

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019922.D
 Acq On : 28 Feb 2024 18:19
 Operator : MA/JU
 Sample : P1537-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 3

Quant Time: Feb 29 00:34:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 02:05:05 2024
 Response via : Initial Calibration

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

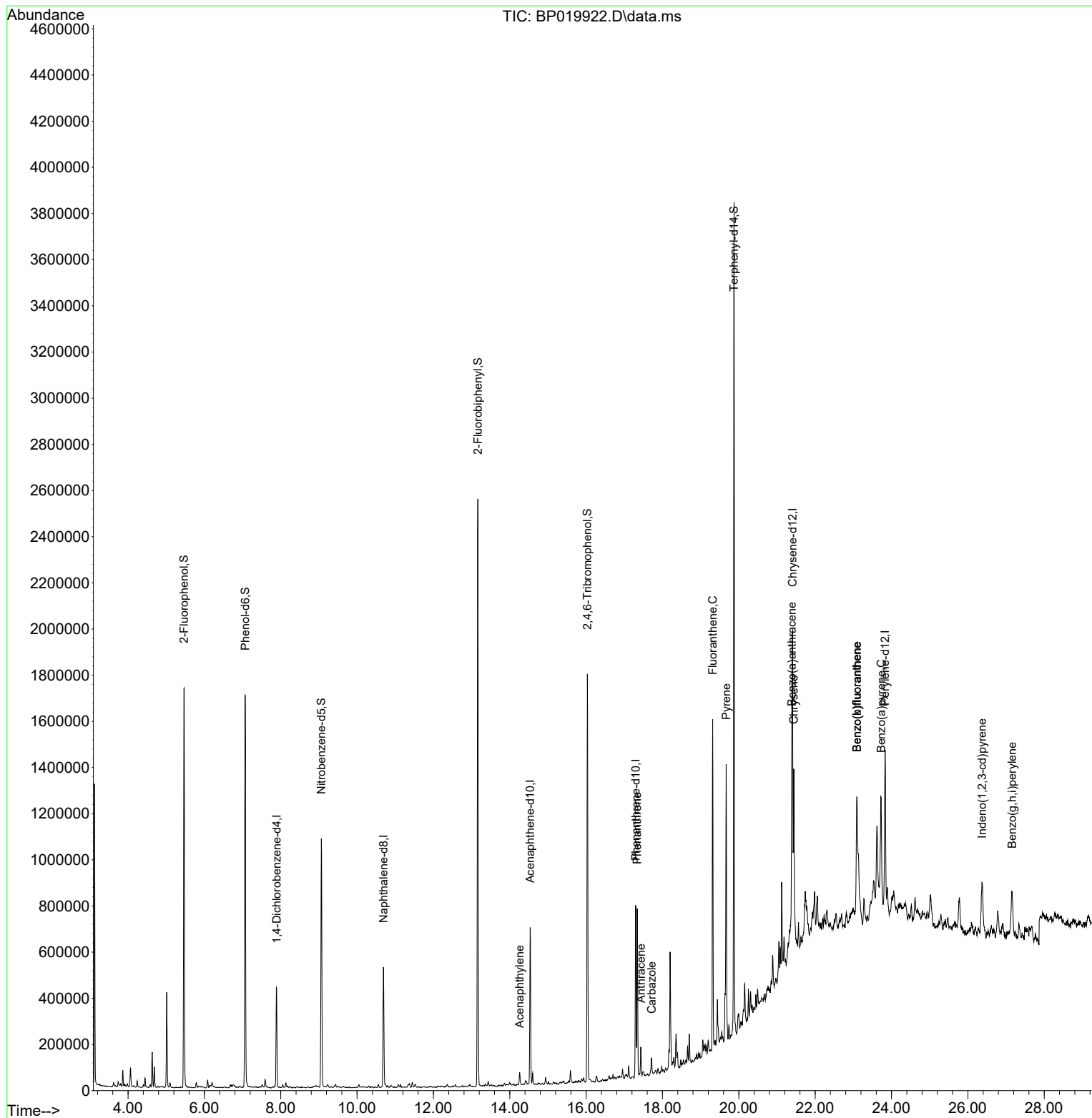
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	121248	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	429664	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	243786	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	470125	20.000	ng	0.00
76) Chrysene-d12	21.404	240	506025	20.000	ng	0.00
86) Perylene-d12	23.833	264	588489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	727145	98.436	ng	0.00
7) Phenol-d6	7.069	99	939627	85.435	ng	0.00
23) Nitrobenzene-d5	9.063	82	650960	61.164	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	373163	89.272	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	1354505	75.069	ng	0.00
79) Terphenyl-d14	19.875	244	1823748	56.805	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.257	152	50617	2.306	ng	99
71) Phenanthrene	17.339	178	442372	17.629	ng	99
72) Anthracene	17.434	178	86940	3.394	ng	98
73) Carbazole	17.716	167	45905	2.023	ng	97
75) Fluoranthene	19.316	202	857094	26.318	ng	98
78) Pyrene	19.669	202	734098	21.115	ng	99
81) Benzo(a)anthracene	21.386	228	398744	11.101	ng	95
83) Chrysene	21.439	228	415470	12.344	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	266589	6.435	ng	97
88) Benzo(b)fluoranthene	23.092	252	571270	15.834	ng	96
89) Benzo(k)fluoranthene	23.092	252	571270	16.145	ng	96
90) Benzo(a)pyrene	23.727	252	362751	10.521	ng	96
92) Benzo(g,h,i)perylene	27.157	276	275417	8.192	ng	97

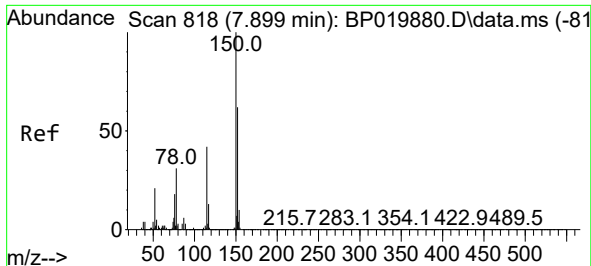
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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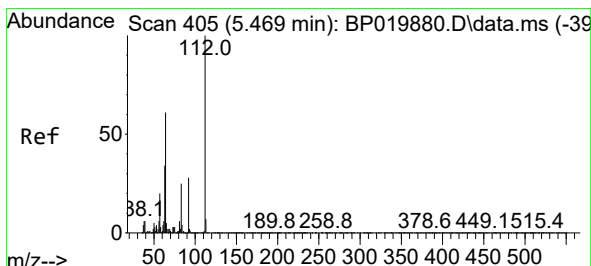
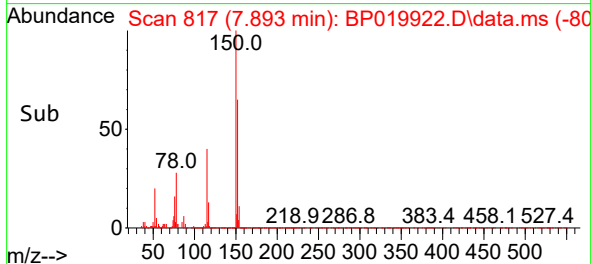
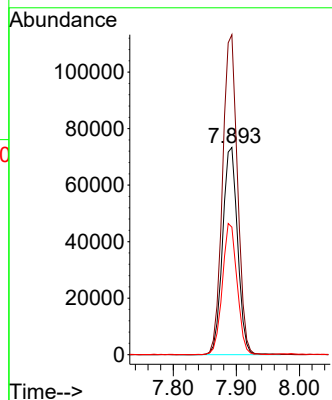
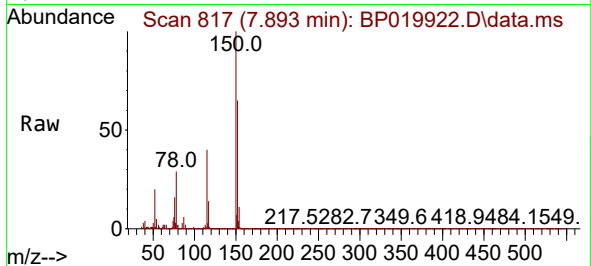




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

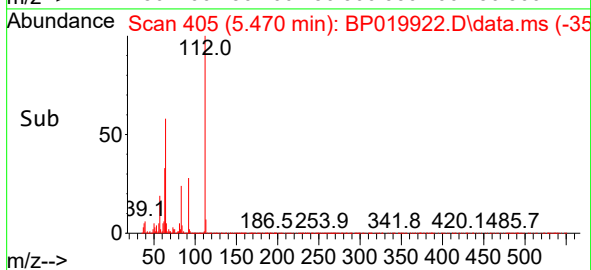
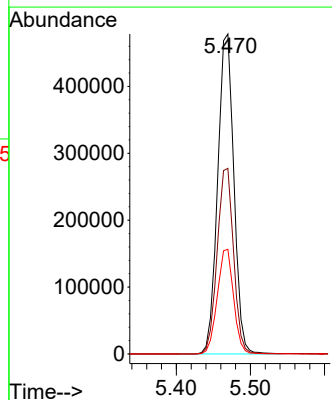
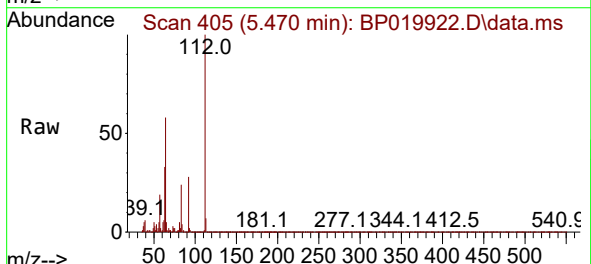
Instrument :
BNA_P
ClientSampleId :
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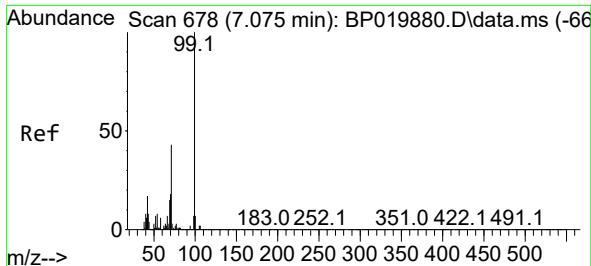
Tgt Ion:152 Resp: 121248
Ion Ratio Lower Upper
152 100
150 154.5 128.6 192.8
115 61.6 53.4 80.2



#5
2-Fluorophenol
Concen: 98.436 ng
RT: 5.470 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:112 Resp: 727145
Ion Ratio Lower Upper
112 100
64 58.0 49.0 73.6
63 32.7 27.6 41.4

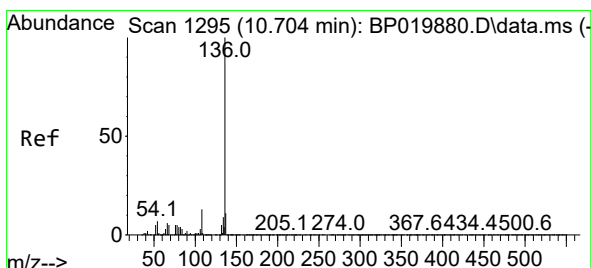
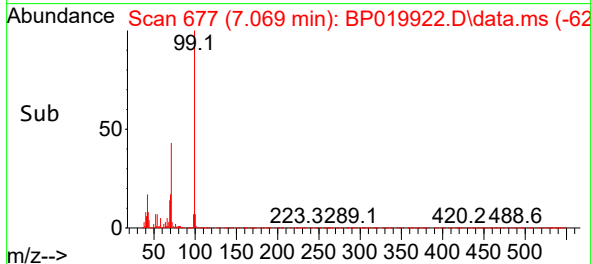
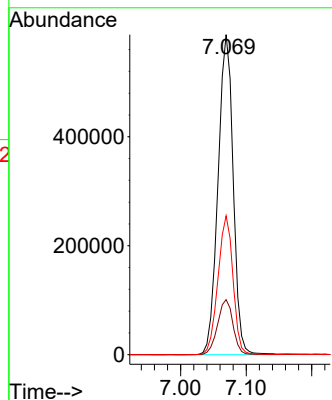
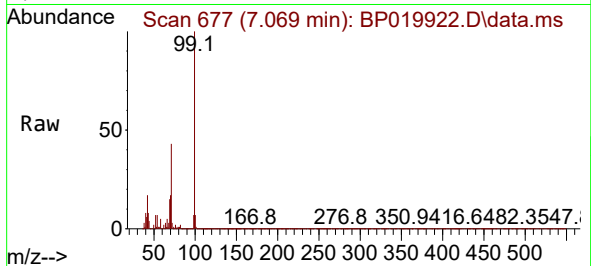




#7
Phenol-d6
Concen: 85.435 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

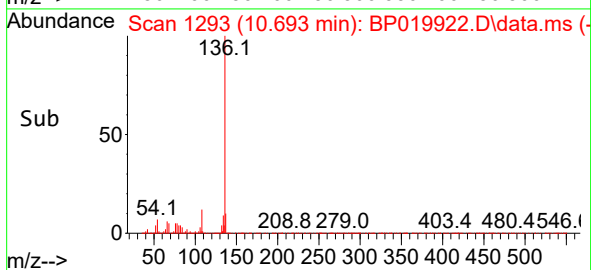
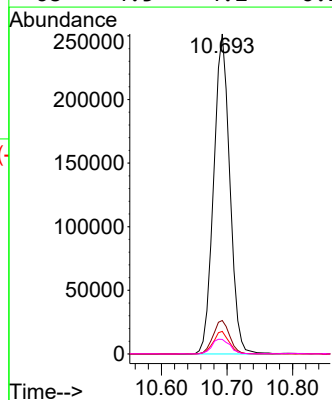
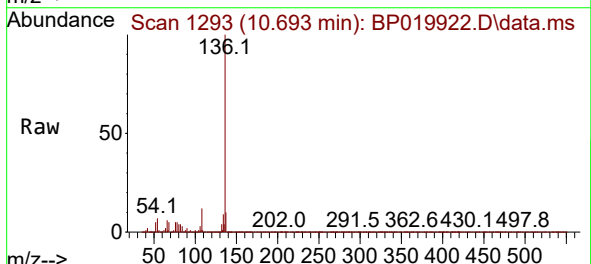
Instrument :
BNA_P
ClientSampleId :
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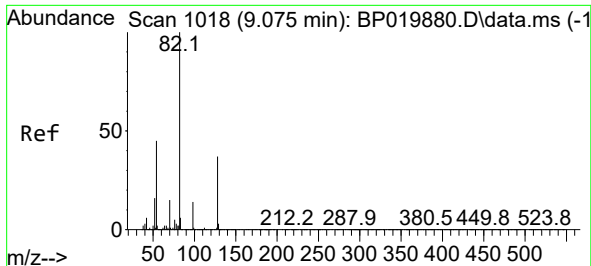
Tgt Ion: 99 Resp: 939627
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.8
71 43.4 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion: 136 Resp: 429664
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.1 6.0 9.0
68 4.5 4.2 6.2

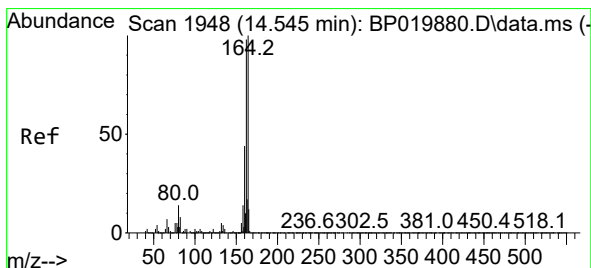
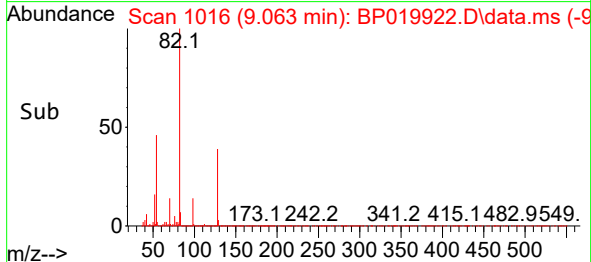
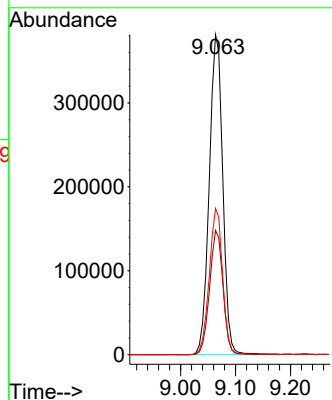
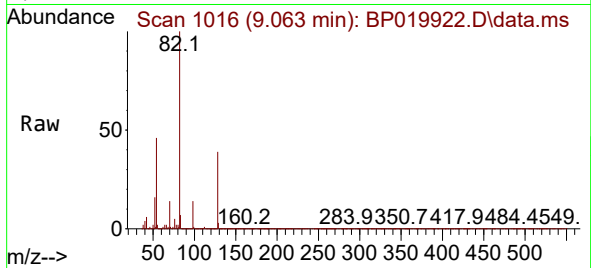




#23
Nitrobenzene-d5
Concen: 61.164 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

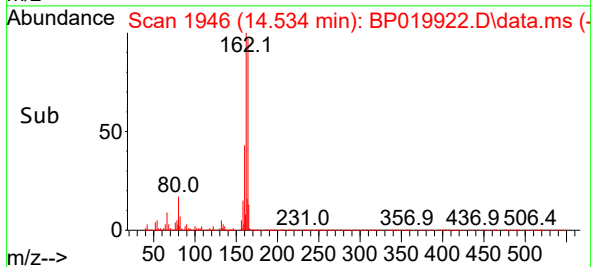
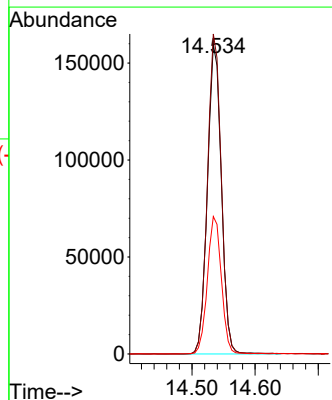
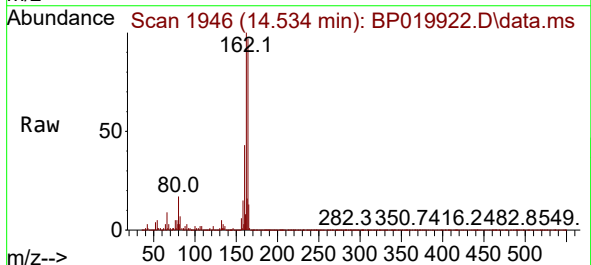
Instrument :
BNA_P
ClientSampleId :
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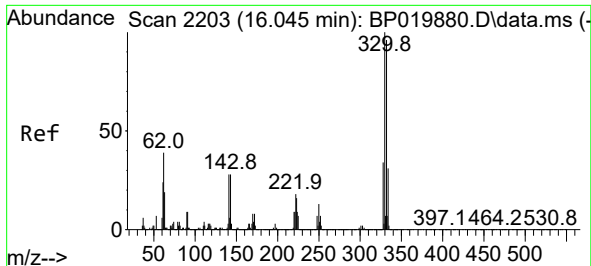
Tgt Ion: 82 Resp: 650960
Ion Ratio Lower Upper
82 100
128 38.9 29.6 44.4
54 45.7 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:164 Resp: 243786
Ion Ratio Lower Upper
164 100
162 103.3 78.1 117.1
160 44.4 35.3 52.9

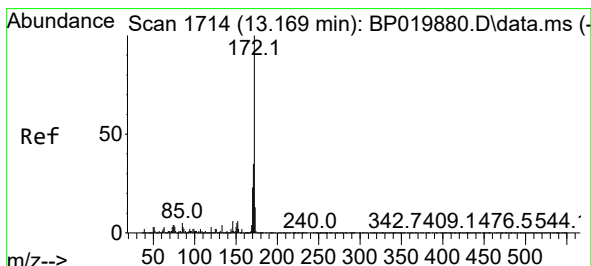
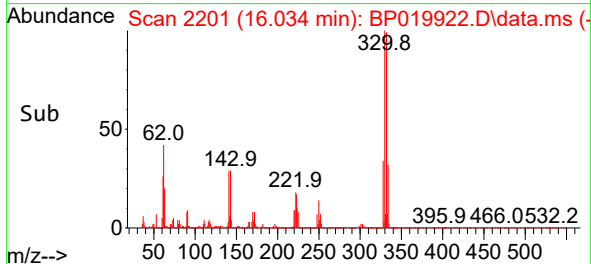
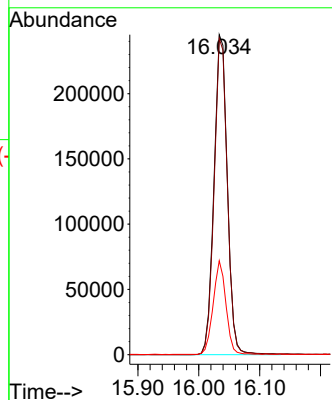
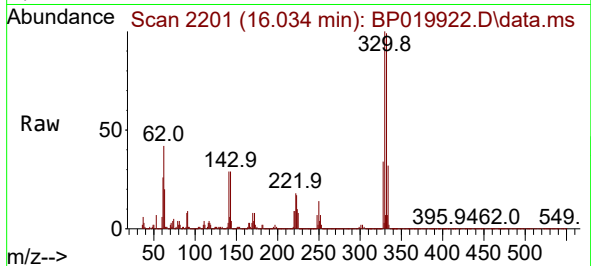




#42
2,4,6-Tribromophenol
Concen: 89.272 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

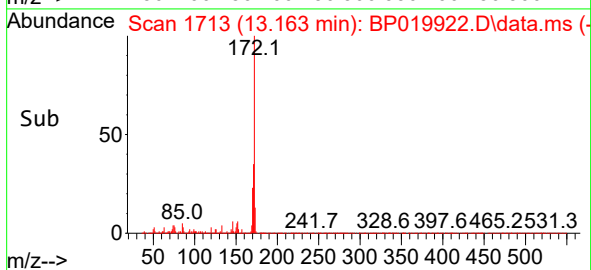
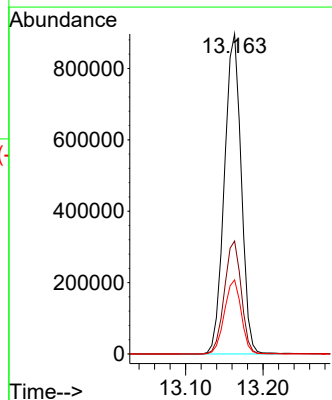
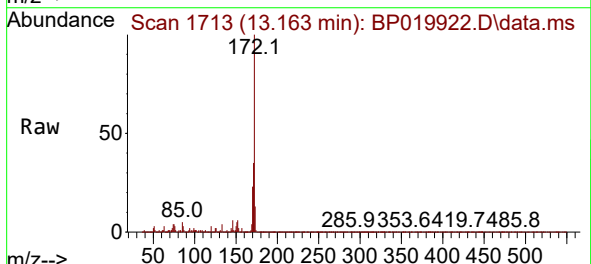
Instrument :
BNA_P
ClientSampleId :
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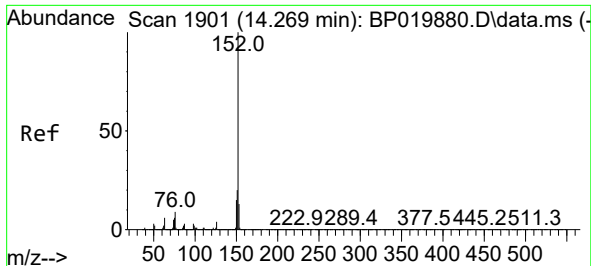
Tgt Ion:330 Resp: 373163
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.2
141 27.9 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 75.069 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:172 Resp: 1354505
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.6
170 23.1 18.4 27.6

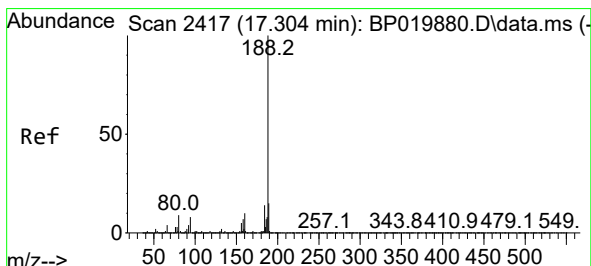
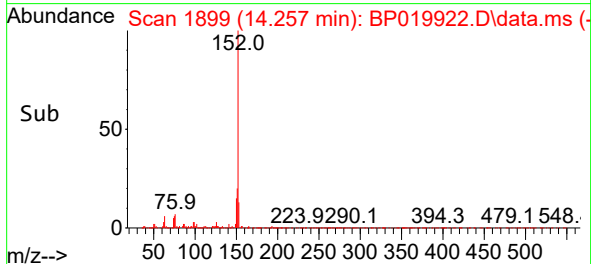
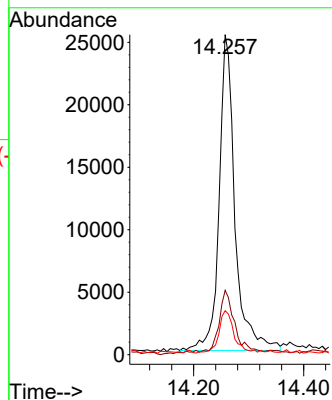
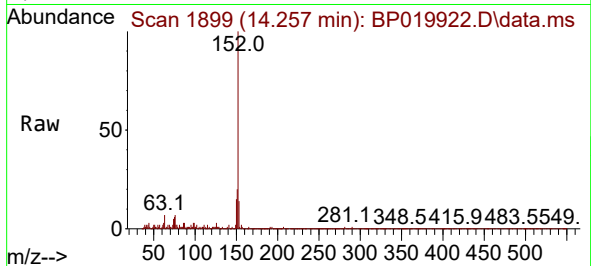




#49
Acenaphthylene
Concen: 2.306 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

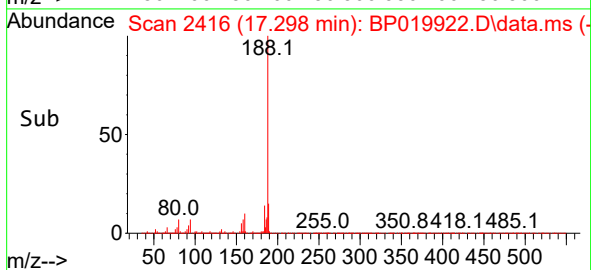
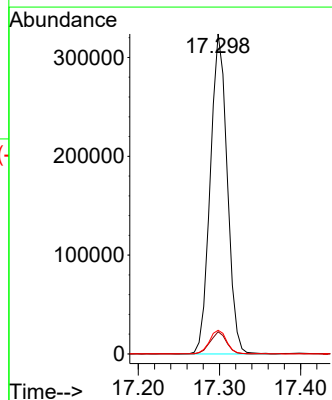
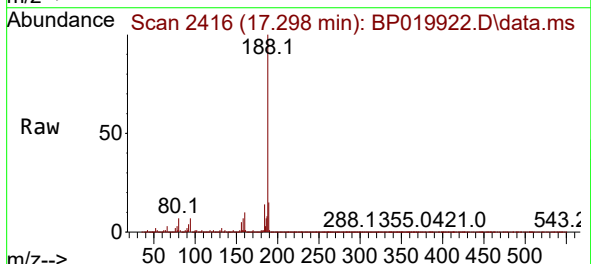
Instrument :
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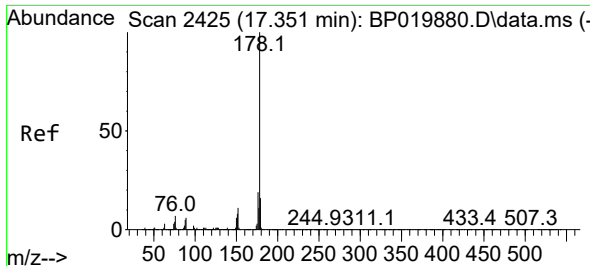
Tgt Ion:152	Resp:	50617
Ion Ratio	Lower	Upper
152	100	
151	20.1	15.9 23.9
153	13.7	10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:188	Resp:	470125
Ion Ratio	Lower	Upper
188	100	
94	7.0	6.2 9.4
80	7.4	7.0 10.4

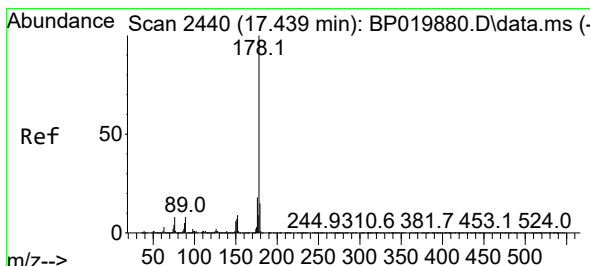
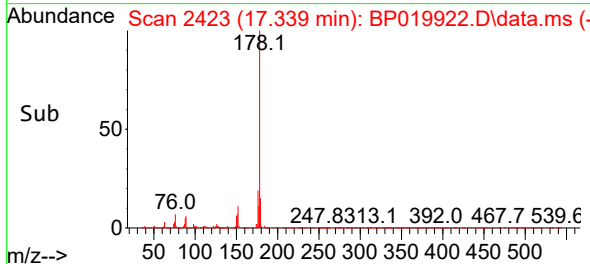
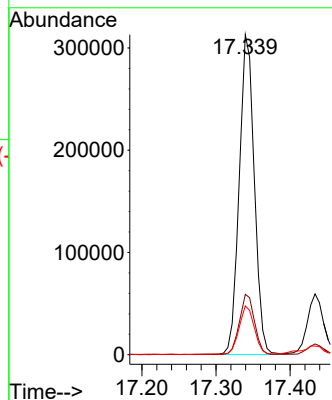
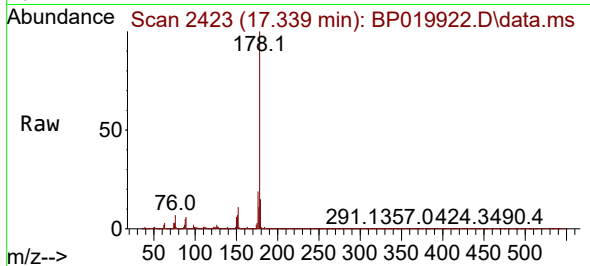




#71
Phenanthrene
Concen: 17.629 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

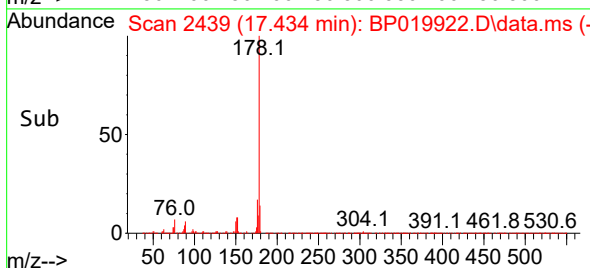
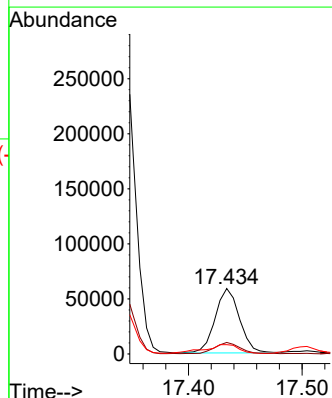
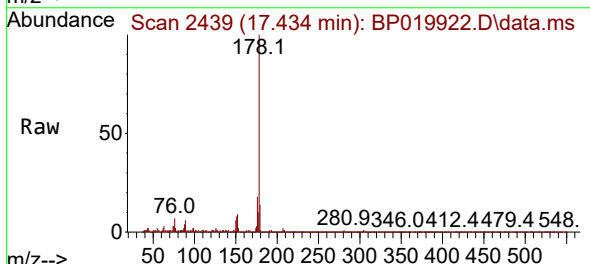
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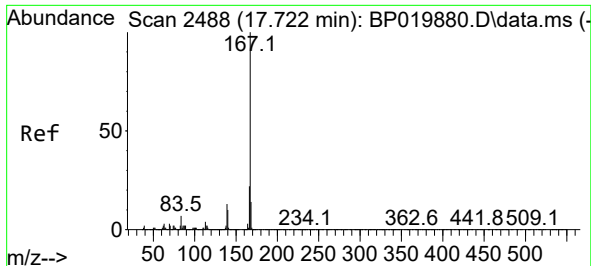
Tgt Ion:178 Resp: 442372
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.3 12.5 18.7



#72
Anthracene
Concen: 3.394 ng
RT: 17.434 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:178 Resp: 86940
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 14.3 12.2 18.4

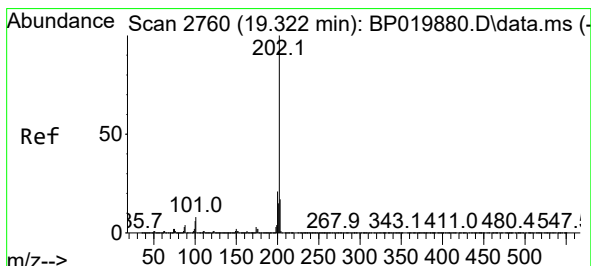
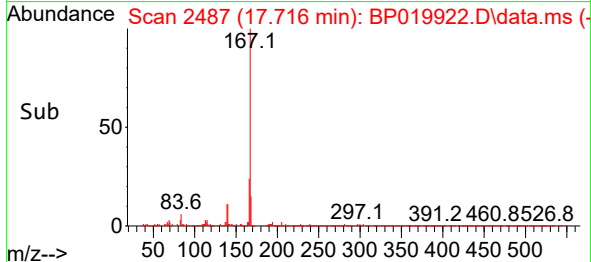
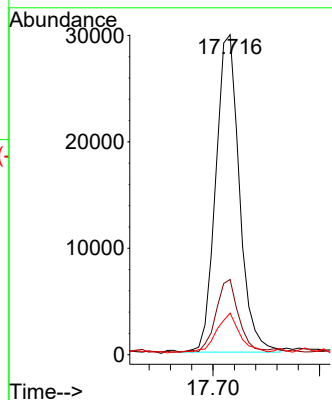
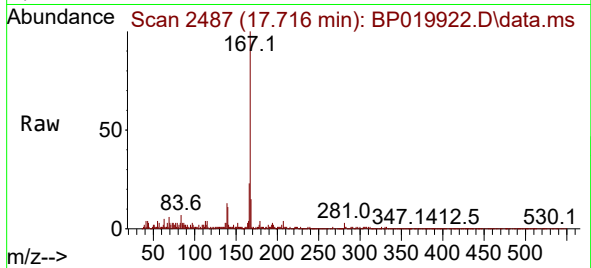




#73
 Carbazole
 Concen: 2.023 ng
 RT: 17.716 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19

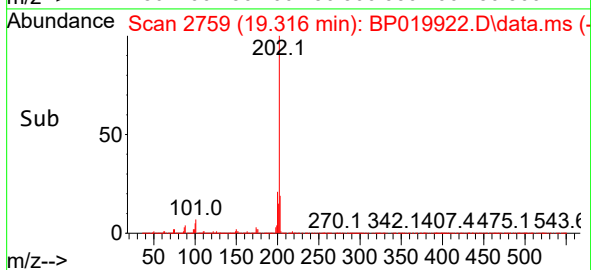
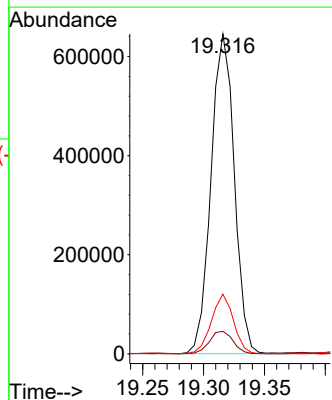
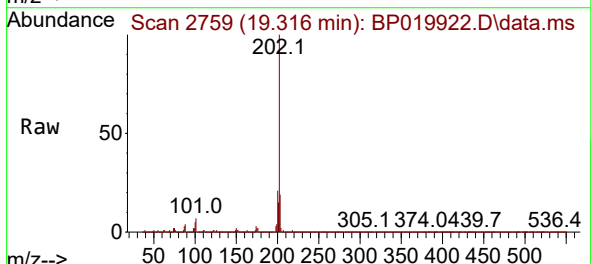
Instrument :
 BNA_P
 ClientSampleId :
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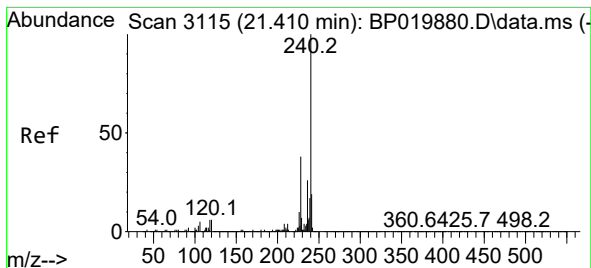
Tgt Ion:167 Resp: 45905
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.3 25.9
 139 13.0 10.5 15.7



#75
 Fluoranthene
 Concen: 26.318 ng
 RT: 19.316 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19

Tgt Ion:202 Resp: 857094
 Ion Ratio Lower Upper
 202 100
 101 7.1 0.0 27.7
 203 18.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

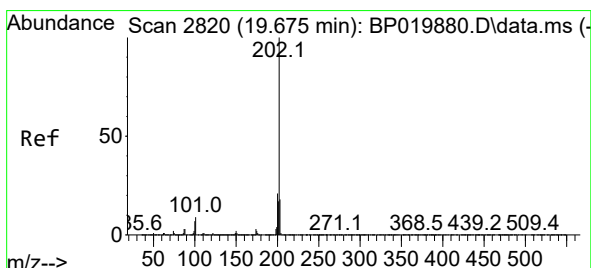
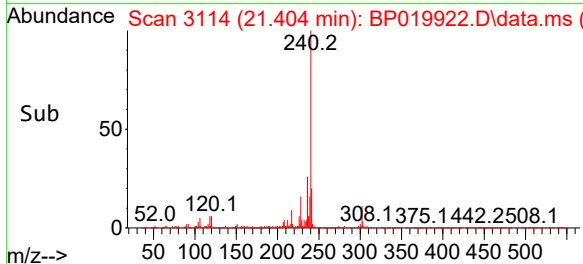
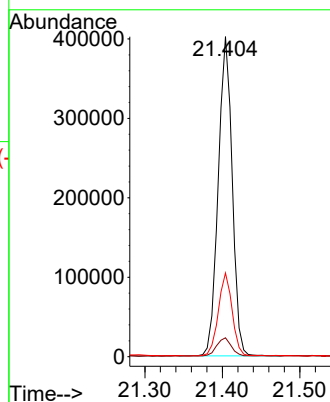
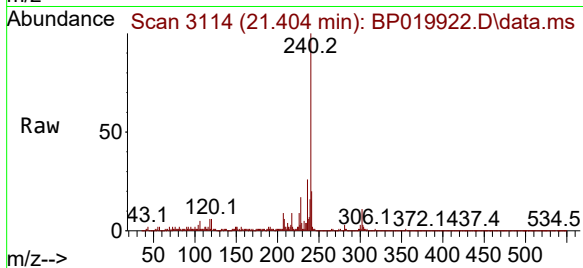
Tgt Ion:240 Resp: 506025

Ion Ratio Lower Upper

240 100

120 5.9 5.1 7.7

236 26.2 20.5 30.7



#78

Pyrene

Concen: 21.115 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

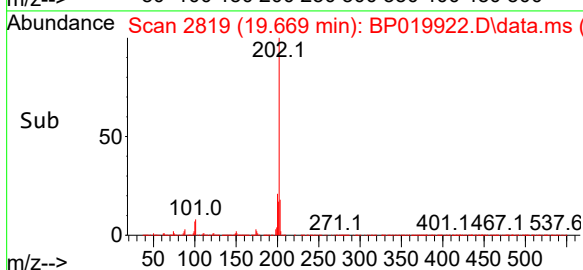
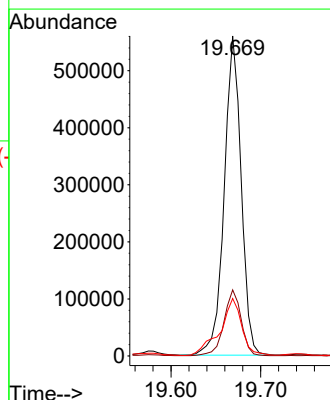
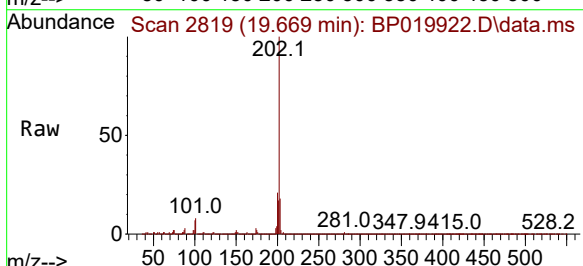
Tgt Ion:202 Resp: 734098

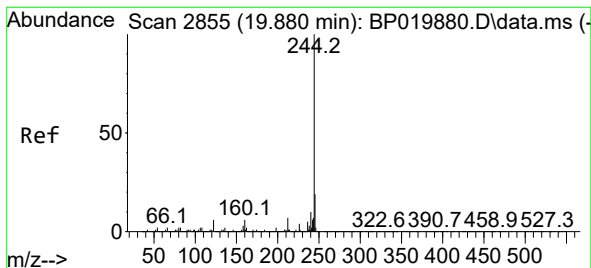
Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 56.805 ng

RT: 19.875 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

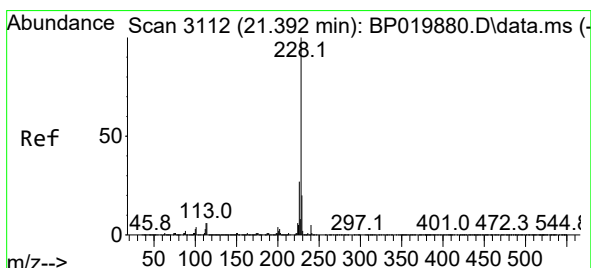
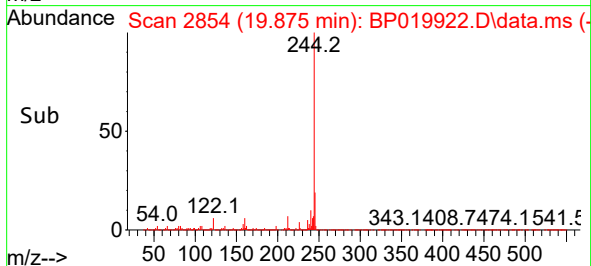
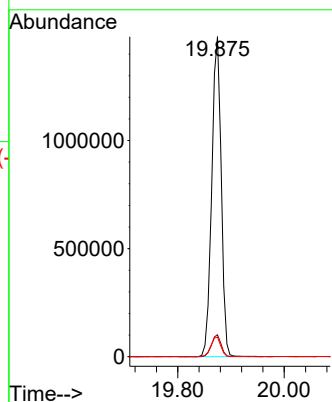
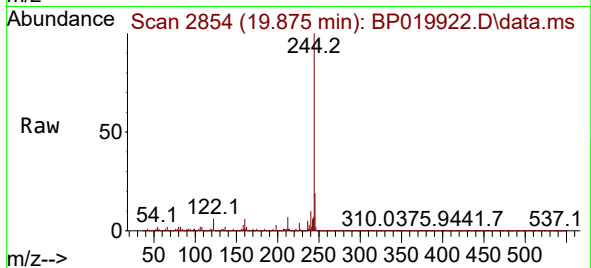
Tgt Ion:244 Resp: 1823748

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 6.1 5.0 7.6



#81

Benzo(a)anthracene

Concen: 11.101 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

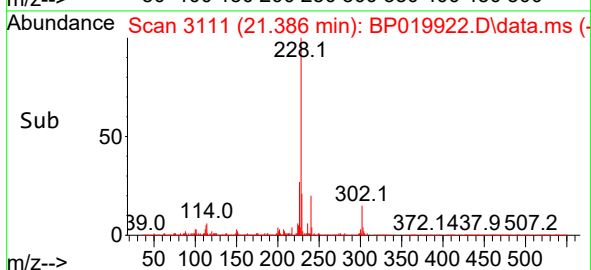
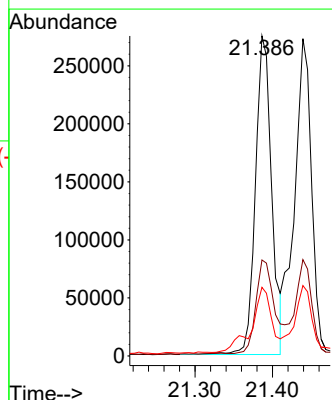
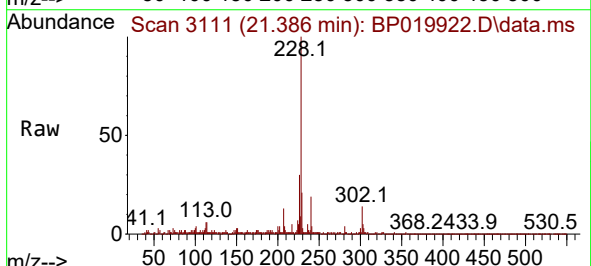
Tgt Ion:228 Resp: 398744

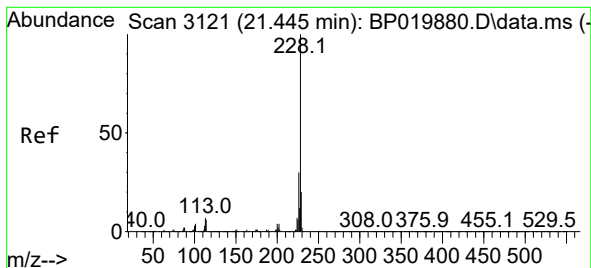
Ion Ratio Lower Upper

228 100

226 30.0 21.5 32.3

229 21.4 15.6 23.4





#83

Chrysene

Concen: 12.344 ng

RT: 21.439 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

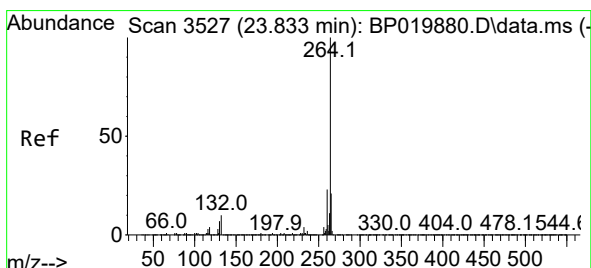
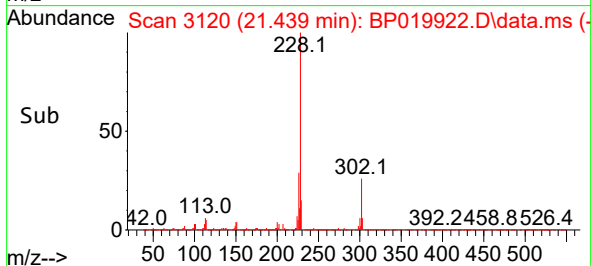
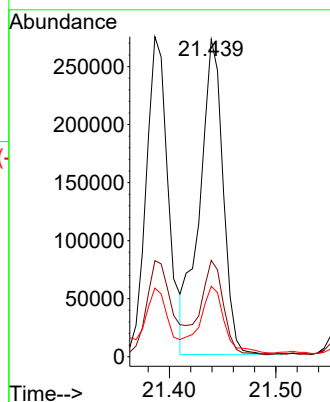
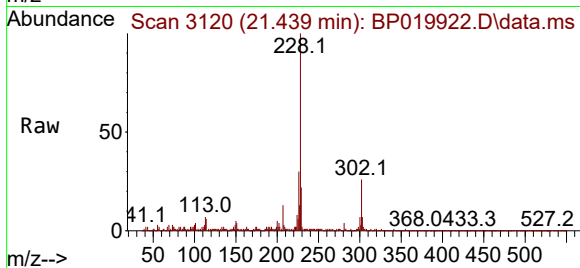
Tgt Ion:228 Resp: 415470

Ion Ratio Lower Upper

228 100

226 30.3 23.9 35.9

229 22.2 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.833 min Scan# 3527

Delta R.T. 0.000 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

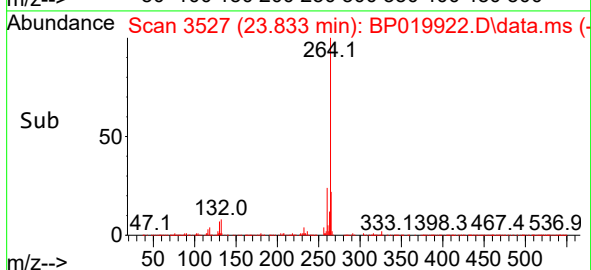
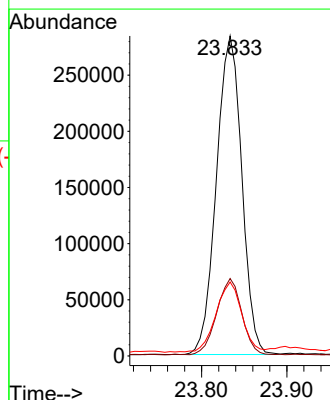
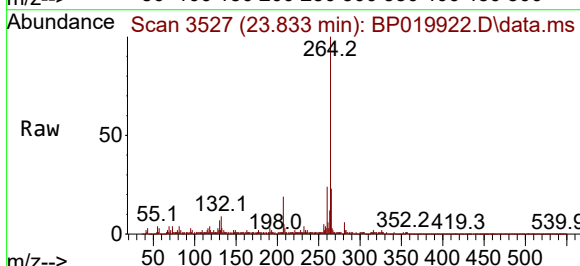
Tgt Ion:264 Resp: 588489

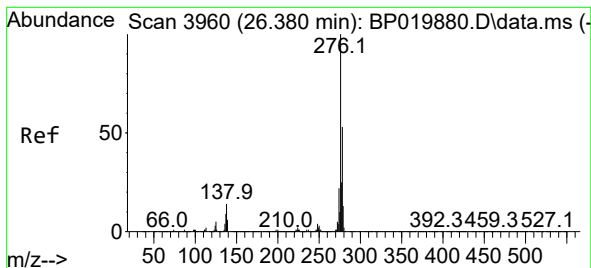
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 23.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.435 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

Instrument :

BNA_P

ClientSampleId :

3

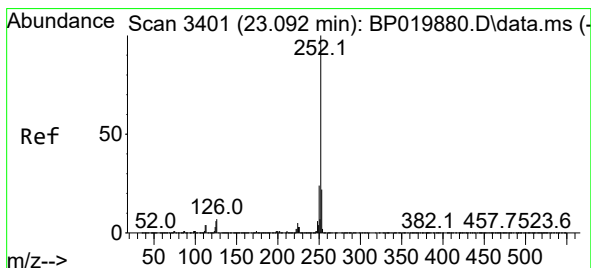
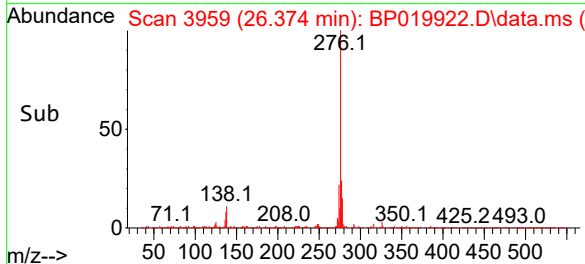
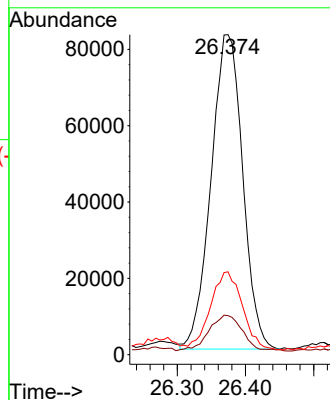
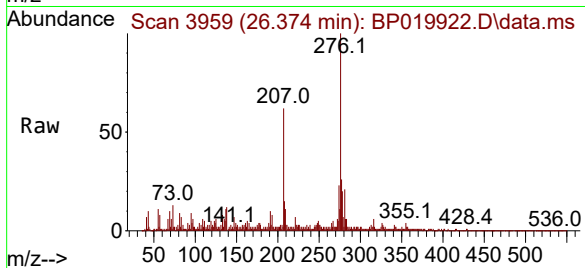
Tgt Ion:276 Resp: 266589

Ion Ratio Lower Upper

276 100

138 12.2 11.7 17.5

277 24.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 15.834 ng

RT: 23.092 min Scan# 3401

Delta R.T. 0.000 min

Lab File: BP019922.D

Acq: 28 Feb 2024 18:19

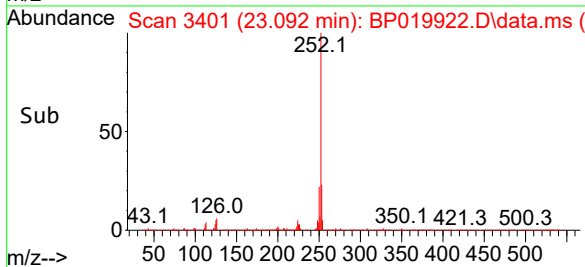
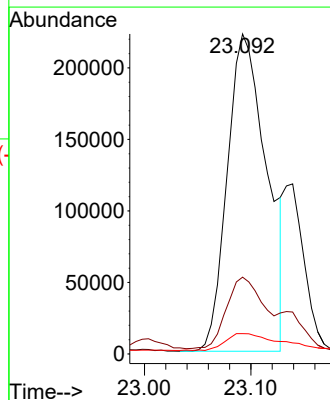
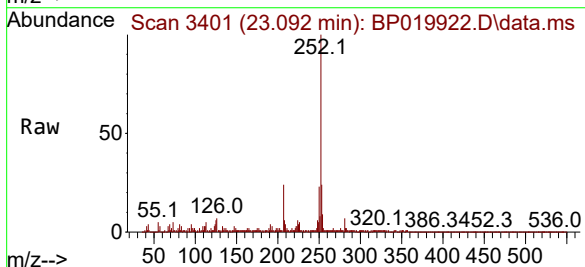
Tgt Ion:252 Resp: 571270

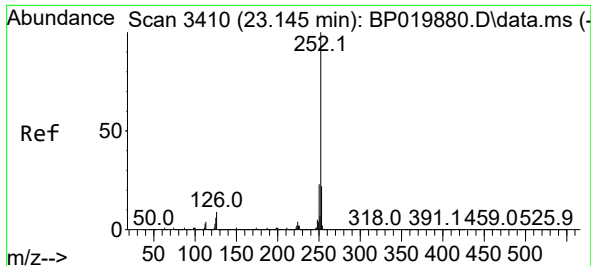
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 6.3 4.6 7.0

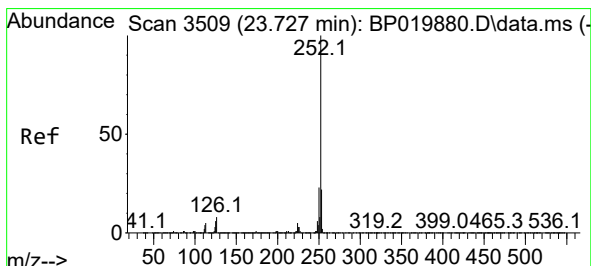
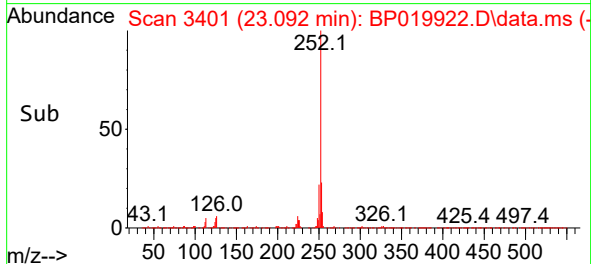
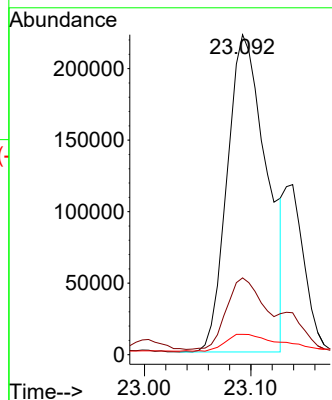
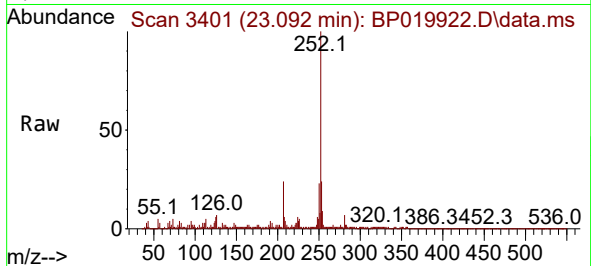




#89
Benzo(k)fluoranthene
Concen: 16.145 ng
RT: 23.092 min Scan# 3410
Delta R.T. -0.053 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

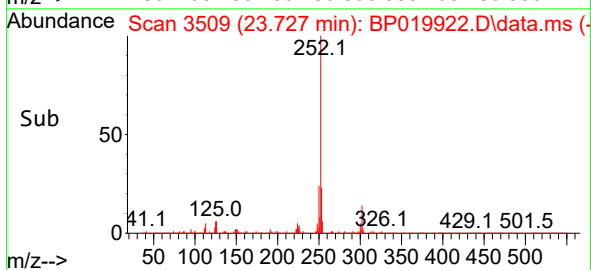
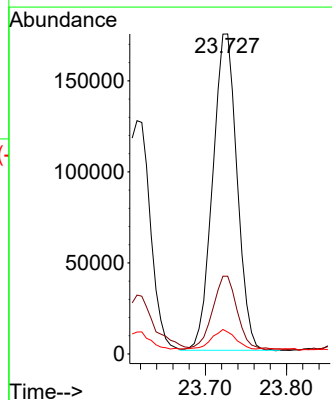
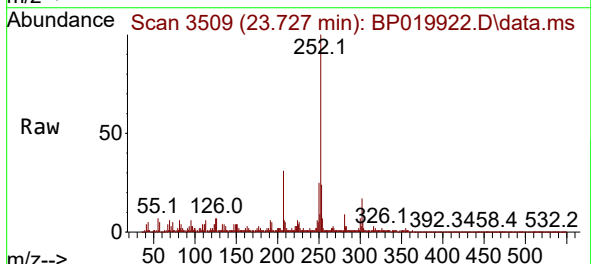
Instrument :
BNA_P
ClientSampleId :
3

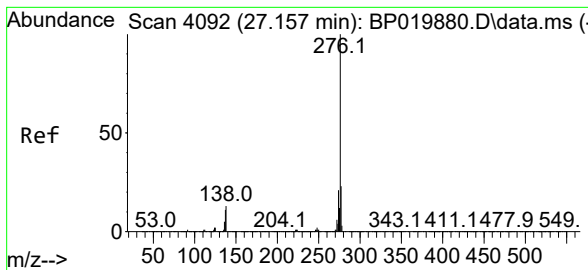
Tgt Ion:252 Resp: 571270
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 6.3 4.6 6.8



#90
Benzo(a)pyrene
Concen: 10.521 ng
RT: 23.727 min Scan# 3509
Delta R.T. 0.000 min
Lab File: BP019922.D
Acq: 28 Feb 2024 18:19

Tgt Ion:252 Resp: 362751
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 6.9 5.2 7.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.192 ng
 RT: 27.157 min Scan# 4092
 Delta R.T. 0.000 min
 Lab File: BP019922.D
 Acq: 28 Feb 2024 18:19

Instrument :
 BNA_P
 ClientSampleId :
 3

Tgt Ion:	276	Resp:	275417
Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	12.4	10.2	15.2

