

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019824.D
 Acq On : 22 Feb 2024 14:58
 Operator : MA/JU
 Sample : P1547-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-022024

Quant Time: Feb 22 15:24:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

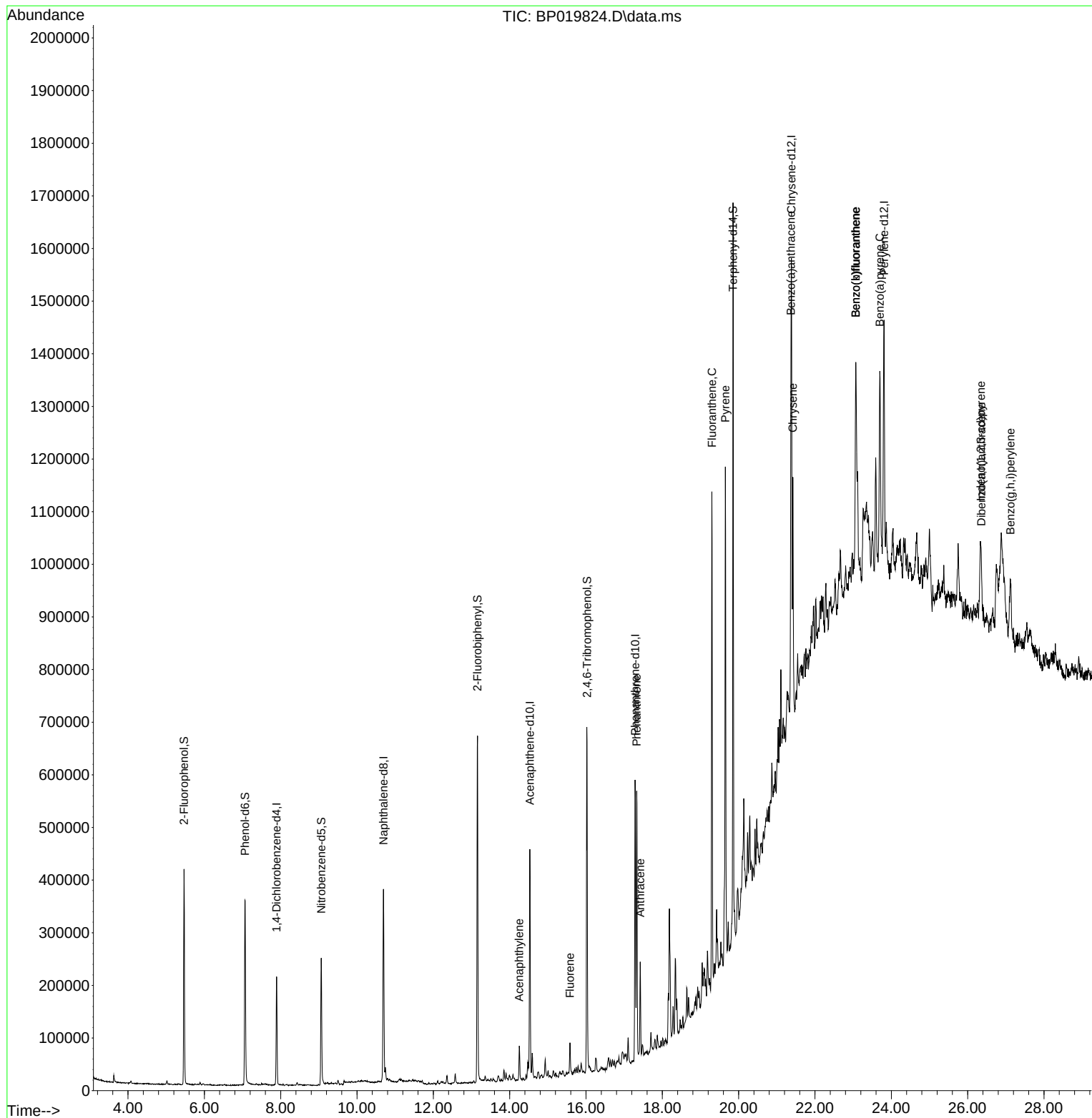
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	56073	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	304517	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	155558	20.000	ng	-0.01
64) Phenanthrene-d10	17.287	188	348606	20.000	ng	0.00
76) Chrysene-d12	21.380	240	335988	20.000	ng	-0.01
86) Perylene-d12	23.810	264	376145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	170650	49.056	ng	0.00
7) Phenol-d6	7.064	99	217140	46.294	ng	0.00
23) Nitrobenzene-d5	9.063	82	153748	21.878	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	141788	62.427	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	378122	30.050	ng	0.00
79) Terphenyl-d14	19.851	244	706894	34.600	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.251	152	47432	3.317	ng	97
58) Fluorene	15.581	166	29510	2.563	ng	96
71) Phenanthrene	17.328	178	319241	17.401	ng	99
72) Anthracene	17.422	178	116261	6.353	ng	98
75) Fluoranthene	19.298	202	573721	25.599	ng	99
78) Pyrene	19.651	202	578936	24.415	ng	100
81) Benzo(a)anthracene	21.369	228	309753	13.097	ng	93
83) Chrysene	21.422	228	276980	12.335	ng	96
87) Indeno(1,2,3-cd)pyrene	26.345	276	191481	6.650	ng	# 96
88) Benzo(b)fluoranthene	23.069	252	388722	16.397	ng	# 89
89) Benzo(k)fluoranthene	23.069	252	388722	17.166	ng	# 89
90) Benzo(a)pyrene	23.698	252	289727	13.735	ng	95
91) Dibenzo(a,h)anthracene	26.363	278	52469	2.216	ng	# 72
92) Benzo(g,h,i)perylene	27.121	276	190107	7.913	ng	96

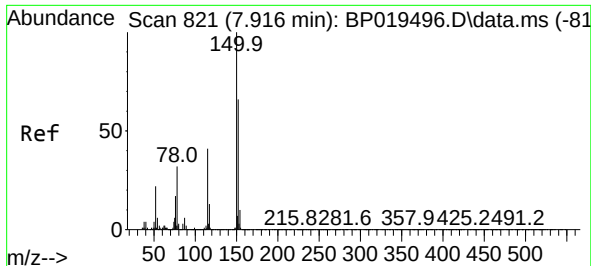
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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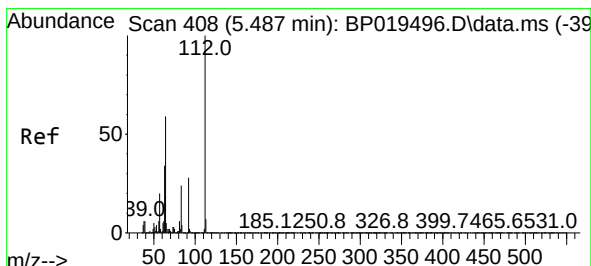
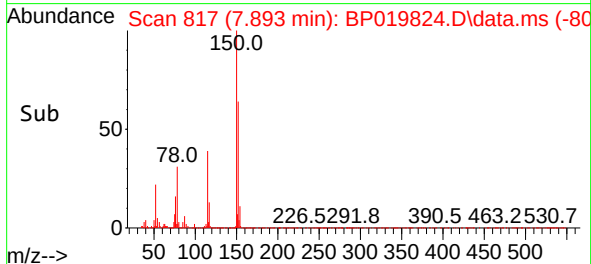
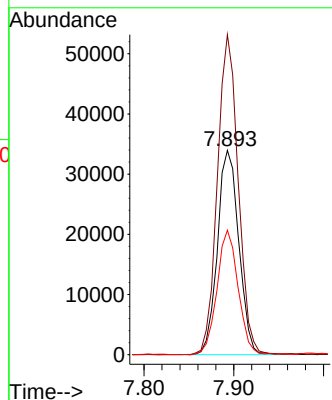
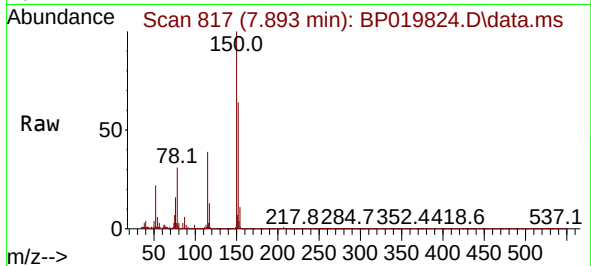




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

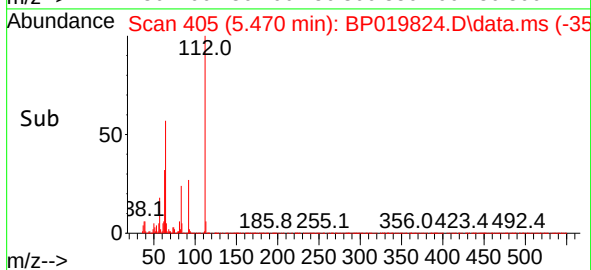
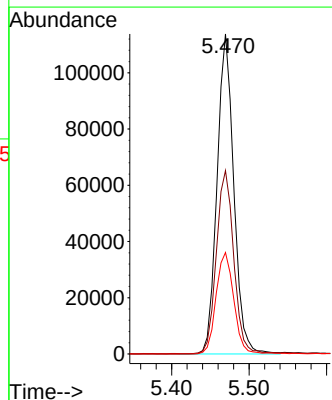
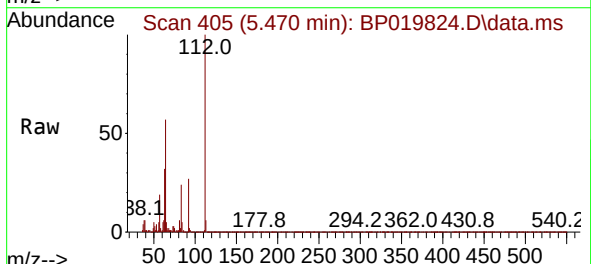
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

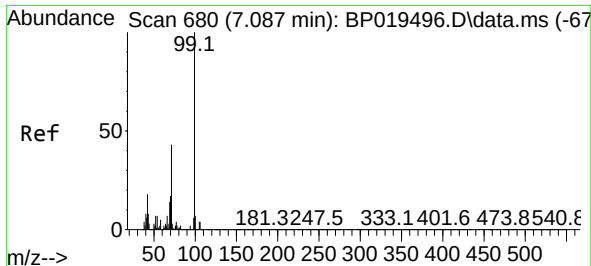
Tgt Ion:152 Resp: 56073
Ion Ratio Lower Upper
152 100
150 156.6 121.8 182.8
115 61.0 49.9 74.9



#5
2-Fluorophenol
Concen: 49.056 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:112 Resp: 170650
Ion Ratio Lower Upper
112 100
64 57.3 47.4 71.0
63 31.7 27.0 40.6

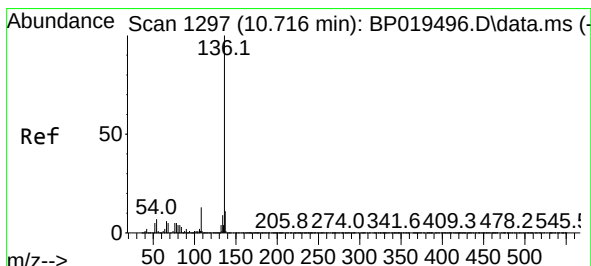
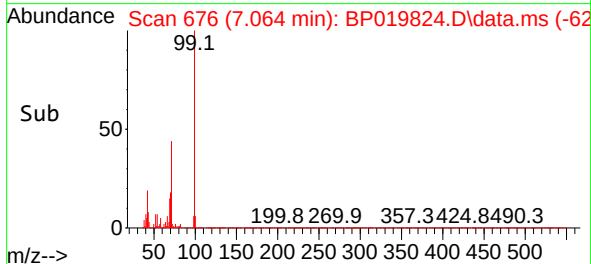
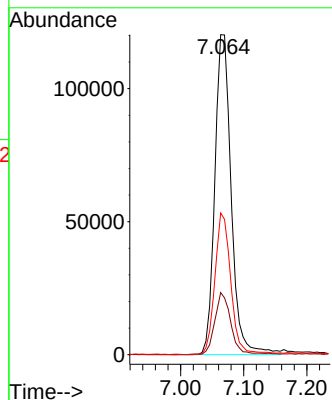
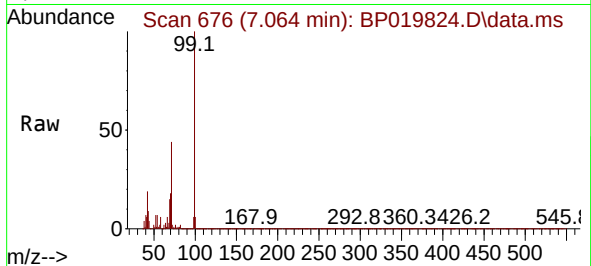




#7
Phenol-d6
Concen: 46.294 ng
RT: 7.064 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

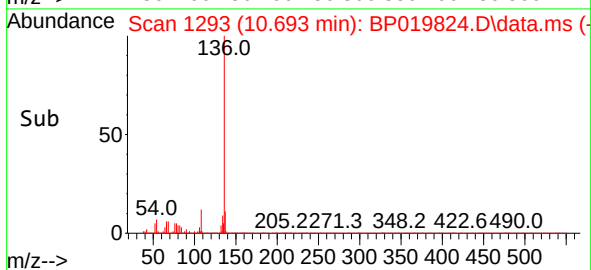
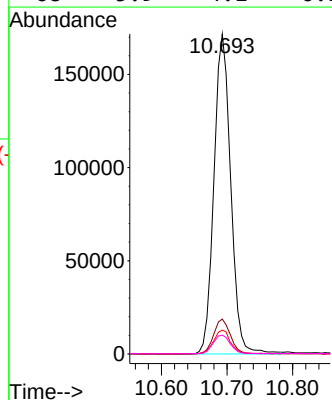
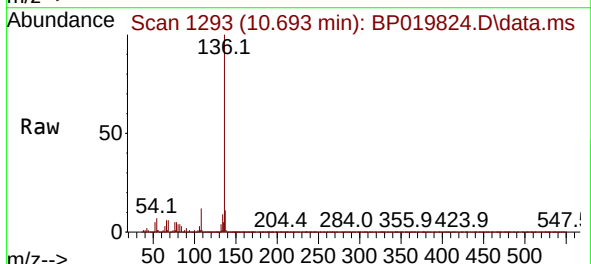
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

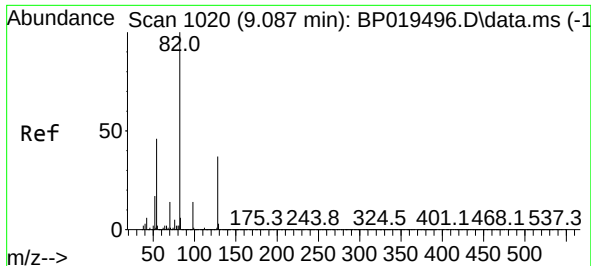
Tgt Ion:	99	Resp:	217140
Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.7	22.1
71	44.3	34.8	52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:	136	Resp:	304517
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.5	5.3	7.9
68	5.9	4.1	6.1

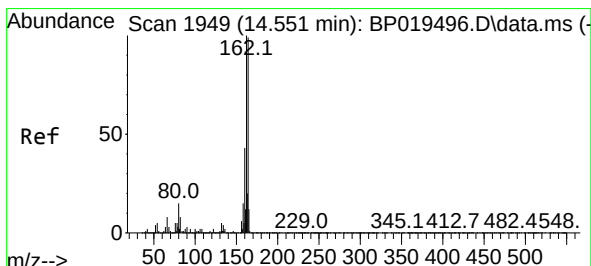
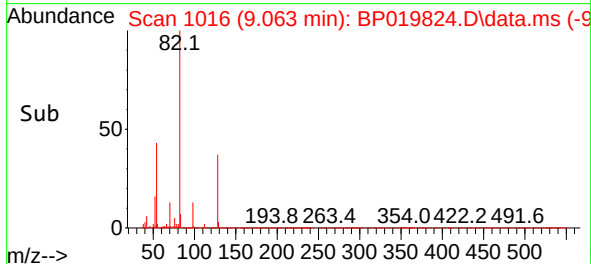
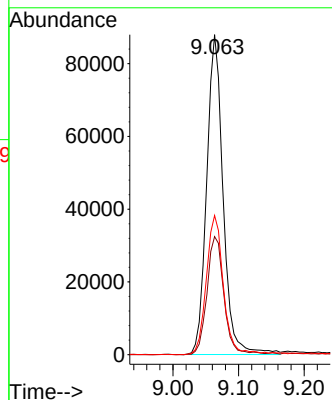
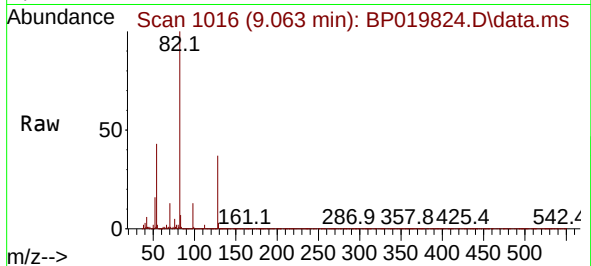




#23
Nitrobenzene-d5
Concen: 21.878 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

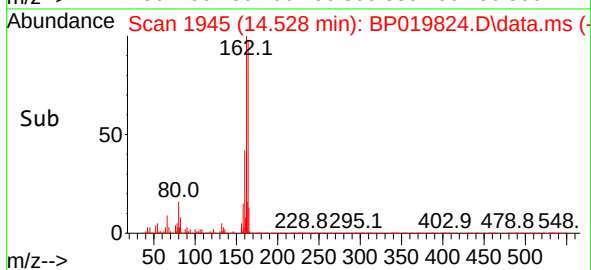
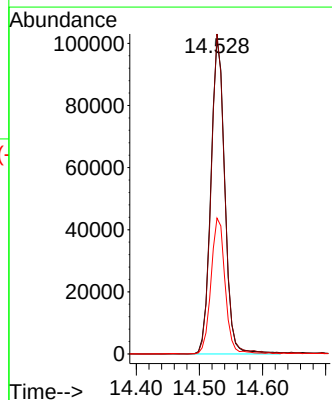
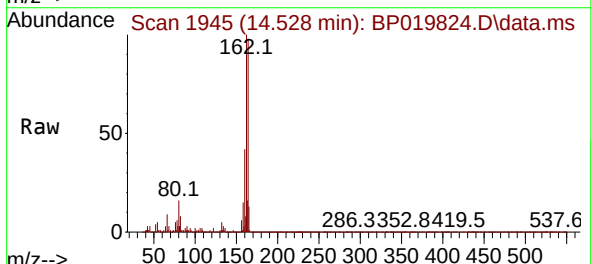
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

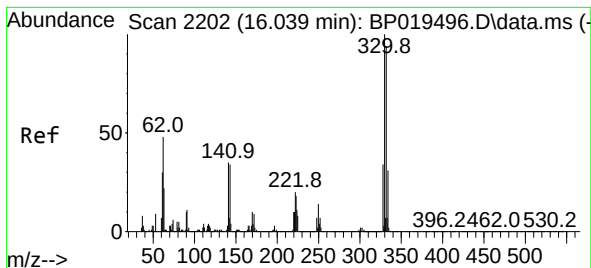
Tgt Ion: 82 Resp: 153748
Ion Ratio Lower Upper
82 100
128 36.9 29.7 44.5
54 43.5 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion: 164 Resp: 155558
Ion Ratio Lower Upper
164 100
162 101.7 81.2 121.8
160 43.1 35.1 52.7

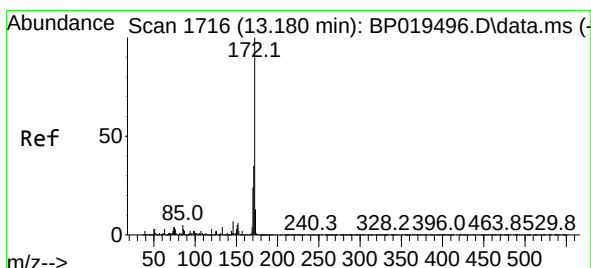
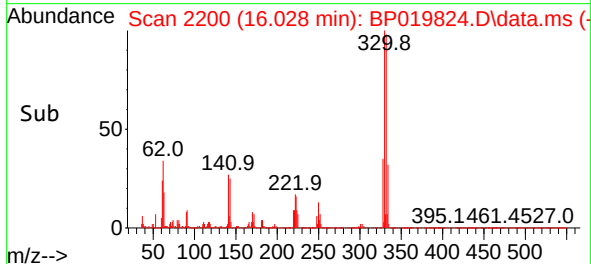
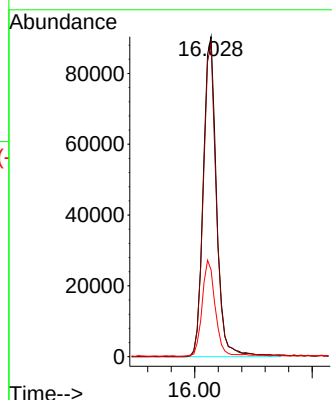
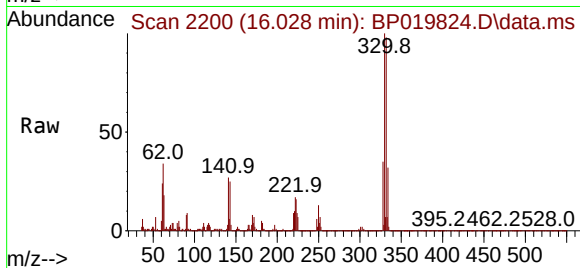




#42
2,4,6-Tribromophenol
Concen: 62.427 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

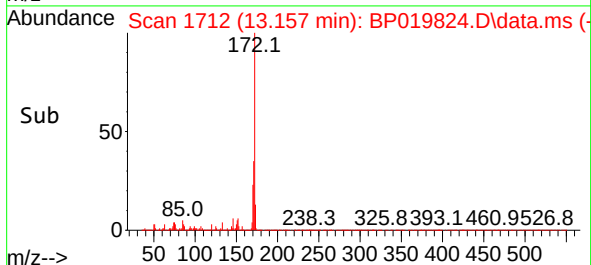
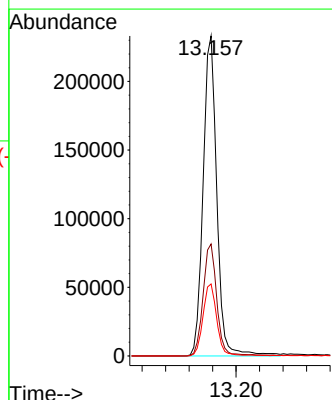
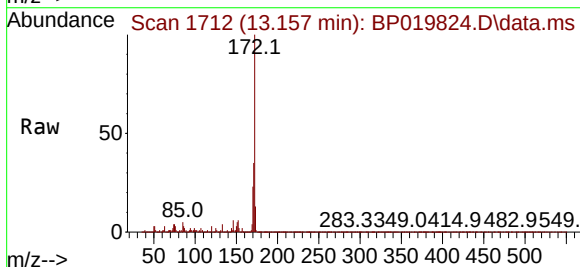
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

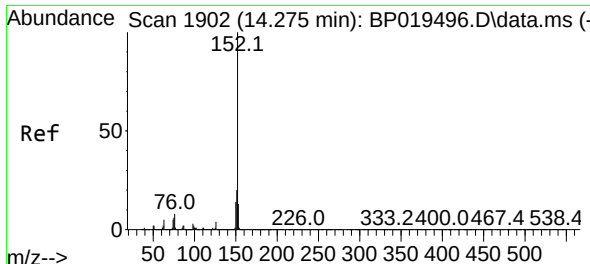
Tgt Ion:330 Resp: 141788
Ion Ratio Lower Upper
330 100
332 96.0 77.2 115.8
141 30.1 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 30.050 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:172 Resp: 378122
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 22.5 18.9 28.3

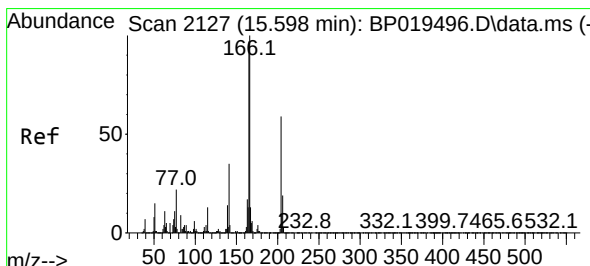
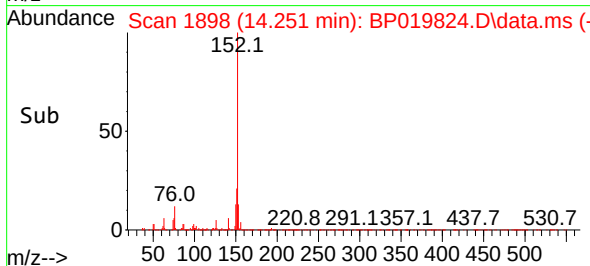
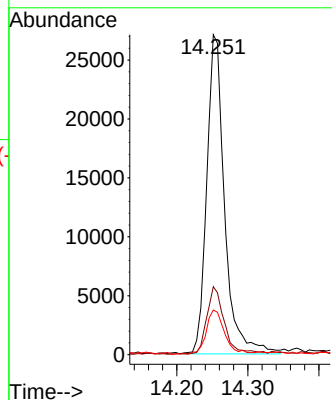
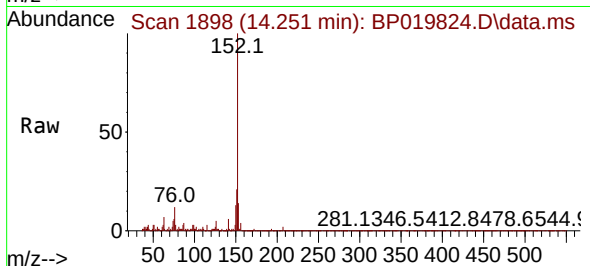




#49
Acenaphthylene
Concen: 3.317 ng
RT: 14.251 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

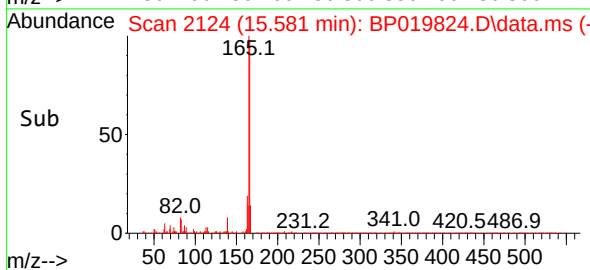
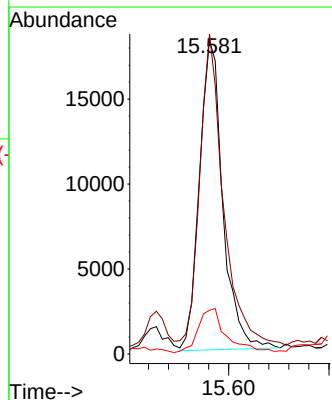
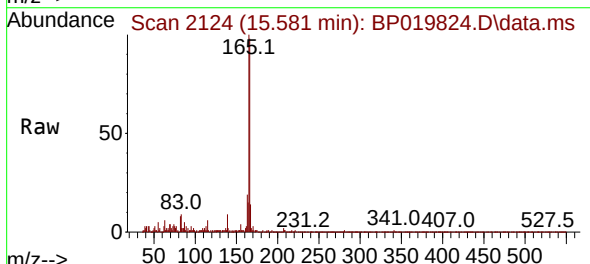
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

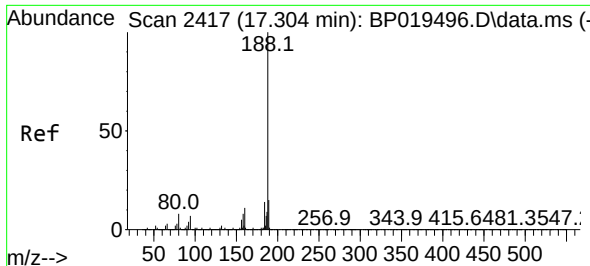
Tgt Ion:152	Resp:	47432
Ion Ratio	Lower	Upper
152	100	
151	21.3	15.8 23.6
153	13.9	10.6 15.8



#58
Fluorene
Concen: 2.563 ng
RT: 15.581 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:166	Resp:	29510
Ion Ratio	Lower	Upper
166	100	
165	102.0	77.8 116.8
167	13.9	10.7 16.1

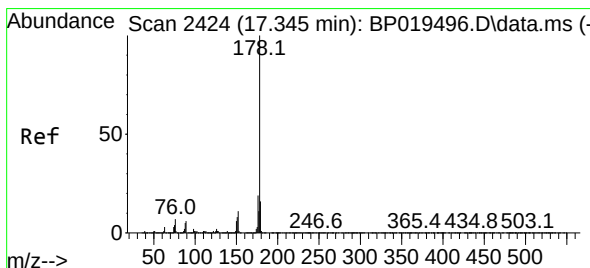
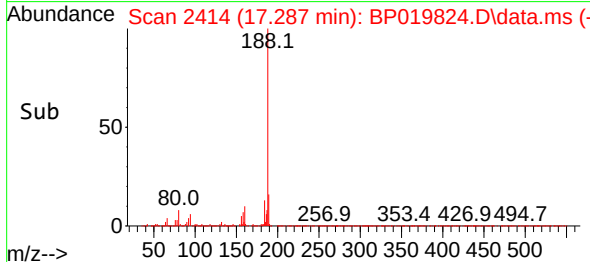
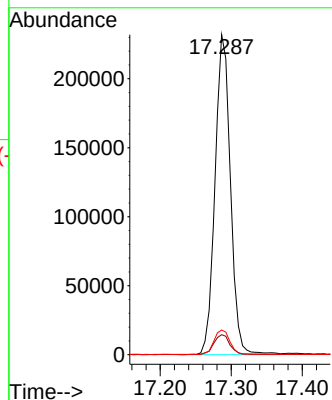
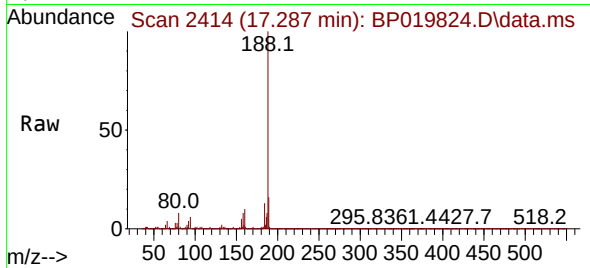




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.287 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

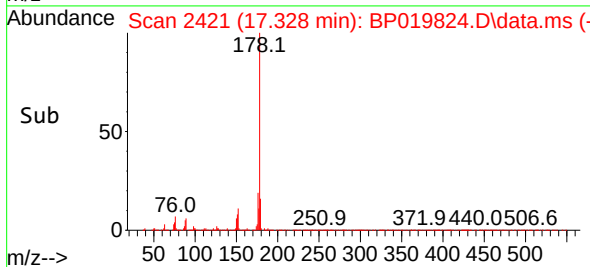
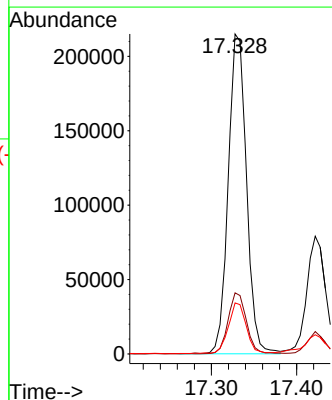
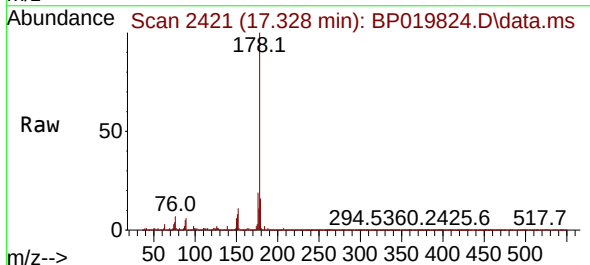
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

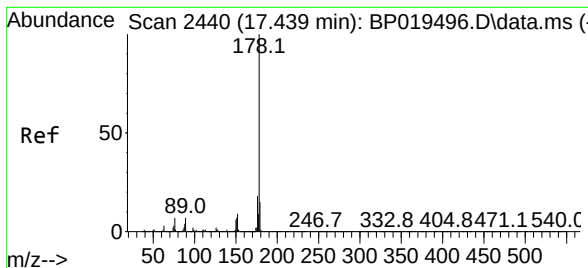
Tgt Ion:188 Resp: 348606
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.2
80 7.7 6.3 9.5



#71
Phenanthrene
Concen: 17.401 ng
RT: 17.328 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:178 Resp: 319241
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 16.0 12.6 19.0





#72

Anthracene

Concen: 6.353 ng

RT: 17.422 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

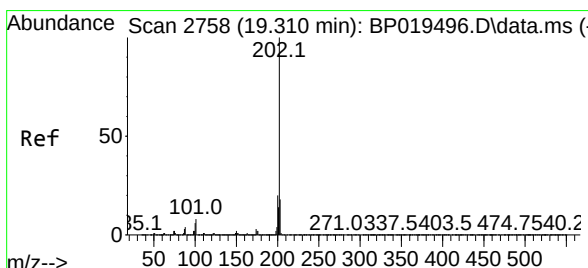
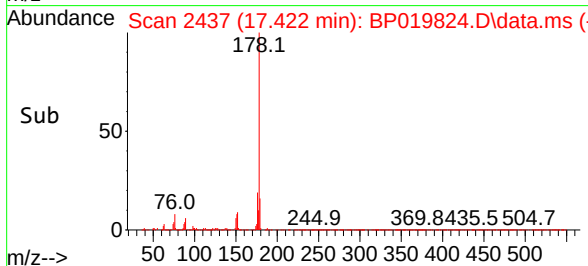
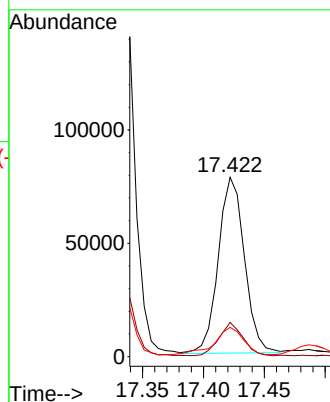
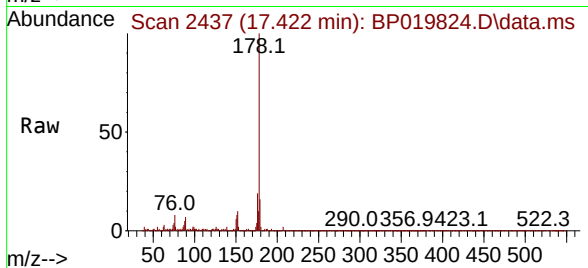
Tgt Ion:178 Resp: 116261

Ion	Ratio	Lower	Upper
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178	100		
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176	19.1	14.7	22.1
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179	16.3	12.2	18.2
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#75

Fluoranthene

Concen: 25.599 ng

RT: 19.298 min Scan# 2756

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

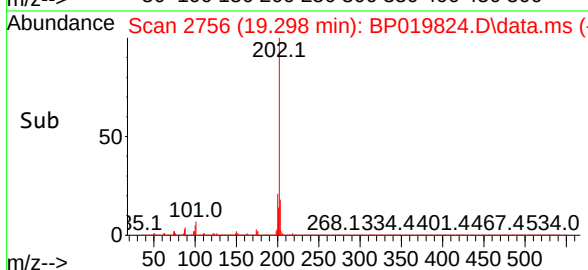
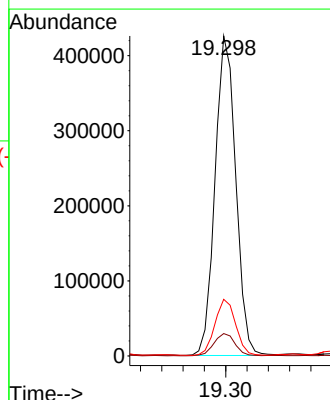
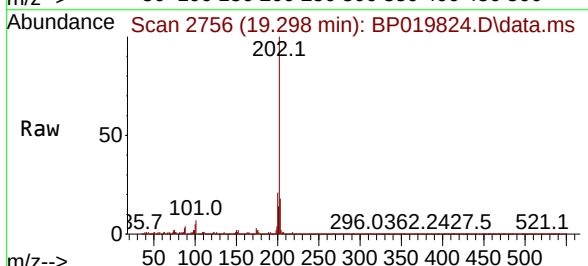
Tgt Ion:202 Resp: 573721

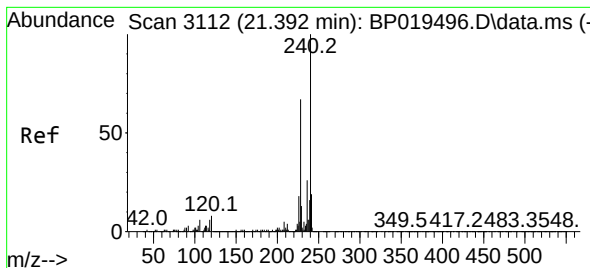
Ion	Ratio	Lower	Upper
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202	100		
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101	7.0	0.0	27.7
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203	17.7	0.0	37.5
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#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

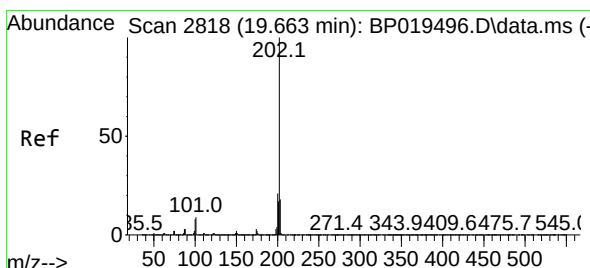
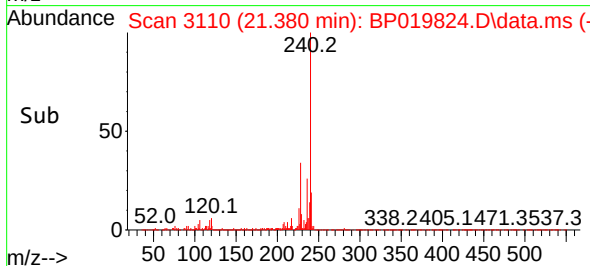
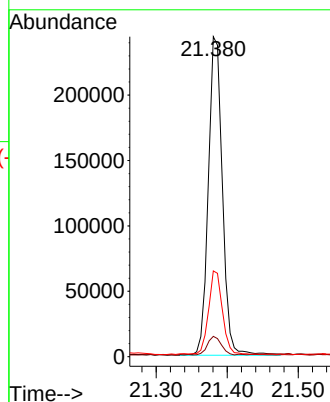
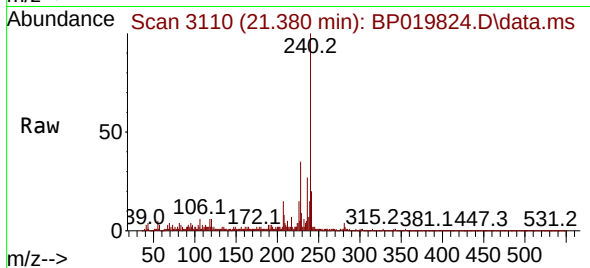
Tgt Ion:240 Resp: 335988

Ion Ratio Lower Upper

240 100

120 6.3 6.1 9.1

236 26.8 20.7 31.1



#78

Pyrene

Concen: 24.415 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

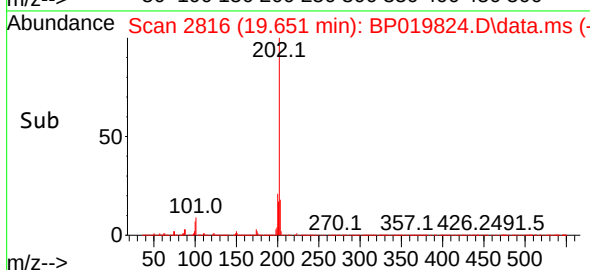
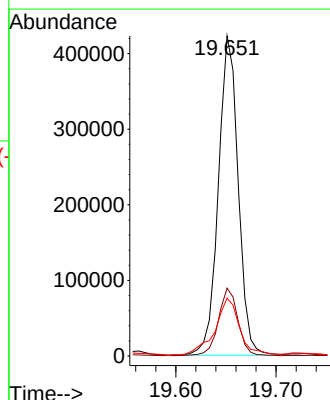
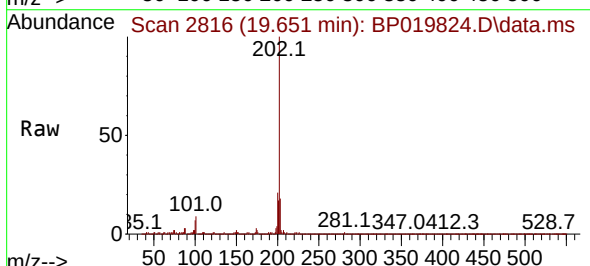
Tgt Ion:202 Resp: 578936

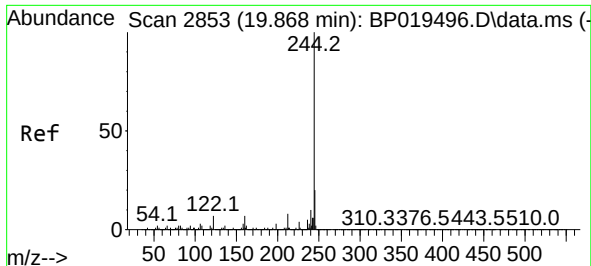
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.1 14.2 21.2

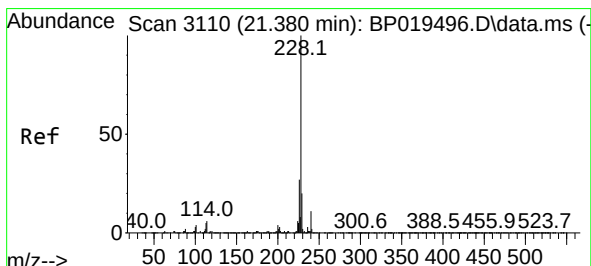
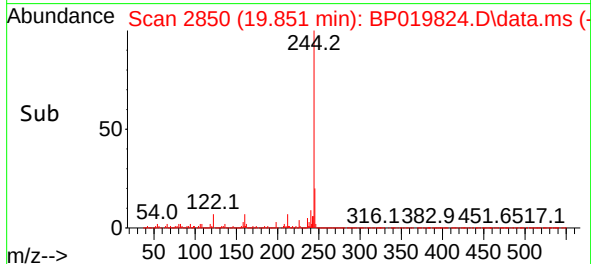
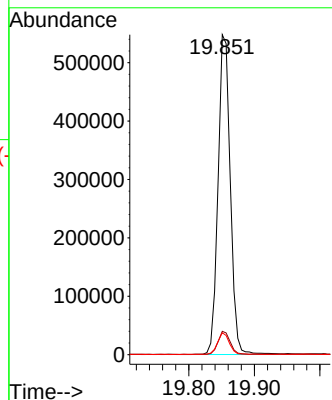
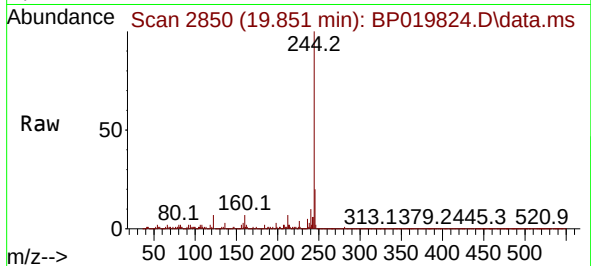




#79
 Terphenyl-d14
 Concen: 34.600 ng
 RT: 19.851 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP019824.D
 Acq: 22 Feb 2024 14:58

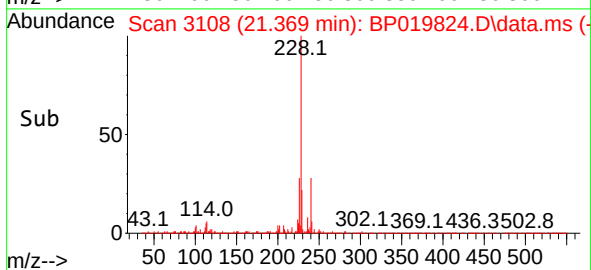
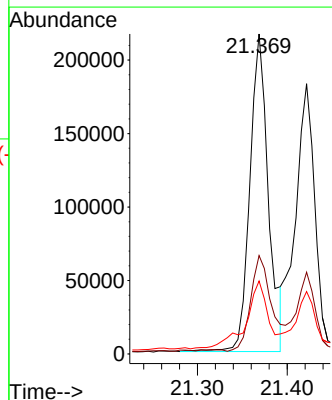
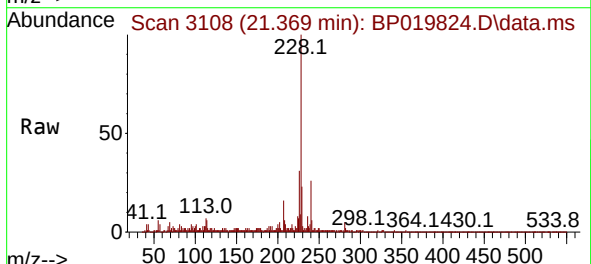
Instrument :
 BNA_P
 ClientSampleId :
 OR-03-022024

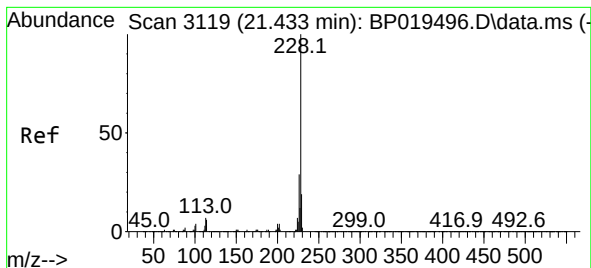
Tgt Ion:244 Resp: 706894
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.9 5.9 8.9



#81
 Benzo(a)anthracene
 Concen: 13.097 ng
 RT: 21.369 min Scan# 3108
 Delta R.T. -0.006 min
 Lab File: BP019824.D
 Acq: 22 Feb 2024 14:58

Tgt Ion:228 Resp: 309753
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 229 22.8 15.6 23.4





#83

Chrysene

Concen: 12.335 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

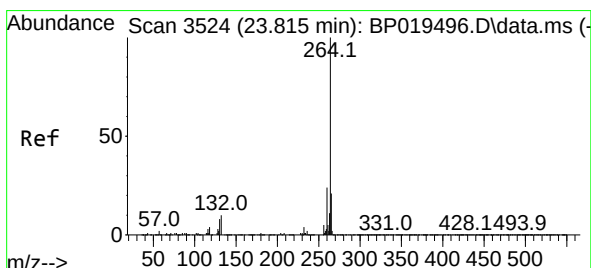
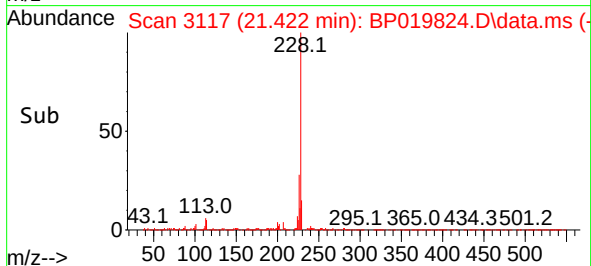
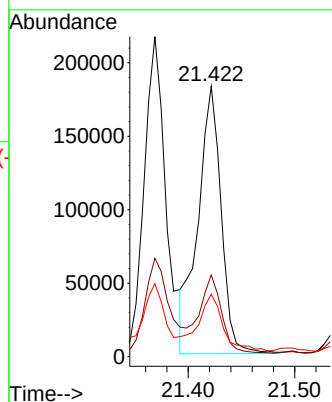
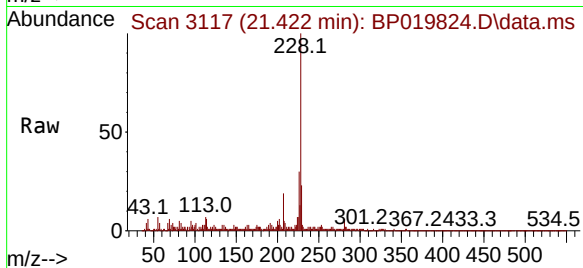
Tgt Ion:228 Resp: 276980

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 23.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3523

Delta R.T. 0.000 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

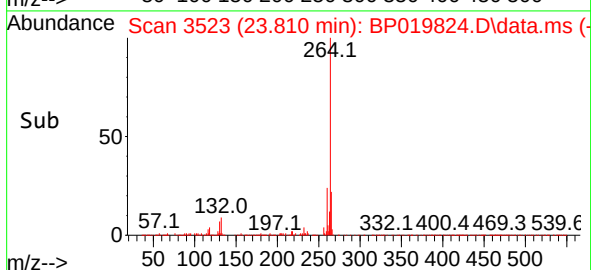
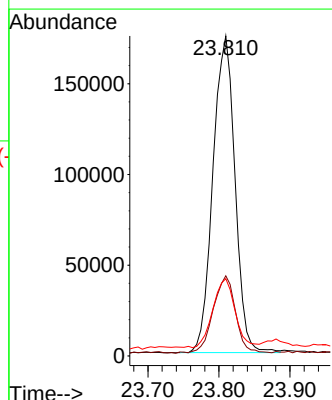
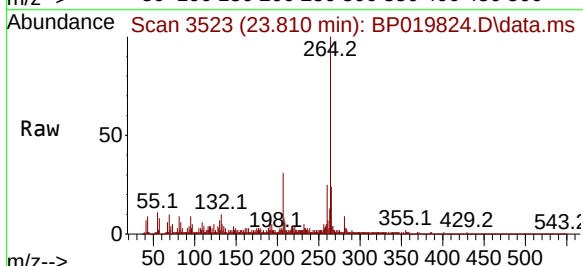
Tgt Ion:264 Resp: 376145

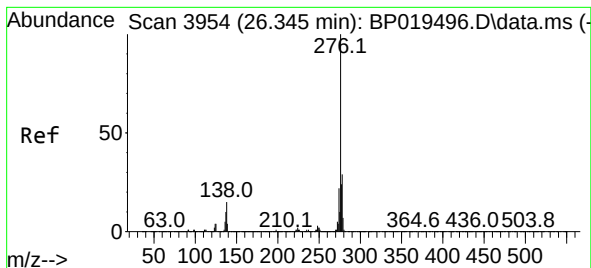
Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 24.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.650 ng

RT: 26.345 min Scan# 3954

Delta R.T. 0.000 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

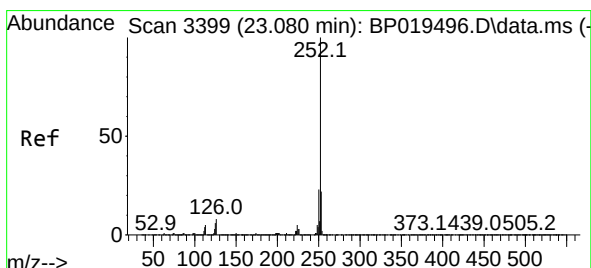
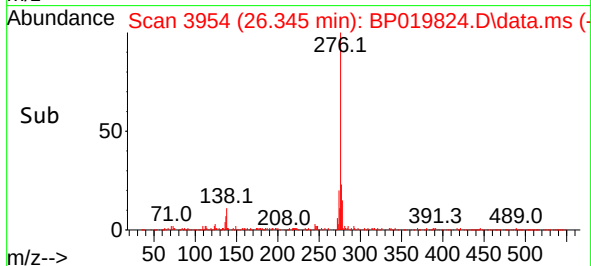
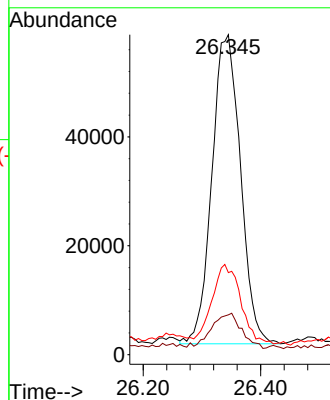
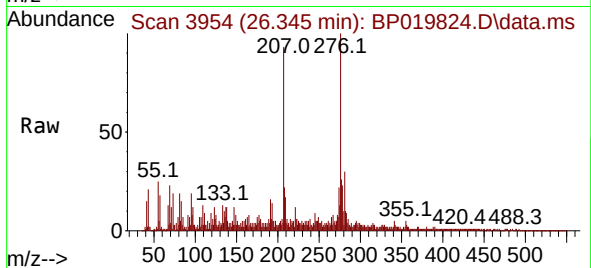
Tgt Ion:276 Resp: 191481

Ion Ratio Lower Upper

276 100

138 11.8 13.1 19.7#

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 16.397 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

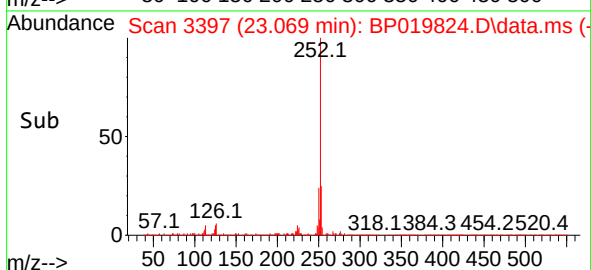
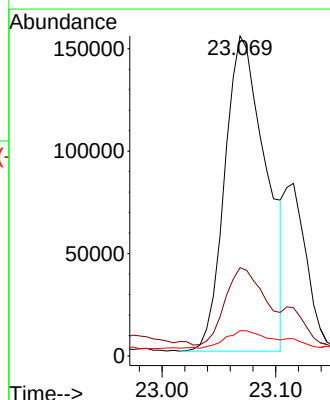
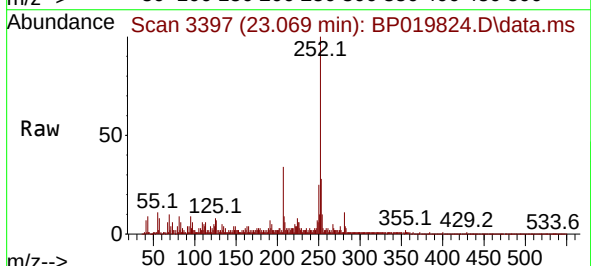
Tgt Ion:252 Resp: 388722

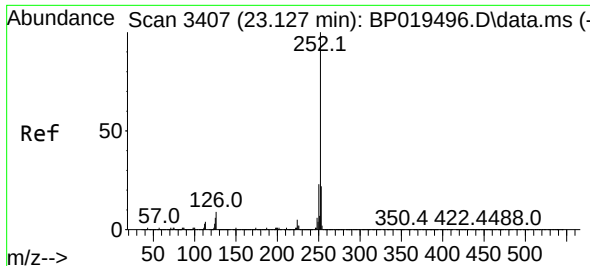
Ion Ratio Lower Upper

252 100

253 27.6 17.3 25.9#

125 7.9 4.9 7.3#

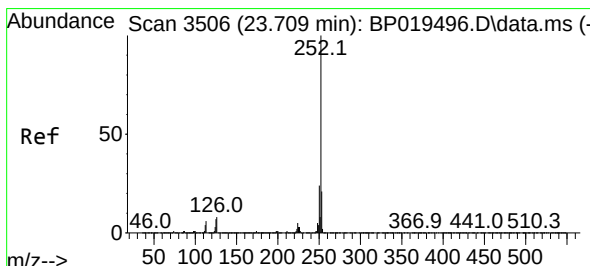
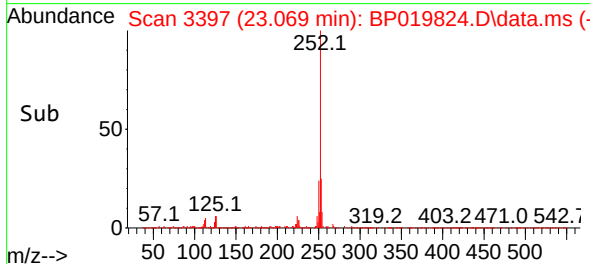
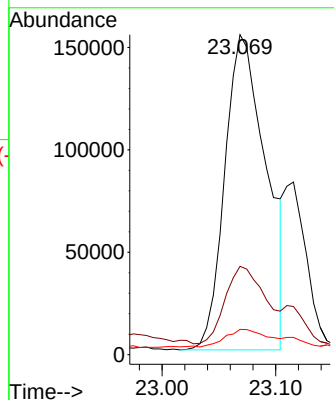
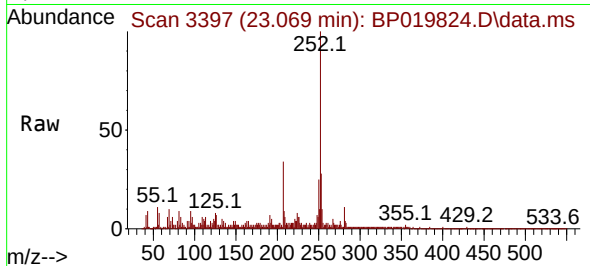




#89
Benzo(k)fluoranthene
Concen: 17.166 ng
RT: 23.069 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

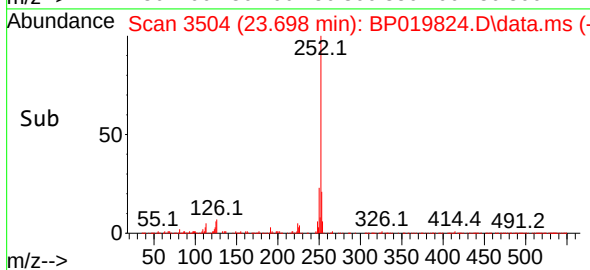
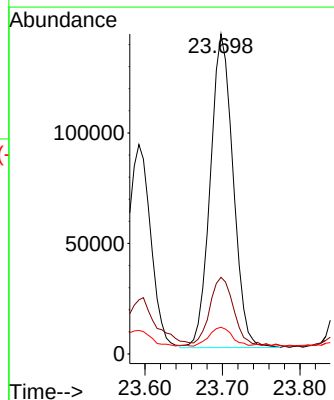
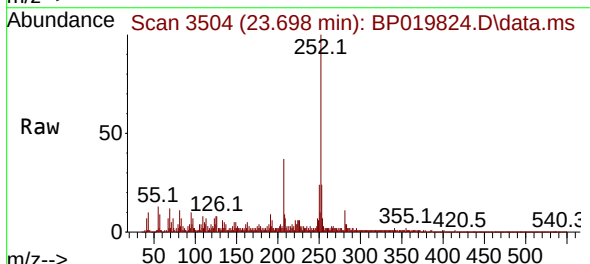
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

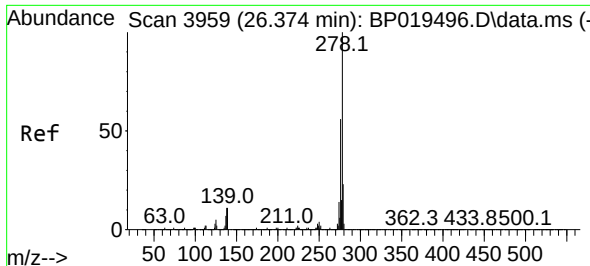
Tgt Ion:252 Resp: 388722
Ion Ratio Lower Upper
252 100
253 27.6 17.1 25.7#
125 7.9 5.0 7.6#



#90
Benzo(a)pyrene
Concen: 13.735 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:252 Resp: 289727
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 8.4 5.6 8.4

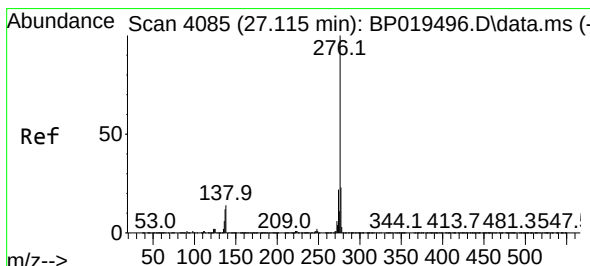
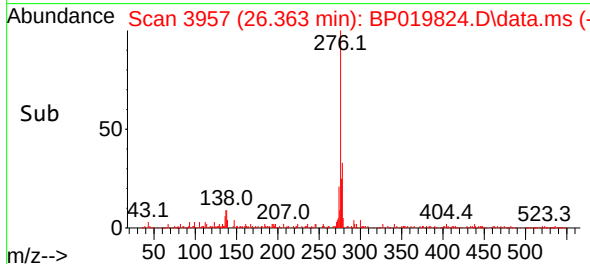
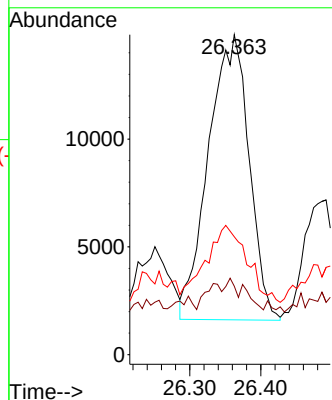
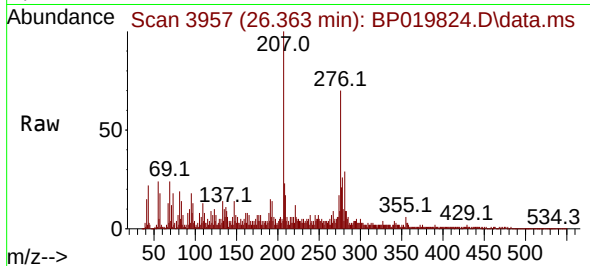




#91
Dibenzo(a,h)anthracene
Concen: 2.216 ng
RT: 26.363 min Scan# 3959
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Instrument :
BNA_P
ClientSampleId :
OR-03-022024

Tgt Ion:278 Resp: 52469
Ion Ratio Lower Upper
278 100
139 21.4 8.6 12.8#
279 36.9 18.5 27.7#



#92
Benzo(g,h,i)perylene
Concen: 7.913 ng
RT: 27.121 min Scan# 4086
Delta R.T. 0.000 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:276 Resp: 190107
Ion Ratio Lower Upper
276 100
277 26.2 18.6 28.0
138 13.2 10.9 16.3

