

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021612.D
 Acq On : 22 Aug 2024 13:39
 Operator : RC/JU
 Sample : P3671-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-905-KJ-SO-0-0.5-081924-FD

Quant Time: Aug 22 14:17:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 11:12:31 2024
 Response via : Initial Calibration

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

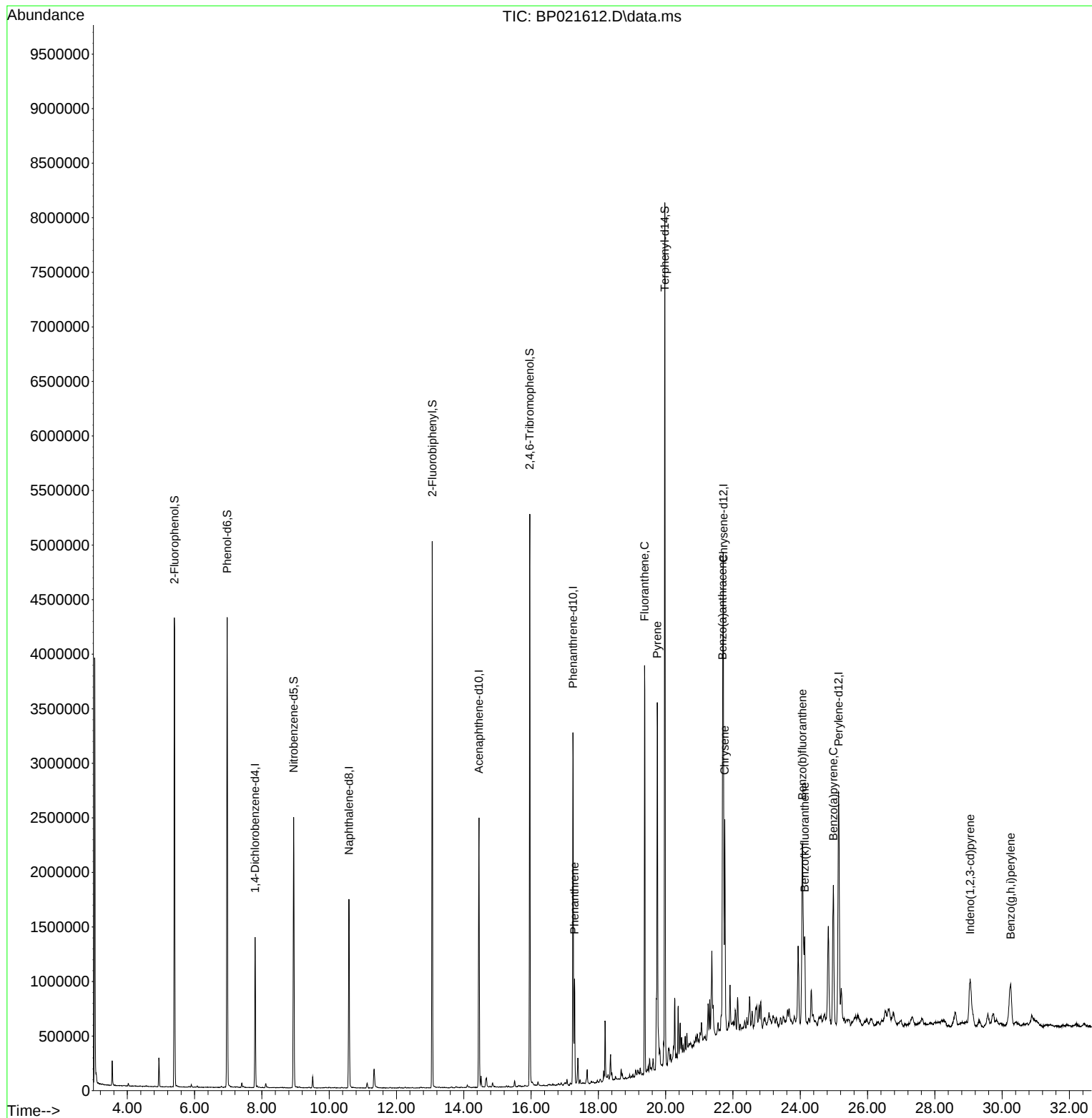
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	345383	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1403128	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	909066	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1936346	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1922277	20.000	ng	0.00
86) Perylene-d12	25.139	264	2252156	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	1976221	84.961	ng	0.00
7) Phenol-d6	6.969	99	2850393	84.005	ng	0.00
23) Nitrobenzene-d5	8.946	82	1624670	59.765	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	938905	92.800	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2269948	38.108	ng	0.01
79) Terphenyl-d14	19.975	244	3959259	40.014	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.292	178	627601	6.739	ng	99
75) Fluoranthene	19.375	202	2164528	18.944	ng	99
78) Pyrene	19.751	202	2045955	16.284	ng	99
81) Benzo(a)anthracene	21.692	228	1505303	12.474	ng	99
83) Chrysene	21.757	228	1309639	11.495	ng	98
87) Indeno(1,2,3-cd)pyrene	29.051	276	817065	5.597	ng	# 91
88) Benzo(b)fluoranthene	24.063	252	2074438	16.038	ng	98
89) Benzo(k)fluoranthene	24.133	252	598227	4.741	ng	97
90) Benzo(a)pyrene	24.986	252	1364556	12.157	ng	97
92) Benzo(g,h,i)perylene	30.256	276	709065	5.832	ng	97

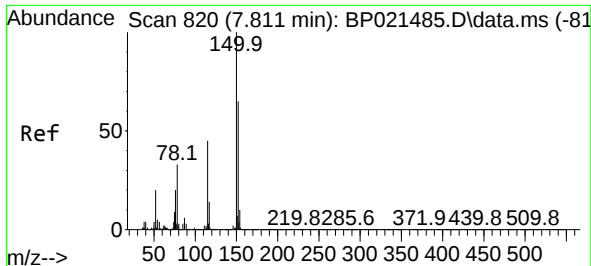
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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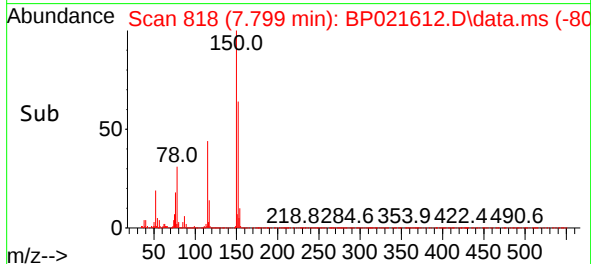
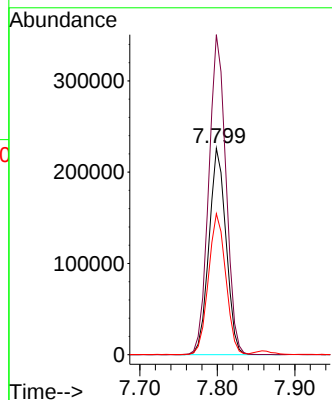
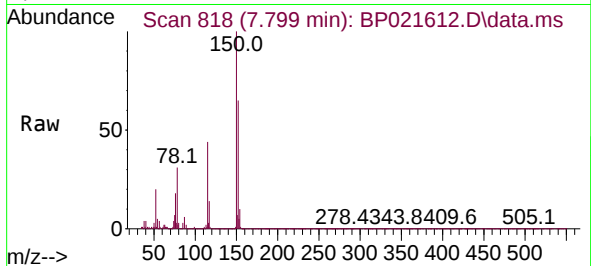




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

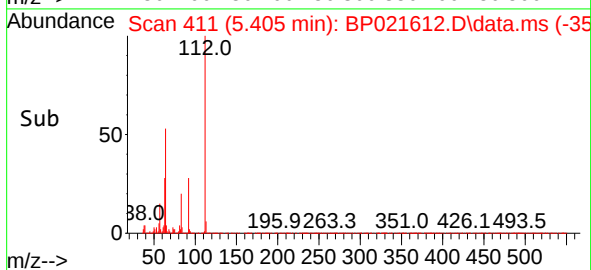
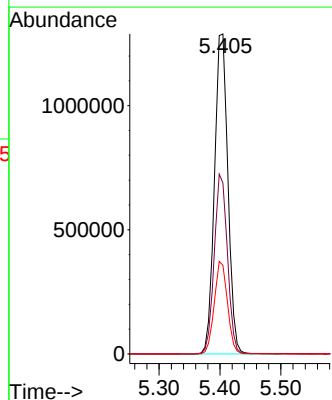
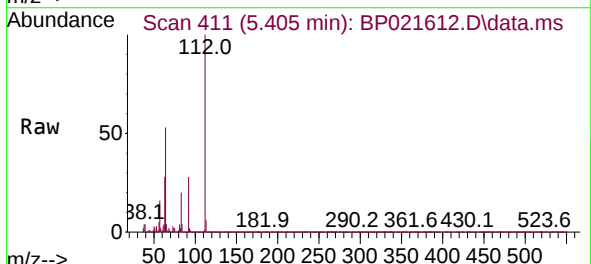
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:152 Resp: 345383
Ion Ratio Lower Upper
152 100
150 155.0 122.4 183.6
115 68.3 54.7 82.1



#5
2-Fluorophenol
Concen: 84.961 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:112 Resp: 1976221
Ion Ratio Lower Upper
112 100
64 53.4 49.0 73.6
63 27.7 24.6 36.8





#7

Phenol-d6

Concen: 84.005 ng

RT: 6.969 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

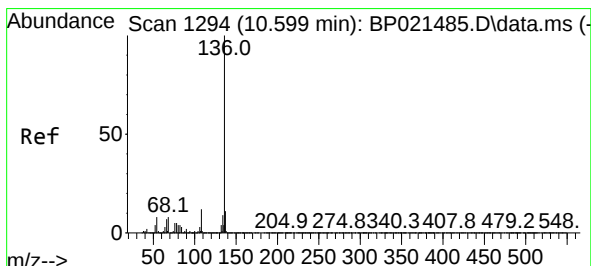
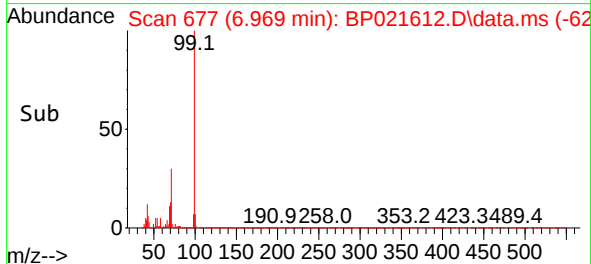
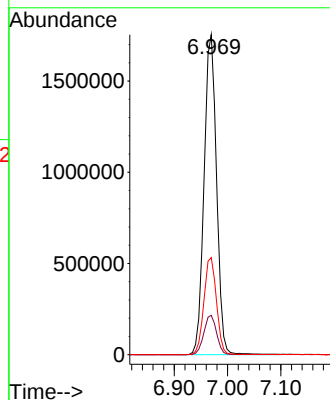
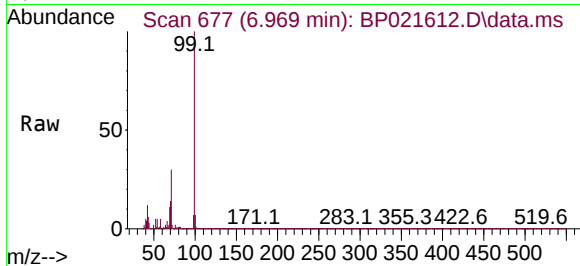
BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion: 99 Resp: 2850393

Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	30.4	25.8	38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.587 min Scan# 1292

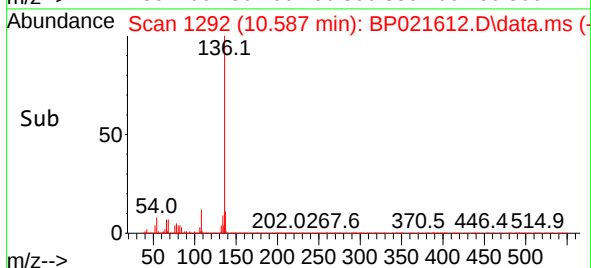
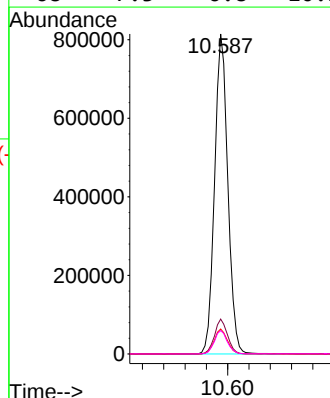
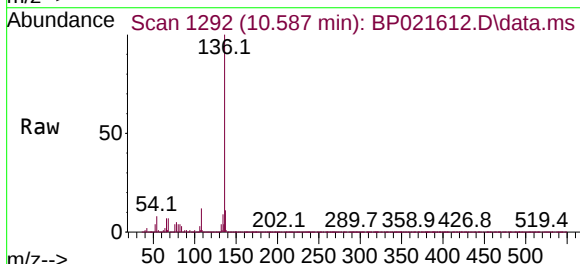
Delta R.T. -0.000 min

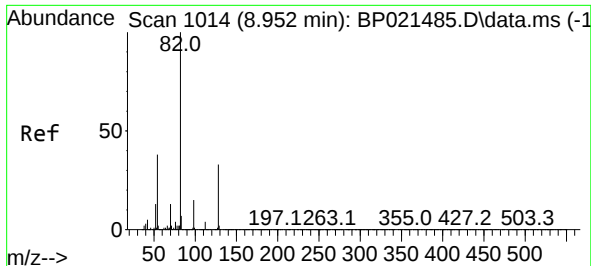
Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Tgt Ion:136 Resp: 1403128

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.8	6.3	9.5
68	7.3	6.8	10.2





#23

Nitrobenzene-d5

Concen: 59.765 ng

RT: 8.946 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

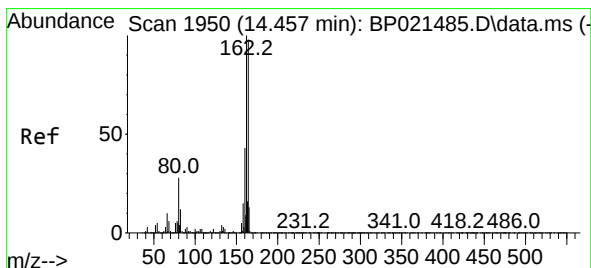
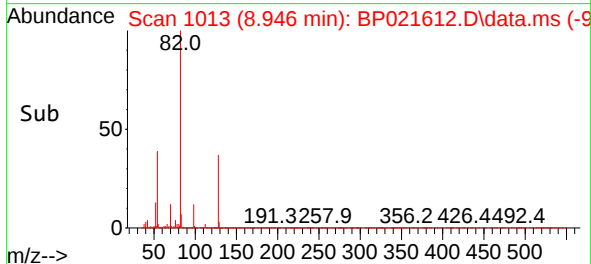
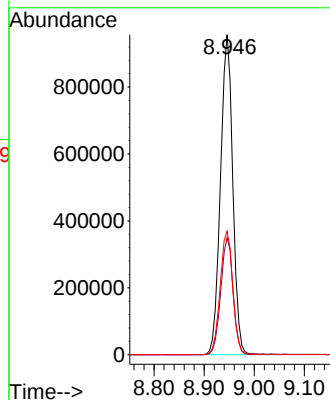
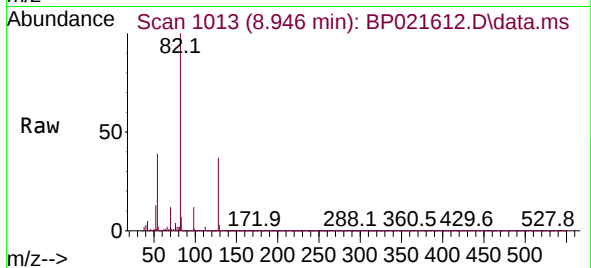
Tgt Ion: 82 Resp: 1624670

Ion Ratio Lower Upper

82 100

128 36.5 26.5 39.7

54 38.6 30.3 45.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. 0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

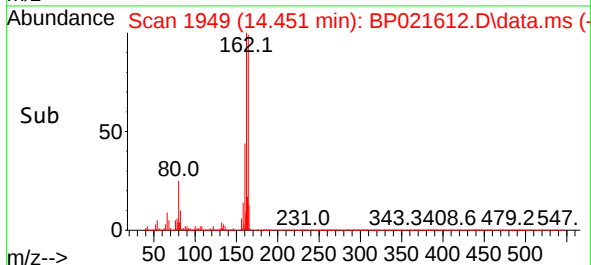
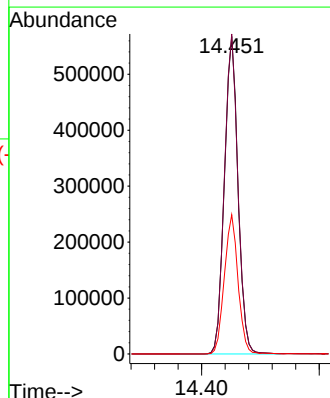
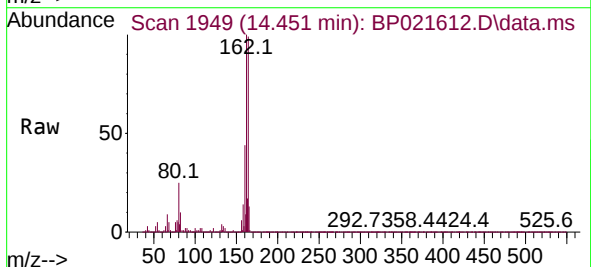
Tgt Ion:164 Resp: 909066

Ion Ratio Lower Upper

164 100

162 100.7 81.5 122.3

160 43.8 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 92.800 ng

RT: 15.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

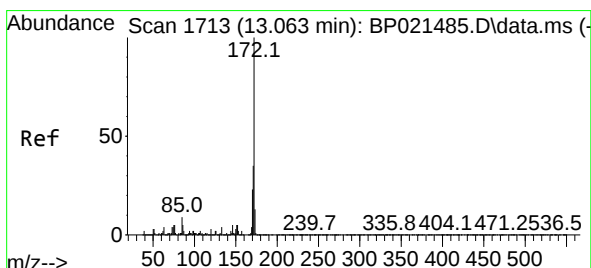
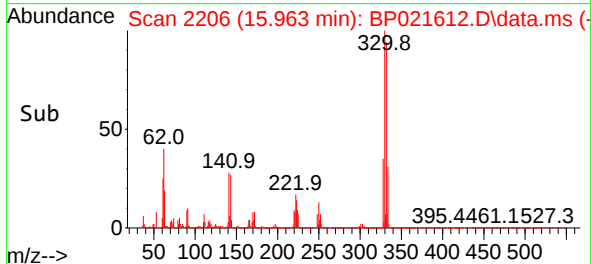
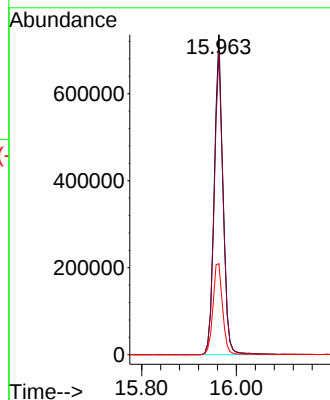
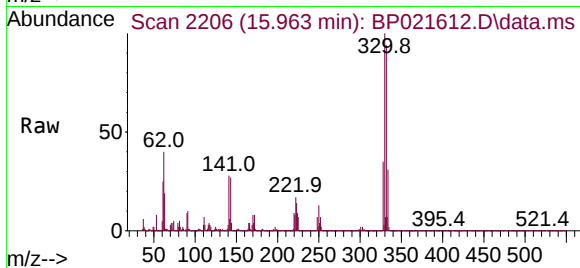
Tgt Ion:330 Resp: 938905

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

141 31.6 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 38.108 ng

RT: 13.063 min Scan# 1713

Delta R.T. 0.012 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

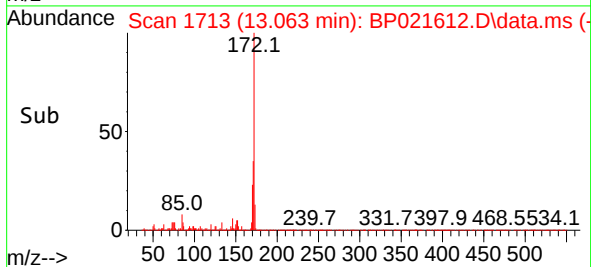
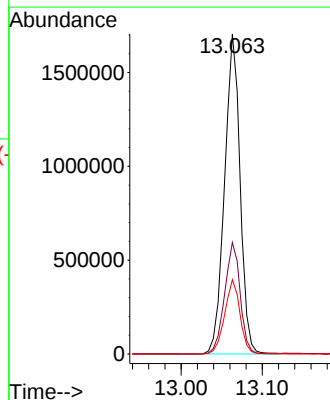
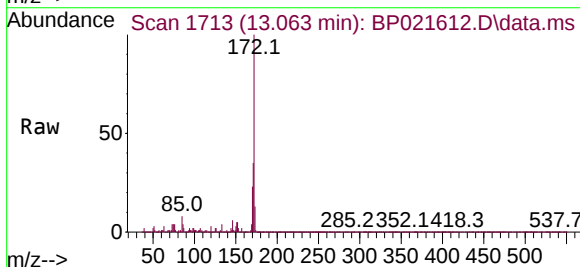
Tgt Ion:172 Resp: 2269948

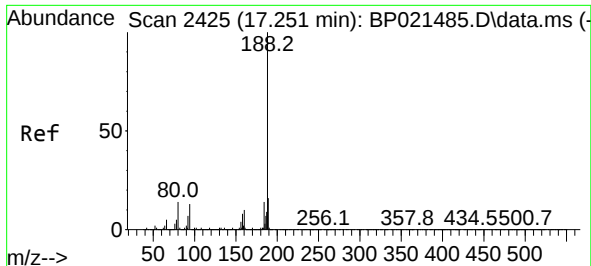
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.2 18.4 27.6

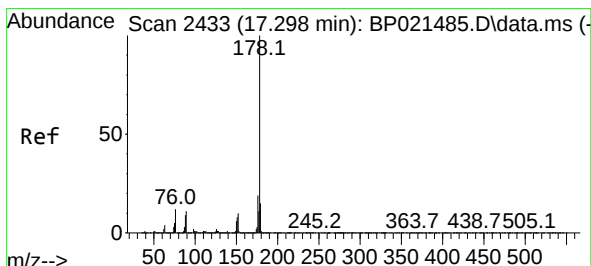
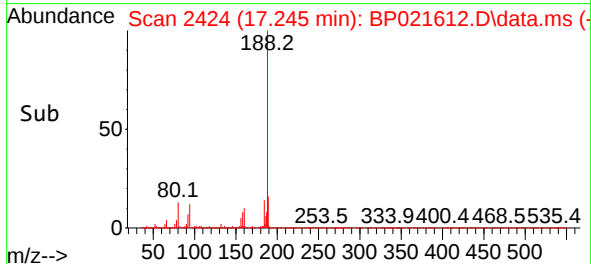
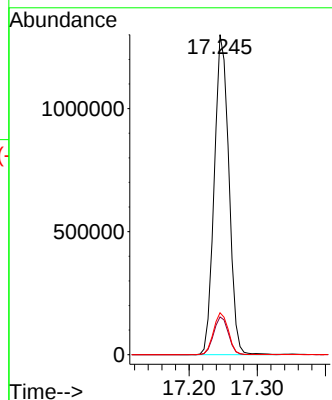
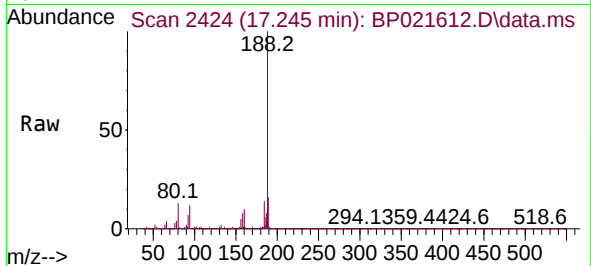




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

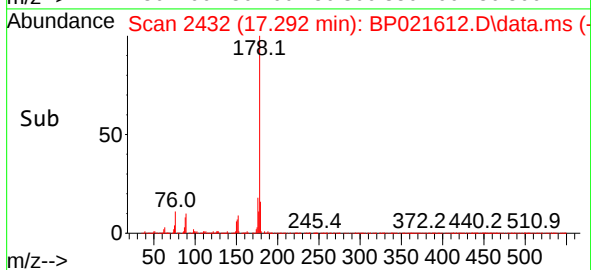
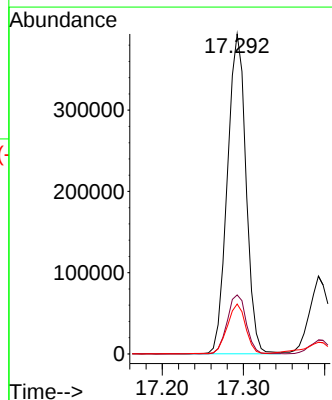
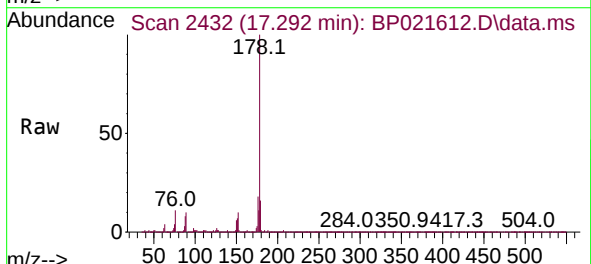
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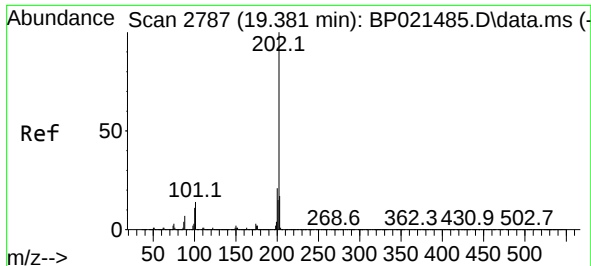
Tgt Ion:188 Resp: 1936346
Ion Ratio Lower Upper
188 100
94 11.8 10.2 15.4
80 13.1 11.6 17.4



#71
Phenanthrene
Concen: 6.739 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:178 Resp: 627601
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.6 12.4 18.6

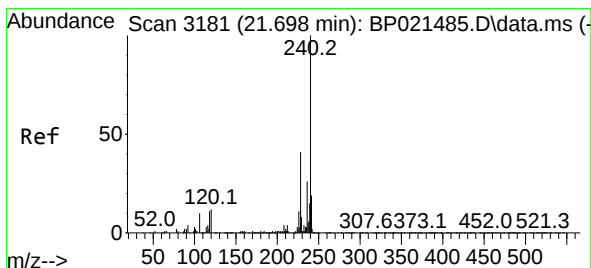
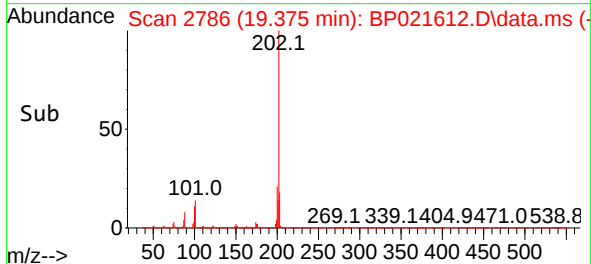
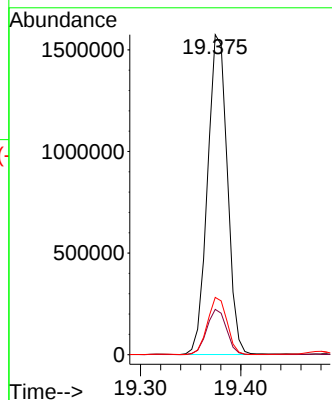
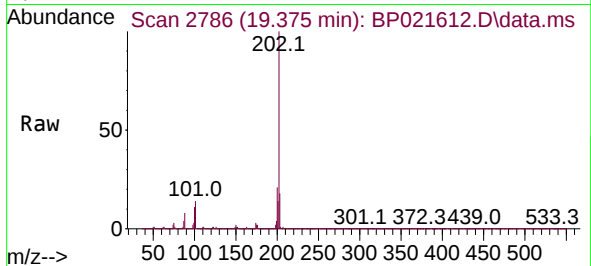




#75
Fluoranthene
Concen: 18.944 ng
RT: 19.375 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

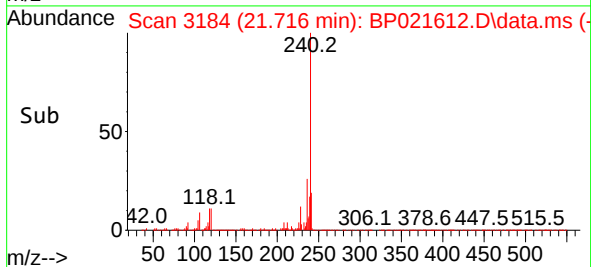
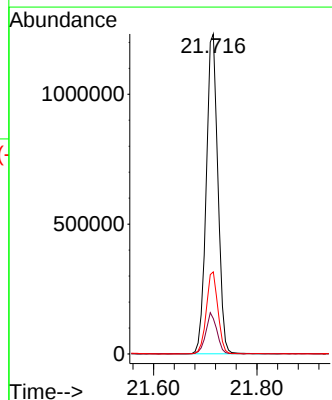
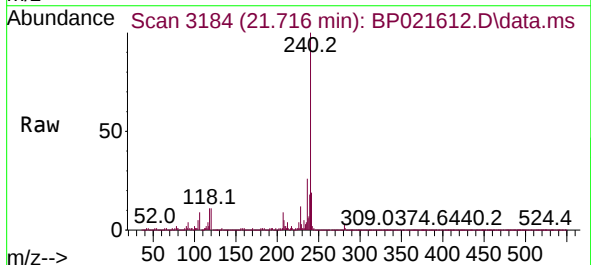
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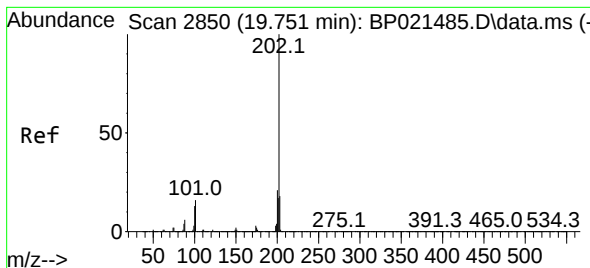
Tgt Ion:202 Resp: 2164528
Ion Ratio Lower Upper
202 100
101 14.2 0.0 34.0
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:240 Resp: 1922277
Ion Ratio Lower Upper
240 100
120 11.1 9.9 14.9
236 25.7 20.6 30.8





#78

Pyrene

Concen: 16.284 ng

RT: 19.751 min Scan# 2850

Delta R.T. -0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

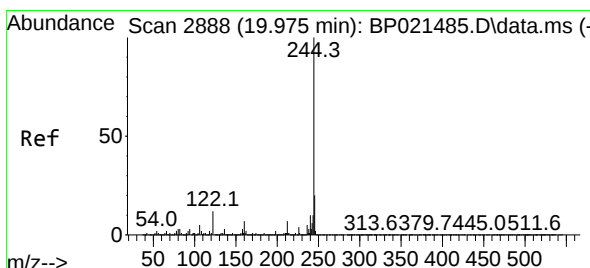
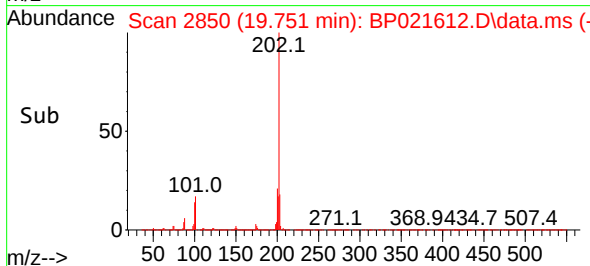
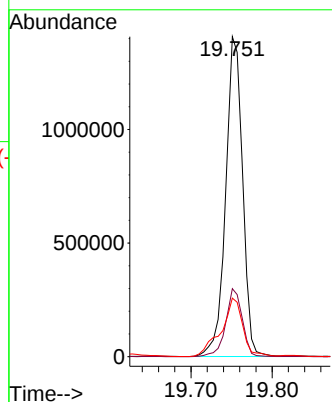
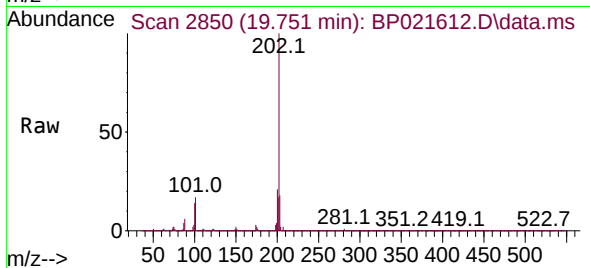
Tgt Ion:202 Resp: 2045955

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 40.014 ng

RT: 19.975 min Scan# 2888

Delta R.T. -0.000 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

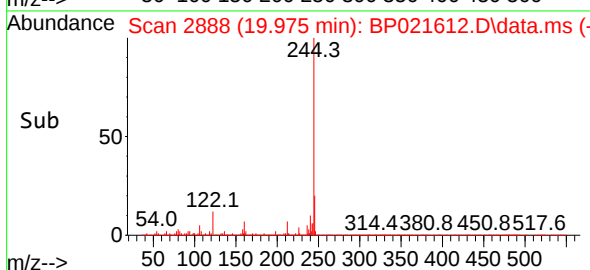
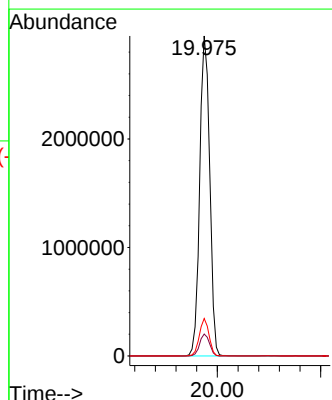
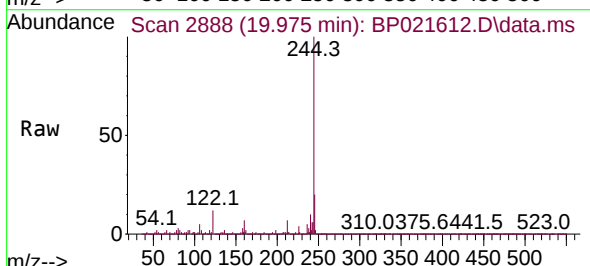
Tgt Ion:244 Resp: 3959259

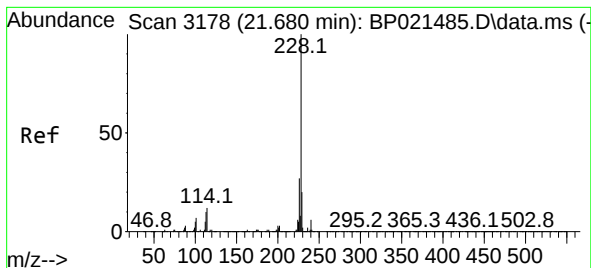
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.7 9.4 14.2





#81

Benzo(a)anthracene

Concen: 12.474 ng

RT: 21.692 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

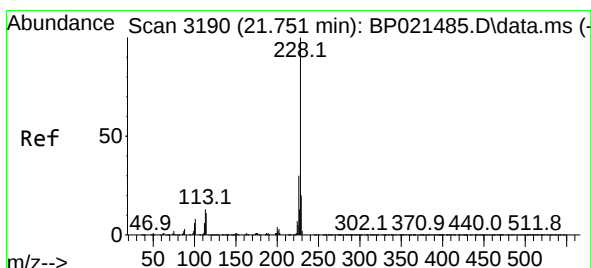
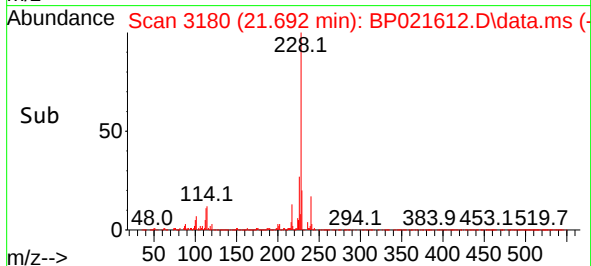
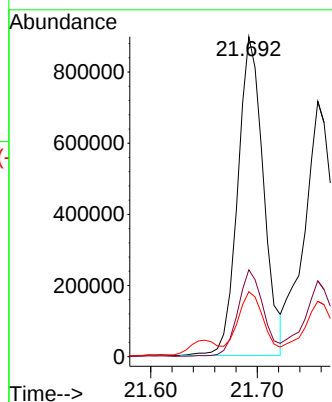
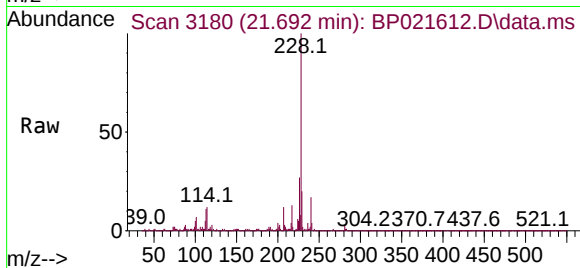
Tgt Ion:228 Resp: 1505303

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

229 20.3 15.8 23.6



#83

Chrysene

Concen: 11.495 ng

RT: 21.757 min Scan# 3191

Delta R.T. -0.012 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

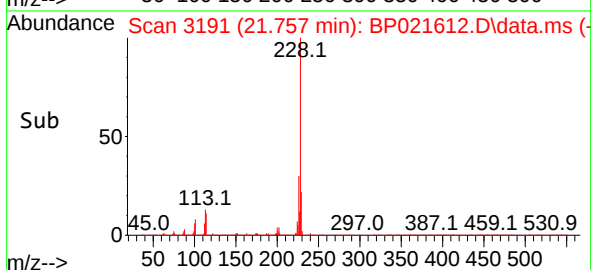
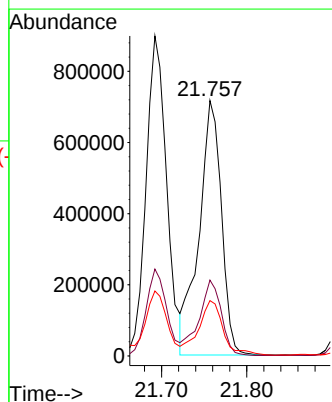
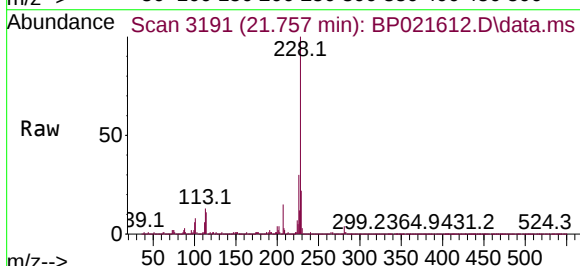
Tgt Ion:228 Resp: 1309639

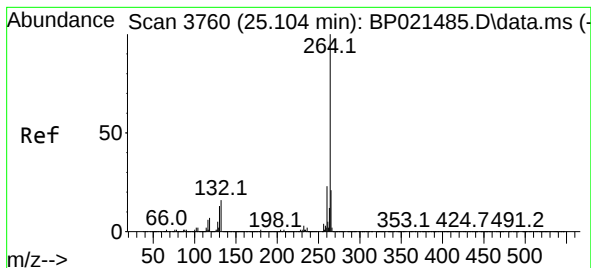
Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.139 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

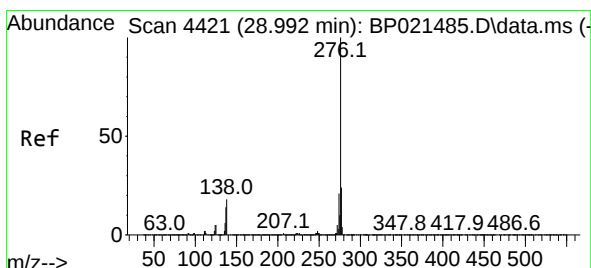
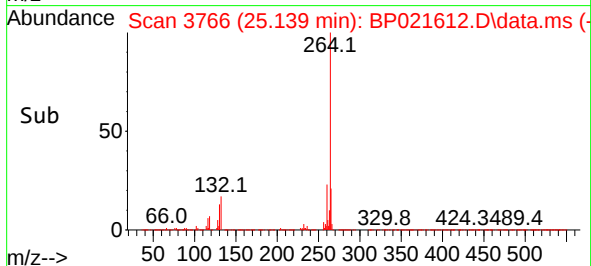
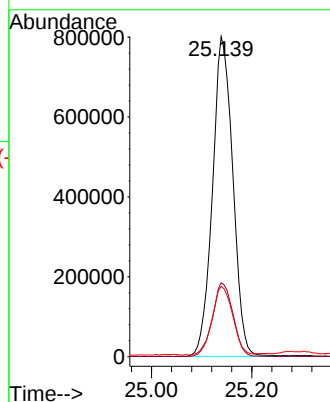
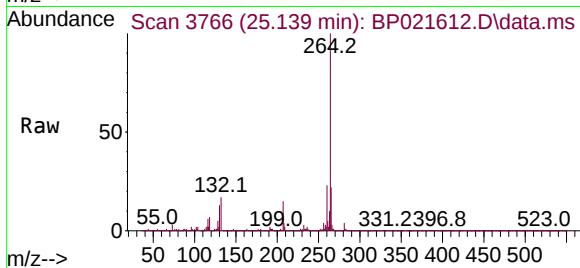
Tgt Ion:264 Resp: 2252156

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 22.0 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.597 ng

RT: 29.051 min Scan# 4431

Delta R.T. -0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

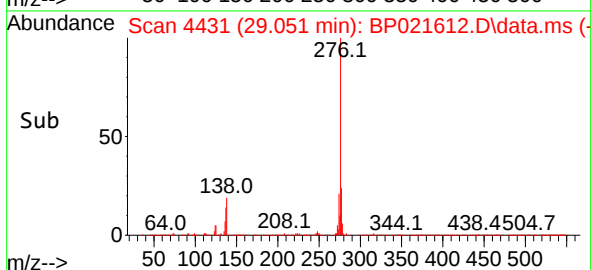
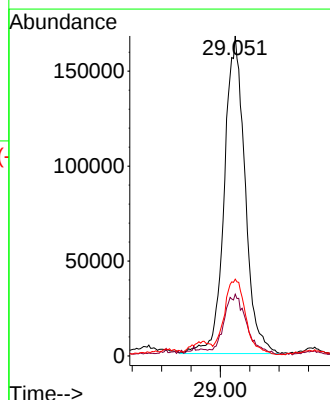
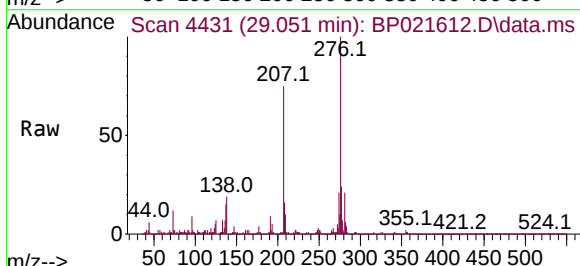
Tgt Ion:276 Resp: 817065

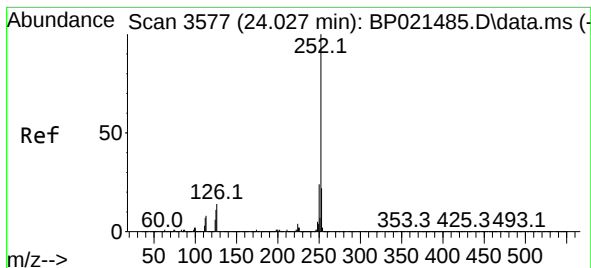
Ion Ratio Lower Upper

276 100

138 20.2 12.8 19.2#

277 24.5 16.5 24.7





#88

Benzo(b)fluoranthene

Concen: 16.038 ng

RT: 24.063 min Scan# 3583

Delta R.T. 0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

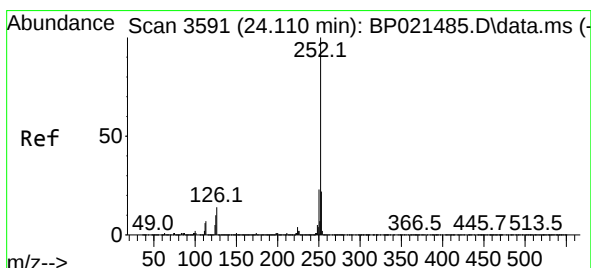
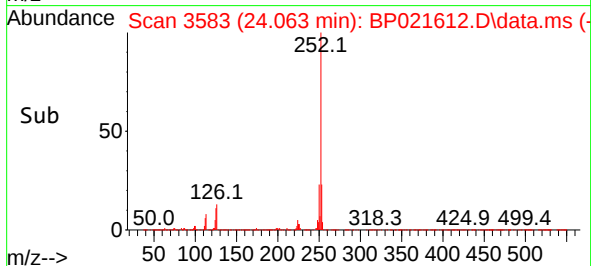
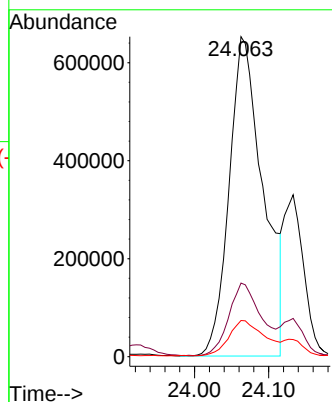
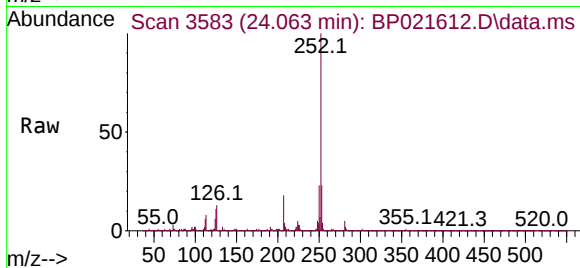
Tgt Ion:252 Resp: 2074438

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 11.3 8.6 13.0



#89

Benzo(k)fluoranthene

Concen: 4.741 ng

RT: 24.133 min Scan# 3595

Delta R.T. -0.000 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

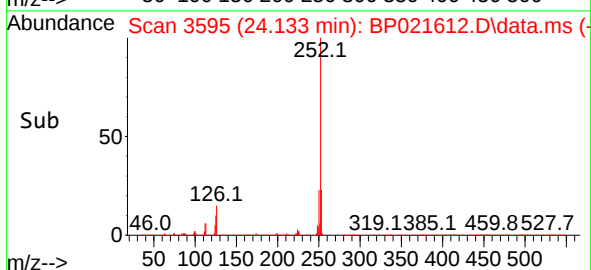
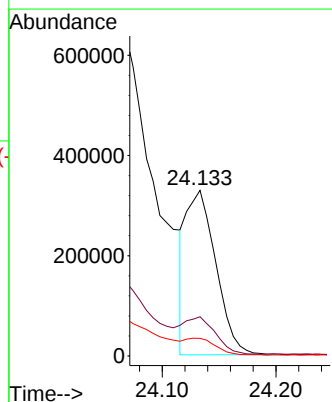
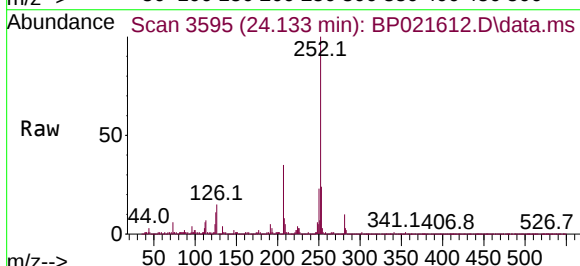
Tgt Ion:252 Resp: 598227

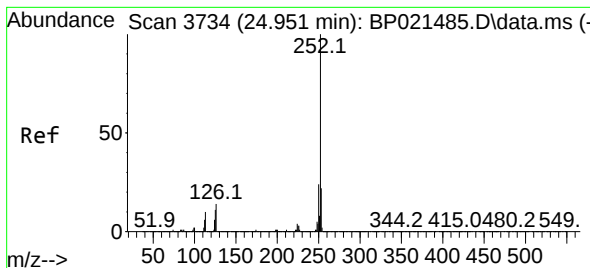
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 10.6 7.8 11.8





#90

Benzo(a)pyrene

Concen: 12.157 ng

RT: 24.986 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924-FD

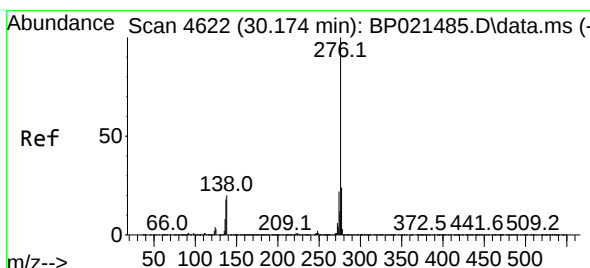
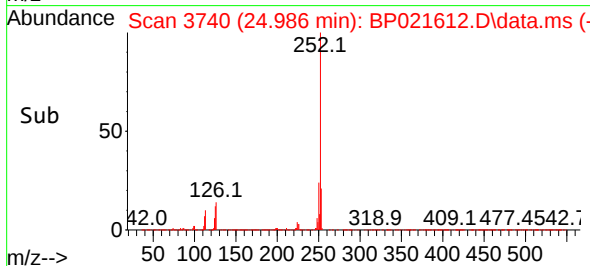
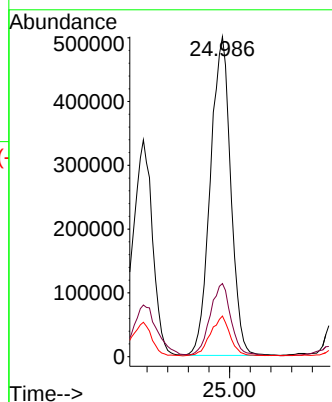
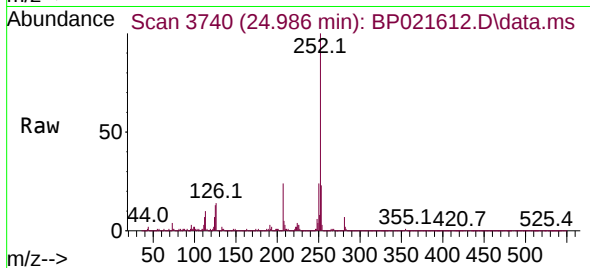
Tgt Ion:252 Resp: 1364556

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.7 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 5.832 ng

RT: 30.256 min Scan# 4636

Delta R.T. -0.006 min

Lab File: BP021612.D

Acq: 22 Aug 2024 13:39

Tgt Ion:276 Resp: 709065

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.6

138 21.6 16.0 24.0

