

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050085.D
 Acq On : 02 May 2025 14:39
 Operator : RC/JU
 Sample : Q1914-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-9

Quant Time: May 02 15:21:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

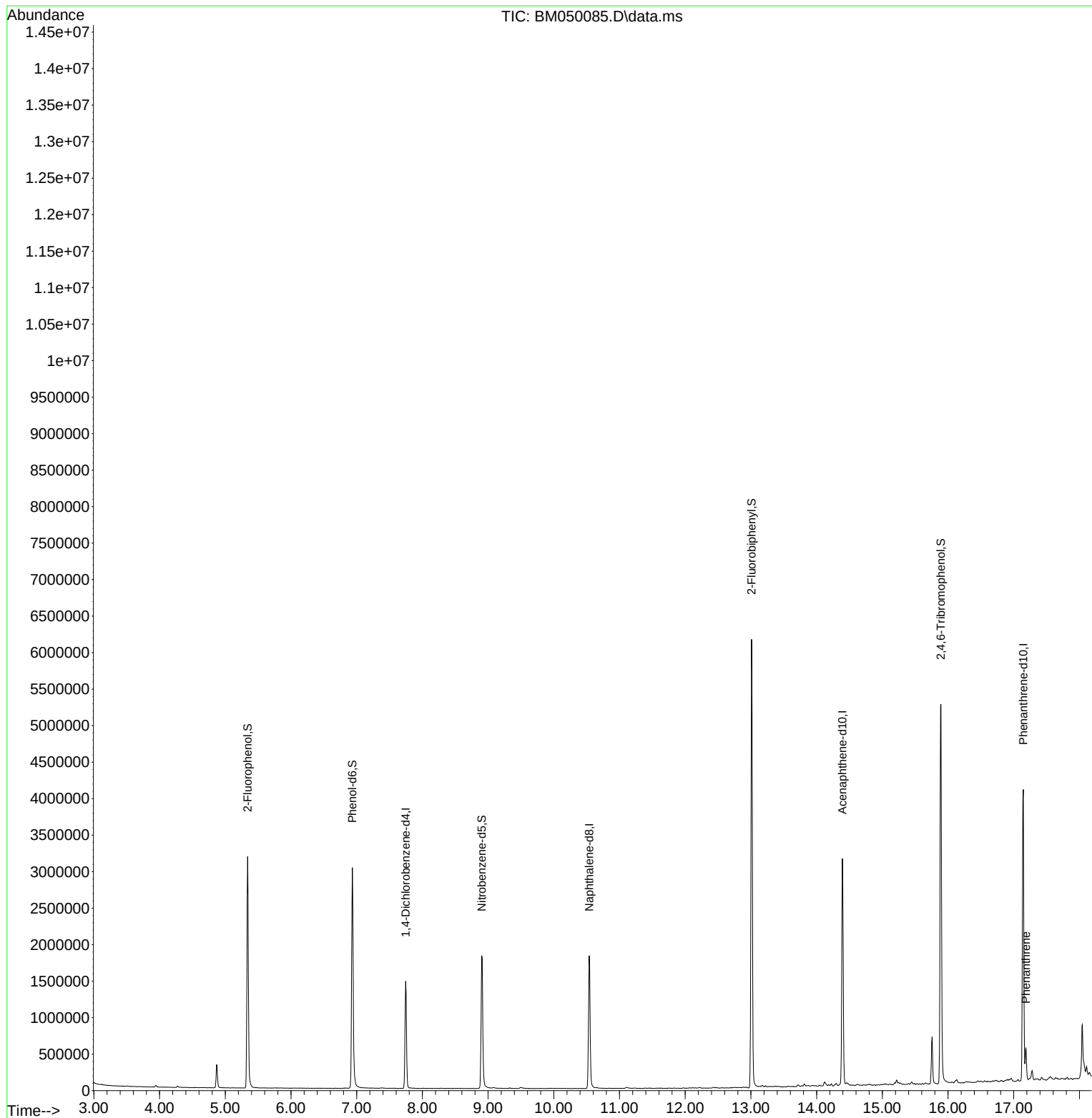
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	435857	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1641911	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1196818	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	2545994	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	2196376	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1687114	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1501389	60.319	ng	-0.02
7) Phenol-d6	6.934	99	2000574	63.948	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1190622	35.733	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1282187	72.454	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3523544	34.828	ng	-0.02
79) Terphenyl-d14	19.768	244	5966026	40.194	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.186	178	288683	2.010	ng	100
75) Fluoranthene	19.203	202	736705	4.370	ng	100
78) Pyrene	19.568	202	692886	4.492	ng	99
81) Benzo(a)anthracene	21.368	228	333508	2.205	ng	98
83) Chrysene	21.427	228	286319	2.045	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	432537	5.013	ng	99
88) Benzo(b)fluoranthene	23.432	252	307417	2.802	ng	# 97
90) Benzo(a)pyrene	24.232	252	217336	2.115	ng	97

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

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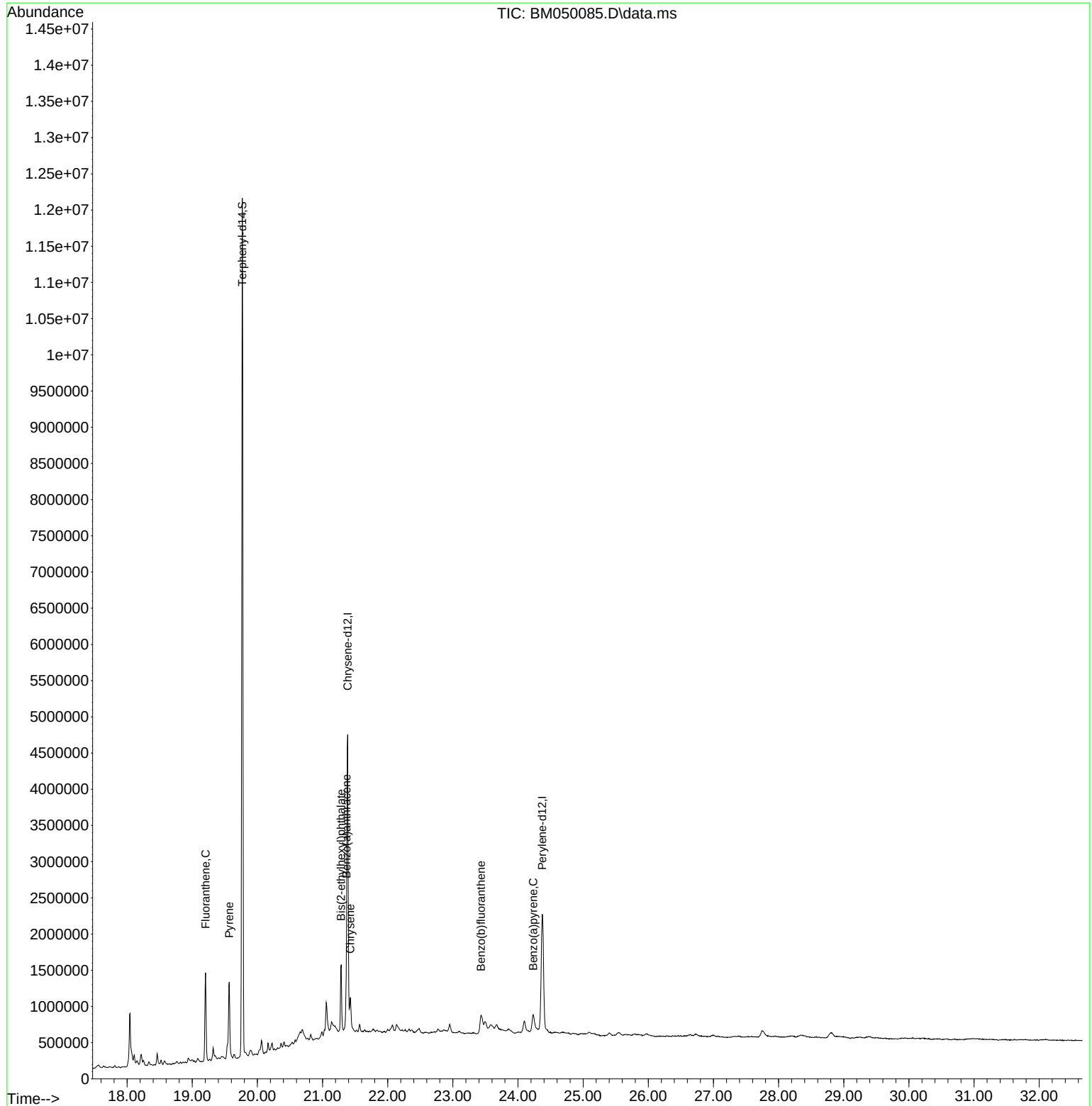
Quant Time: May 02 15:21:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

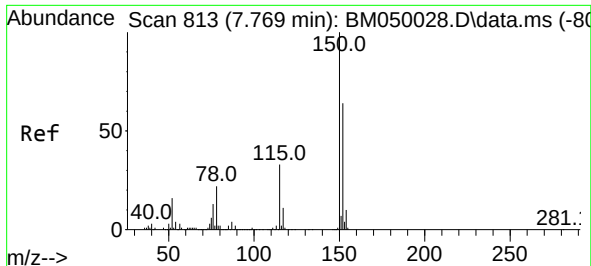


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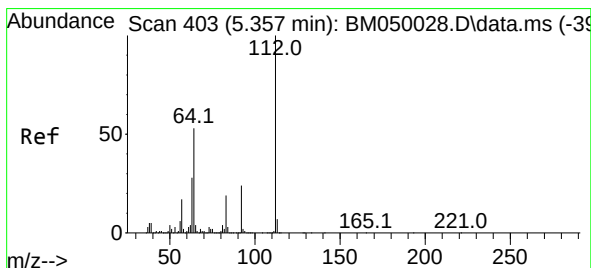
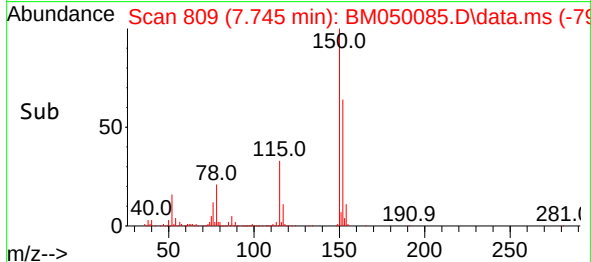
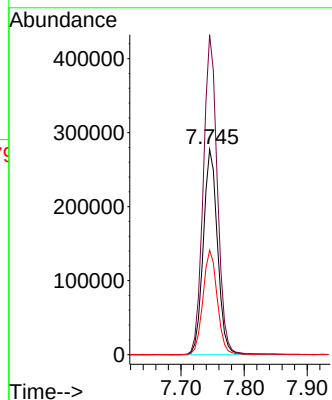
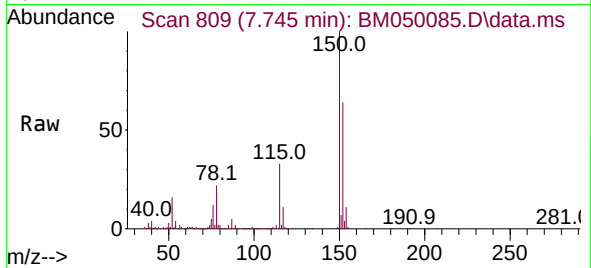




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

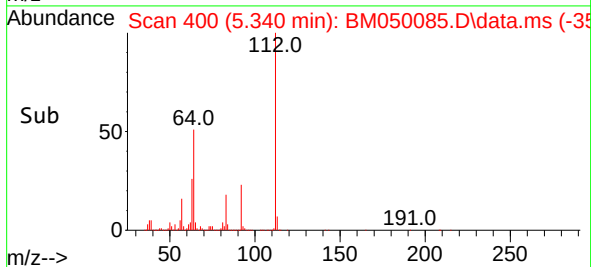
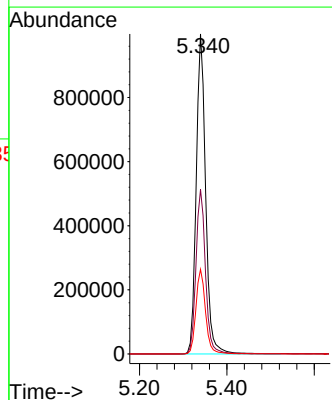
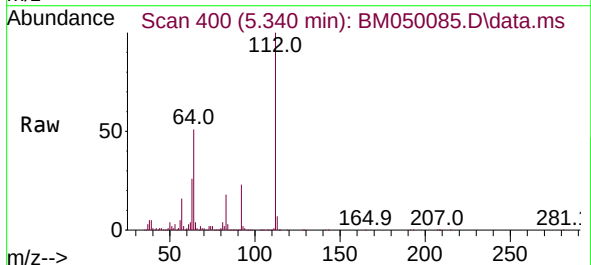
Instrument :
BNA_M
ClientSampleId :
SS-9

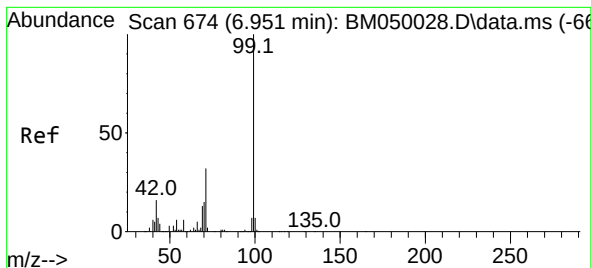
Tgt Ion:152 Resp: 435857
Ion Ratio Lower Upper
152 100
150 155.8 124.1 186.1
115 50.9 41.2 61.8



#5
2-Fluorophenol
Concen: 60.319 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

Tgt Ion:112 Resp: 1501389
Ion Ratio Lower Upper
112 100
64 51.4 42.6 64.0
63 26.4 22.2 33.4





#7

Phenol-d6

Concen: 63.948 ng

RT: 6.934 min Scan# 61

Delta R.T. -0.018 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

Instrument :

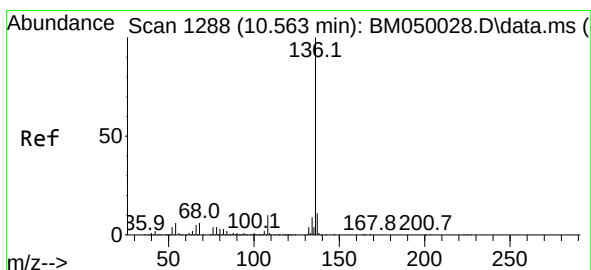
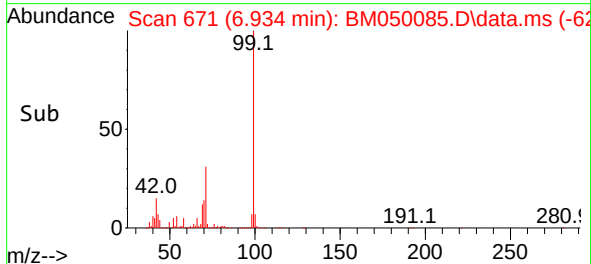
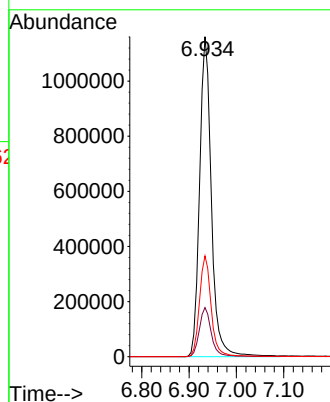
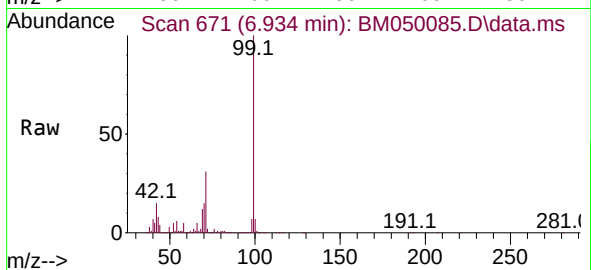
BNA_M

ClientSampleId :

SS-9

Tgt Ion: 99 Resp: 2000574

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.0	19.4
71	31.5	25.6	38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.539 min Scan# 1284

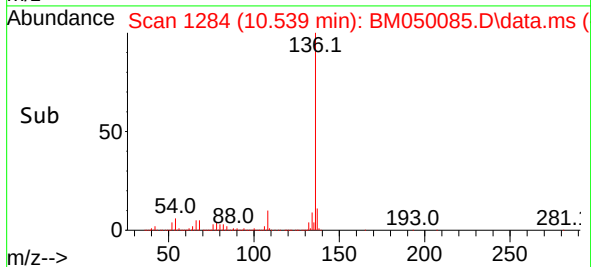
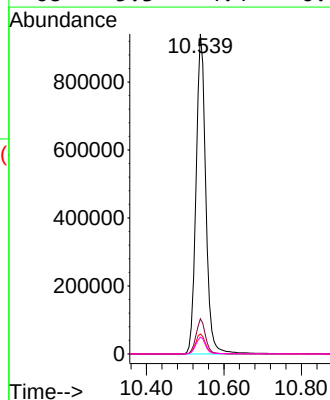
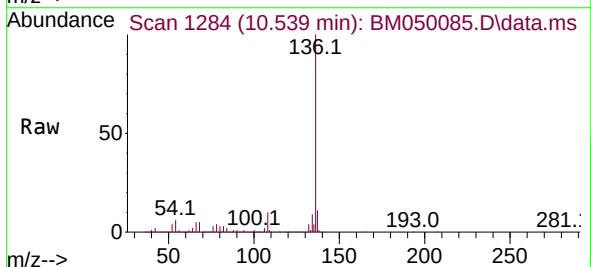
Delta R.T. -0.024 min

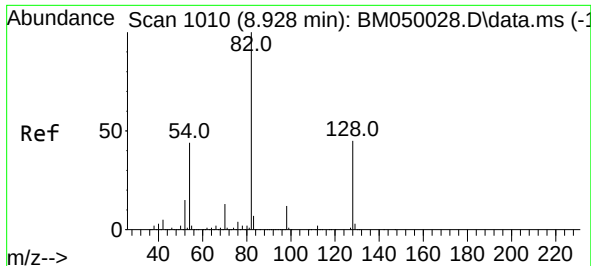
Lab File: BM050085.D

Acq: 02 May 2025 14:39

Tgt Ion: 136 Resp: 1641911

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.3	5.1	7.7
68	5.3	4.4	6.6

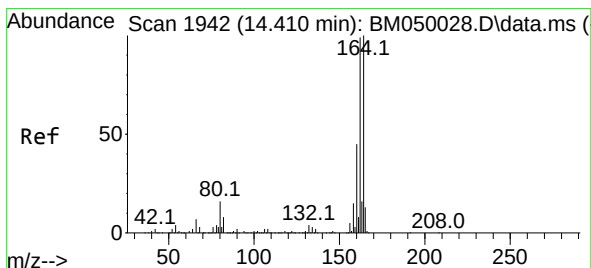
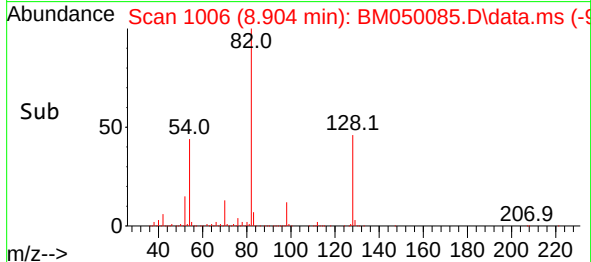
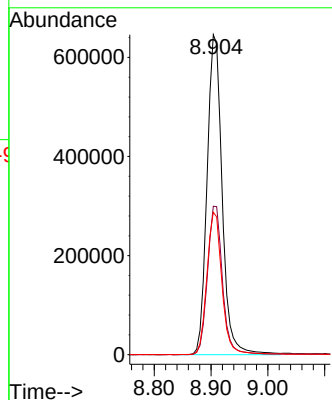
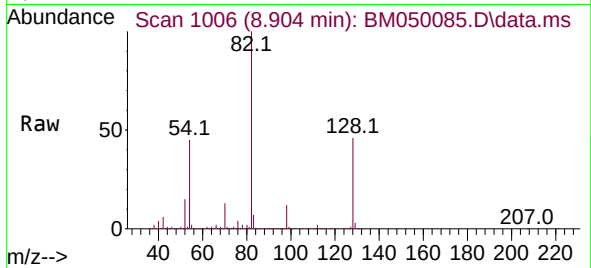




#23
Nitrobenzene-d5
Concen: 35.733 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

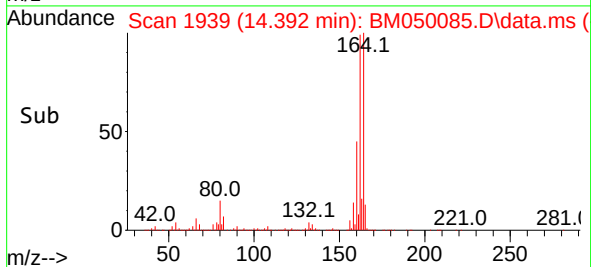
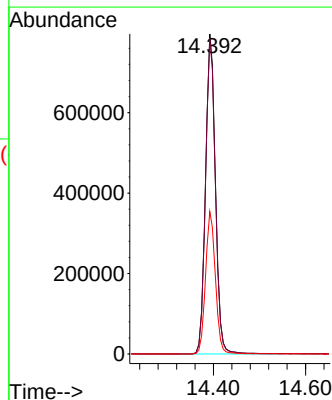
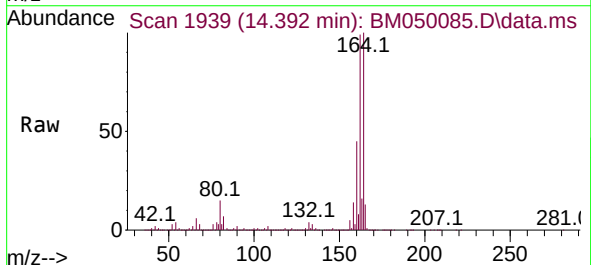
Instrument :
BNA_M
ClientSampleId :
SS-9

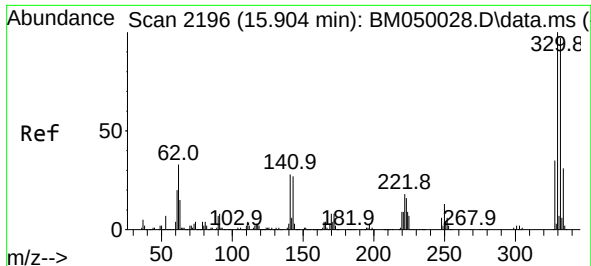
Tgt Ion: 82 Resp: 1190622
Ion Ratio Lower Upper
82 100
128 46.4 35.7 53.5
54 44.5 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

Tgt Ion:164 Resp: 1196818
Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.0
160 44.5 36.2 54.4

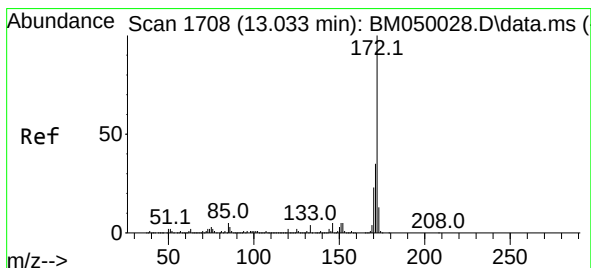
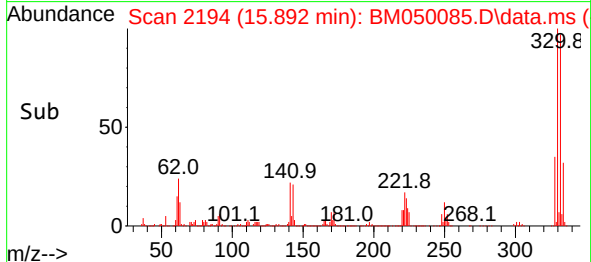
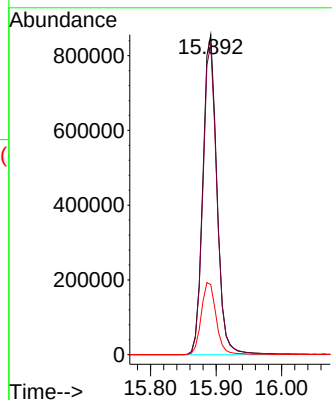
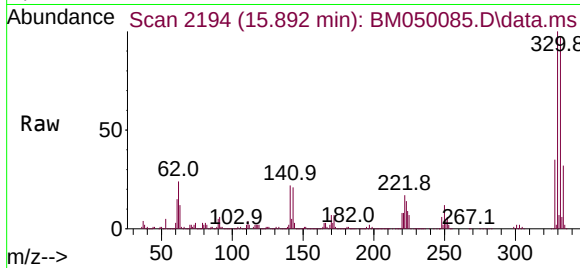




#42
 2,4,6-Tribromophenol
 Concen: 72.454 ng
 RT: 15.892 min Scan# 2196
 Delta R.T. -0.012 min
 Lab File: BM050085.D
 Acq: 02 May 2025 14:39

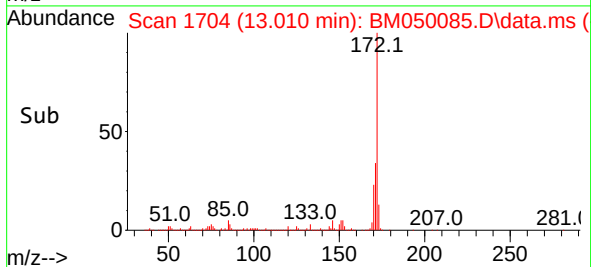
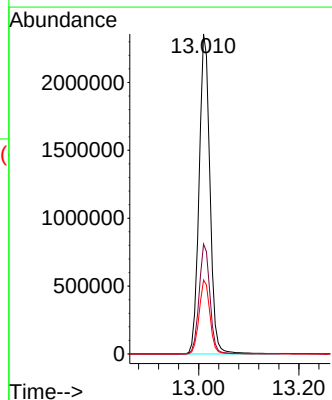
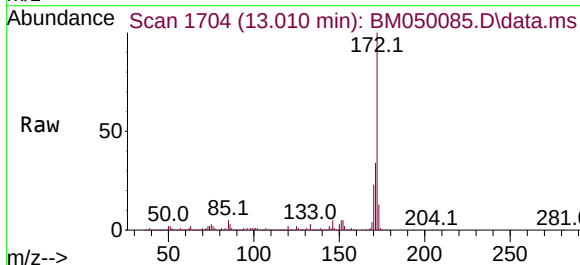
Instrument :
 BNA_M
 ClientSampleId :
 SS-9

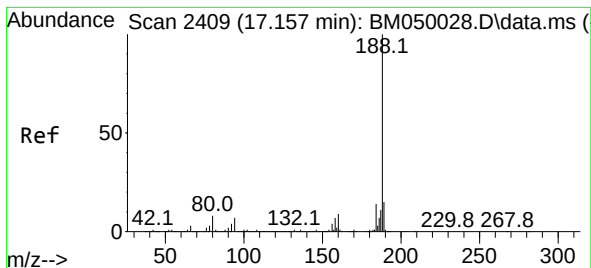
Tgt Ion:330 Resp: 1282187
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.3 115.9
 141 24.0 22.5 33.7



#45
 2-Fluorobiphenyl
 Concen: 34.828 ng
 RT: 13.010 min Scan# 1704
 Delta R.T. -0.024 min
 Lab File: BM050085.D
 Acq: 02 May 2025 14:39

Tgt Ion:172 Resp: 3523544
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.8 41.6
 170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2409

Delta R.T. -0.012 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

Instrument :

BNA_M

ClientSampleId :

SS-9

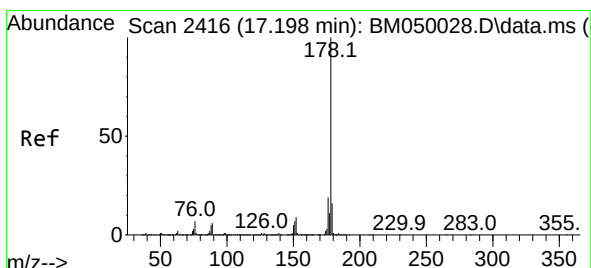
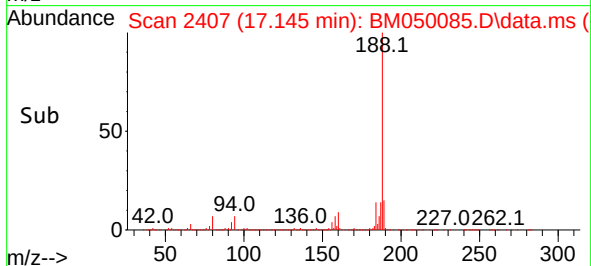
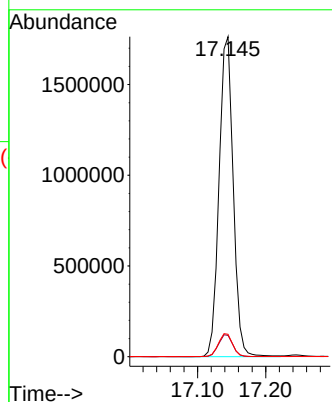
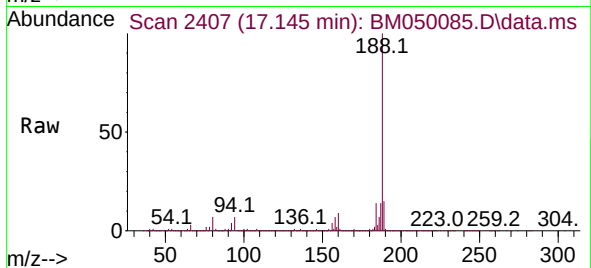
Tgt Ion:188 Resp: 2545994

Ion Ratio Lower Upper

188 100

94 6.7 5.7 8.5

80 7.0 6.2 9.4



#71

Phenanthrene

Concen: 2.010 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

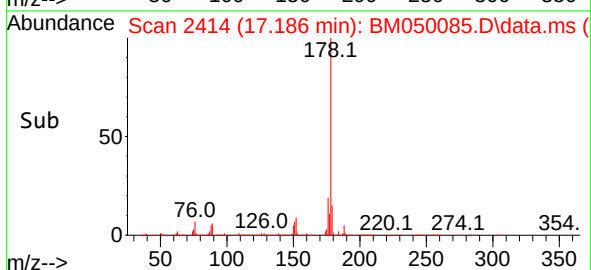
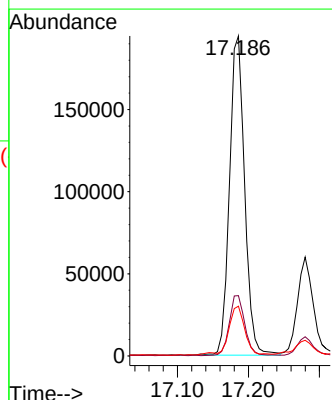
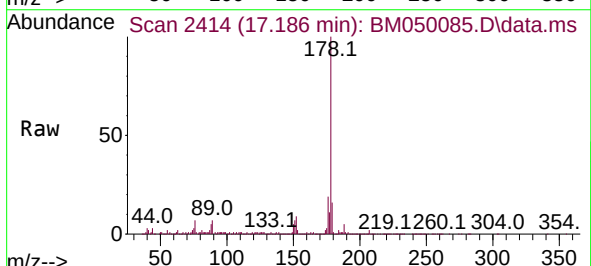
Tgt Ion:178 Resp: 288683

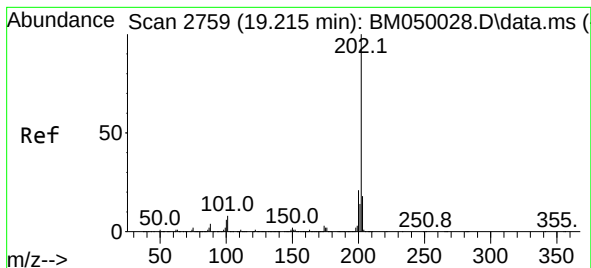
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.6 12.4 18.6

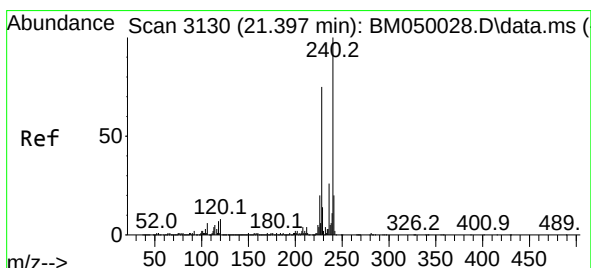
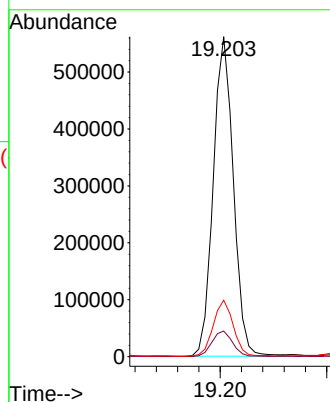
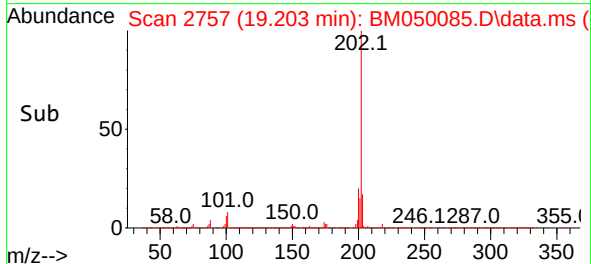
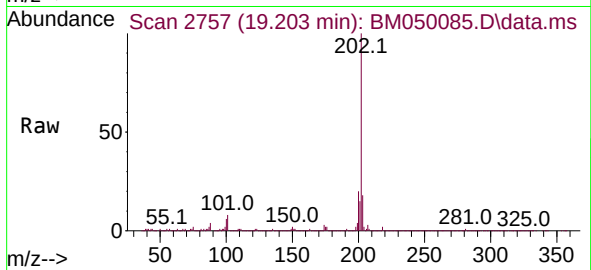




#75
Fluoranthene
Concen: 4.370 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

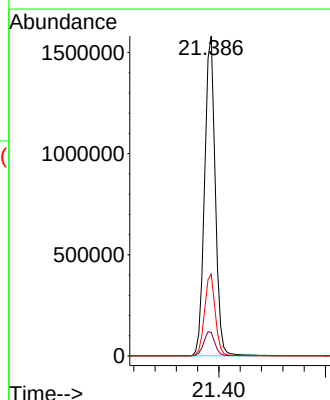
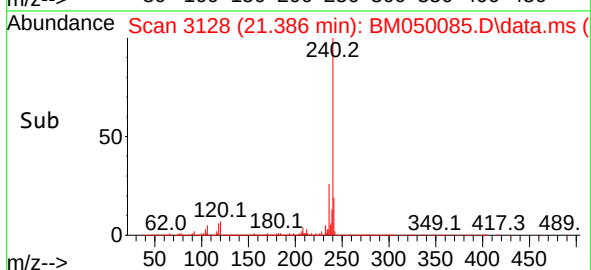
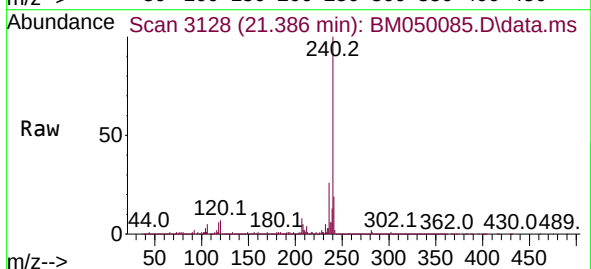
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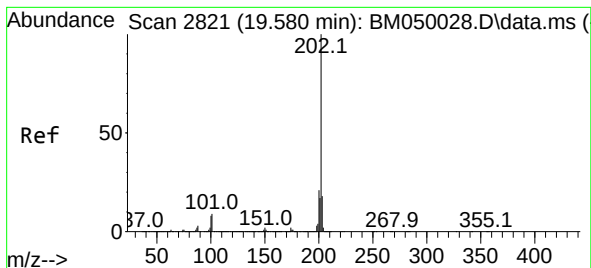
Tgt Ion:202 Resp: 736705
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.0
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

Tgt Ion:240 Resp: 2196376
Ion Ratio Lower Upper
240 100
120 7.4 6.5 9.7
236 25.6 20.9 31.3





#78

Pyrene

Concen: 4.492 ng

RT: 19.568 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

Instrument :

BNA_M

ClientSampleId :

SS-9

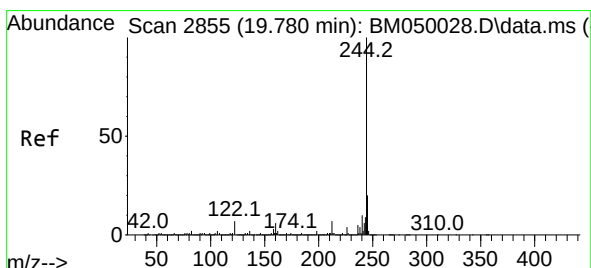
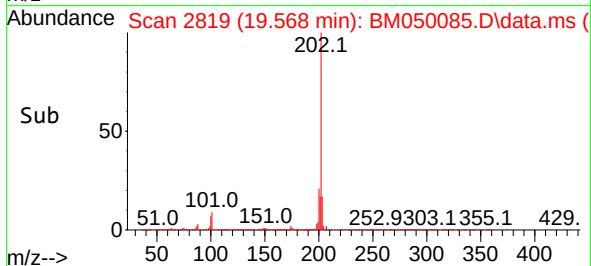
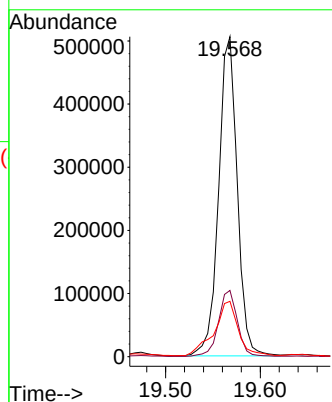
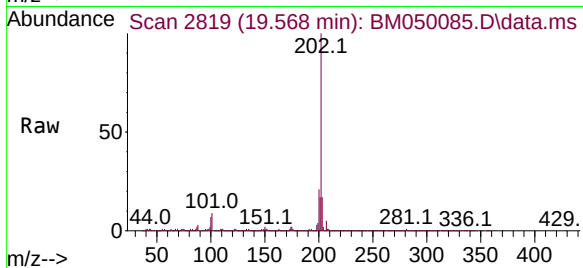
Tgt Ion:202 Resp: 692886

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.3 14.1 21.1



#79

Terphenyl-d14

Concen: 40.194 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

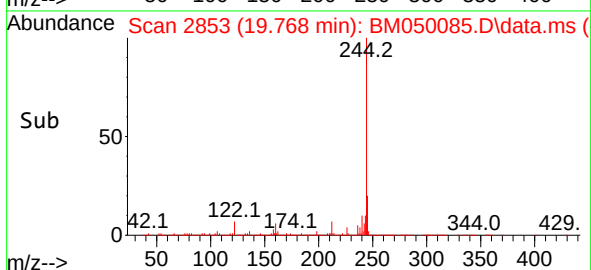
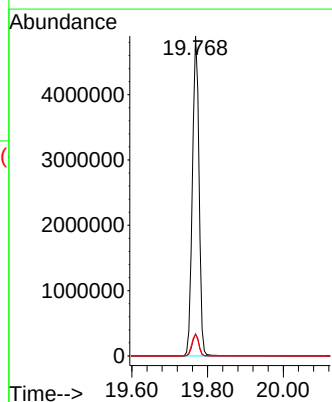
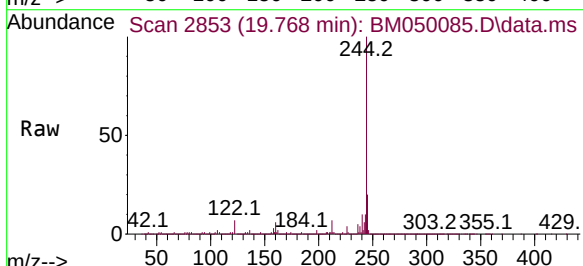
Tgt Ion:244 Resp: 5966026

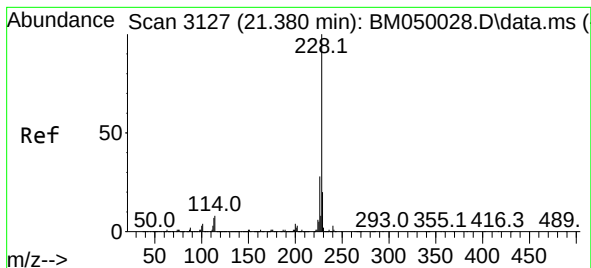
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 6.8 5.6 8.4





#81

Benzo(a)anthracene

Concen: 2.205 ng

RT: 21.368 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

Instrument :

BNA_M

ClientSampleId :

SS-9

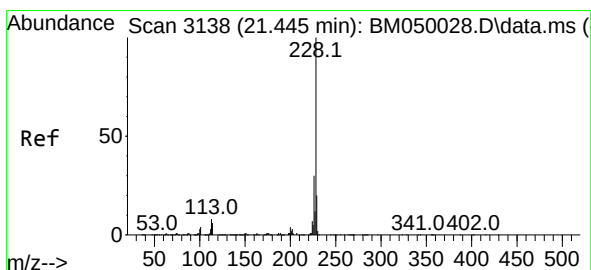
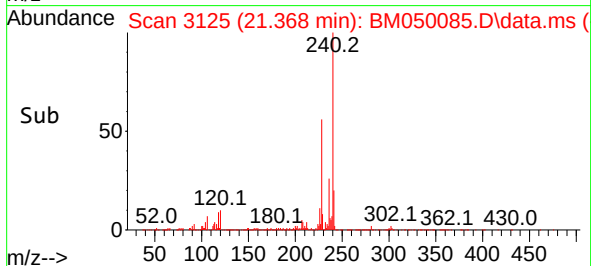
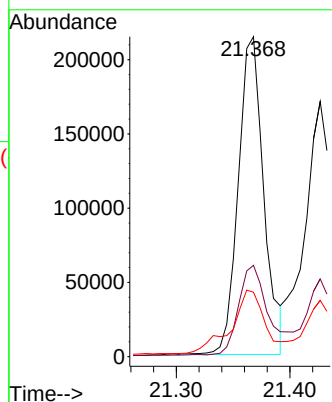
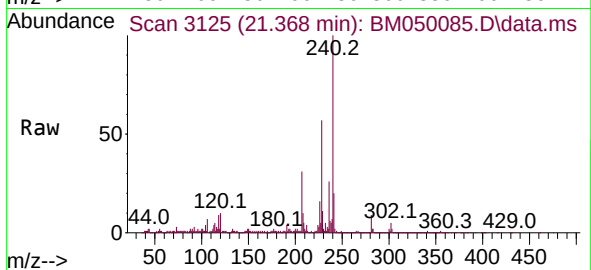
Tgt Ion:228 Resp: 333508

Ion Ratio Lower Upper

228 100

226 28.5 22.1 33.1

229 20.2 15.7 23.5



#83

Chrysene

Concen: 2.045 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050085.D

Acq: 02 May 2025 14:39

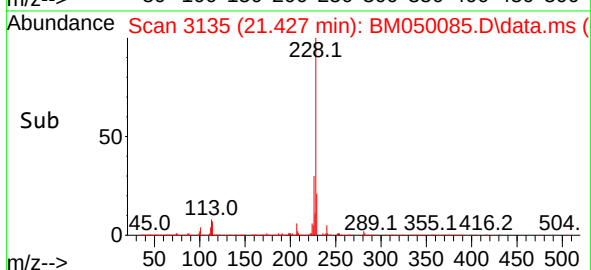
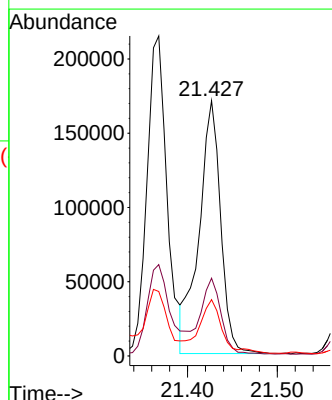
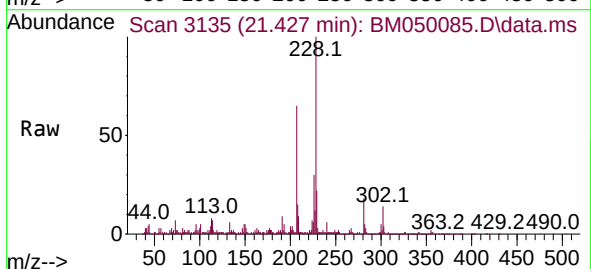
Tgt Ion:228 Resp: 286319

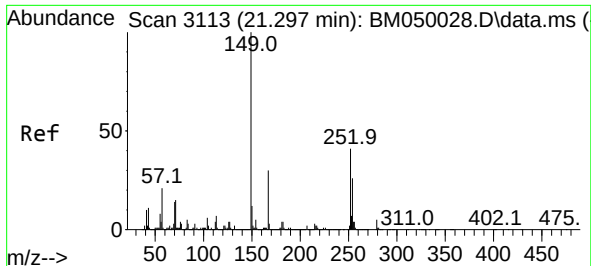
Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

229 22.1 15.7 23.5

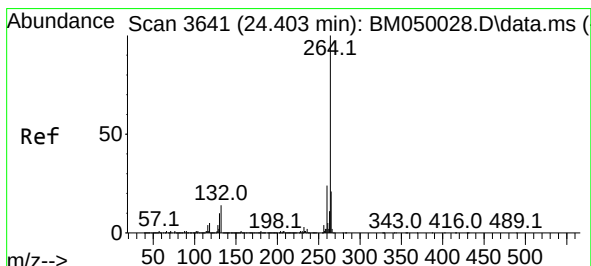
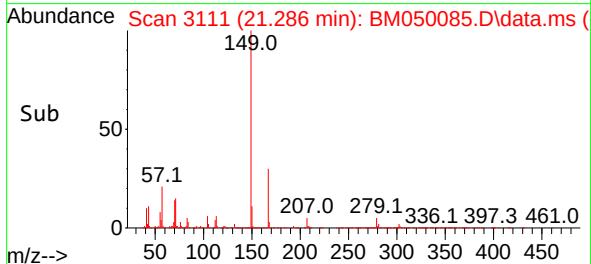
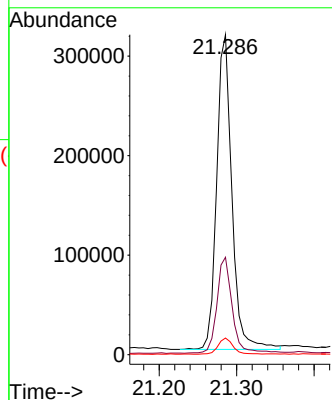
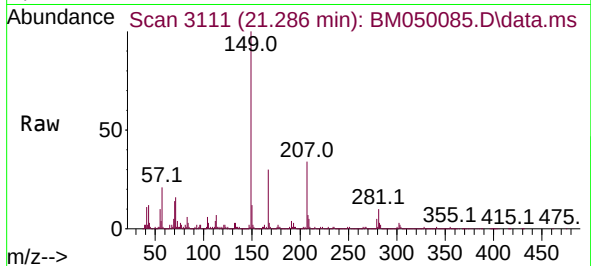




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.013 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

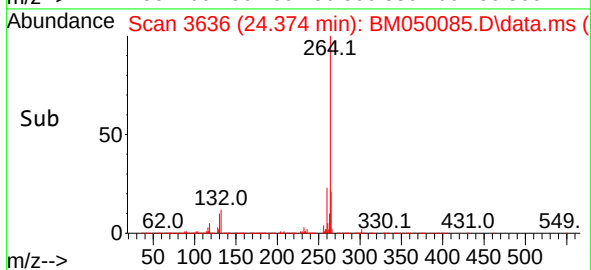
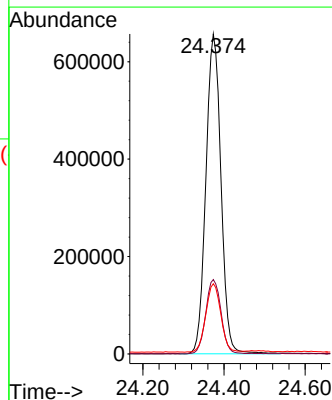
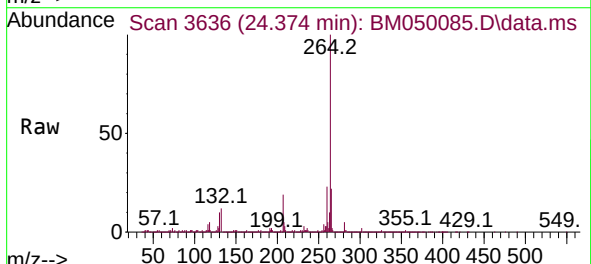
Instrument :
BNA_M
ClientSampleId :
SS-9

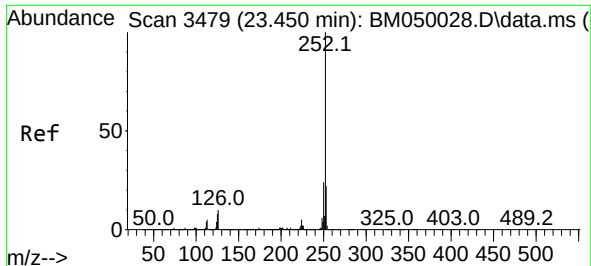
Tgt Ion:149 Resp: 432537
Ion Ratio Lower Upper
149 100
167 30.4 24.1 36.1
279 5.2 3.9 5.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.030 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

Tgt Ion:264 Resp: 1687114
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.0 17.0 25.4

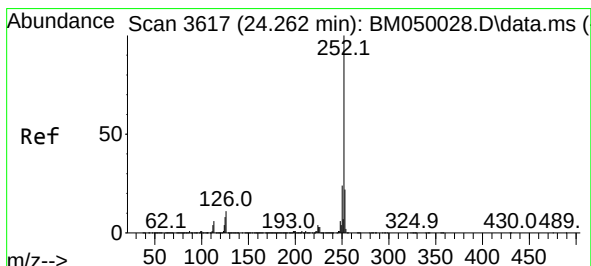
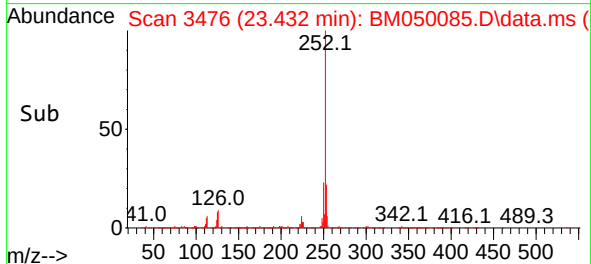
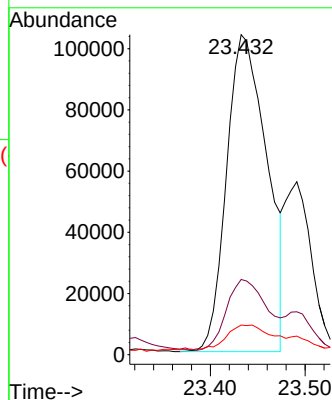
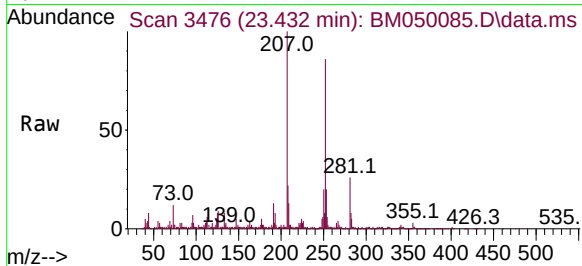




#88
Benzo(b)fluoranthene
Concen: 2.802 ng
RT: 23.432 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

Instrument :
BNA_M
ClientSampleId :
SS-9

Tgt Ion:252 Resp: 307417
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 9.2 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 2.115 ng
RT: 24.232 min Scan# 3612
Delta R.T. -0.030 min
Lab File: BM050085.D
Acq: 02 May 2025 14:39

Tgt Ion:252 Resp: 217336
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 9.3 6.6 9.8

