

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042570.D
 Acq On : 03 Nov 2023 14:59
 Operator : MA/JU
 Sample : 05141-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PE-1D

Quant Time: Nov 03 22:38:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

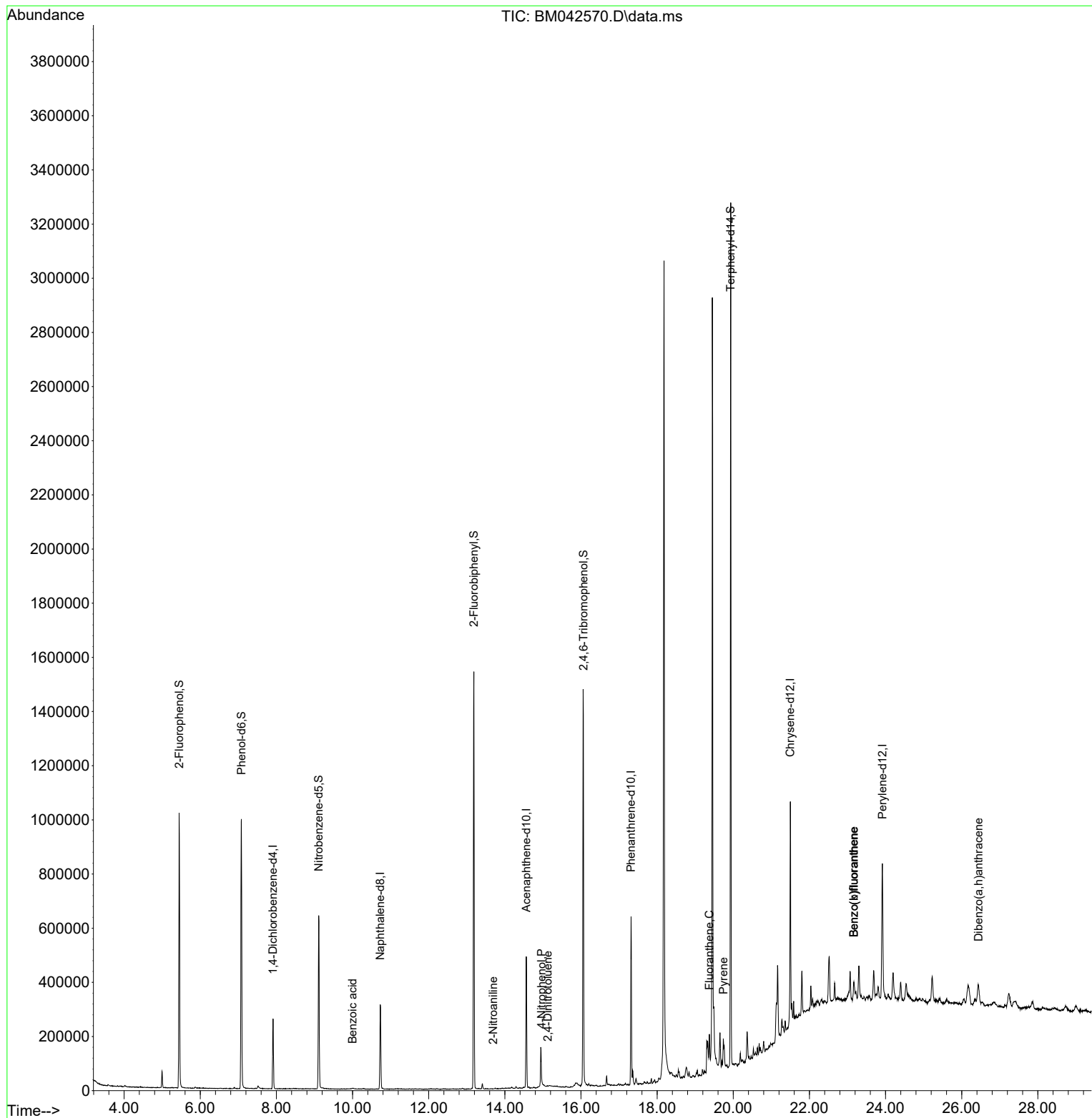
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	58949	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	225876	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	143112	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	328248	20.000	ng	0.00
76) Chrysene-d12	21.497	240	352321	20.000	ng	0.00
86) Perylene-d12	23.915	264	373292	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	359126	98.320	ng	0.00
7) Phenol-d6	7.081	99	480771	95.973	ng	0.00
23) Nitrobenzene-d5	9.110	82	339141	69.992	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	223056	119.380	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	678864	63.830	ng	0.00
79) Terphenyl-d14	19.933	244	1272698	61.251	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.998	122	764	4.373	ng	91
48) 2-Nitroaniline	13.692	65	67	4.369	ng	# 13
56) 4-Nitrophenol	14.962	139	548	7.203	ng	# 39
57) 2,4-Dinitrotoluene	15.127	165	237	4.036	ng	# 5
75) Fluoranthene	19.374	202	62637	3.108	ng	97
78) Pyrene	19.739	202	59766	2.470	ng	98
88) Benzo(b)fluoranthene	23.168	252	51069	2.456	ng	# 89
89) Benzo(k)fluoranthene	23.168	252	51069	2.204	ng	# 90
91) Dibenzo(a,h)anthracene	26.444	278	6810	4.441	ng	# 59

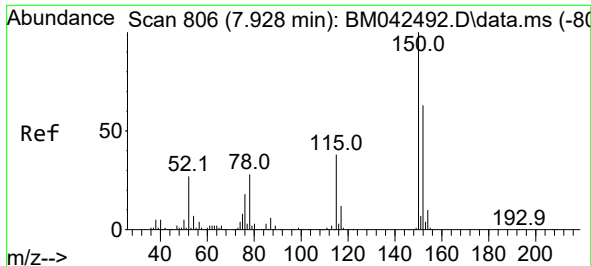
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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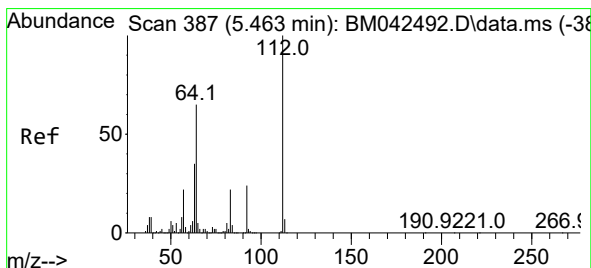
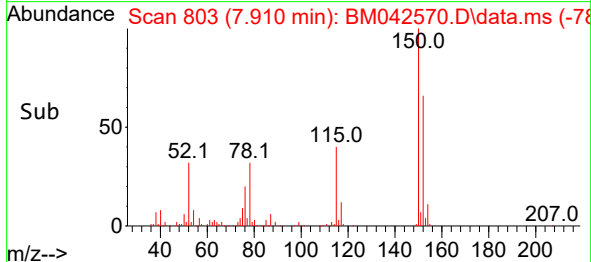
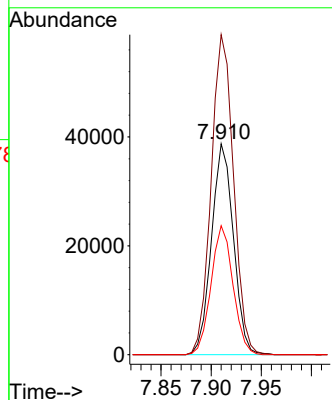
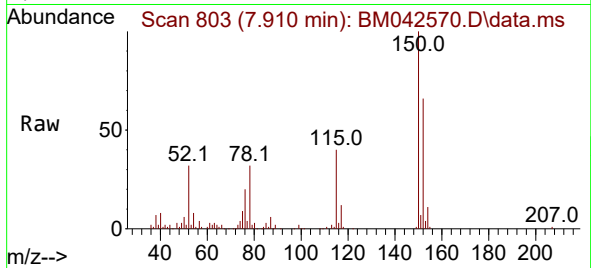




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

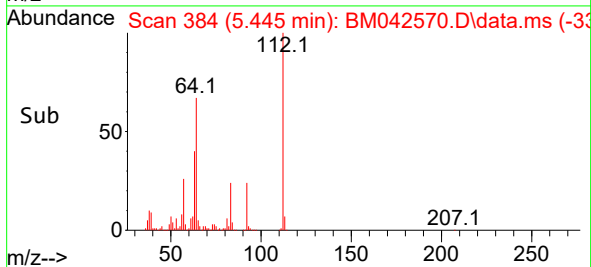
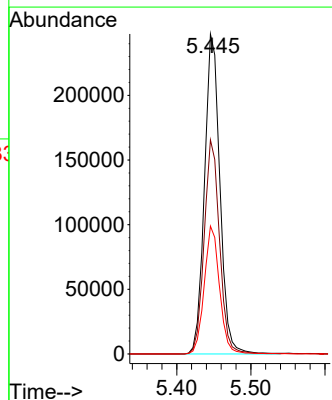
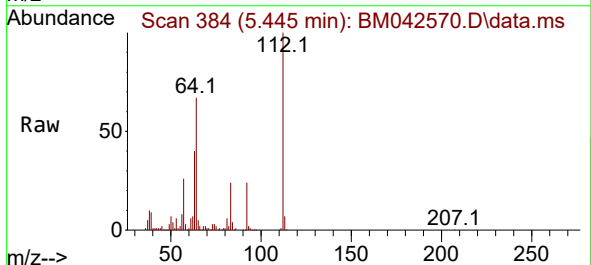
Instrument :
BNA_M
ClientSampleId :
PE-1D

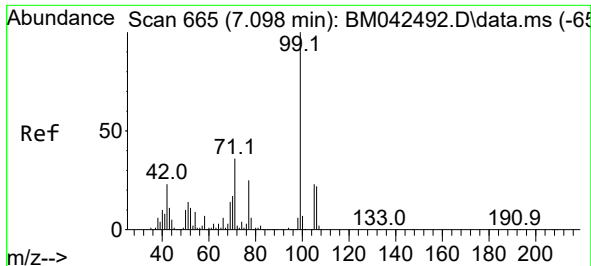
Tgt Ion:152 Resp: 58949
Ion Ratio Lower Upper
152 100
150 151.7 127.4 191.0
115 61.1 47.9 71.9



#5
2-Fluorophenol
Concen: 98.320 ng
RT: 5.445 min Scan# 384
Delta R.T. 0.005 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

Tgt Ion:112 Resp: 359126
Ion Ratio Lower Upper
112 100
64 66.9 52.1 78.1
63 39.9 28.3 42.5

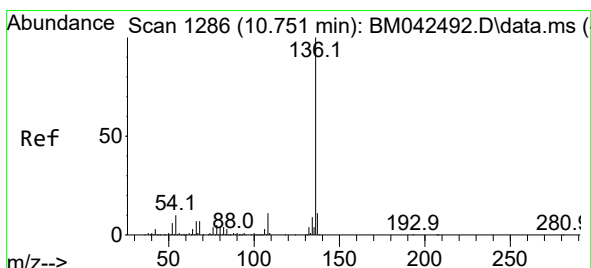
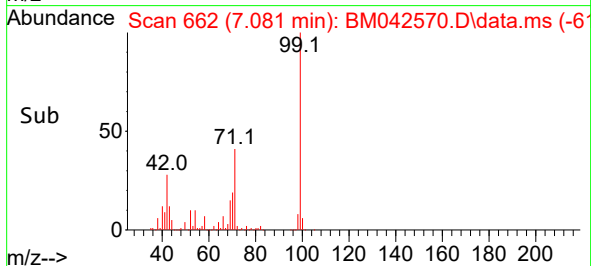
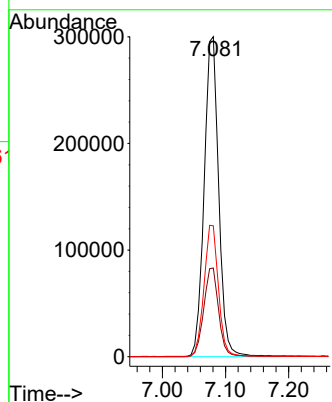
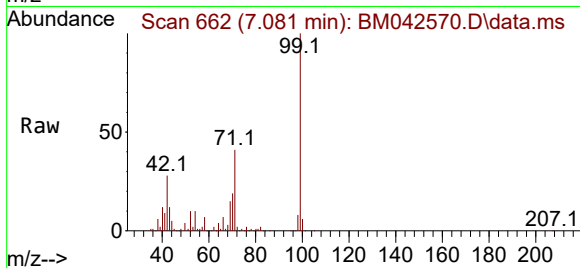




#7
Phenol-d6
Concen: 95.973 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.005 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

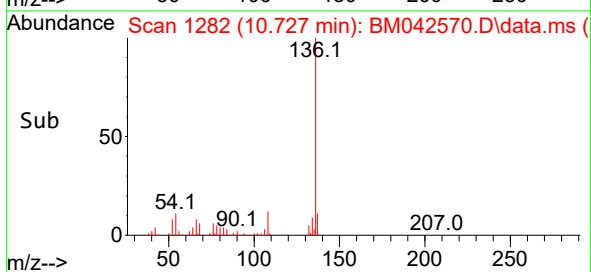
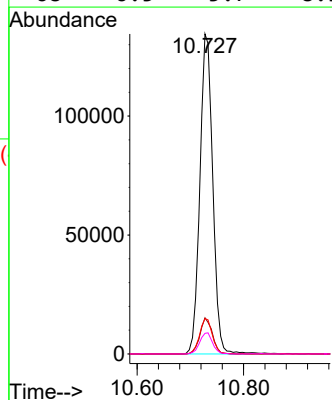
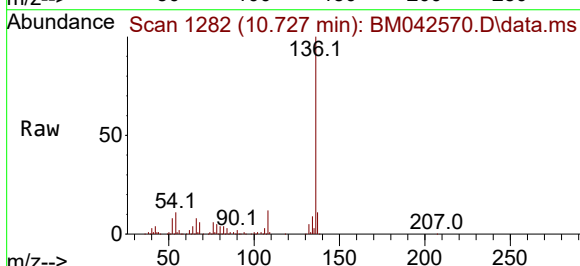
Instrument :
BNA_M
ClientSampleId :
PE-1D

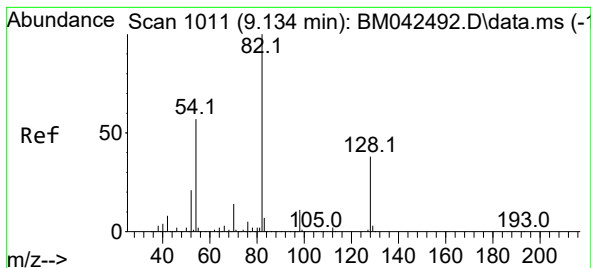
Tgt Ion: 99 Resp: 480771
Ion Ratio Lower Upper
99 100
42 27.7 18.7 28.1
71 40.9 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1282
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

Tgt Ion:136 Resp: 225876
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 11.0 8.0 12.0
68 6.5 5.7 8.5





#23

Nitrobenzene-d5

Concen: 69.992 ng

RT: 9.110 min Scan# 1107

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

Instrument :

BNA_M

ClientSampleId :

PE-1D

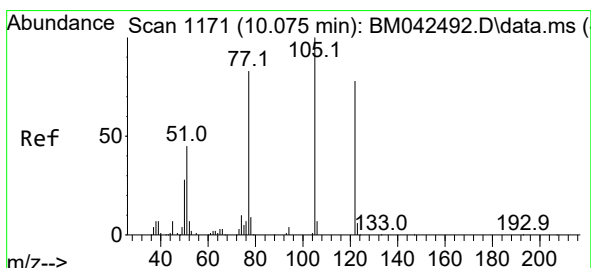
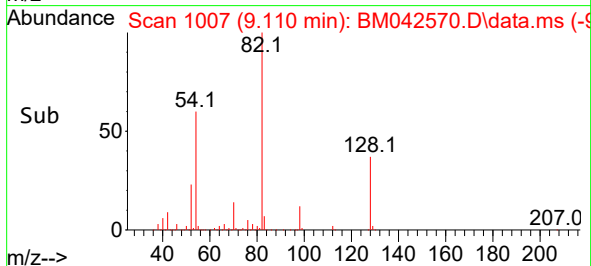
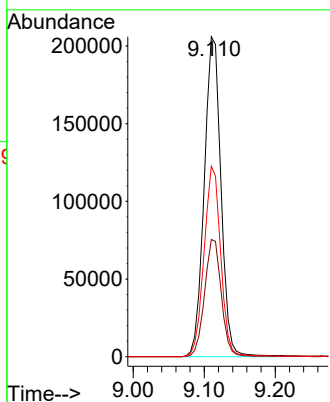
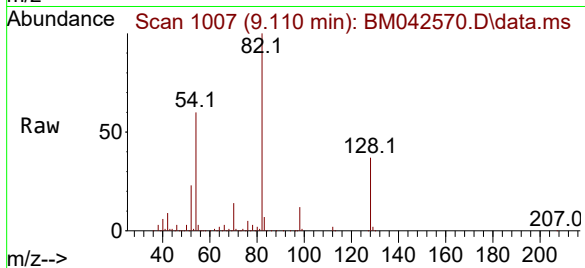
Tgt Ion: 82 Resp: 339141

Ion Ratio Lower Upper

82 100

128 36.6 30.7 46.1

54 59.6 45.3 67.9



#32

Benzoic acid

Concen: 4.373 ng

RT: 9.998 min Scan# 1158

Delta R.T. -0.053 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

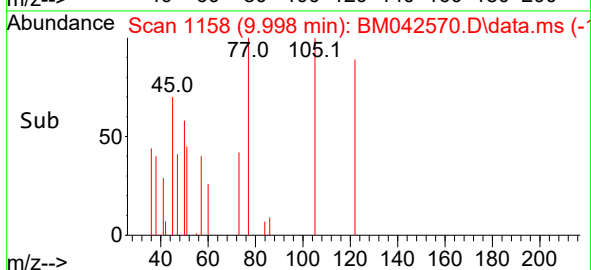
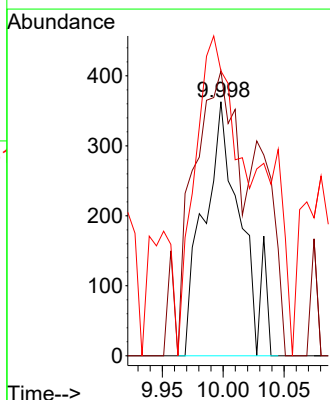
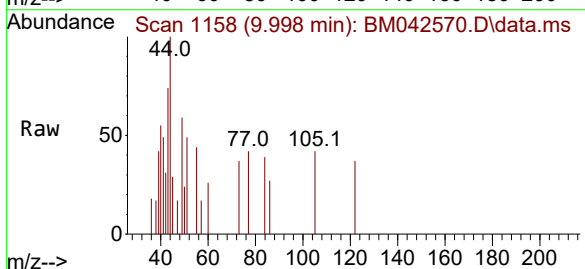
Tgt Ion: 122 Resp: 764

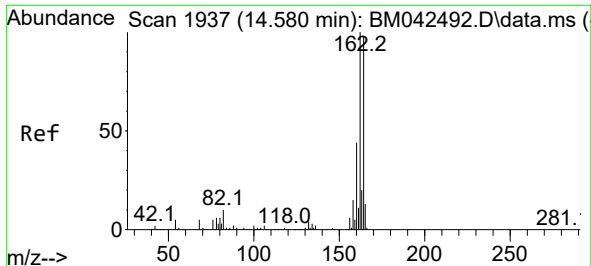
Ion Ratio Lower Upper

122 100

105 112.1 105.2 145.2

77 112.1 84.8 124.8

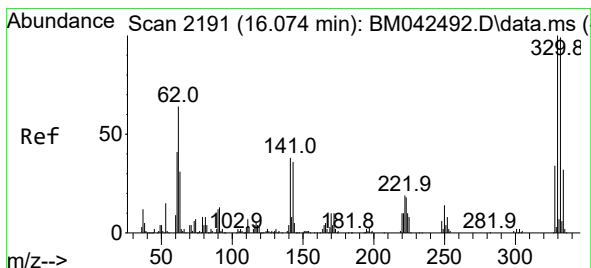
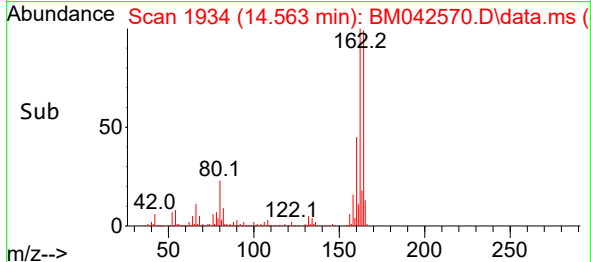
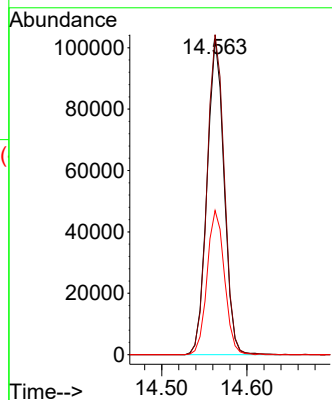
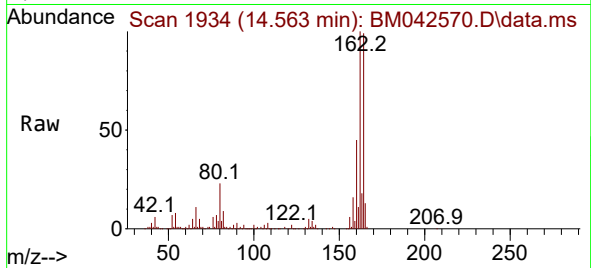




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

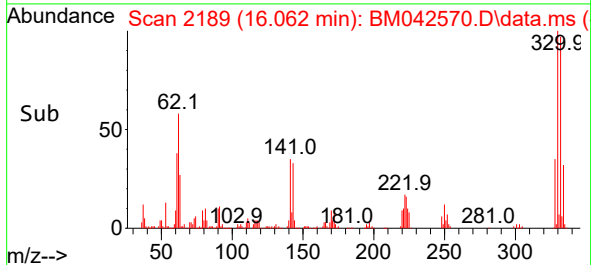
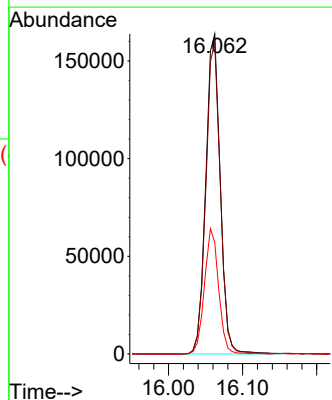
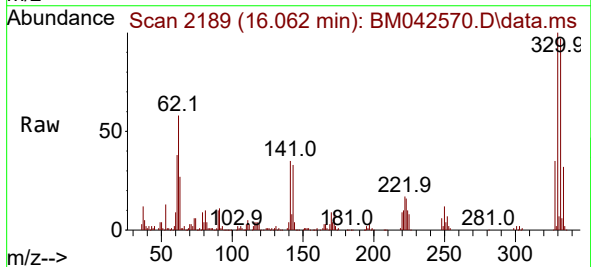
Instrument :
BNA_M
ClientSampleId :
PE-1D

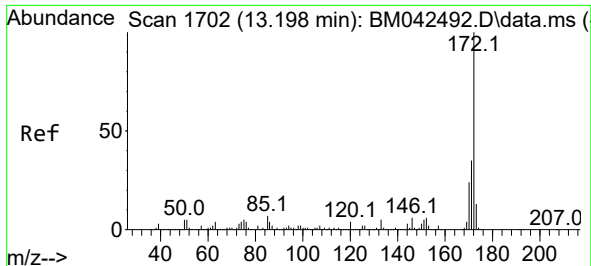
Tgt Ion:164 Resp: 143112
Ion Ratio Lower Upper
164 100
162 101.2 81.6 122.4
160 45.6 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 119.380 ng
RT: 16.062 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

Tgt Ion:330 Resp: 223056
Ion Ratio Lower Upper
330 100
332 97.3 78.8 118.2
141 38.3 31.1 46.7

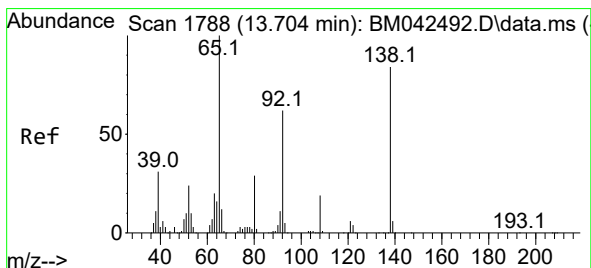
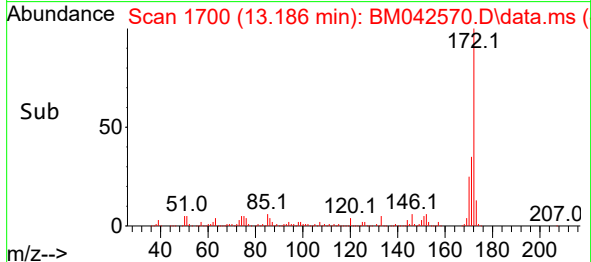
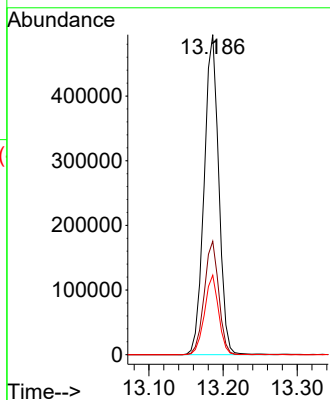
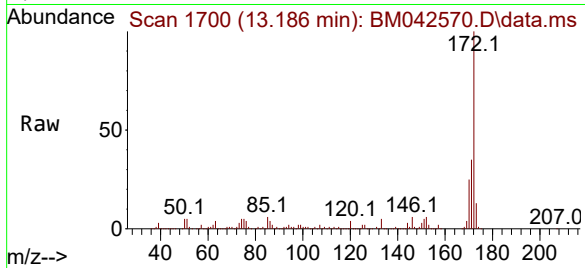




#45
2-Fluorobiphenyl
Concen: 63.830 ng
RT: 13.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

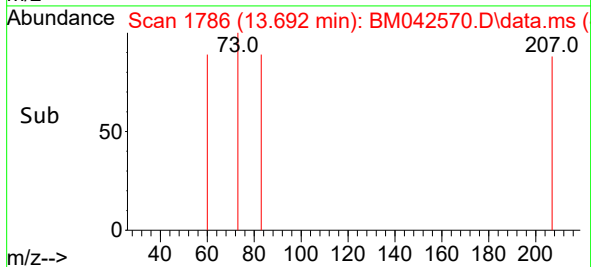
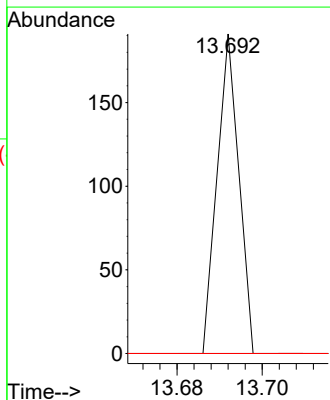
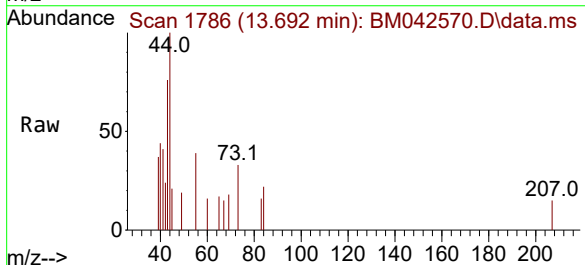
Instrument :
BNA_M
ClientSampleId :
PE-1D

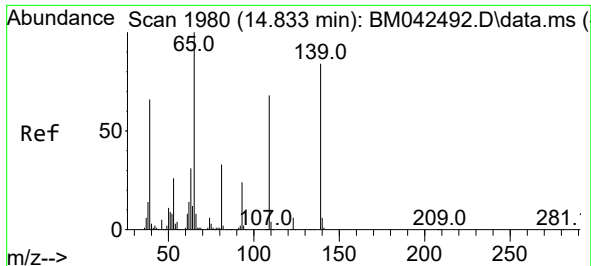
Tgt Ion:172 Resp: 678864
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 24.9 19.0 28.4



#48
2-Nitroaniline
Concen: 4.369 ng
RT: 13.692 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

Tgt Ion: 65 Resp: 67
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#

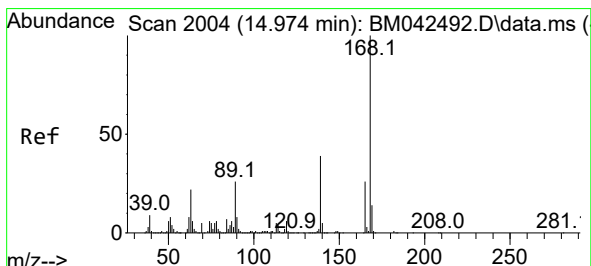
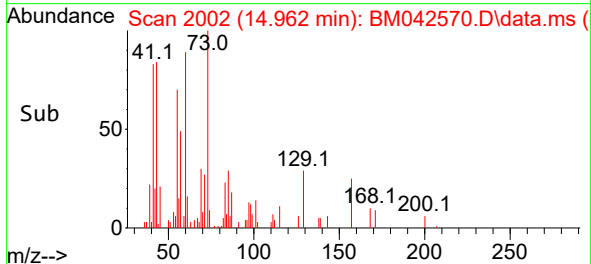
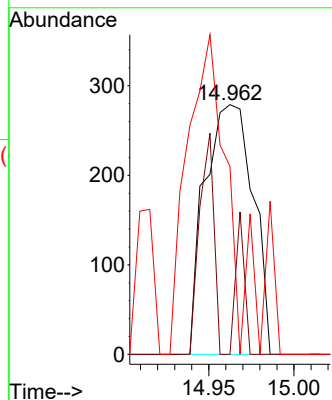
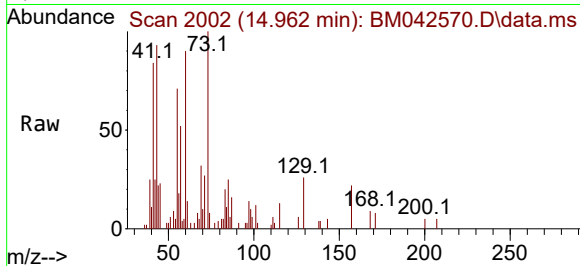




#56
4-Nitrophenol
Concen: 7.203 ng
RT: 14.962 min Scan# 20
Delta R.T. 0.141 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

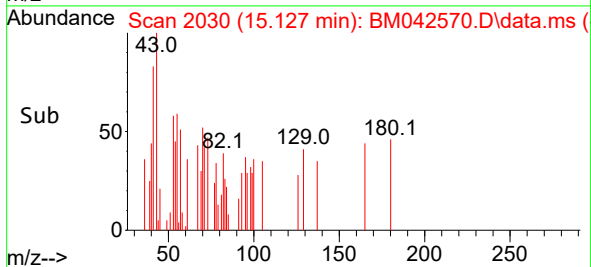
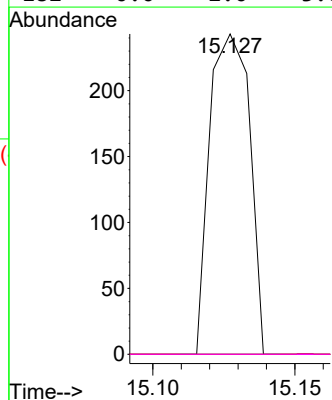
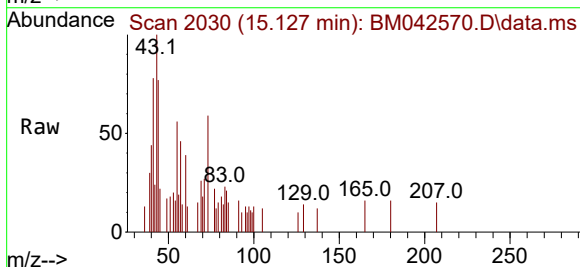
Instrument :
BNA_M
ClientSampleId :
PE-1D

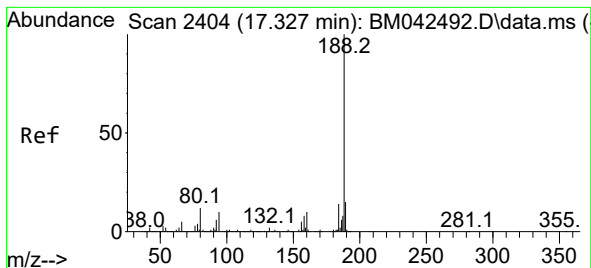
Tgt Ion:139 Resp: 548
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 75.3 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 4.036 ng
RT: 15.127 min Scan# 2030
Delta R.T. 0.164 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

Tgt Ion:165 Resp: 237
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

Instrument :

BNA_M

ClientSampleId :

PE-1D

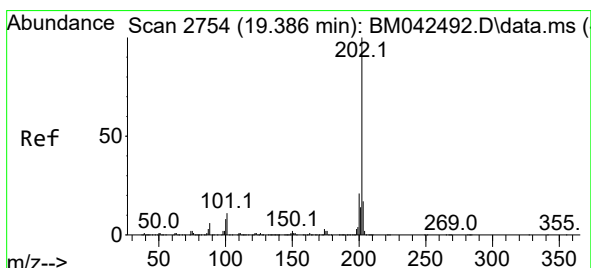
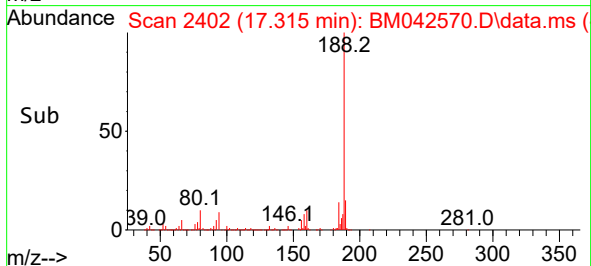
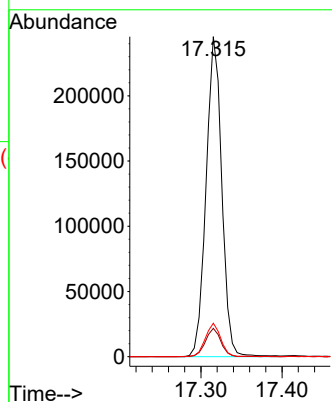
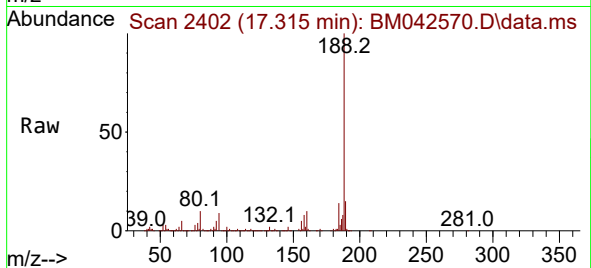
Tgt Ion:188 Resp: 328248

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

80 10.4 9.4 14.2



#75

Fluoranthene

Concen: 3.108 ng

RT: 19.374 min Scan# 2752

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

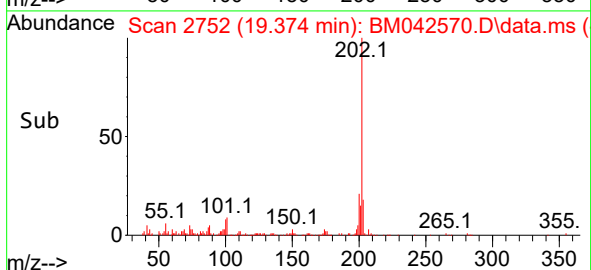
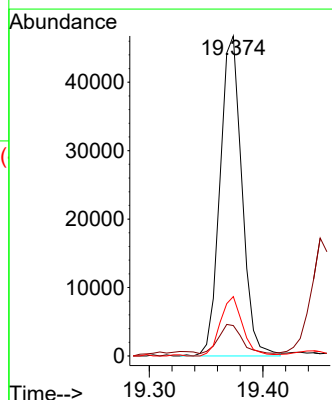
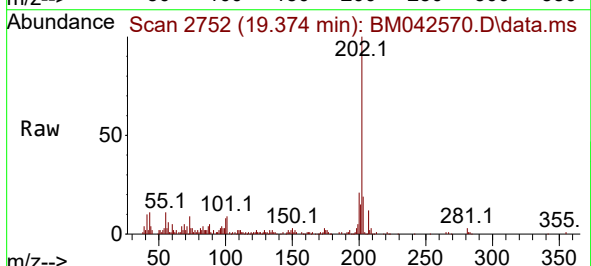
Tgt Ion:202 Resp: 62637

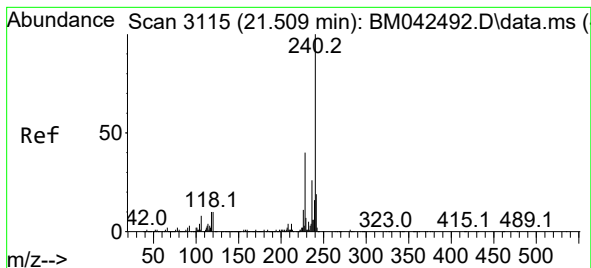
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.5

203 18.6 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.497 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

Instrument :

BNA_M

ClientSampleId :

PE-1D

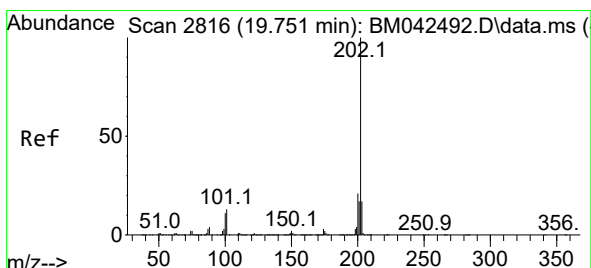
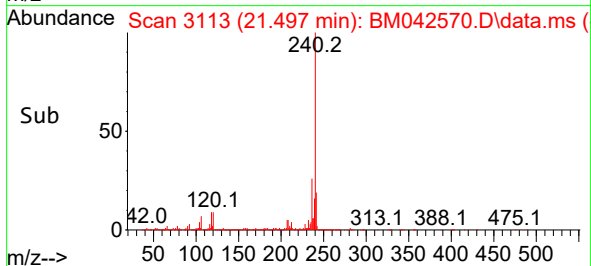
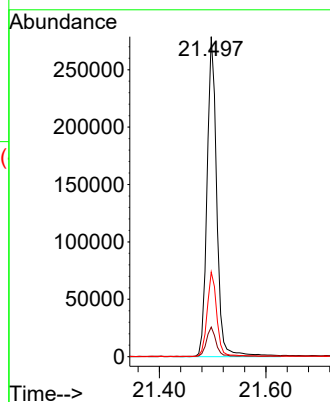
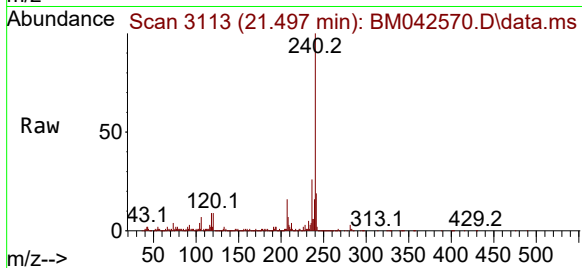
Tgt Ion:240 Resp: 352321

Ion Ratio Lower Upper

240 100

120 9.3 8.3 12.5

236 26.5 20.8 31.2



#78

Pyrene

Concen: 2.470 ng

RT: 19.739 min Scan# 2814

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

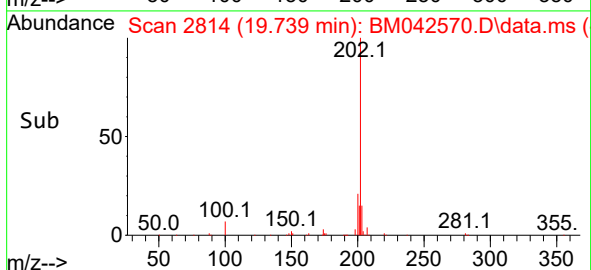
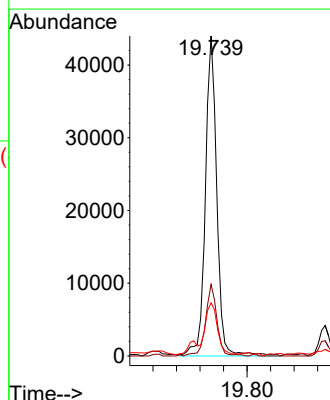
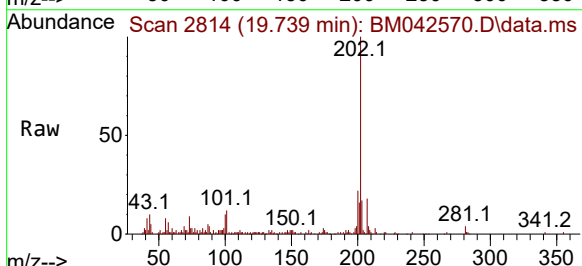
Tgt Ion:202 Resp: 59766

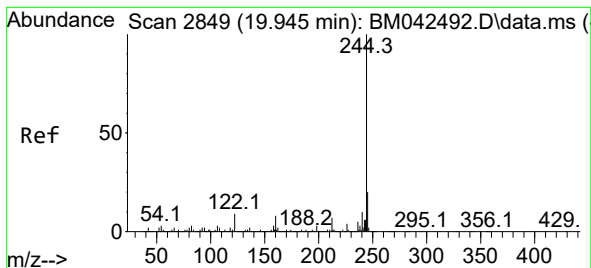
Ion Ratio Lower Upper

202 100

200 22.4 16.9 25.3

203 16.6 13.7 20.5





#79

Terphenyl-d14

Concen: 61.251 ng

RT: 19.933 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

Instrument :

BNA_M

ClientSampleId :

PE-1D

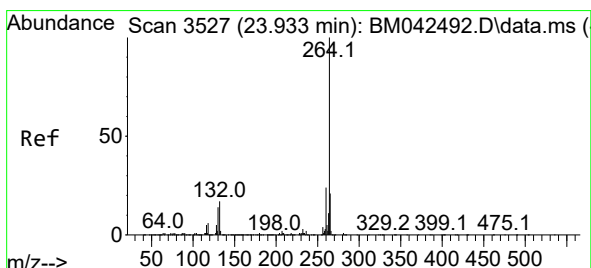
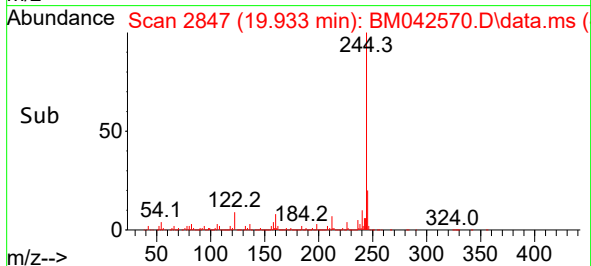
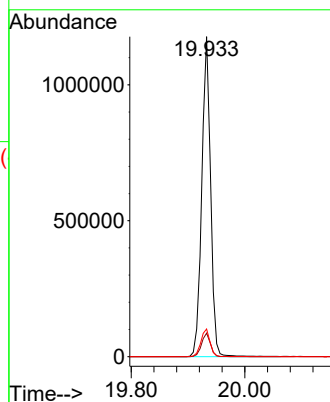
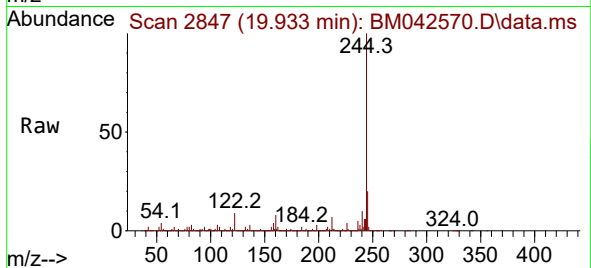
Tgt Ion:244 Resp: 1272698

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 8.7 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.915 min Scan# 3524

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

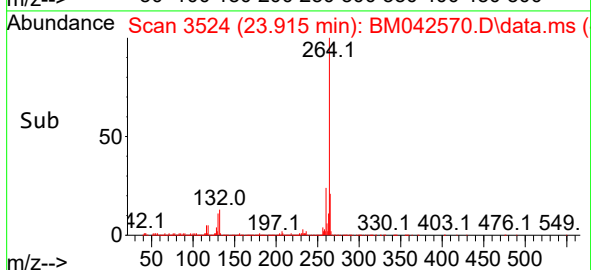
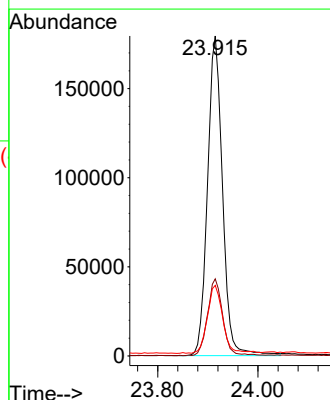
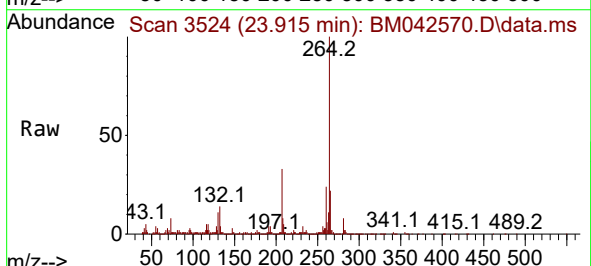
Tgt Ion:264 Resp: 373292

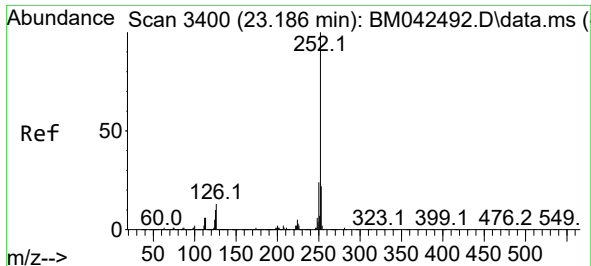
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.0 18.7 28.1

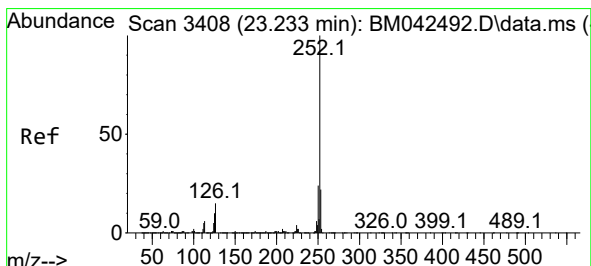
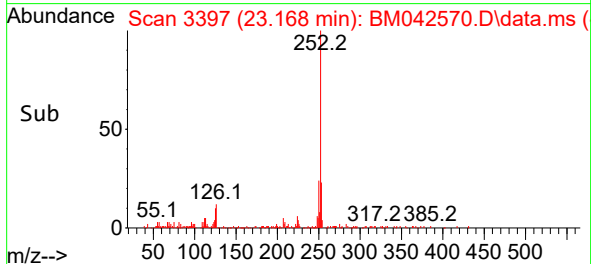
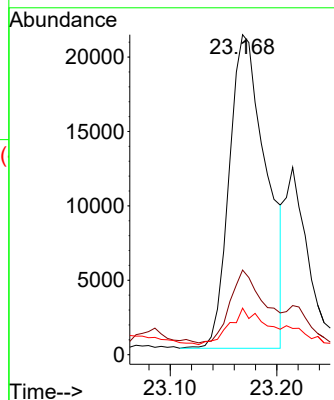
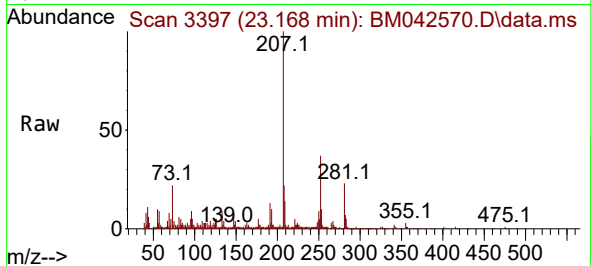




#88
Benzo(b)fluoranthene
Concen: 2.456 ng
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

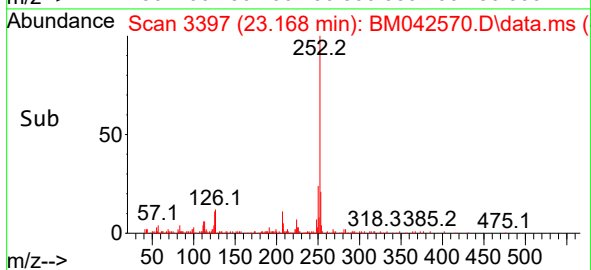
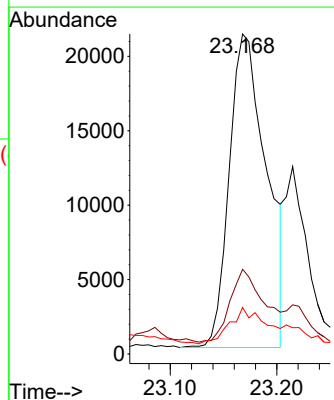
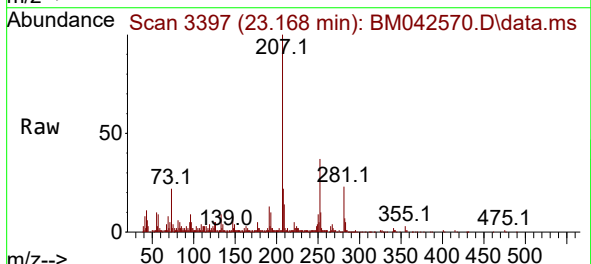
Instrument :
BNA_M
ClientSampleId :
PE-1D

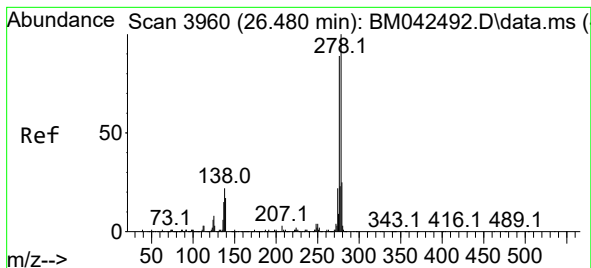
Tgt Ion:252 Resp: 51069
Ion Ratio Lower Upper
252 100
253 26.4 17.5 26.3#
125 14.5 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 2.204 ng
RT: 23.168 min Scan# 3397
Delta R.T. -0.053 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

Tgt Ion:252 Resp: 51069
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4#
125 14.5 8.2 12.4#





#91

Dibenzo(a,h)anthracene

Concen: 4.441 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.024 min

Lab File: BM042570.D

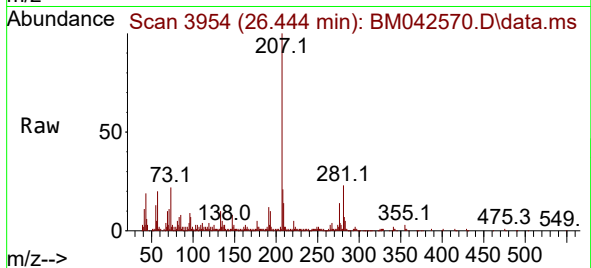
Acq: 03 Nov 2023 14:59

Instrument :

BNA_M

ClientSampleId :

PE-1D



Tgt Ion:278 Resp: 6810

Ion Ratio Lower Upper

278 100

139 42.3 13.4 20.2#

279 39.0 19.7 29.5#

