

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019944.D
 Acq On : 29 Feb 2024 19:06
 Operator : MA/JU
 Sample : P1620-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-1

Quant Time: Mar 01 03:43:29 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)

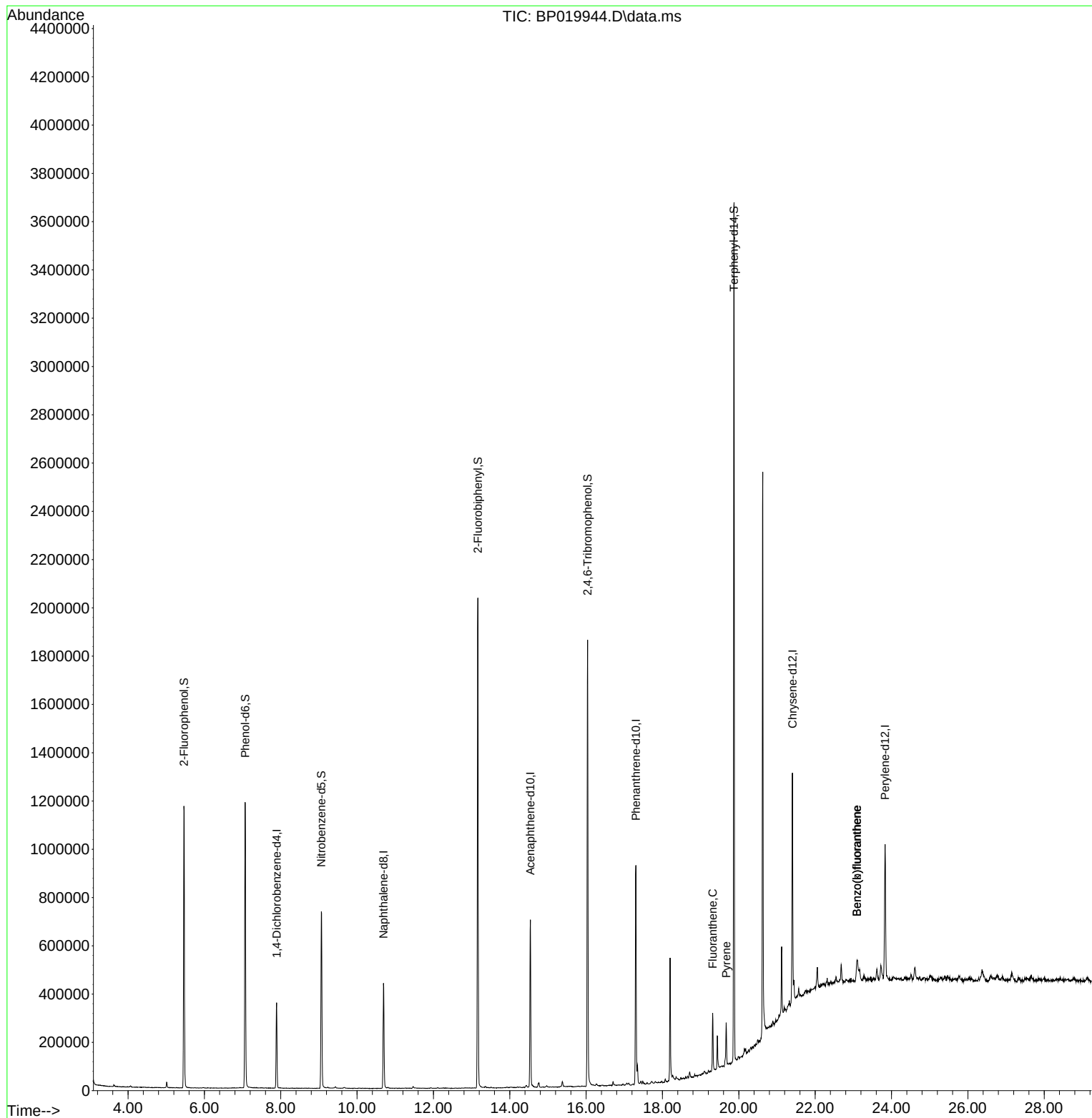
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	95374	20.000	ng	-0.02
21) Naphthalene-d8	10.693	136	371655	20.000	ng	-0.02
39) Acenaphthene-d10	14.539	164	261824	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	589222	20.000	ng	-0.02
76) Chrysene-d12	21.404	240	458055	20.000	ng	-0.02
86) Perylene-d12	23.833	264	484542	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	503105	86.584	ng	-0.01
7) Phenol-d6	7.069	99	678992	78.485	ng	-0.02
23) Nitrobenzene-d5	9.063	82	469734	51.025	ng	-0.02
42) 2,4,6-Tribromophenol	16.039	330	403449	89.867	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	1085094	55.995	ng	-0.02
79) Terphenyl-d14	19.874	244	1845170	63.491	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	19.316	202	130713	3.202	ng	99
78) Pyrene	19.669	202	110765	3.520	ng	99
88) Benzo(b)fluoranthene	23.092	252	74632	2.512	ng	# 90
89) Benzo(k)fluoranthene	23.092	252	74632	2.562	ng	# 89

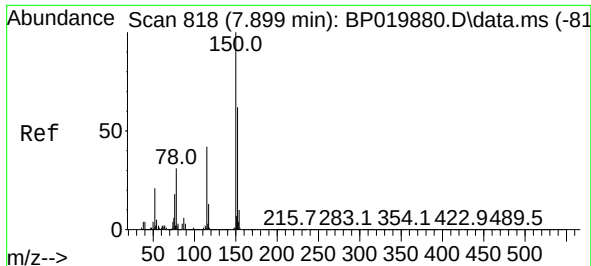
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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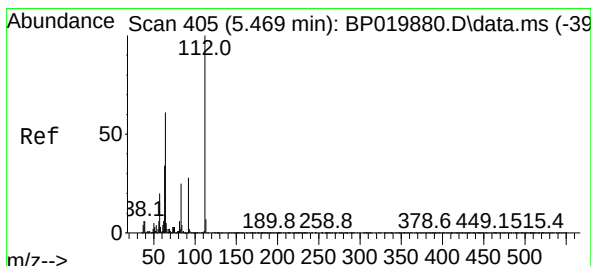
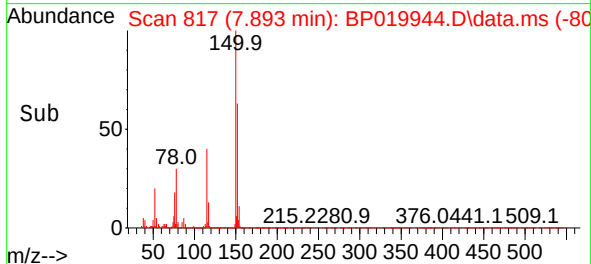
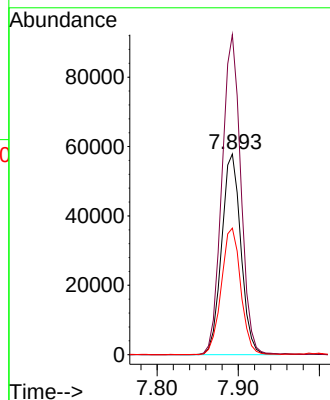
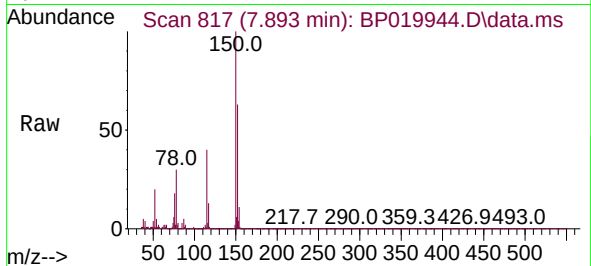




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019944.D
Acq: 29 Feb 2024 19:06

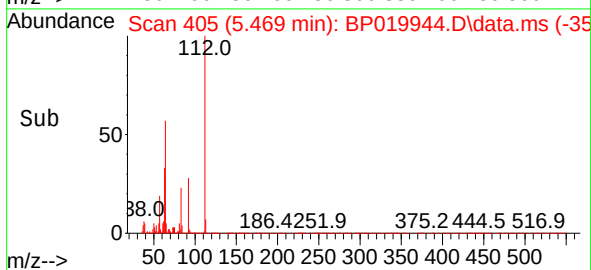
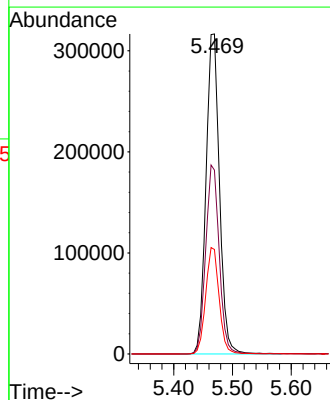
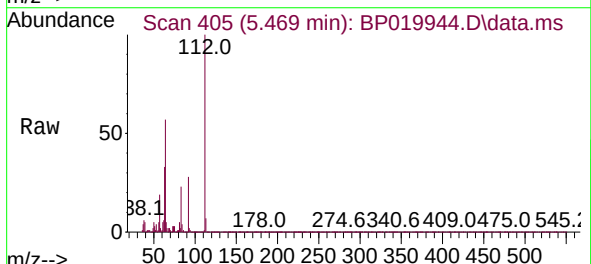
Instrument :
BNA_P
ClientSampleId :
SP-1

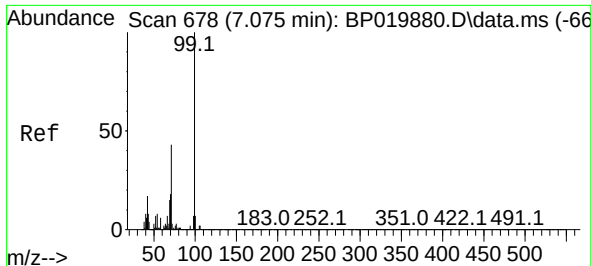
Tgt Ion:152 Resp: 95374
Ion Ratio Lower Upper
152 100
150 159.5 128.6 192.8
115 63.1 53.4 80.2



#5
2-Fluorophenol
Concen: 86.584 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019944.D
Acq: 29 Feb 2024 19:06

Tgt Ion:112 Resp: 503105
Ion Ratio Lower Upper
112 100
64 57.4 49.0 73.6
63 32.6 27.6 41.4





#7

Phenol-d6

Concen: 78.485 ng

RT: 7.069 min Scan# 61

Delta R.T. -0.018 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Instrument :

BNA_P

ClientSampleId :

SP-1

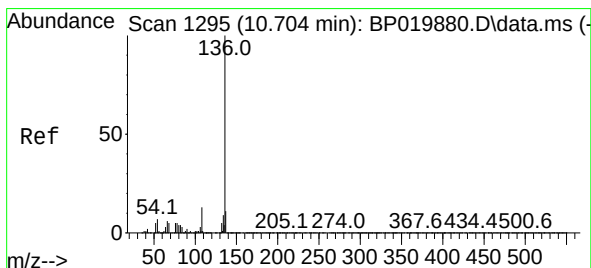
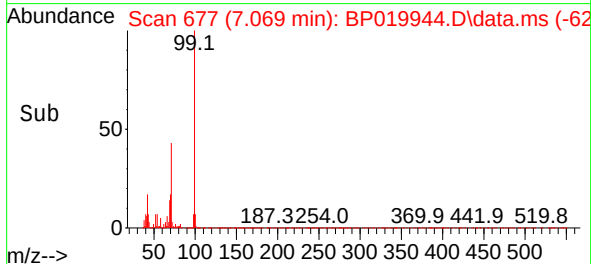
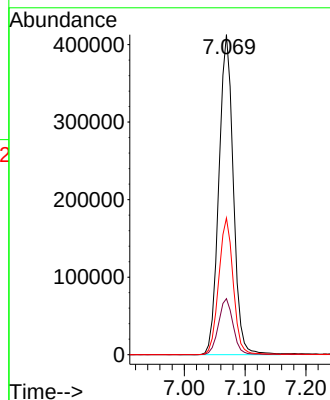
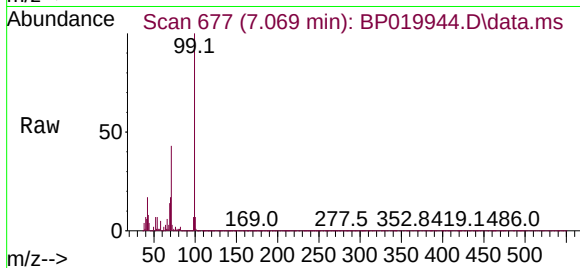
Tgt Ion: 99 Resp: 678992

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.8

71 42.7 34.5 51.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.693 min Scan# 1293

Delta R.T. -0.024 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Tgt Ion:136 Resp: 371655

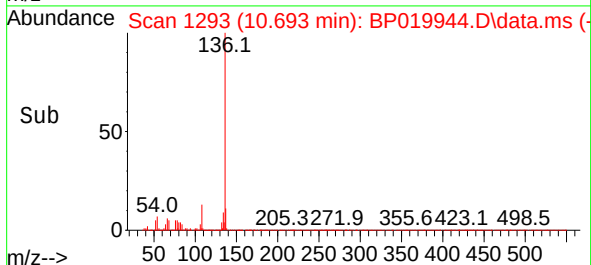
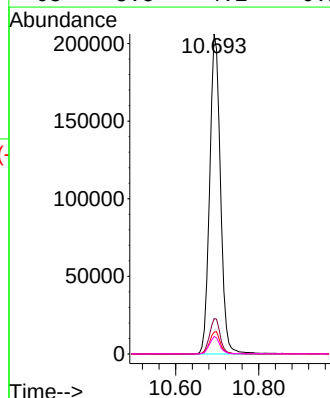
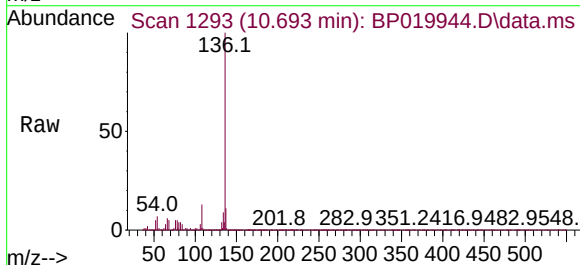
Ion Ratio Lower Upper

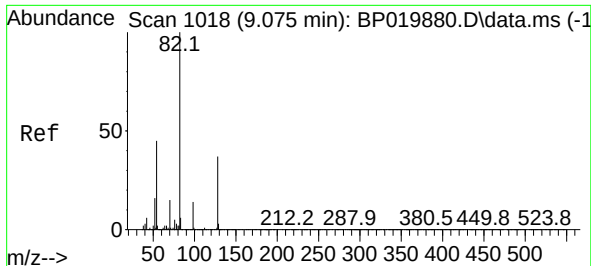
136 100

137 11.1 8.7 13.1

54 6.8 6.0 9.0

68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 51.025 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.024 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Instrument :

BNA_P

ClientSampleId :

SP-1

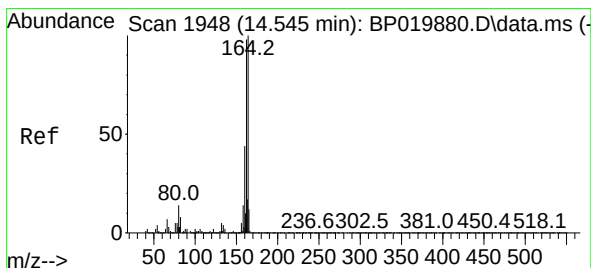
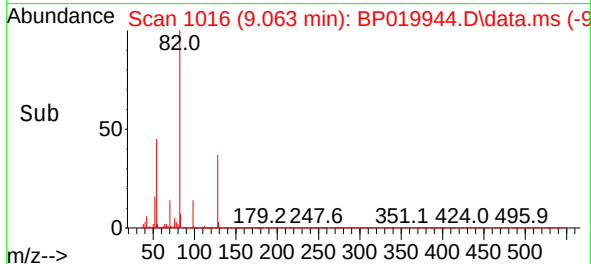
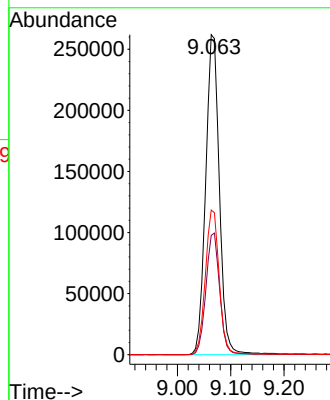
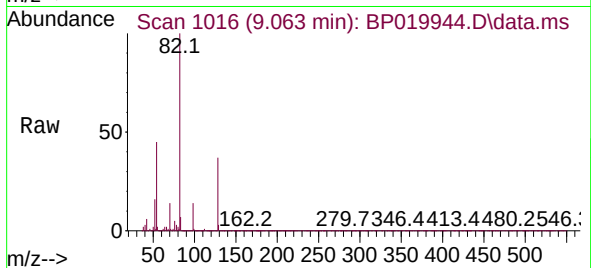
Tgt Ion: 82 Resp: 469734

Ion Ratio Lower Upper

82 100

128 37.3 29.6 44.4

54 45.2 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: BP019944.D

Acq: 29 Feb 2024 19:06

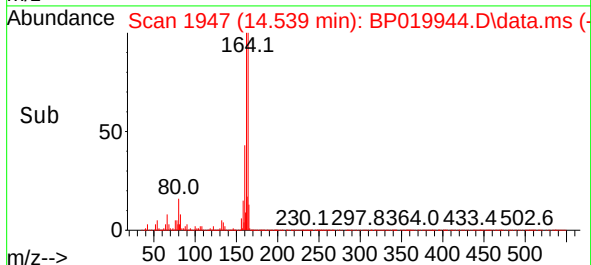
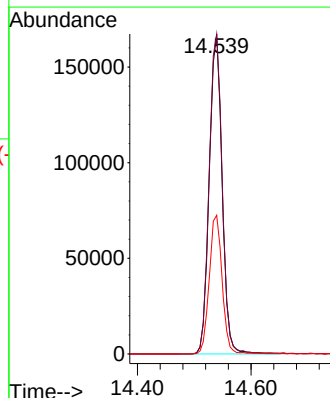
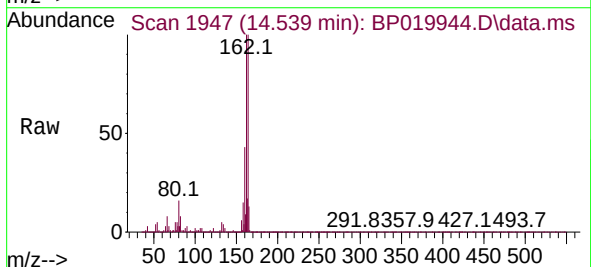
Tgt Ion: 164 Resp: 261824

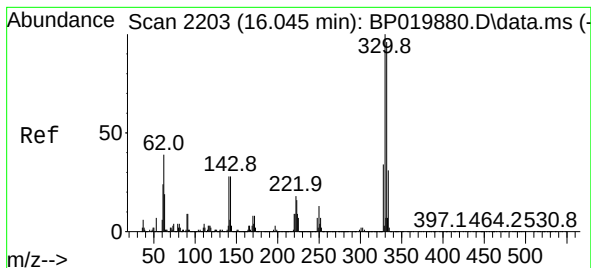
Ion Ratio Lower Upper

164 100

162 100.0 78.1 117.1

160 43.3 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 89.867 ng

RT: 16.039 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Instrument :

BNA_P

ClientSampleId :

SP-1

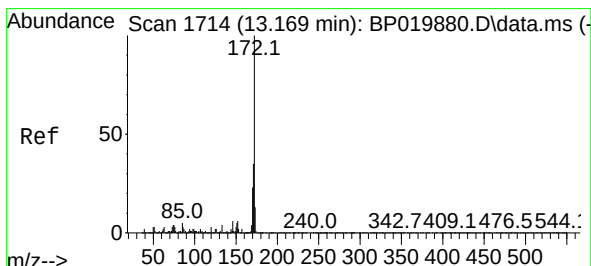
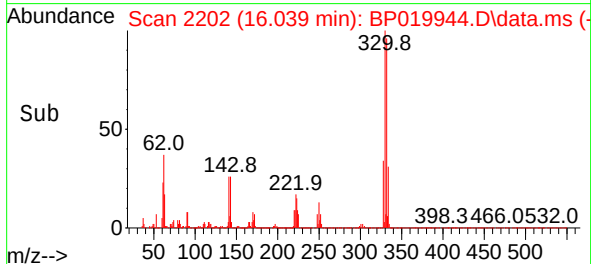
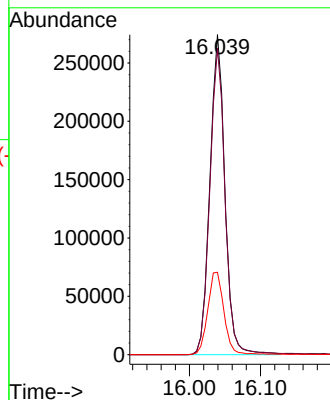
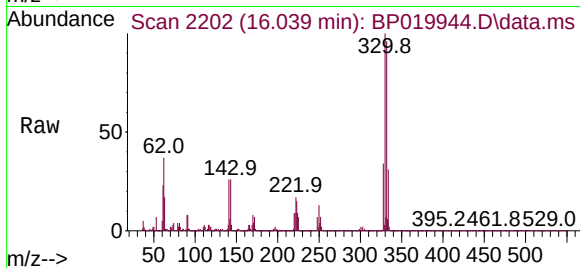
Tgt Ion:330 Resp: 403449

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

141 28.0 24.6 37.0



#45

2-Fluorobiphenyl

Concen: 55.995 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.018 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

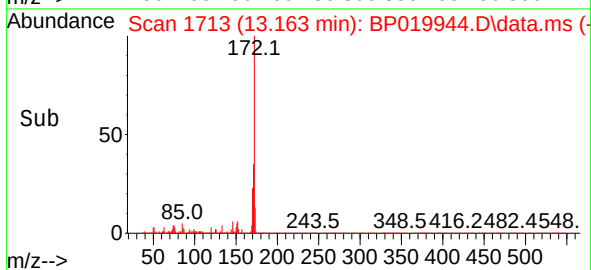
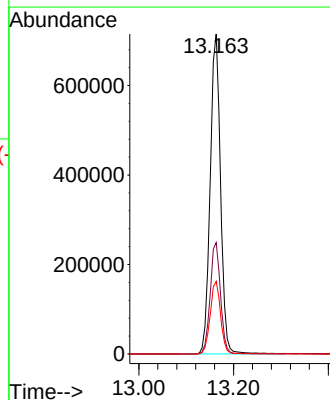
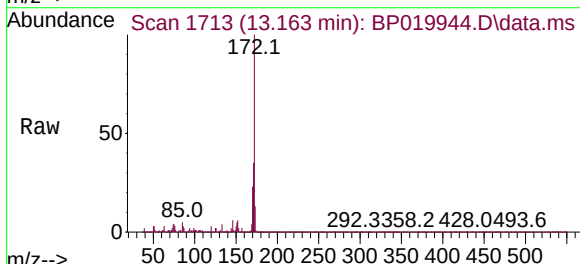
Tgt Ion:172 Resp: 1085094

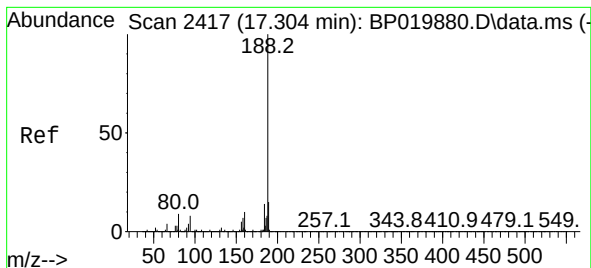
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 22.7 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: BP019944.D

Acq: 29 Feb 2024 19:06

Instrument :

BNA_P

ClientSampleId :

SP-1

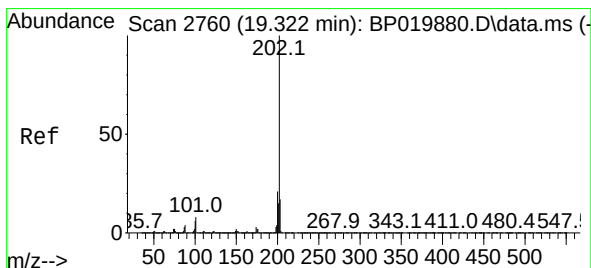
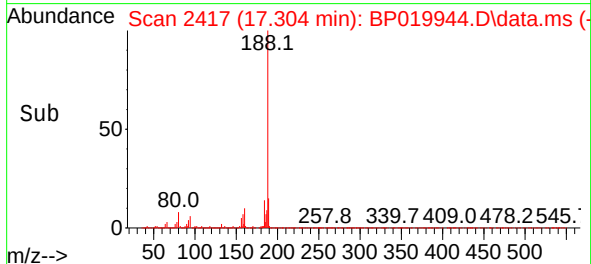
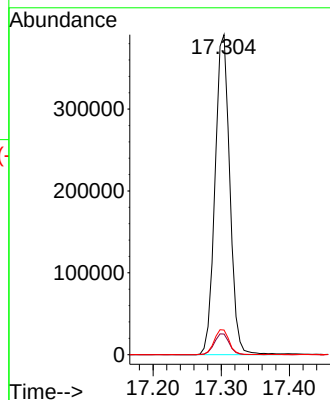
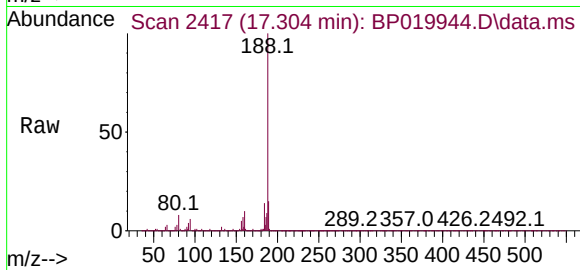
Tgt Ion:188 Resp: 589222

Ion Ratio Lower Upper

188 100

94 6.5 6.2 9.4

80 7.7 7.0 10.4



#75

Fluoranthene

Concen: 3.202 ng

RT: 19.316 min Scan# 2759

Delta R.T. -0.024 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

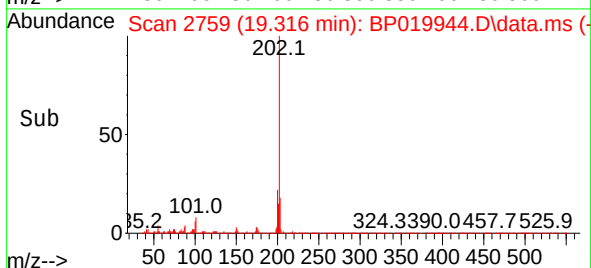
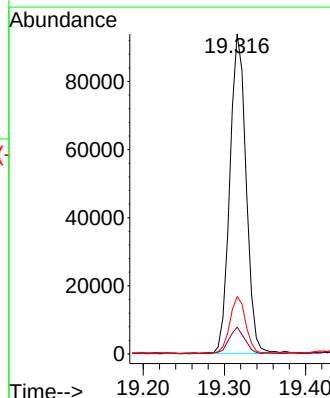
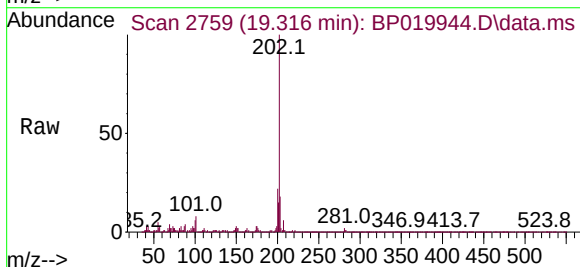
Tgt Ion:202 Resp: 130713

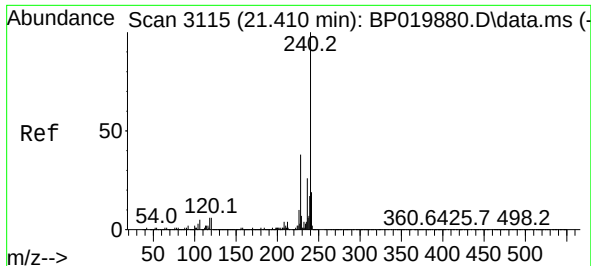
Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.7

203 17.9 0.0 37.5

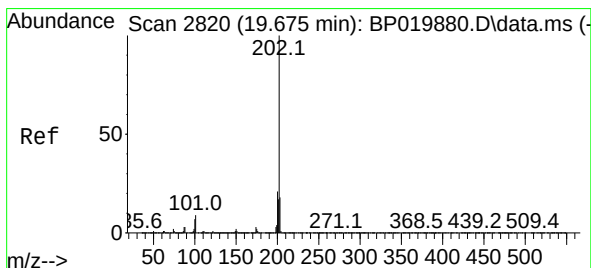
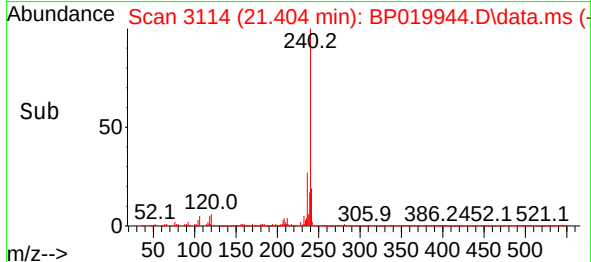
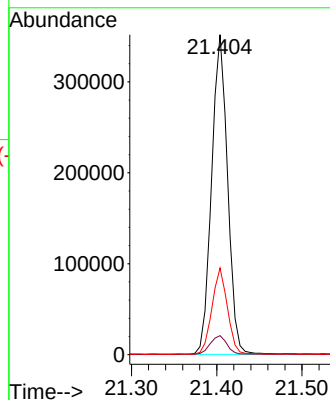
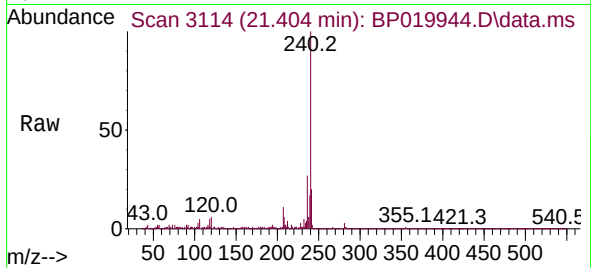




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.024 min
Lab File: BP019944.D
Acq: 29 Feb 2024 19:06

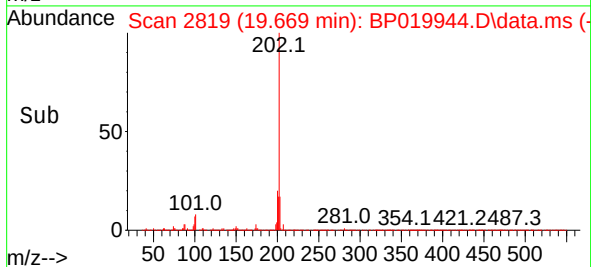
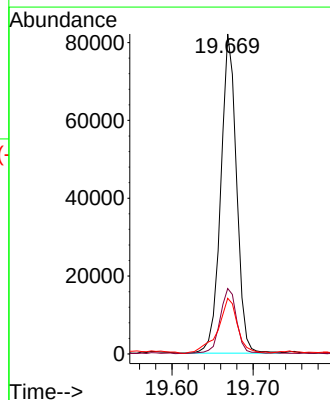
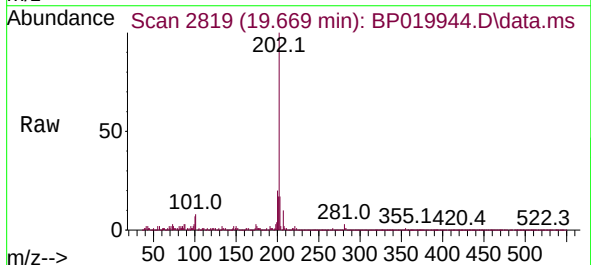
Instrument :
BNA_P
ClientSampleId :
SP-1

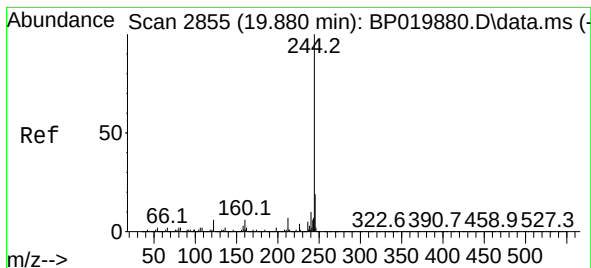
Tgt Ion:240 Resp: 458055
Ion Ratio Lower Upper
240 100
120 5.9 5.1 7.7
236 27.1 20.5 30.7



#78
Pyrene
Concen: 3.520 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.024 min
Lab File: BP019944.D
Acq: 29 Feb 2024 19:06

Tgt Ion:202 Resp: 110765
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 63.491 ng

RT: 19.874 min Scan# 2854

Delta R.T. -0.018 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Instrument :

BNA_P

ClientSampleId :

SP-1

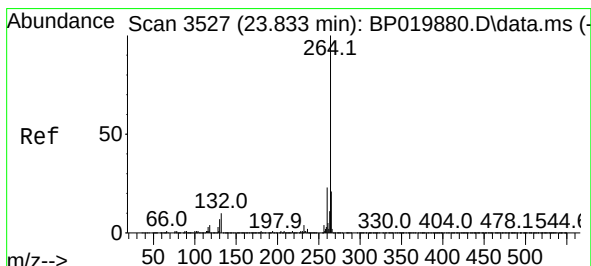
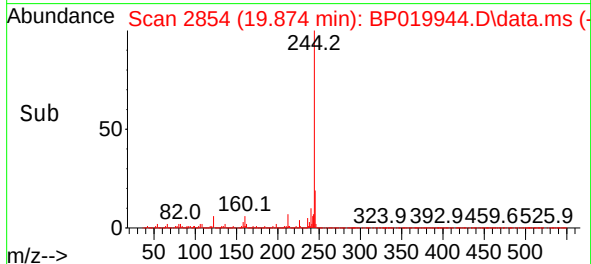
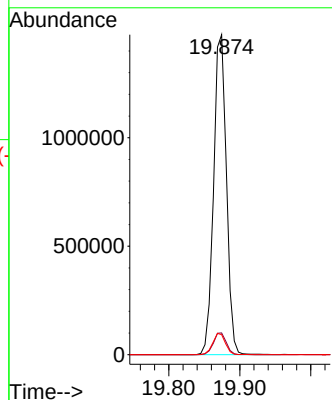
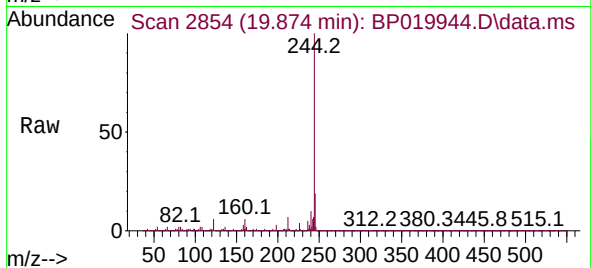
Tgt Ion:244 Resp: 1845170

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 6.2 5.0 7.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.833 min Scan# 3527

Delta R.T. -0.035 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

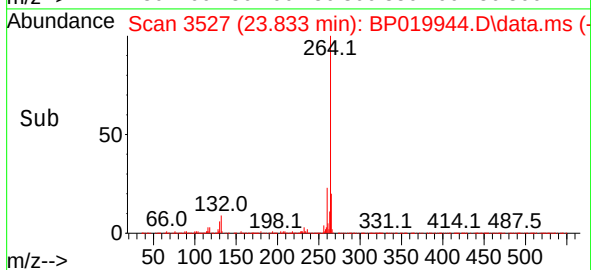
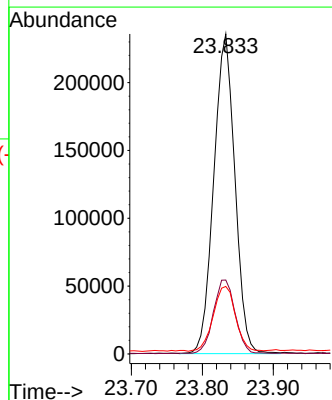
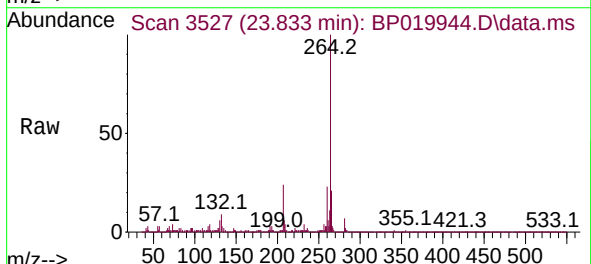
Tgt Ion:264 Resp: 484542

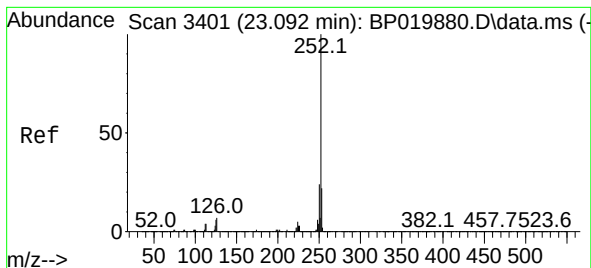
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.1 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.512 ng

RT: 23.092 min Scan# 3401

Delta R.T. -0.029 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Instrument :

BNA_P

ClientSampleId :

SP-1

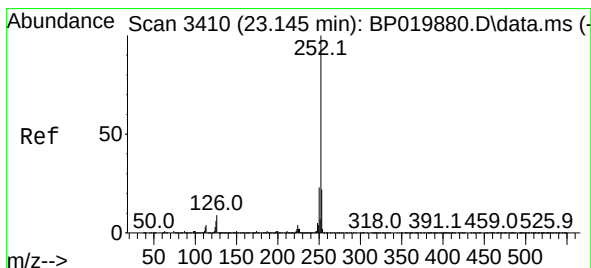
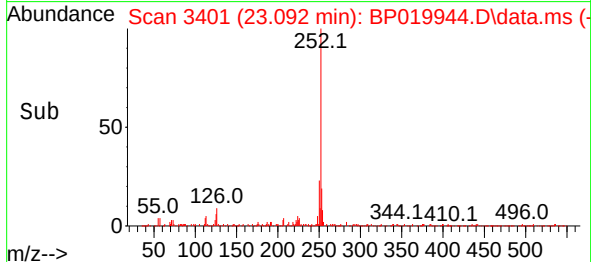
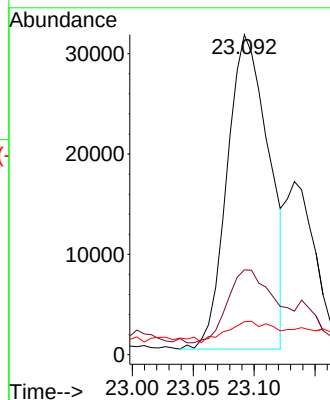
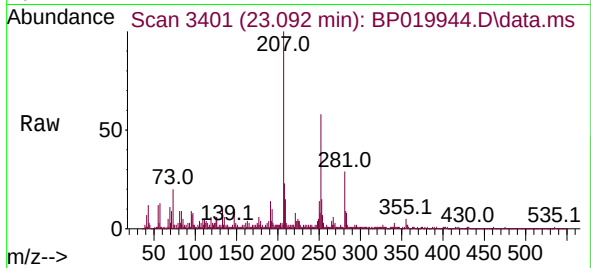
Tgt Ion:252 Resp: 74632

Ion Ratio Lower Upper

252 100

253 26.5 17.6 26.4#

125 10.3 4.6 7.0#



#89

Benzo(k)fluoranthene

Concen: 2.562 ng

RT: 23.092 min Scan# 3401

Delta R.T. -0.082 min

Lab File: BP019944.D

Acq: 29 Feb 2024 19:06

Tgt Ion:252 Resp: 74632

Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 10.3 4.6 6.8#

