

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042125\
 Data File : BM049988.D
 Acq On : 21 Apr 2025 17:11
 Operator : RC/JU
 Sample : Q1842-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-08

Quant Time: Apr 21 18:24:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

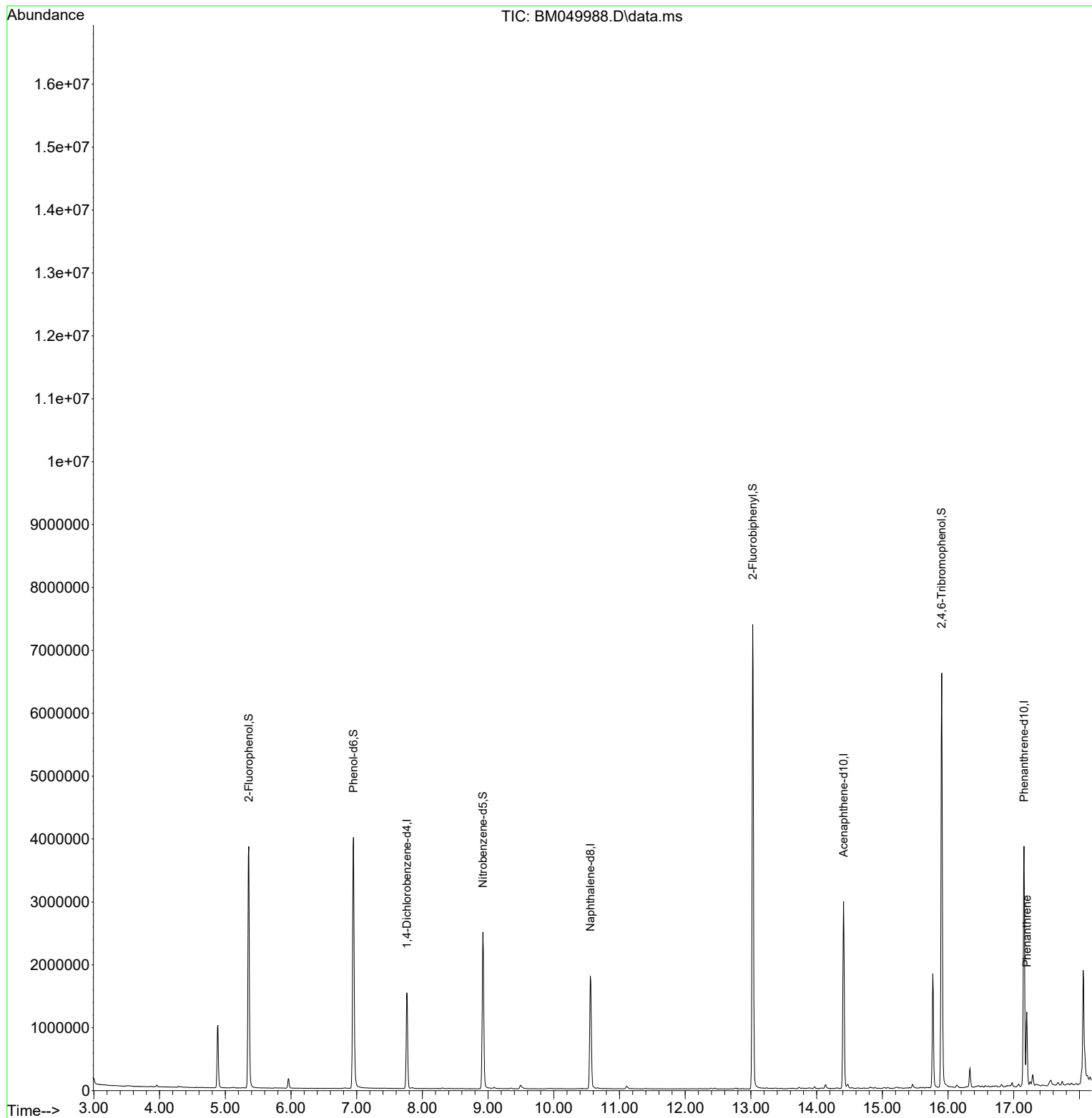
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	444263	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1623356	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	1124514	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	2375568	20.000	ng	0.00
76) Chrysene-d12	21.397	240	2085117	20.000	ng	0.00
86) Perylene-d12	24.403	264	1826072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1823465	69.697	ng	0.00
7) Phenol-d6	6.951	99	2543908	78.151	ng	0.00
23) Nitrobenzene-d5	8.922	82	1468484	50.373	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	1439578	88.013	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4066919	49.042	ng	-0.02
79) Terphenyl-d14	19.780	244	6505709	58.472	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.198	178	713663	5.480	ng	99
75) Fluoranthene	19.215	202	1555679	9.715	ng	100
78) Pyrene	19.580	202	1445772	10.061	ng	100
81) Benzo(a)anthracene	21.380	228	596751	4.306	ng	98
83) Chrysene	21.444	228	597997	4.539	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	307199	2.257	ng	97
88) Benzo(b)fluoranthene	23.456	252	706981	6.062	ng	97
89) Benzo(k)fluoranthene	23.509	252	236394m	2.092	ng	
90) Benzo(a)pyrene	24.256	252	455584	4.446	ng	98
92) Benzo(g,h,i)perylene	28.838	276	306456	2.675	ng	98

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

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Instrument :
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PL-714-COMP-08

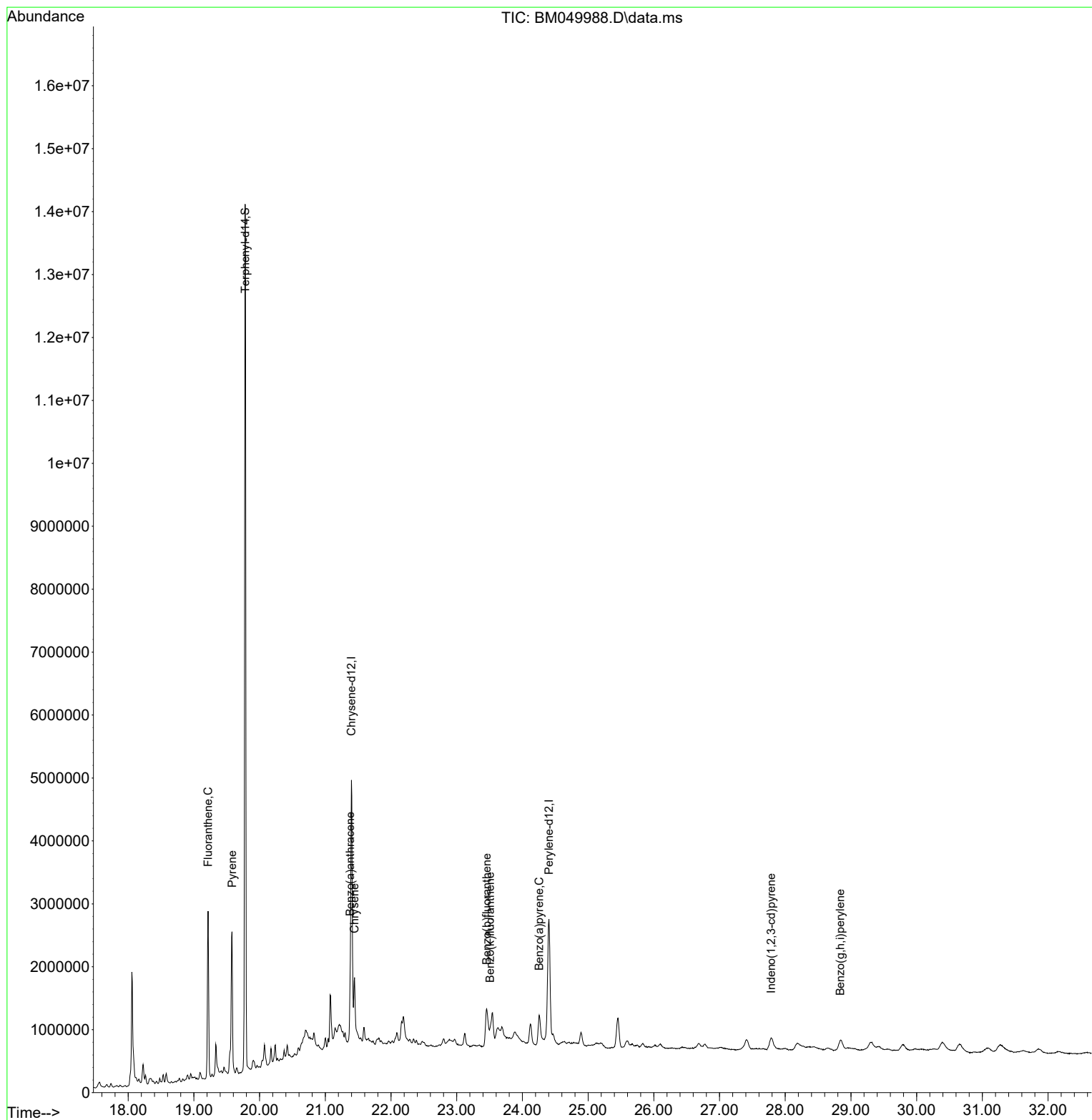
Quant Time: Apr 21 18:24:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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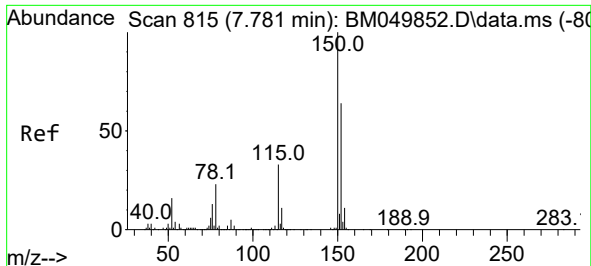


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042125\
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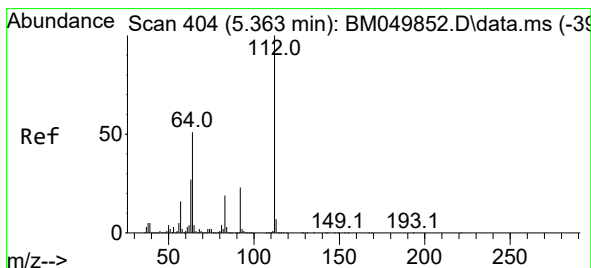
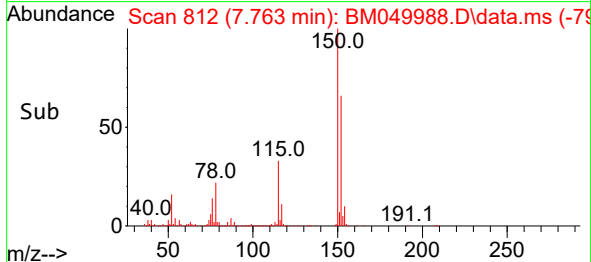
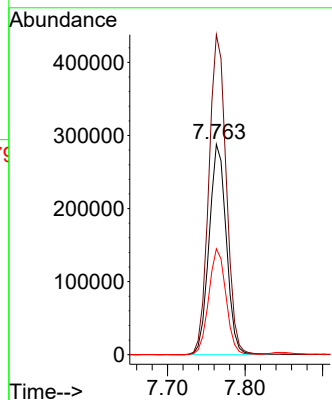
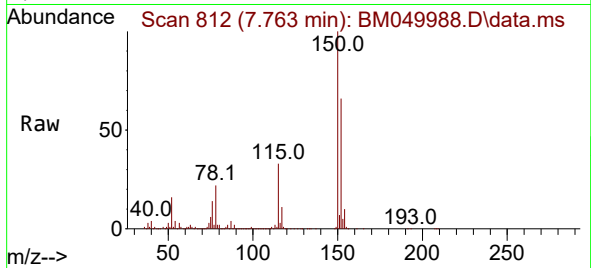




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

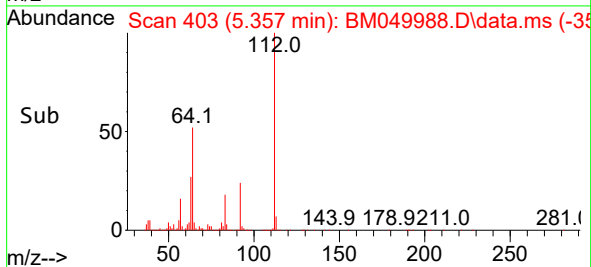
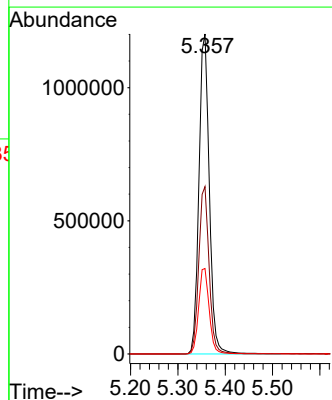
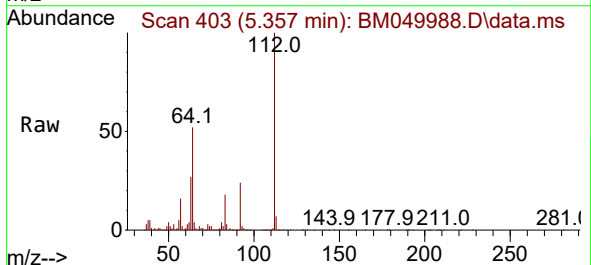
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-08

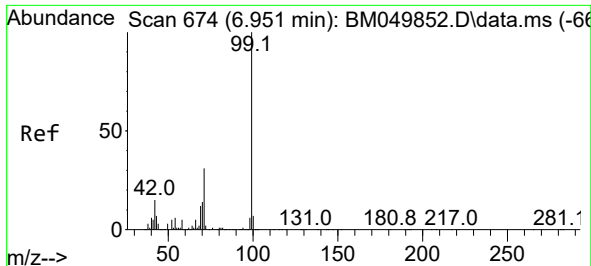
Tgt Ion:152 Resp: 444263
Ion Ratio Lower Upper
152 100
150 152.0 124.3 186.5
115 50.3 41.1 61.7



#5
2-Fluorophenol
Concen: 69.697 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

Tgt Ion:112 Resp: 1823465
Ion Ratio Lower Upper
112 100
64 52.3 41.0 61.6
63 26.7 21.5 32.3

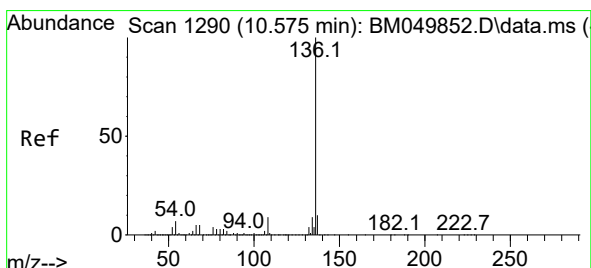
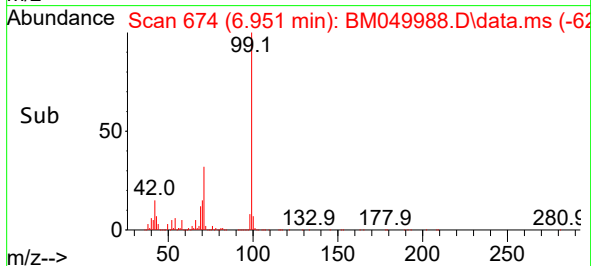
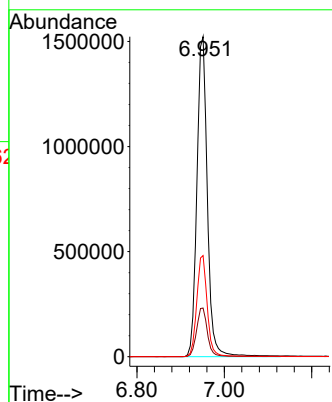
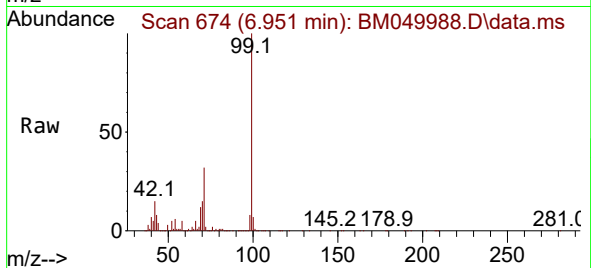




#7
Phenol-d6
Concen: 78.151 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

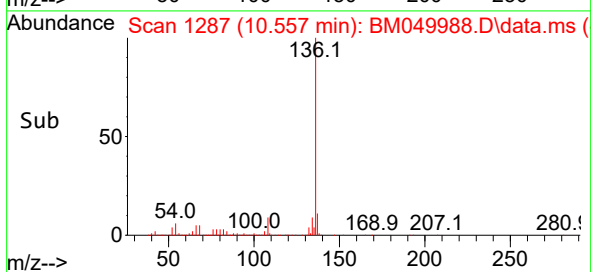
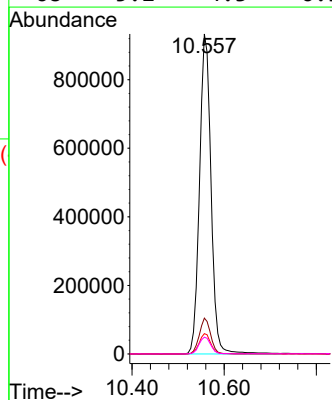
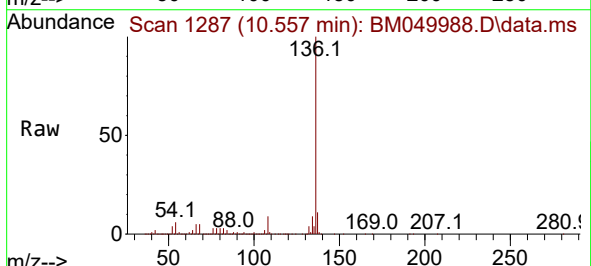
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-08

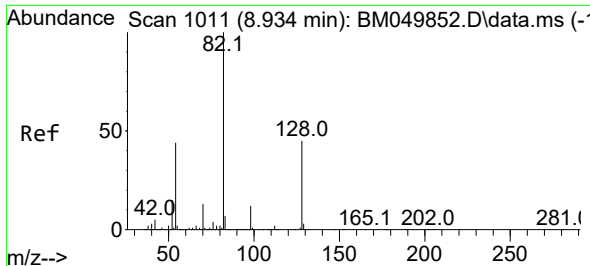
Tgt Ion: 99 Resp: 2543908
Ion Ratio Lower Upper
99 100
42 15.2 12.1 18.1
71 31.6 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

Tgt Ion: 136 Resp: 1623356
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.3 5.3 7.9
68 5.2 4.3 6.5

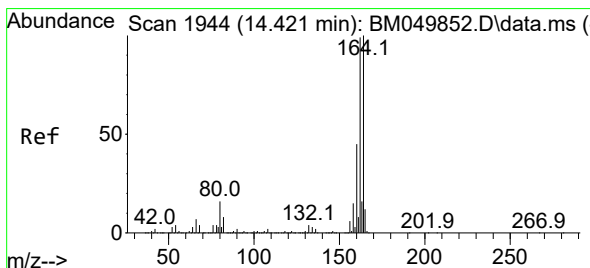
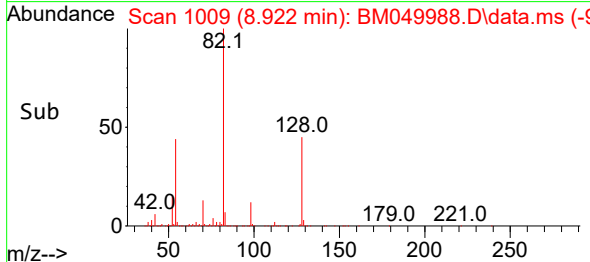
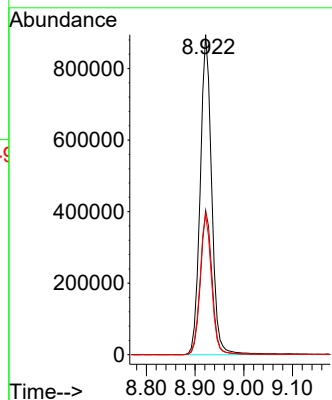
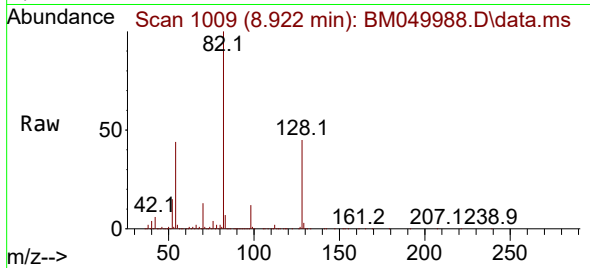




#23
Nitrobenzene-d5
Concen: 50.373 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

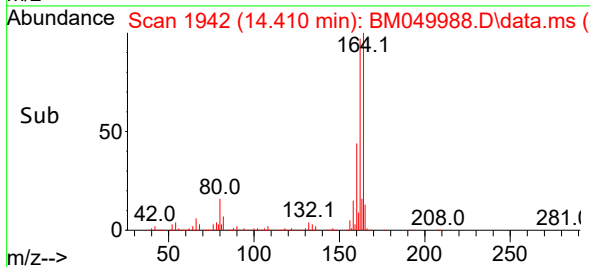
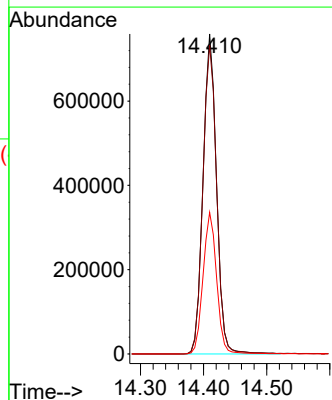
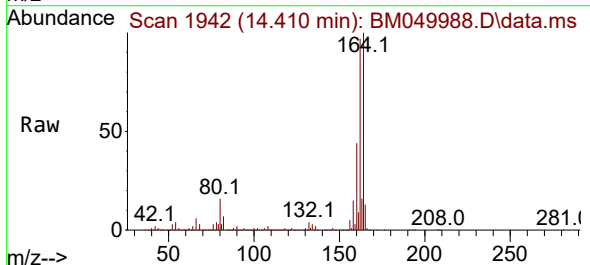
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-08

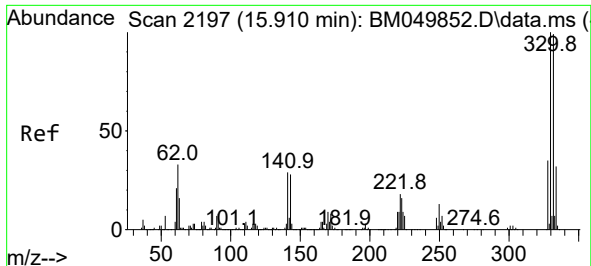
Tgt Ion: 82 Resp: 1468484
Ion Ratio Lower Upper
82 100
128 45.1 36.2 54.2
54 43.6 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

Tgt Ion:164 Resp: 1124514
Ion Ratio Lower Upper
164 100
162 96.5 79.4 119.0
160 44.3 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 88.013 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-08

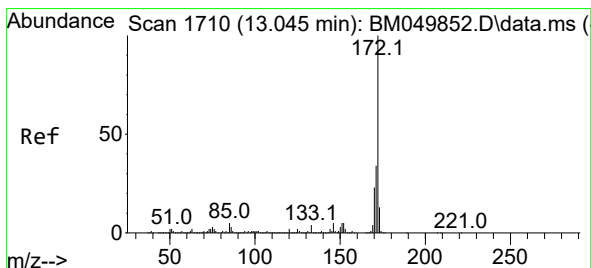
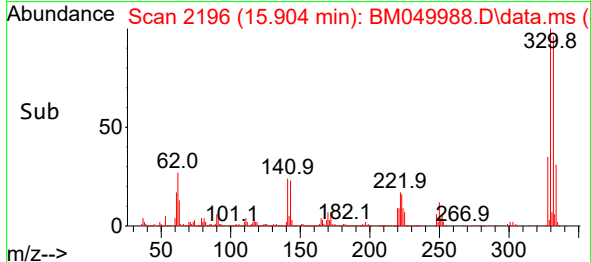
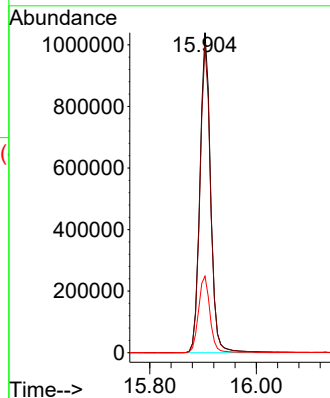
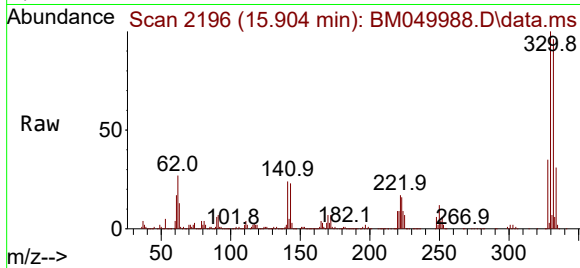
Tgt Ion:330 Resp: 1439578

Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

141 25.7 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 49.042 ng

RT: 13.027 min Scan# 1707

Delta R.T. -0.018 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

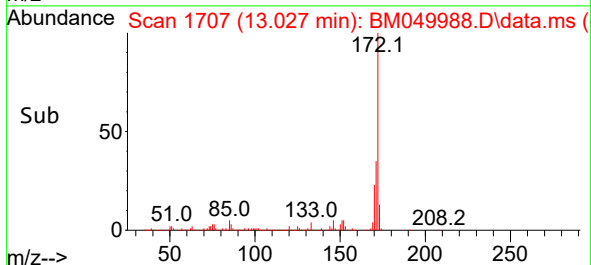
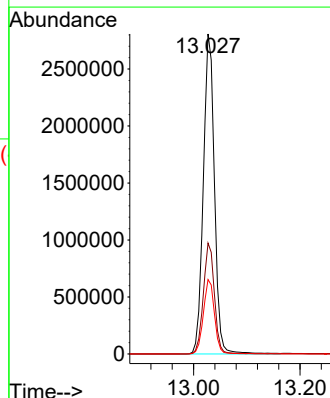
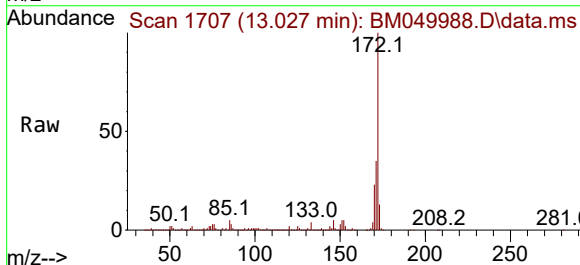
Tgt Ion:172 Resp: 4066919

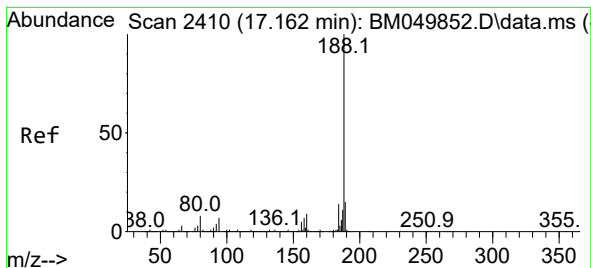
Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.2

170 23.3 18.6 28.0

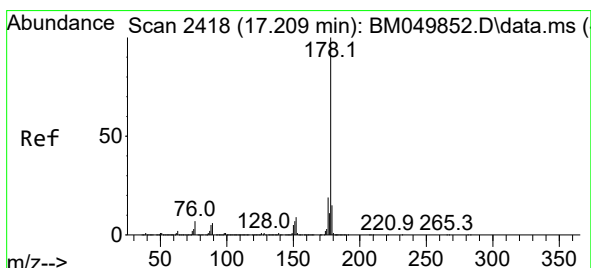
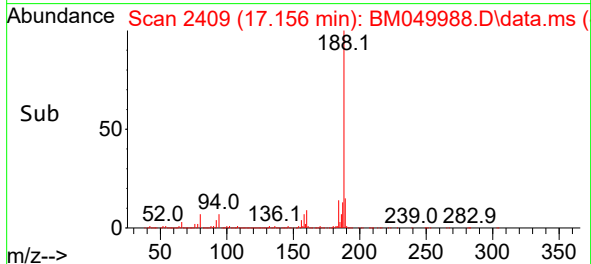
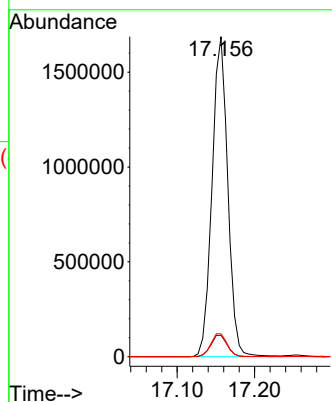
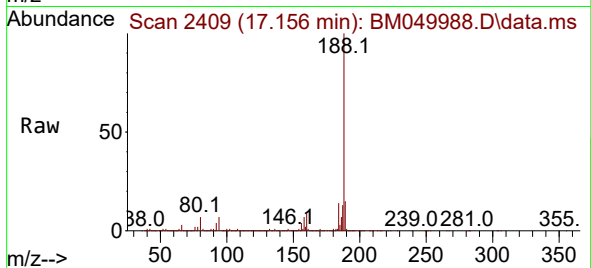




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

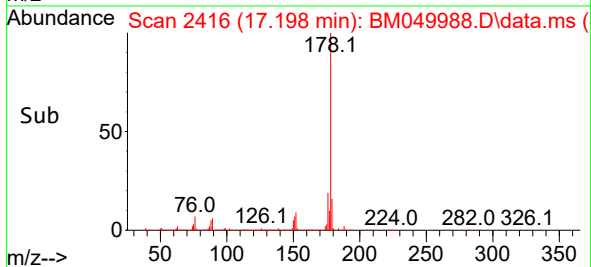
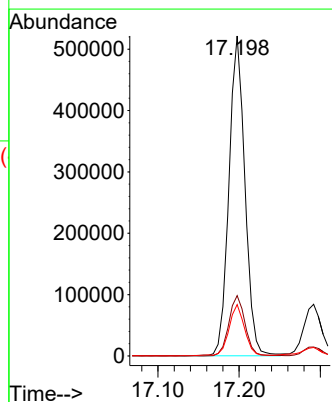
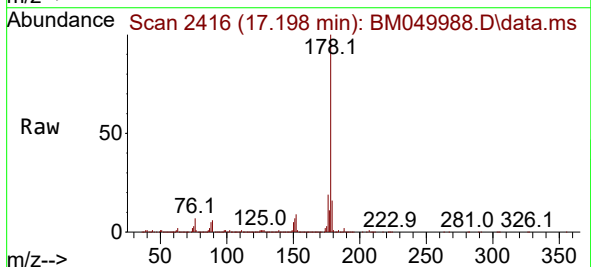
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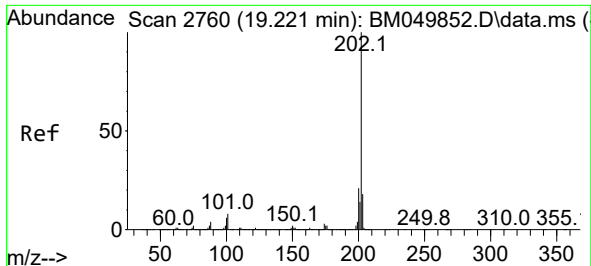
Tgt Ion:188 Resp: 2375568
Ion Ratio Lower Upper
188 100
94 6.6 5.8 8.6
80 7.2 6.4 9.6



#71
Phenanthrene
Concen: 5.480 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

Tgt Ion:178 Resp: 713663
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.0 12.3 18.5

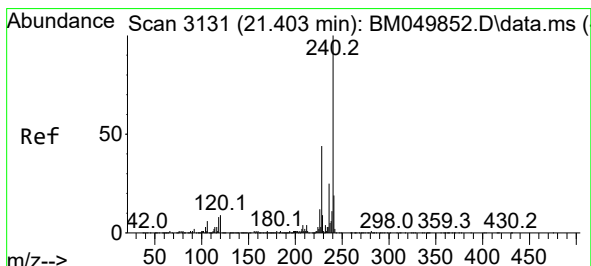
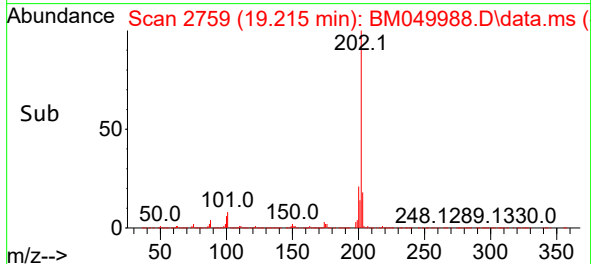
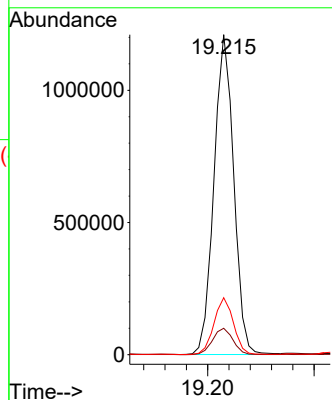
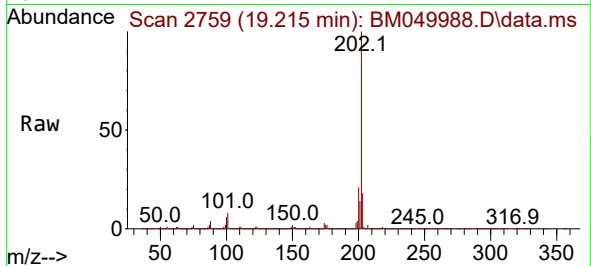




#75
Fluoranthene
Concen: 9.715 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

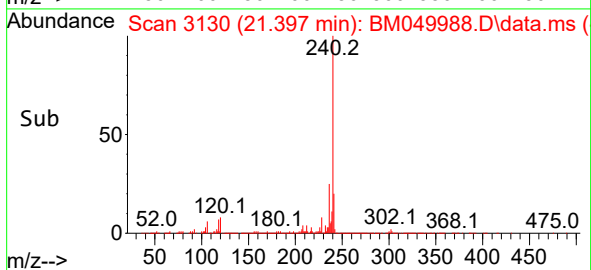
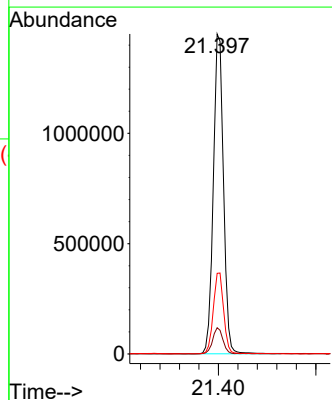
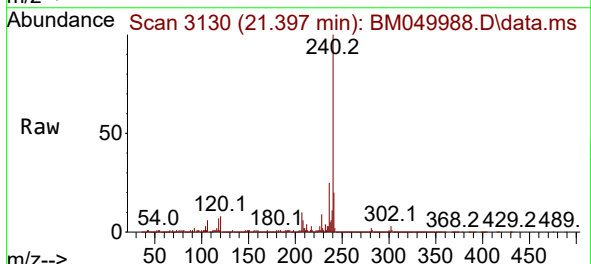
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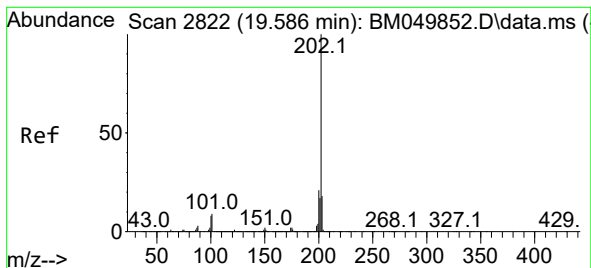
Tgt Ion:202 Resp: 1555679
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049988.D
Acq: 21 Apr 2025 17:11

Tgt Ion:240 Resp: 2085117
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.2 20.4 30.6





#78

Pyrene

Concen: 10.061 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-08

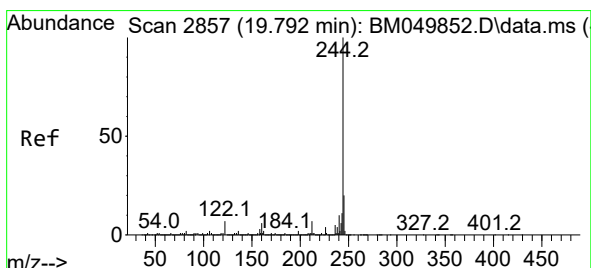
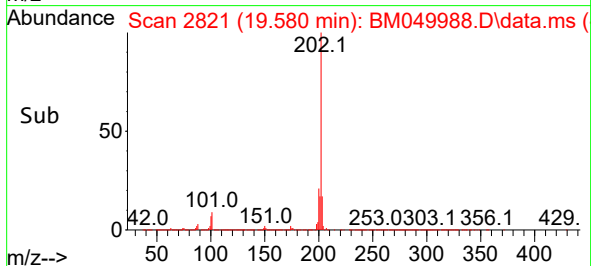
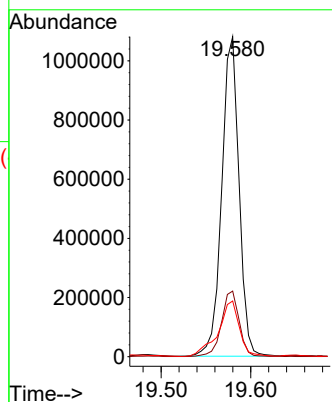
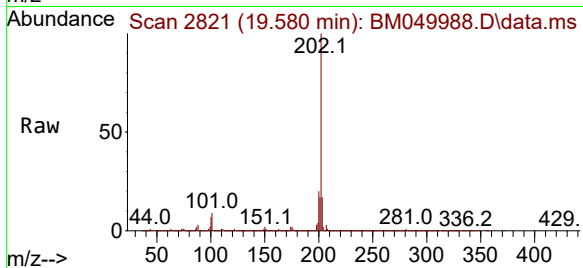
Tgt Ion:202 Resp: 1445772

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

203 17.4 14.0 21.0



#79

Terphenyl-d14

Concen: 58.472 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

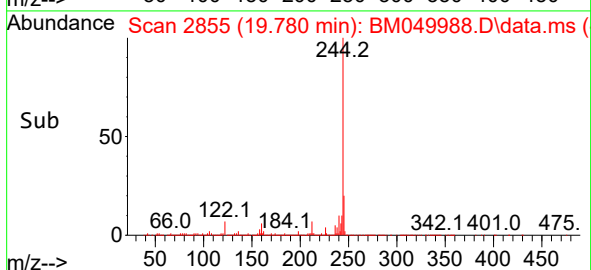
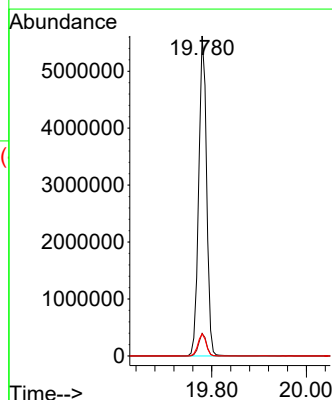
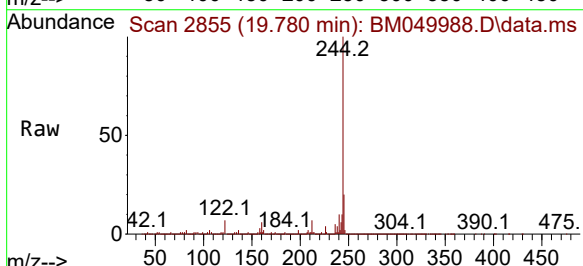
Tgt Ion:244 Resp: 6505709

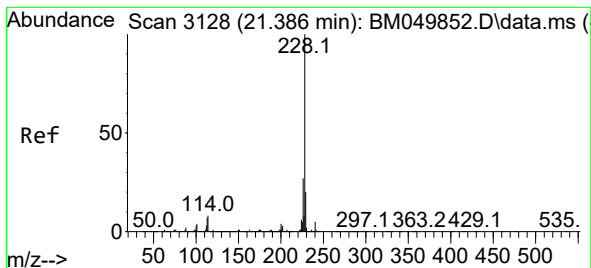
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 6.9 5.4 8.0





#81

Benzo(a)anthracene

Concen: 4.306 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-08

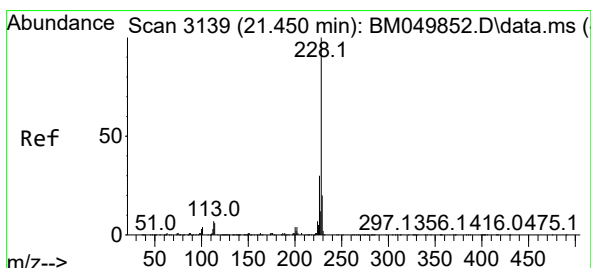
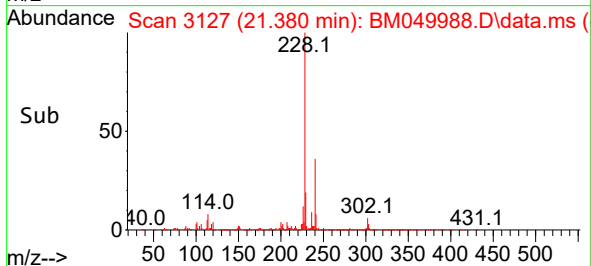
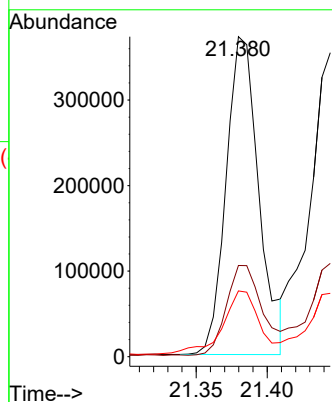
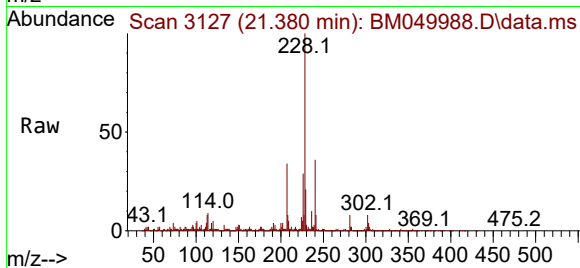
Tgt Ion:228 Resp: 596751

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

229 20.5 15.8 23.8



#83

Chrysene

Concen: 4.539 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

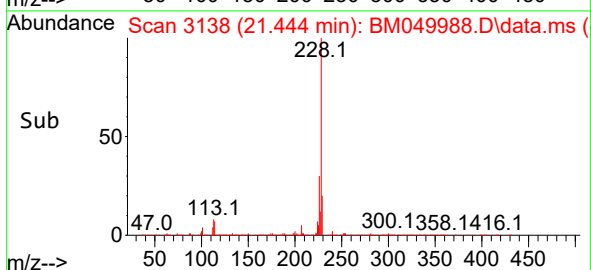
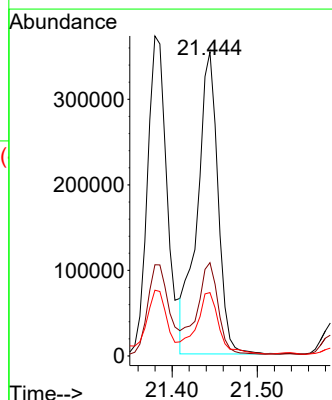
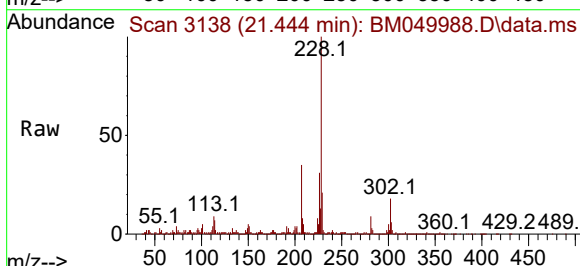
Tgt Ion:228 Resp: 597997

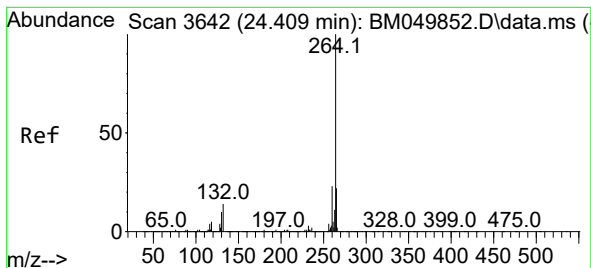
Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 20.8 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-08

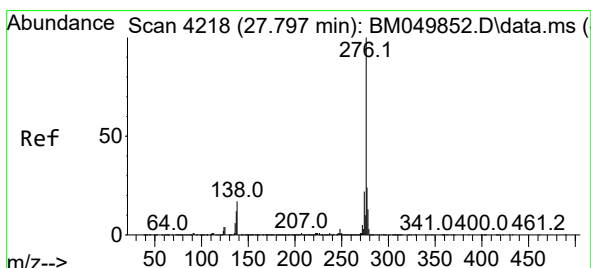
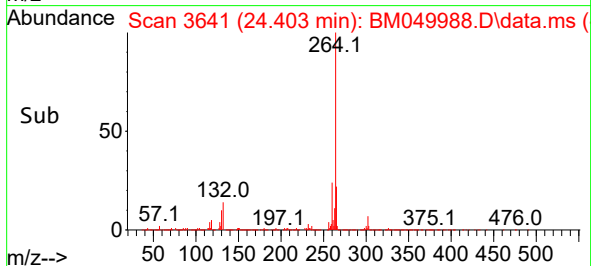
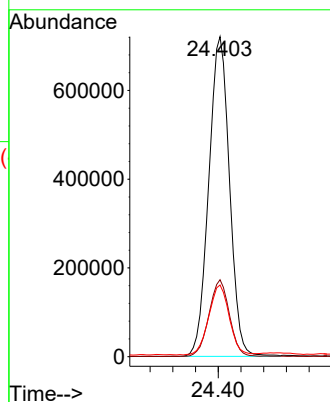
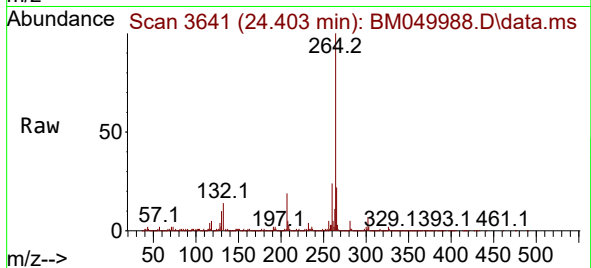
Tgt Ion:264 Resp: 1826072

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.4 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.257 ng

RT: 27.785 min Scan# 4216

Delta R.T. -0.012 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

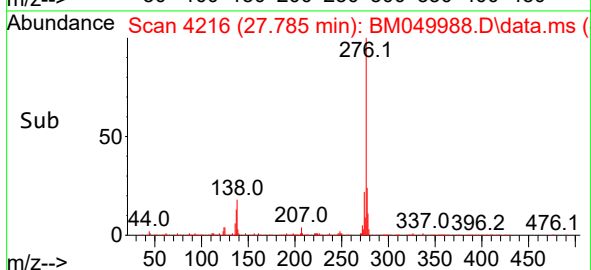
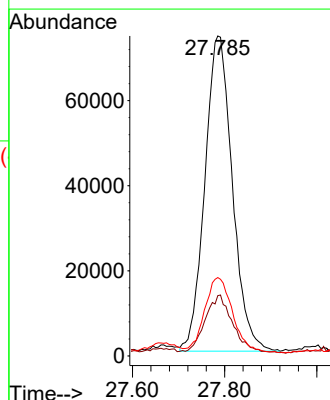
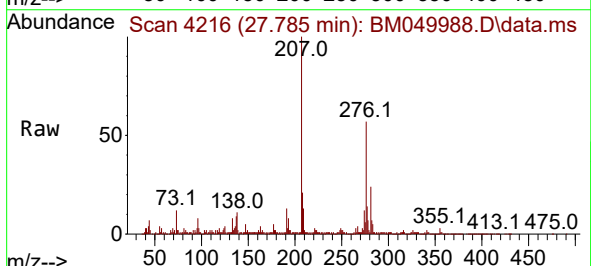
Tgt Ion:276 Resp: 307199

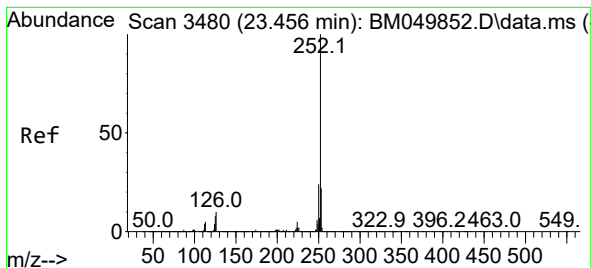
Ion Ratio Lower Upper

276 100

138 18.3 16.8 25.2

277 24.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 6.062 ng

RT: 23.456 min Scan# 34

Delta R.T. -0.000 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-08

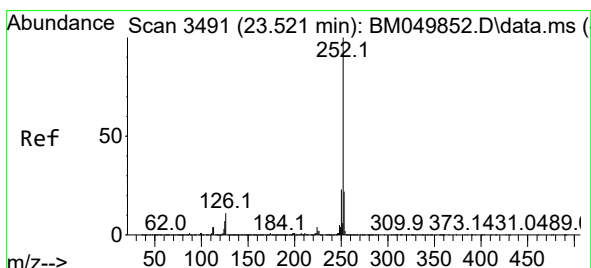
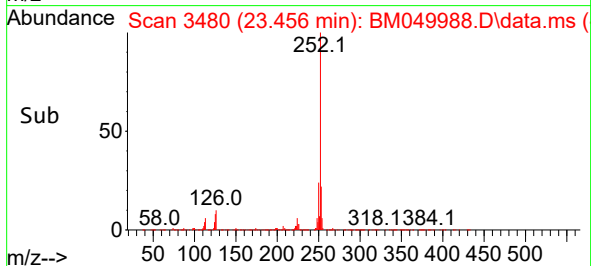
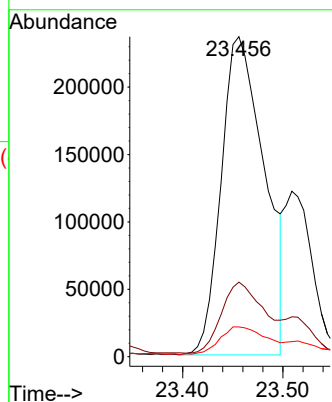
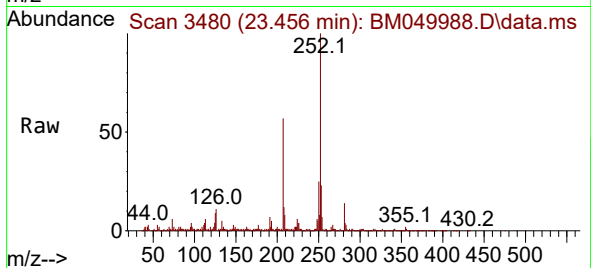
Tgt Ion:252 Resp: 706981

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 9.3 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 2.092 ng m

RT: 23.509 min Scan# 3489

Delta R.T. -0.012 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

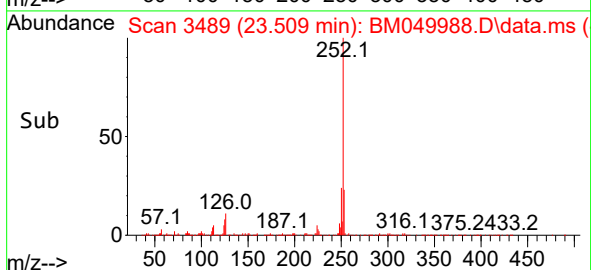
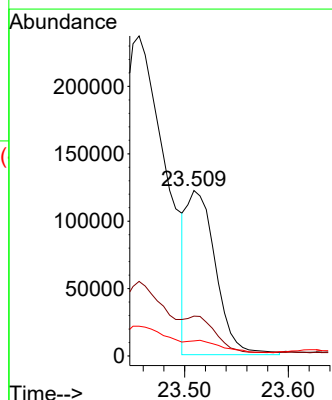
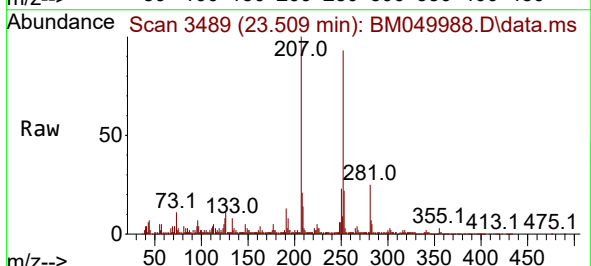
Tgt Ion:252 Resp: 236394

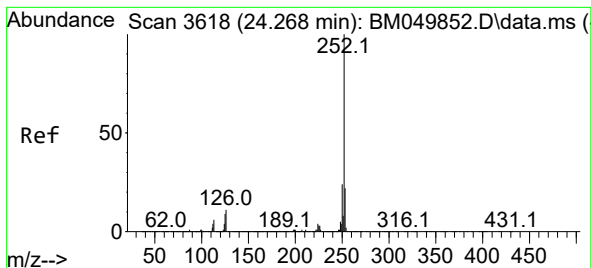
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 9.1 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 4.446 ng

RT: 24.256 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-08

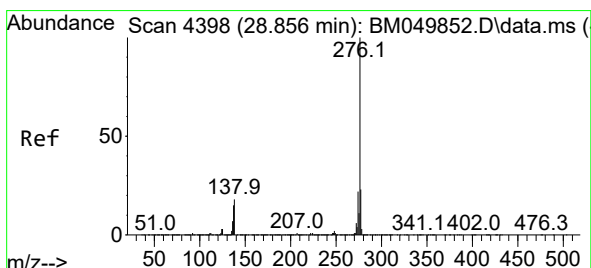
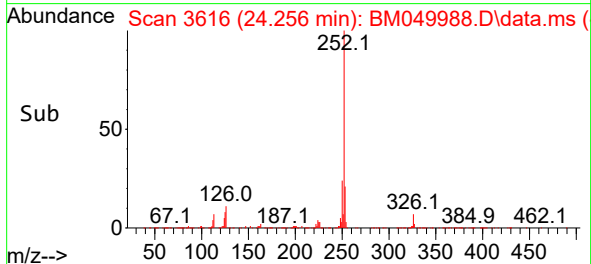
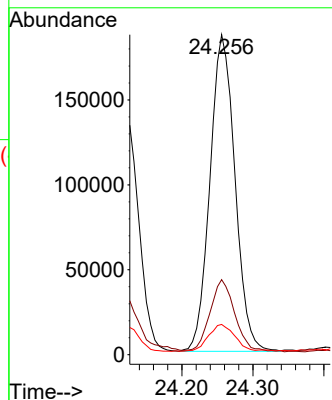
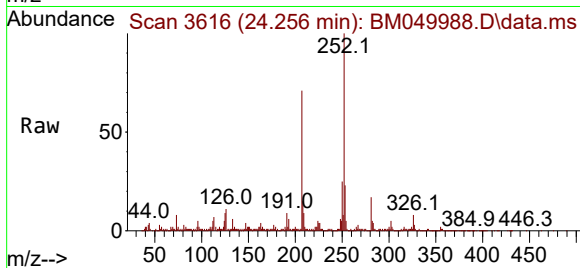
Tgt Ion:252 Resp: 455584

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 9.4 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 2.675 ng

RT: 28.838 min Scan# 4395

Delta R.T. -0.018 min

Lab File: BM049988.D

Acq: 21 Apr 2025 17:11

Tgt Ion:276 Resp: 306456

Ion Ratio Lower Upper

276 100

277 25.4 18.7 28.1

138 18.1 14.6 21.8

