

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042441.D
 Acq On : 25 Oct 2023 17:12
 Operator : MA/JU
 Sample : 04941-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-12017

Quant Time: Oct 25 18:05:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

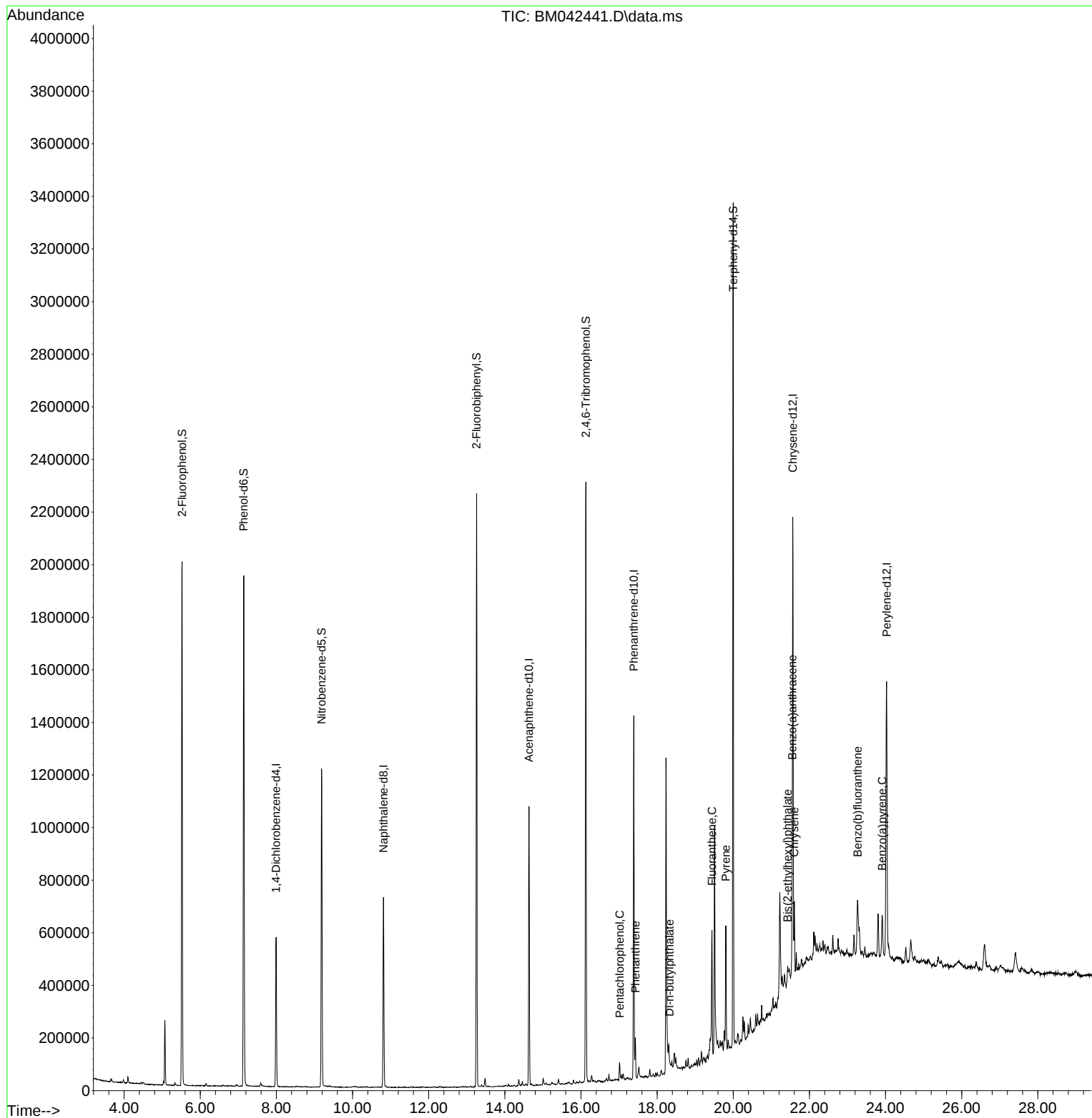
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	142827	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	557732	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	335511	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	752704	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	753264	20.000	ng	-0.02
86) Perylene-d12	24.027	264	794858	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	800663	79.228	ng	0.00
7) Phenol-d6	7.139	99	1061552	78.384	ng	-0.01
23) Nitrobenzene-d5	9.186	82	674335	53.464	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	375058	103.269	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1052905	42.260	ng	-0.01
79) Terphenyl-d14	19.997	244	1488313	35.041	ng	-0.01
Target Compounds						
						Qvalue
70) Pentachlorophenol	17.015	266	11257	7.659	ng	99
71) Phenanthrene	17.427	178	85382	2.085	ng	99
74) Di-n-butylphthalate	18.327	149	3211	2.880	ng	# 93
75) Fluoranthene	19.439	202	263900	5.852	ng	98
78) Pyrene	19.803	202	267183	5.076	ng	99
81) Benzo(a)anthracene	21.550	228	143765	2.847	ng	98
83) Chrysene	21.603	228	146713	3.025	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	14995	3.780	ng	# 98
88) Benzo(b)fluoranthene	23.268	252	175427	3.667	ng	97
90) Benzo(a)pyrene	23.909	252	117587	2.553	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
Data File : BM042441.D
Acq On : 25 Oct 2023 17:12
Operator : MA/JU
Sample : 04941-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
72-12017

Quant Time: Oct 25 18:05:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

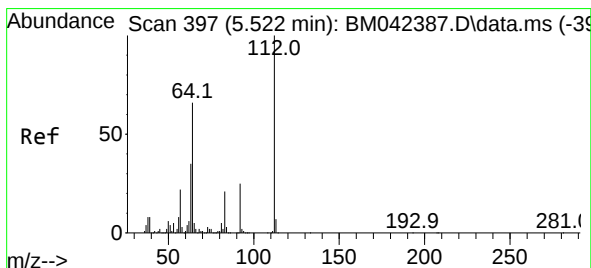
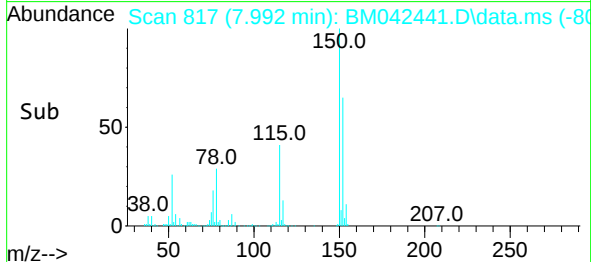
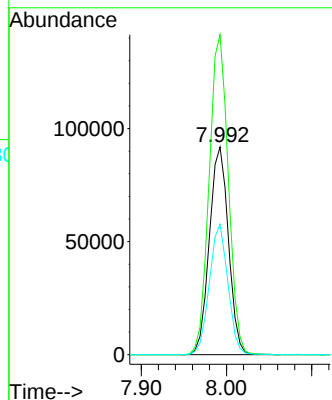
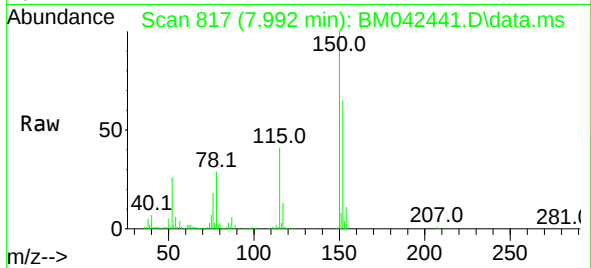




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

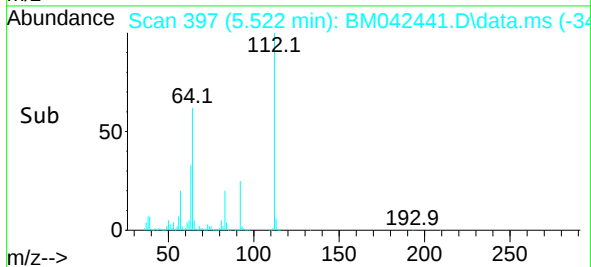
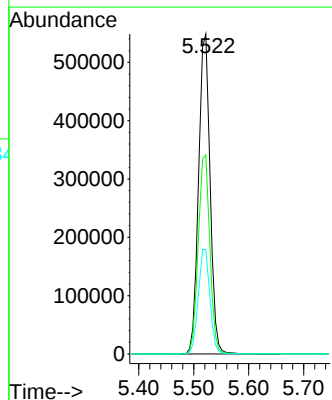
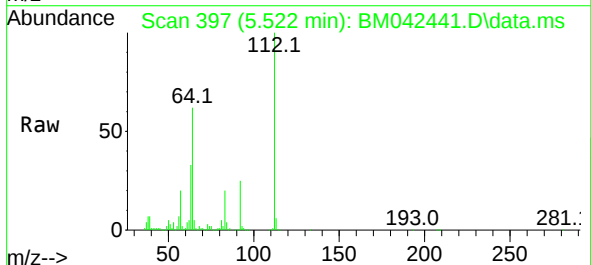
Instrument :
BNA_M
ClientSampleId :
72-12017

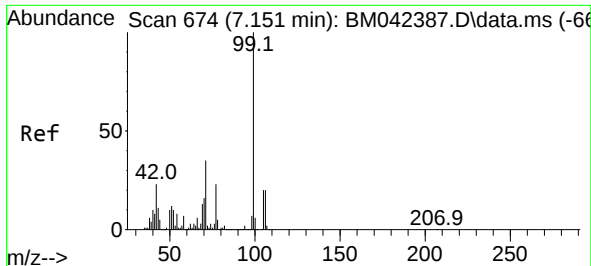
Tgt Ion:152 Resp: 142827
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.4
115 62.8 51.9 77.9



#5
2-Fluorophenol
Concen: 79.228 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:112 Resp: 800663
Ion Ratio Lower Upper
112 100
64 62.2 52.7 79.1
63 32.6 28.3 42.5

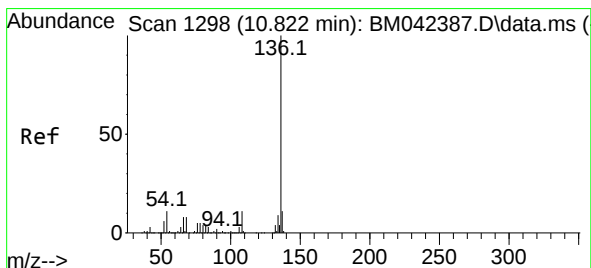
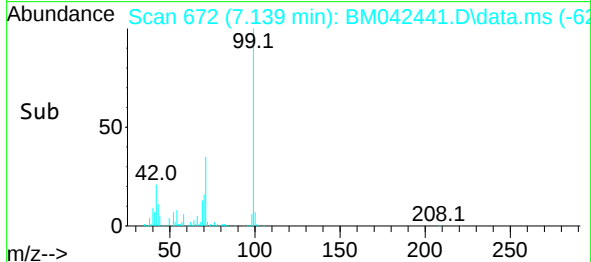
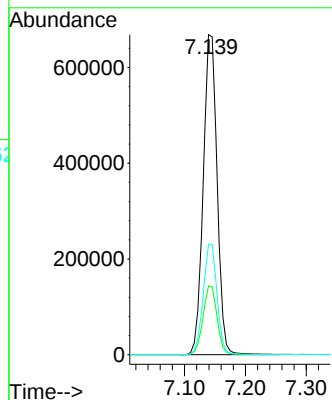
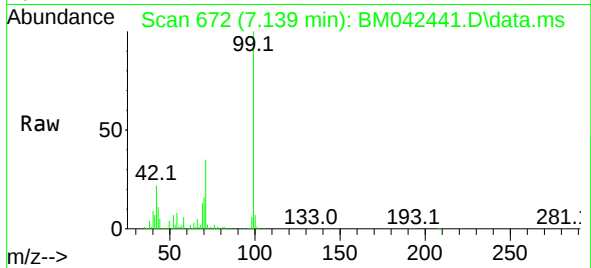




#7
Phenol-d6
Concen: 78.384 ng
RT: 7.139 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

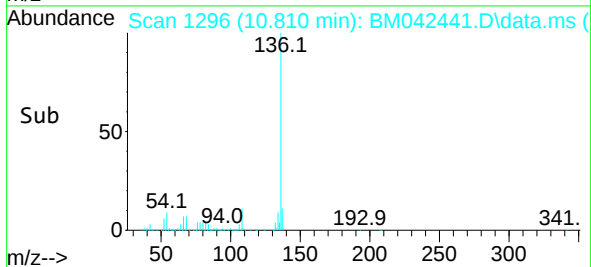
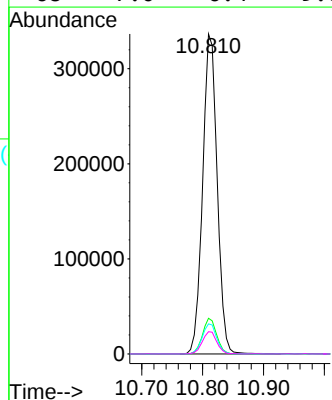
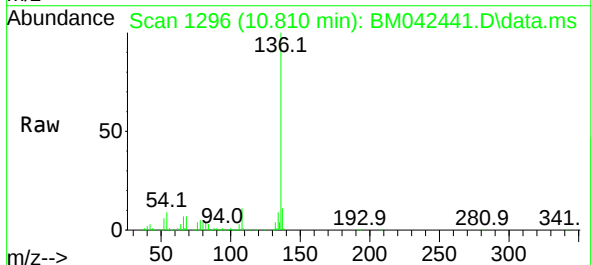
Instrument :
BNA_M
ClientSampleId :
72-12017

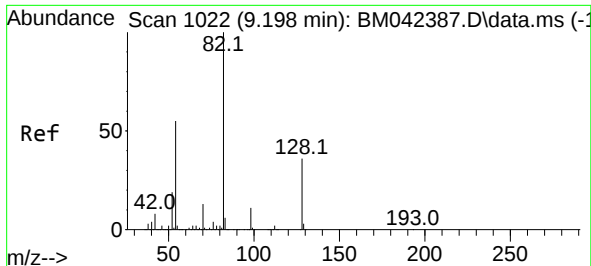
Tgt Ion: 99 Resp: 1061552
Ion Ratio Lower Upper
99 100
42 21.5 18.5 27.7
71 34.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion: 136 Resp: 557732
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 9.4 8.6 12.8
68 7.0 6.4 9.6

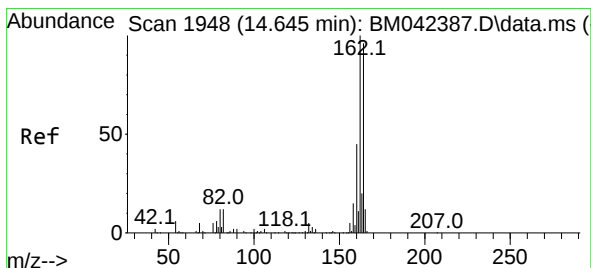
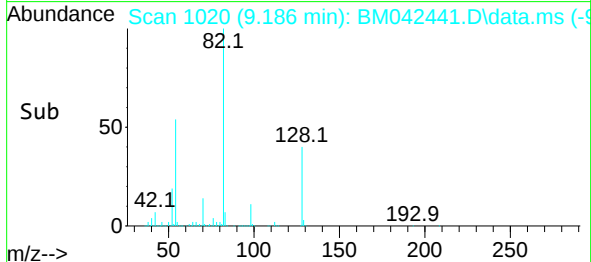
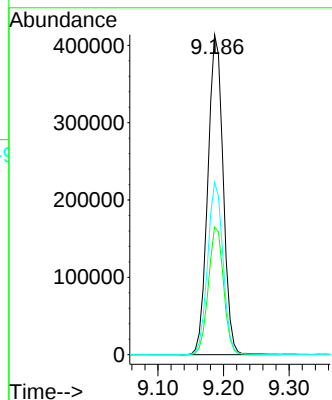
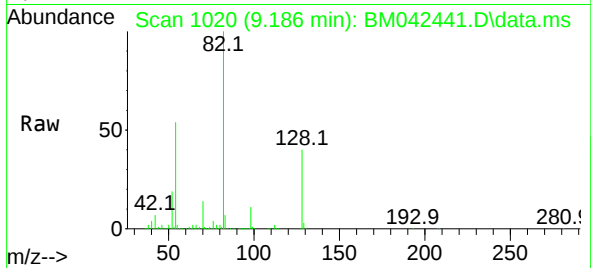




#23
Nitrobenzene-d5
Concen: 53.464 ng
RT: 9.186 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

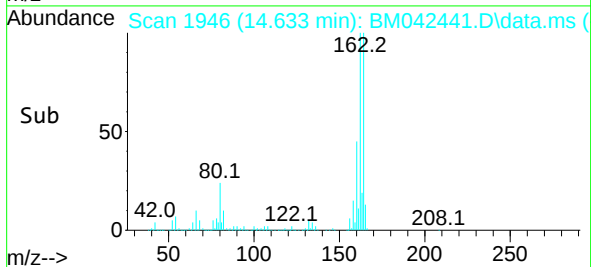
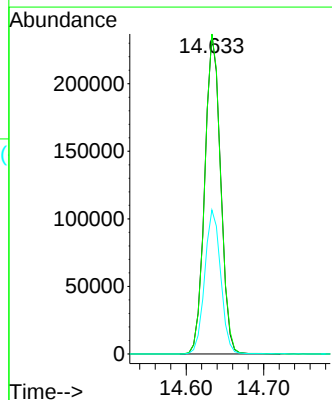
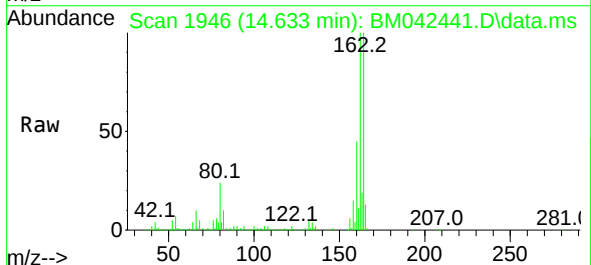
Instrument :
BNA_M
ClientSampleId :
72-12017

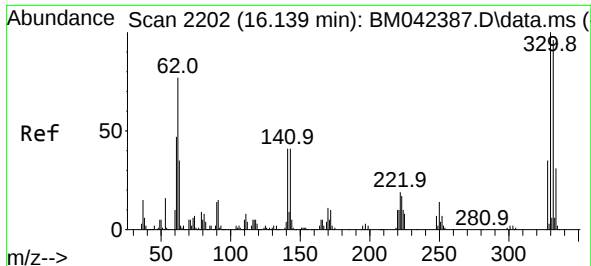
Tgt Ion: 82 Resp: 674335
Ion Ratio Lower Upper
82 100
128 39.9 29.0 43.6
54 53.8 43.7 65.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:164 Resp: 335511
Ion Ratio Lower Upper
164 100
162 100.1 83.0 124.4
160 45.0 37.0 55.4

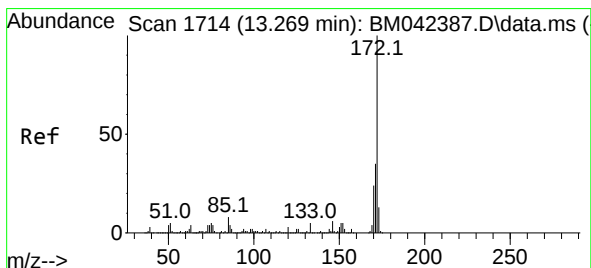
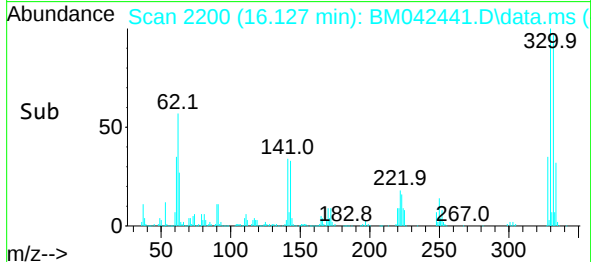
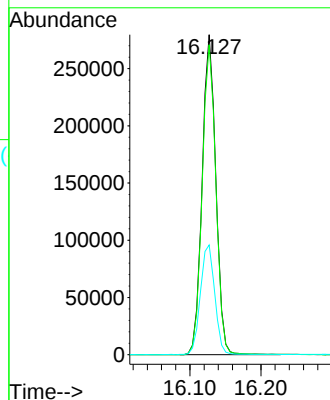
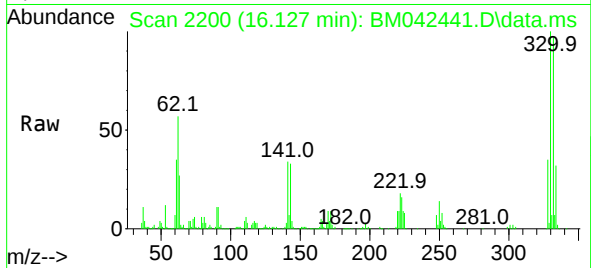




#42
2,4,6-Tribromophenol
Concen: 103.269 ng
RT: 16.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

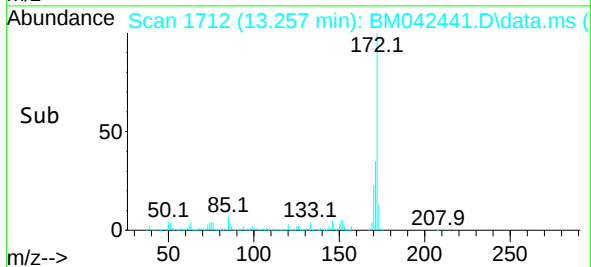
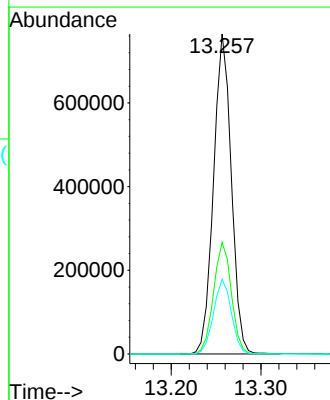
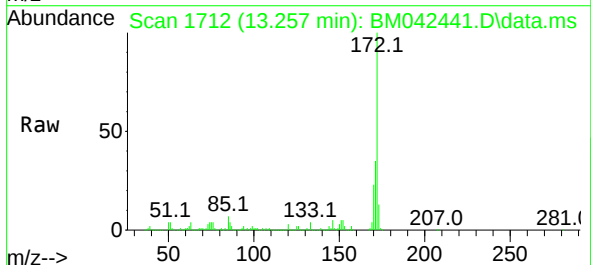
Instrument :
BNA_M
ClientSampleId :
72-12017

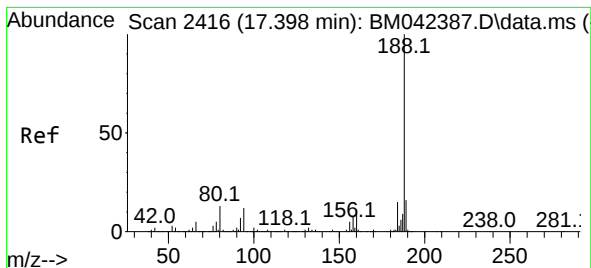
Tgt Ion:330 Resp: 375058
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 36.3 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 42.260 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:172 Resp: 1052905
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.4 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017

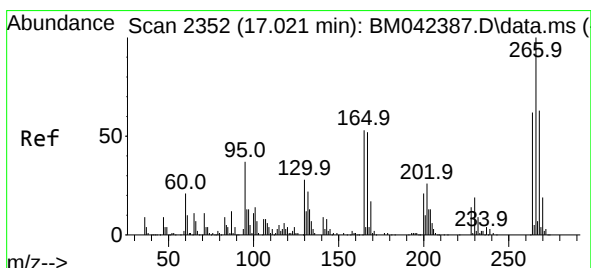
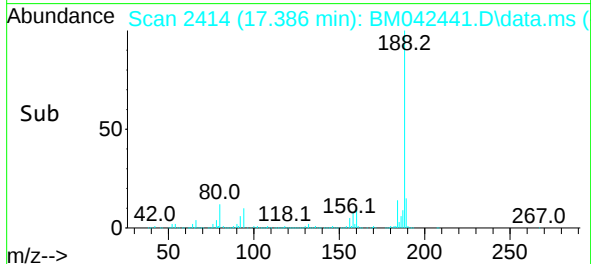
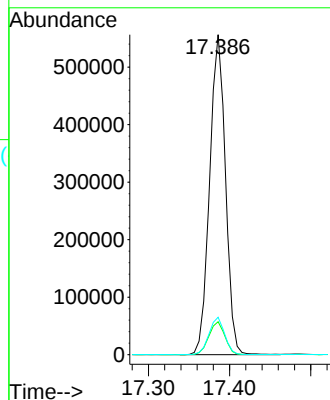
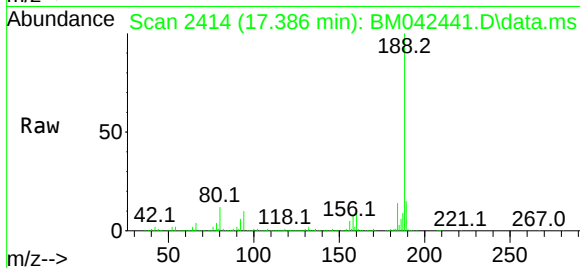
Tgt Ion:188 Resp: 752704

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.0

80 11.7 10.7 16.1



#70

Pentachlorophenol

Concen: 7.659 ng

RT: 17.015 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

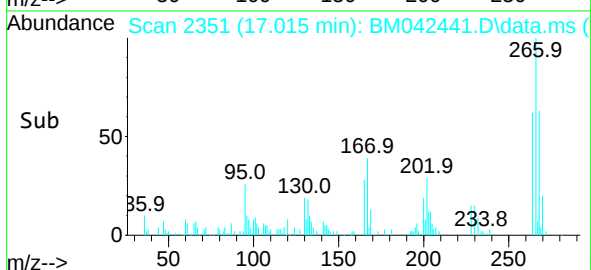
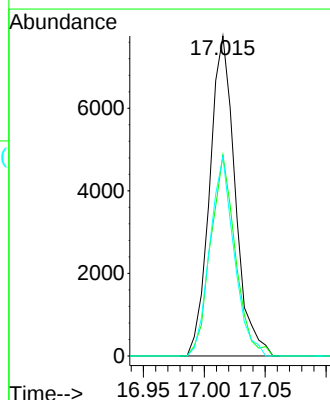
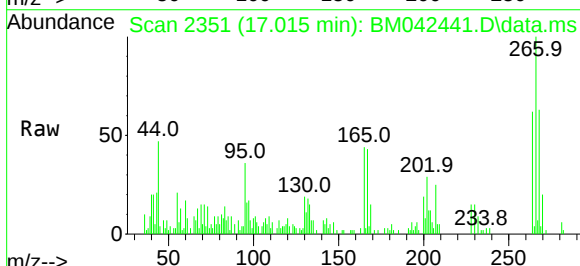
Tgt Ion:266 Resp: 11257

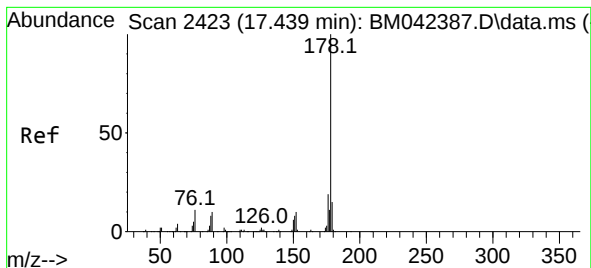
Ion Ratio Lower Upper

266 100

268 62.8 50.6 76.0

264 62.3 49.4 74.0





#71

Phenanthrene

Concen: 2.085 ng

RT: 17.427 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017

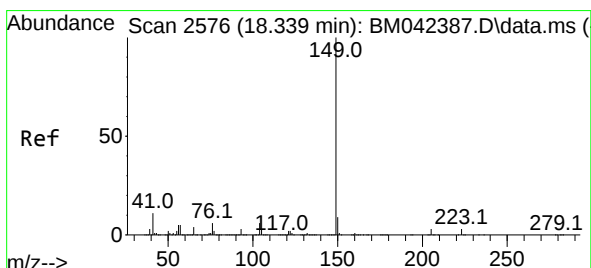
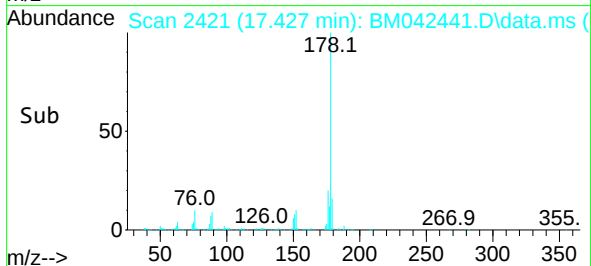
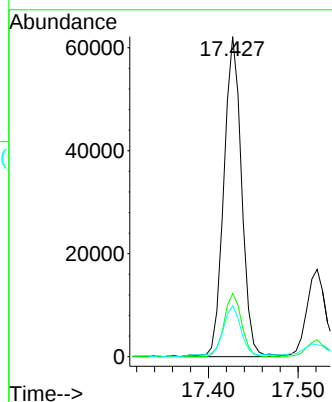
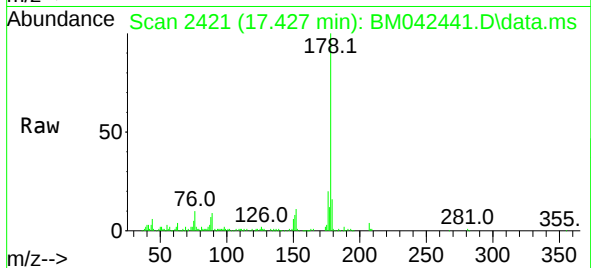
Tgt Ion:178 Resp: 85382

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

179 15.9 12.3 18.5



#74

Di-n-butylphthalate

Concen: 2.880 ng

RT: 18.327 min Scan# 2574

Delta R.T. -0.012 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

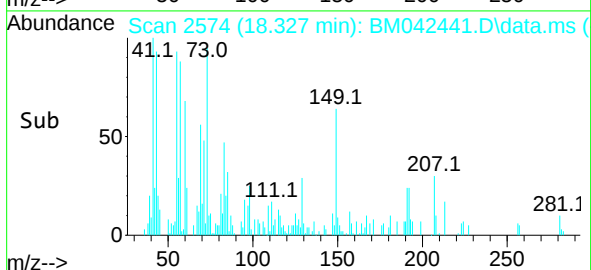
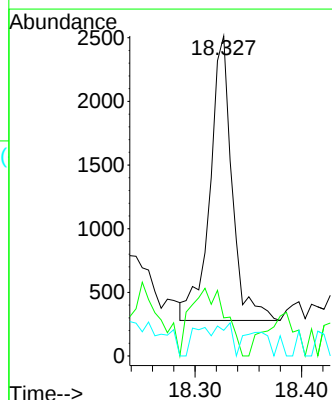
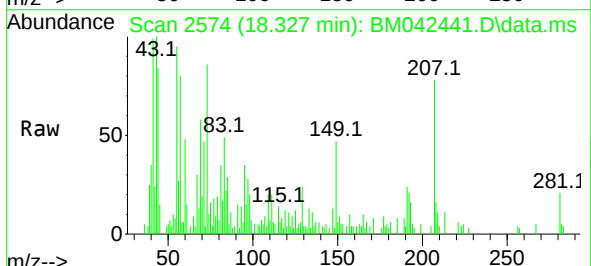
Tgt Ion:149 Resp: 3211

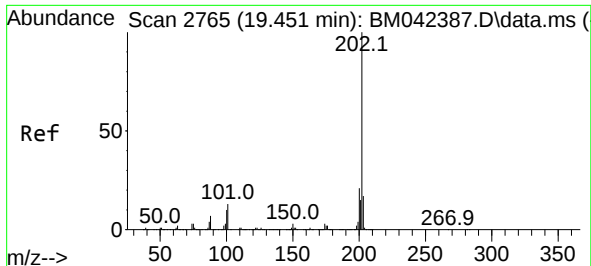
Ion Ratio Lower Upper

149 100

150 11.9 7.4 11.0#

104 8.0 4.6 7.0#

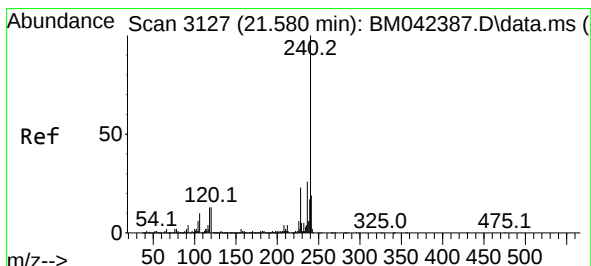
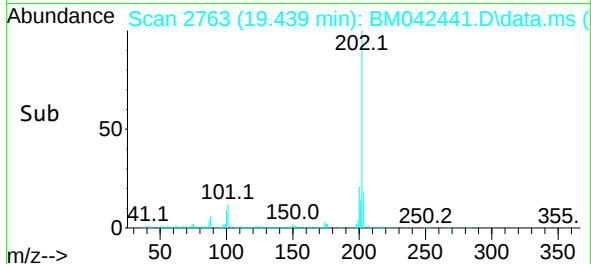
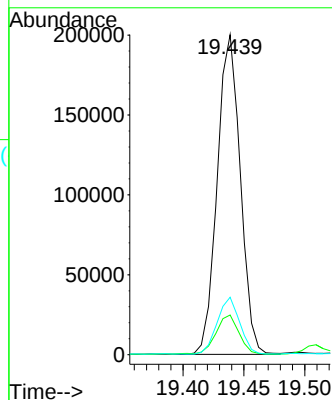
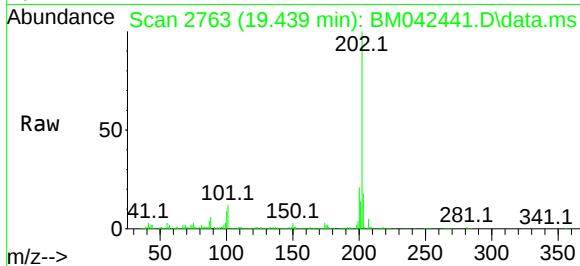




#75
Fluoranthene
Concen: 5.852 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

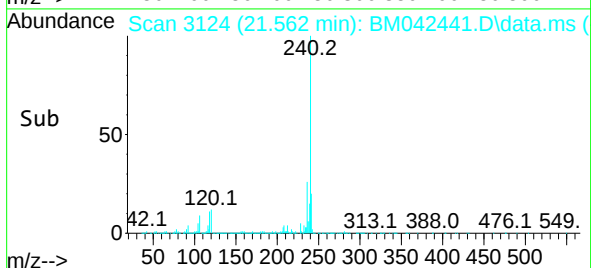
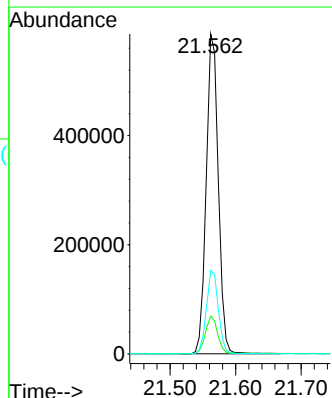
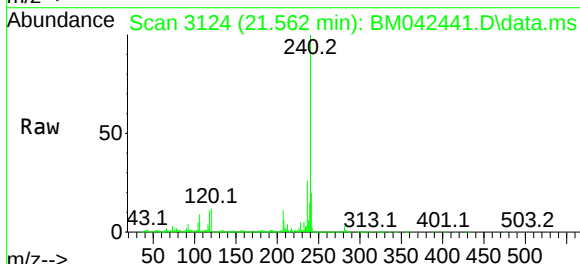
Instrument :
BNA_M
ClientSampleId :
72-12017

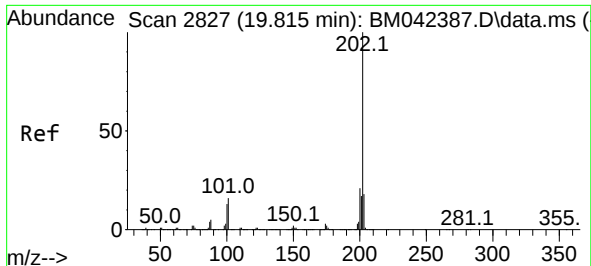
Tgt Ion:202 Resp: 263900
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.3
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:240 Resp: 753264
Ion Ratio Lower Upper
240 100
120 11.9 10.7 16.1
236 26.1 20.7 31.1

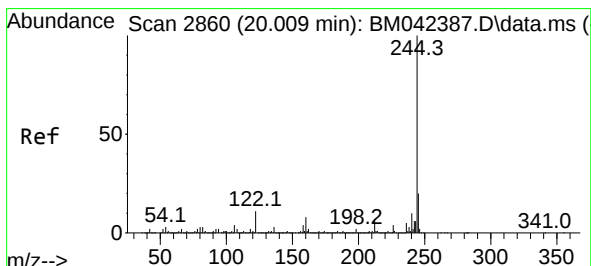
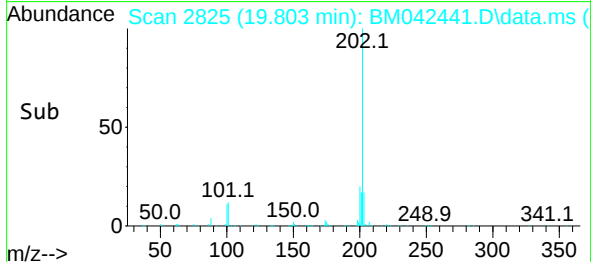
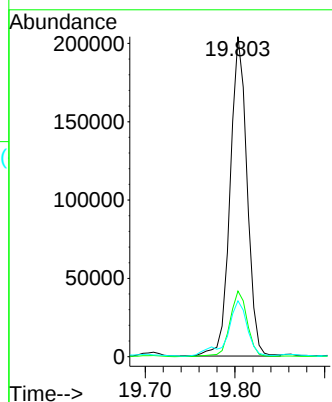
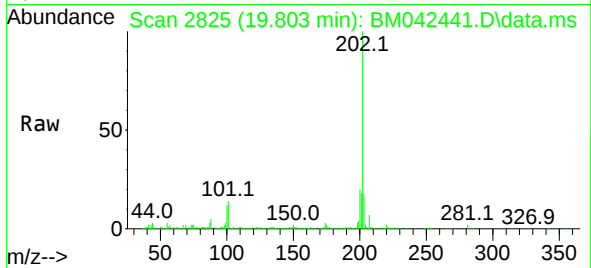




#78
 Pyrene
 Concen: 5.076 ng
 RT: 19.803 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

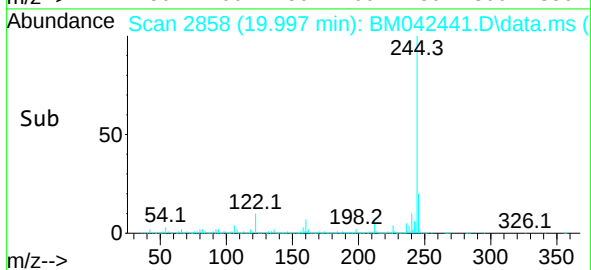
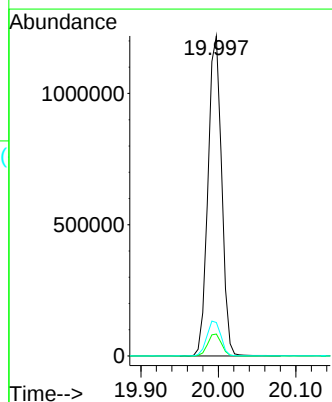
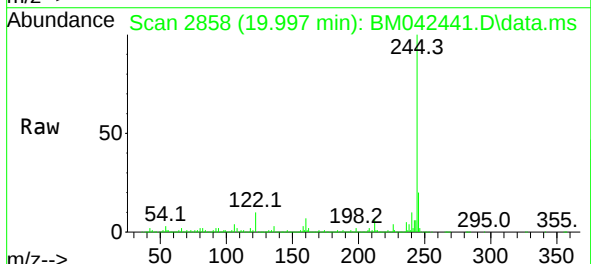
Instrument :
 BNA_M
 ClientSampleId :
 72-12017

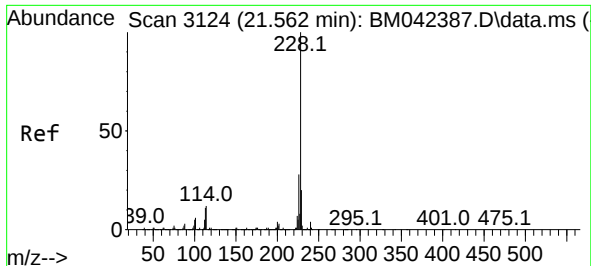
Tgt Ion:202 Resp: 267183
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.1 25.7
 203 17.4 14.1 21.1



#79
 Terphenyl-d14
 Concen: 35.041 ng
 RT: 19.997 min Scan# 2858
 Delta R.T. -0.012 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

Tgt Ion:244 Resp: 1488313
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.5 8.8 13.2

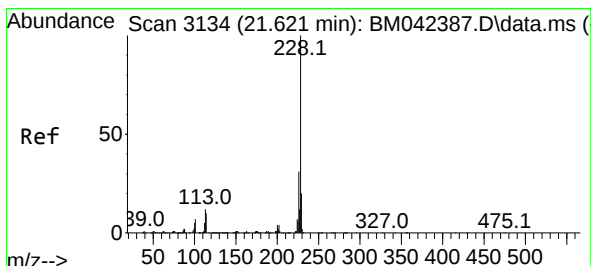
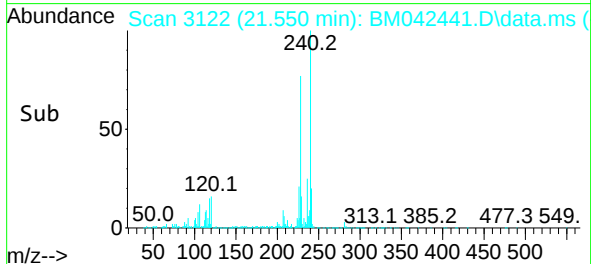
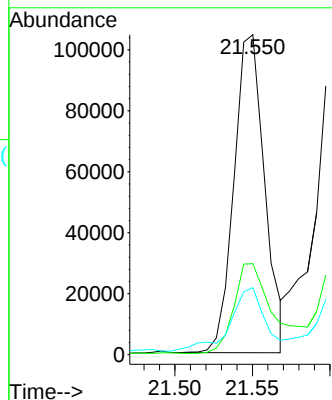
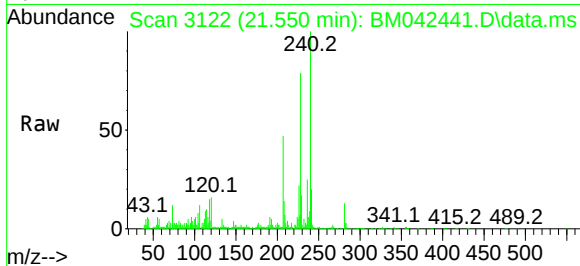




#81
Benzo(a)anthracene
Concen: 2.847 ng
RT: 21.550 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

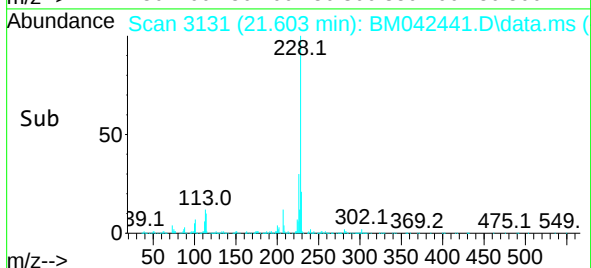
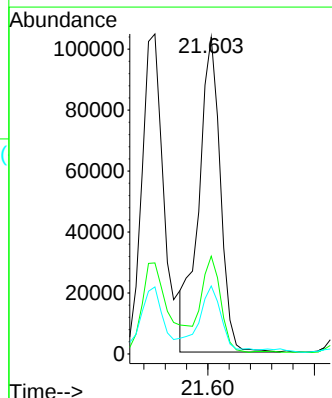
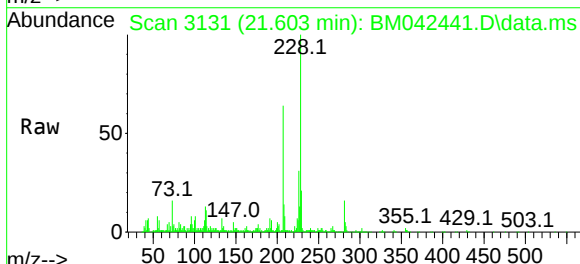
Instrument :
BNA_M
ClientSampleId :
72-12017

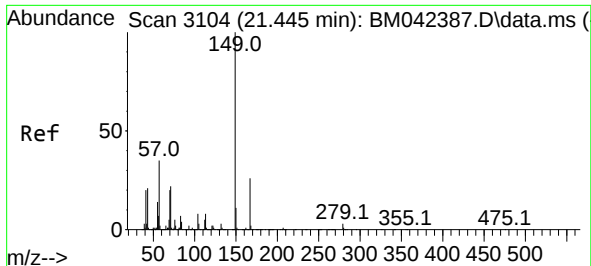
Tgt Ion:228 Resp: 143765
Ion Ratio Lower Upper
228 100
226 28.4 22.2 33.4
229 21.0 15.7 23.5



#83
Chrysene
Concen: 3.025 ng
RT: 21.603 min Scan# 3131
Delta R.T. -0.018 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:228 Resp: 146713
Ion Ratio Lower Upper
228 100
226 30.9 24.6 36.8
229 21.5 15.7 23.5

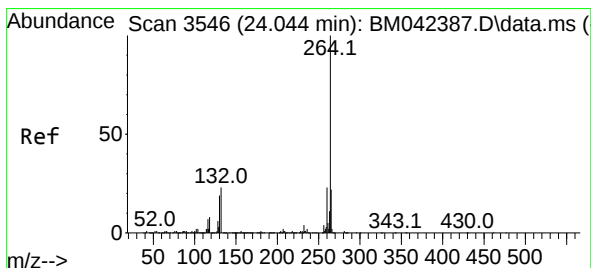
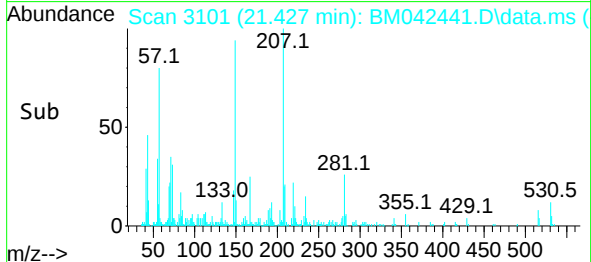
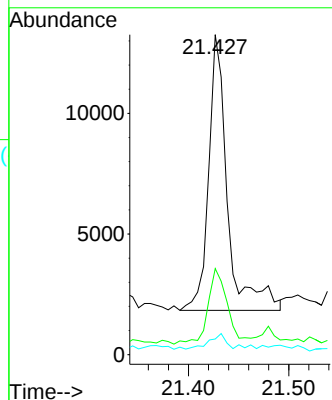
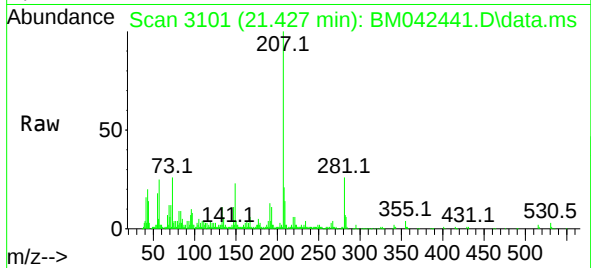




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.780 ng
 RT: 21.427 min Scan# 3104
 Delta R.T. -0.018 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

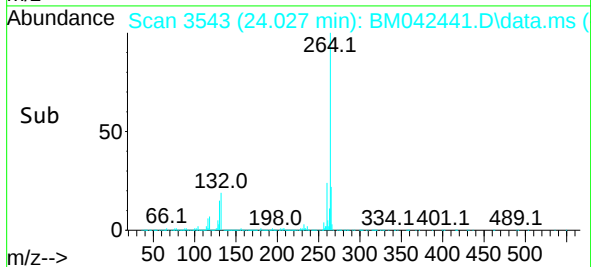
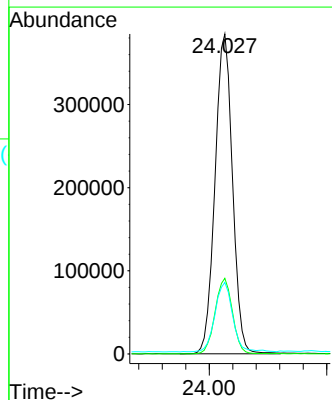
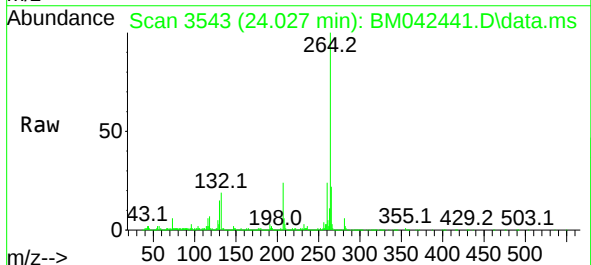
Instrument :
 BNA_M
 ClientSampleId :
 72-12017

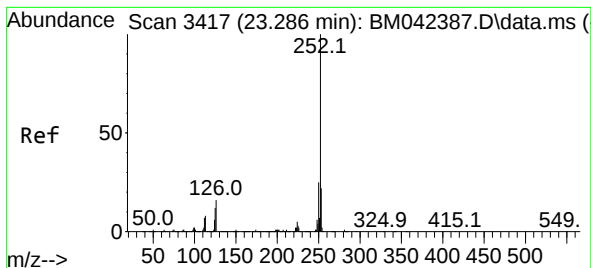
Tgt Ion:149 Resp: 14995
 Ion Ratio Lower Upper
 149 100
 167 26.9 20.9 31.3
 279 4.9 2.7 4.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.027 min Scan# 3543
 Delta R.T. -0.018 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

Tgt Ion:264 Resp: 794858
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 27.8
 265 22.3 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 3.667 ng

RT: 23.268 min Scan# 3417

Delta R.T. -0.018 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017

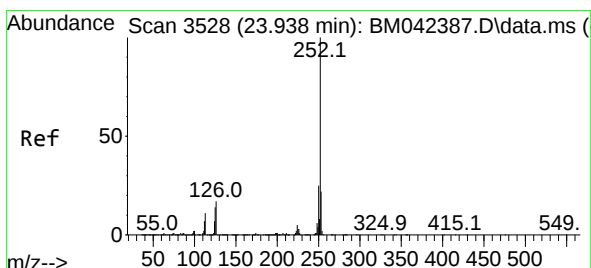
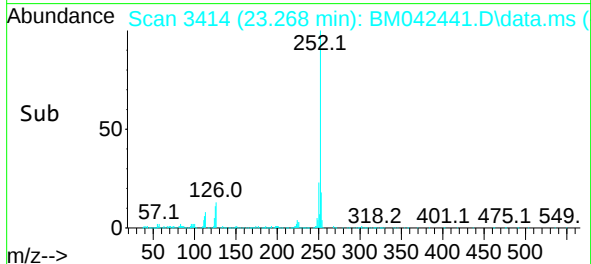
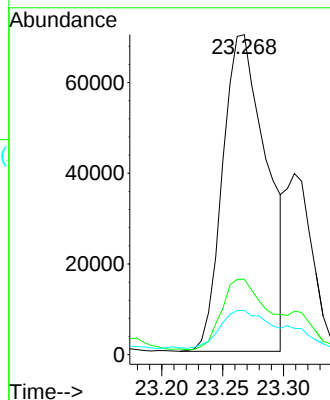
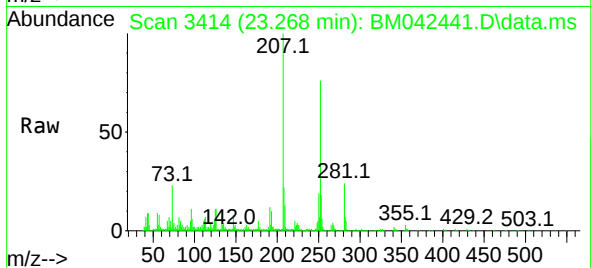
Tgt Ion:252 Resp: 175427

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 13.9 9.8 14.8



#90

Benzo(a)pyrene

Concen: 2.553 ng

RT: 23.909 min Scan# 3523

Delta R.T. -0.030 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Tgt Ion:252 Resp: 117587

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 14.5 10.9 16.3

