

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019950.D
 Acq On : 29 Feb 2024 22:28
 Operator : MA/JU
 Sample : P1639-21 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-7

Quant Time: Mar 01 03:46:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

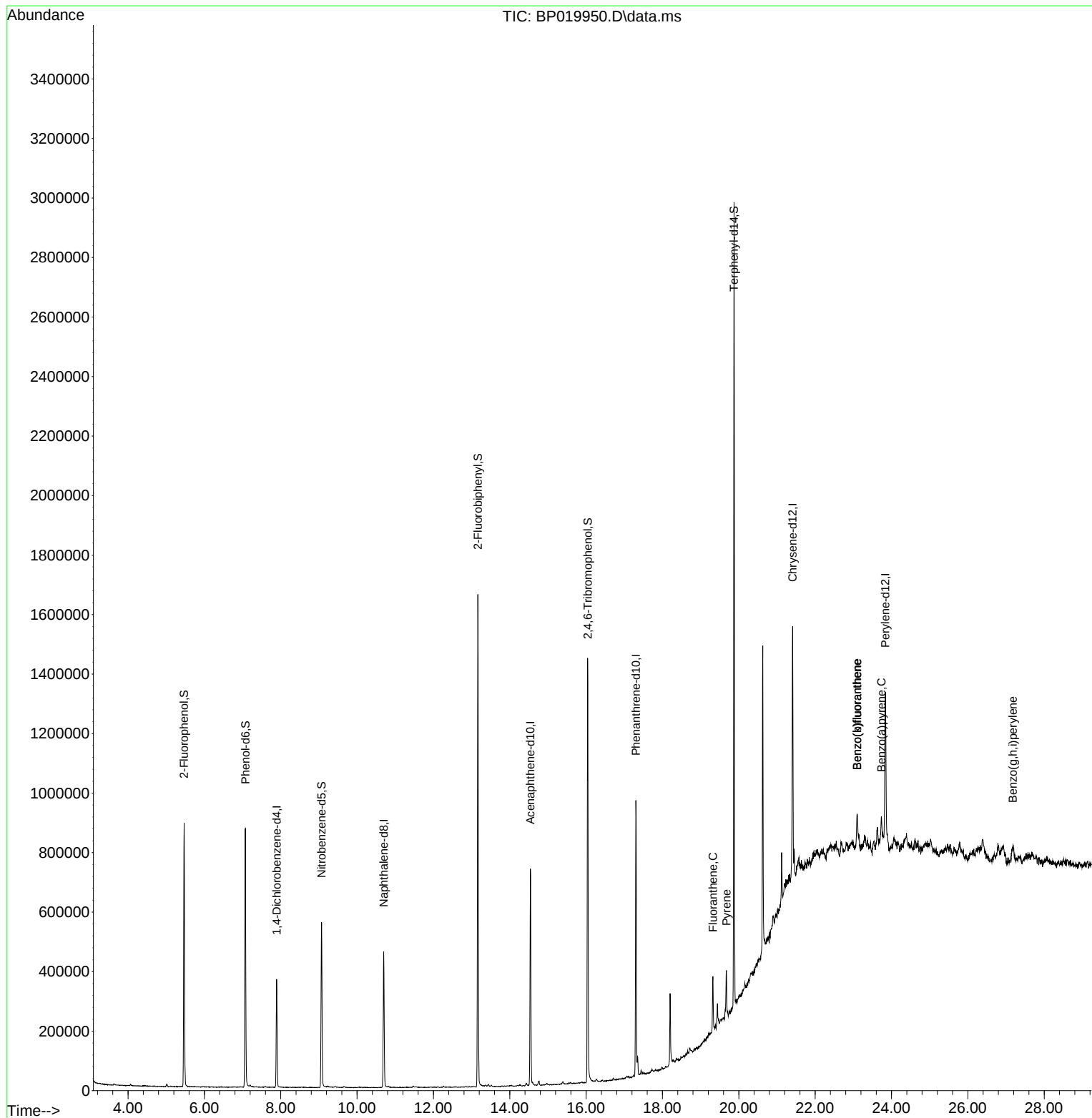
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	96500	20.000	ng	-0.02
21) Naphthalene-d8	10.698	136	378735	20.000	ng	-0.02
39) Acenaphthene-d10	14.539	164	274729	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	599725	20.000	ng	-0.02
76) Chrysene-d12	21.410	240	417247	20.000	ng	-0.02
86) Perylene-d12	23.839	264	464158	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	382480	65.056	ng	-0.01
7) Phenol-d6	7.075	99	522035	59.638	ng	-0.01
23) Nitrobenzene-d5	9.069	82	351780	37.498	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	315993	67.080	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	877820	43.171	ng	-0.02
79) Terphenyl-d14	19.874	244	1345463	50.825	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	19.322	202	106128	2.555	ng	98
78) Pyrene	19.674	202	100181	3.495	ng	97
88) Benzo(b)fluoranthene	23.098	252	109716	3.855	ng	# 87
89) Benzo(k)fluoranthene	23.098	252	109716	3.931	ng	# 86
90) Benzo(a)pyrene	23.733	252	72672	2.672	ng	# 86
92) Benzo(g,h,i)perylene	27.180	276	64995	2.451	ng	# 90

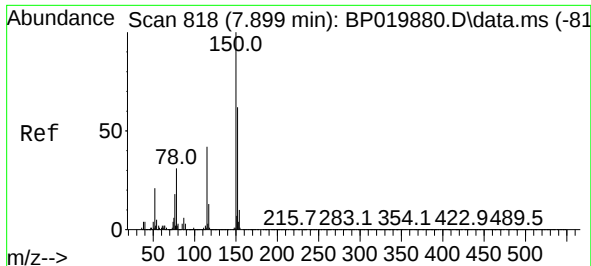
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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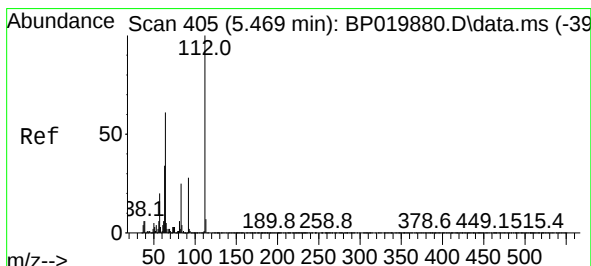
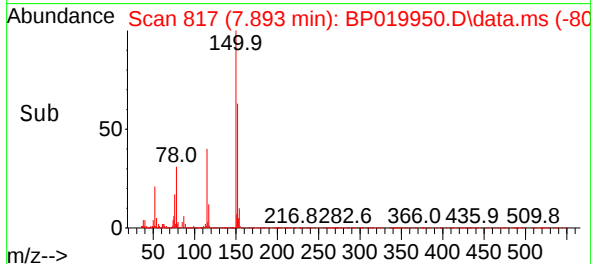
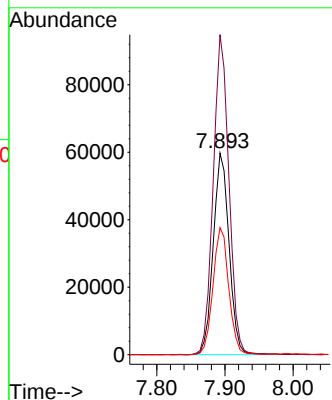
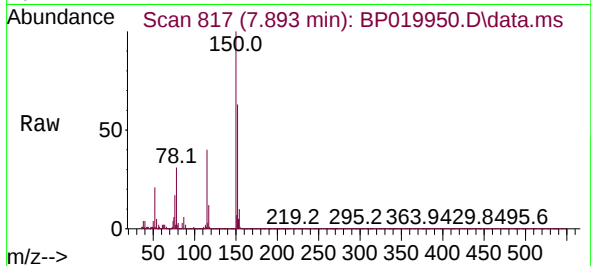




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

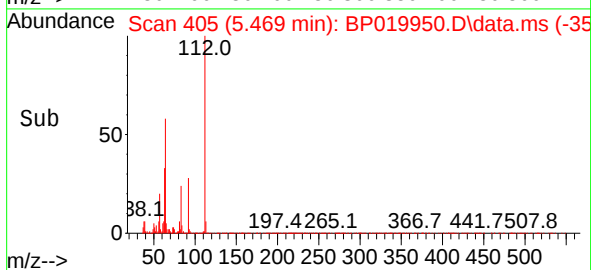
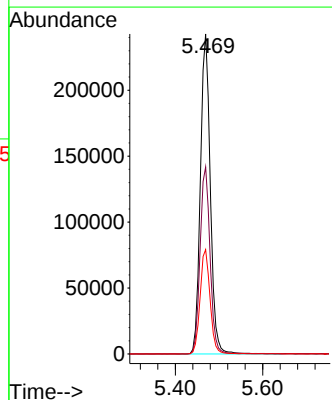
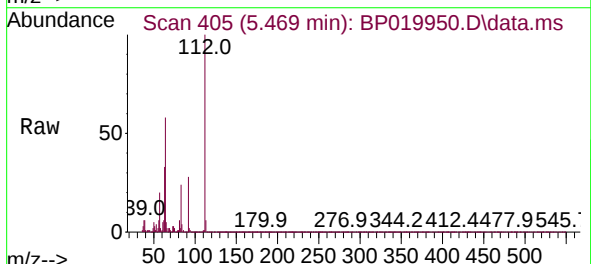
Instrument :
BNA_P
ClientSampleId :
SP-7

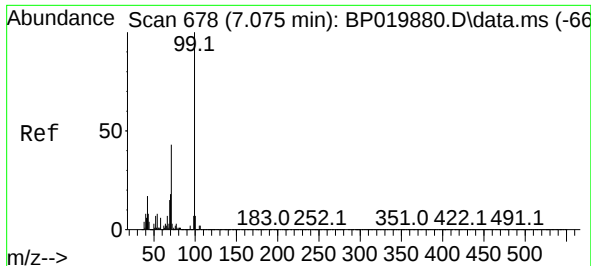
Tgt Ion:152 Resp: 96500
Ion Ratio Lower Upper
152 100
150 158.8 128.6 192.8
115 63.0 53.4 80.2



#5
2-Fluorophenol
Concen: 65.056 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

Tgt Ion:112 Resp: 382480
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.6
63 32.6 27.6 41.4

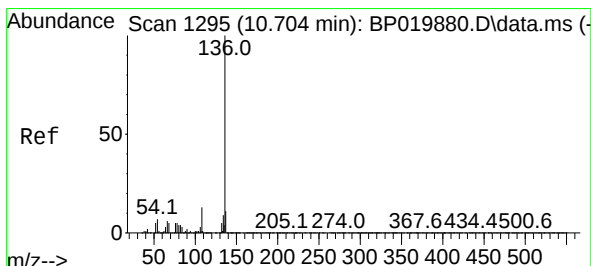
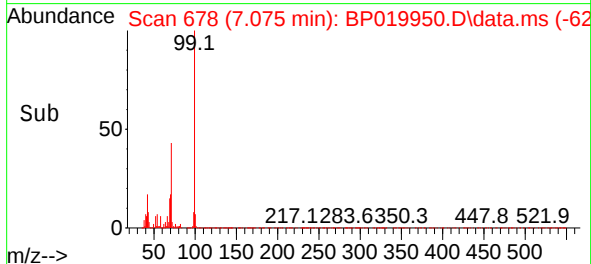
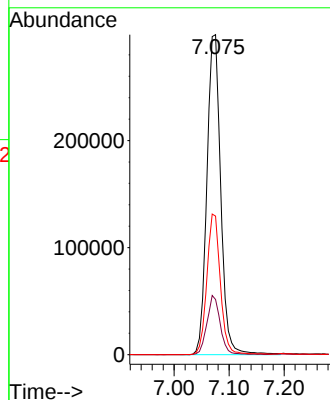
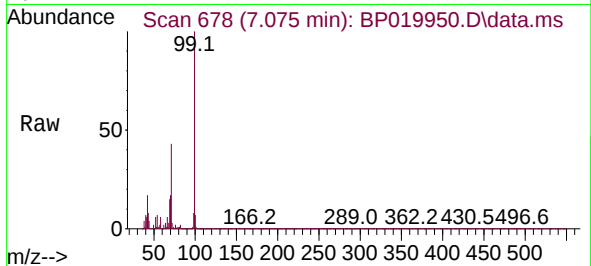




#7
Phenol-d6
Concen: 59.638 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

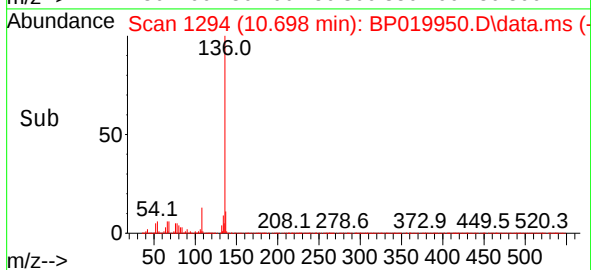
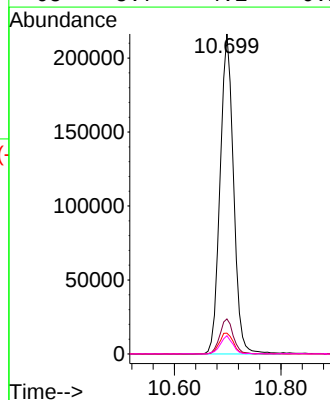
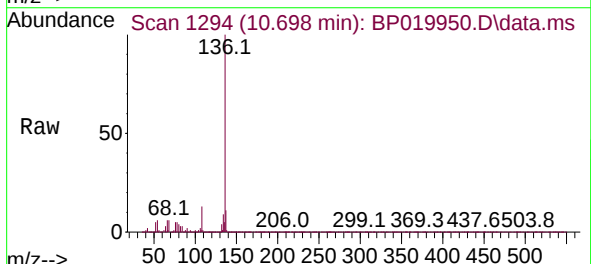
Instrument :
BNA_P
ClientSampleId :
SP-7

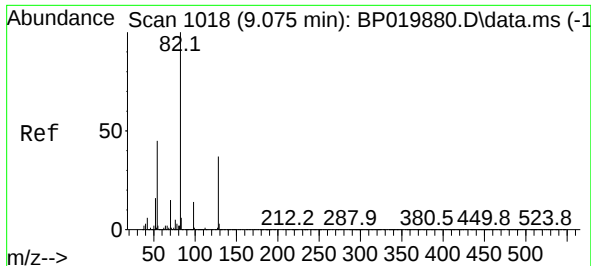
Tgt Ion: 99 Resp: 522035
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.8
71 43.3 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

Tgt Ion:136 Resp: 378735
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.5 6.0 9.0
68 5.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 37.498 ng

RT: 9.069 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

Instrument :

BNA_P

ClientSampleId :

SP-7

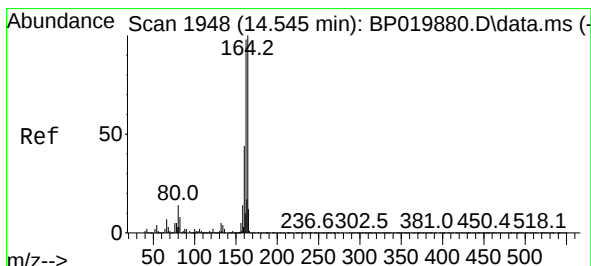
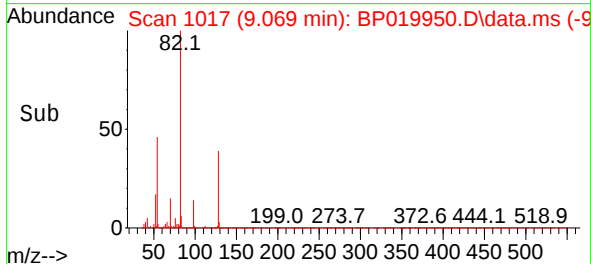
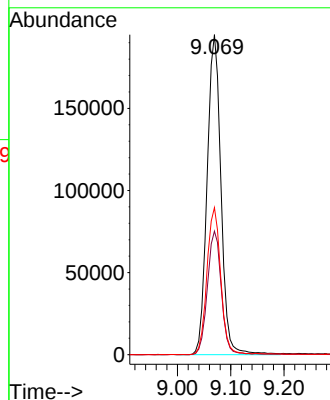
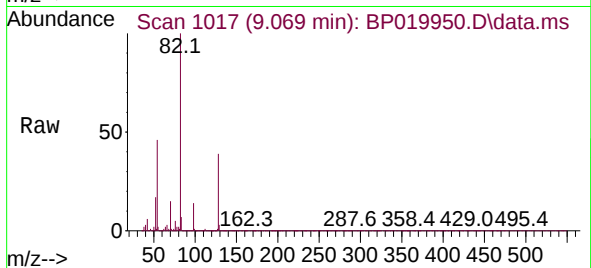
Tgt Ion: 82 Resp: 351780

Ion Ratio Lower Upper

82 100

128 38.6 29.6 44.4

54 45.9 36.3 54.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.539 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

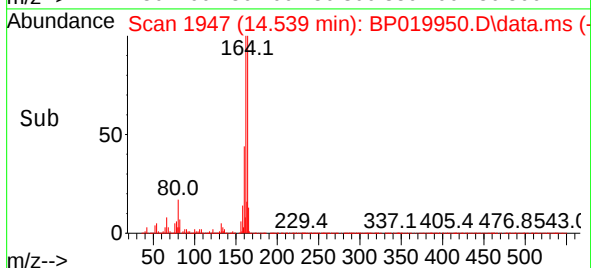
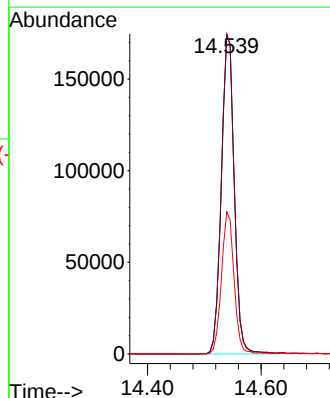
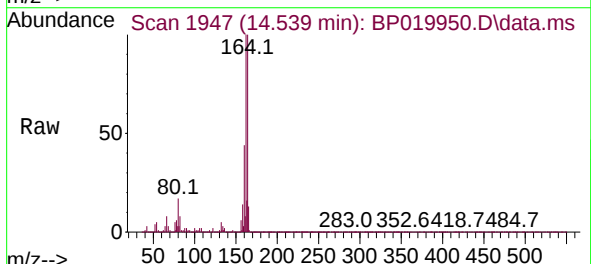
Tgt Ion:164 Resp: 274729

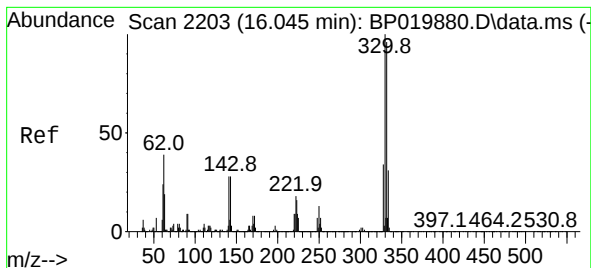
Ion Ratio Lower Upper

164 100

162 100.4 78.1 117.1

160 44.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 67.080 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

Instrument :

BNA_P

ClientSampleId :

SP-7

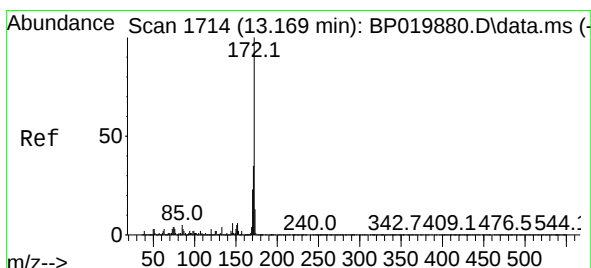
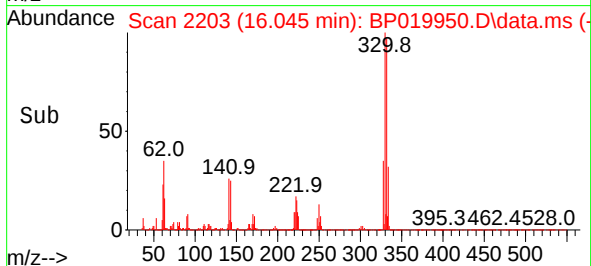
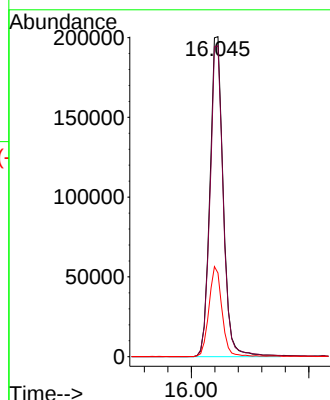
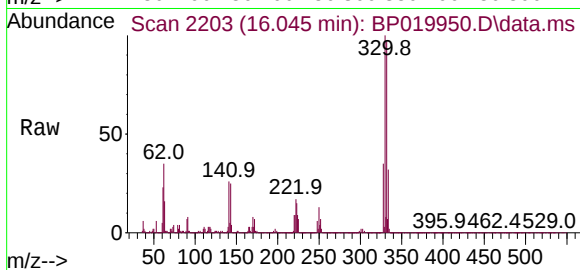
Tgt Ion:330 Resp: 315993

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

141 27.7 24.6 37.0



#45

2-Fluorobiphenyl

Concen: 43.171 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.018 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

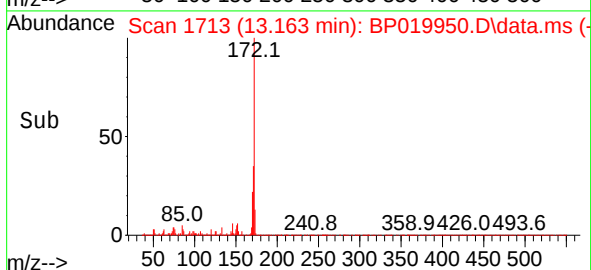
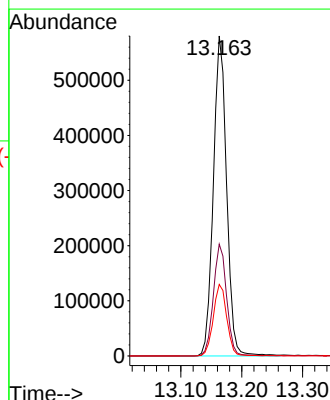
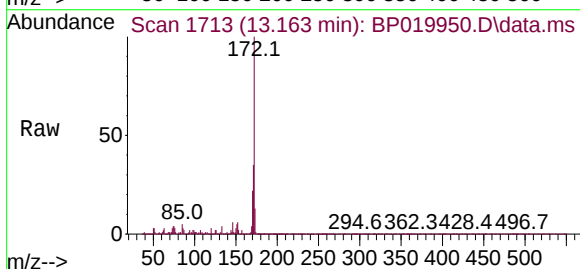
Tgt Ion:172 Resp: 877820

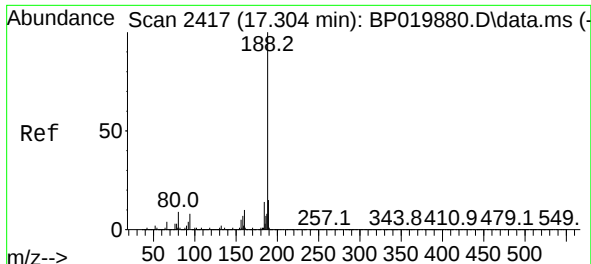
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

170 22.4 18.4 27.6

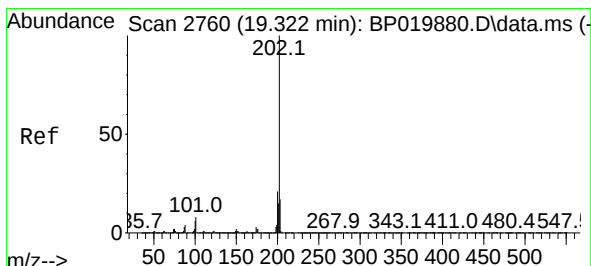
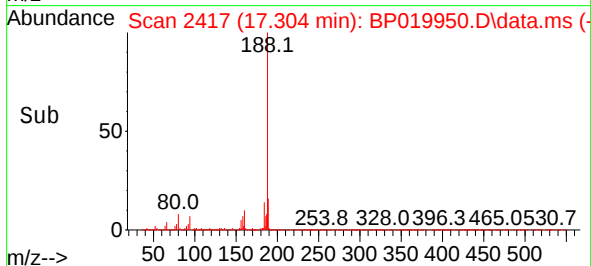
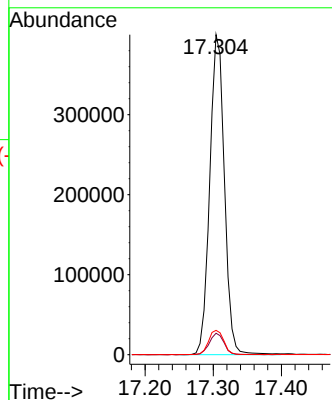
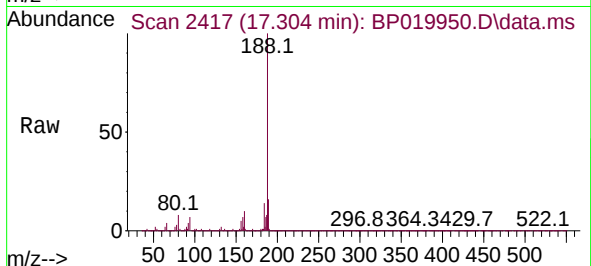




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.018 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

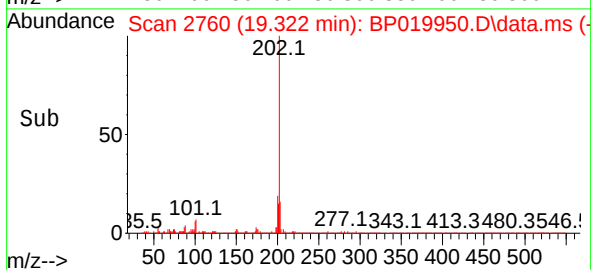
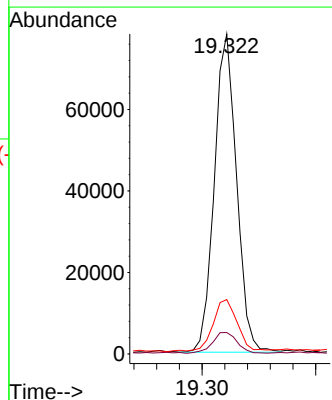
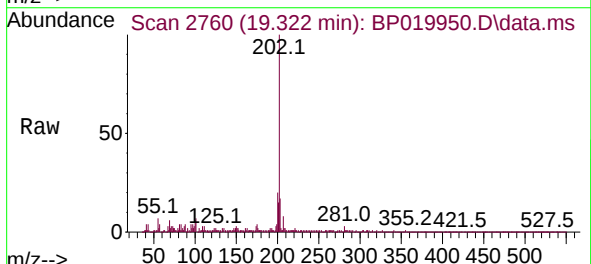
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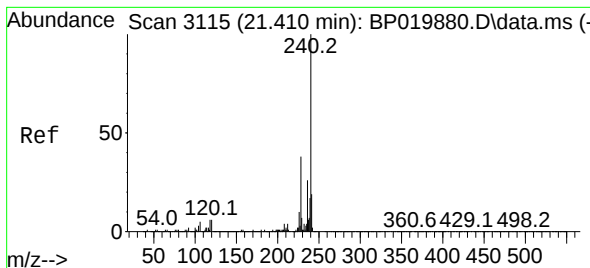
Tgt Ion:188 Resp: 599725
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.4
80 7.6 7.0 10.4



#75
Fluoranthene
Concen: 2.555 ng
RT: 19.322 min Scan# 2760
Delta R.T. -0.018 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

Tgt Ion:202 Resp: 106128
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.7
203 17.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

Instrument :

BNA_P

ClientSampleId :

SP-7

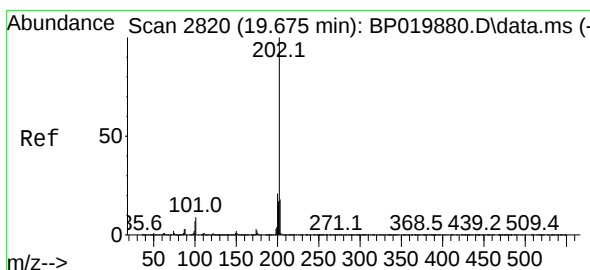
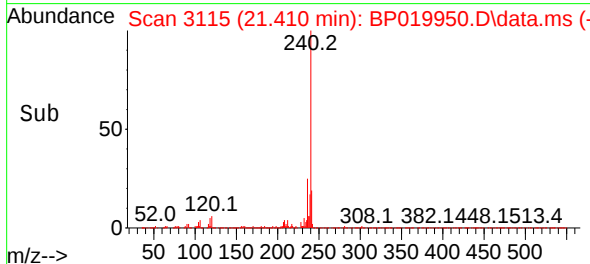
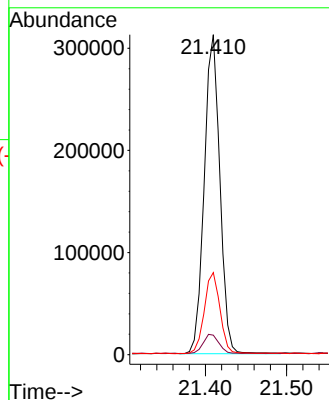
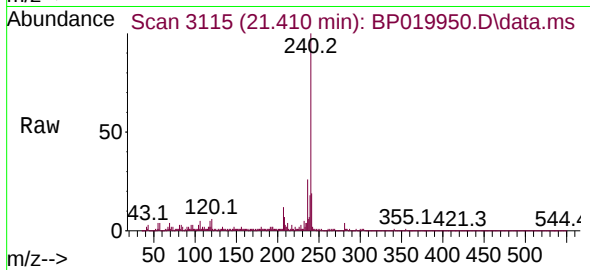
Tgt Ion:240 Resp: 417247

Ion Ratio Lower Upper

240 100

120 6.1 5.1 7.7

236 25.7 20.5 30.7



#78

Pyrene

Concen: 3.495 ng

RT: 19.674 min Scan# 2820

Delta R.T. -0.018 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

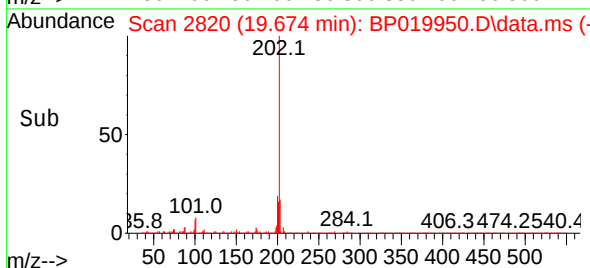
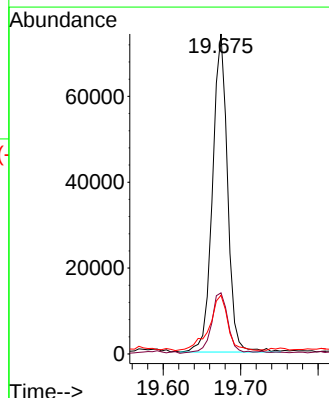
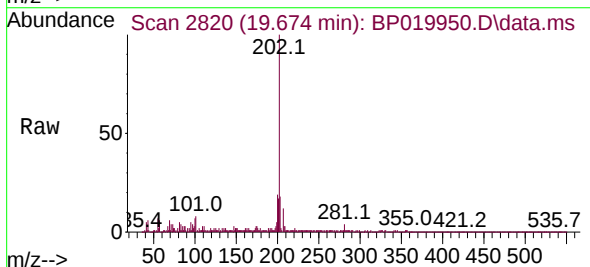
Tgt Ion:202 Resp: 100181

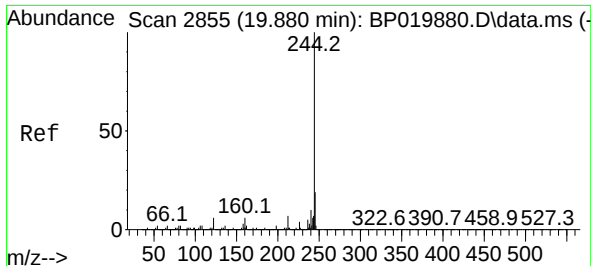
Ion Ratio Lower Upper

202 100

200 19.1 16.7 25.1

203 18.4 14.2 21.2

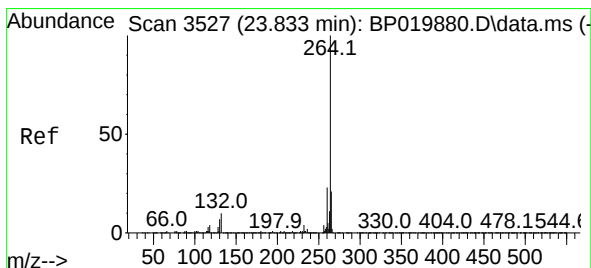
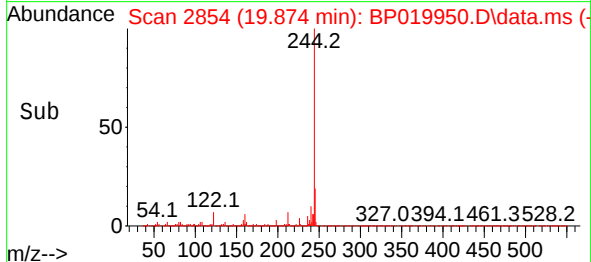
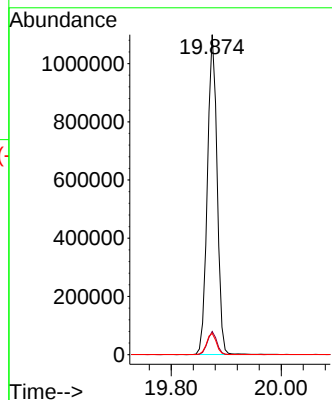
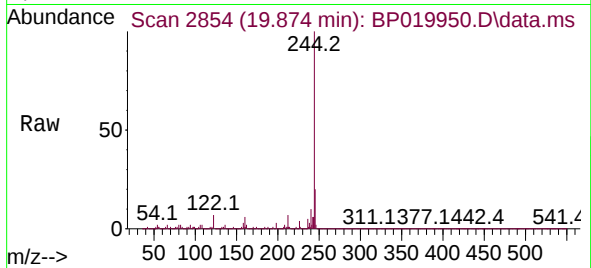




#79
Terphenyl-d14
Concen: 50.825 ng
RT: 19.874 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

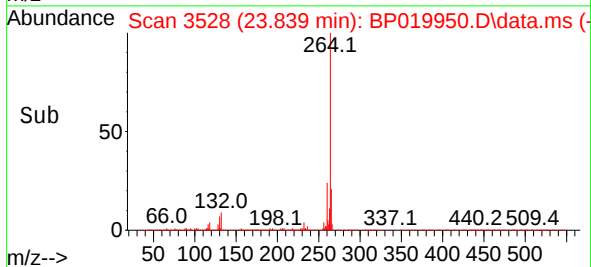
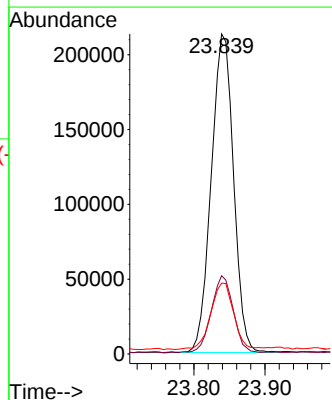
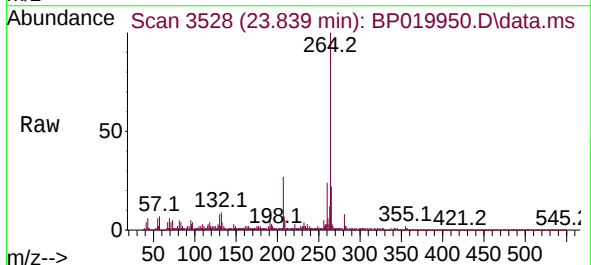
Instrument :
BNA_P
ClientSampleId :
SP-7

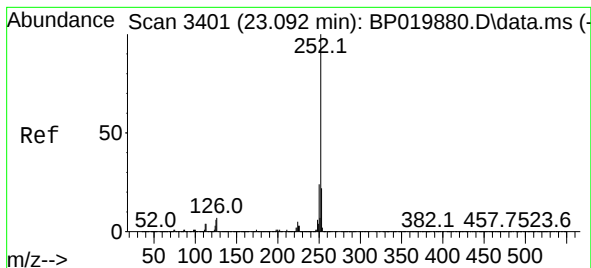
Tgt Ion:244 Resp: 1345463
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 6.7 5.0 7.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 3528
Delta R.T. -0.029 min
Lab File: BP019950.D
Acq: 29 Feb 2024 22:28

Tgt Ion:264 Resp: 464158
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.2 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.855 ng

RT: 23.098 min Scan# 3401

Delta R.T. -0.024 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

Instrument :

BNA_P

ClientSampleId :

SP-7

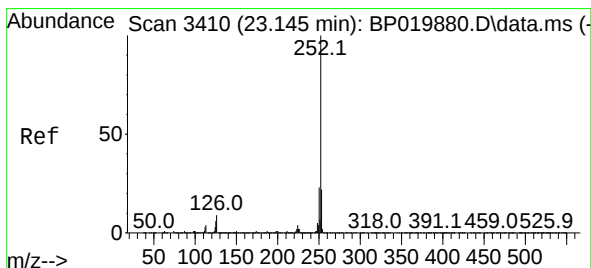
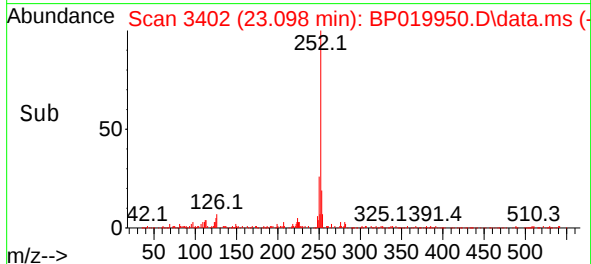
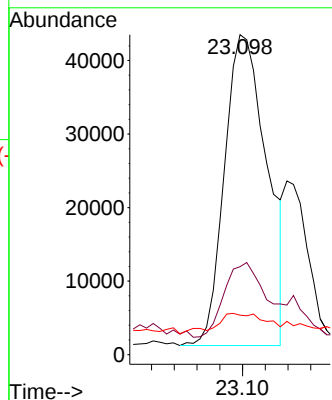
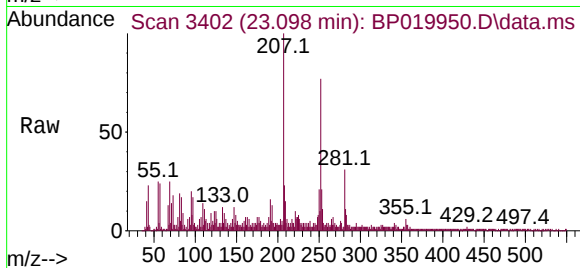
Tgt Ion:252 Resp: 109716

Ion Ratio Lower Upper

252 100

253 27.5 17.6 26.4#

125 12.4 4.6 7.0#



#89

Benzo(k)fluoranthene

Concen: 3.931 ng

RT: 23.098 min Scan# 3402

Delta R.T. -0.076 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

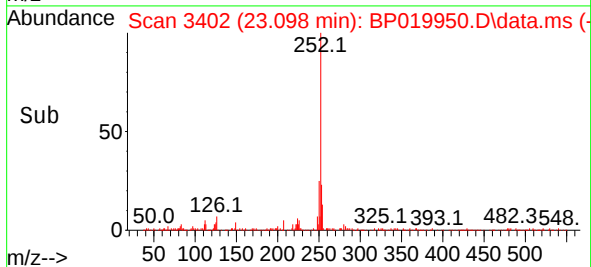
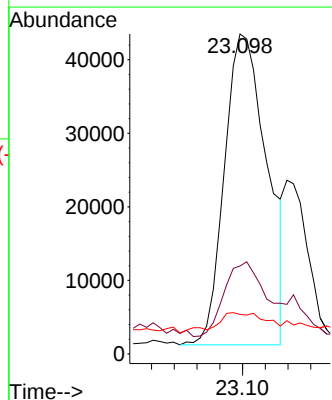
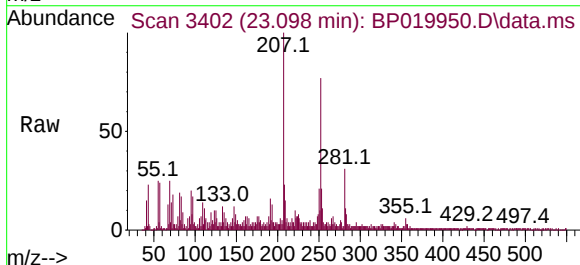
Tgt Ion:252 Resp: 109716

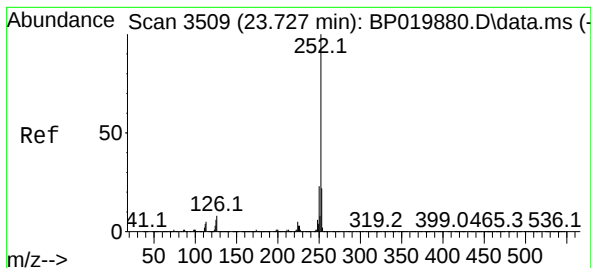
Ion Ratio Lower Upper

252 100

253 27.5 17.3 25.9#

125 12.4 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 2.672 ng

RT: 23.733 min Scan# 3509

Delta R.T. -0.029 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

Instrument :

BNA_P

ClientSampleId :

SP-7

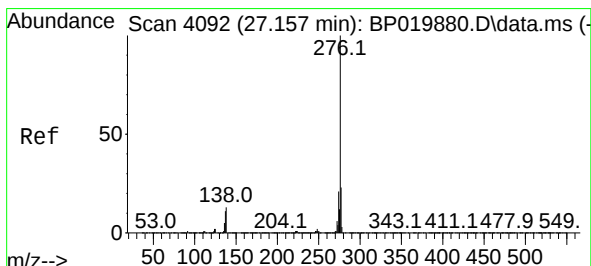
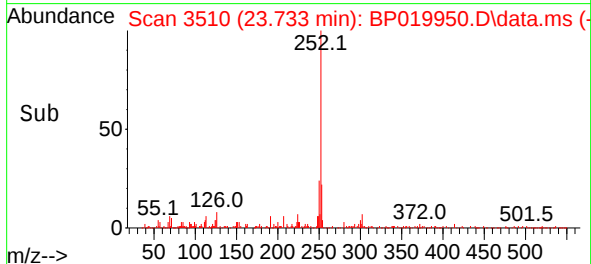
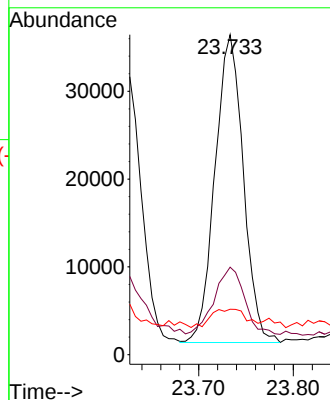
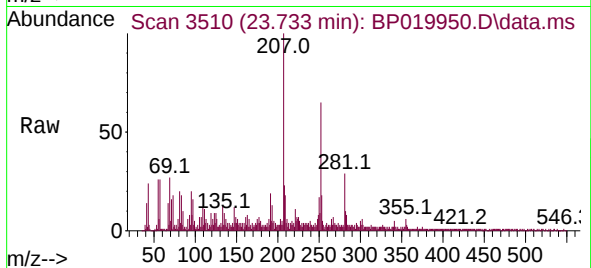
Tgt Ion:252 Resp: 72672

Ion Ratio Lower Upper

252 100

253 27.4 17.5 26.3#

125 14.2 5.2 7.8#



#92

Benzo(g,h,i)perylene

Concen: 2.451 ng

RT: 27.180 min Scan# 4096

Delta R.T. -0.047 min

Lab File: BP019950.D

Acq: 29 Feb 2024 22:28

Tgt Ion:276 Resp: 64995

Ion Ratio Lower Upper

276 100

277 28.6 18.5 27.7#

138 15.5 10.2 15.2#

