

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019924.D
 Acq On : 28 Feb 2024 19:27
 Operator : MA/JU
 Sample : P1612-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-022724

Quant Time: Feb 29 00:34:51 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)

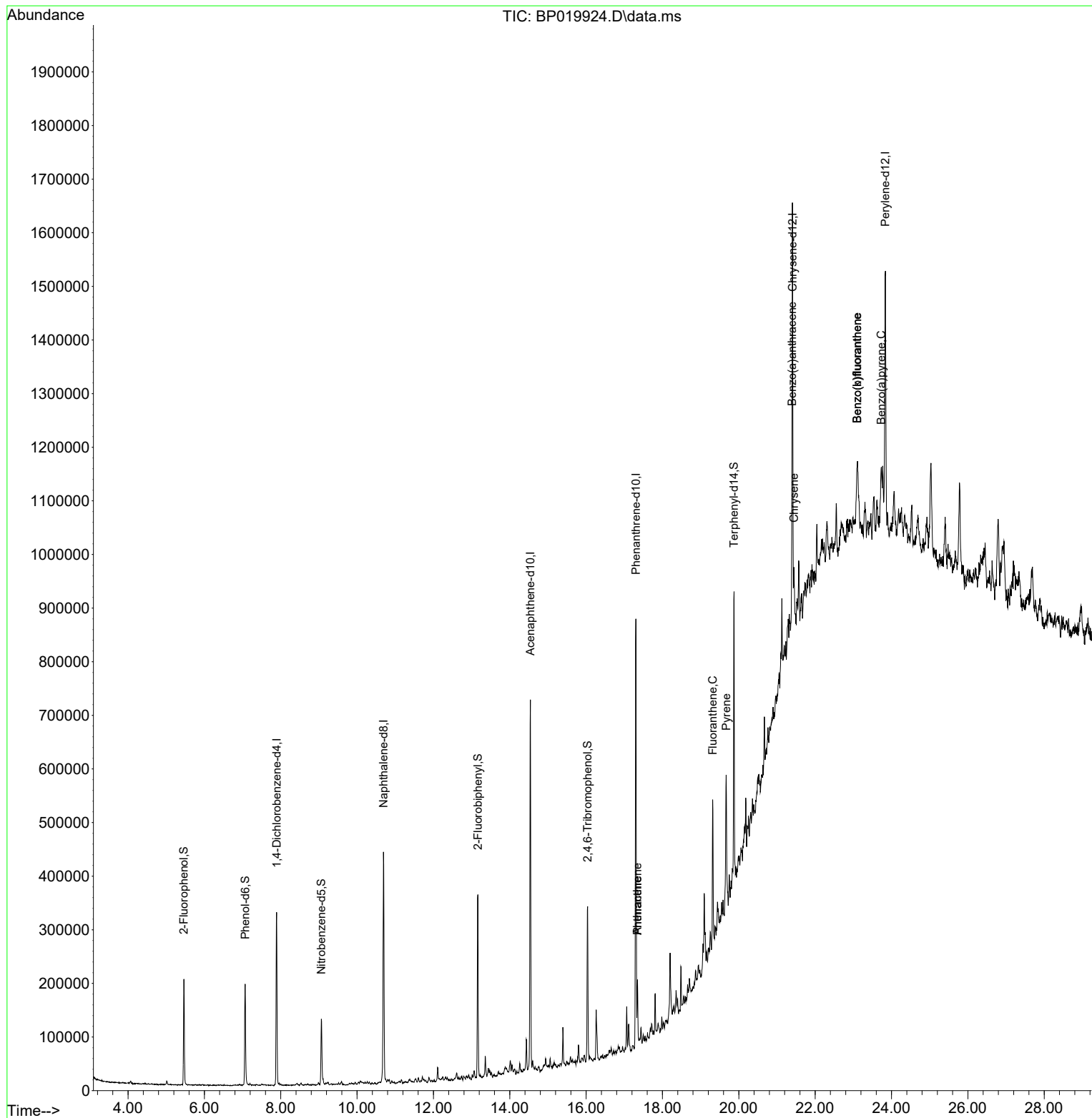
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	91493	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	359088	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	248375	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	507276	20.000	ng	0.00
76) Chrysene-d12	21.404	240	372050	20.000	ng	0.00
86) Perylene-d12	23.839	264	411896	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	83077	14.904	ng	0.00
7) Phenol-d6	7.069	99	116556	14.044	ng	0.00
23) Nitrobenzene-d5	9.063	82	79177	8.902	ng	-0.01
42) 2,4,6-Tribromophenol	16.040	330	63804	14.982	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	190796	10.379	ng	0.00
79) Terphenyl-d14	19.875	244	273304	11.578	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.345	178	74499	2.751	ng	97
72) Anthracene	17.345	178	74499	2.695	ng	96
75) Fluoranthene	19.316	202	145516	4.141	ng	99
78) Pyrene	19.669	202	129625	5.071	ng	99
81) Benzo(a)anthracene	21.392	228	61352	2.323	ng	# 90
83) Chrysene	21.445	228	70408	2.845	ng	# 90
88) Benzo(b)fluoranthene	23.098	252	81296	3.219	ng	# 61
89) Benzo(k)fluoranthene	23.098	252	81296	3.283	ng	# 60
90) Benzo(a)pyrene	23.727	252	55094	2.283	ng	# 74

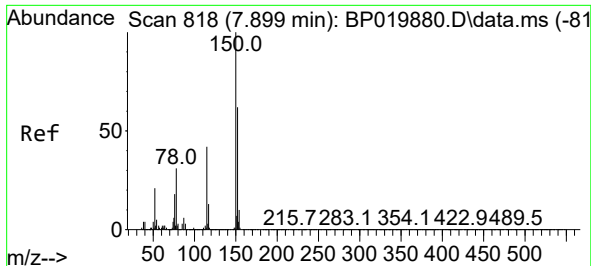
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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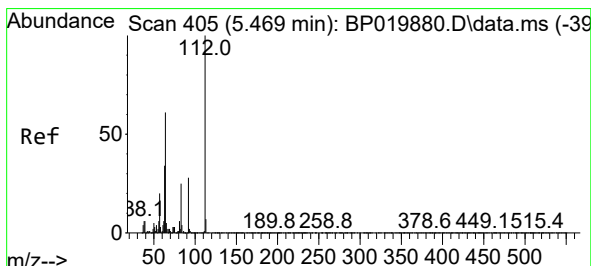
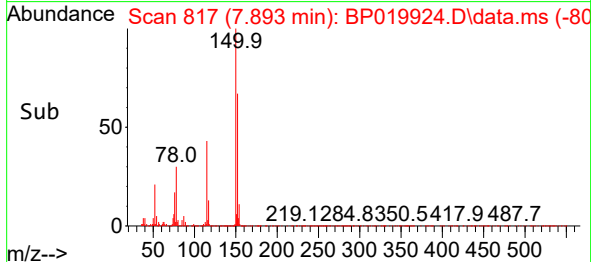
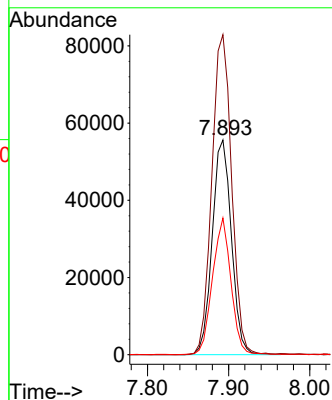
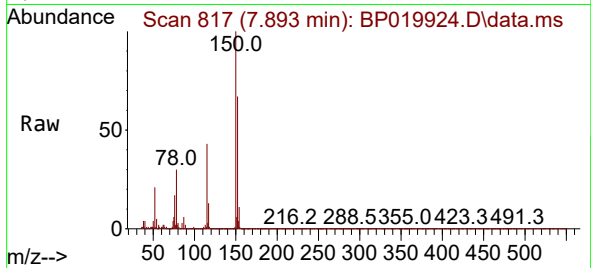




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

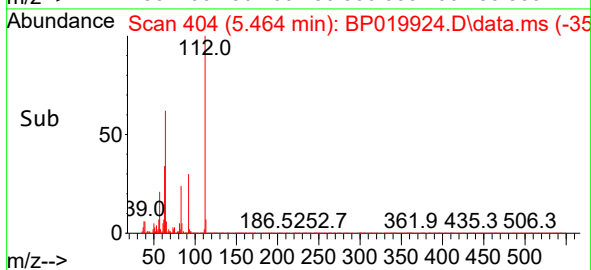
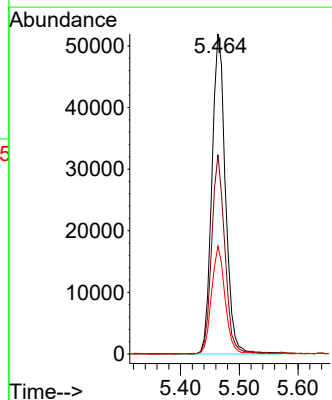
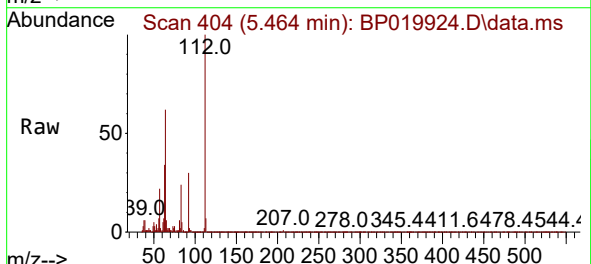
Instrument :
BNA_P
ClientSampleId :
OK-02-022724

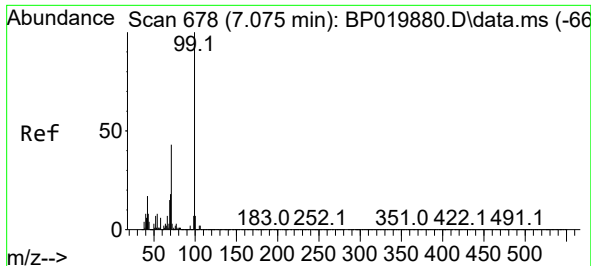
Tgt Ion:152 Resp: 91493
Ion Ratio Lower Upper
152 100
150 149.0 128.6 192.8
115 63.7 53.4 80.2



#5
2-Fluorophenol
Concen: 14.904 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:112 Resp: 83077
Ion Ratio Lower Upper
112 100
64 62.3 49.0 73.6
63 33.6 27.6 41.4

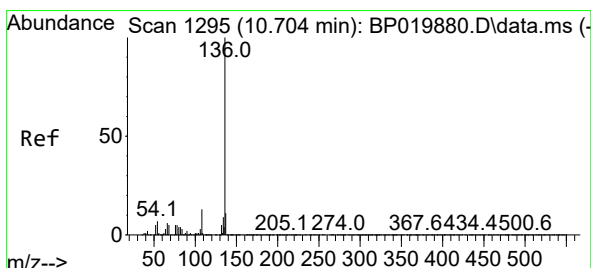
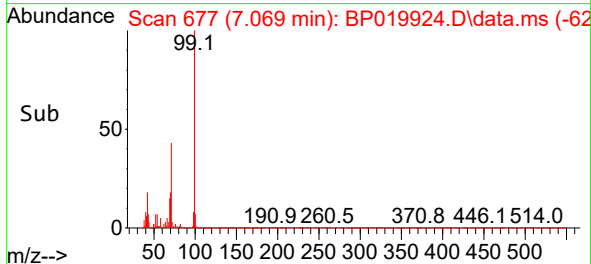
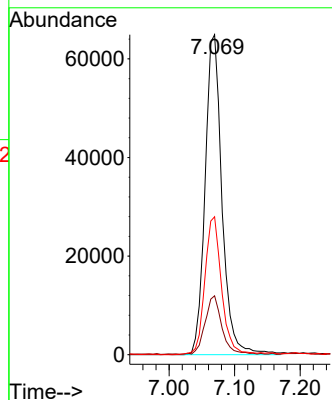
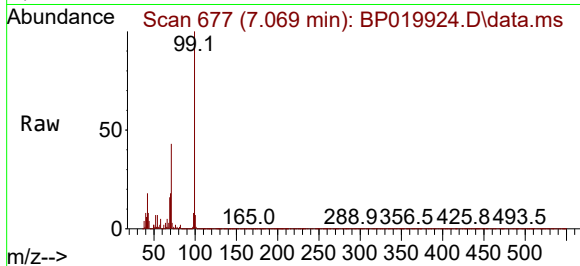




#7
Phenol-d6
Concen: 14.044 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

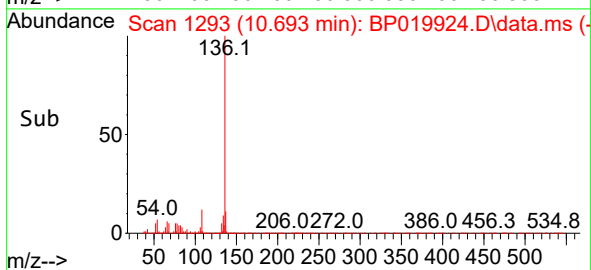
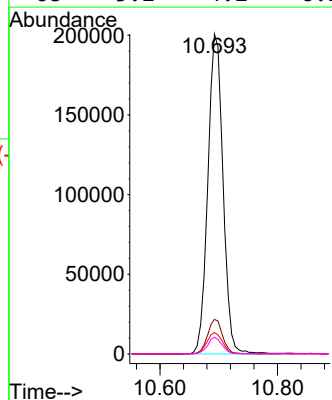
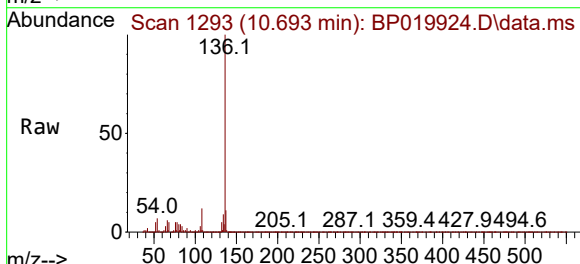
Instrument :
BNA_P
ClientSampleId :
OK-02-022724

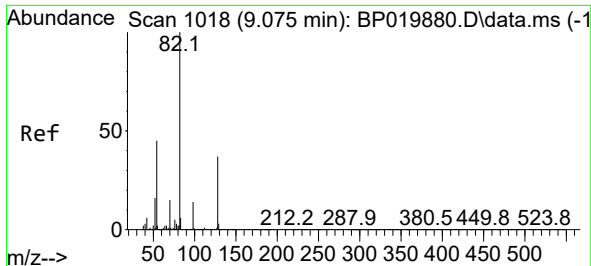
Tgt Ion: 99 Resp: 116556
Ion Ratio Lower Upper
99 100
42 18.4 13.8 20.8
71 43.1 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:136 Resp: 359088
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.7 6.0 9.0
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 8.902 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724

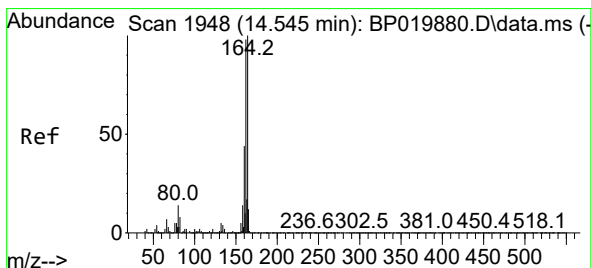
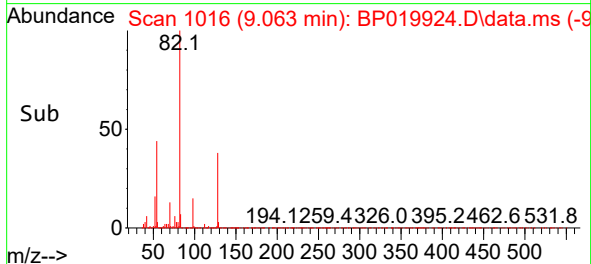
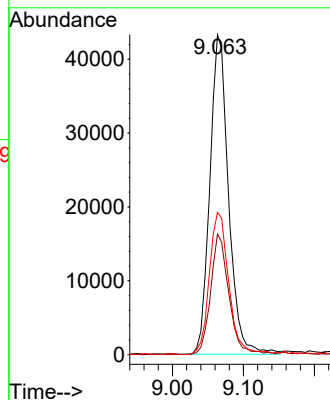
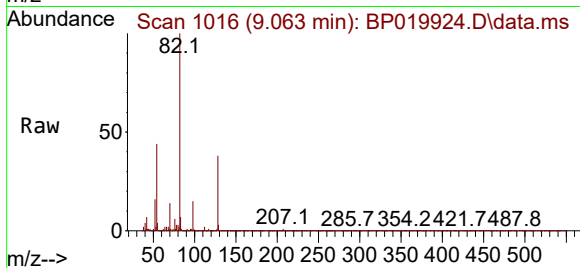
Tgt Ion: 82 Resp: 79177

Ion Ratio Lower Upper

82 100

128 37.7 29.6 44.4

54 44.5 36.3 54.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

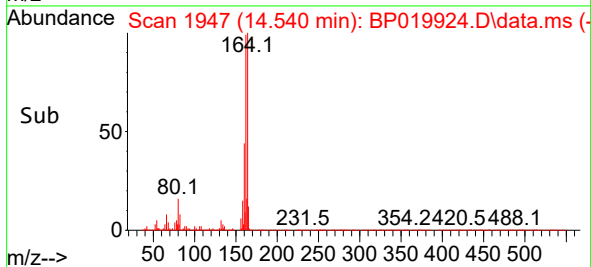
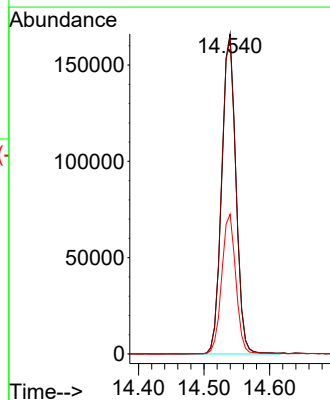
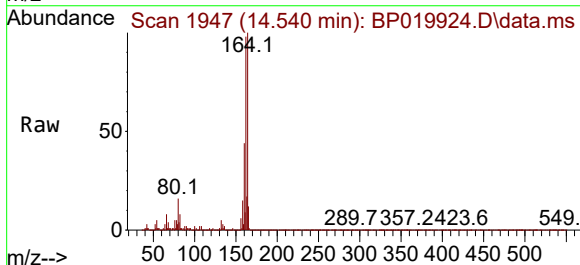
Tgt Ion: 164 Resp: 248375

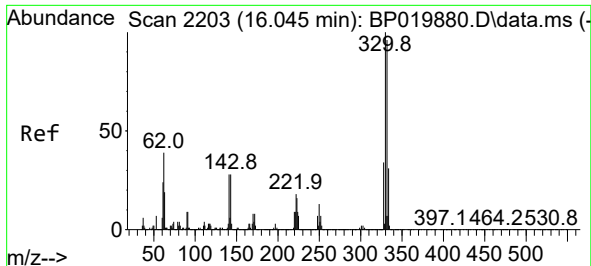
Ion Ratio Lower Upper

164 100

162 98.5 78.1 117.1

160 43.7 35.3 52.9

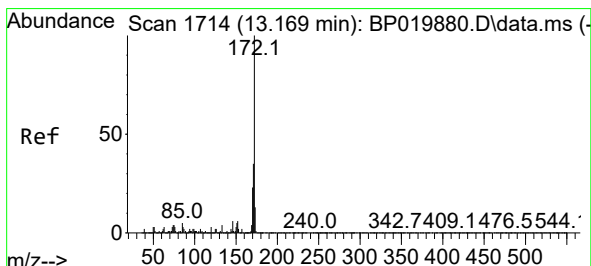
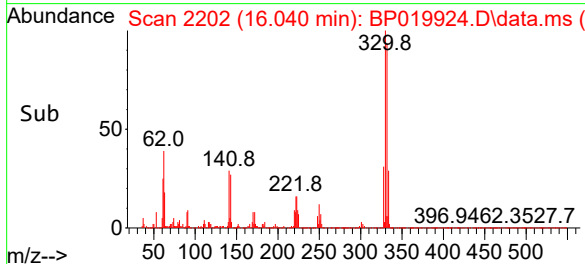
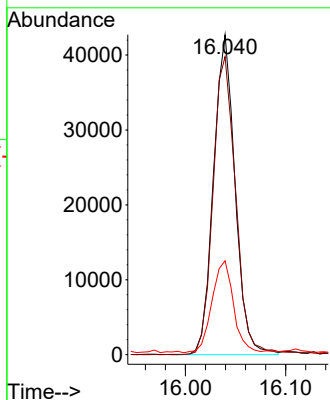
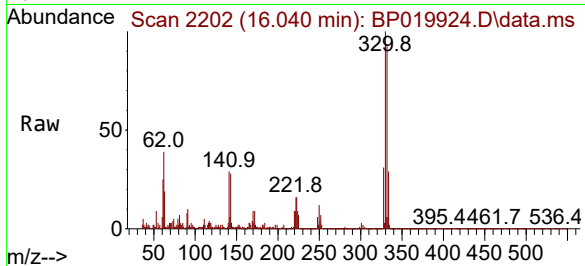




#42
2,4,6-Tribromophenol
Concen: 14.982 ng
RT: 16.040 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

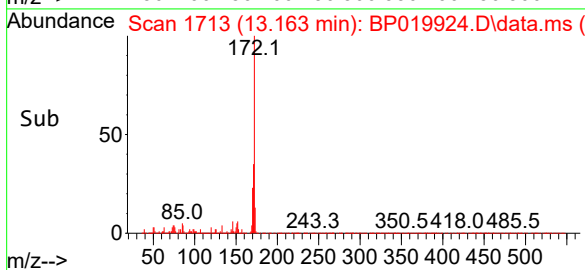
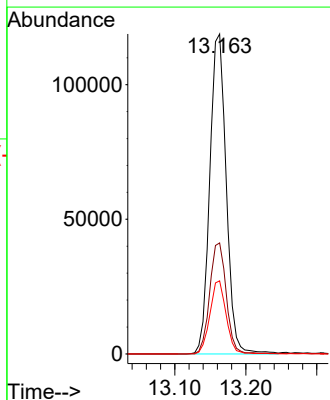
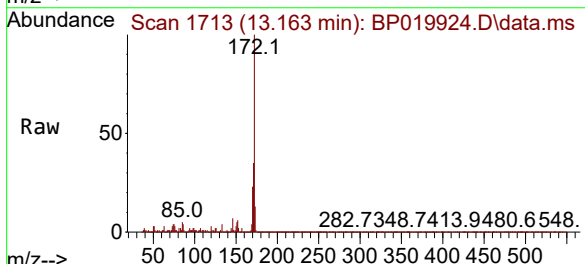
Instrument :
BNA_P
ClientSampleId :
OK-02-022724

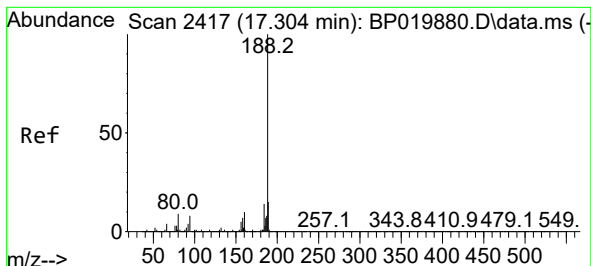
Tgt Ion:330 Resp: 63804
Ion Ratio Lower Upper
330 100
332 98.5 77.4 116.2
141 29.1 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 10.379 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:172 Resp: 190796
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 22.9 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724

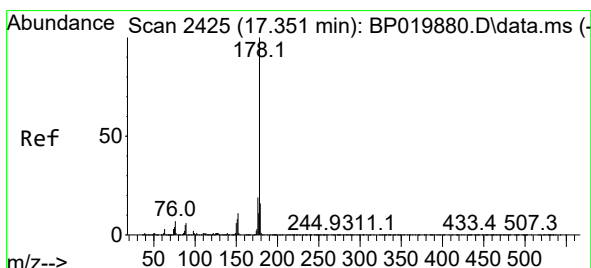
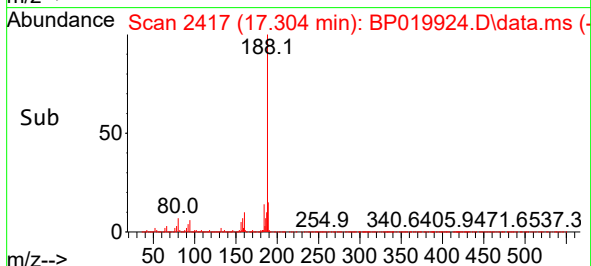
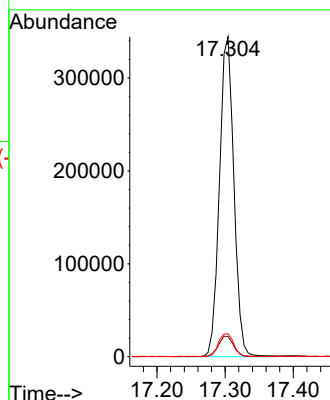
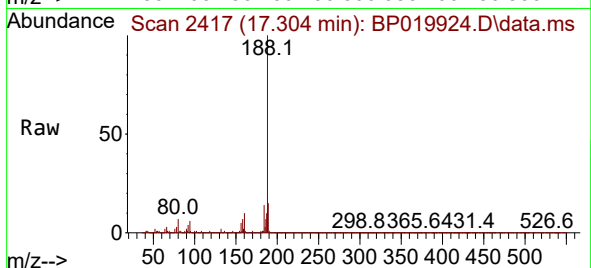
Tgt Ion:188 Resp: 507276

Ion Ratio Lower Upper

188 100

94 6.3 6.2 9.4

80 7.2 7.0 10.4



#71

Phenanthrene

Concen: 2.751 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

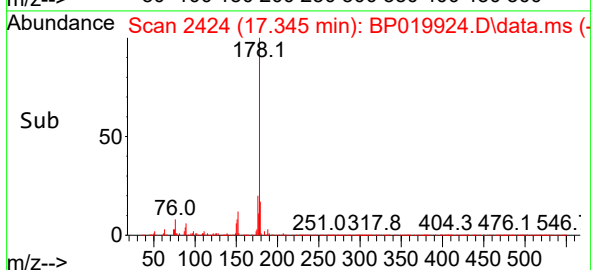
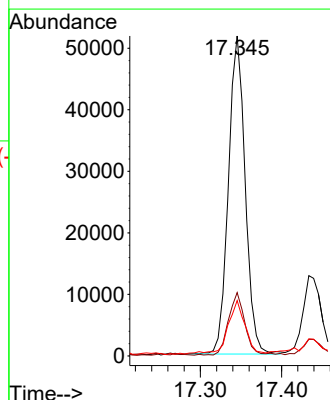
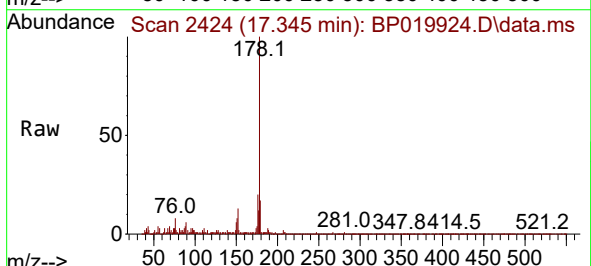
Tgt Ion:178 Resp: 74499

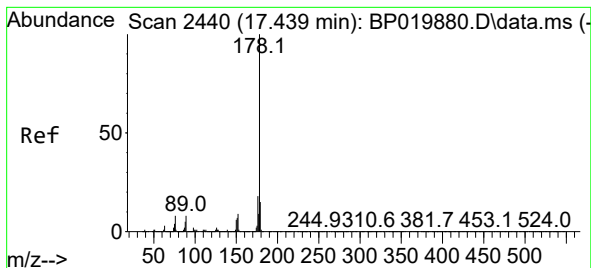
Ion Ratio Lower Upper

178 100

176 19.8 15.2 22.8

179 17.3 12.5 18.7





#72

Anthracene

Concen: 2.695 ng

RT: 17.345 min Scan# 2440

Delta R.T. -0.094 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724

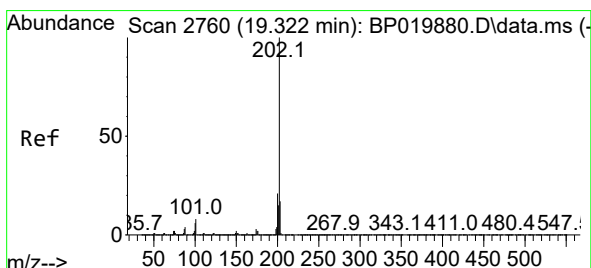
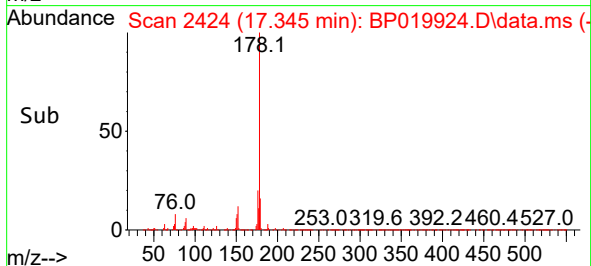
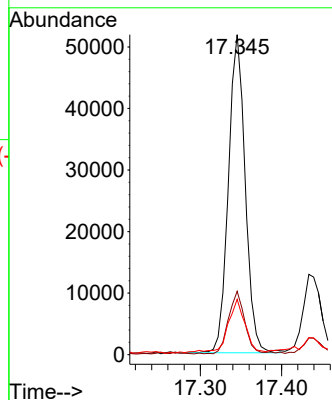
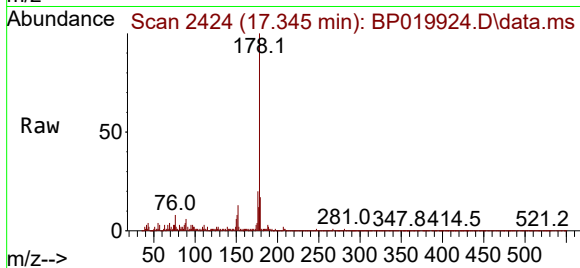
Tgt Ion:178 Resp: 74499

Ion Ratio Lower Upper

178 100

176 19.8 14.7 22.1

179 17.3 12.2 18.4



#75

Fluoranthene

Concen: 4.141 ng

RT: 19.316 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

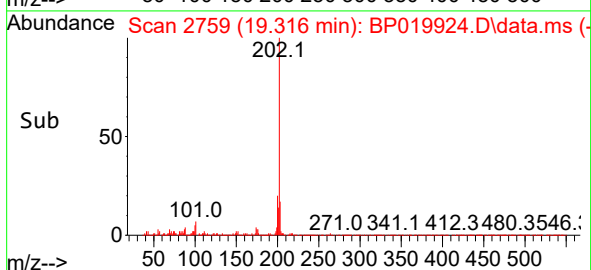
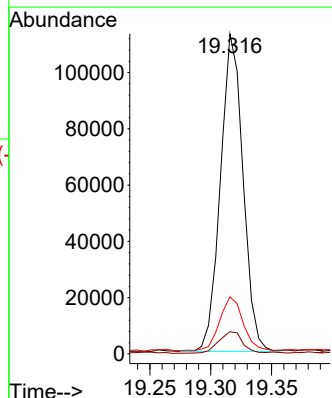
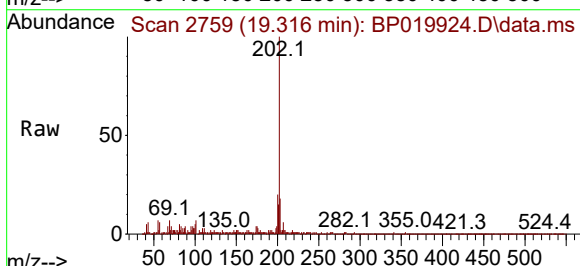
Tgt Ion:202 Resp: 145516

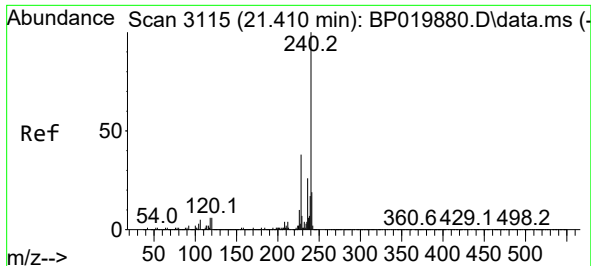
Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.7

203 17.9 0.0 37.5

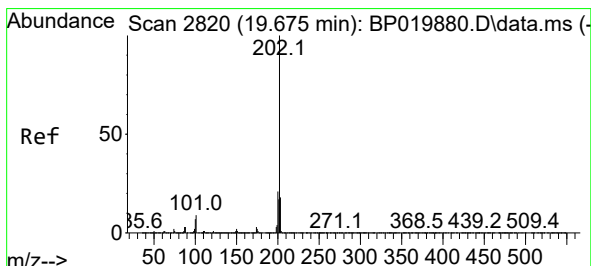
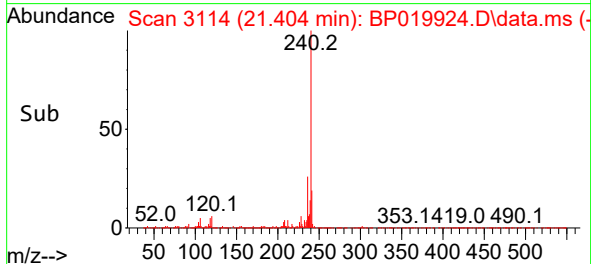
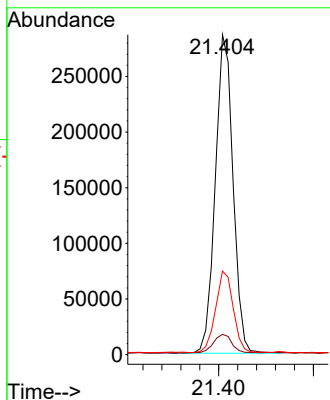
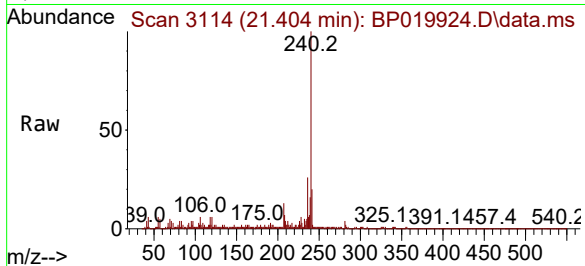




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

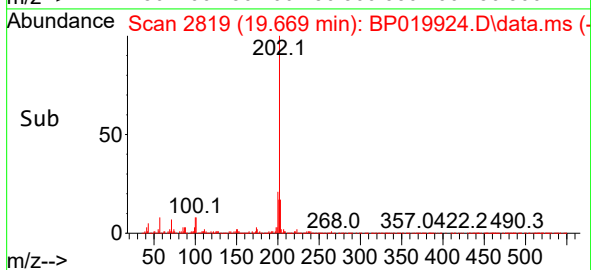
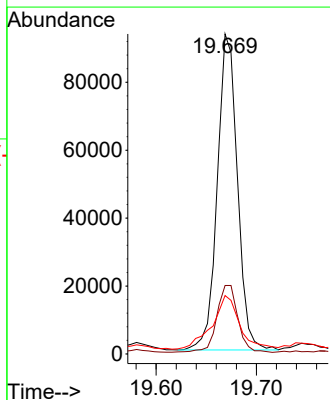
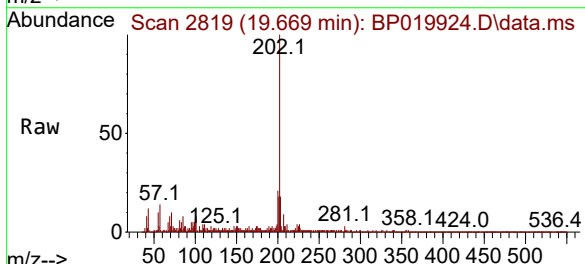
Instrument :
BNA_P
ClientSampleId :
OK-02-022724

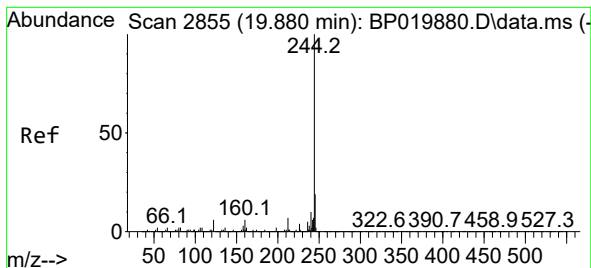
Tgt Ion:240 Resp: 372050
Ion Ratio Lower Upper
240 100
120 6.4 5.1 7.7
236 26.2 20.5 30.7



#78
Pyrene
Concen: 5.071 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BP019924.D
Acq: 28 Feb 2024 19:27

Tgt Ion:202 Resp: 129625
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 11.578 ng

RT: 19.875 min Scan# 2855

Delta R.T. -0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724

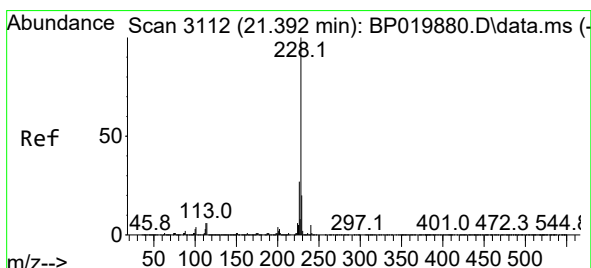
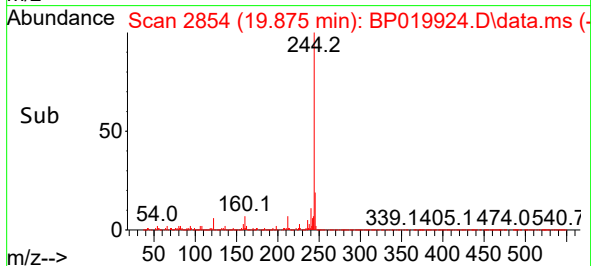
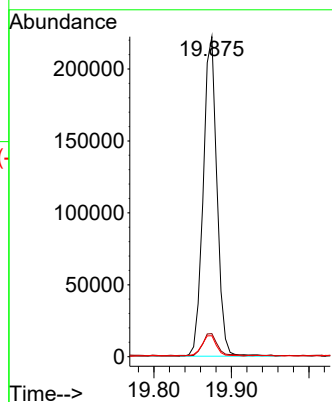
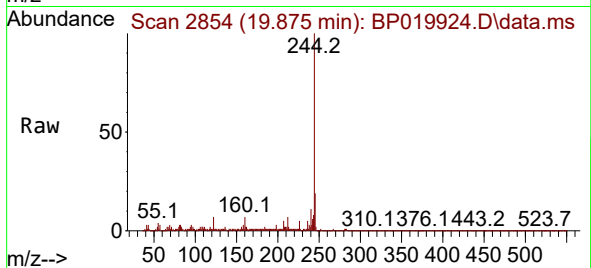
Tgt Ion:244 Resp: 273304

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 6.5 5.0 7.6



#81

Benzo(a)anthracene

Concen: 2.323 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

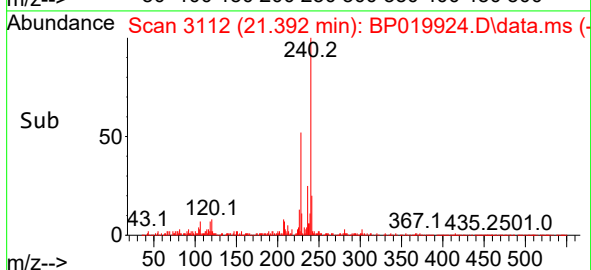
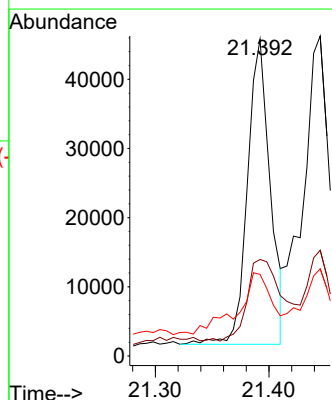
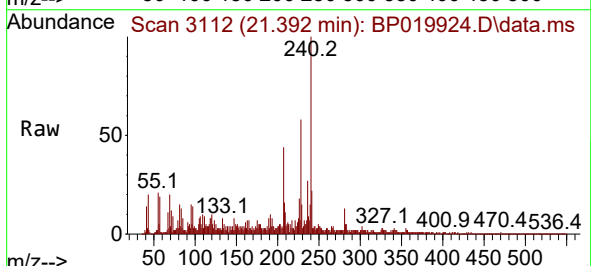
Tgt Ion:228 Resp: 61352

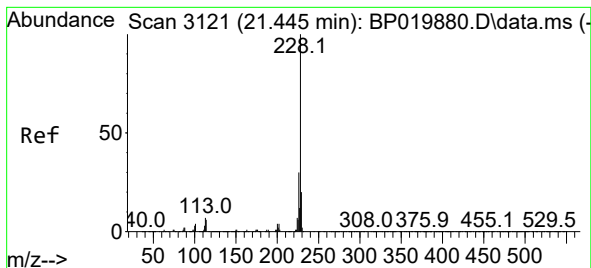
Ion Ratio Lower Upper

228 100

226 30.5 21.5 32.3

229 25.8 15.6 23.4#





#83

Chrysene

Concen: 2.845 ng

RT: 21.445 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724

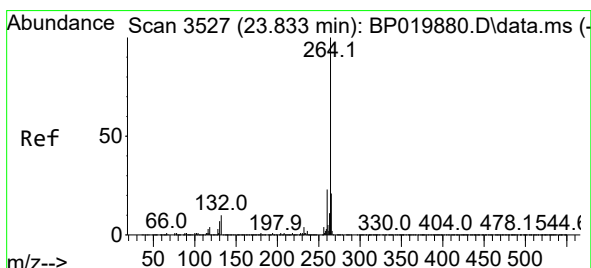
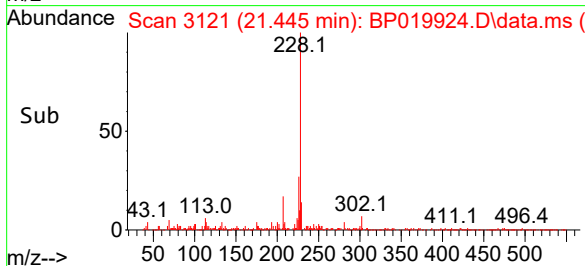
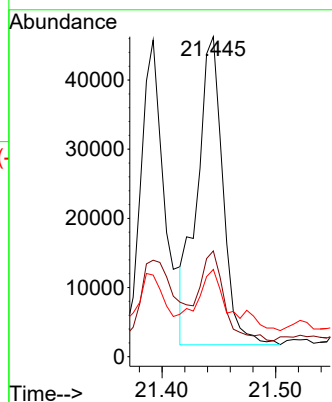
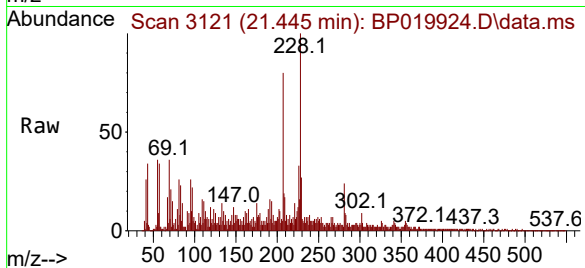
Tgt Ion:228 Resp: 70408

Ion Ratio Lower Upper

228 100

226 33.1 23.9 35.9

229 27.2 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3528

Delta R.T. 0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

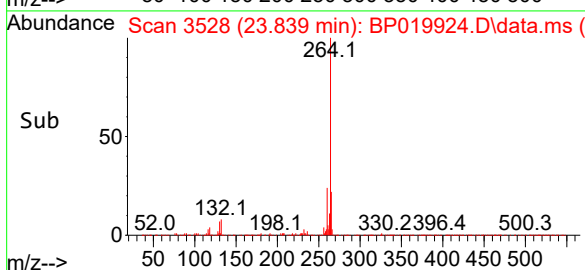
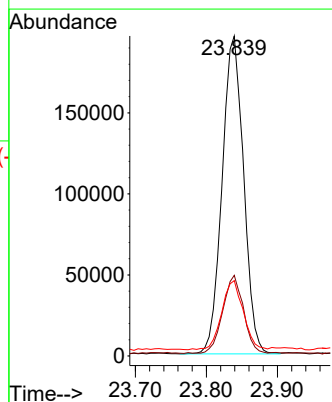
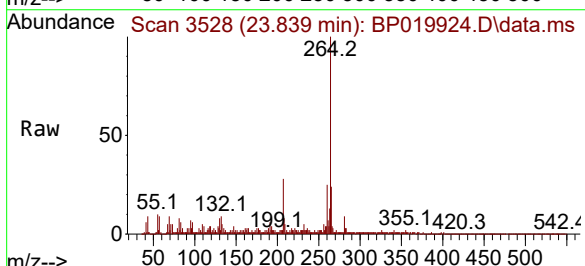
Tgt Ion:264 Resp: 411896

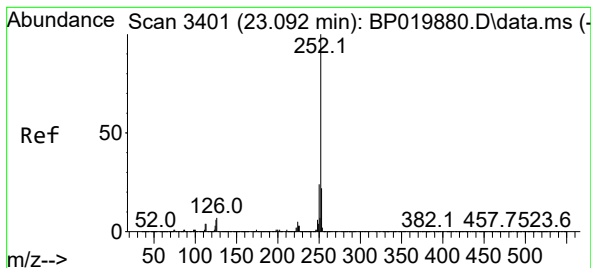
Ion Ratio Lower Upper

264 100

260 25.2 18.7 28.1

265 23.6 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.219 ng

RT: 23.098 min Scan# 3401

Delta R.T. 0.006 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724

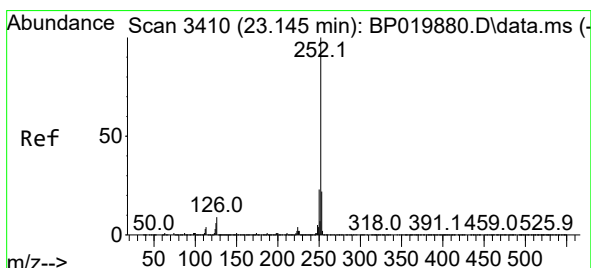
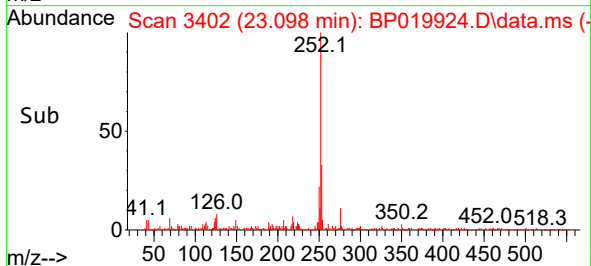
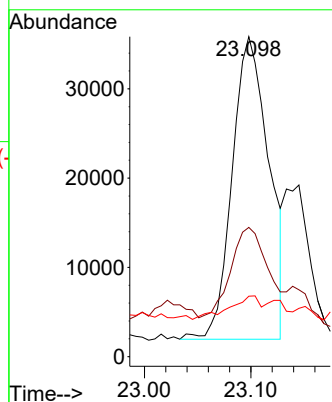
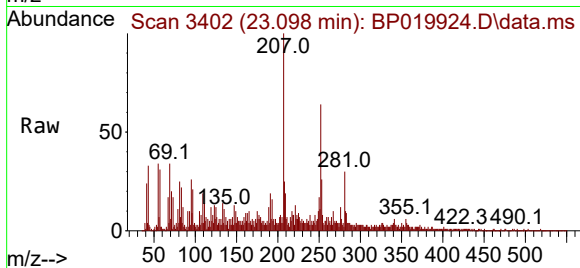
Tgt Ion:252 Resp: 81296

Ion Ratio Lower Upper

252 100

253 40.4 17.6 26.4#

125 18.9 4.6 7.0#



#89

Benzo(k)fluoranthene

Concen: 3.283 ng

RT: 23.098 min Scan# 3402

Delta R.T. -0.047 min

Lab File: BP019924.D

Acq: 28 Feb 2024 19:27

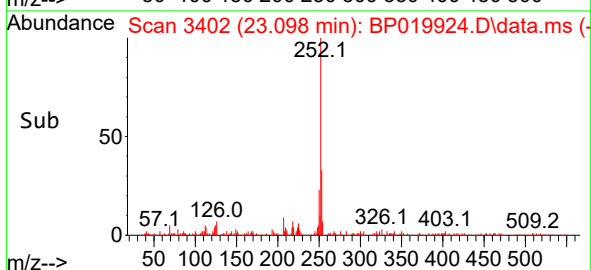
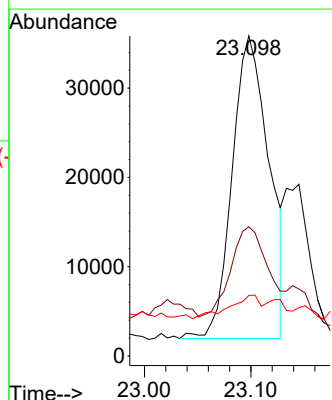
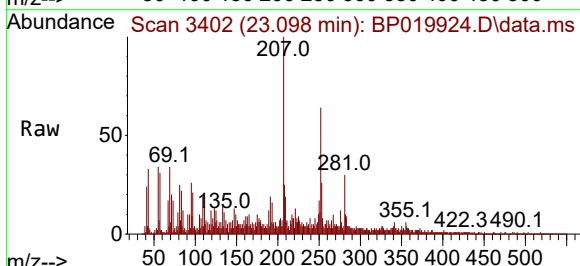
Tgt Ion:252 Resp: 81296

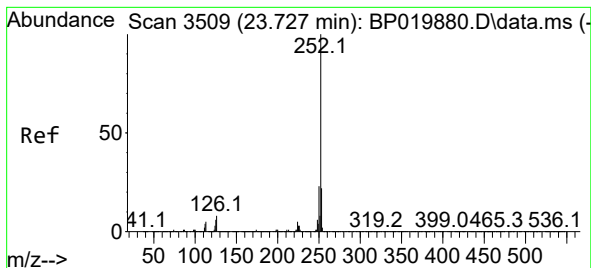
Ion Ratio Lower Upper

252 100

253 40.4 17.3 25.9#

125 18.9 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 2.283 ng

RT: 23.727 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019924.D

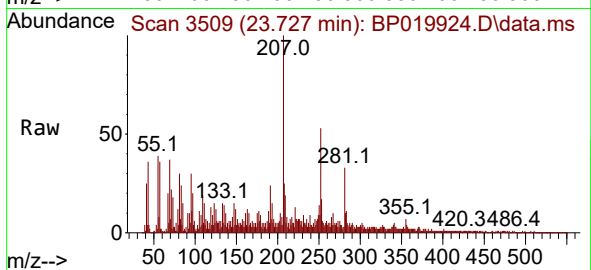
Acq: 28 Feb 2024 19:27

Instrument :

BNA_P

ClientSampleId :

OK-02-022724



Tgt Ion:252 Resp: 55094

Ion Ratio Lower Upper

252 100

253 31.3 17.5 26.3#

125 22.3 5.2 7.8#

