

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047337.D
 Acq On : 23 Aug 2024 17:27
 Operator : RC/JU
 Sample : P3698-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-8-21-2024

Quant Time: Aug 23 18:09:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

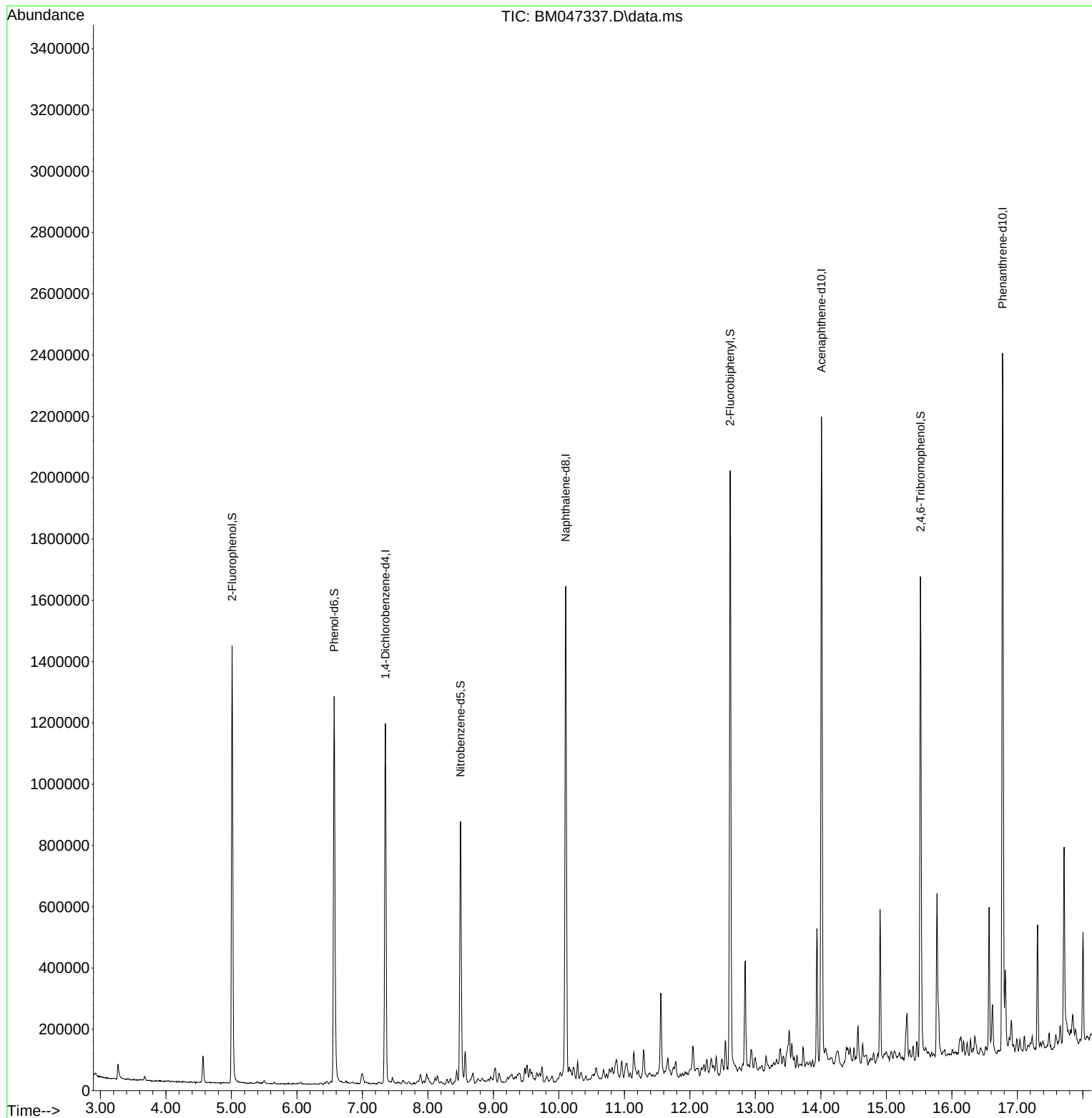
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	325935	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1171996	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	747085	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1470486	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1013640	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1092958	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	626127	34.326	ng	-0.01
7) Phenol-d6	6.569	99	786696	31.300	ng	-0.02
23) Nitrobenzene-d5	8.498	82	495964	21.308	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	302661	34.939	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1118911	23.102	ng	-0.03
79) Terphenyl-d14	19.445	244	1354151	28.626	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	1810	Below Cal	#	69
75) Fluoranthene	18.850	202	336641	3.750	ng	99
78) Pyrene	19.221	202	301119	4.160	ng	98
81) Benzo(a)anthracene	20.997	228	135233	2.010	ng	95
83) Chrysene	21.056	228	129792	2.033	ng	97
88) Benzo(b)fluoranthene	22.868	252	166413	2.564	ng	# 89
89) Benzo(k)fluoranthene	22.868	252	166413	2.714	ng	# 88
90) Benzo(a)pyrene	23.580	252	123198	2.191	ng	# 93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047337.D
Acq On : 23 Aug 2024 17:27
Operator : RC/JU
Sample : P3698-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

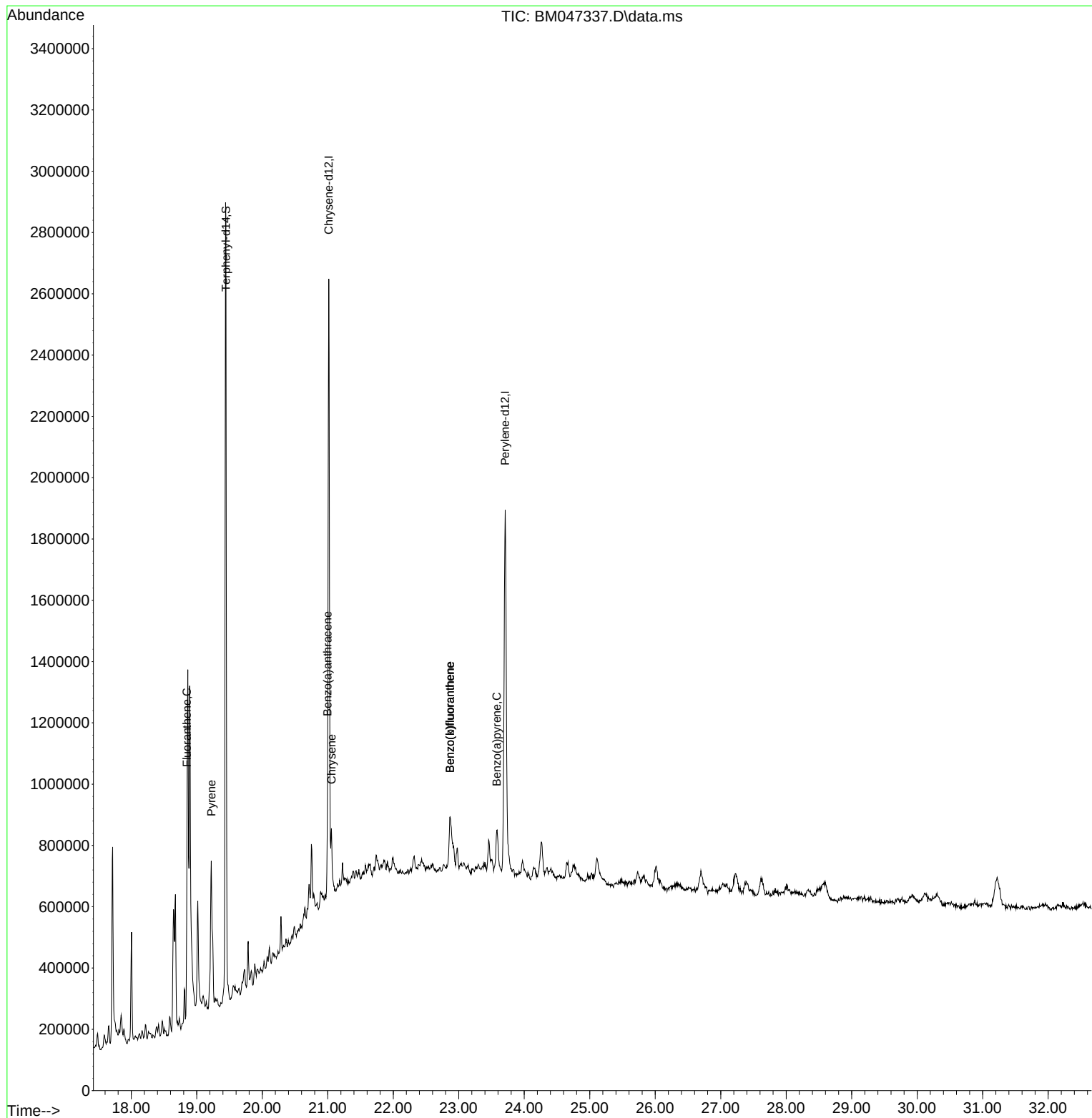
Quant Time: Aug 23 18:09:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

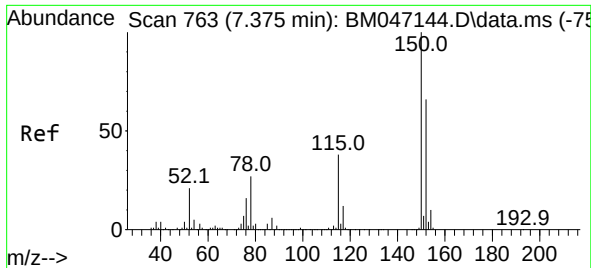


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047337.D
Acq On : 23 Aug 2024 17:27
Operator : RC/JU
Sample : P3698-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

Quant Time: Aug 23 18:09:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

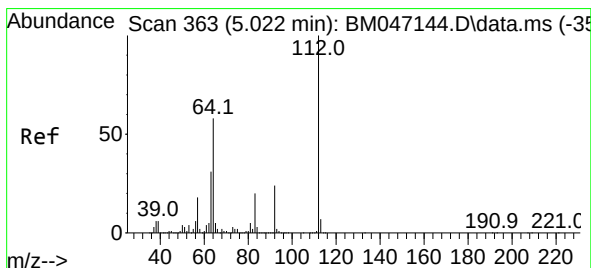
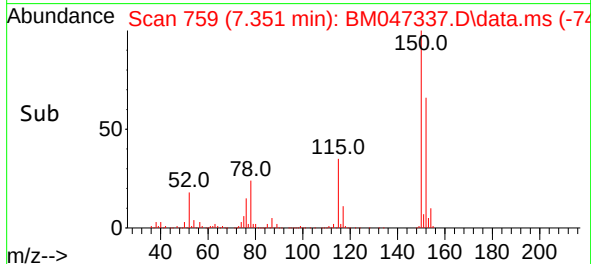
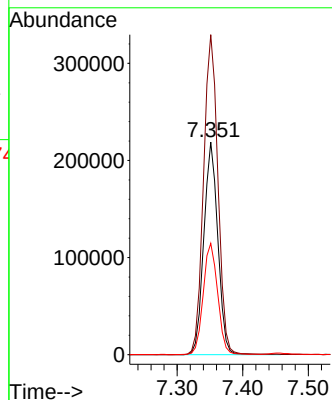
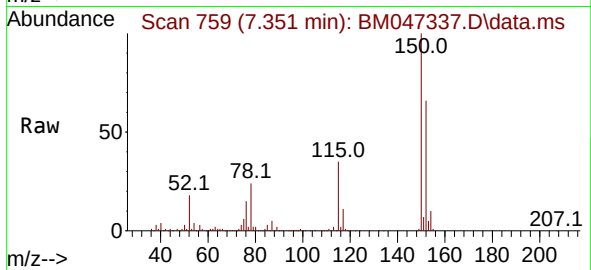




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

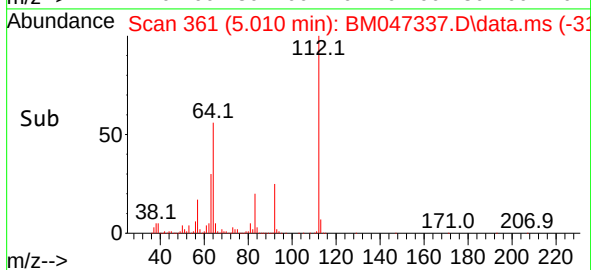
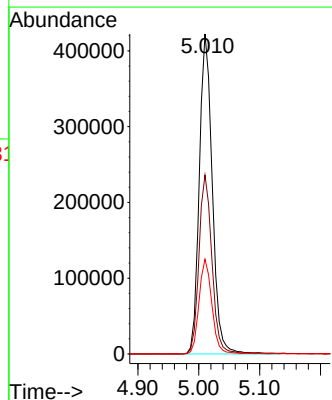
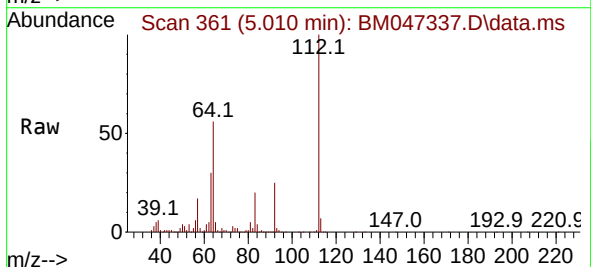
Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

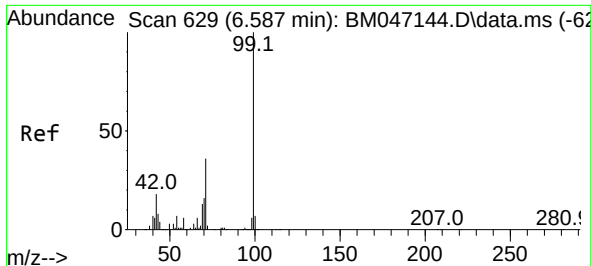
Tgt Ion:152 Resp: 325935
Ion Ratio Lower Upper
152 100
150 150.5 120.5 180.7
115 52.3 45.5 68.3



#5
2-Fluorophenol
Concen: 34.326 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

Tgt Ion:112 Resp: 626127
Ion Ratio Lower Upper
112 100
64 55.9 46.7 70.1
63 29.6 24.8 37.2

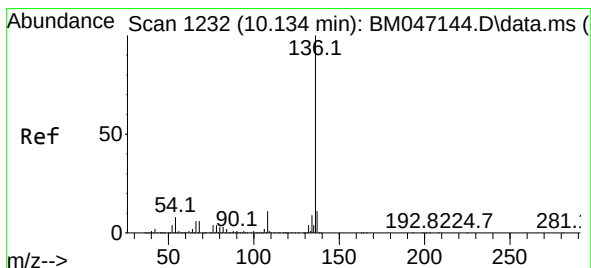
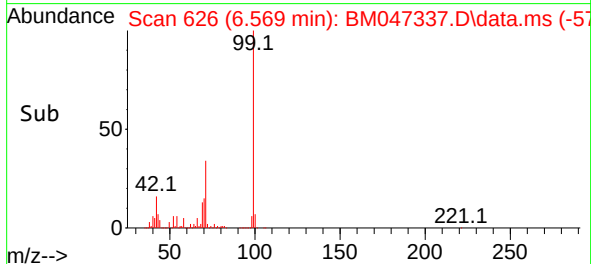
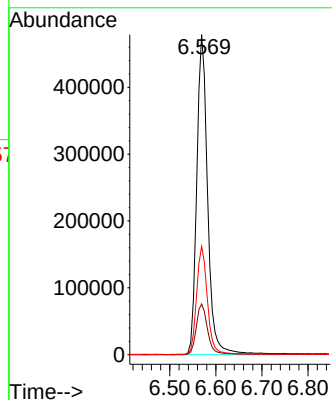
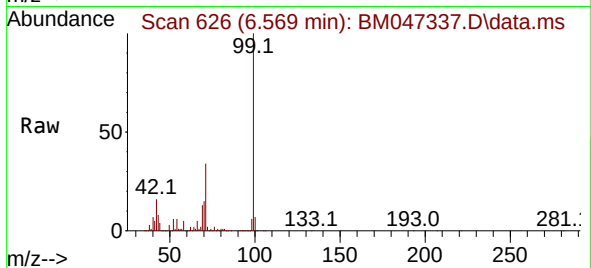




#7
Phenol-d6
Concen: 31.300 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

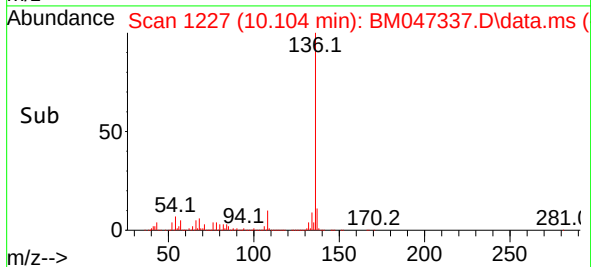
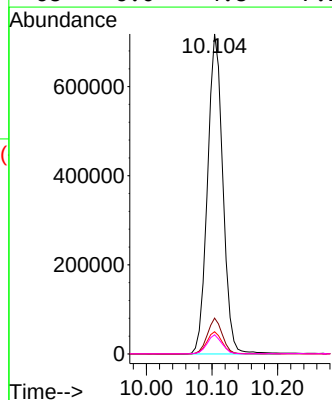
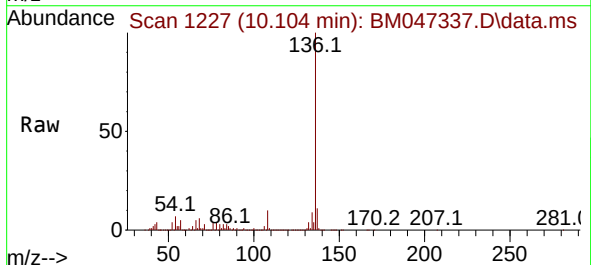
Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

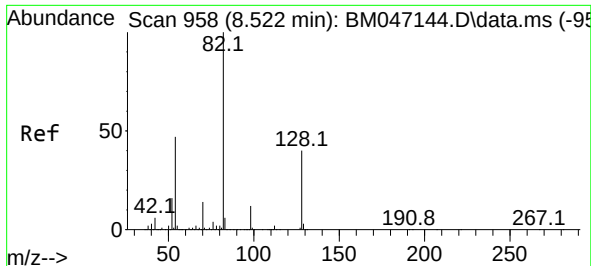
Tgt Ion: 99 Resp: 786696
Ion Ratio Lower Upper
99 100
42 15.9 14.1 21.1
71 33.9 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

Tgt Ion: 136 Resp: 1171996
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 6.0 9.0
68 6.0 4.8 7.2

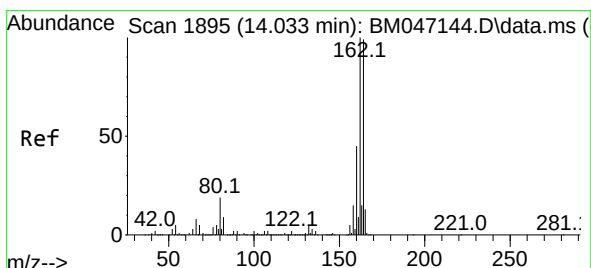
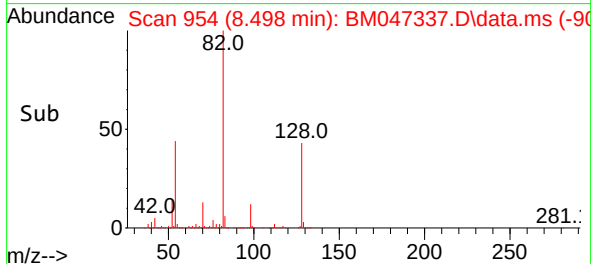
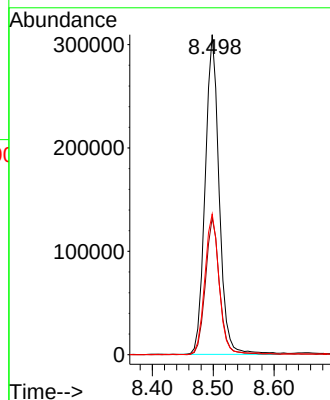
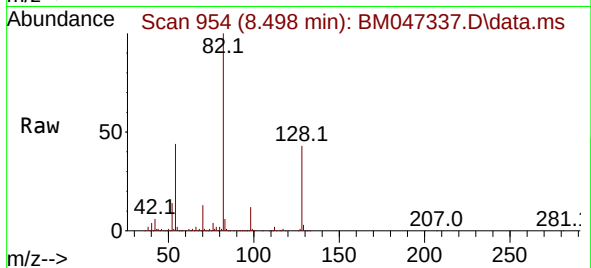




#23
Nitrobenzene-d5
Concen: 21.308 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

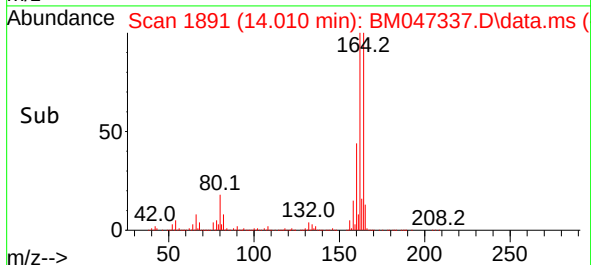
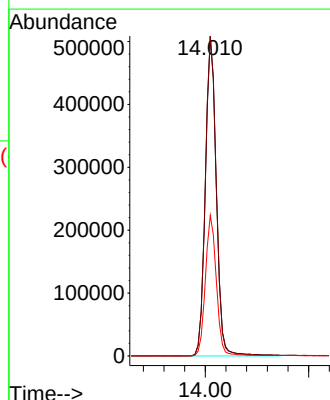
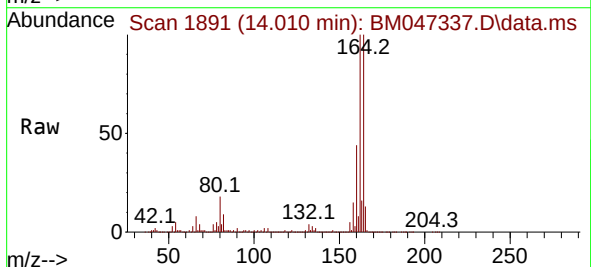
Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

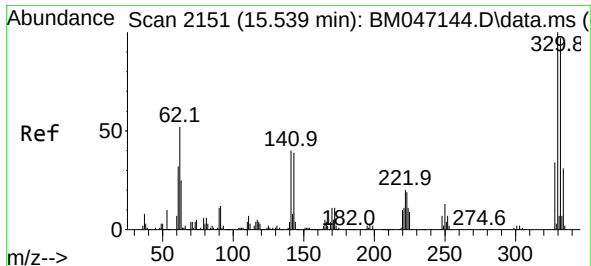
Tgt Ion: 82 Resp: 495964
Ion Ratio Lower Upper
82 100
128 42.8 32.3 48.5
54 43.9 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

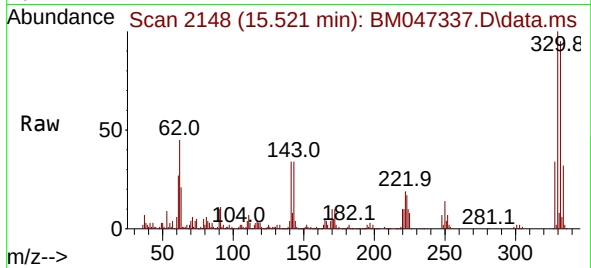
Tgt Ion: 164 Resp: 747085
Ion Ratio Lower Upper
164 100
162 100.2 80.7 121.1
160 44.0 36.0 54.0



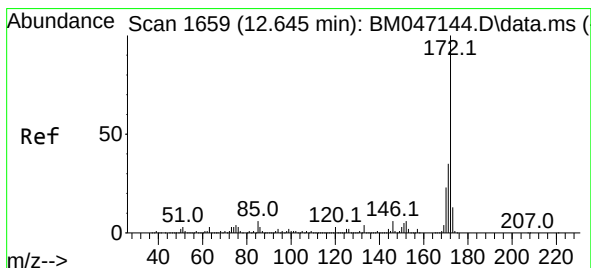
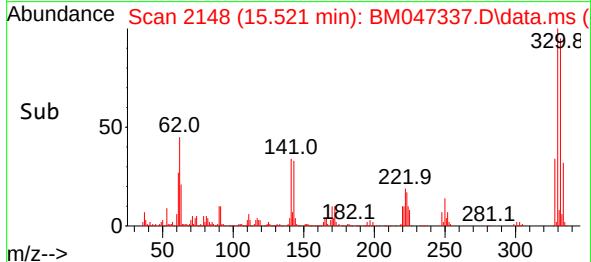
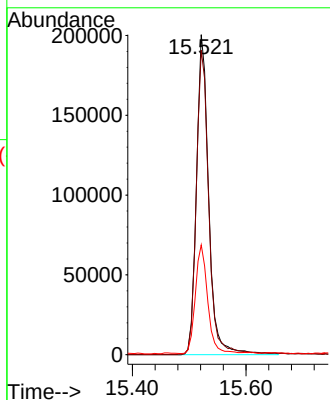


#42
2,4,6-Tribromophenol
Concen: 34.939 ng
RT: 15.521 min Scan# 2151
Delta R.T. -0.018 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

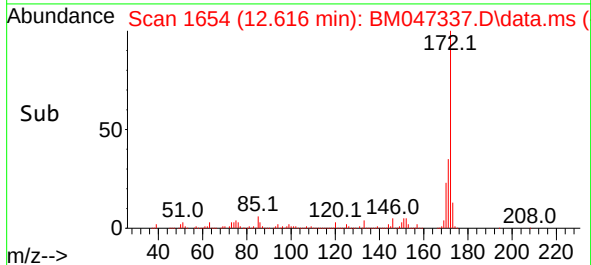
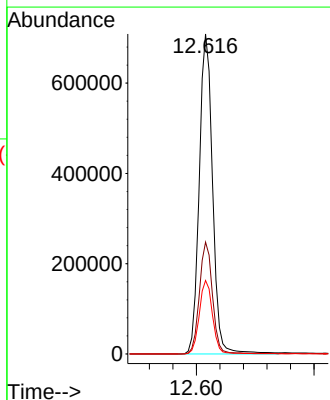
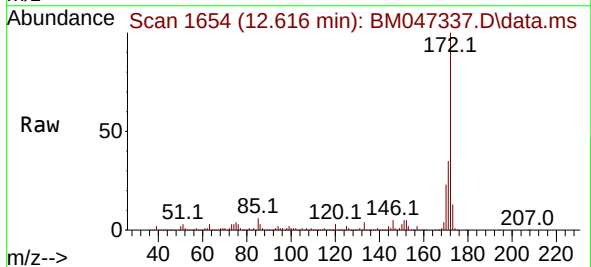


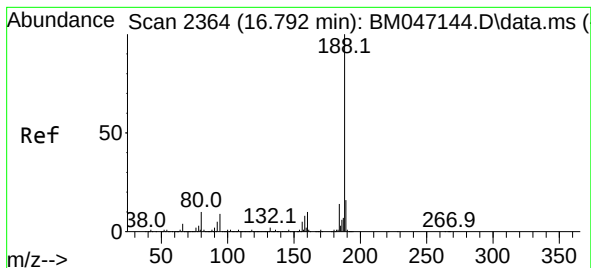
Tgt Ion:330 Resp: 302661
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 33.9 31.6 47.4



#45
2-Fluorobiphenyl
Concen: 23.102 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

Tgt Ion:172 Resp: 1118911
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.0 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047337.D

Acq: 23 Aug 2024 17:27

Instrument :

BNA_M

ClientSampleId :

HD-01-8-21-2024

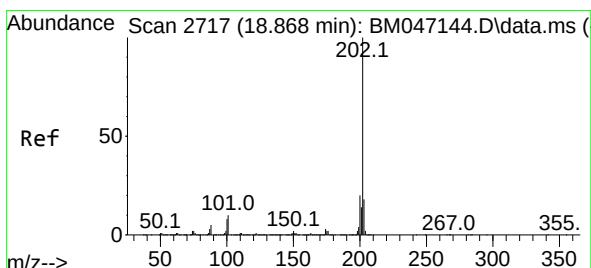
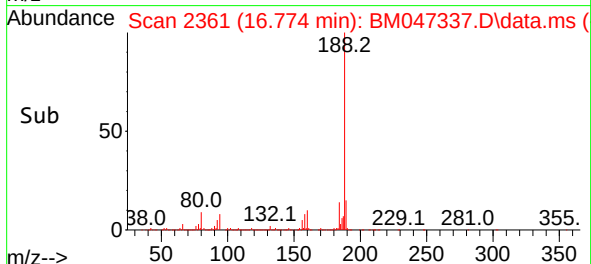
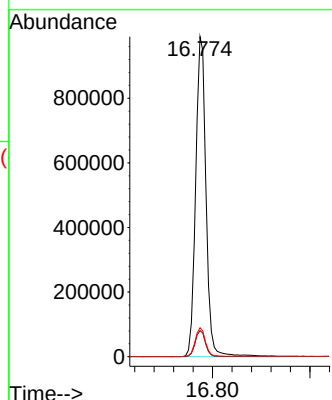
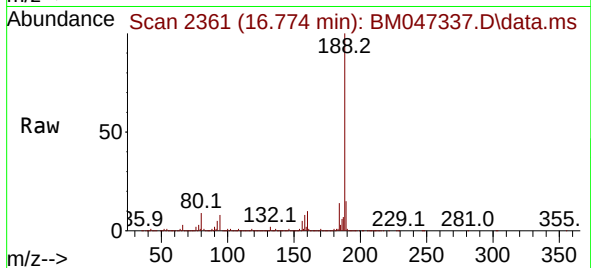
Tgt Ion:188 Resp: 1470486

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

80 9.0 8.0 12.0



#75

Fluoranthene

Concen: 3.750 ng

RT: 18.850 min Scan# 2714

Delta R.T. -0.018 min

Lab File: BM047337.D

Acq: 23 Aug 2024 17:27

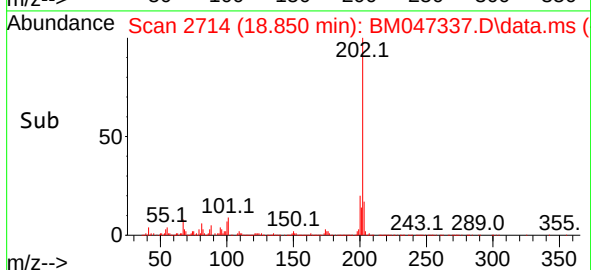
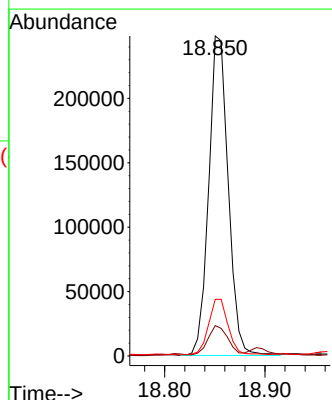
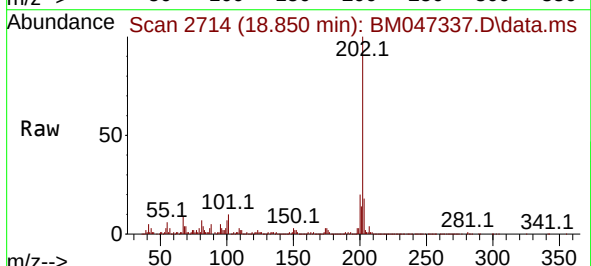
Tgt Ion:202 Resp: 336641

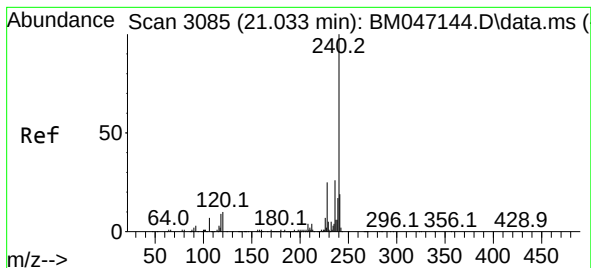
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.2

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047337.D

Acq: 23 Aug 2024 17:27

Instrument :

BNA_M

ClientSampleId :

HD-01-8-21-2024

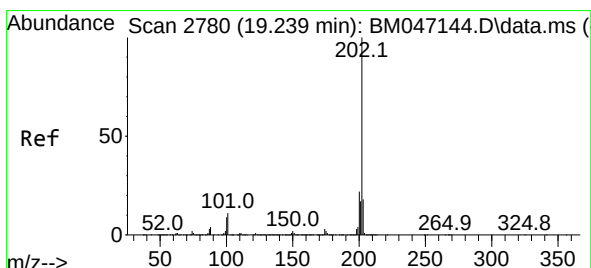
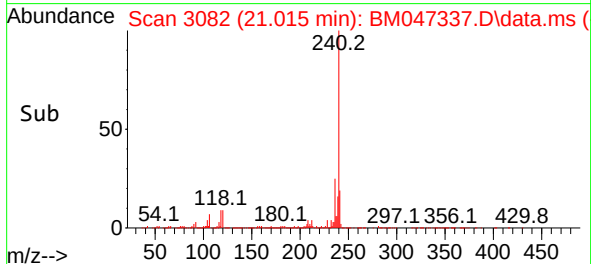
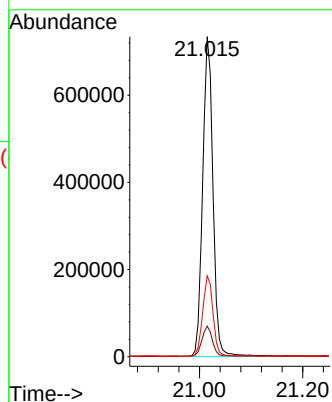
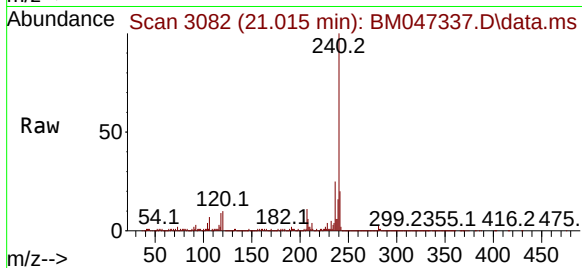
Tgt Ion:240 Resp: 1013640

Ion Ratio Lower Upper

240 100

120 9.6 8.2 12.2

236 25.2 20.6 30.8



#78

Pyrene

Concen: 4.160 ng

RT: 19.221 min Scan# 2777

Delta R.T. -0.018 min

Lab File: BM047337.D

Acq: 23 Aug 2024 17:27

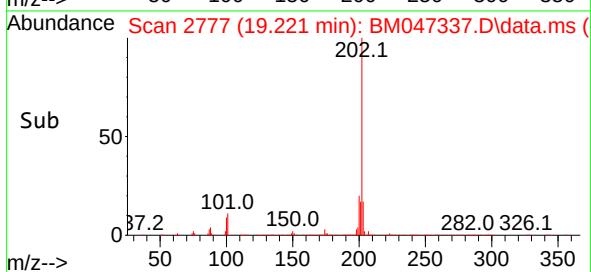
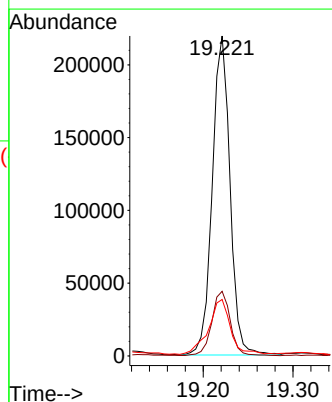
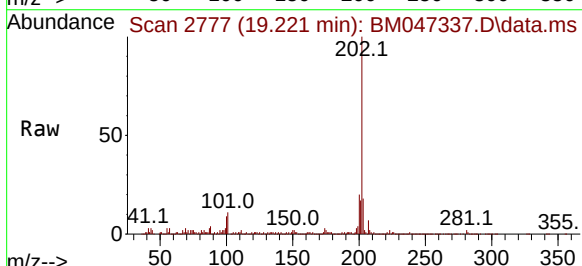
Tgt Ion:202 Resp: 301119

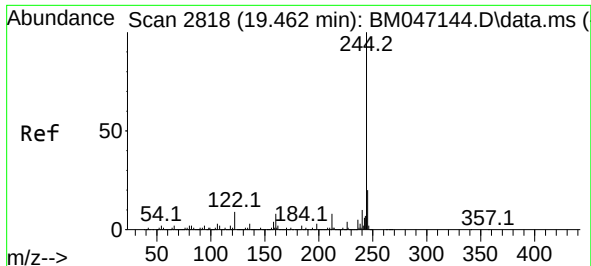
Ion Ratio Lower Upper

202 100

200 20.2 17.2 25.8

203 17.7 14.2 21.2

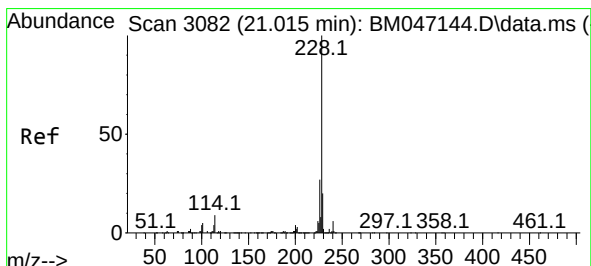
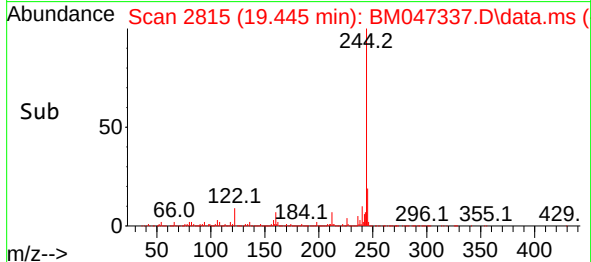
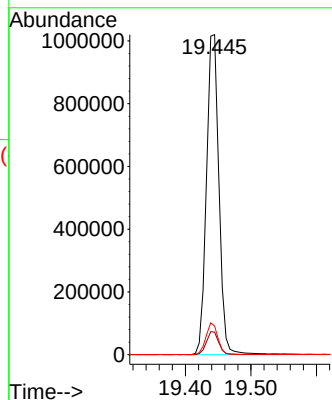
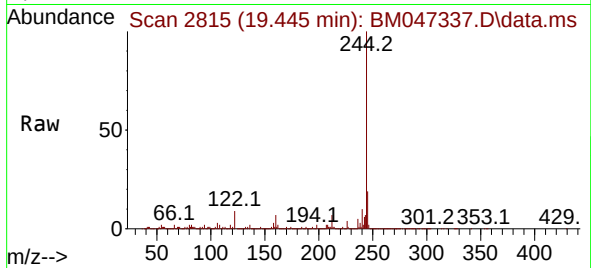




#79
 Terphenyl-d14
 Concen: 28.626 ng
 RT: 19.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047337.D
 Acq: 23 Aug 2024 17:27

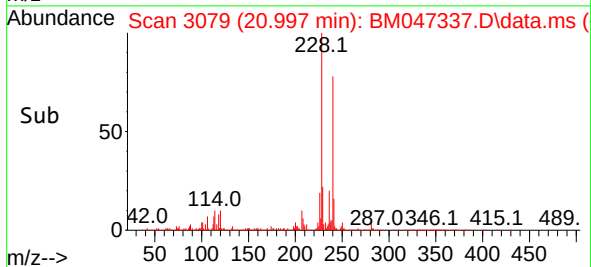
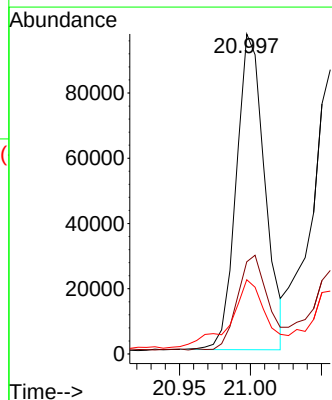
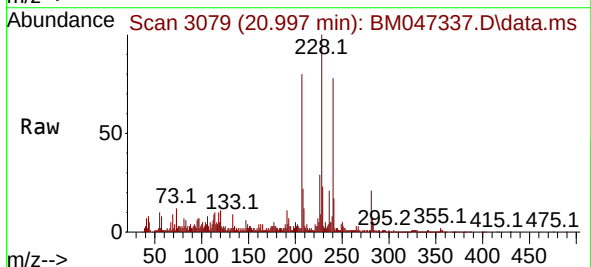
Instrument :
 BNA_M
 ClientSampleId :
 HD-01-8-21-2024

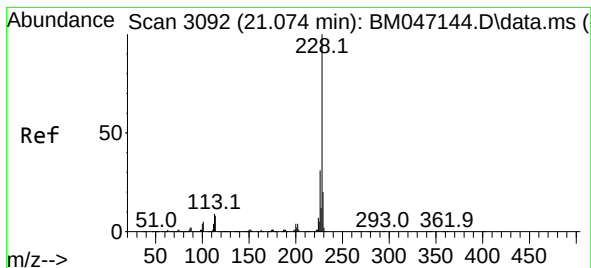
Tgt Ion:244 Resp: 1354151
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 9.0 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 2.010 ng
 RT: 20.997 min Scan# 3079
 Delta R.T. -0.018 min
 Lab File: BM047337.D
 Acq: 23 Aug 2024 17:27

Tgt Ion:228 Resp: 135233
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.8 32.6
 229 23.2 15.8 23.8





#83

Chrysene

Concen: 2.033 ng

RT: 21.056 min Scan# 3092

Delta R.T. -0.018 min

Lab File: BM047337.D

Acq: 23 Aug 2024 17:27

Instrument :

BNA_M

ClientSampleId :

HD-01-8-21-2024

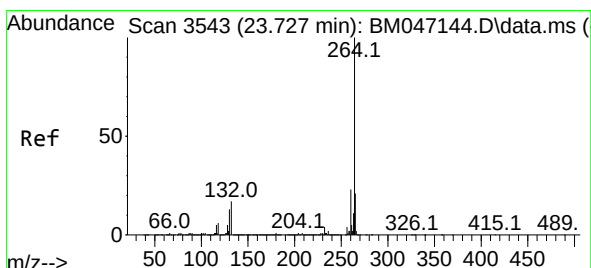
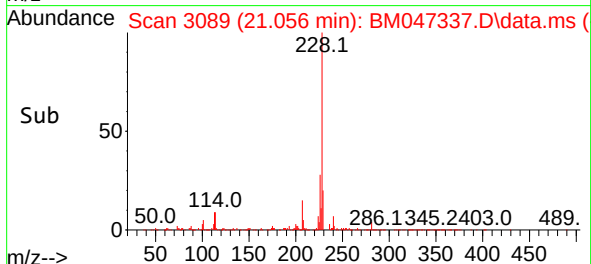
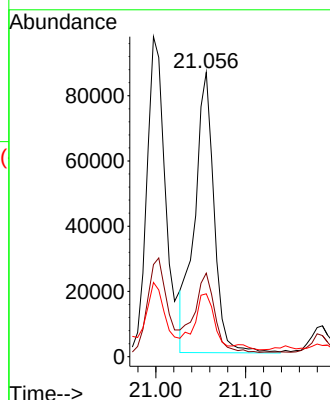
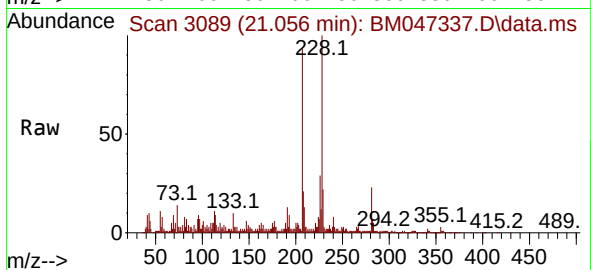
Tgt Ion:228 Resp: 129792

Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 22.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.709 min Scan# 3540

Delta R.T. -0.018 min

Lab File: BM047337.D

Acq: 23 Aug 2024 17:27

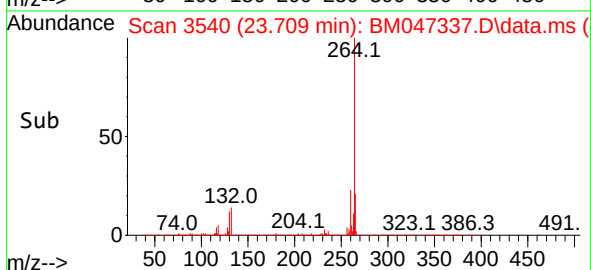
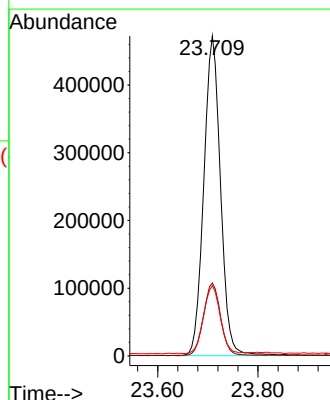
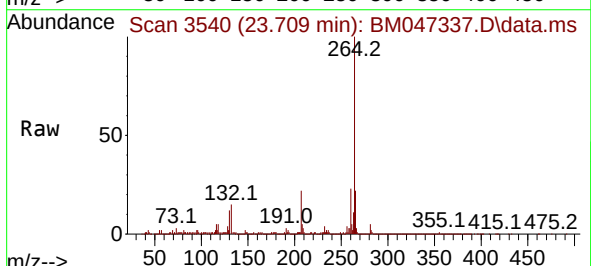
Tgt Ion:264 Resp: 1092958

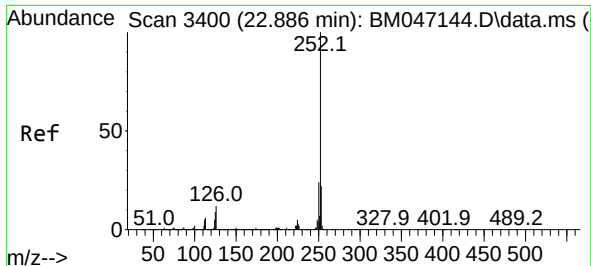
Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.9 17.3 25.9

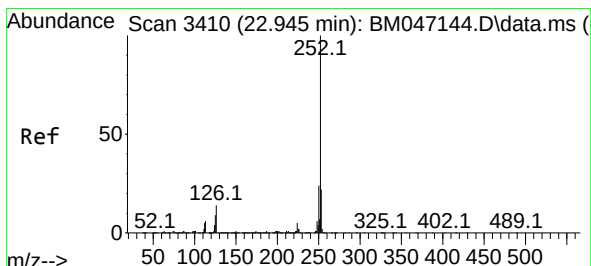
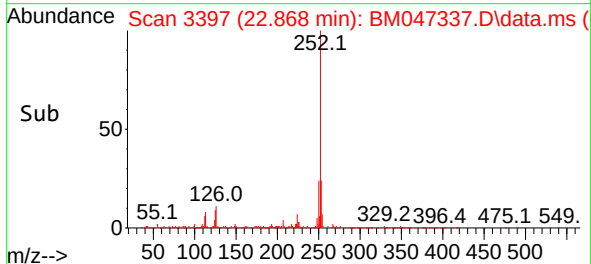
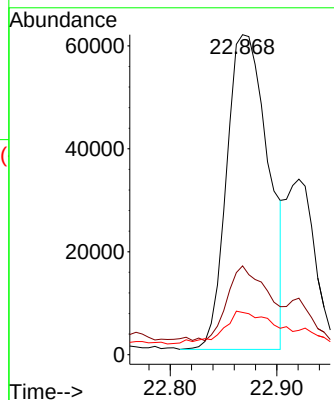
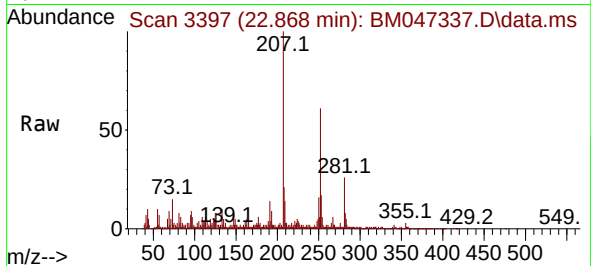




#88
Benzo(b)fluoranthene
Concen: 2.564 ng
RT: 22.868 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

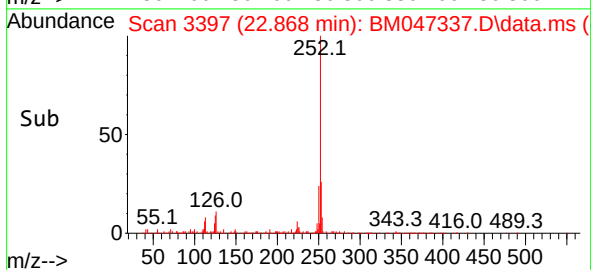
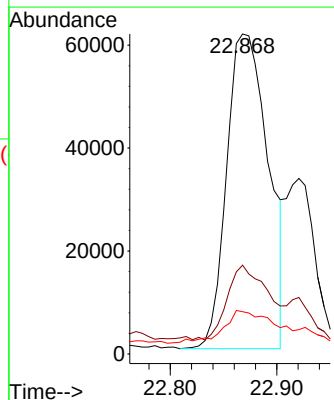
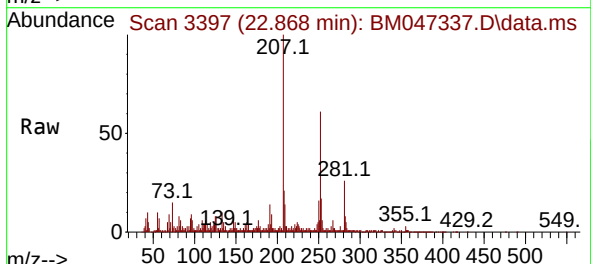
Instrument :
BNA_M
ClientSampleId :
HD-01-8-21-2024

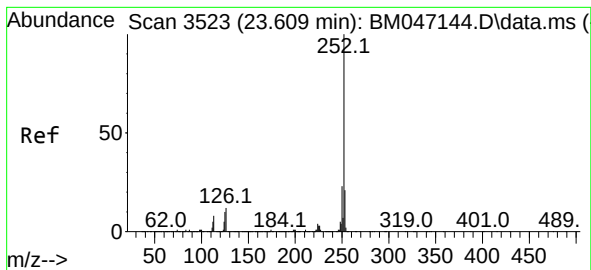
Tgt Ion:252 Resp: 166413
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.6#
125 13.2 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.714 ng
RT: 22.868 min Scan# 3397
Delta R.T. -0.077 min
Lab File: BM047337.D
Acq: 23 Aug 2024 17:27

Tgt Ion:252 Resp: 166413
Ion Ratio Lower Upper
252 100
253 27.8 17.7 26.5#
125 13.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.191 ng

RT: 23.580 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM047337.D

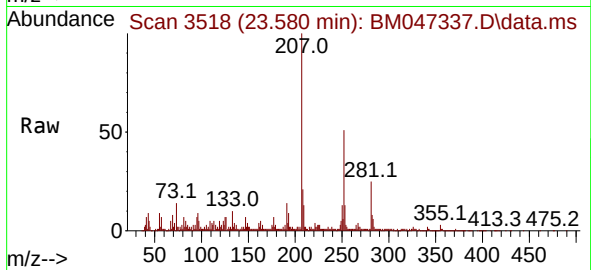
Acq: 23 Aug 2024 17:27

Instrument :

BNA_M

ClientSampleId :

HD-01-8-21-2024



Tgt Ion:252 Resp: 123198

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 13.2 8.2 12.2#

