

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062824\
 Data File : BM046352.D
 Acq On : 28 Jun 2024 14:44
 Operator : MA/JU
 Sample : P3047-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-062424

Quant Time: Jun 28 15:21:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 03:23:08 2024
 Response via : Initial Calibration

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

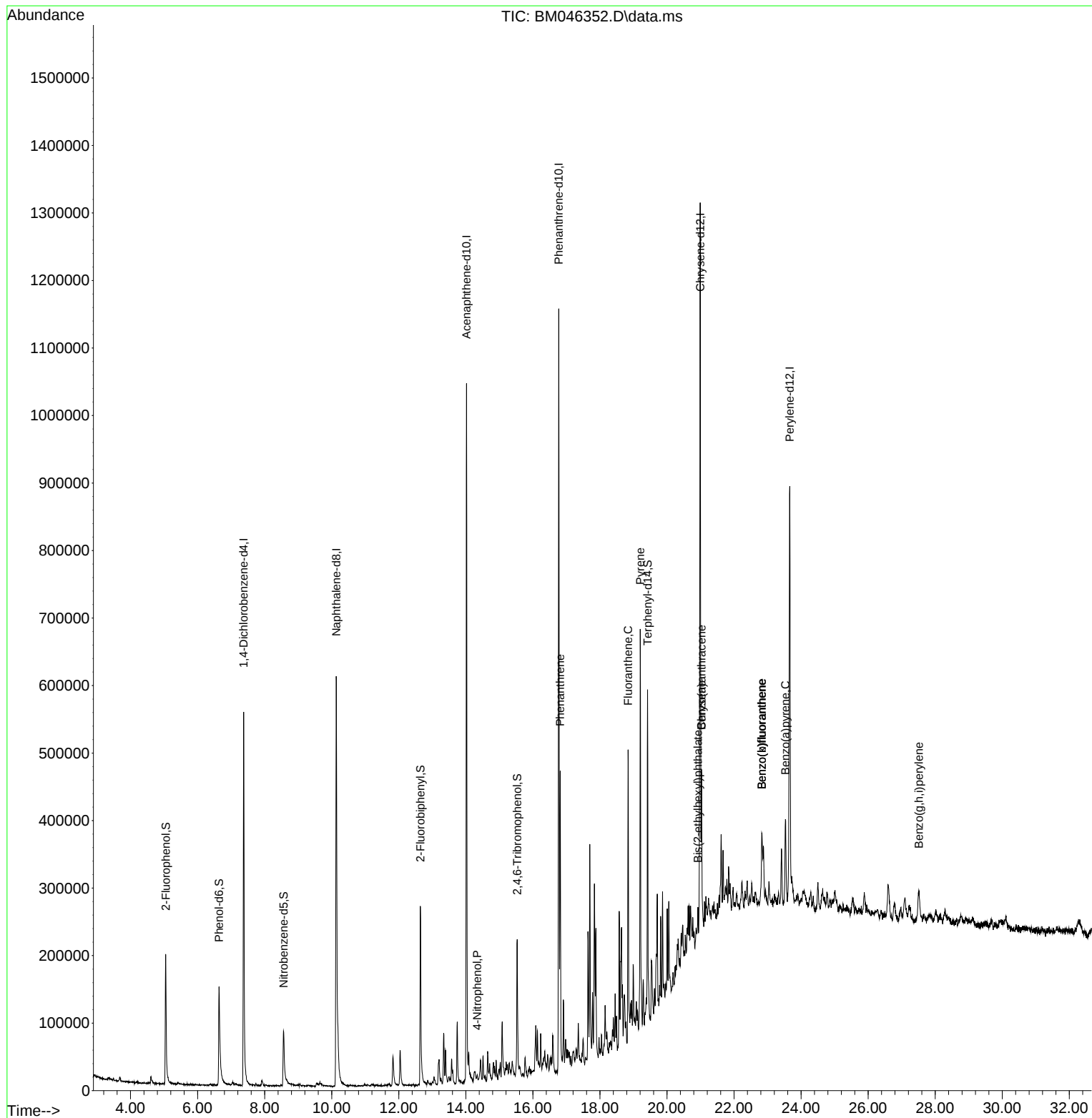
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	143990	20.000	ng	0.00
21) Naphthalene-d8	10.139	136	590298	20.000	ng	0.01
39) Acenaphthene-d10	14.021	164	332046	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	624413	20.000	ng	0.00
76) Chrysene-d12	20.991	240	423111	20.000	ng	0.00
86) Perylene-d12	23.662	264	475420	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.051	112	93081	10.391	ng	0.00
7) Phenol-d6	6.639	99	119019	9.353	ng	0.00
23) Nitrobenzene-d5	8.569	82	81055	5.692	ng	0.03
42) 2,4,6-Tribromophenol	15.533	330	32229	7.981	ng	0.00
45) 2-Fluorobiphenyl	12.645	172	159695	6.519	ng	0.01
79) Terphenyl-d14	19.421	244	193713	7.575	ng	-0.01
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.339	139	253	3.700	ng	# 63
71) Phenanthrene	16.815	178	236079	7.105	ng	99
75) Fluoranthene	18.839	202	208925	5.321	ng	97
78) Pyrene	19.203	202	320487	10.905	ng	98
81) Benzo(a)anthracene	21.033	228	129253	4.657	ng	95
83) Chrysene	21.033	228	129253	4.869	ng	98
84) Bis(2-ethylhexyl)phtha...	20.921	149	11051	2.882	ng	96
88) Benzo(b)fluoranthene	22.833	252	103411	3.672	ng	# 89
89) Benzo(k)fluoranthene	22.833	252	103411	3.692	ng	# 91
90) Benzo(a)pyrene	23.532	252	97471	3.941	ng	97
92) Benzo(g,h,i)perylene	27.515	276	64318	2.550	ng	97

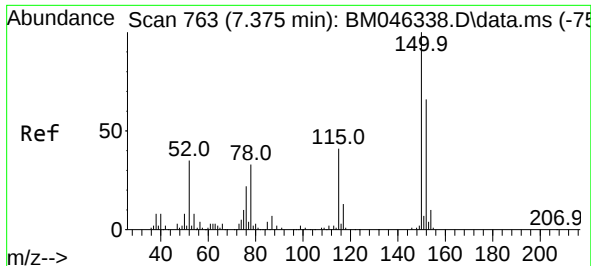
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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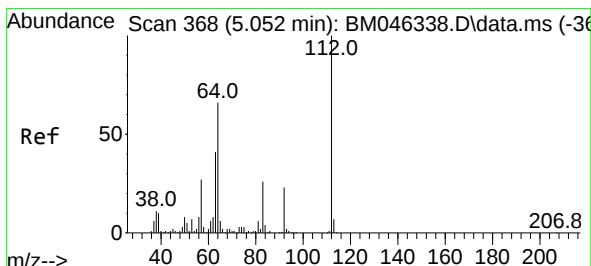
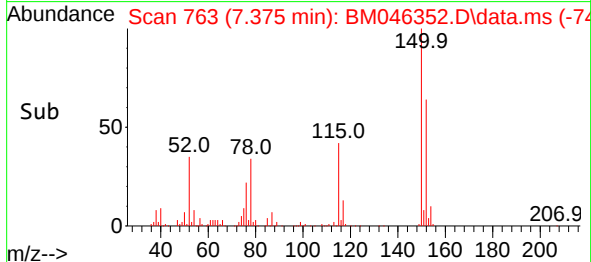
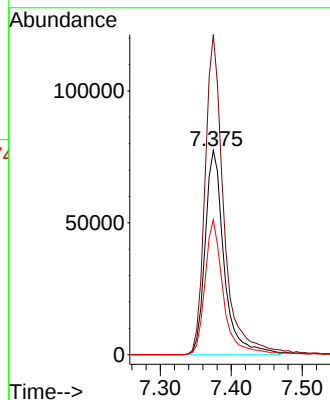
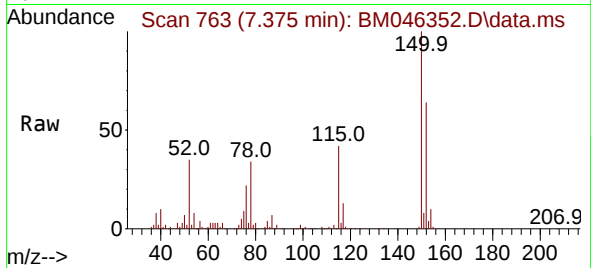




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

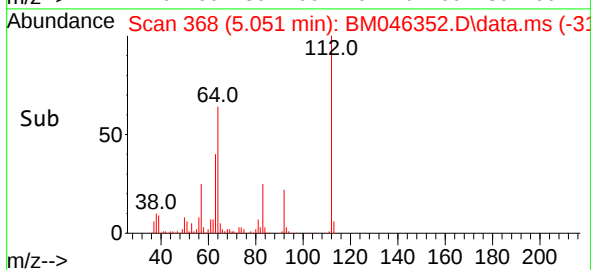
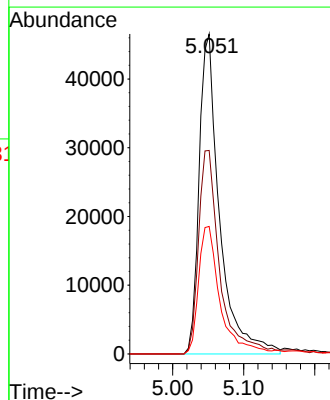
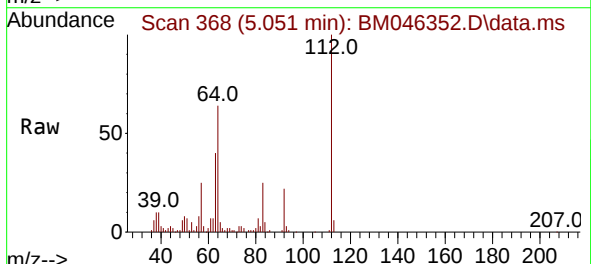
Instrument :
BNA_M
ClientSampleId :
EO-01-062424

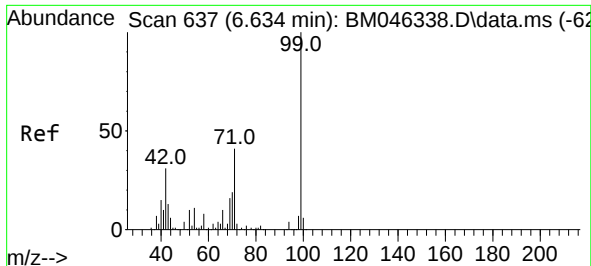
Tgt Ion:152 Resp: 143990
Ion Ratio Lower Upper
152 100
150 156.6 122.1 183.1
115 66.0 50.2 75.4



#5
2-Fluorophenol
Concen: 10.391 ng
RT: 5.051 min Scan# 368
Delta R.T. -0.000 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Tgt Ion:112 Resp: 93081
Ion Ratio Lower Upper
112 100
64 63.6 52.8 79.2
63 39.9 32.9 49.3

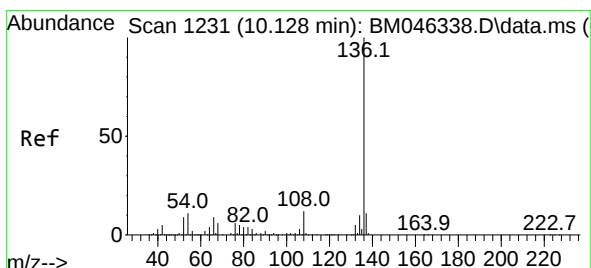
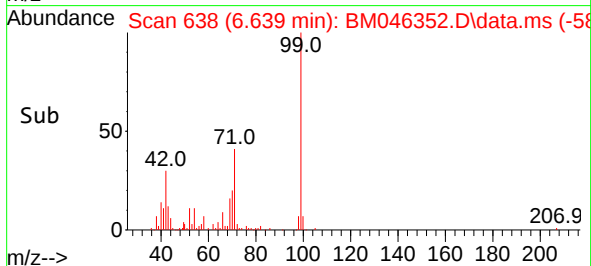
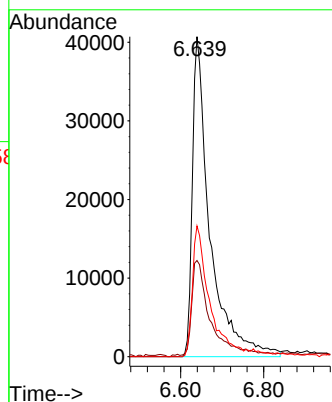
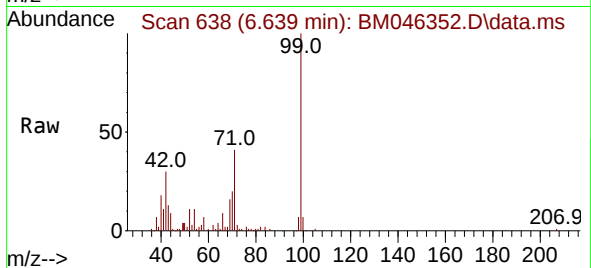




#7
Phenol-d6
Concen: 9.353 ng
RT: 6.639 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

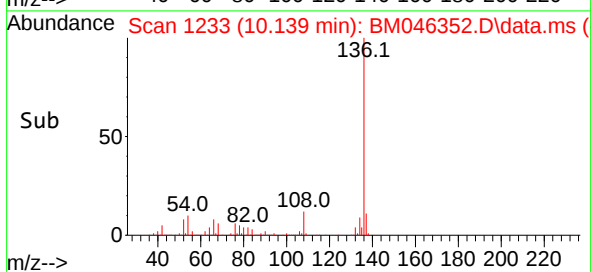
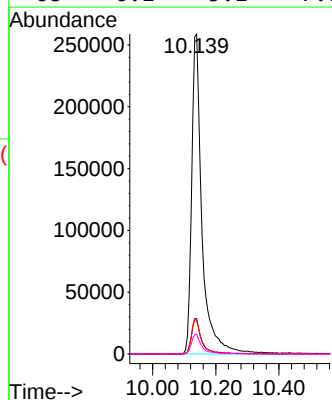
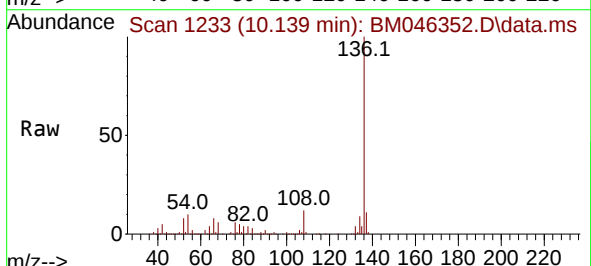
Instrument :
BNA_M
ClientSampleId :
EO-01-062424

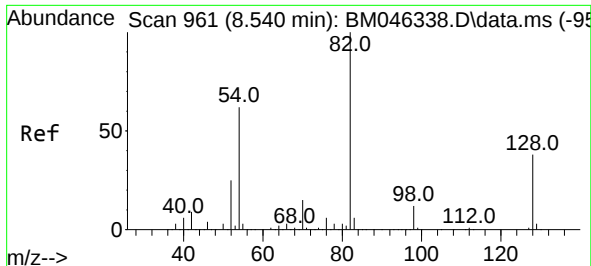
Tgt Ion: 99 Resp: 119019
Ion Ratio Lower Upper
99 100
42 30.1 24.8 37.2
71 40.9 33.1 49.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.139 min Scan# 1233
Delta R.T. 0.011 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Tgt Ion: 136 Resp: 590298
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.3 9.0 13.4
68 6.1 5.1 7.7

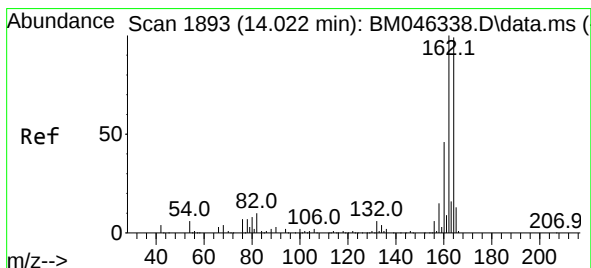
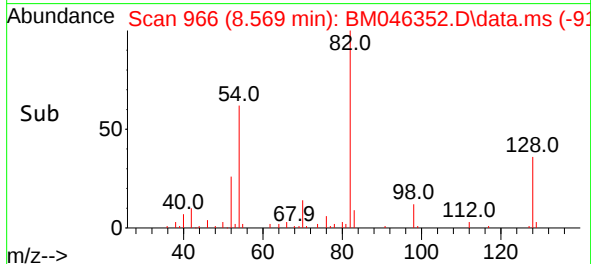
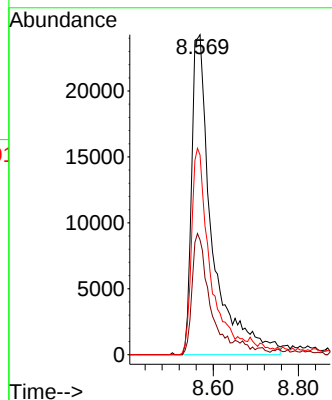
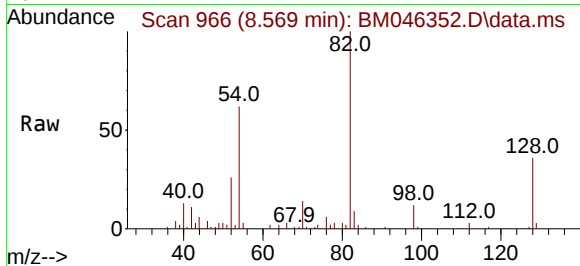




#23
Nitrobenzene-d5
Concen: 5.692 ng
RT: 8.569 min Scan# 961
Delta R.T. 0.029 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

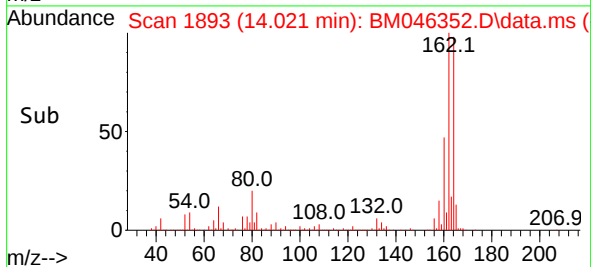
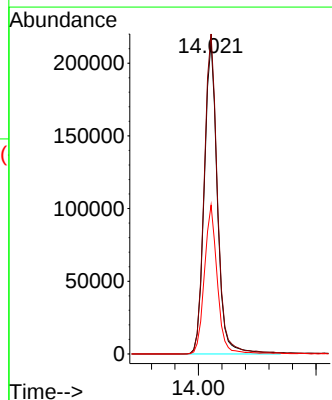
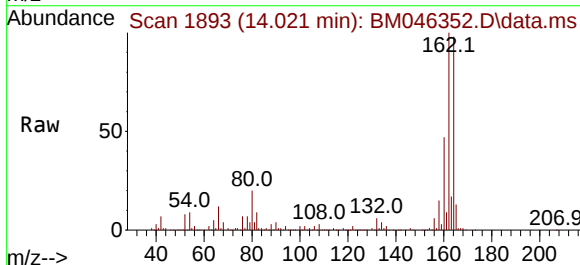
Instrument :
BNA_M
ClientSampleId :
EO-01-062424

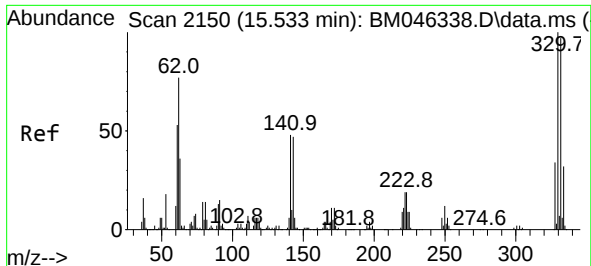
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.8	30.6	46.0
54	62.4	49.6	74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.021 min Scan# 1893
Delta R.T. -0.001 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.5	120.7
160	47.7	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 7.981 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046352.D

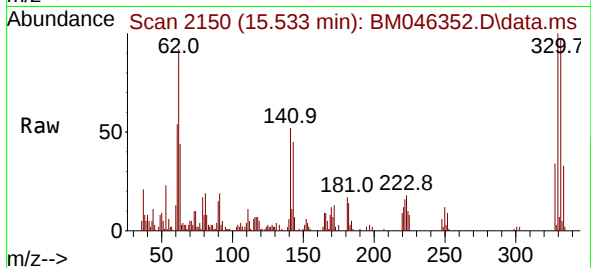
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Instrument :

BNA_M

ClientSampleId :

EO-01-062424



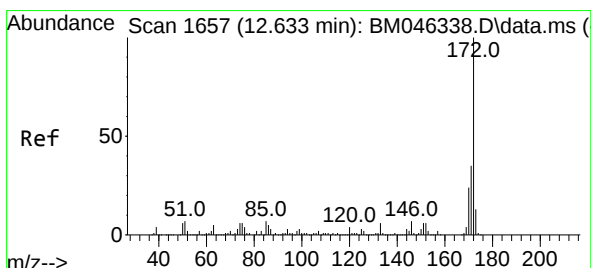
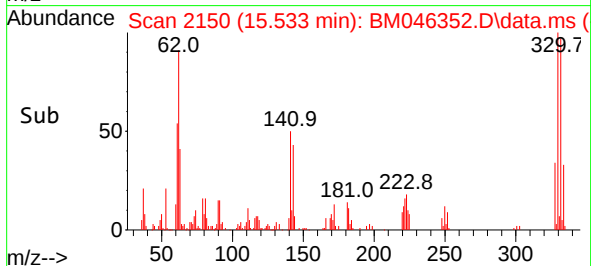
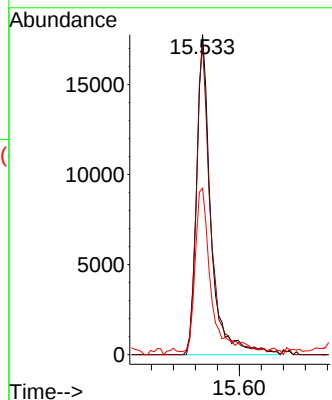
Tgt Ion:330 Resp: 32229

Ion Ratio Lower Upper

330 100

332 97.7 77.8 116.6

141 52.1 43.2 64.8



#45

2-Fluorobiphenyl

Concen: 6.519 ng

RT: 12.645 min Scan# 1659

Delta R.T. 0.012 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

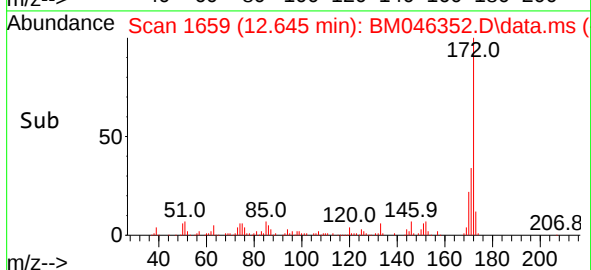
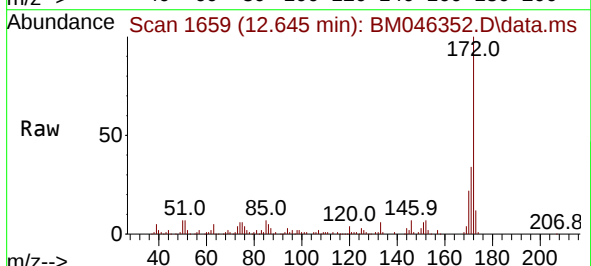
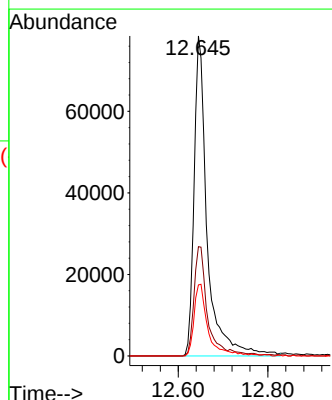
Tgt Ion:172 Resp: 159695

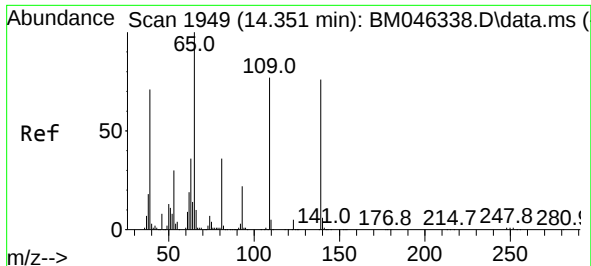
Ion Ratio Lower Upper

172 100

171 34.1 28.1 42.1

170 22.2 19.4 29.0

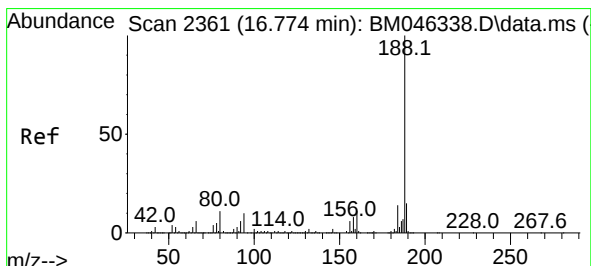
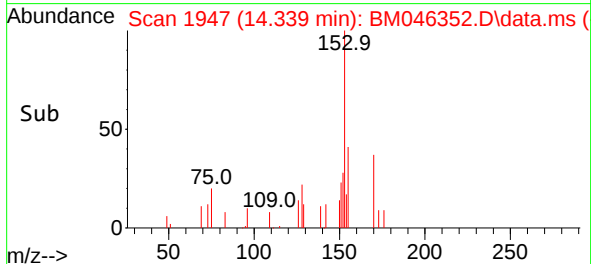
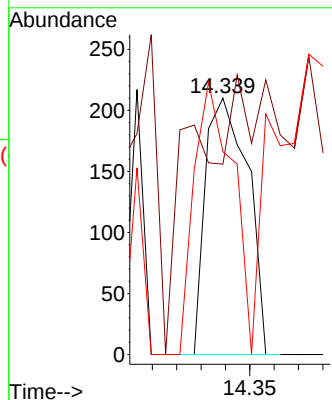
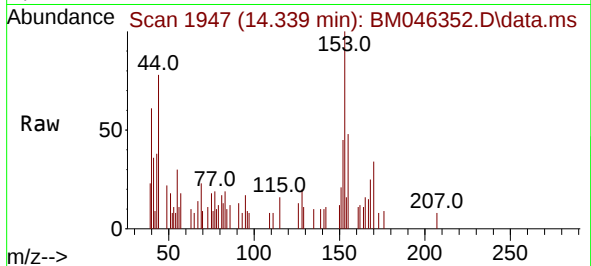




#56
4-Nitrophenol
Concen: 3.700 ng
RT: 14.339 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

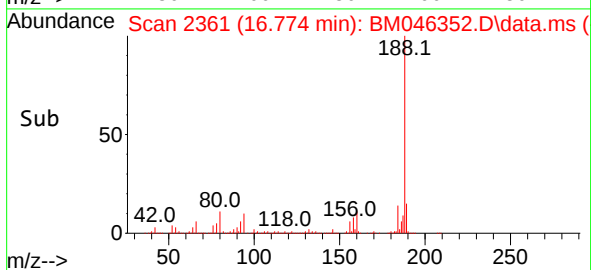
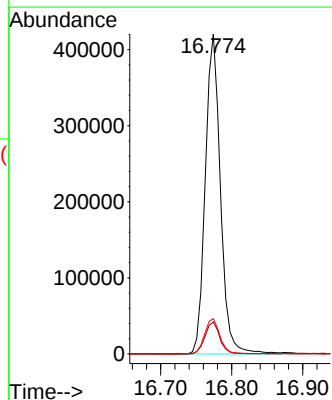
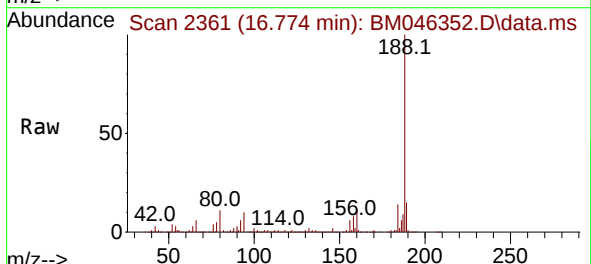
Instrument :
BNA_M
ClientSampleId :
EO-01-062424

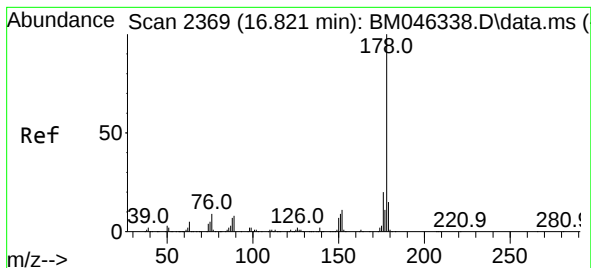
Tgt Ion:139 Resp: 253
Ion Ratio Lower Upper
139 100
109 74.3 82.0 122.0#
65 79.0 112.0 152.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Tgt Ion:188 Resp: 624413
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 11.0 9.0 13.6





#71

Phenanthrene

Concen: 7.105 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

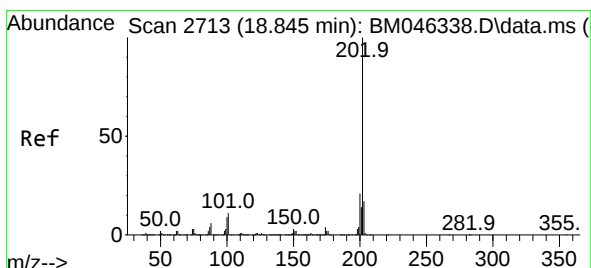
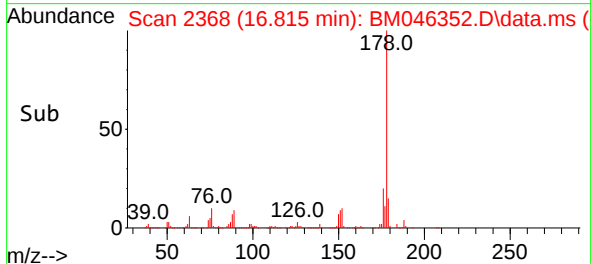
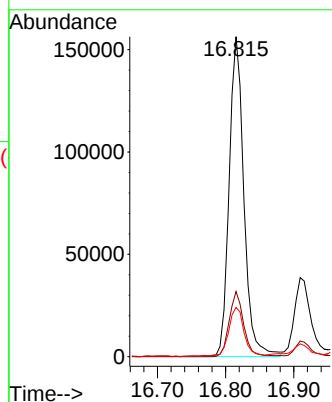
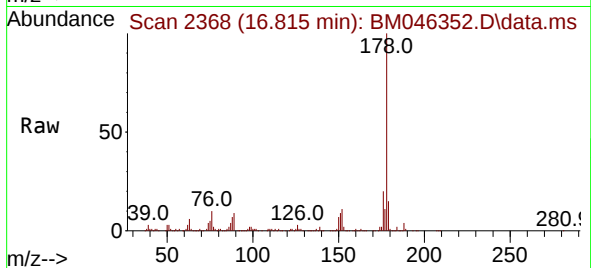
Tgt Ion:178 Resp: 236079

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

179 15.4 12.2 18.4



#75

Fluoranthene

Concen: 5.321 ng

RT: 18.839 min Scan# 2712

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

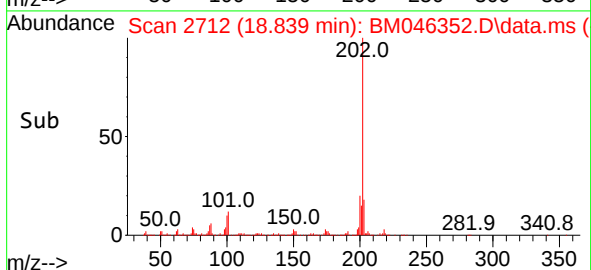
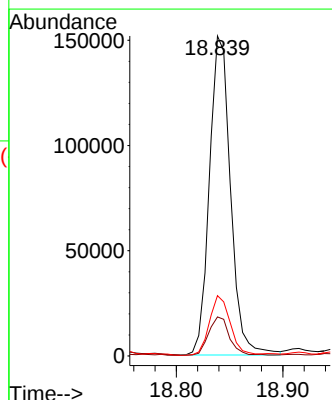
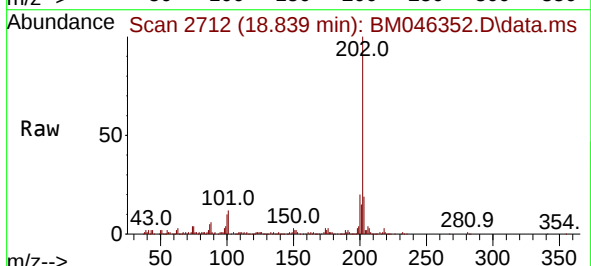
Tgt Ion:202 Resp: 208925

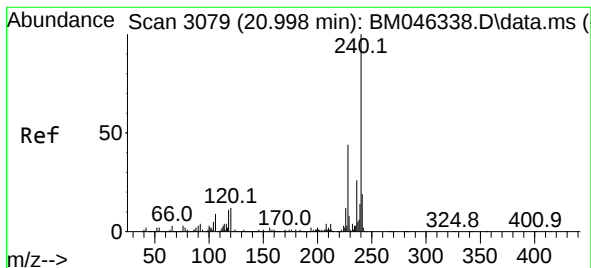
Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

203 18.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.991 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

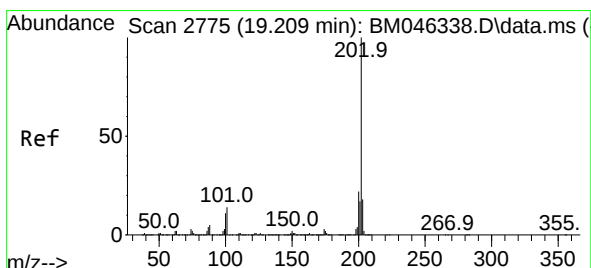
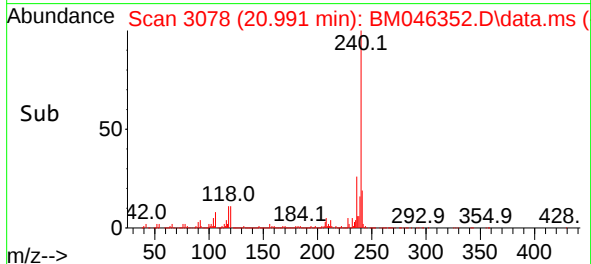
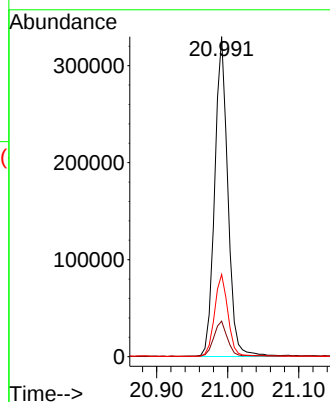
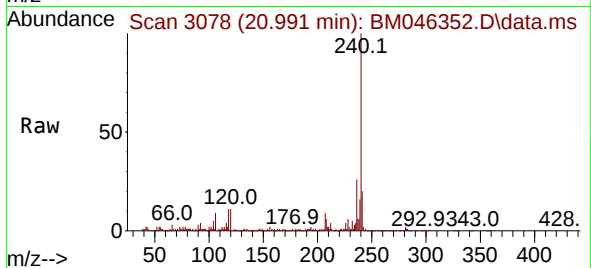
Tgt Ion:240 Resp: 423111

Ion Ratio Lower Upper

240 100

120 11.1 9.3 13.9

236 25.7 20.5 30.7



#78

Pyrene

Concen: 10.905 ng

RT: 19.203 min Scan# 2774

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

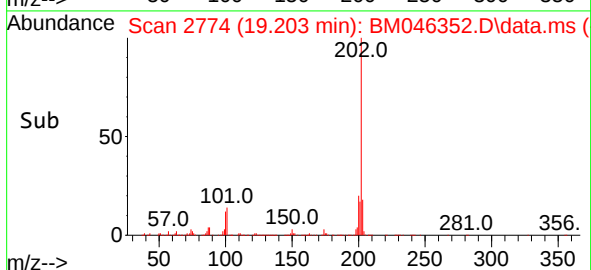
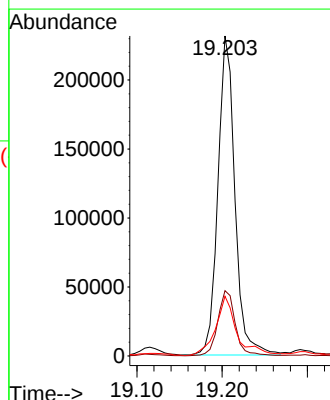
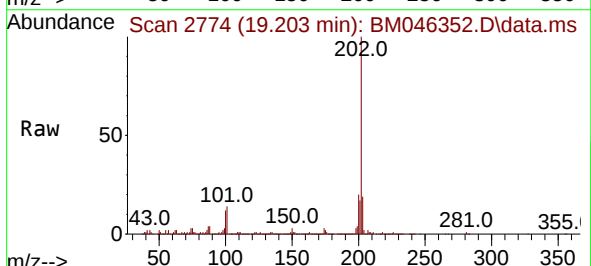
Tgt Ion:202 Resp: 320487

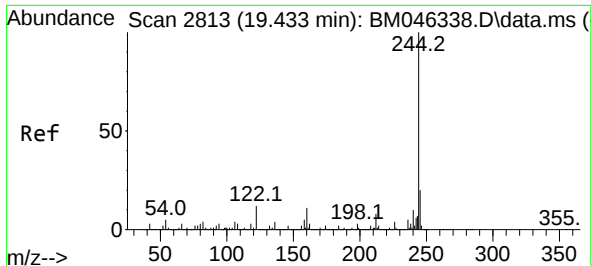
Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 18.7 14.3 21.5

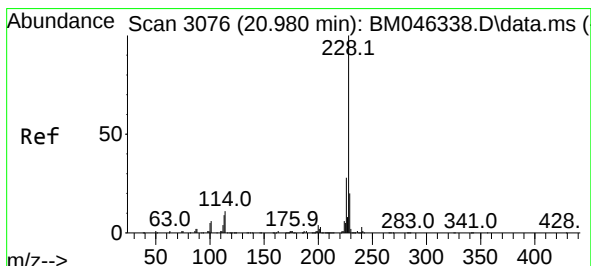
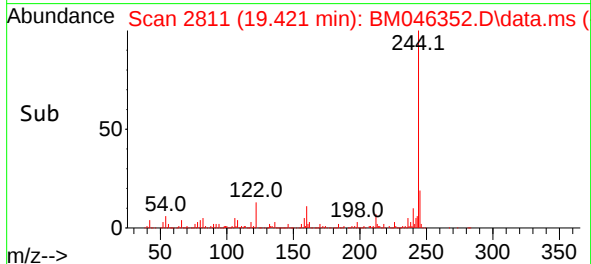
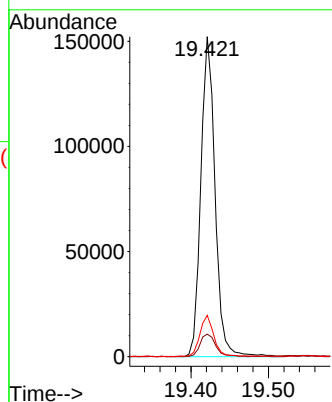
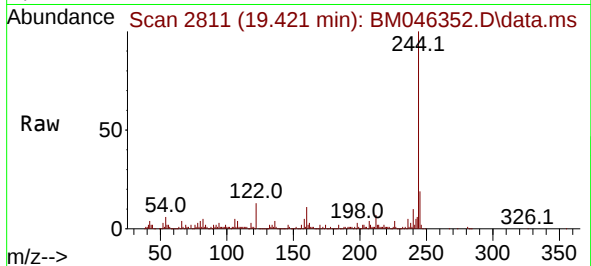




#79
 Terphenyl-d14
 Concen: 7.575 ng
 RT: 19.421 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM046352.D
 Acq: 28 Jun 2024 14:44

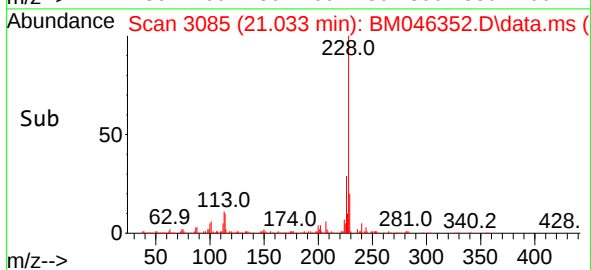
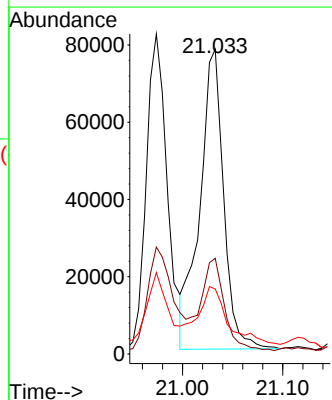
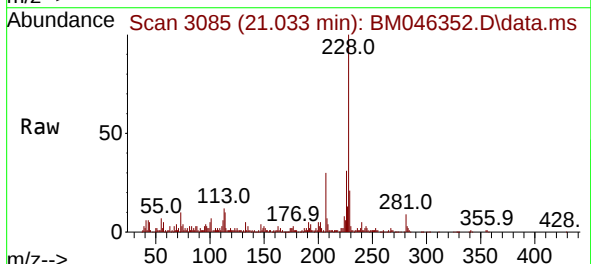
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-062424

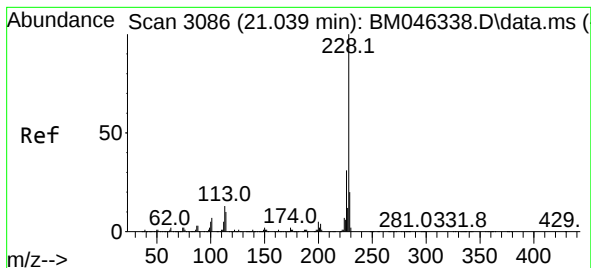
Tgt Ion:244 Resp: 193713
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 12.9 9.4 14.0



#81
 Benzo(a)anthracene
 Concen: 4.657 ng
 RT: 21.033 min Scan# 3085
 Delta R.T. 0.053 min
 Lab File: BM046352.D
 Acq: 28 Jun 2024 14:44

Tgt Ion:228 Resp: 129253
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.5 33.7
 229 21.3 15.9 23.9





#83

Chrysene

Concen: 4.869 ng

RT: 21.033 min Scan# 3086

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

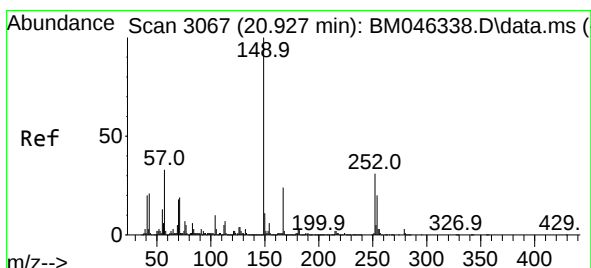
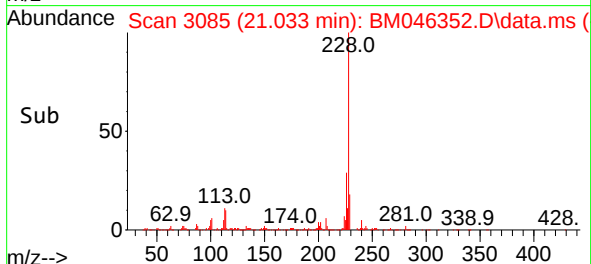
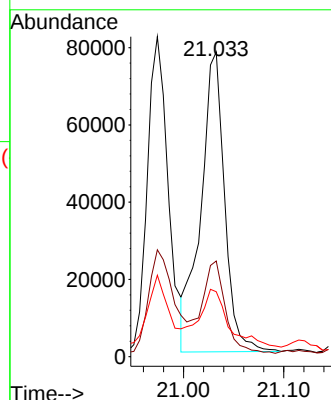
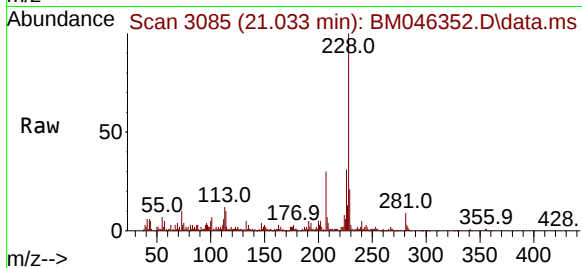
Tgt Ion:228 Resp: 129253

Ion Ratio Lower Upper

228 100

226 31.4 24.6 36.8

229 21.3 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.882 ng

RT: 20.921 min Scan# 3066

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

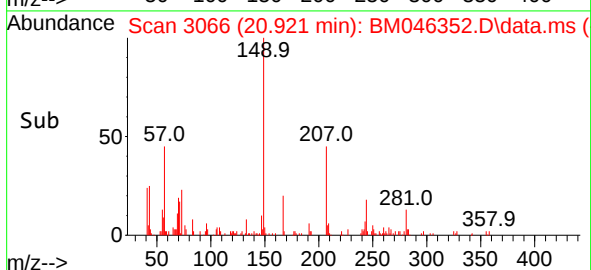
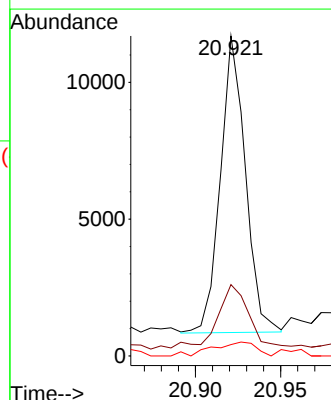
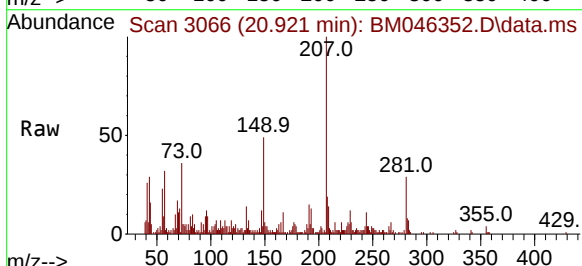
Tgt Ion:149 Resp: 11051

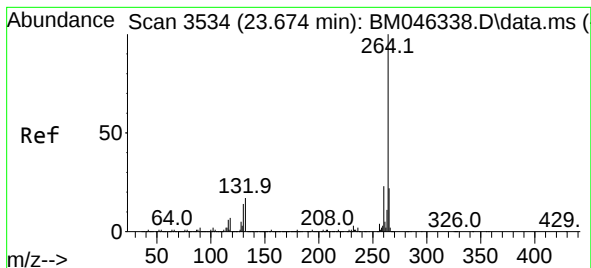
Ion Ratio Lower Upper

149 100

167 22.3 19.6 29.4

279 3.5 2.6 4.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.662 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

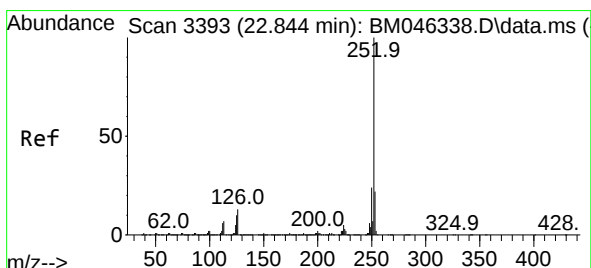
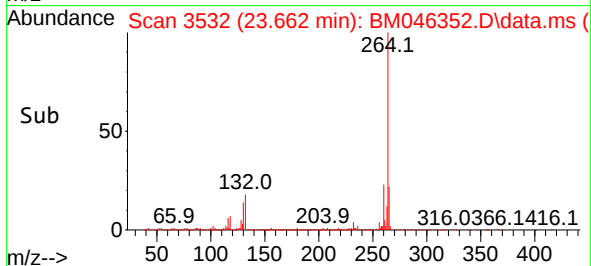
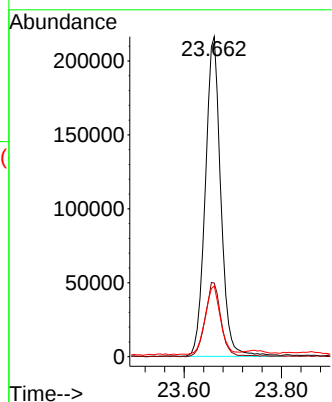
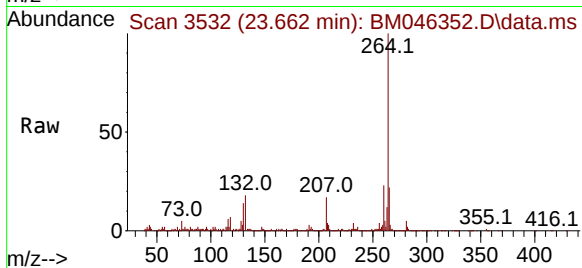
Tgt Ion:264 Resp: 475420

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 22.1 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 3.672 ng

RT: 22.833 min Scan# 3391

Delta R.T. -0.012 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

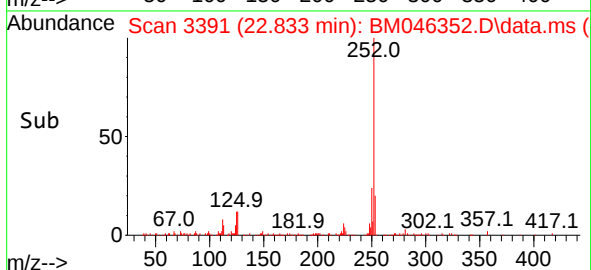
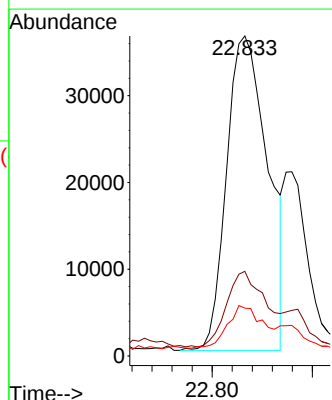
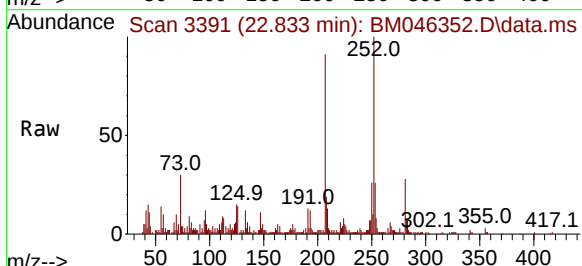
Tgt Ion:252 Resp: 103411

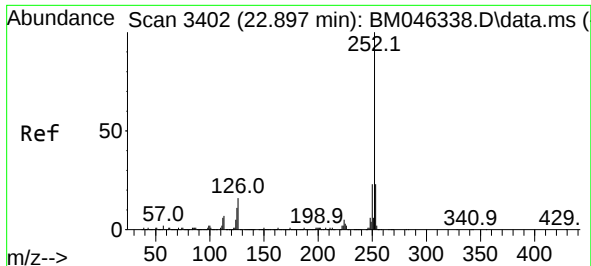
Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.0#

125 15.0 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 3.692 ng

RT: 22.833 min Scan# 31

Delta R.T. -0.065 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

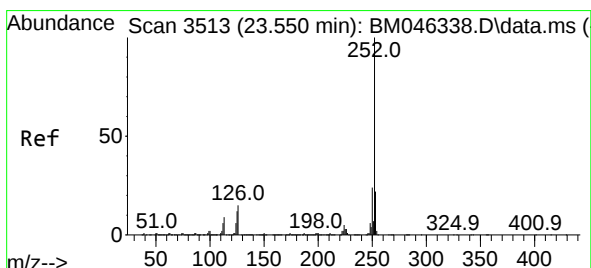
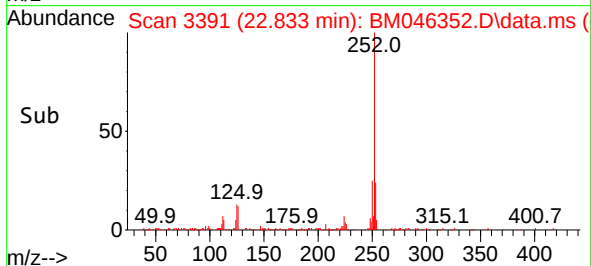
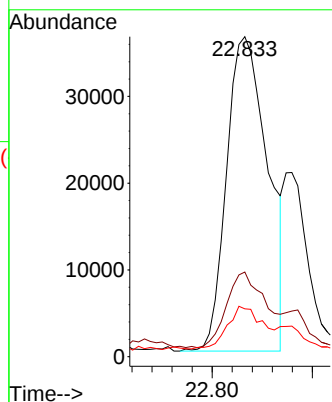
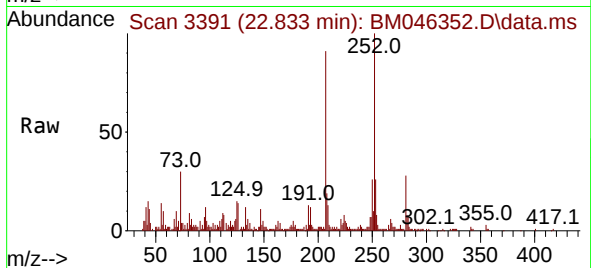
Tgt Ion:252 Resp: 103411

Ion Ratio Lower Upper

252 100

253 26.4 17.8 26.8

125 15.0 8.9 13.3#



#90

Benzo(a)pyrene

Concen: 3.941 ng

RT: 23.532 min Scan# 3510

Delta R.T. -0.018 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

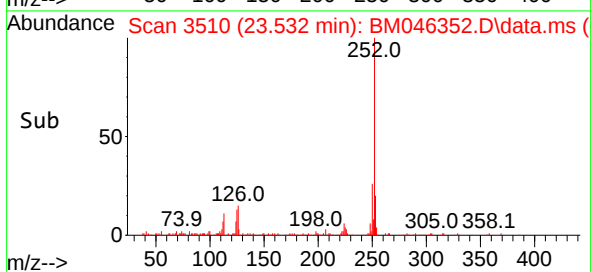
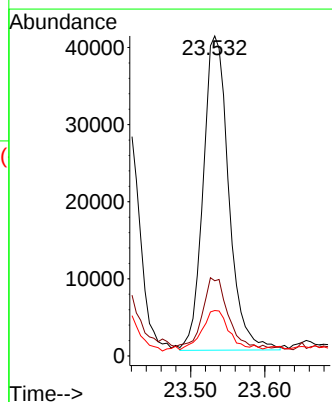
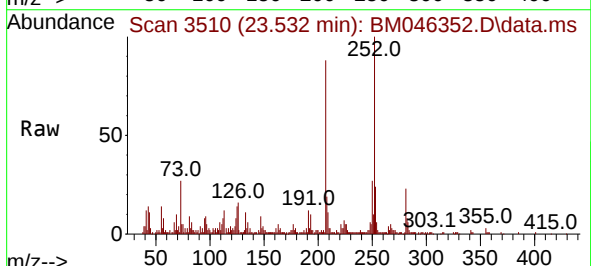
Tgt Ion:252 Resp: 97471

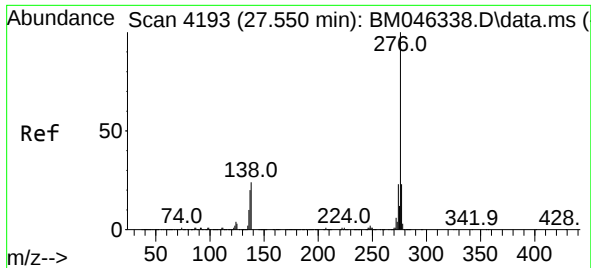
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

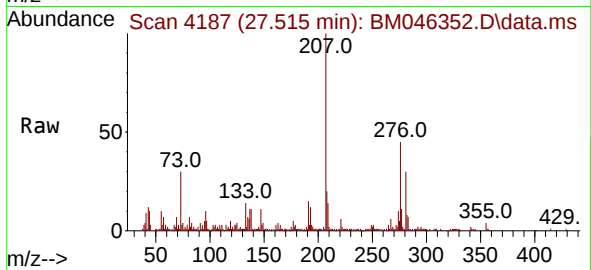
125 14.2 9.8 14.6





#92
Benzo(g,h,i)perylene
Concen: 2.550 ng
RT: 27.515 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Instrument :
BNA_M
ClientSampleId :
EO-01-062424



Tgt Ion:276 Resp: 64318
Ion Ratio Lower Upper
276 100
277 24.6 18.5 27.7
138 25.6 19.0 28.4

