

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)

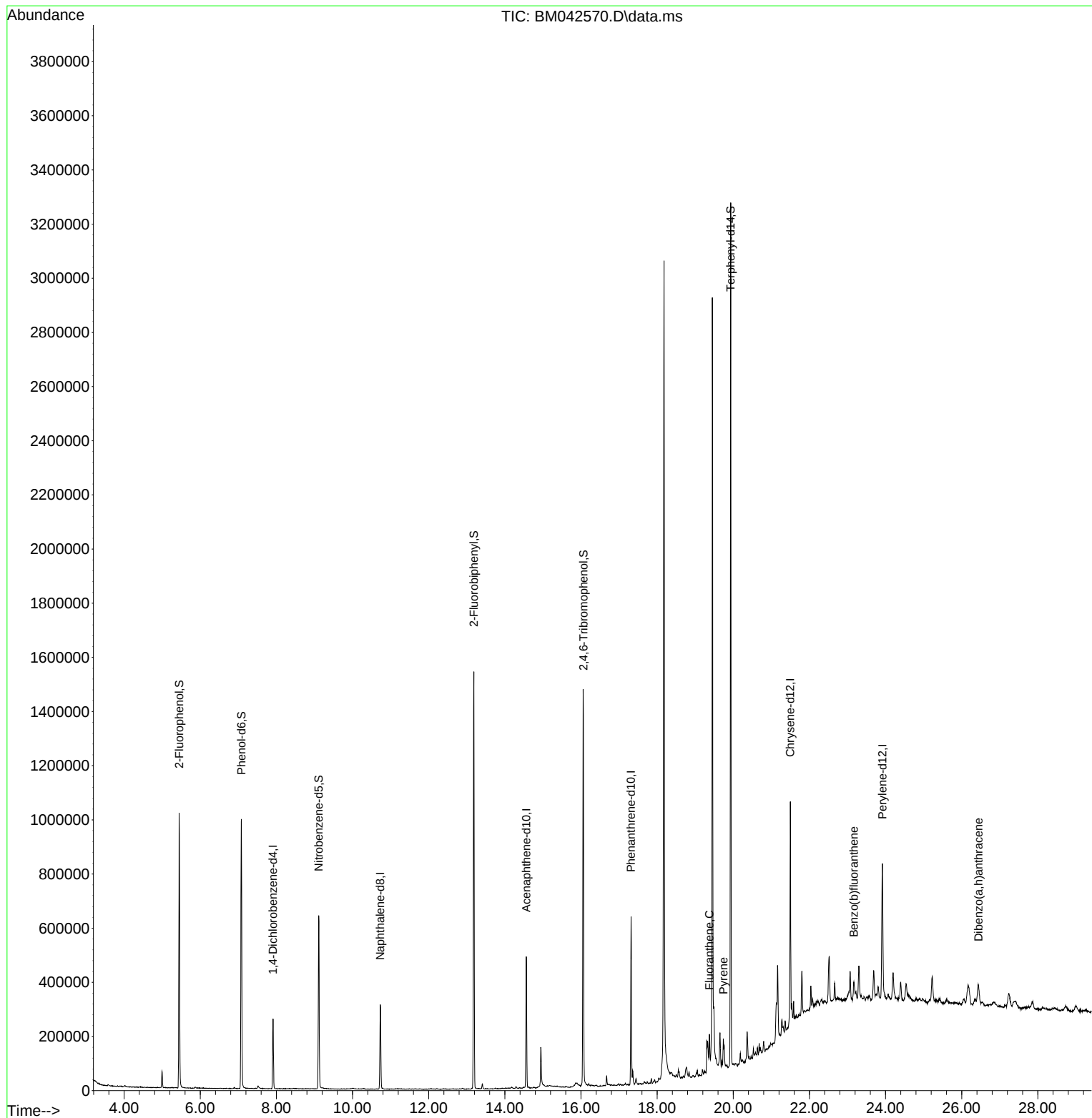
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	58949	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	225876	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	143112	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	328248	20.000	ng	0.00
76) Chrysene-d12	21.497	240	352321	20.000	ng	0.00
86) Perylene-d12	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
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
91) Dibenzo(a,h)anthracene	26.444	278	6810	4.441	ng	# 59

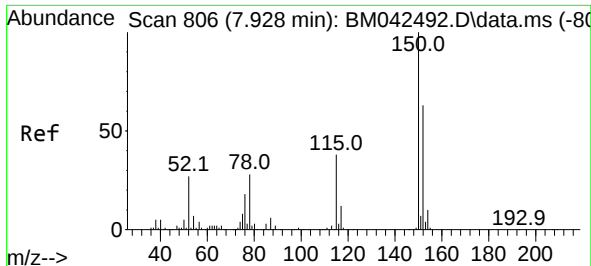
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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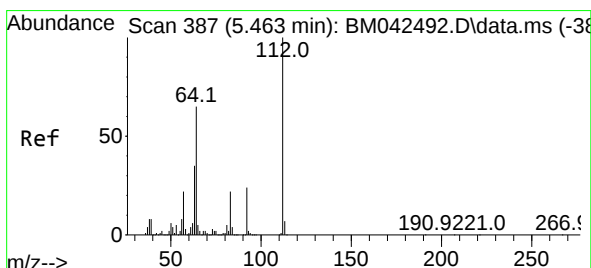
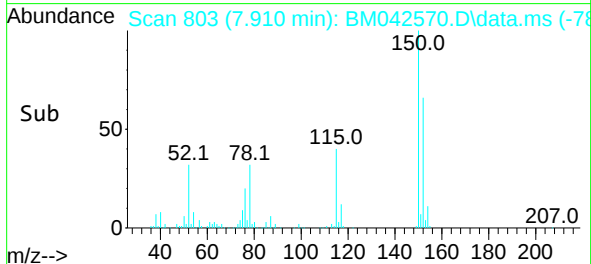
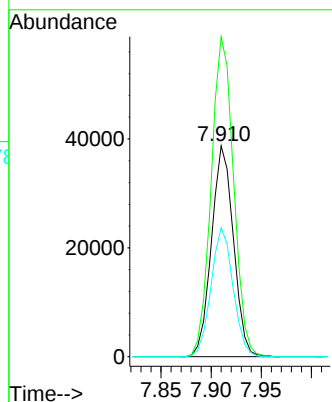
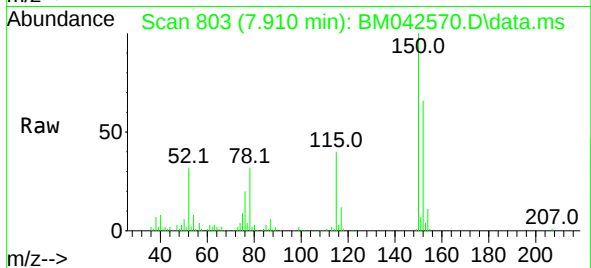




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

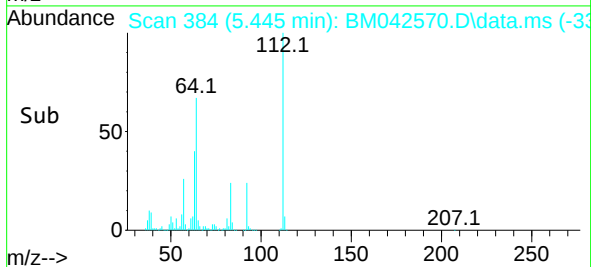
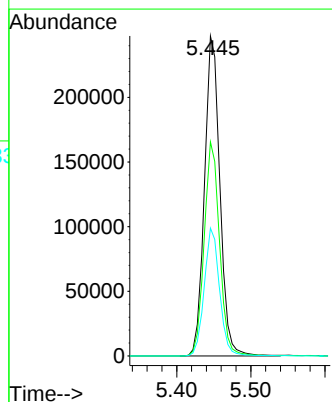
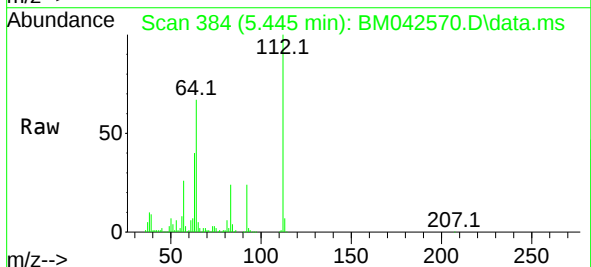
Instrument :
BNA_M
ClientSampleId :
PE-1D

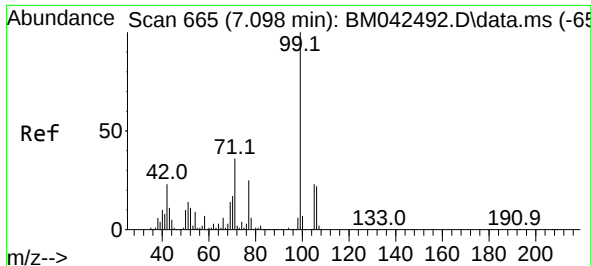
Tgt Ion:152 Resp: 58949
Ion Ratio Lower Upper
152 100
150 151.7 127.4 191.0
115 61.1 47.9 71.9



#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

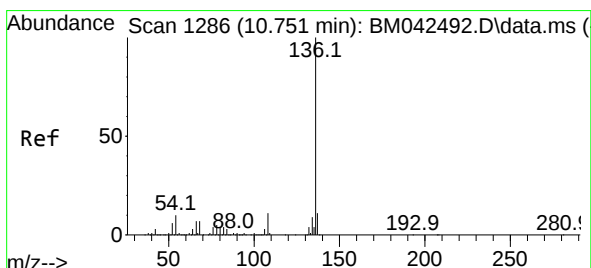
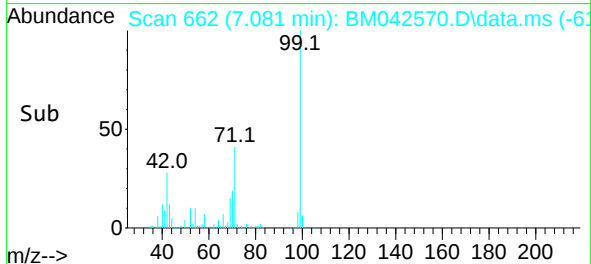
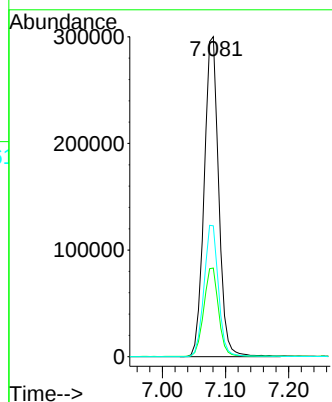
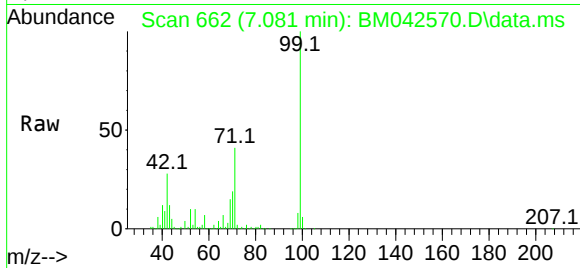




#7
Phenol-d6
Concen: 95.973 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.005 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

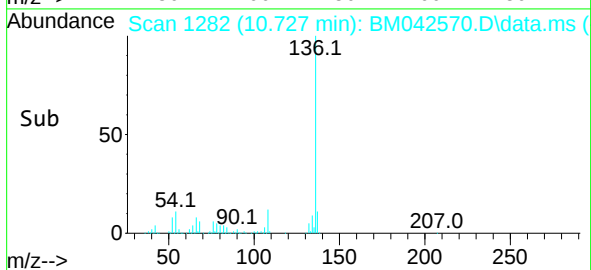
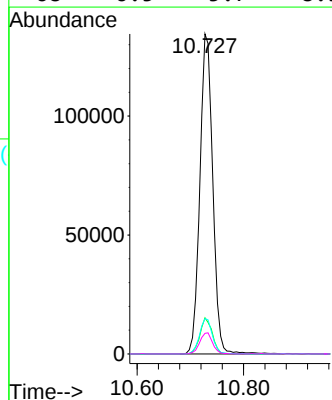
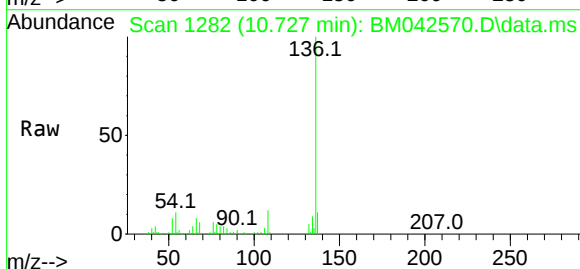
Instrument :
BNA_M
ClientSampleId :
PE-1D

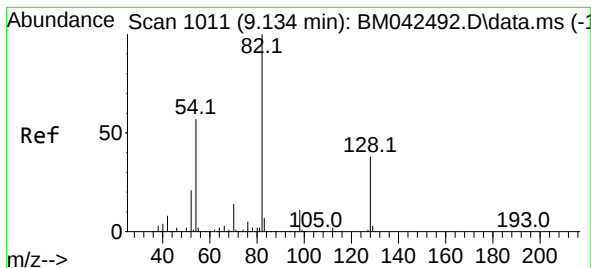
Tgt Ion: 99 Resp: 480771
Ion Ratio Lower Upper
99 100
42 27.7 18.7 28.1
71 40.9 29.1 43.7



#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# 1011

Delta R.T. -0.000 min

Lab File: BM042570.D

Acq: 03 Nov 2023 14:59

Instrument :

BNA_M

ClientSampleId :

PE-1D

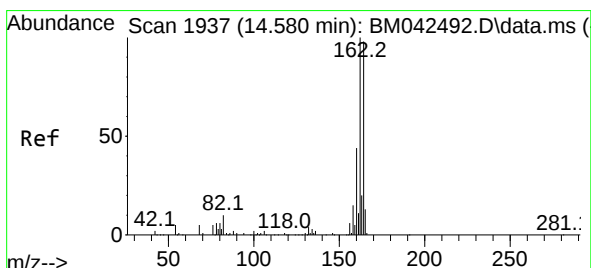
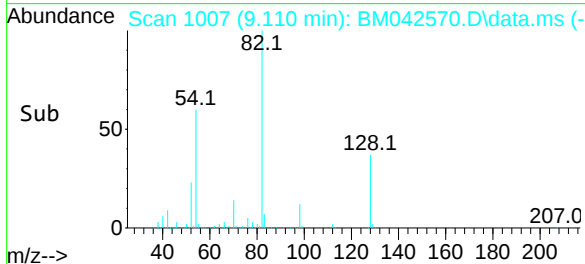
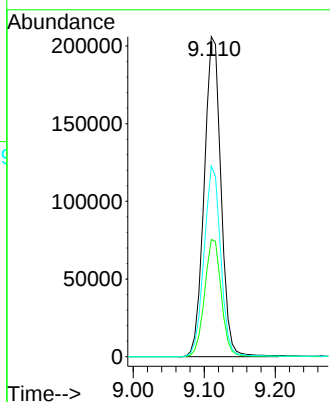
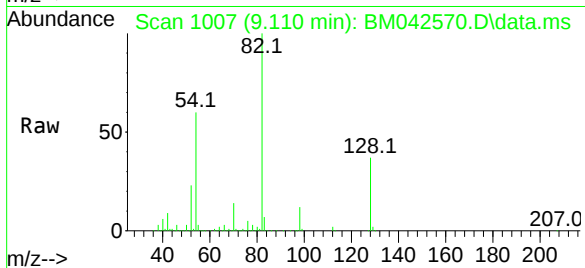
Tgt Ion: 82 Resp: 339141

Ion Ratio Lower Upper

82 100

128 36.6 30.7 46.1

54 59.6 45.3 67.9



#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

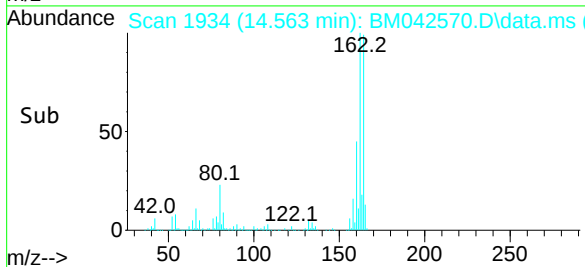
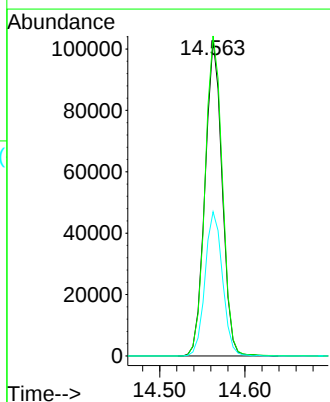
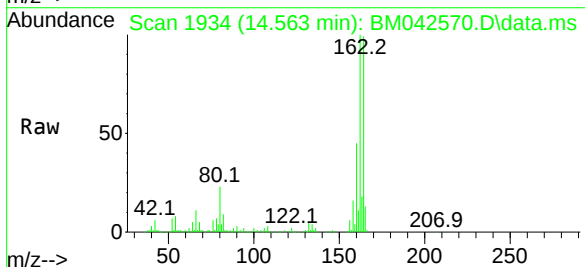
Tgt Ion: 164 Resp: 143112

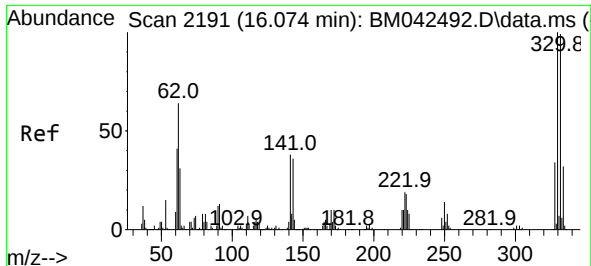
Ion Ratio Lower Upper

164 100

162 101.2 81.6 122.4

160 45.6 36.2 54.4

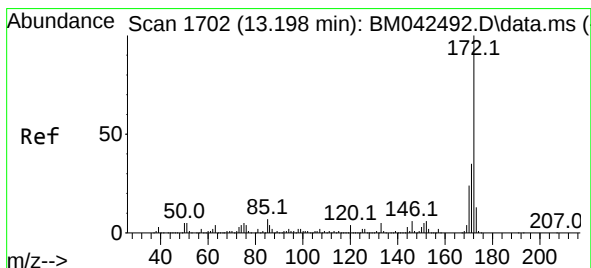
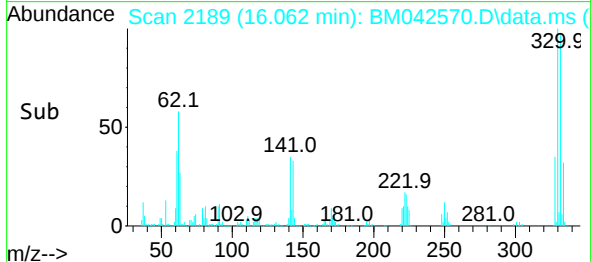
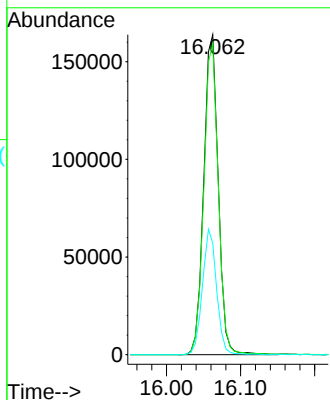
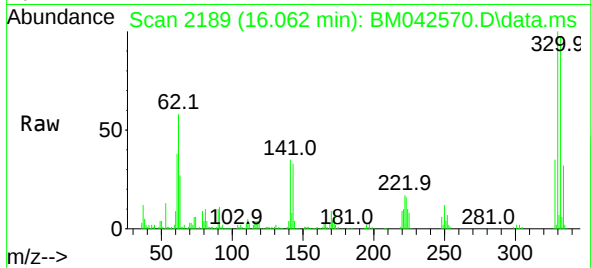




#42
2,4,6-Tribromophenol
Concen: 119.380 ng
RT: 16.062 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

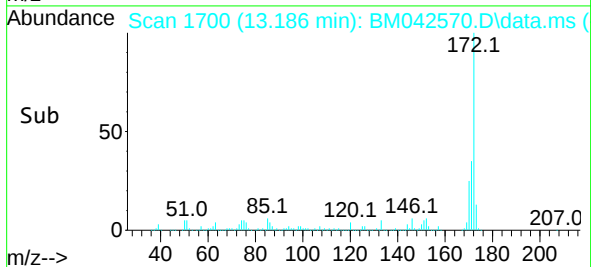
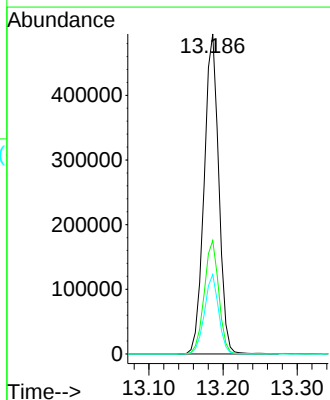
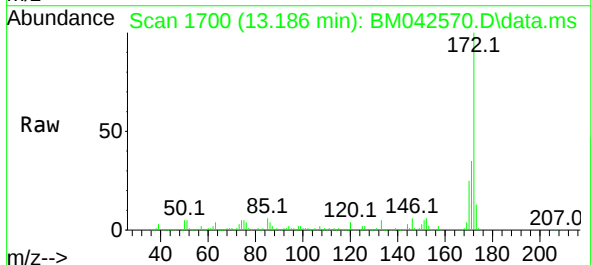
Instrument :
BNA_M
ClientSampleId :
PE-1D

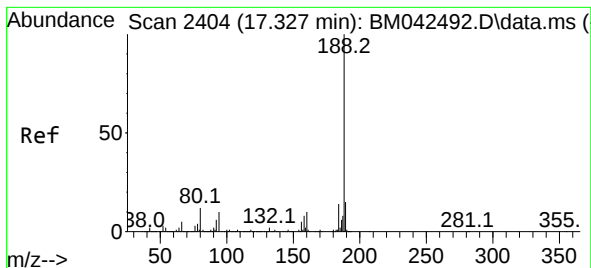
Tgt Ion:330 Resp: 223056
Ion Ratio Lower Upper
330 100
332 97.3 78.8 118.2
141 38.3 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 63.830 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

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





#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

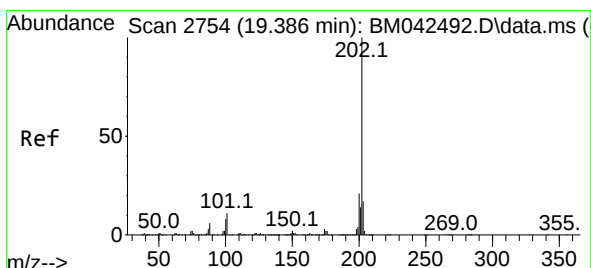
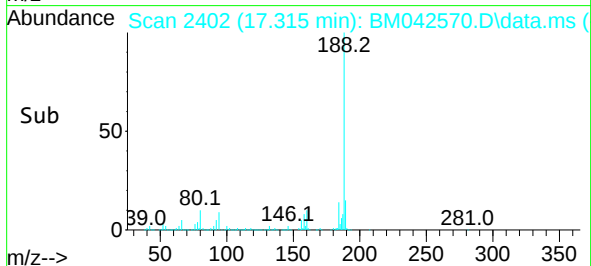
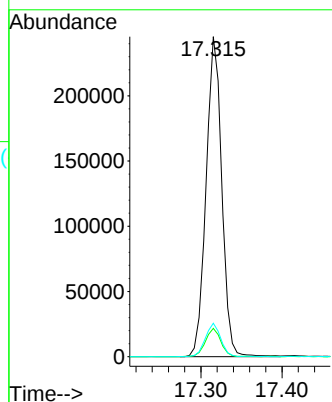
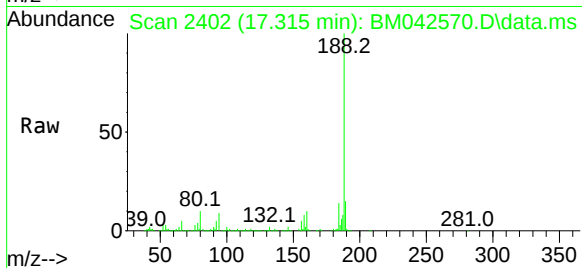
Tgt Ion:188 Resp: 328248

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

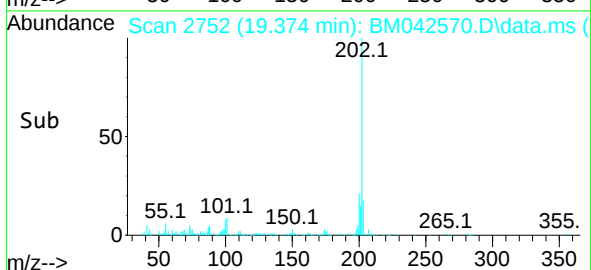
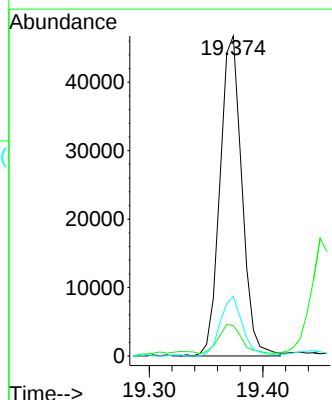
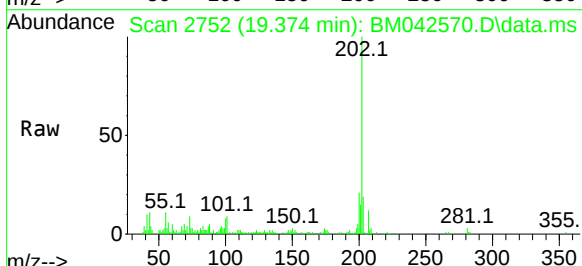
Tgt Ion:202 Resp: 62637

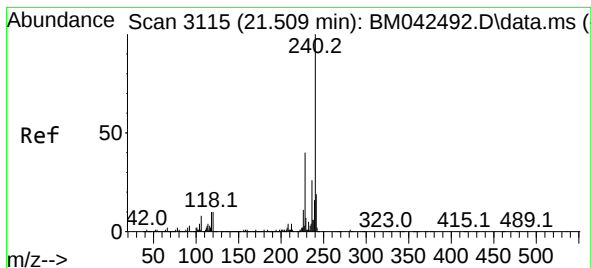
Ion Ratio Lower Upper

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

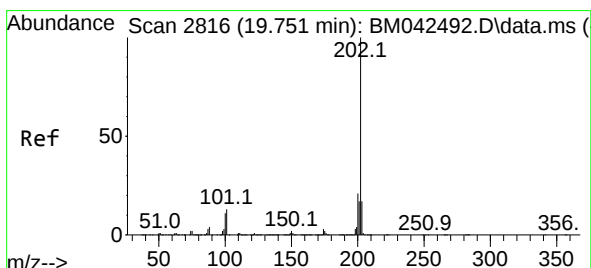
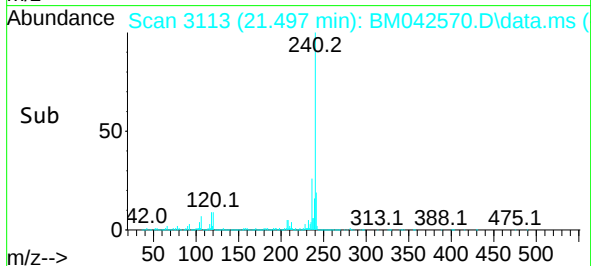
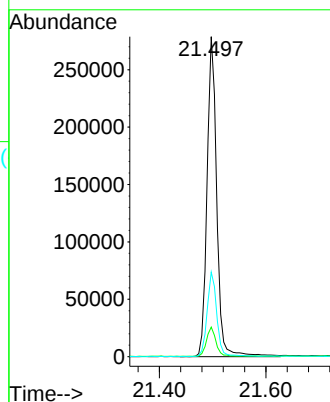
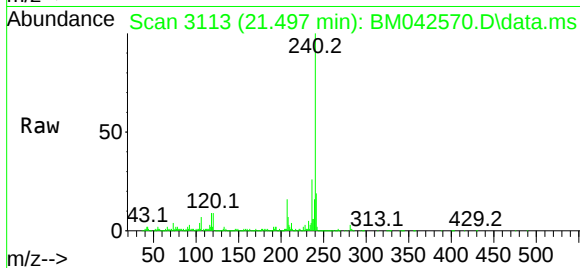
Tgt Ion:240 Resp: 352321

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

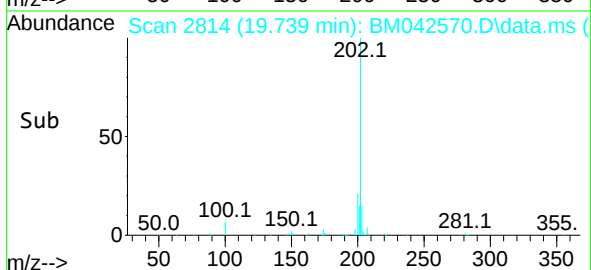
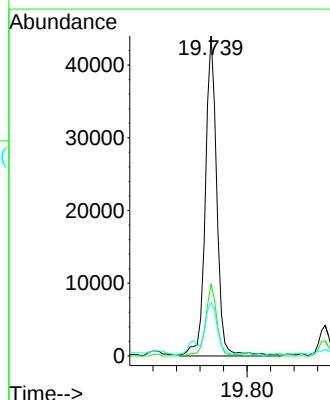
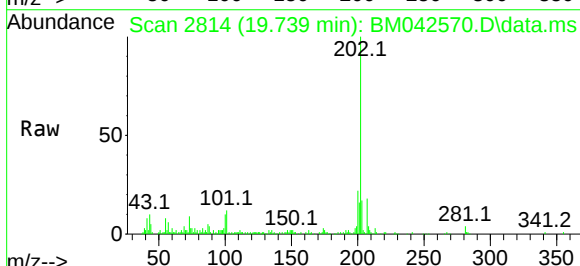
Tgt Ion:202 Resp: 59766

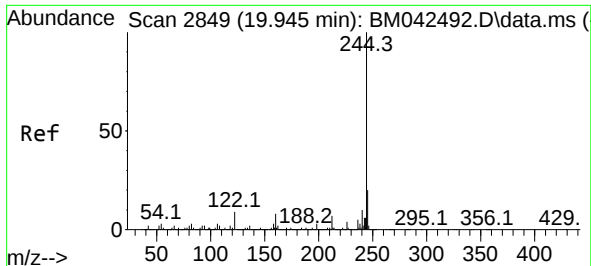
Ion Ratio Lower Upper

202 100

200 22.4 16.9 25.3

203 16.6 13.7 20.5

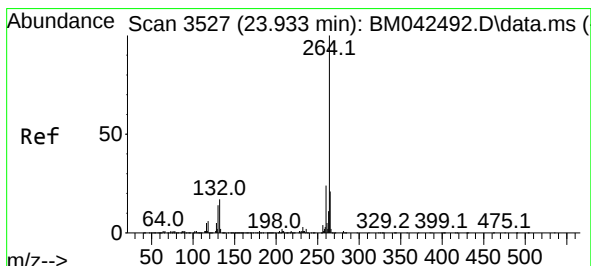
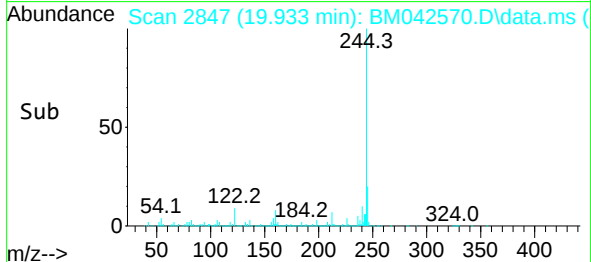
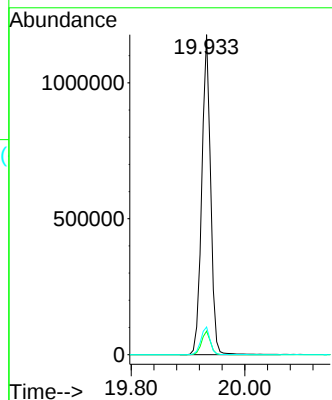
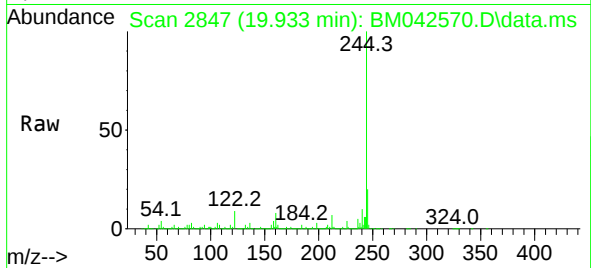




#79
 Terphenyl-d14
 Concen: 61.251 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM042570.D
 Acq: 03 Nov 2023 14:59

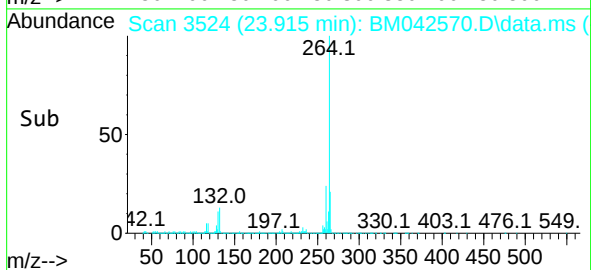
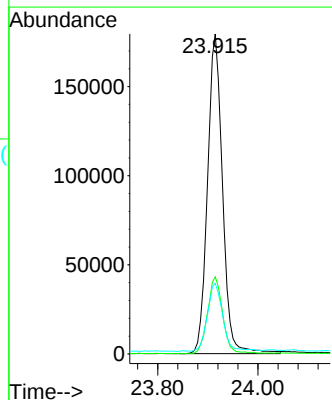
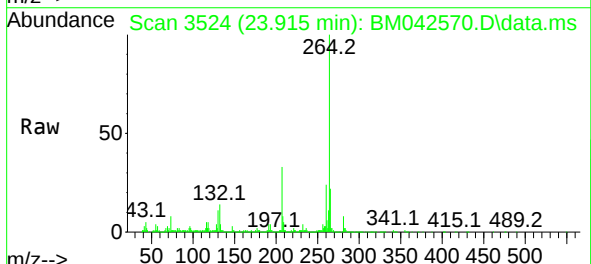
Instrument :
 BNA_M
 ClientSampleId :
 PE-1D

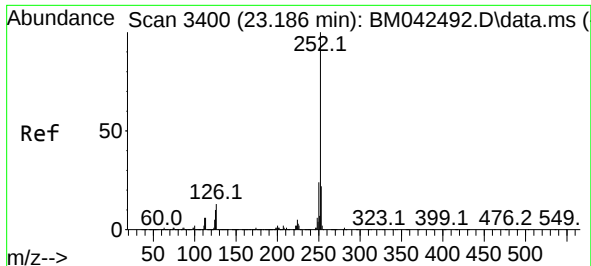
Tgt Ion:244 Resp: 1272698
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 8.7 7.2 10.8



#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

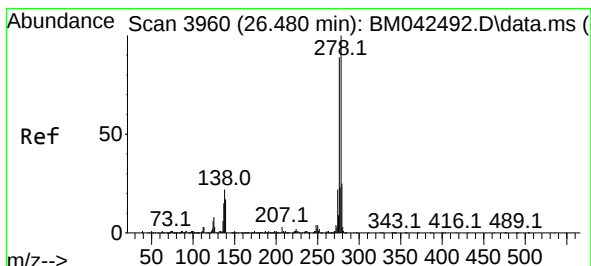
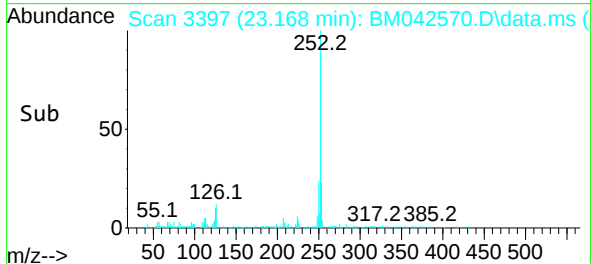
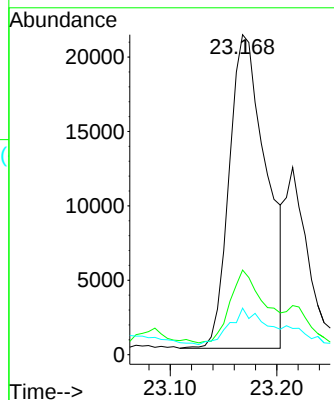
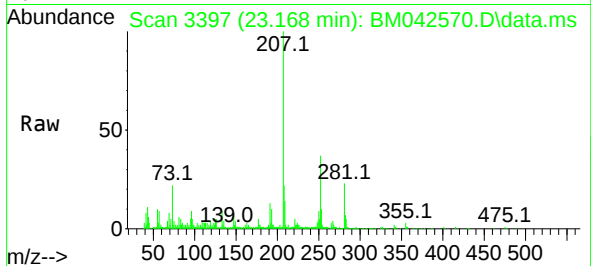




#88
Benzo(b)fluoranthene
Concen: 2.456 ng
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042570.D
Acq: 03 Nov 2023 14:59

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#



#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

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#

