

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022124\
 Data File : BP019813.D
 Acq On : 21 Feb 2024 18:02
 Operator : MA/JU
 Sample : P1537-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 5

Quant Time: Feb 22 00:14:43 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)

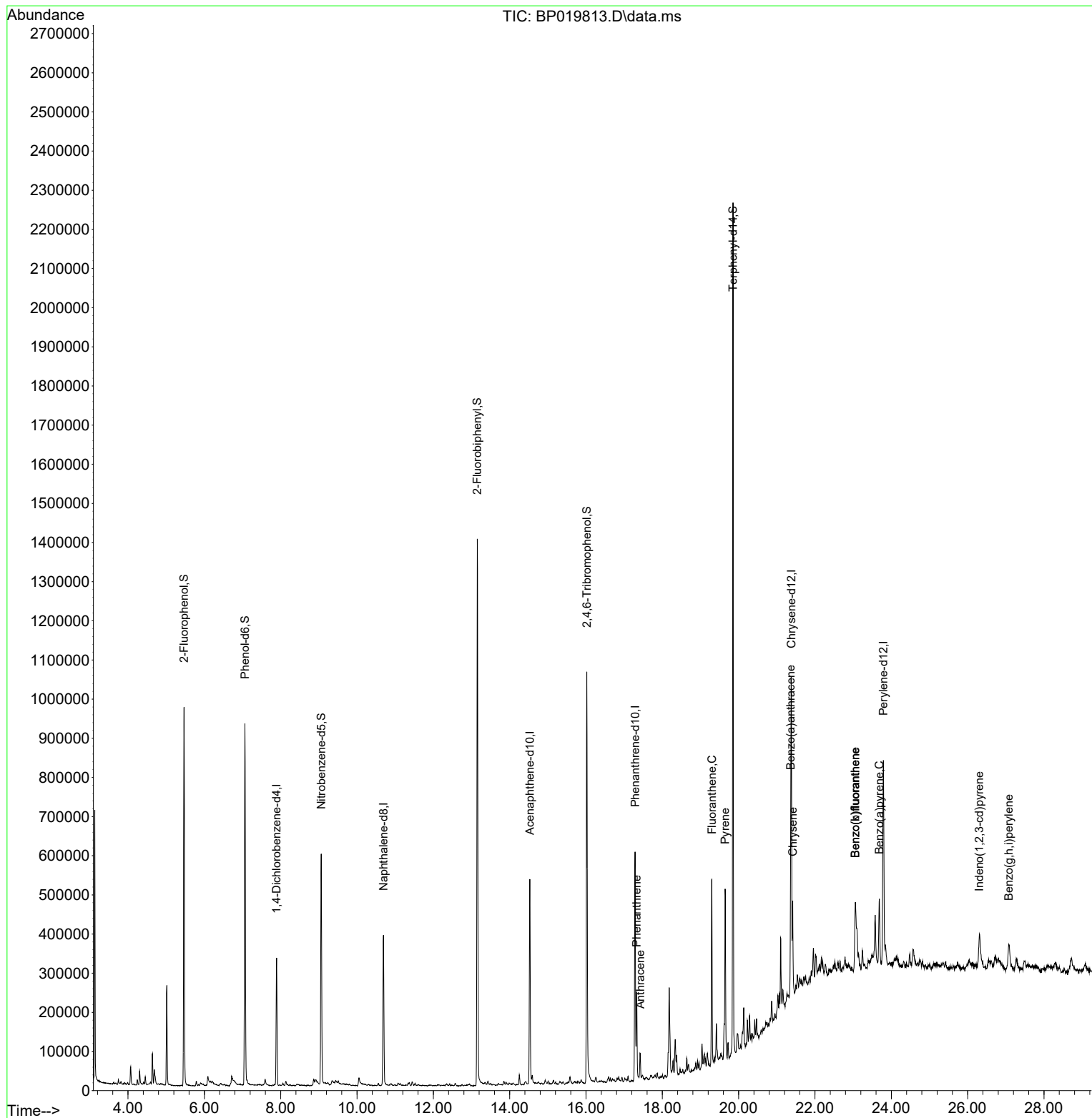
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	88604	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	319932	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	199763	20.000	ng	-0.01
64) Phenanthrene-d10	17.286	188	387875	20.000	ng	0.00
76) Chrysene-d12	21.380	240	363609	20.000	ng	#-0.01
86) Perylene-d12	23.792	264	456227	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	399791	72.732	ng	0.00
7) Phenol-d6	7.063	99	506520	68.341	ng	0.00
23) Nitrobenzene-d5	9.063	82	357560	48.428	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	238677	81.832	ng	-0.01
45) 2-Fluorobiphenyl	13.151	172	774675	47.941	ng	-0.01
79) Terphenyl-d14	19.851	244	1055086	47.720	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.328	178	141212	6.918	ng	98
72) Anthracene	17.422	178	45477	2.233	ng	97
75) Fluoranthene	19.298	202	294407	11.806	ng	99
78) Pyrene	19.645	202	282655	11.015	ng	99
81) Benzo(a)anthracene	21.363	228	169116	6.607	ng	97
83) Chrysene	21.416	228	142981	5.884	ng	96
87) Indeno(1,2,3-cd)pyrene	26.304	276	91984	2.634	ng	# 96
88) Benzo(b)fluoranthene	23.057	252	192596	6.698	ng	96
89) Benzo(k)fluoranthene	23.057	252	192596	7.012	ng	96
90) Benzo(a)pyrene	23.686	252	148113	5.789	ng	97
92) Benzo(g,h,i)perylene	27.080	276	98635	3.385	ng	# 95

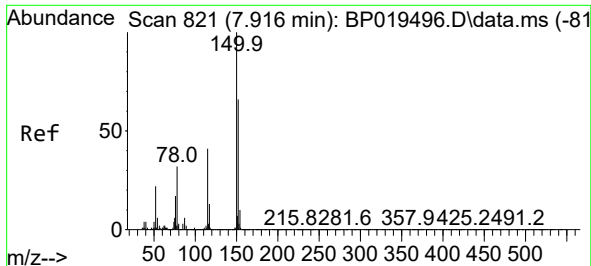
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022124\
Data File : BP019813.D
Acq On : 21 Feb 2024 18:02
Operator : MA/JU
Sample : P1537-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
5

Quant Time: Feb 22 00:14:43 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

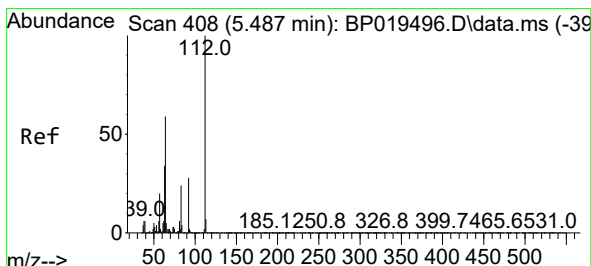
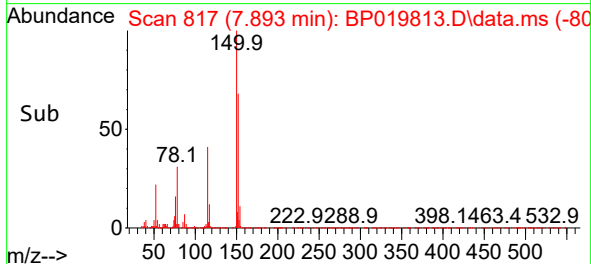
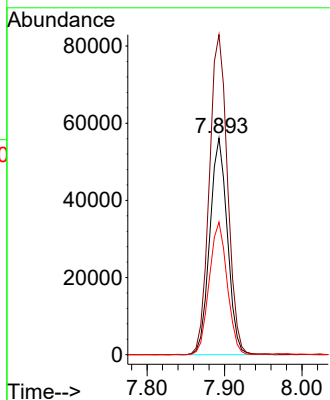
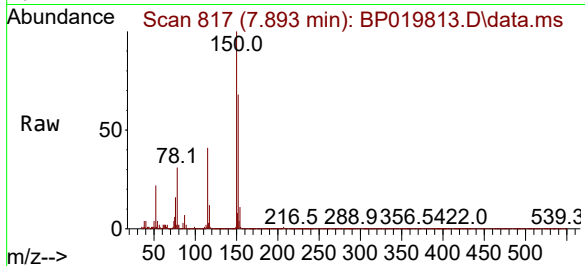




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

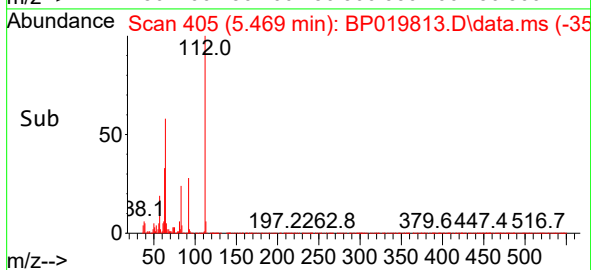
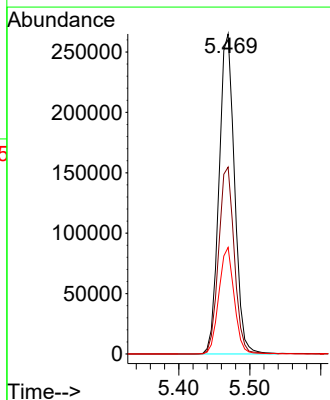
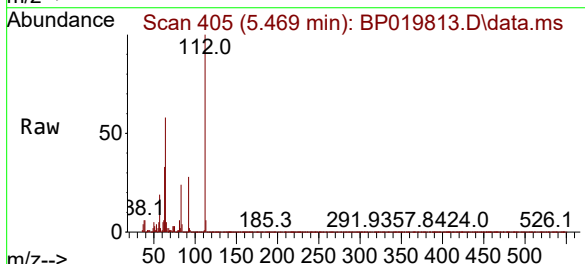
Instrument :
BNA_P
ClientSampleId :
5

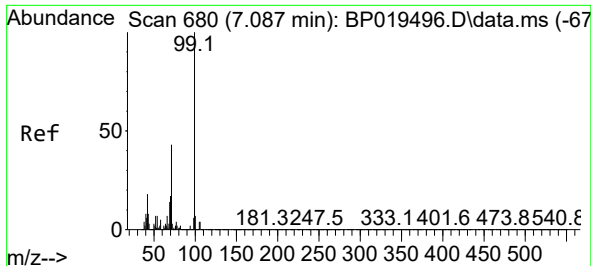
Tgt Ion:152 Resp: 88604
Ion Ratio Lower Upper
152 100
150 147.7 121.8 182.8
115 61.1 49.9 74.9



#5
2-Fluorophenol
Concen: 72.732 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

Tgt Ion:112 Resp: 399791
Ion Ratio Lower Upper
112 100
64 58.4 47.4 71.0
63 33.3 27.0 40.6

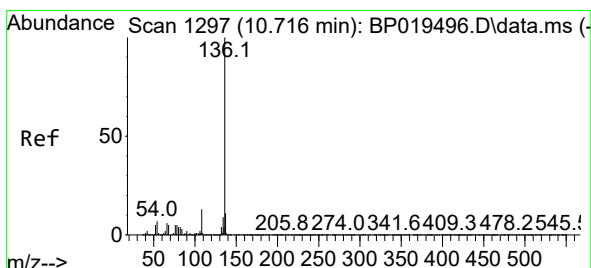
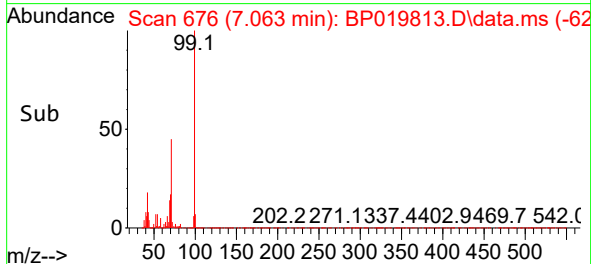
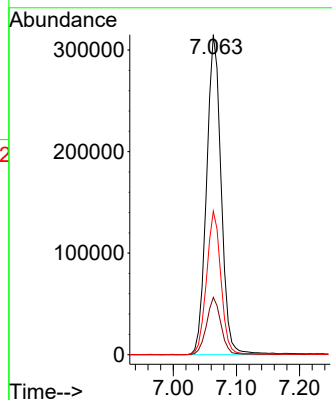
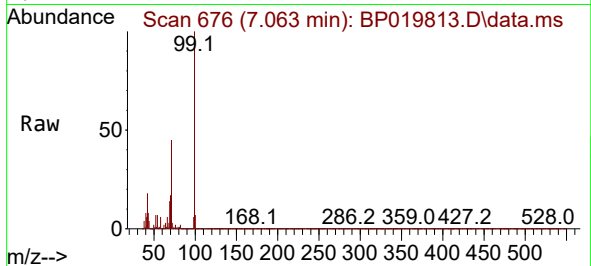




#7
Phenol-d6
Concen: 68.341 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

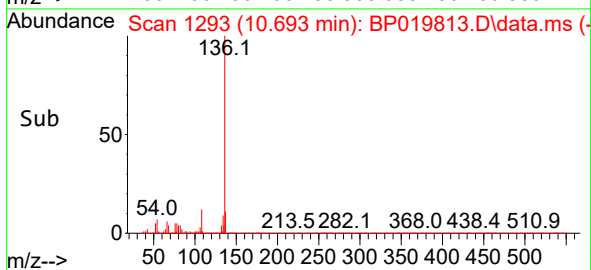
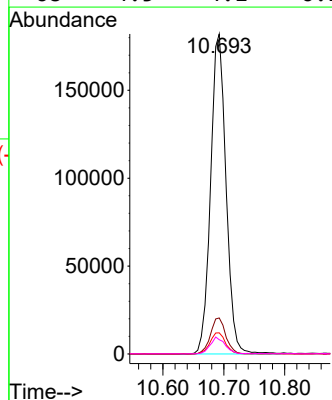
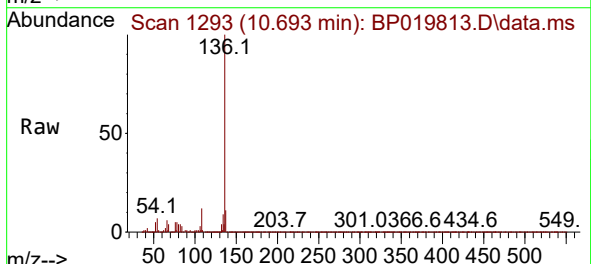
Instrument :
BNA_P
ClientSampleId :
5

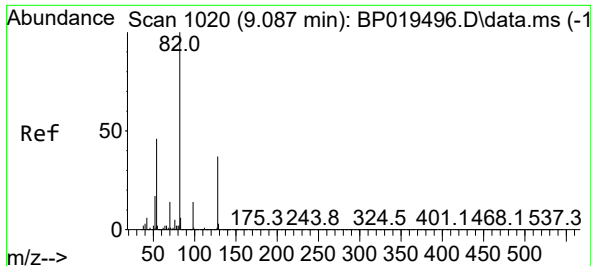
Tgt Ion: 99 Resp: 506520
Ion Ratio Lower Upper
99 100
42 17.9 14.7 22.1
71 44.9 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

Tgt Ion: 136 Resp: 319932
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.6 5.3 7.9
68 4.5 4.1 6.1

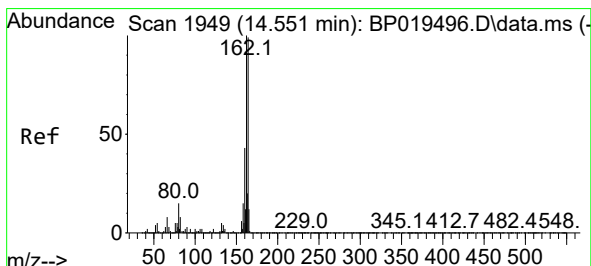
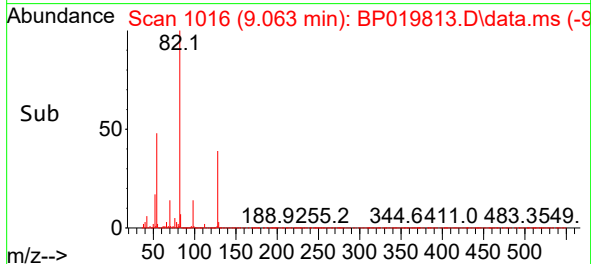
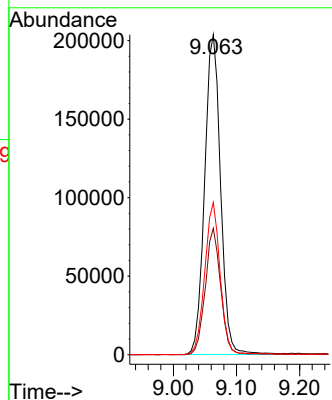
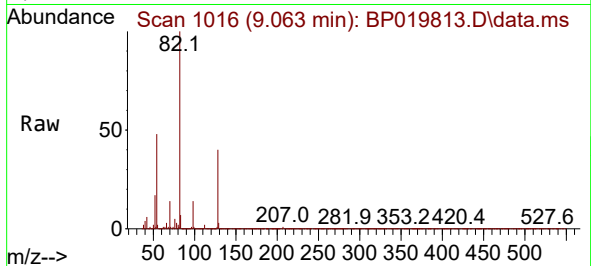




#23
Nitrobenzene-d5
Concen: 48.428 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

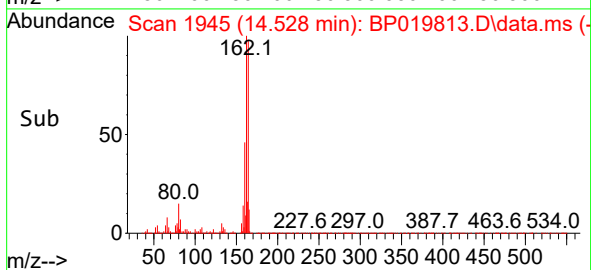
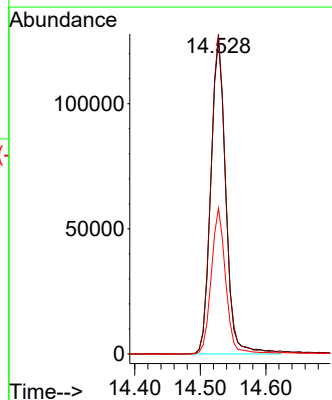
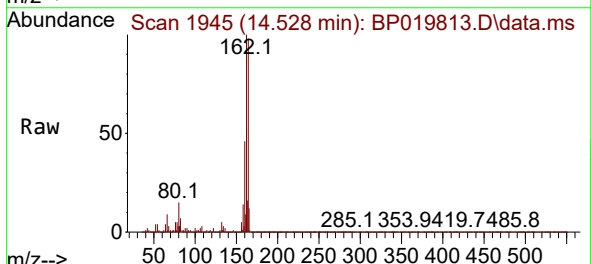
Instrument :
BNA_P
ClientSampleId :
5

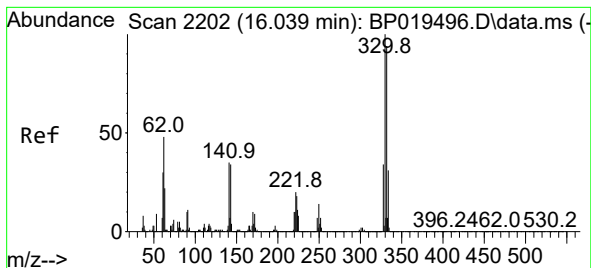
Tgt Ion: 82 Resp: 357560
Ion Ratio Lower Upper
82 100
128 39.5 29.7 44.5
54 47.5 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

Tgt Ion: 164 Resp: 199763
Ion Ratio Lower Upper
164 100
162 101.9 81.2 121.8
160 46.4 35.1 52.7

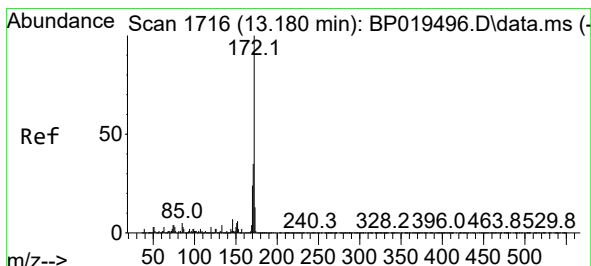
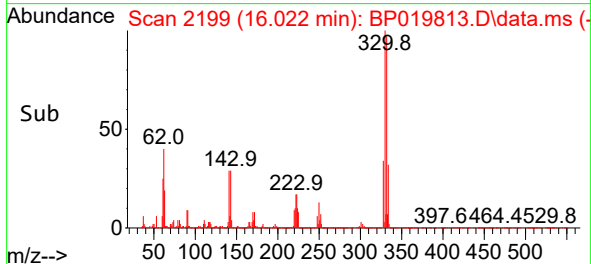
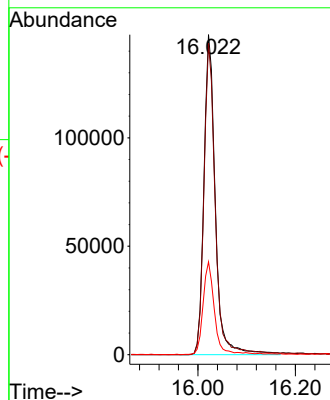
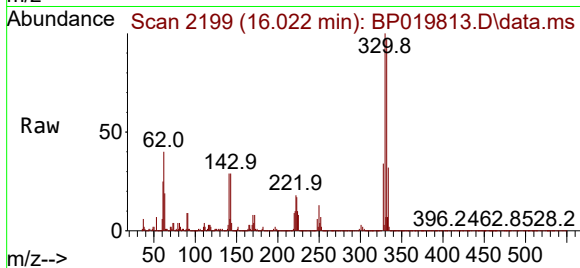




#42
2,4,6-Tribromophenol
Concen: 81.832 ng
RT: 16.022 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

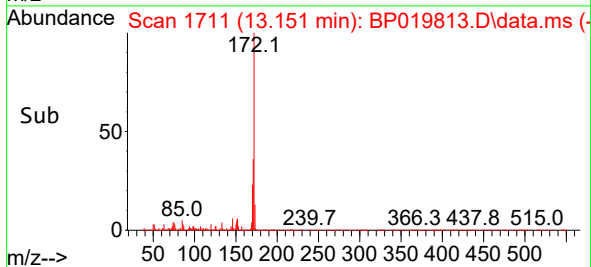
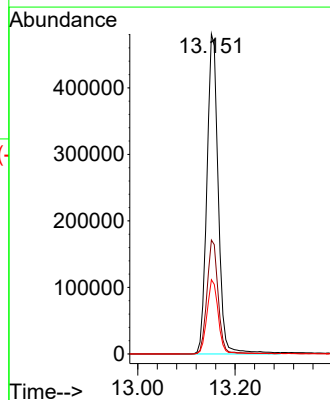
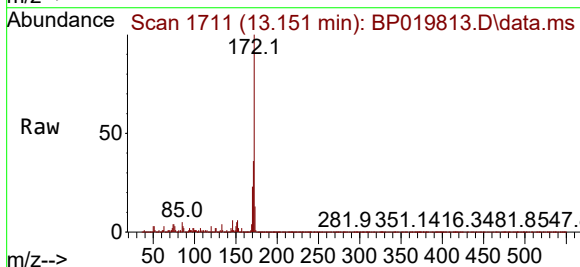
Instrument :
BNA_P
ClientSampleId :
5

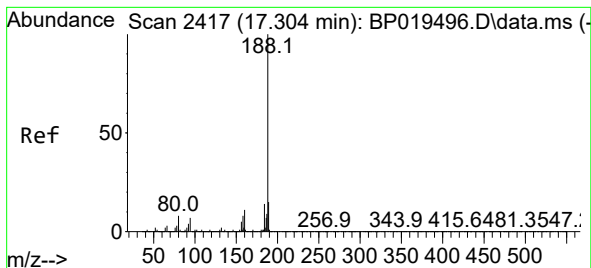
Tgt Ion:330 Resp: 238677
Ion Ratio Lower Upper
330 100
332 96.5 77.2 115.8
141 29.0 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 47.941 ng
RT: 13.151 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BP019813.D
Acq: 21 Feb 2024 18:02

Tgt Ion:172 Resp: 774675
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 23.2 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.286 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5

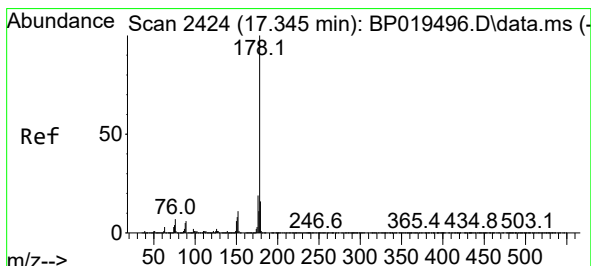
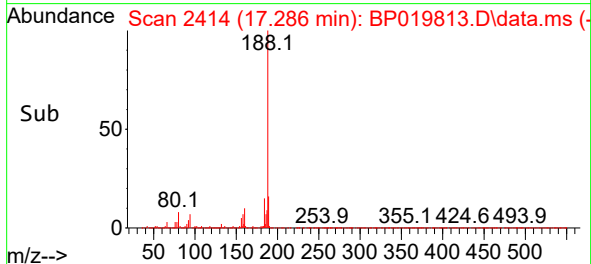
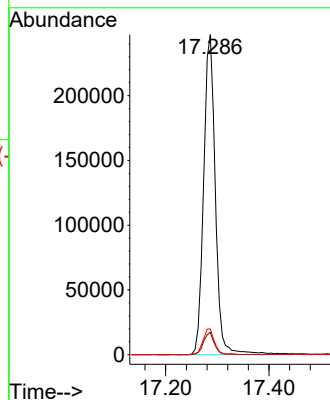
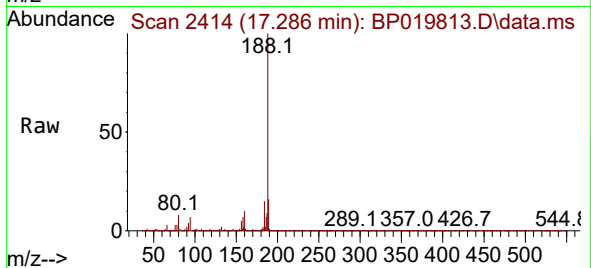
Tgt Ion:188 Resp: 387875

Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.0 6.3 9.5



#71

Phenanthrene

Concen: 6.918 ng

RT: 17.328 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

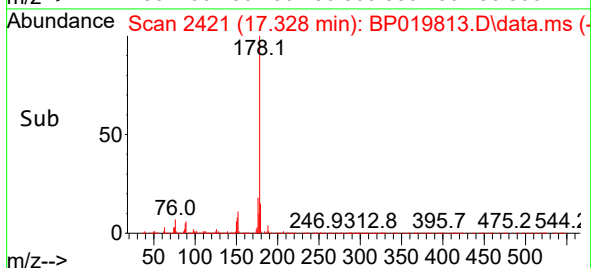
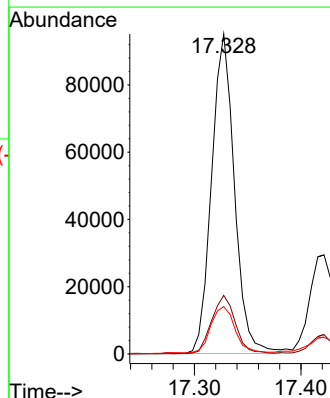
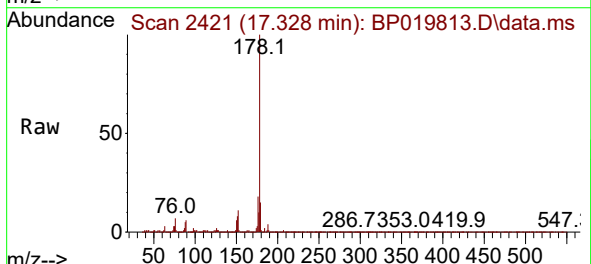
Tgt Ion:178 Resp: 141212

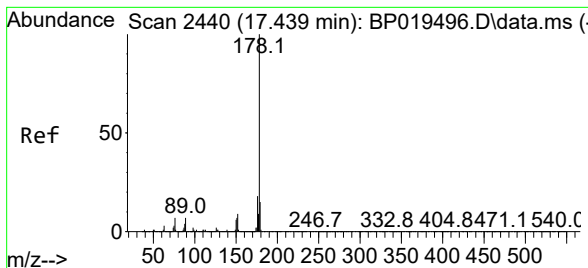
Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 14.8 12.6 19.0





#72

Anthracene

Concen: 2.233 ng

RT: 17.422 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5

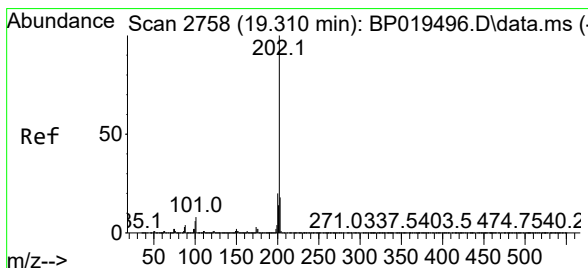
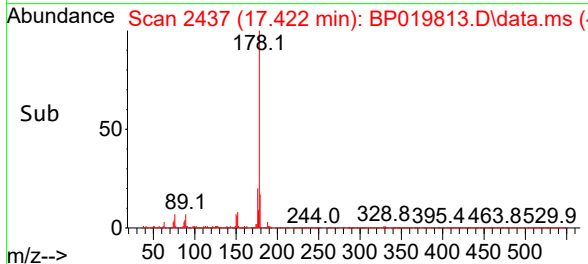
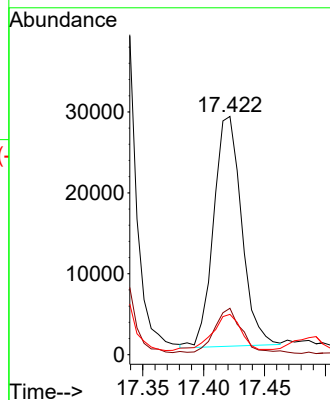
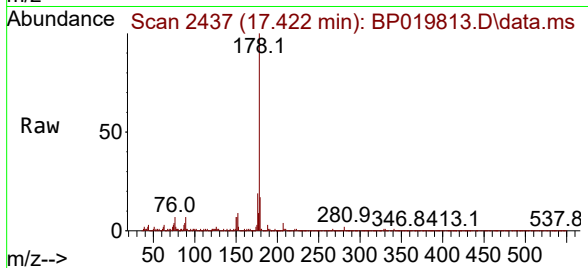
Tgt Ion:178 Resp: 45477

Ion Ratio Lower Upper

178 100

176 19.5 14.7 22.1

179 16.9 12.2 18.2



#75

Fluoranthene

Concen: 11.806 ng

RT: 19.298 min Scan# 2756

Delta R.T. -0.006 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

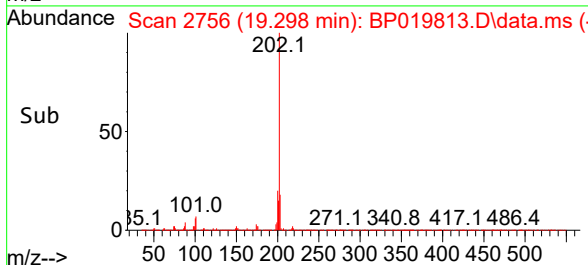
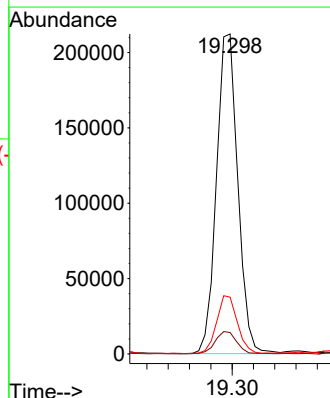
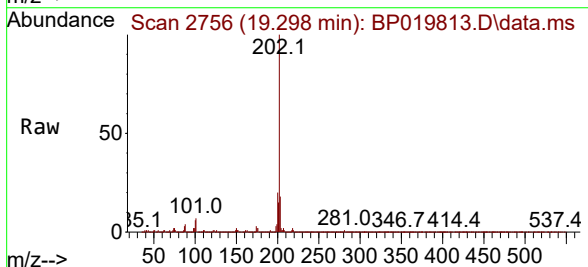
Tgt Ion:202 Resp: 294407

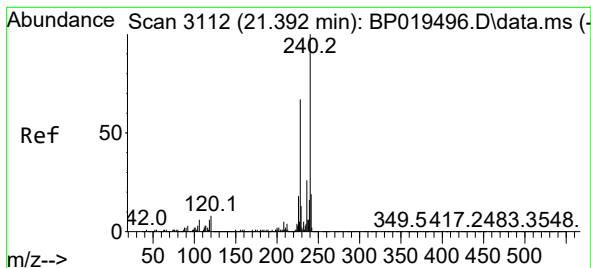
Ion Ratio Lower Upper

202 100

101 6.7 0.0 27.7

203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5

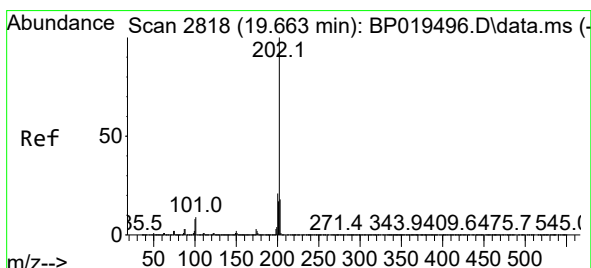
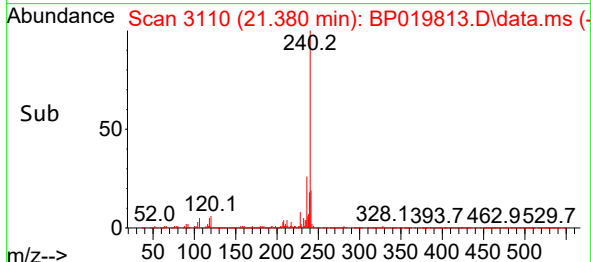
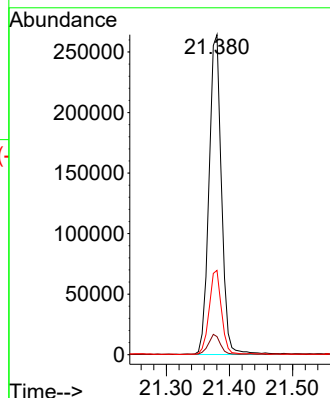
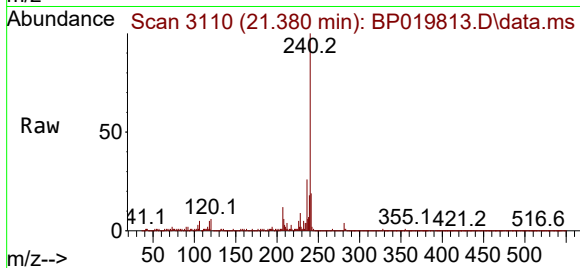
Tgt Ion:240 Resp: 363609

Ion Ratio Lower Upper

240 100

120 5.6 6.1 9.1#

236 26.3 20.7 31.1



#78

Pyrene

Concen: 11.015 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.012 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

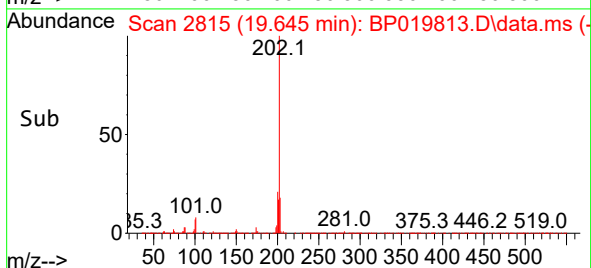
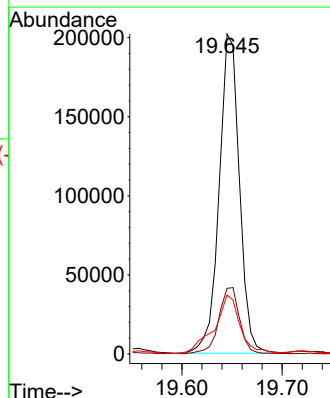
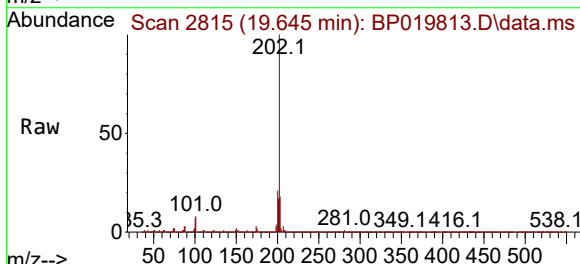
Tgt Ion:202 Resp: 282655

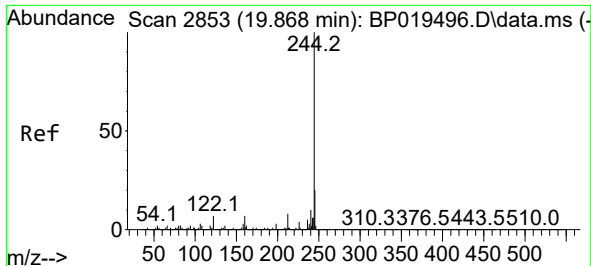
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 18.4 14.2 21.2

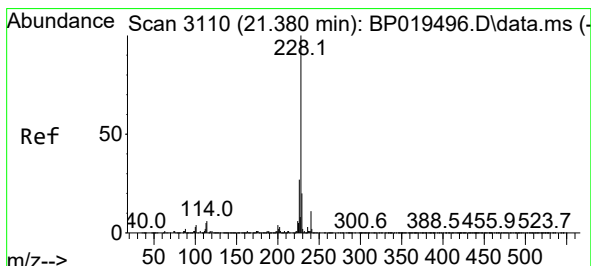
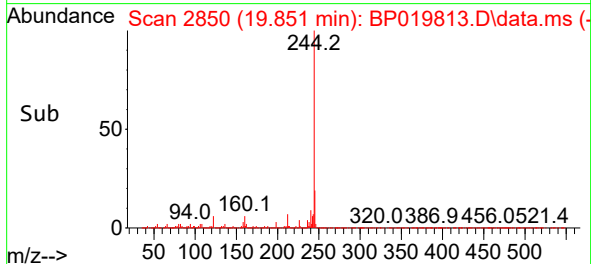
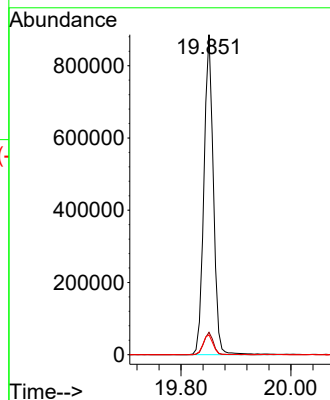
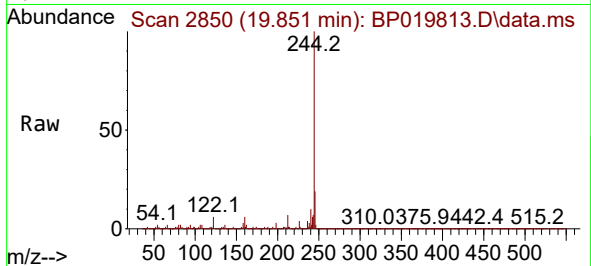




#79
 Terphenyl-d14
 Concen: 47.720 ng
 RT: 19.851 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP019813.D
 Acq: 21 Feb 2024 18:02

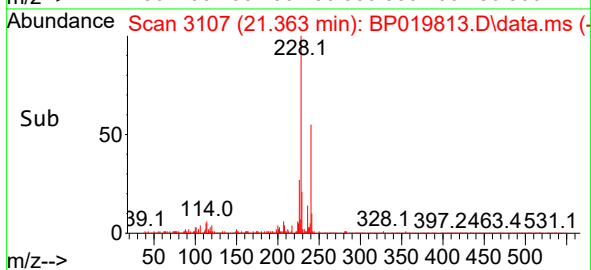
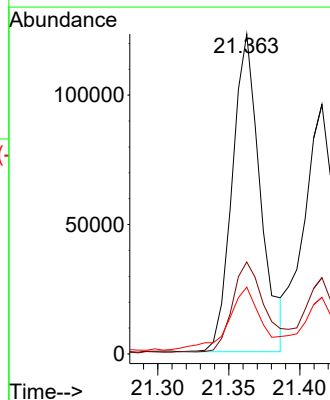
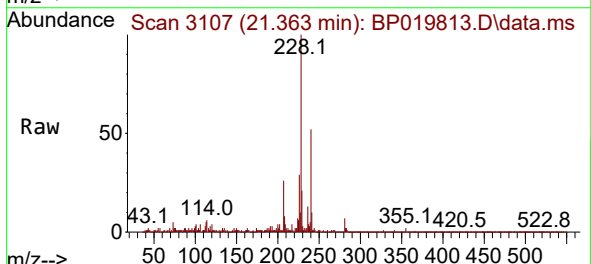
Instrument :
 BNA_P
 ClientSampleId :
 5

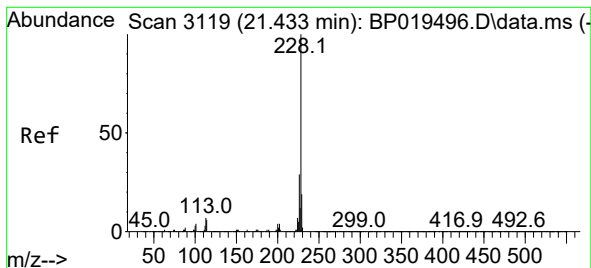
Tgt Ion:244 Resp: 1055086
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.2 5.9 8.9



#81
 Benzo(a)anthracene
 Concen: 6.607 ng
 RT: 21.363 min Scan# 3107
 Delta R.T. -0.012 min
 Lab File: BP019813.D
 Acq: 21 Feb 2024 18:02

Tgt Ion:228 Resp: 169116
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.7 32.5
 229 20.9 15.6 23.4





#83

Chrysene

Concen: 5.884 ng

RT: 21.416 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5

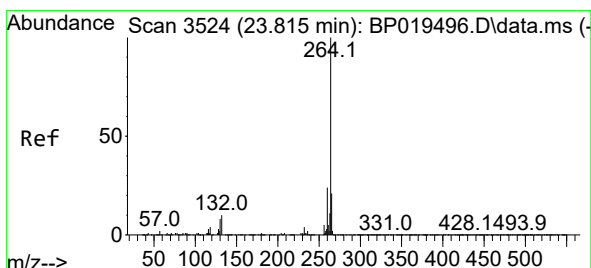
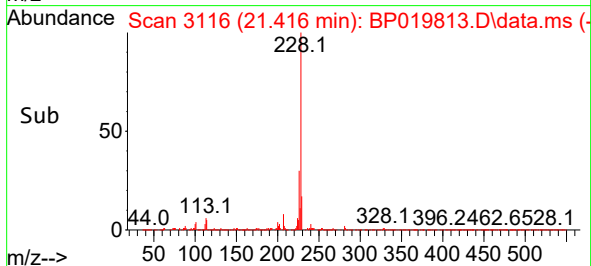
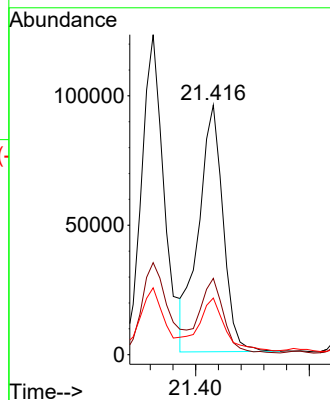
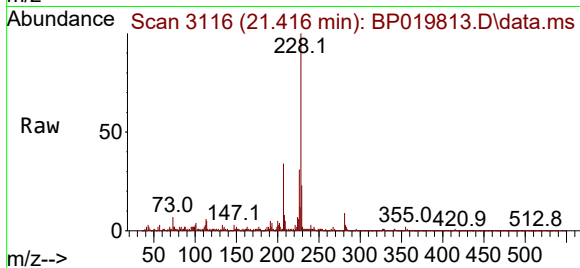
Tgt Ion:228 Resp: 142981

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.7 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.792 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

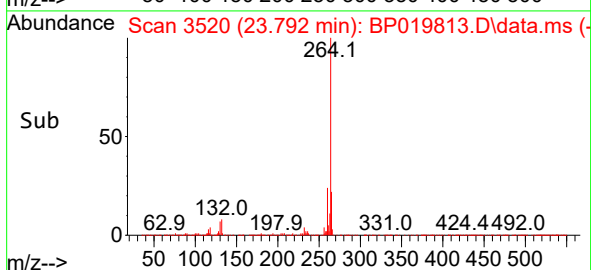
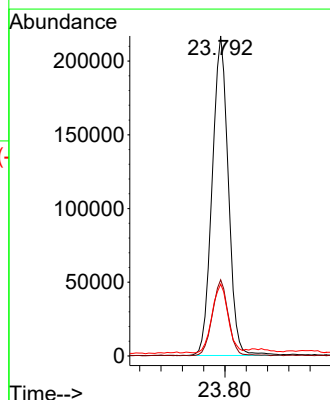
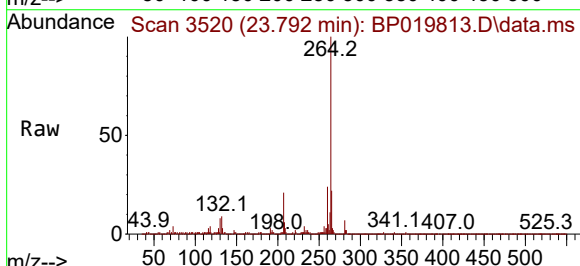
Tgt Ion:264 Resp: 456227

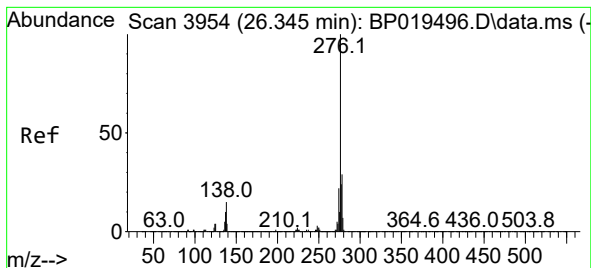
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.634 ng

RT: 26.304 min Scan# 3947

Delta R.T. -0.041 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5

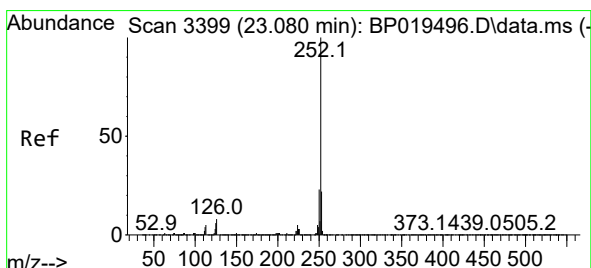
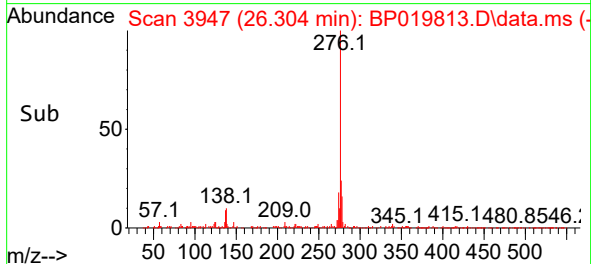
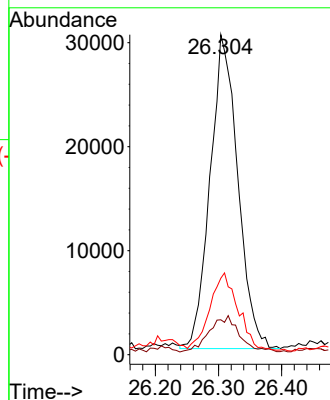
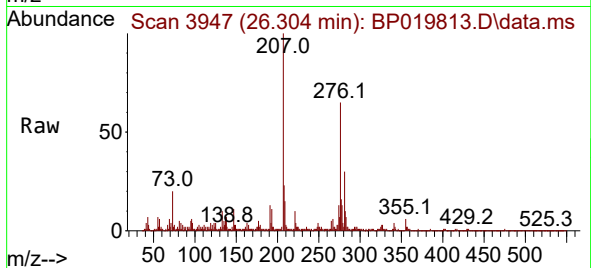
Tgt Ion:276 Resp: 91984

Ion Ratio Lower Upper

276 100

138 12.4 13.1 19.7#

277 24.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.698 ng

RT: 23.057 min Scan# 3395

Delta R.T. -0.018 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

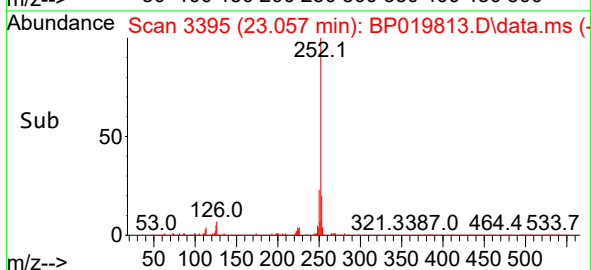
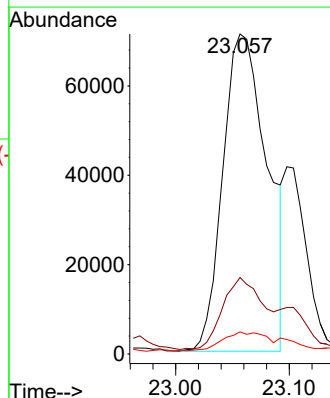
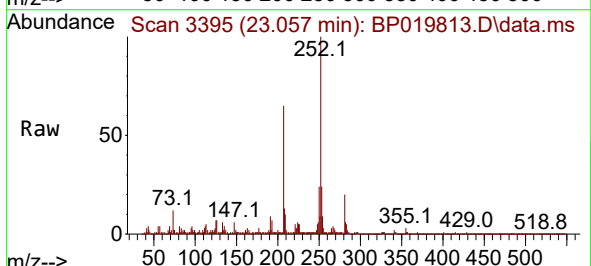
Tgt Ion:252 Resp: 192596

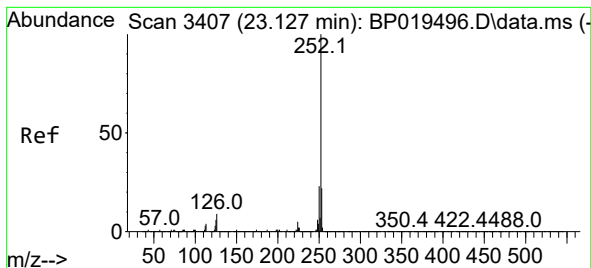
Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 6.9 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 7.012 ng

RT: 23.057 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5

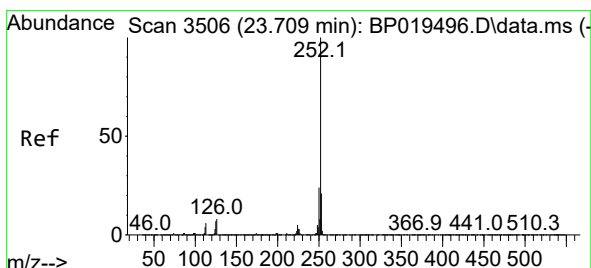
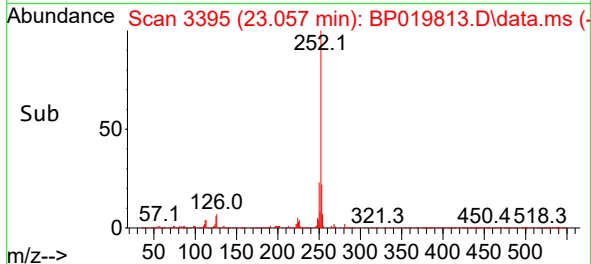
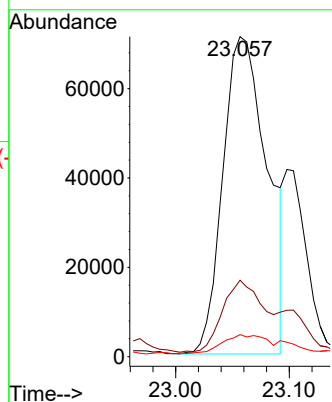
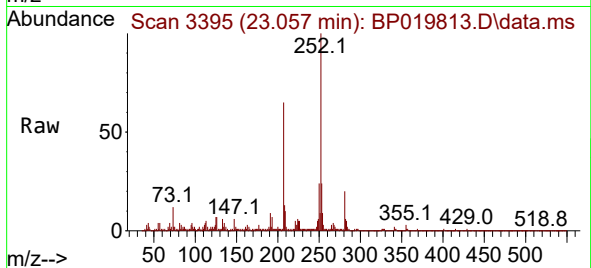
Tgt Ion:252 Resp: 192596

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 6.9 5.0 7.6



#90

Benzo(a)pyrene

Concen: 5.789 ng

RT: 23.686 min Scan# 3502

Delta R.T. -0.018 min

Lab File: BP019813.D

Acq: 21 Feb 2024 18:02

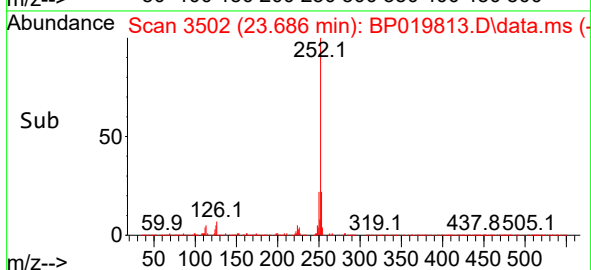
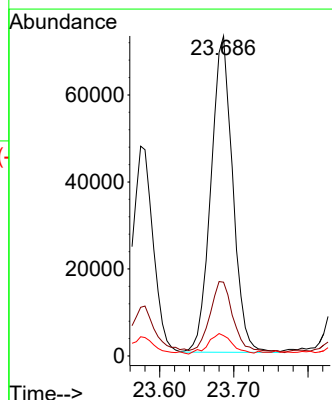
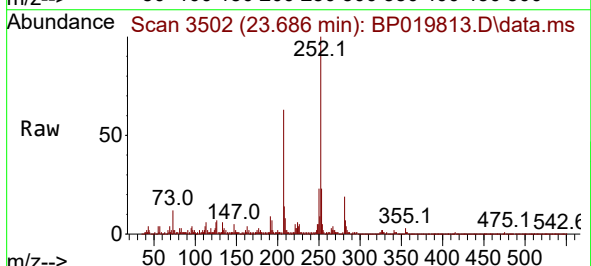
Tgt Ion:252 Resp: 148113

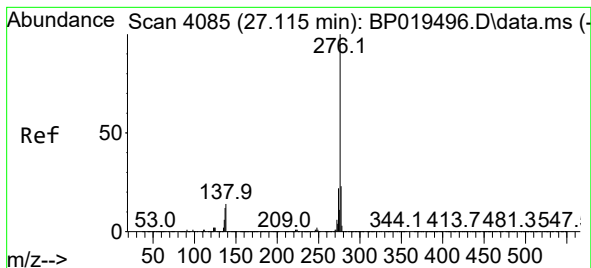
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 6.3 5.6 8.4





#92

Benzo(g,h,i)perylene

Concen: 3.385 ng

RT: 27.080 min Scan# 40

Delta R.T. -0.041 min

Lab File: BP019813.D

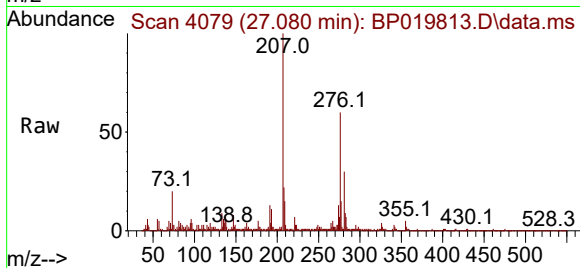
Acq: 21 Feb 2024 18:02

Instrument :

BNA_P

ClientSampleId :

5



Tgt Ion:276 Resp: 98635

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 10.9 10.9 16.3#

