

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022124\
 Data File : BP019811.D
 Acq On : 21 Feb 2024 16:54
 Operator : MA/JU
 Sample : P1530-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BROAD-GENERAL

Quant Time: Feb 21 17:37:43 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)

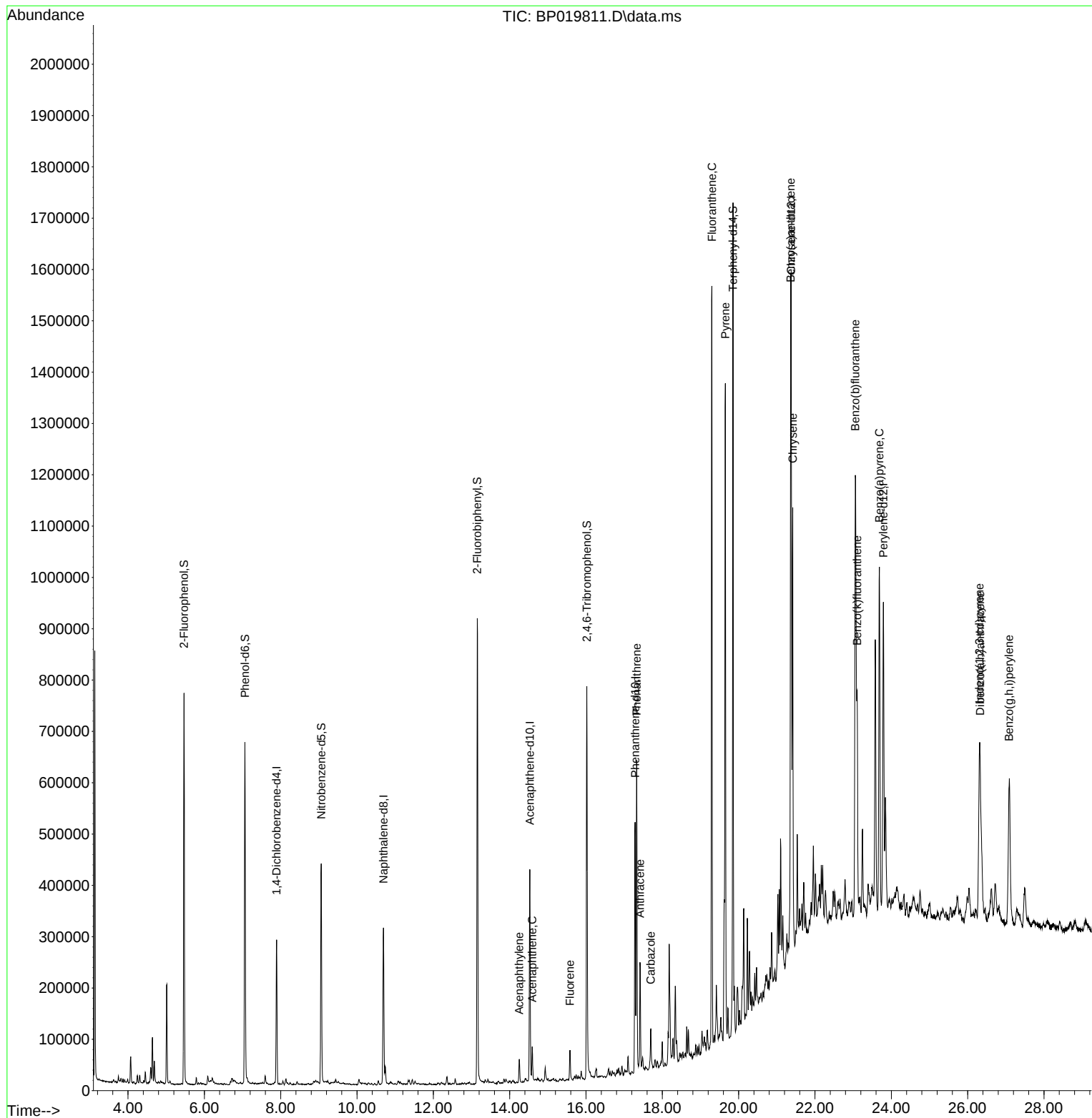
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	76439	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	252164	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	155069	20.000	ng	-0.01
64) Phenanthrene-d10	17.286	188	328999	20.000	ng	0.00
76) Chrysene-d12	21.374	240	399280	20.000	ng	#-0.02
86) Perylene-d12	23.792	264	486202	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	312022	65.798	ng	0.00
7) Phenol-d6	7.063	99	369339	57.763	ng	0.00
23) Nitrobenzene-d5	9.063	82	264383	45.431	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	175682	77.594	ng	-0.01
45) 2-Fluorobiphenyl	13.151	172	512986	40.896	ng	-0.01
79) Terphenyl-d14	19.851	244	811038	33.405	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.251	152	37600	2.638	ng	97
52) Acenaphthene	14.592	154	23337	2.638	ng	98
58) Fluorene	15.581	166	30242	2.635	ng	99
71) Phenanthrene	17.328	178	378457	21.858	ng	100
72) Anthracene	17.416	178	136824	7.922	ng	99
73) Carbazole	17.698	167	54687	3.485	ng	96
75) Fluoranthene	19.298	202	939847	44.435	ng	99
78) Pyrene	19.651	202	837241	29.711	ng	99
81) Benzo(a)anthracene	21.363	228	599556	21.332	ng	97
83) Chrysene	21.416	228	520745	19.515	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	435882	11.712	ng	# 95
88) Benzo(b)fluoranthene	23.057	252	900631	29.391	ng	97
89) Benzo(k)fluoranthene	23.104	252	263075m	8.987	ng	
90) Benzo(a)pyrene	23.686	252	590748	21.667	ng	97
91) Dibenzo(a,h)anthracene	26.327	278	113368	3.704	ng	# 90
92) Benzo(g,h,i)perylene	27.086	276	436294	14.050	ng	# 97

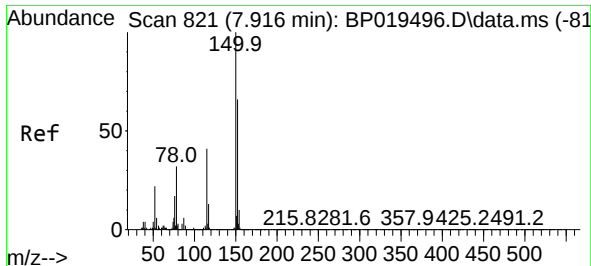
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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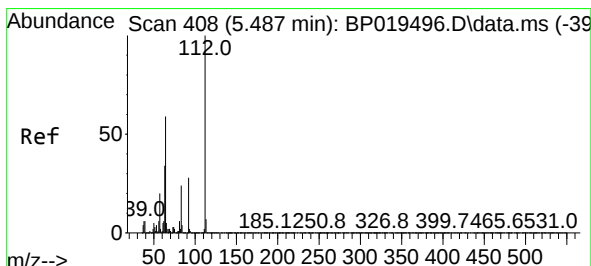
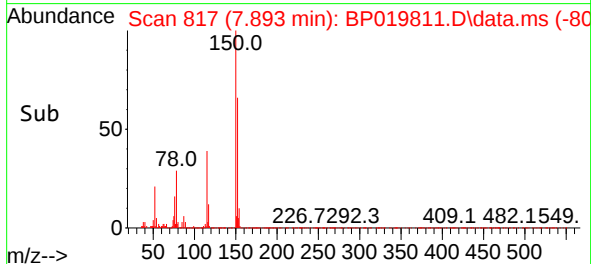
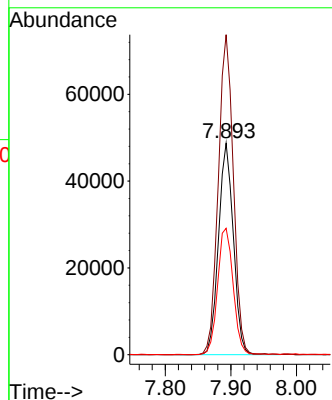
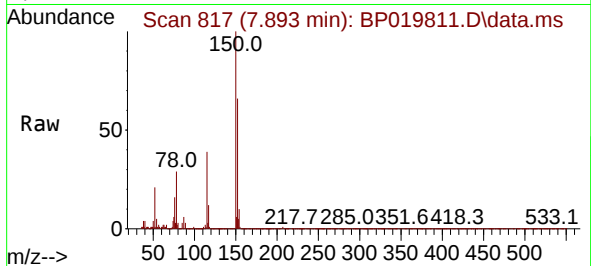




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

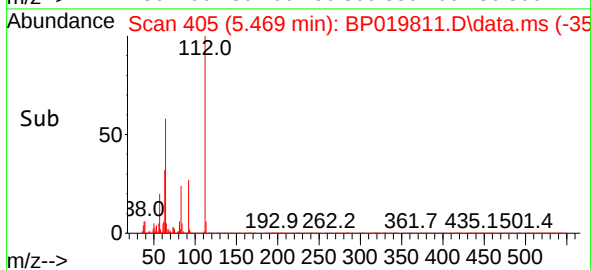
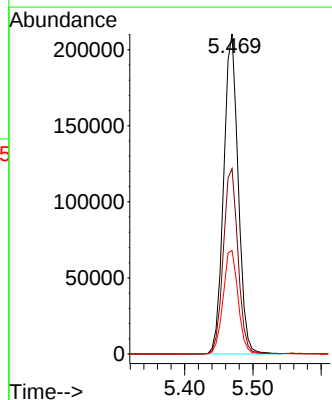
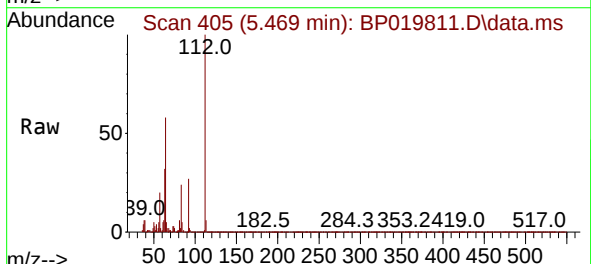
Instrument :
BNA_P
ClientSampleId :
BROAD-GENERAL

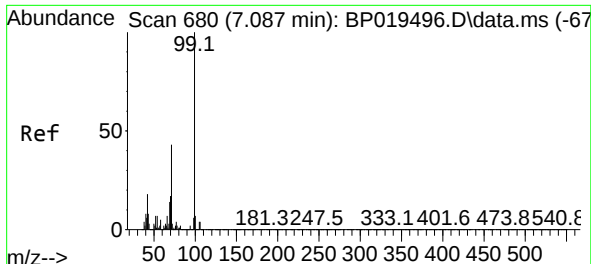
Tgt Ion:152 Resp: 76439
Ion Ratio Lower Upper
152 100
150 151.3 121.8 182.8
115 59.7 49.9 74.9



#5
2-Fluorophenol
Concen: 65.798 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

Tgt Ion:112 Resp: 312022
Ion Ratio Lower Upper
112 100
64 57.9 47.4 71.0
63 32.4 27.0 40.6

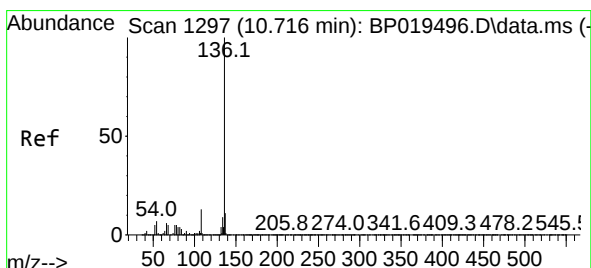
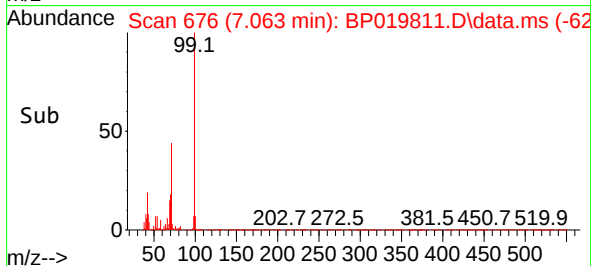
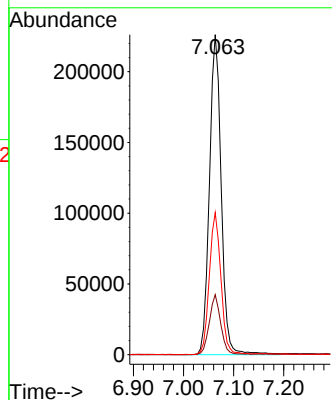
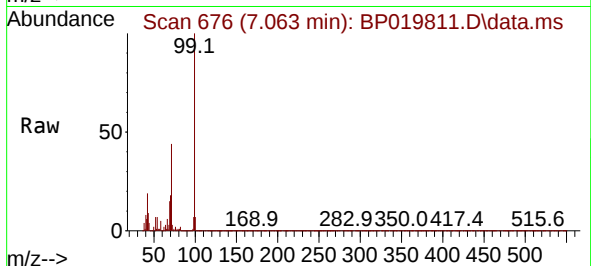




#7
Phenol-d6
Concen: 57.763 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

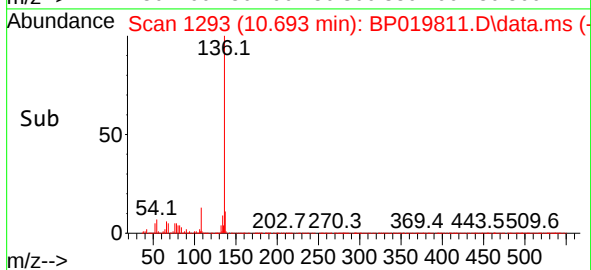
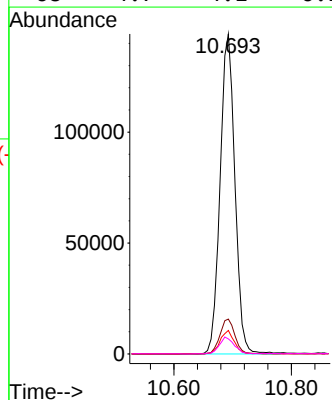
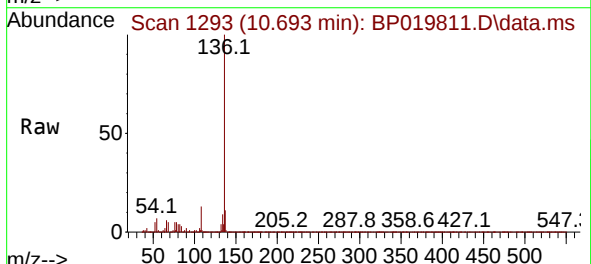
Instrument :
BNA_P
ClientSampleId :
BROAD-GENERAL

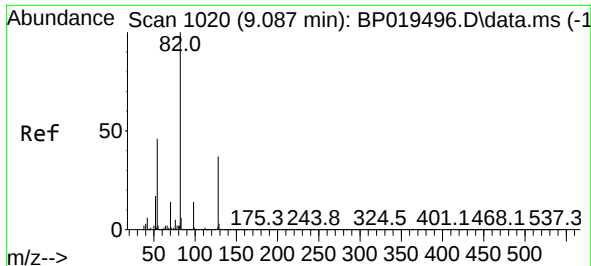
Tgt Ion: 99 Resp: 369339
Ion Ratio Lower Upper
99 100
42 18.7 14.7 22.1
71 44.4 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

Tgt Ion: 136 Resp: 252164
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.3 5.3 7.9
68 4.7 4.1 6.1

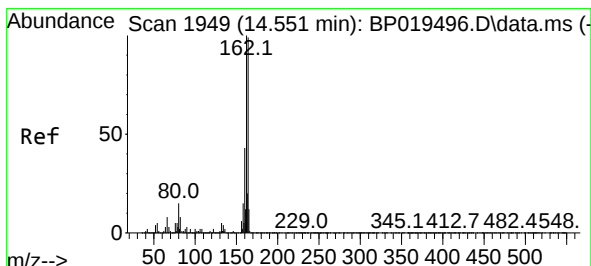
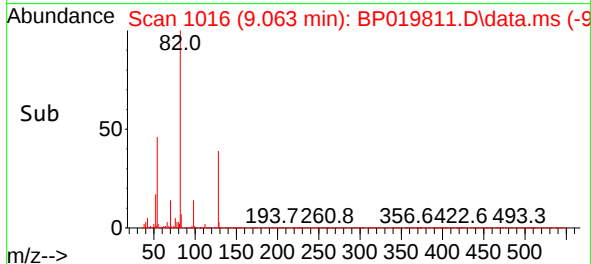
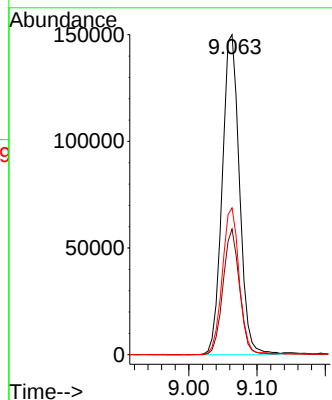
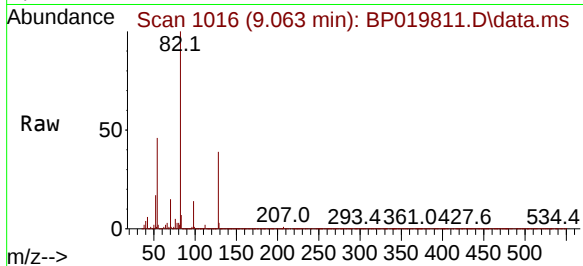




#23
Nitrobenzene-d5
Concen: 45.431 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

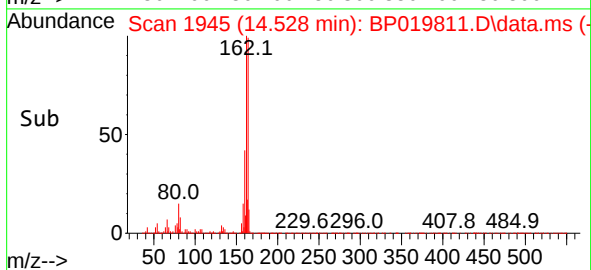
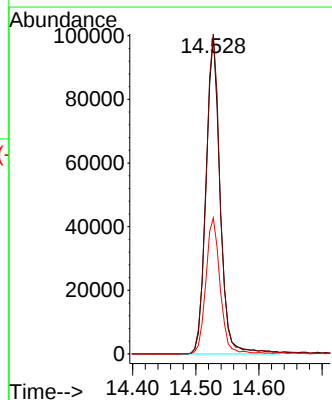
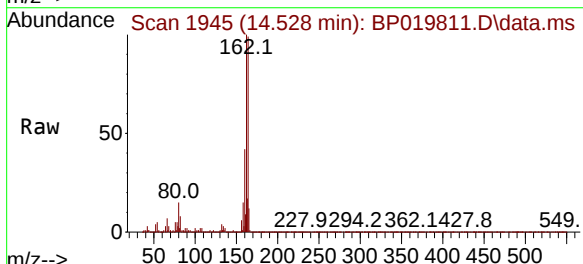
Instrument :
BNA_P
ClientSampleId :
BROAD-GENERAL

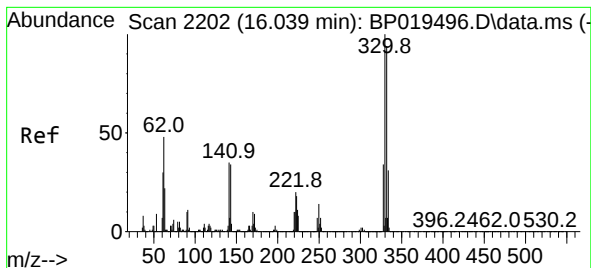
Tgt Ion: 82 Resp: 264383
Ion Ratio Lower Upper
82 100
128 39.2 29.7 44.5
54 45.9 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

Tgt Ion:164 Resp: 155069
Ion Ratio Lower Upper
164 100
162 100.8 81.2 121.8
160 42.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 77.594 ng

RT: 16.022 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

ClientSampleId :

BROAD-GENERAL

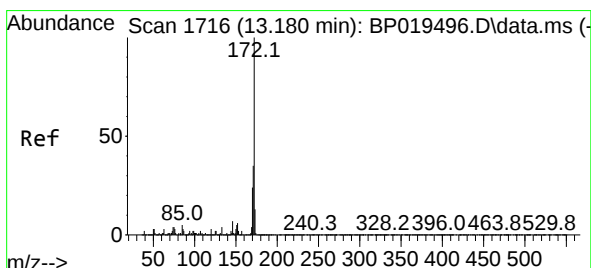
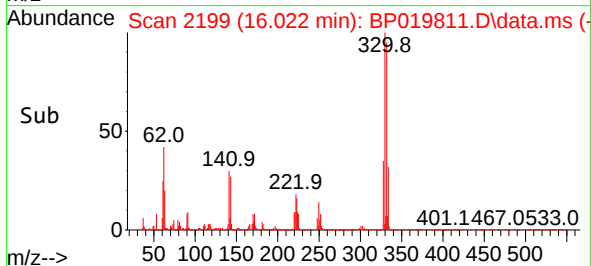
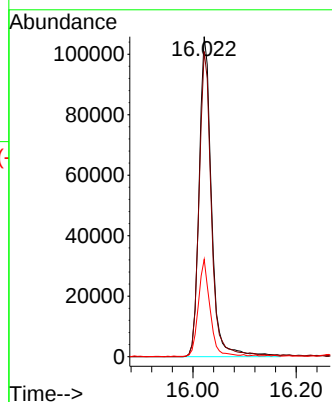
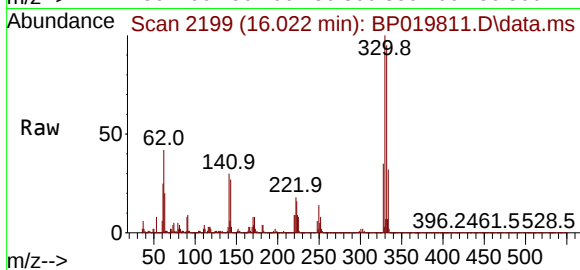
Tgt Ion:330 Resp: 175682

Ion Ratio Lower Upper

330 100

332 95.0 77.2 115.8

141 28.4 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 40.896 ng

RT: 13.151 min Scan# 1711

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

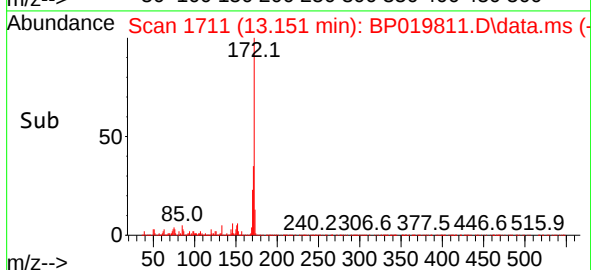
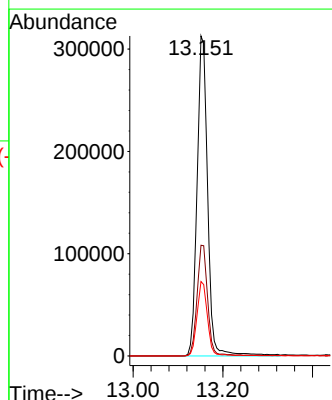
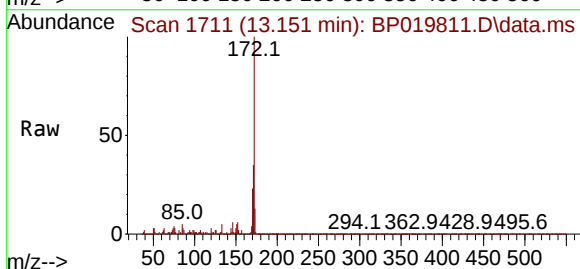
Tgt Ion:172 Resp: 512986

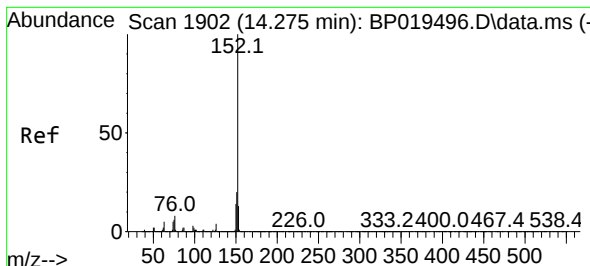
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.2 18.9 28.3





#49

Acenaphthylene

Concen: 2.638 ng

RT: 14.251 min Scan# 1898

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

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BROAD-GENERAL

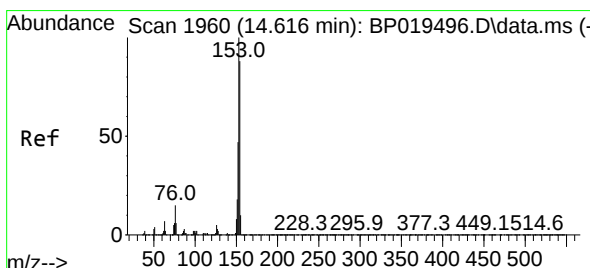
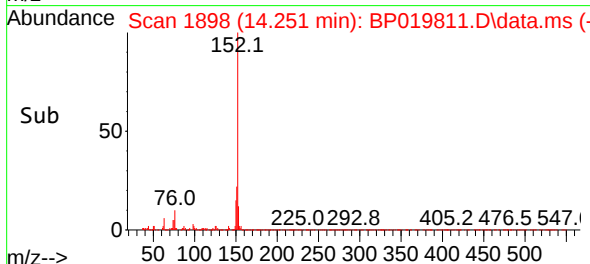
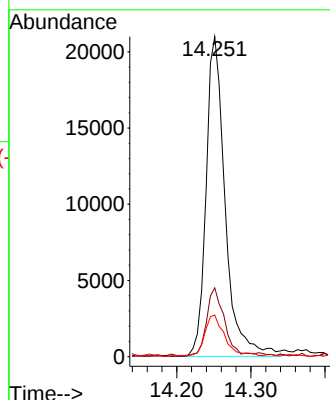
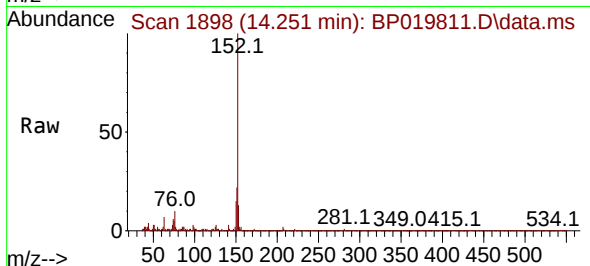
Tgt Ion:152 Resp: 37600

Ion Ratio Lower Upper

152 100

151 21.5 15.8 23.6

153 13.0 10.6 15.8



#52

Acenaphthene

Concen: 2.638 ng

RT: 14.592 min Scan# 1956

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

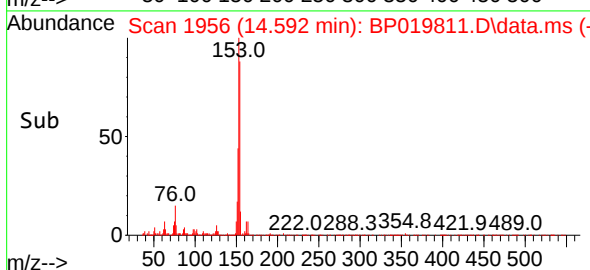
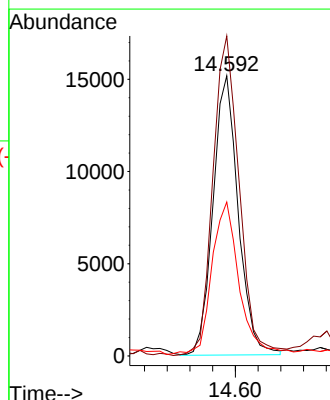
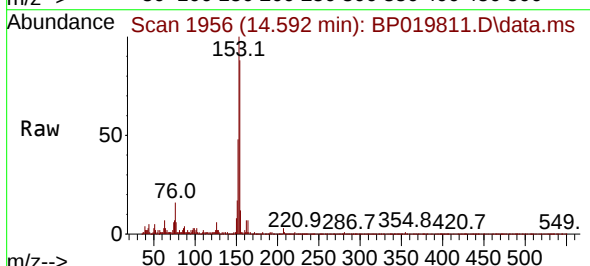
Tgt Ion:154 Resp: 23337

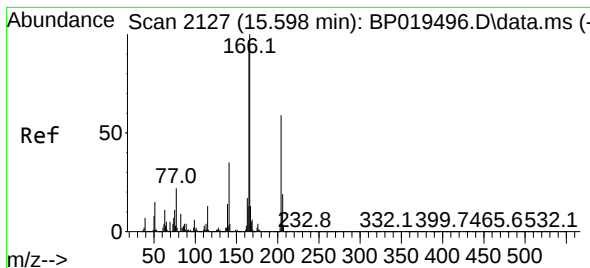
Ion Ratio Lower Upper

154 100

153 114.2 90.5 135.7

152 54.9 42.1 63.1





#58

Fluorene

Concen: 2.635 ng

RT: 15.581 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

ClientSampleId :

BROAD-GENERAL

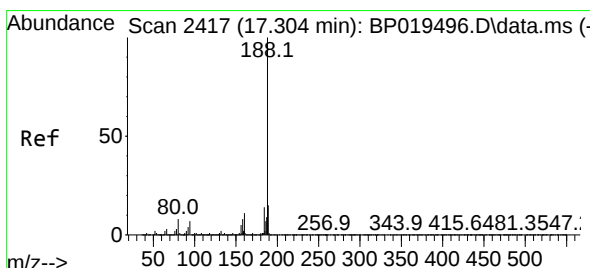
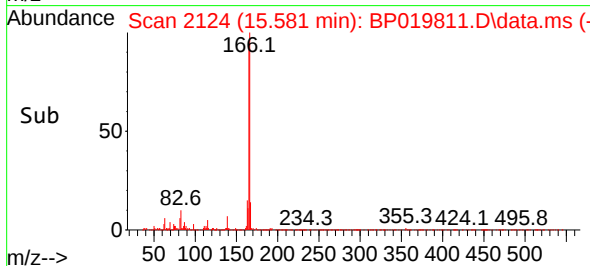
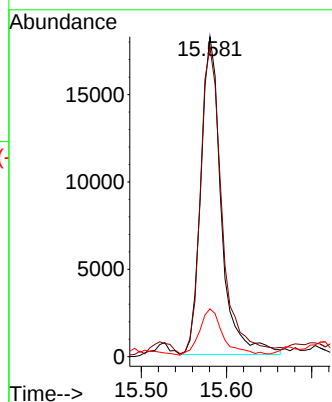
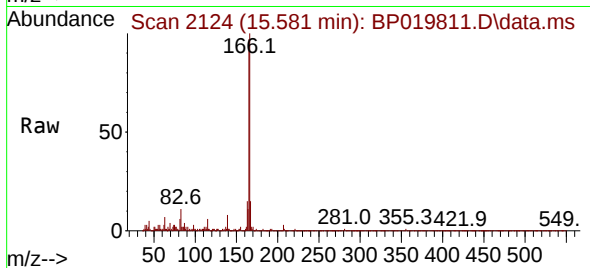
Tgt Ion:166 Resp: 30242

Ion Ratio Lower Upper

166 100

165 96.6 77.8 116.8

167 14.9 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.286 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

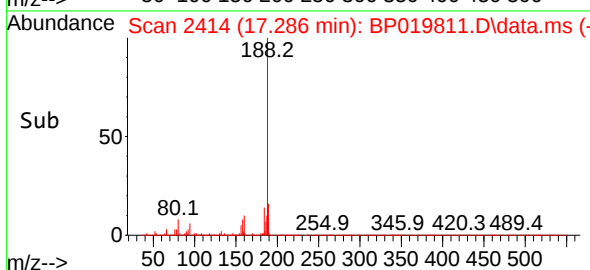
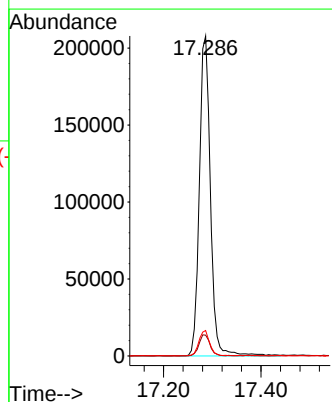
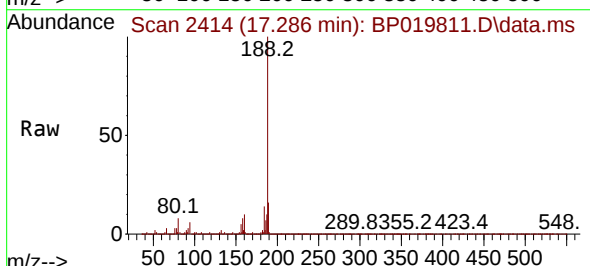
Tgt Ion:188 Resp: 328999

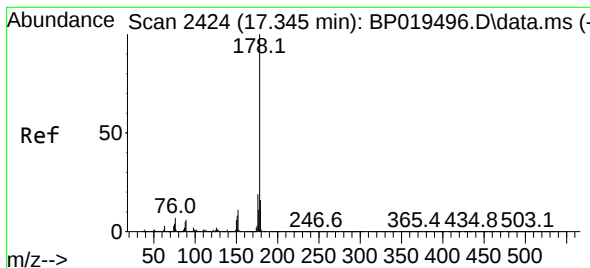
Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.2

80 7.9 6.3 9.5





#71

Phenanthrene

Concen: 21.858 ng

RT: 17.328 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

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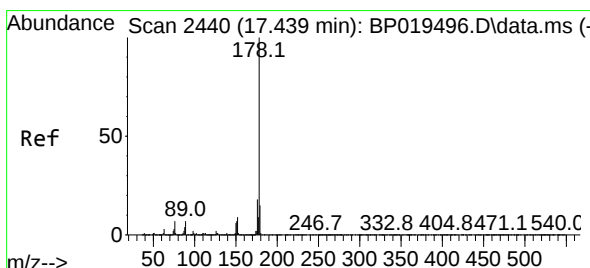
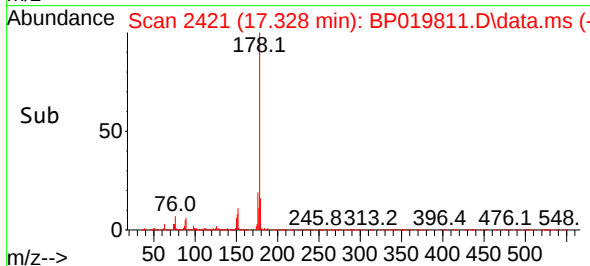
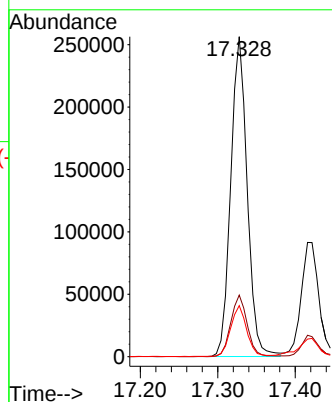
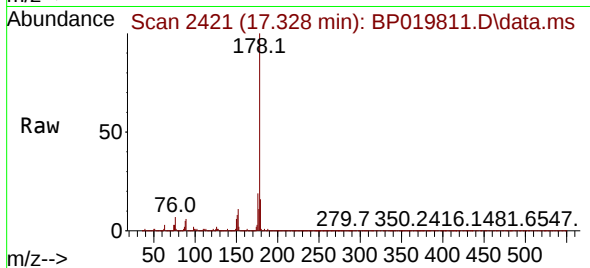
Tgt Ion:178 Resp: 378457

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 16.0 12.6 19.0



#72

Anthracene

Concen: 7.922 ng

RT: 17.416 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

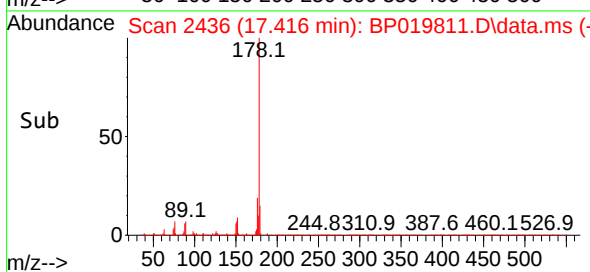
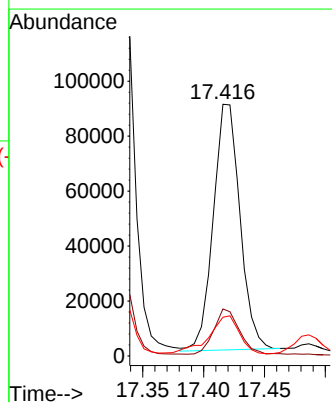
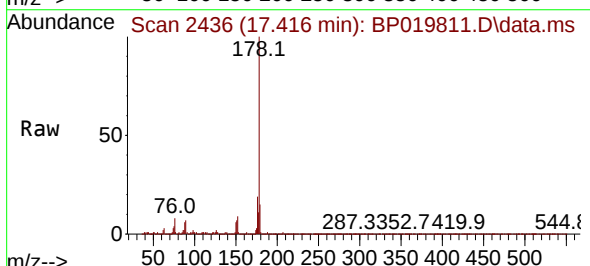
Tgt Ion:178 Resp: 136824

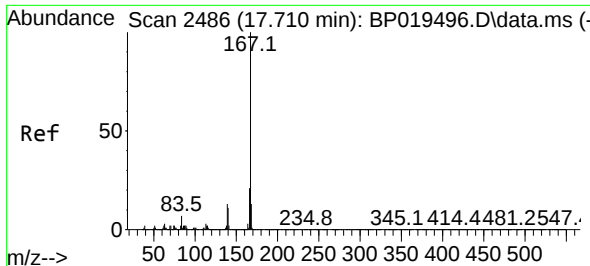
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.4 12.2 18.2

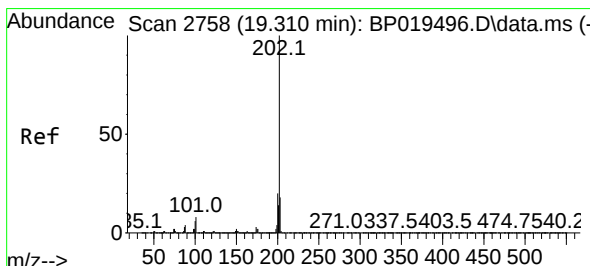
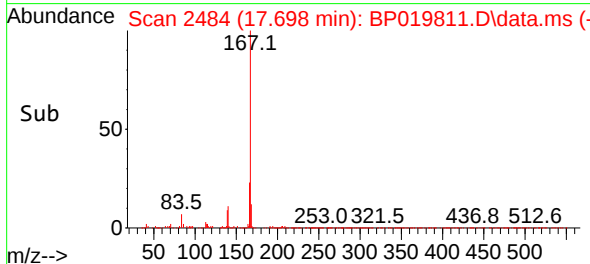
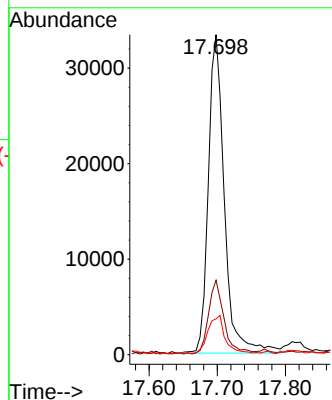
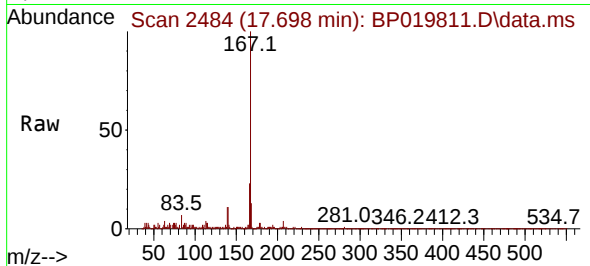




#73
Carbazole
Concen: 3.485 ng
RT: 17.698 min Scan# 2486
Delta R.T. -0.012 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

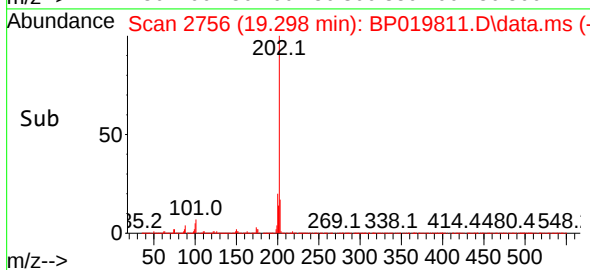
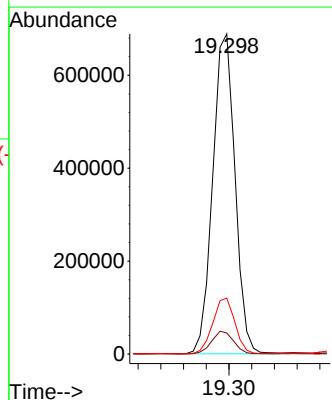
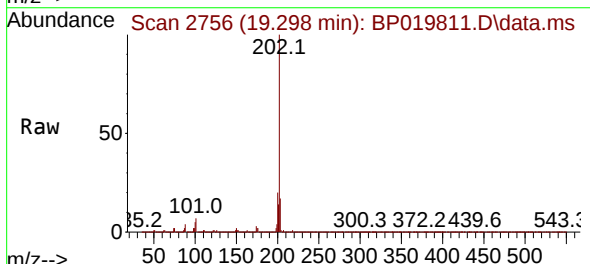
Instrument :
BNA_P
ClientSampleId :
BROAD-GENERAL

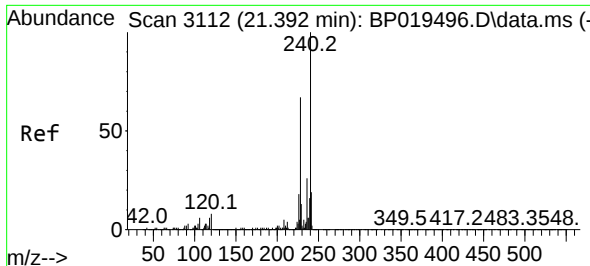
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.2	25.8
139	11.2	10.6	15.8



#75
Fluoranthene
Concen: 44.435 ng
RT: 19.298 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	27.7
203	17.5	0.0	37.5

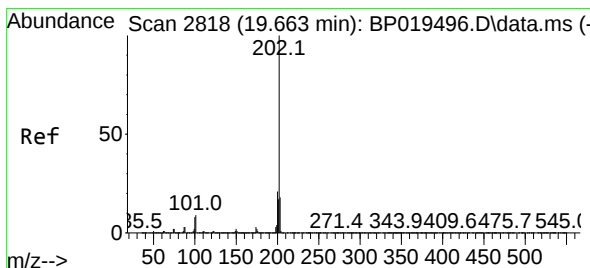
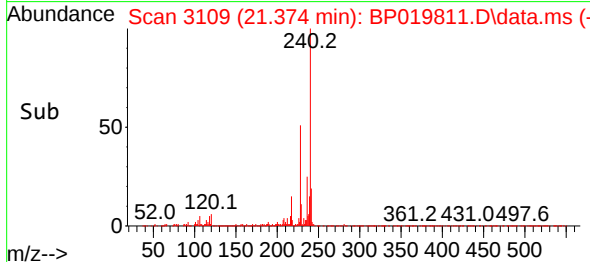
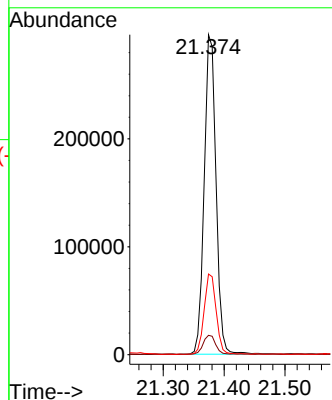
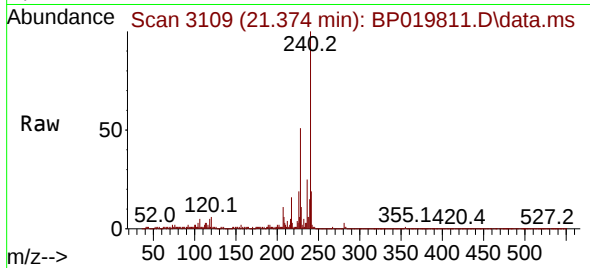




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3112
Delta R.T. -0.018 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

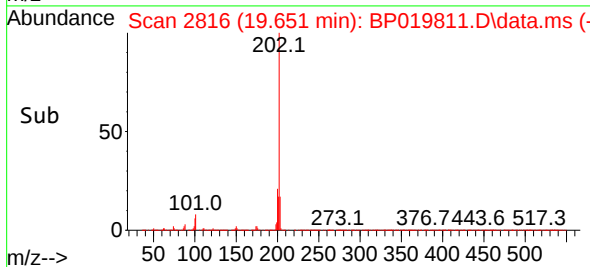
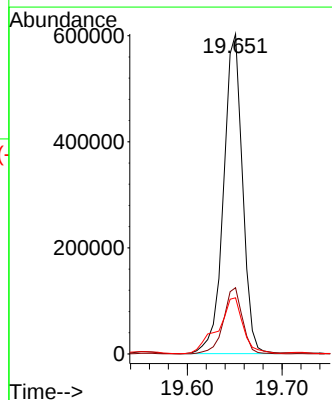
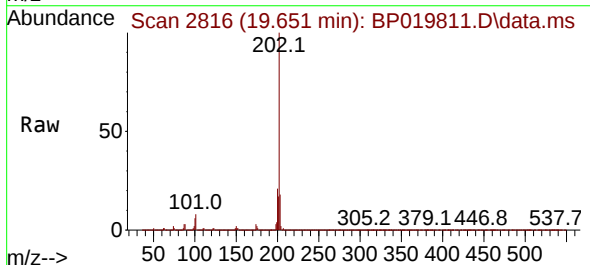
Instrument :
BNA_P
ClientSampleId :
BROAD-GENERAL

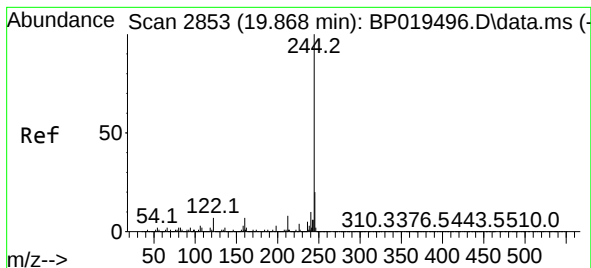
Tgt Ion:240 Resp: 399280
Ion Ratio Lower Upper
240 100
120 6.1 6.1 9.1#
236 25.2 20.7 31.1



#78
Pyrene
Concen: 29.711 ng
RT: 19.651 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

Tgt Ion:202 Resp: 837241
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 33.405 ng

RT: 19.851 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

ClientSampleId :

BROAD-GENERAL

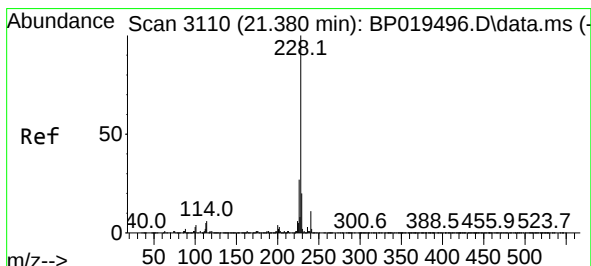
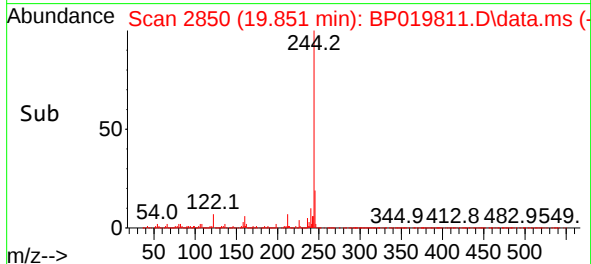
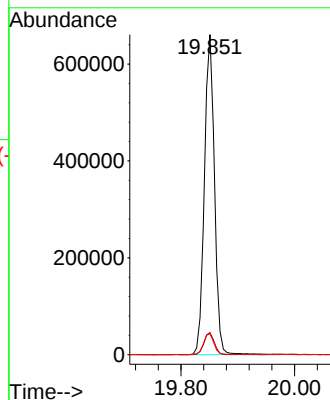
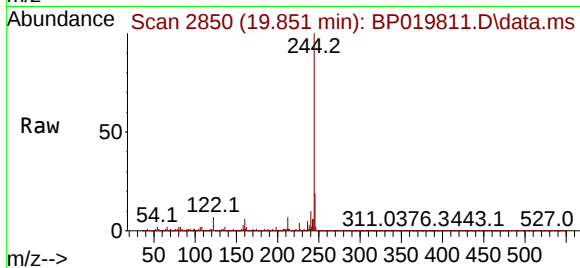
Tgt Ion:244 Resp: 811038

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 6.6 5.9 8.9



#81

Benzo(a)anthracene

Concen: 21.332 ng

RT: 21.363 min Scan# 3107

Delta R.T. -0.012 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

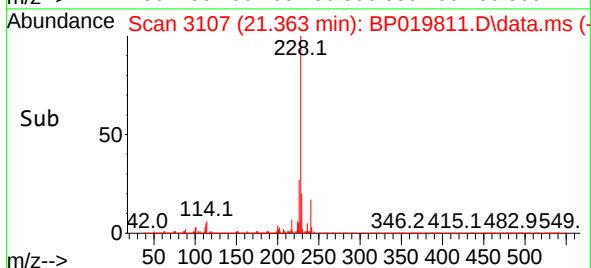
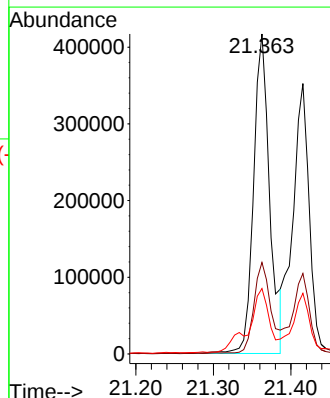
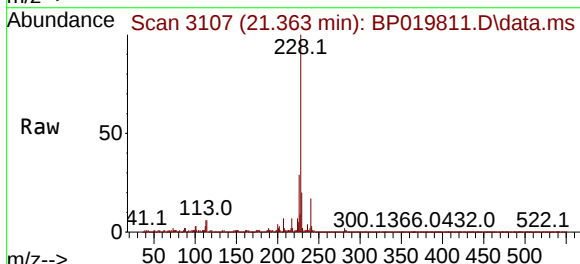
Tgt Ion:228 Resp: 599556

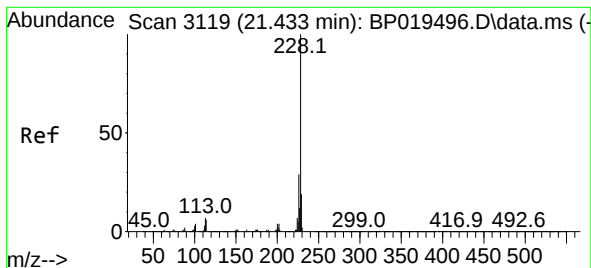
Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

229 20.5 15.6 23.4





#83

Chrysene

Concen: 19.515 ng

RT: 21.416 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP019811.D

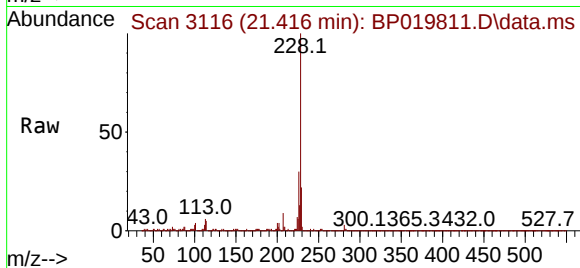
Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

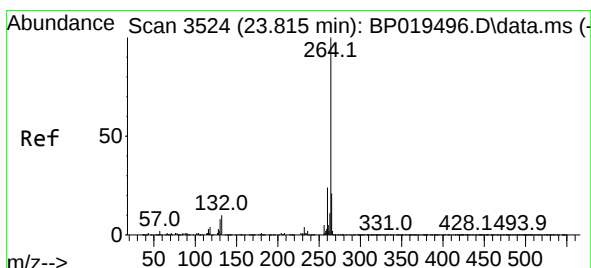
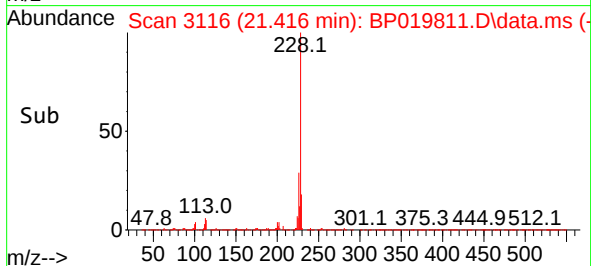
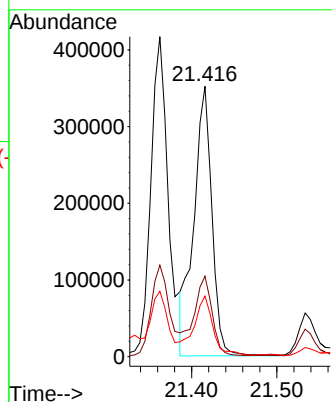
ClientSampleId :

BROAD-GENERAL



Tgt Ion:228 Resp: 520745

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.4	15.6	23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.792 min Scan# 3520

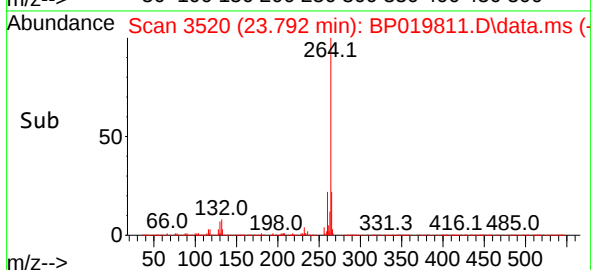
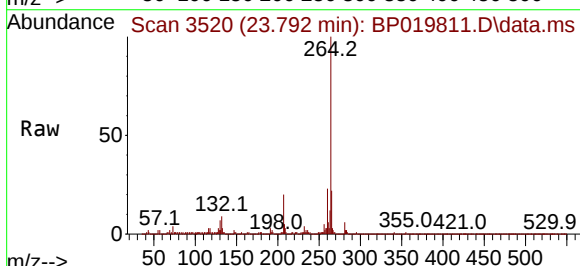
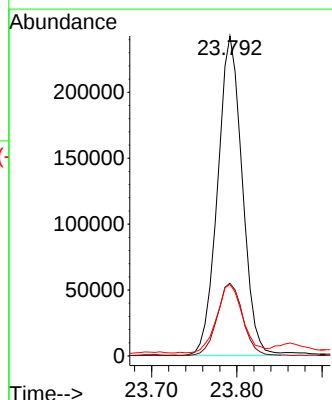
Delta R.T. -0.018 min

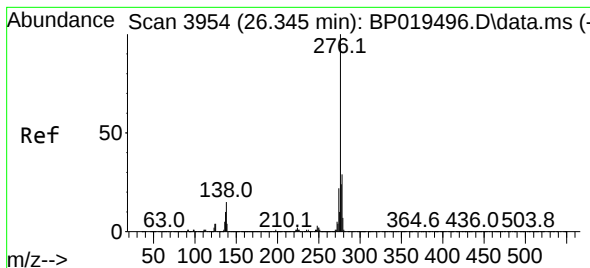
Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Tgt Ion:264 Resp: 486202

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.4	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.712 ng

RT: 26.309 min Scan# 3948

Delta R.T. -0.035 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

ClientSampleId :

BROAD-GENERAL

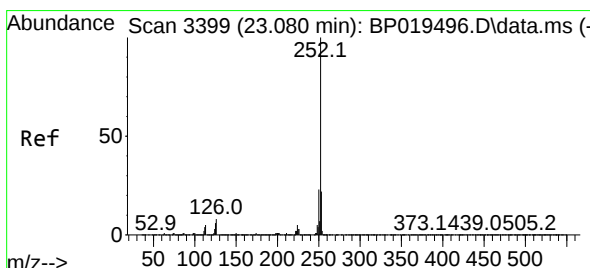
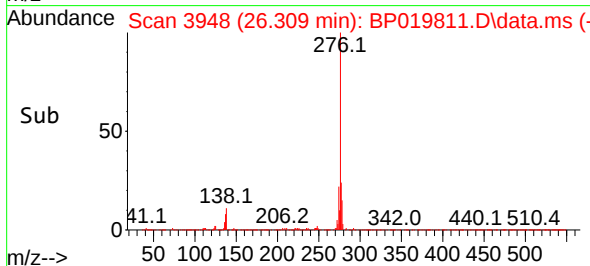
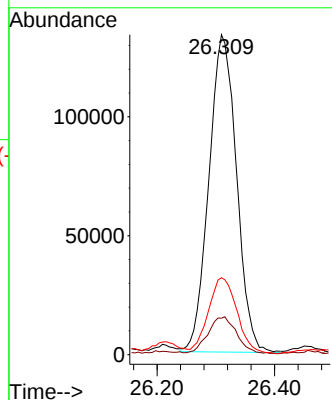
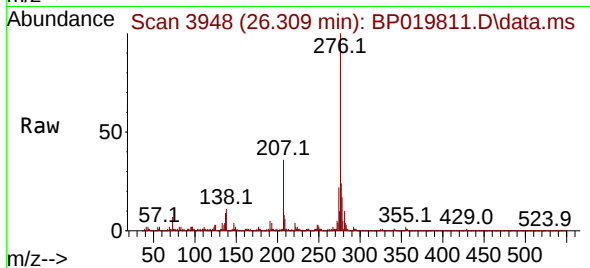
Tgt Ion:276 Resp: 435882

Ion Ratio Lower Upper

276 100

138 12.1 13.1 19.7#

277 24.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 29.391 ng

RT: 23.057 min Scan# 3395

Delta R.T. -0.018 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

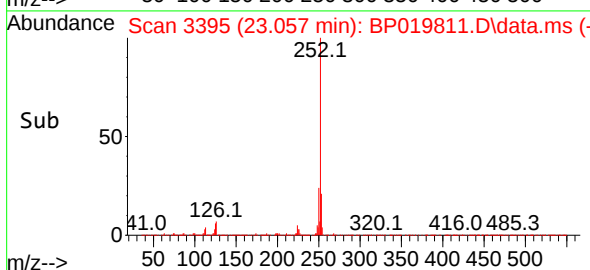
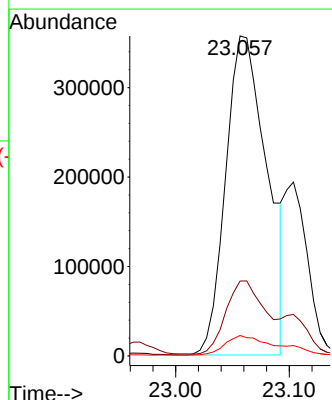
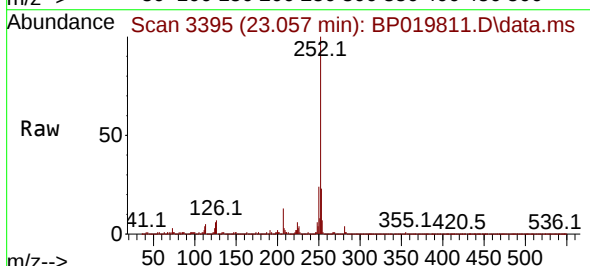
Tgt Ion:252 Resp: 900631

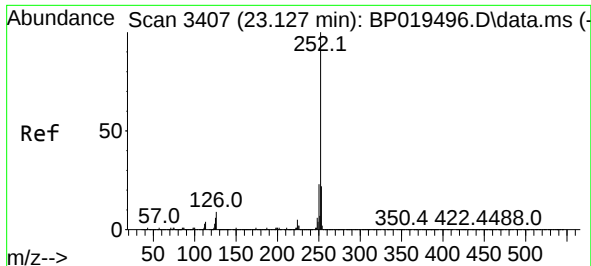
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 6.4 4.9 7.3

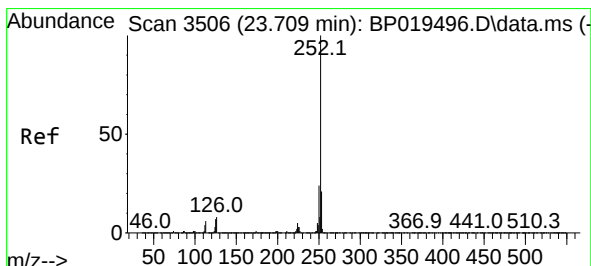
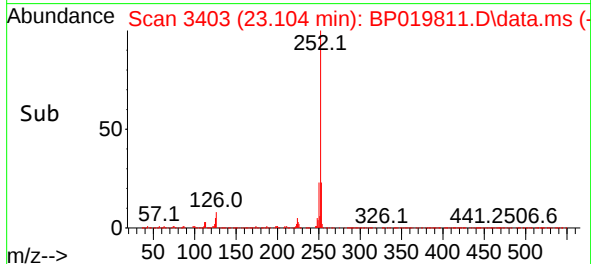
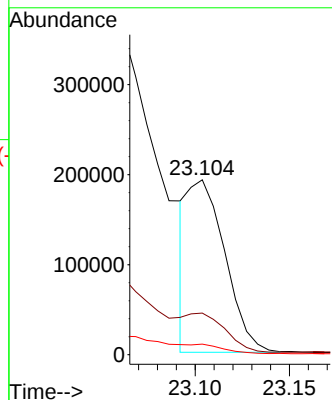
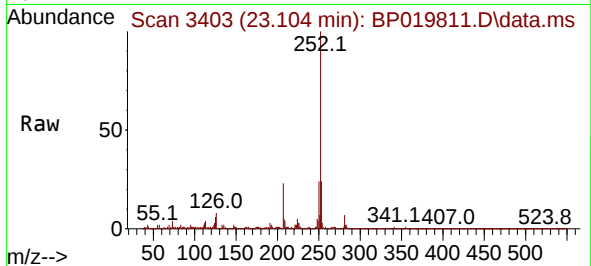




#89
Benzo(k)fluoranthene
Concen: 8.987 ng m
RT: 23.104 min Scan# 34
Delta R.T. -0.018 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

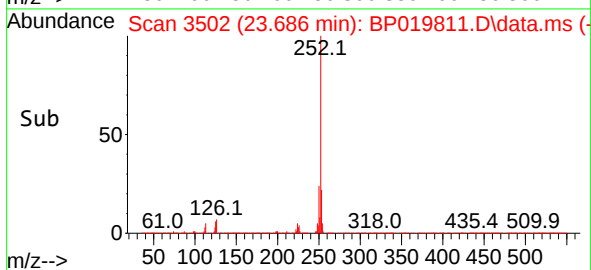
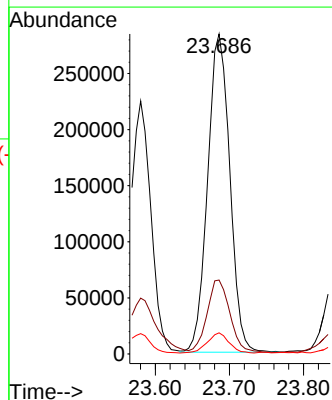
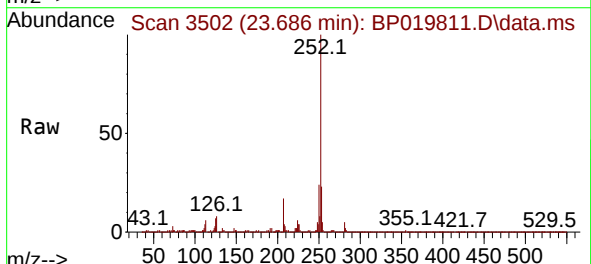
Instrument :
BNA_P
ClientSampleId :
BROAD-GENERAL

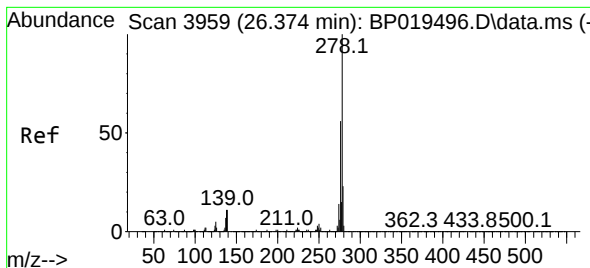
Tgt Ion:252 Resp: 263075
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 6.0 5.0 7.6



#90
Benzo(a)pyrene
Concen: 21.667 ng
RT: 23.686 min Scan# 3502
Delta R.T. -0.018 min
Lab File: BP019811.D
Acq: 21 Feb 2024 16:54

Tgt Ion:252 Resp: 590748
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 6.6 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.704 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.041 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Instrument :

BNA_P

ClientSampleId :

BROAD-GENERAL

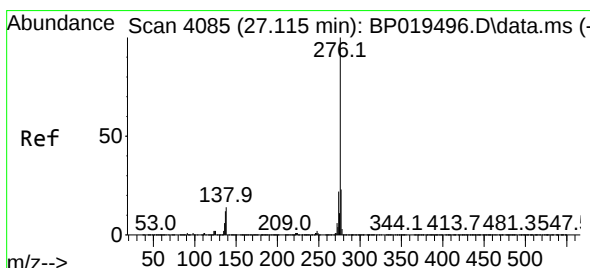
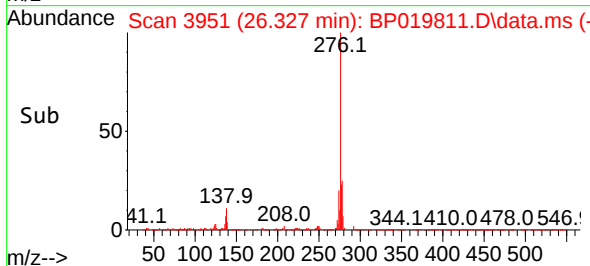
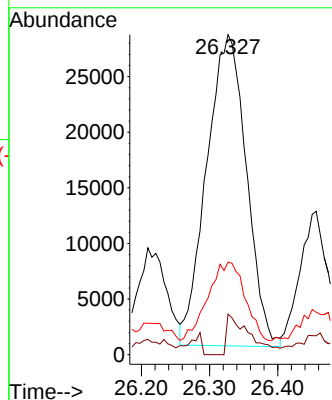
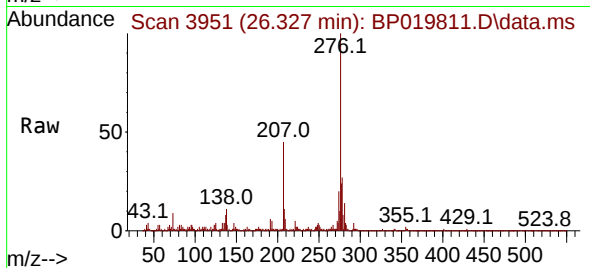
Tgt Ion:278 Resp: 113368

Ion Ratio Lower Upper

278 100

139 12.7 8.6 12.8

279 28.9 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 14.050 ng

RT: 27.086 min Scan# 4080

Delta R.T. -0.035 min

Lab File: BP019811.D

Acq: 21 Feb 2024 16:54

Tgt Ion:276 Resp: 436294

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 10.7 10.9 16.3#

