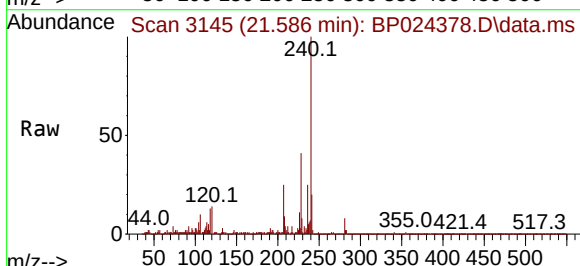
Tgt Ion:228 Resp: 176622

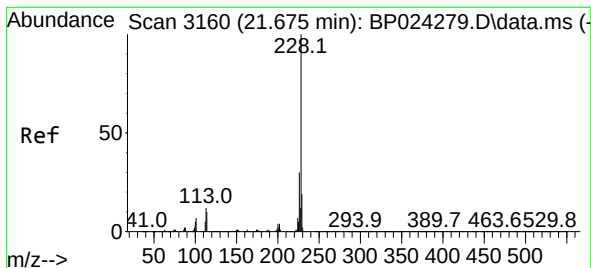
Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.2 15.9 23.9





#83

Chrysene

Concen: 2.490 ng

RT: 21.645 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-10

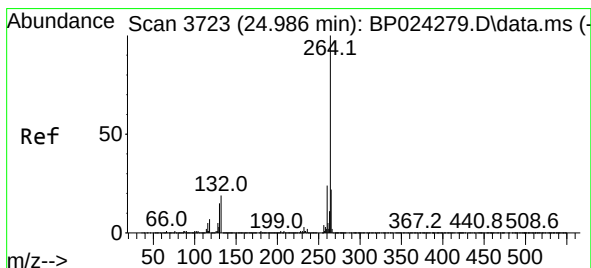
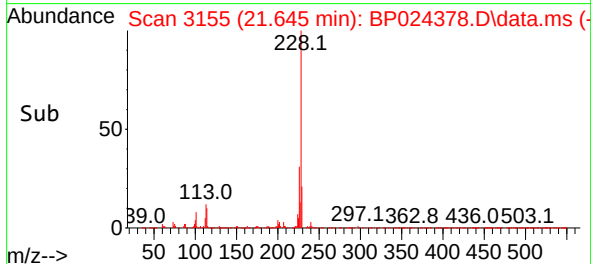
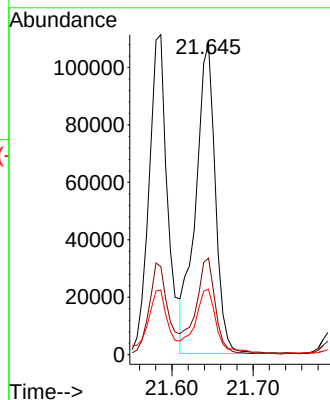
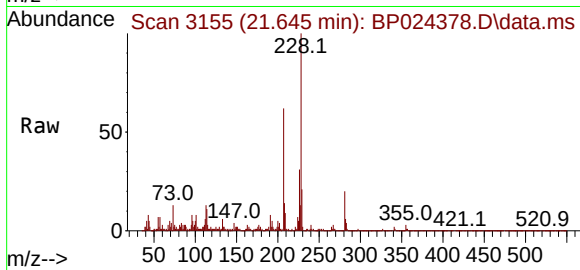
Tgt Ion:228 Resp: 182444

Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.2

229 21.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.933 min Scan# 3714

Delta R.T. 0.000 min

Lab File: BP024378.D

Acq: 22 Apr 2025 14:41

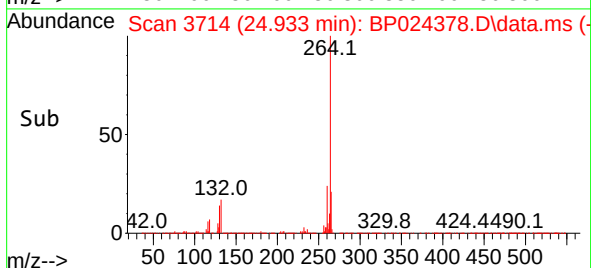
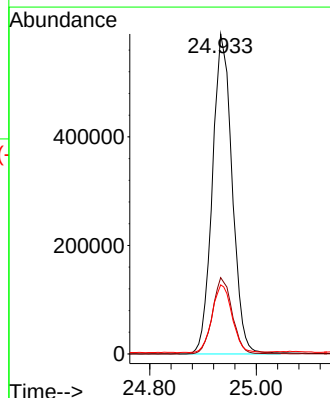
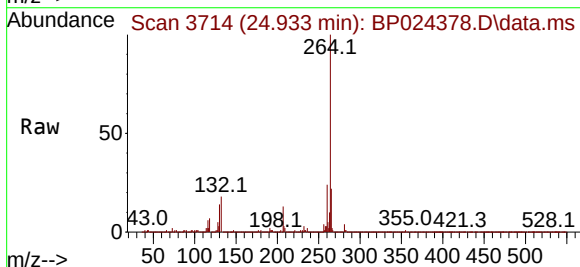
Tgt Ion:264 Resp: 1518328

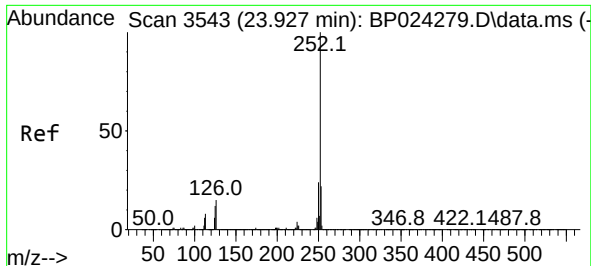
Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.6 17.8 26.6

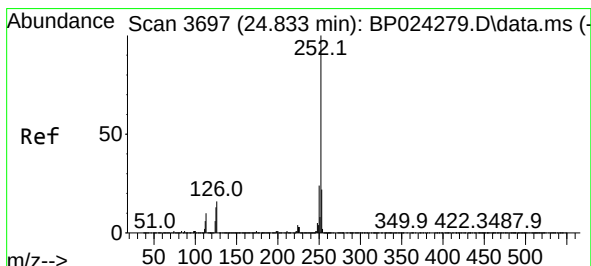
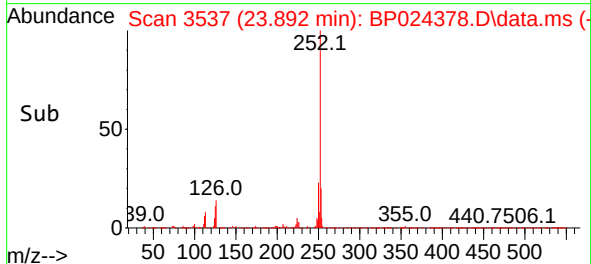
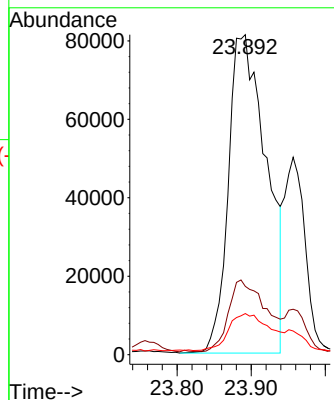
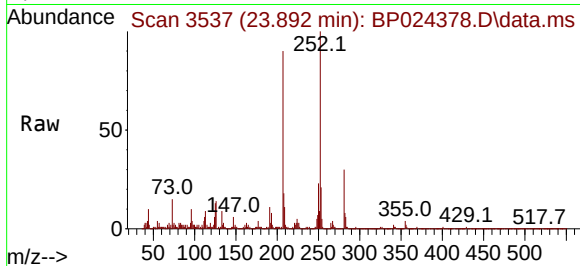




#88
Benzo(b)fluoranthene
Concen: 3.177 ng
RT: 23.892 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-10

Tgt Ion:252 Resp: 289143
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 12.9 9.4 14.0



#90
Benzo(a)pyrene
Concen: 2.430 ng
RT: 24.780 min Scan# 3688
Delta R.T. 0.000 min
Lab File: BP024378.D
Acq: 22 Apr 2025 14:41

Tgt Ion:252 Resp: 190753
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 12.3 10.1 15.1

