

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031622\
 Data File : BP009435.D
 Acq On : 16 Mar 2022 22:16
 Operator : CG/JU
 Sample : N1894-01RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP1(0-10)RE

Quant Time: Mar 17 01:10:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

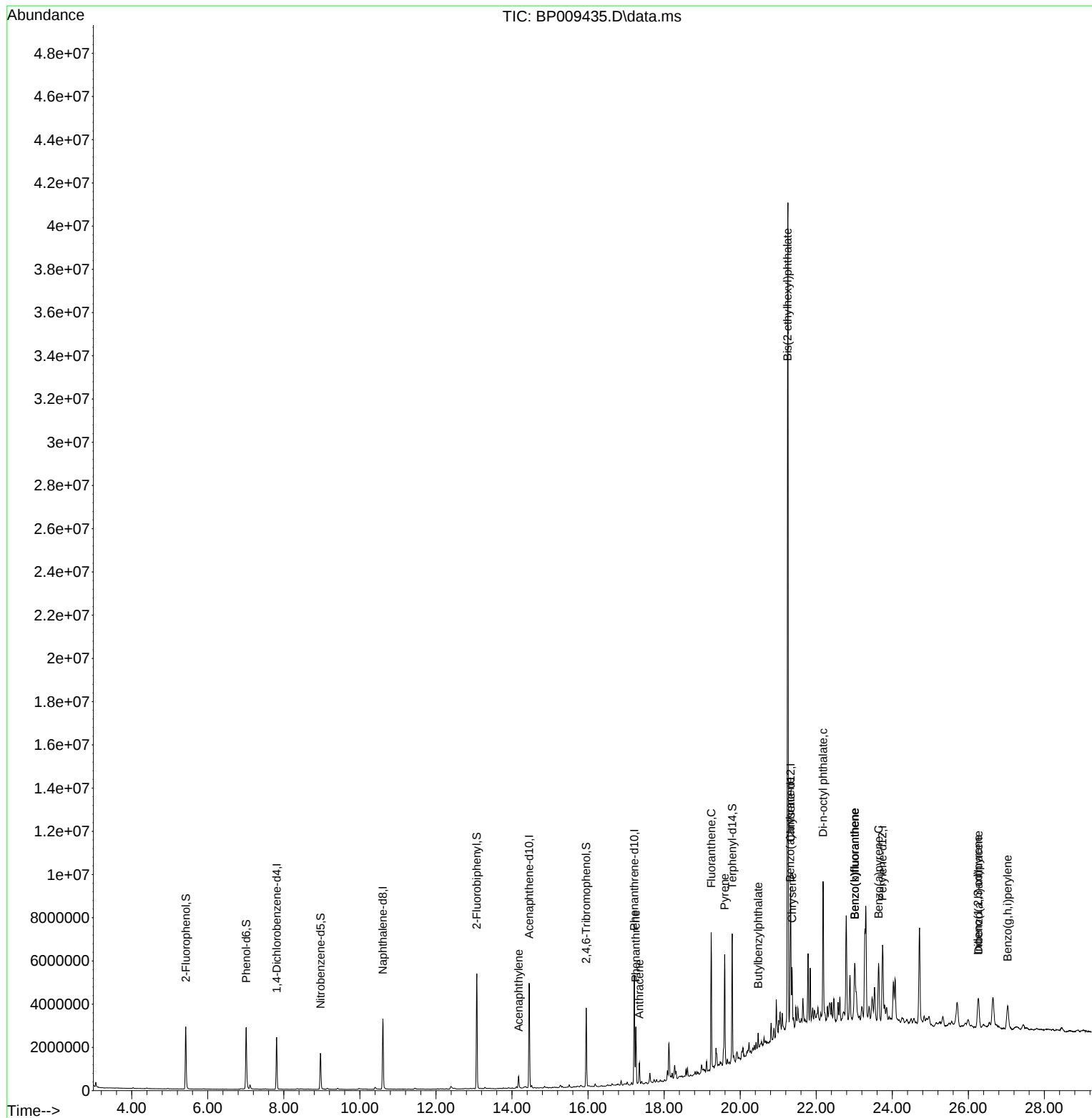
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	718431	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	2942898	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	1838743	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	3242971	20.000	ng	0.00
76) Chrysene-d12	21.327	240	2351815	20.000	ng	# 0.00
86) Perylene-d12	23.745	264	2553124	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1521585	30.915	ng	0.01
7) Phenol-d6	7.010	99	1929438	30.848	ng	0.02
23) Nitrobenzene-d5	8.963	82	1107163	20.721	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	839597	37.815	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	3107680	23.243	ng	-0.01
79) Terphenyl-d14	19.792	244	3147257	25.254	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.175	152	491846	2.799	ng	99
71) Phenanthrene	17.257	178	1745242	9.364	ng	100
72) Anthracene	17.351	178	686630	3.701	ng	99
75) Fluoranthene	19.239	202	3826165	17.786	ng	98
78) Pyrene	19.592	202	3325039	20.940	ng	99
80) Butylbenzylphthalate	20.474	149	240738	4.200	ng	96
81) Benzo(a)anthracene	21.316	228	1870554	11.735	ng	96
83) Chrysene	21.363	228	1619559	10.464	ng	97
84) Bis(2-ethylhexyl)phtha...	21.245	149	16222121	176.972	ng	# 88
85) Di-n-octyl phthalate	22.180	149	5604799	37.346	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.256	276	1560464	7.867	ng	# 90
88) Benzo(b)fluoranthene	23.015	252	3403616	19.744	ng	98
89) Benzo(k)fluoranthene	23.015	252	3403616	20.667	ng	97
90) Benzo(a)pyrene	23.639	252	1781569	10.897	ng	97
91) Dibenzo(a,h)anthracene	26.268	278	386988	2.301	ng	# 89
92) Benzo(g,h,i)perylene	27.033	276	1601351	9.637	ng	# 94

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

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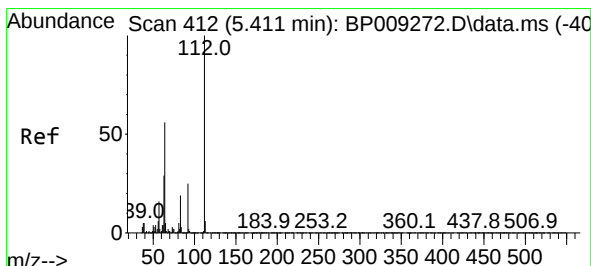
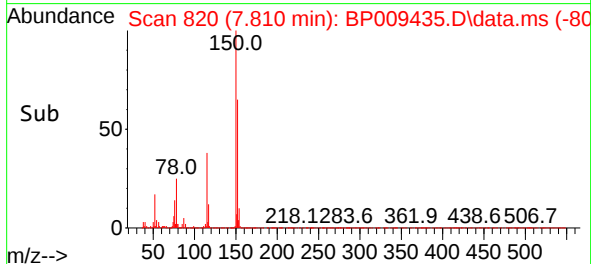
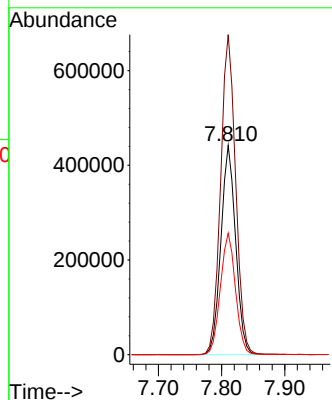
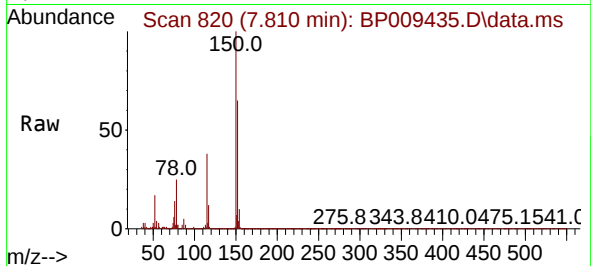




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

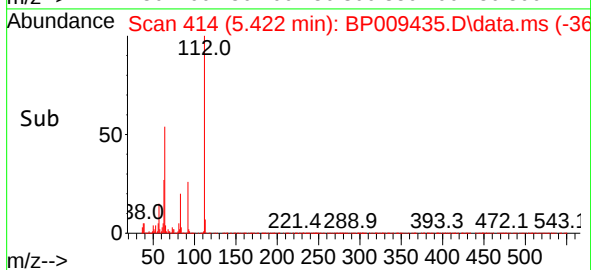
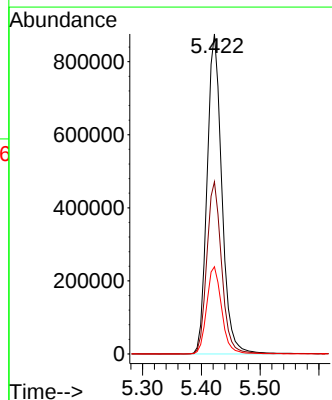
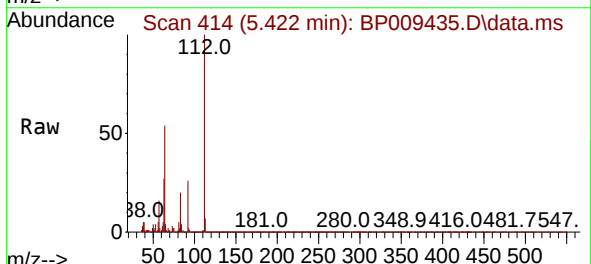
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

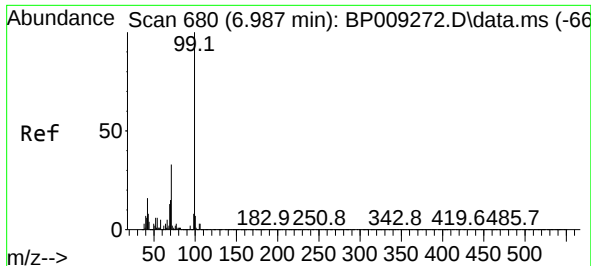
Tgt Ion:152 Resp: 718431
Ion Ratio Lower Upper
152 100
150 152.9 124.5 186.7
115 58.0 48.2 72.4



#5
2-Fluorophenol
Concen: 30.915 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:112 Resp: 1521585
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 27.2 23.0 34.6

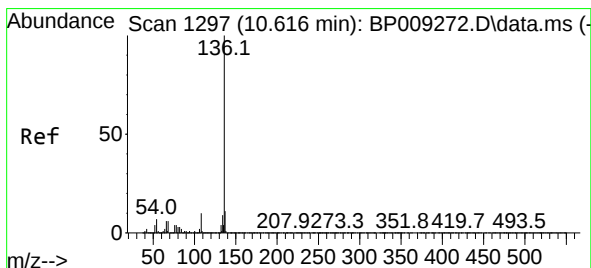
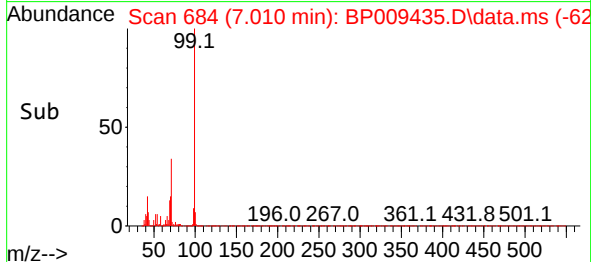
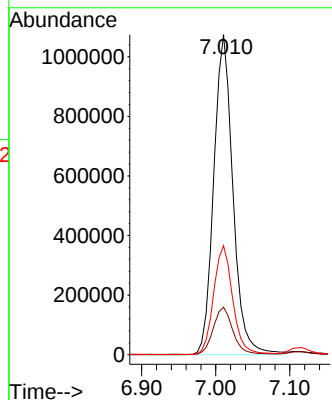
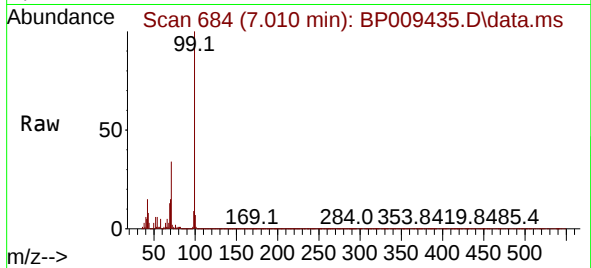




#7
Phenol-d6
Concen: 30.848 ng
RT: 7.010 min Scan# 61
Delta R.T. 0.023 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

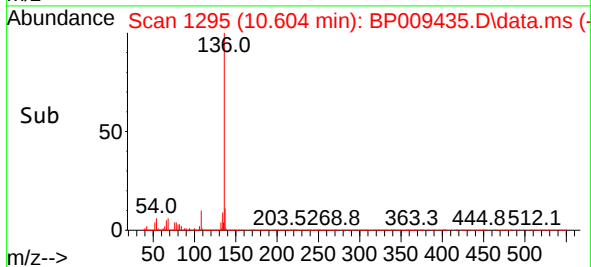
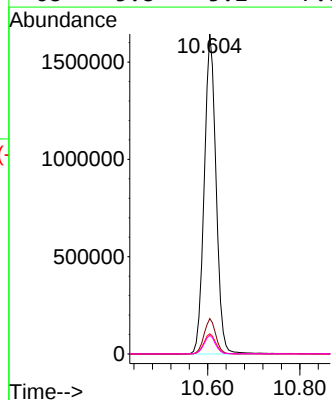
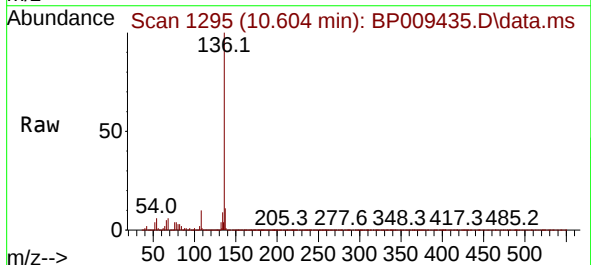
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

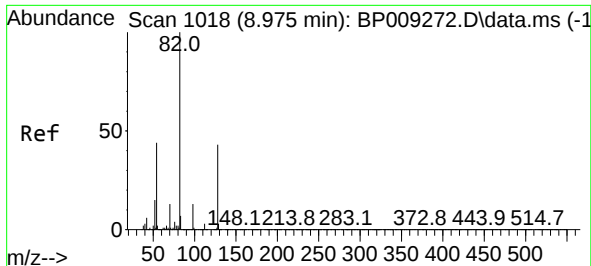
Tgt Ion: 99 Resp: 1929438
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 34.1 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion: 136 Resp: 2942898
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.3 5.8 8.8
68 5.8 5.2 7.8

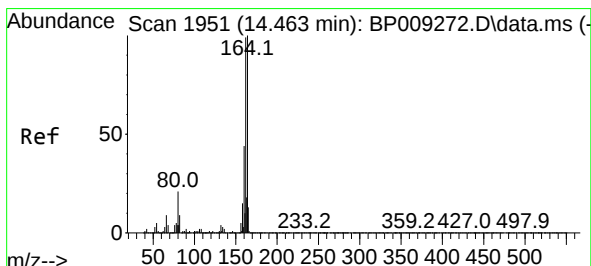
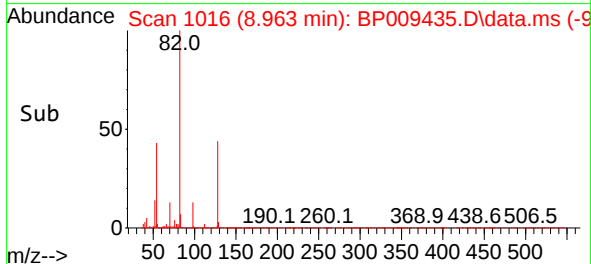
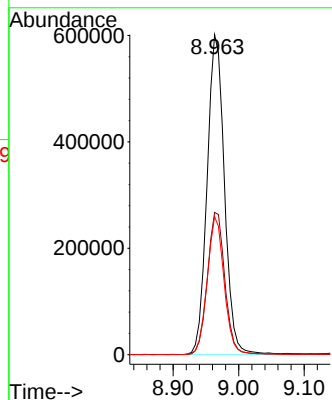
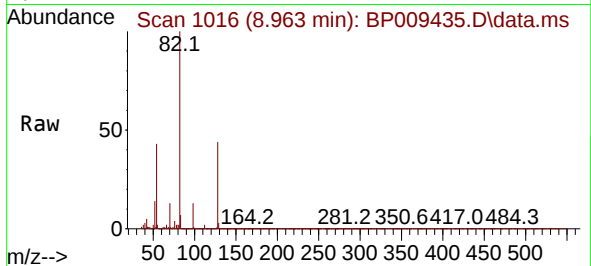




#23
Nitrobenzene-d5
Concen: 20.721 ng
RT: 8.963 min Scan# 110
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

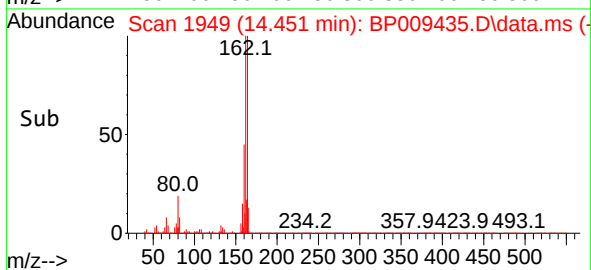
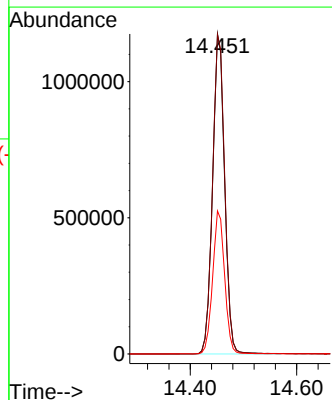
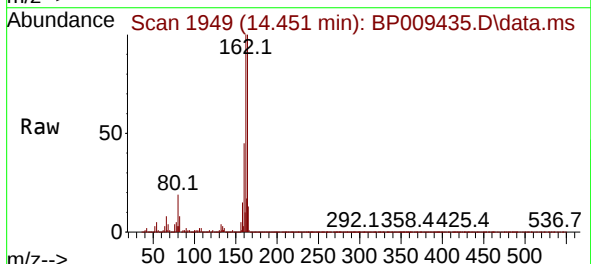
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

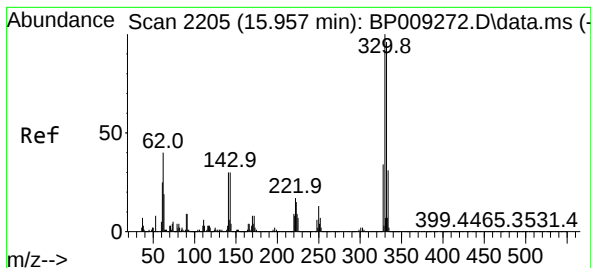
Tgt Ion: 82 Resp: 1107163
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.4
54 43.1 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:164 Resp: 1838743
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 44.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 37.815 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

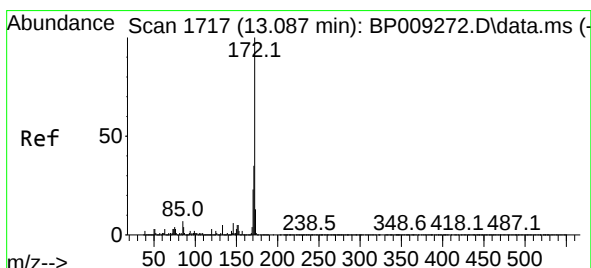
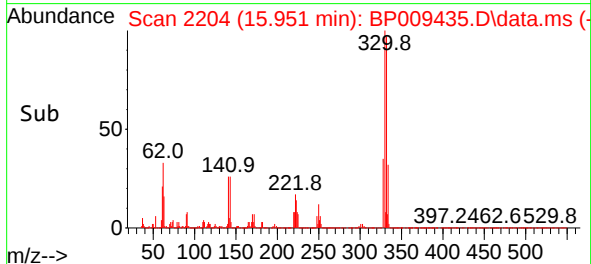
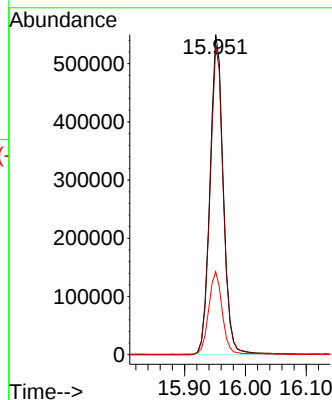
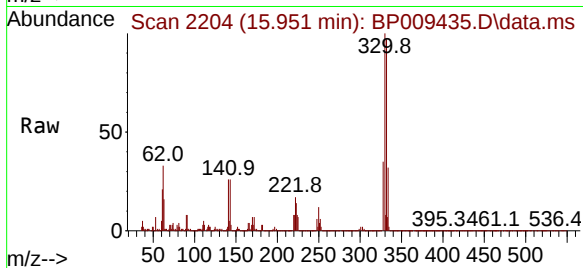
Tgt Ion:330 Resp: 839597

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 26.1 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 23.243 ng

RT: 13.075 min Scan# 1715

Delta R.T. -0.012 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

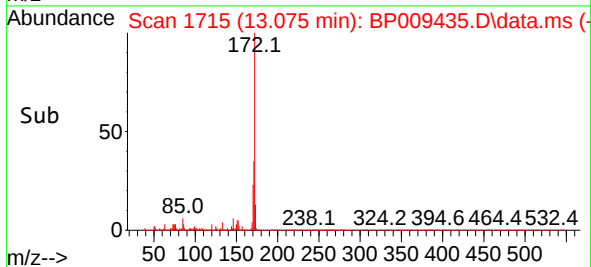
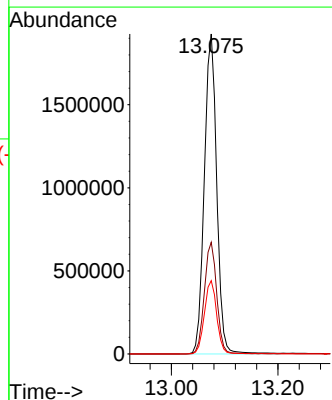
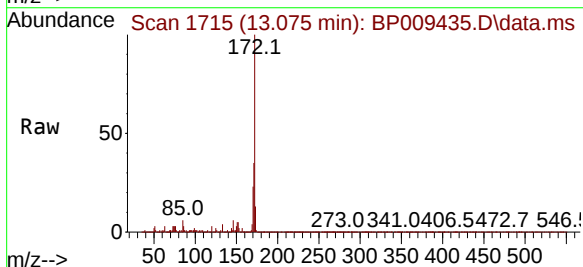
Tgt Ion:172 Resp: 3107680

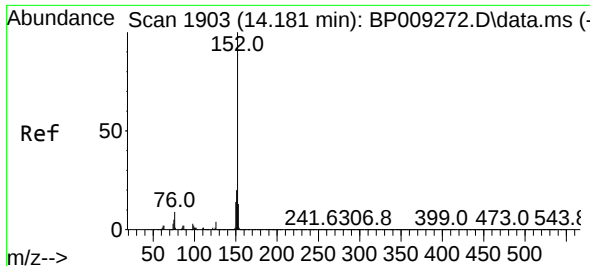
Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 22.9 18.6 27.8

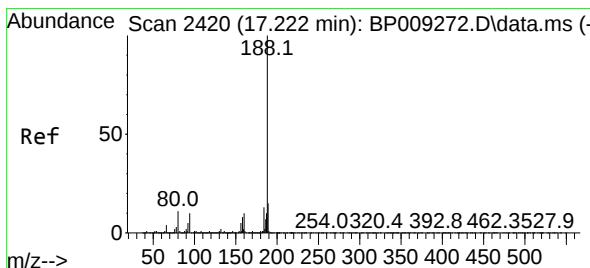
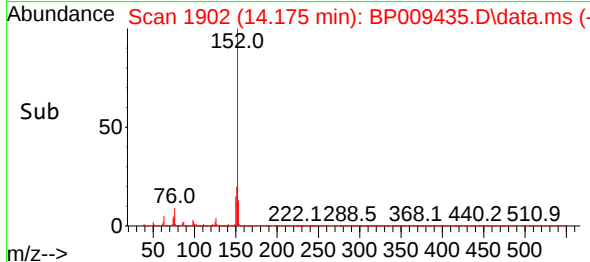
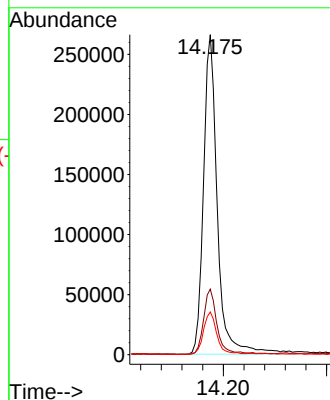
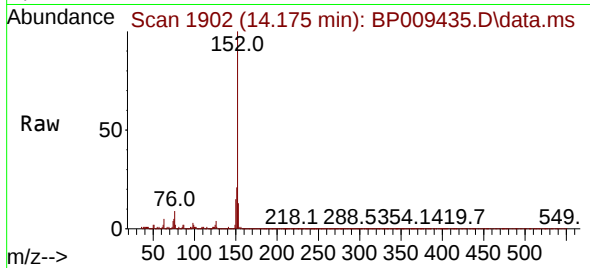




#49
Acenaphthylene
Concen: 2.799 ng
RT: 14.175 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

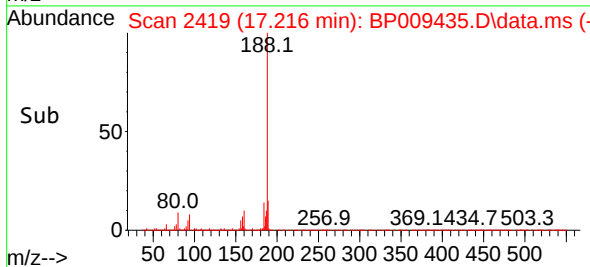
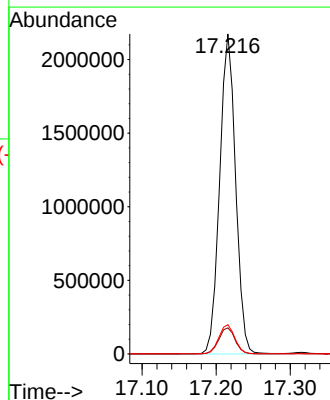
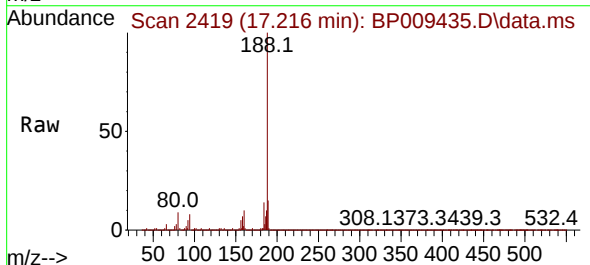
Instrument :
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TP1(0-10)RE

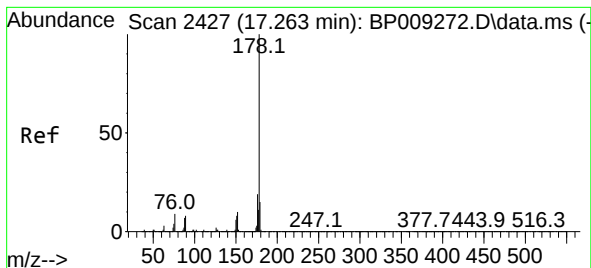
Tgt Ion:152 Resp: 491846
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 13.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:188 Resp: 3242971
Ion Ratio Lower Upper
188 100
94 8.1 7.9 11.9
80 9.1 8.8 13.2





#71

Phenanthrene

Concen: 9.364 ng

RT: 17.257 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

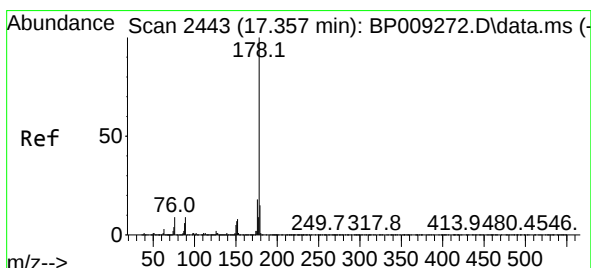
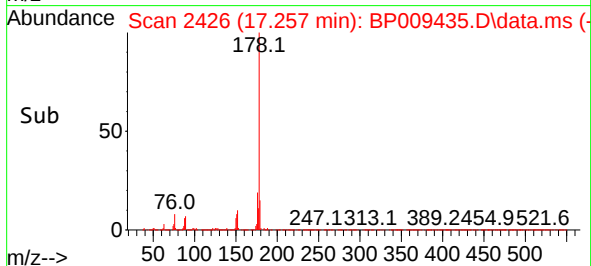
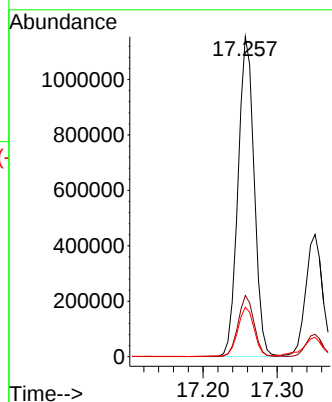
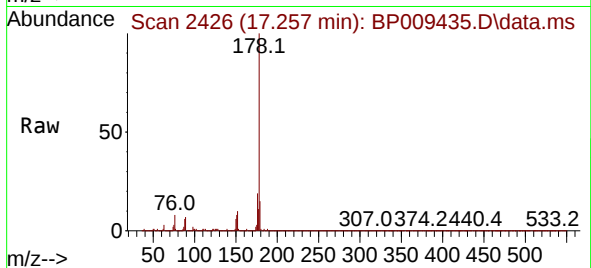
Tgt Ion:178 Resp: 1745242

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.5 12.3 18.5



#72

Anthracene

Concen: 3.701 ng

RT: 17.351 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

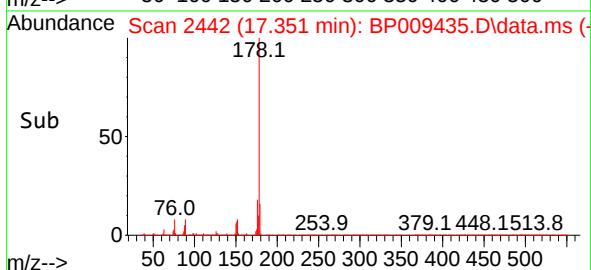
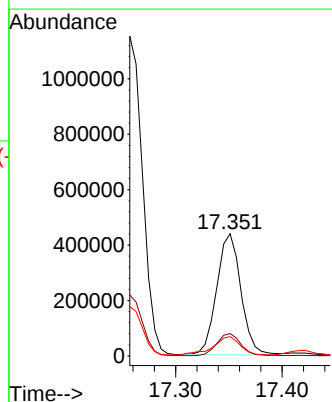
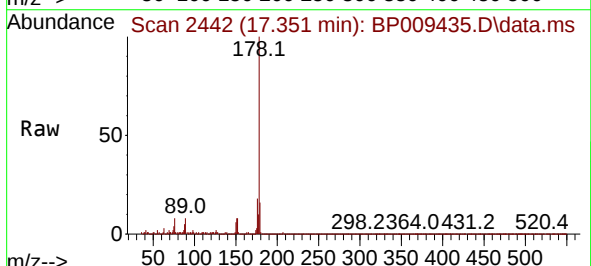
Tgt Ion:178 Resp: 686630

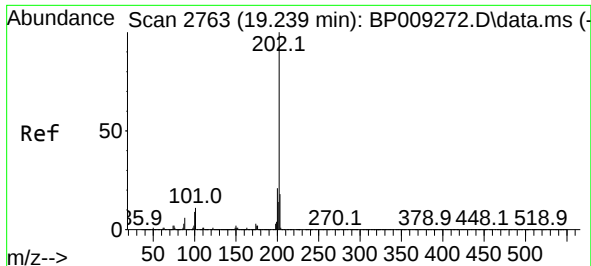
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.9 12.2 18.4

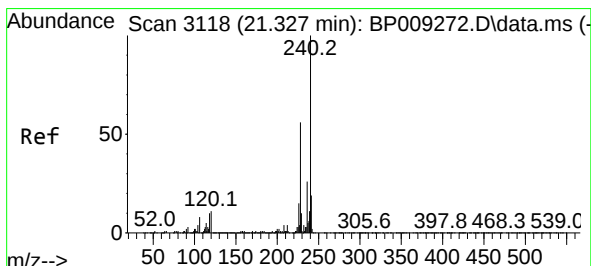
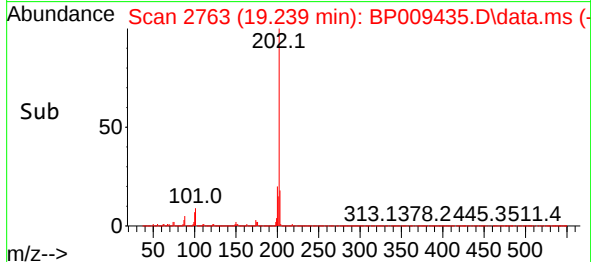
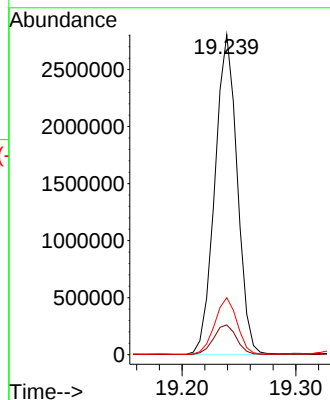
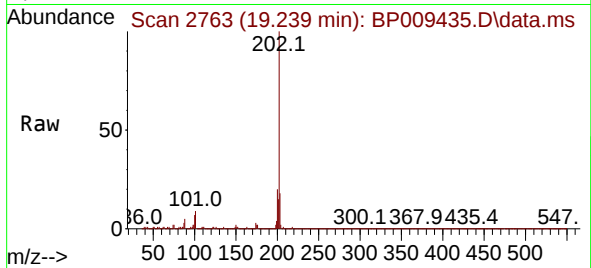




#75
Fluoranthene
Concen: 17.786 ng
RT: 19.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

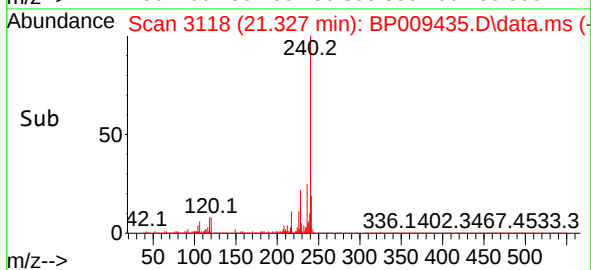
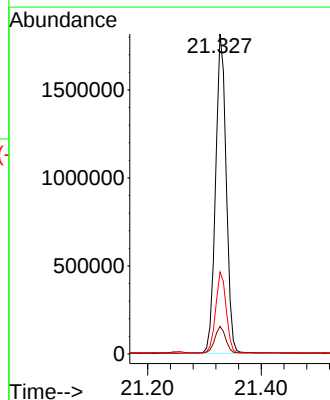
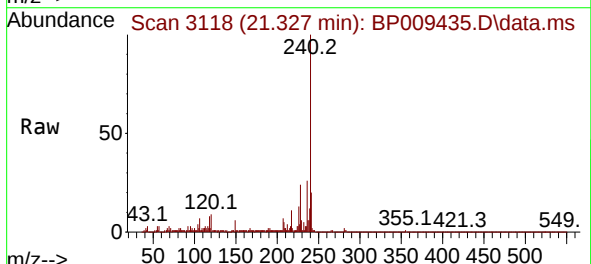
Instrument :
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TP1(0-10)RE

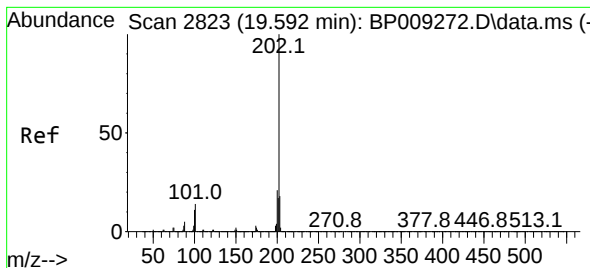
Tgt Ion:202 Resp: 3826165
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.5
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:240 Resp: 2351815
Ion Ratio Lower Upper
240 100
120 8.6 9.0 13.4#
236 25.6 20.6 30.8





#78

Pyrene

Concen: 20.940 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.000 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

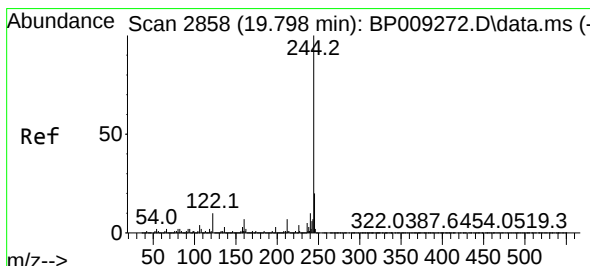
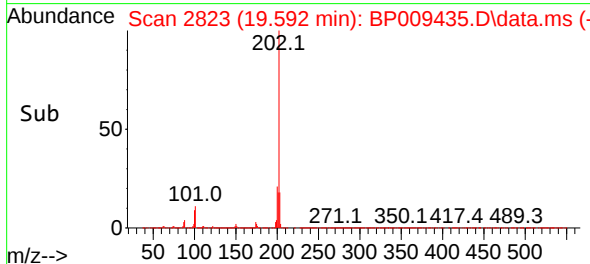
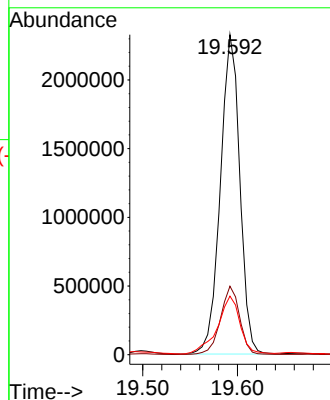
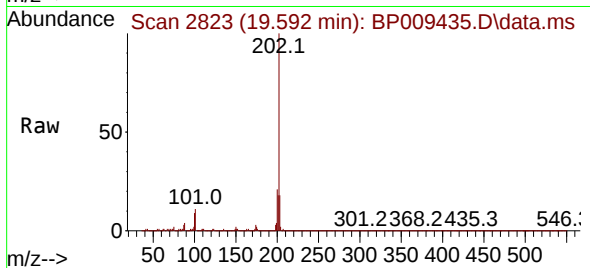
Tgt Ion:202 Resp: 3325039

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.3 14.2 21.4



#79

Terphenyl-d14

Concen: 25.254 ng

RT: 19.792 min Scan# 2857

Delta R.T. -0.006 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

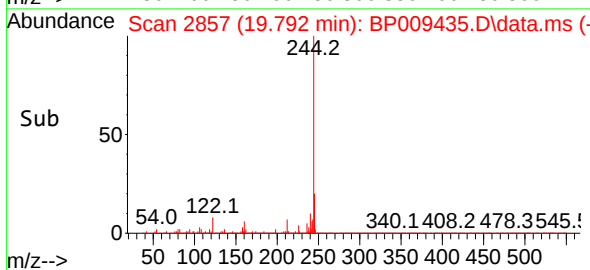
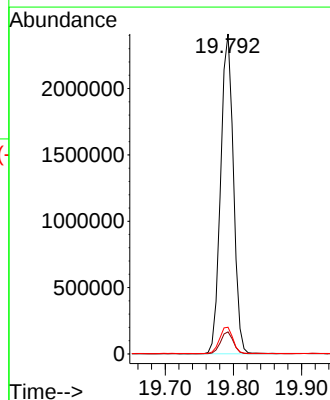
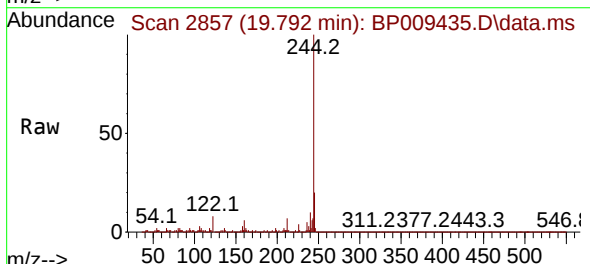
Tgt Ion:244 Resp: 3147257

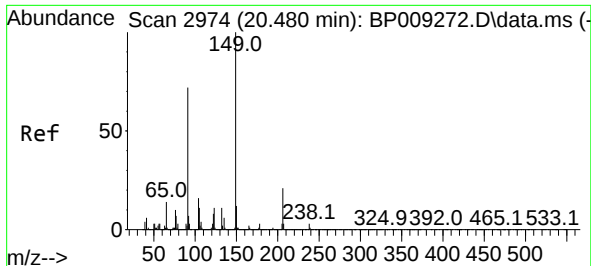
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 8.3 8.3 12.5

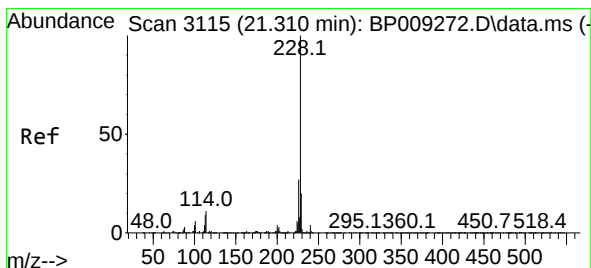
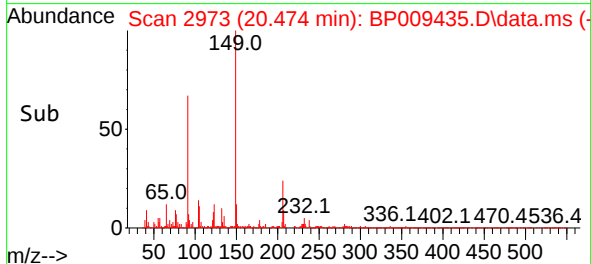
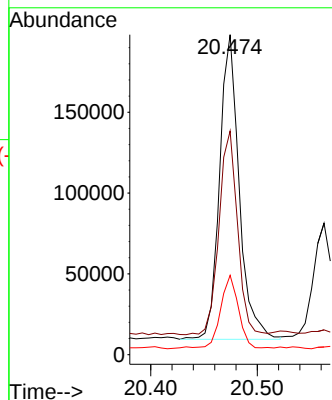
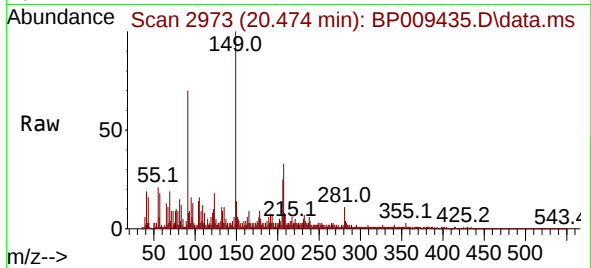




#80
Butylbenzylphthalate
Concen: 4.200 ng
RT: 20.474 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

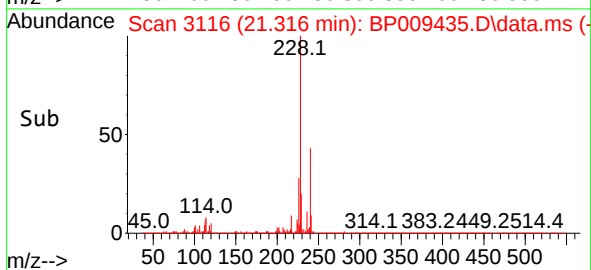
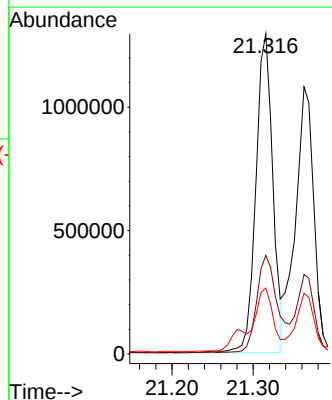
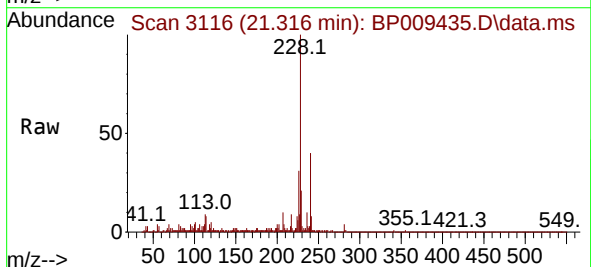
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

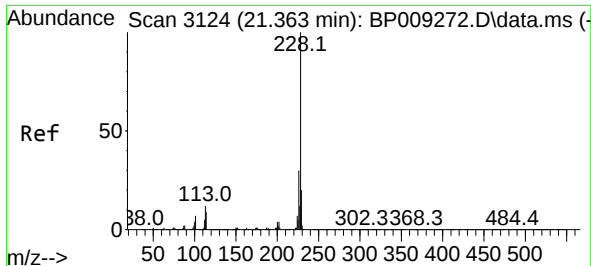
Tgt Ion:149 Resp: 240738
Ion Ratio Lower Upper
149 100
91 69.9 57.9 86.9
206 24.8 16.9 25.3



#81
Benzo(a)anthracene
Concen: 11.735 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:228 Resp: 1870554
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 20.6 16.1 24.1





#83

Chrysene

Concen: 10.464 ng

RT: 21.363 min Scan# 3124

Delta R.T. -0.000 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

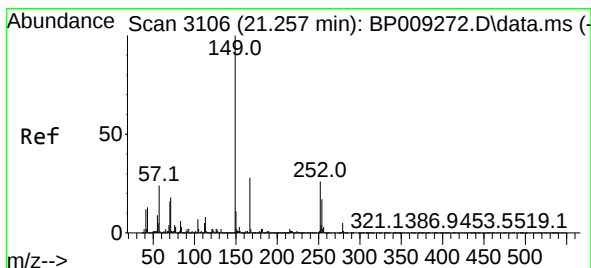
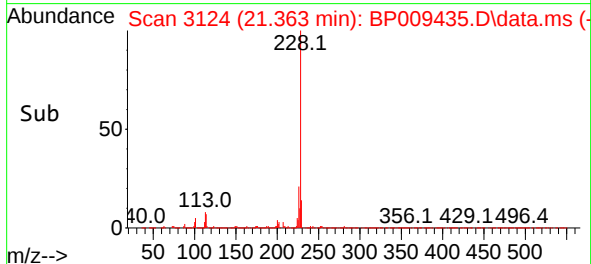
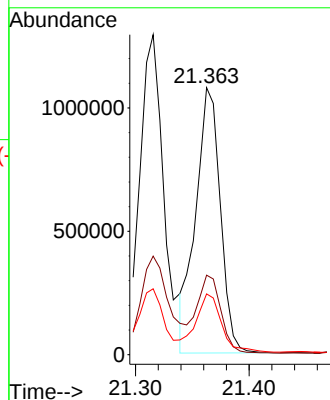
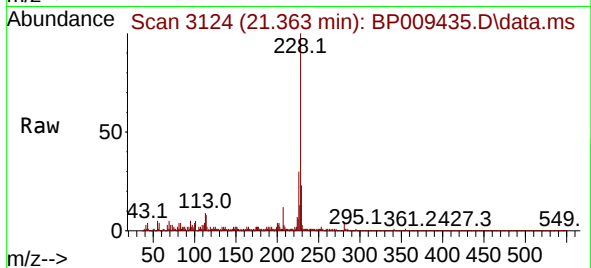
Tgt Ion:228 Resp: 1619559

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

229 22.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 176.972 ng

RT: 21.245 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

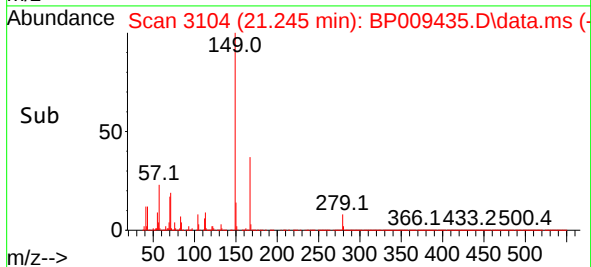
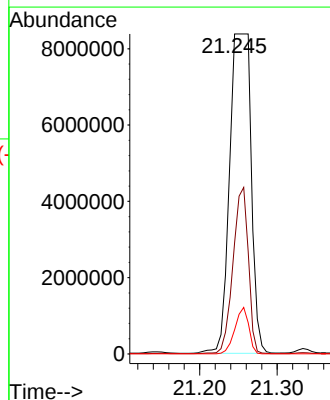
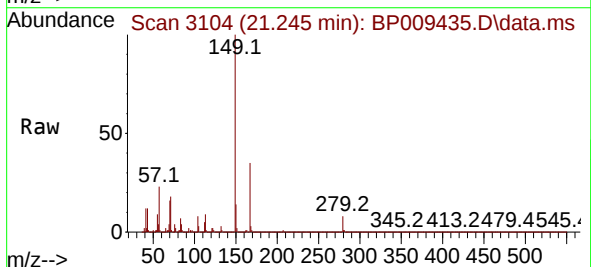
Tgt Ion:149 Resp:16222121

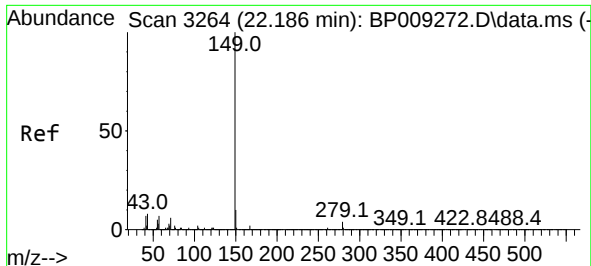
Ion Ratio Lower Upper

149 100

167 34.8 22.6 33.8#

279 7.6 3.8 5.6#

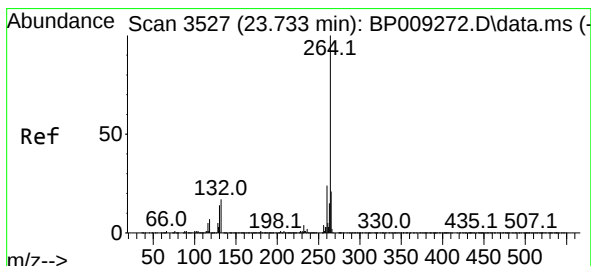
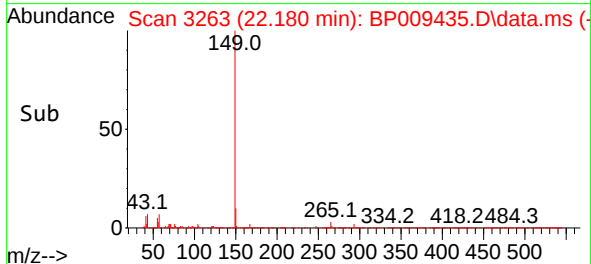
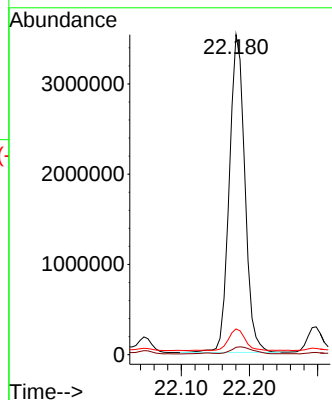
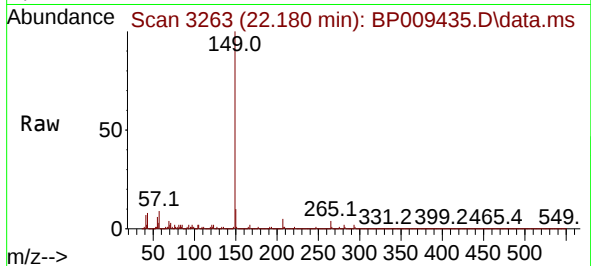




#85
Di-n-octyl phthalate
Concen: 37.346 ng
RT: 22.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

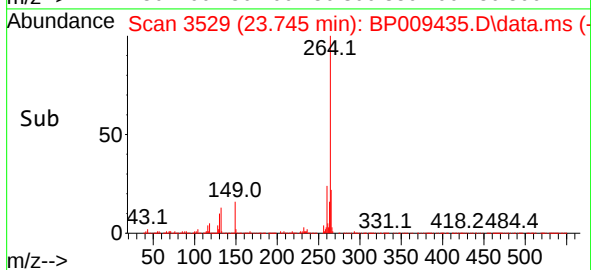
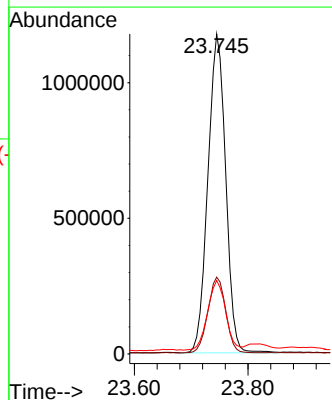
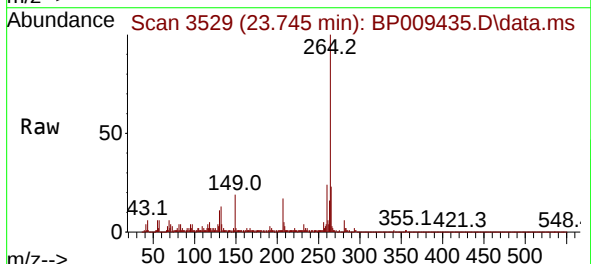
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

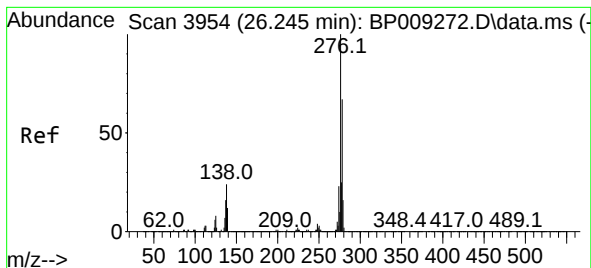
Tgt Ion:149 Resp: 5604799
Ion Ratio Lower Upper
149 100
167 3.0 1.3 1.9#
43 7.0 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3529
Delta R.T. 0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:264 Resp: 2553124
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.867 ng

RT: 26.256 min Scan# 3405

Delta R.T. 0.012 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

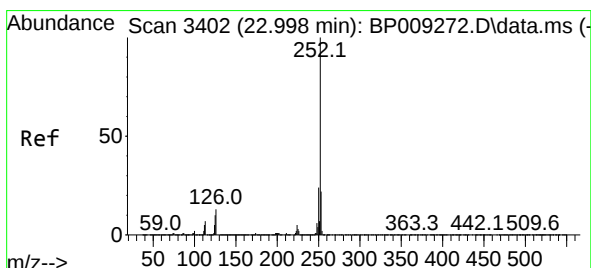
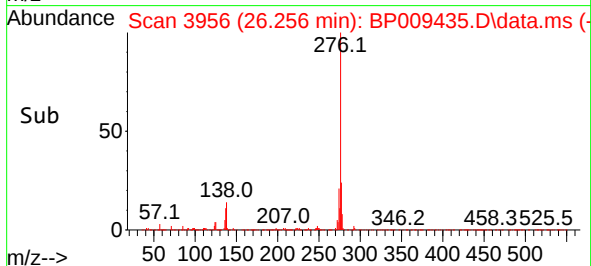
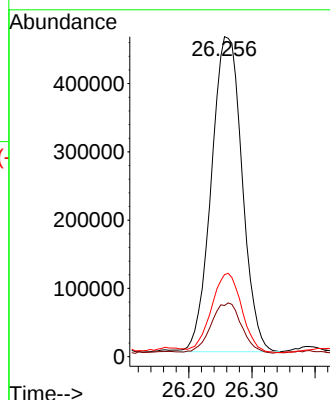
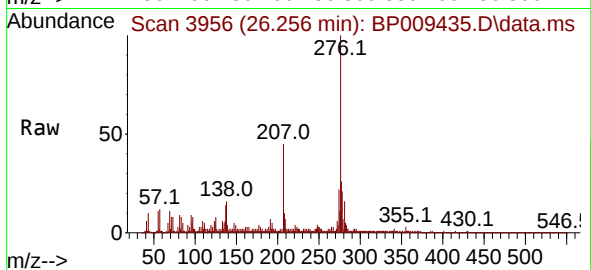
Tgt Ion:276 Resp: 1560464

Ion Ratio Lower Upper

276 100

138 16.2 20.5 30.7#

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 19.744 ng

RT: 23.015 min Scan# 3405

Delta R.T. 0.018 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

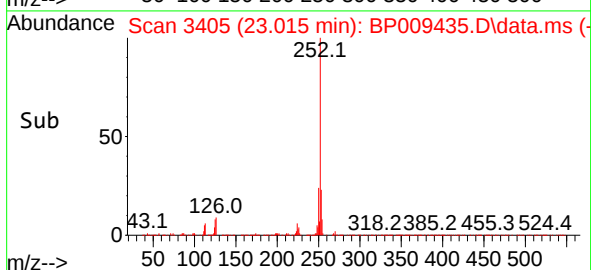
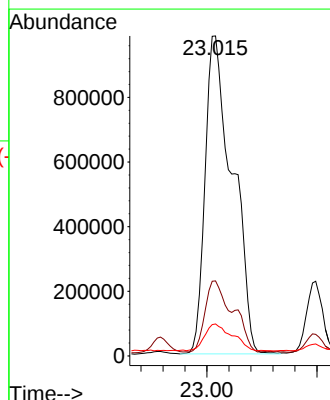
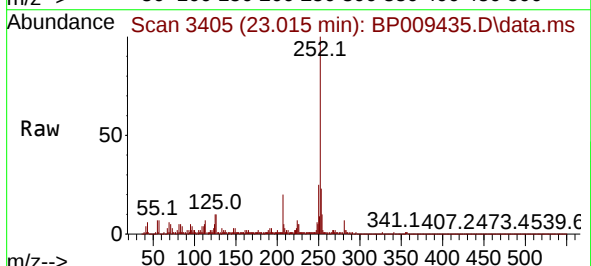
Tgt Ion:252 Resp: 3403616

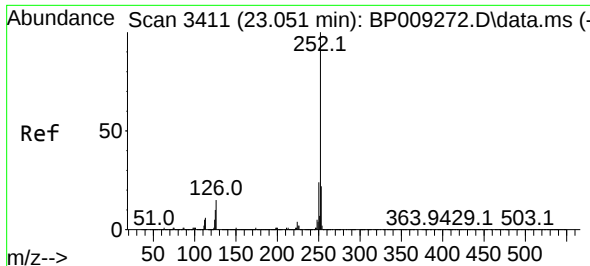
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 10.0 8.1 12.1

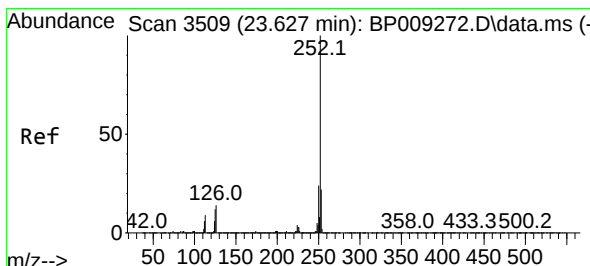
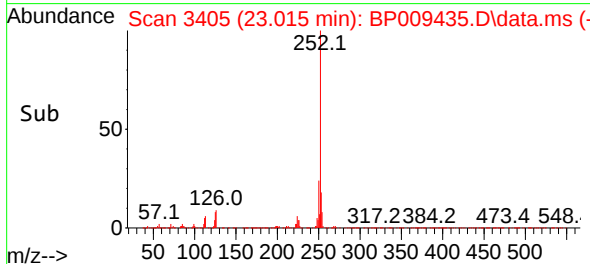
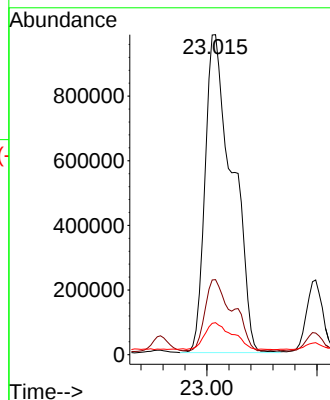
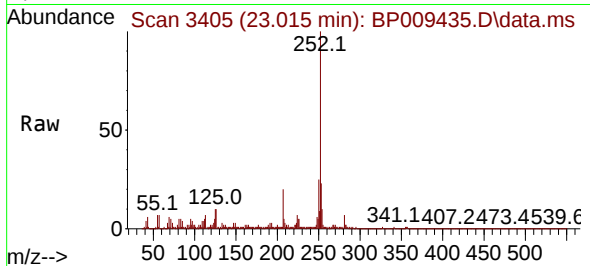




#89
Benzo(k)fluoranthene
Concen: 20.667 ng
RT: 23.015 min Scan# 3411
Delta R.T. -0.035 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

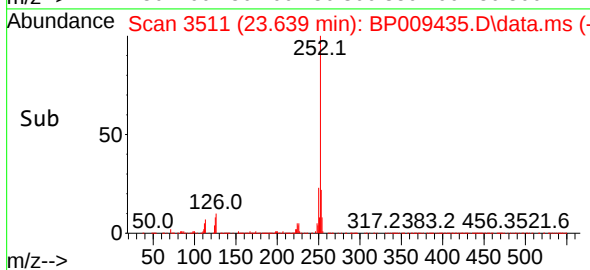
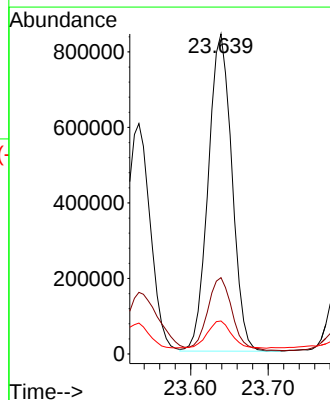
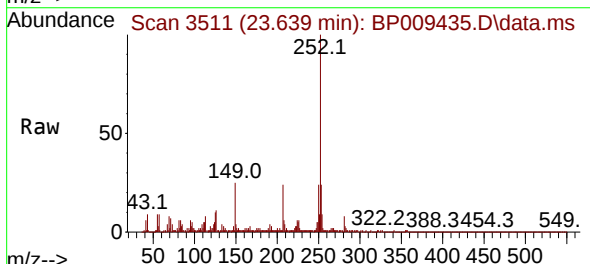
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

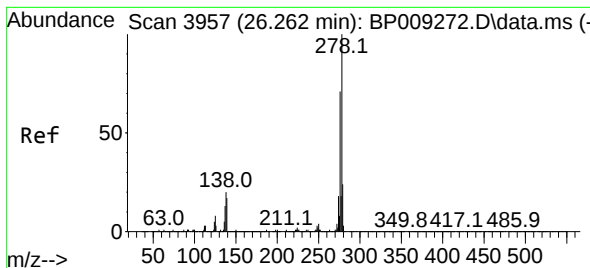
Tgt Ion:252 Resp: 3403616
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 10.897 ng
RT: 23.639 min Scan# 3511
Delta R.T. 0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:252 Resp: 1781569
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.3 9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 2.301 ng

RT: 26.268 min Scan# 3957

Delta R.T. 0.006 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

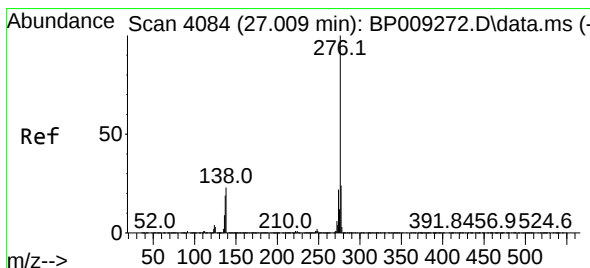
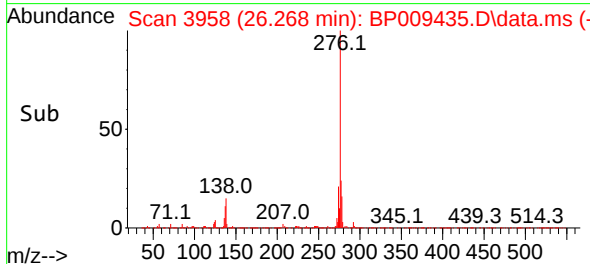
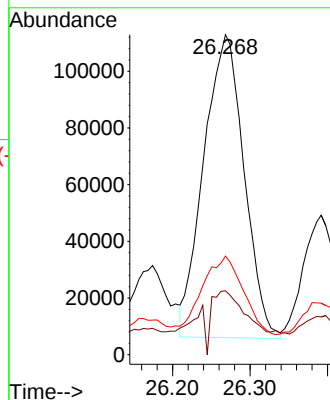
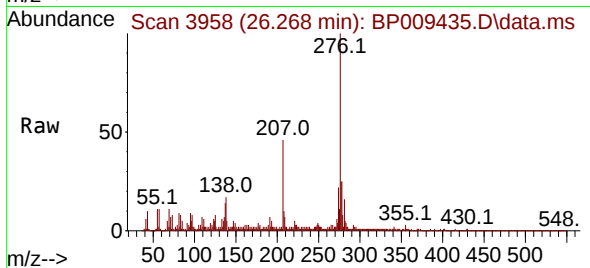
Tgt Ion:278 Resp: 386988

Ion Ratio Lower Upper

278 100

139 19.9 13.2 19.8#

279 30.8 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 9.637 ng

RT: 27.033 min Scan# 4088

Delta R.T. 0.023 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Tgt Ion:276 Resp: 1601351

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 16.8 18.0 27.0#

