

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019948.D
 Acq On : 29 Feb 2024 21:21
 Operator : MA/JU
 Sample : P1621-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-022824-B

Quant Time: Mar 01 03:45:12 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)

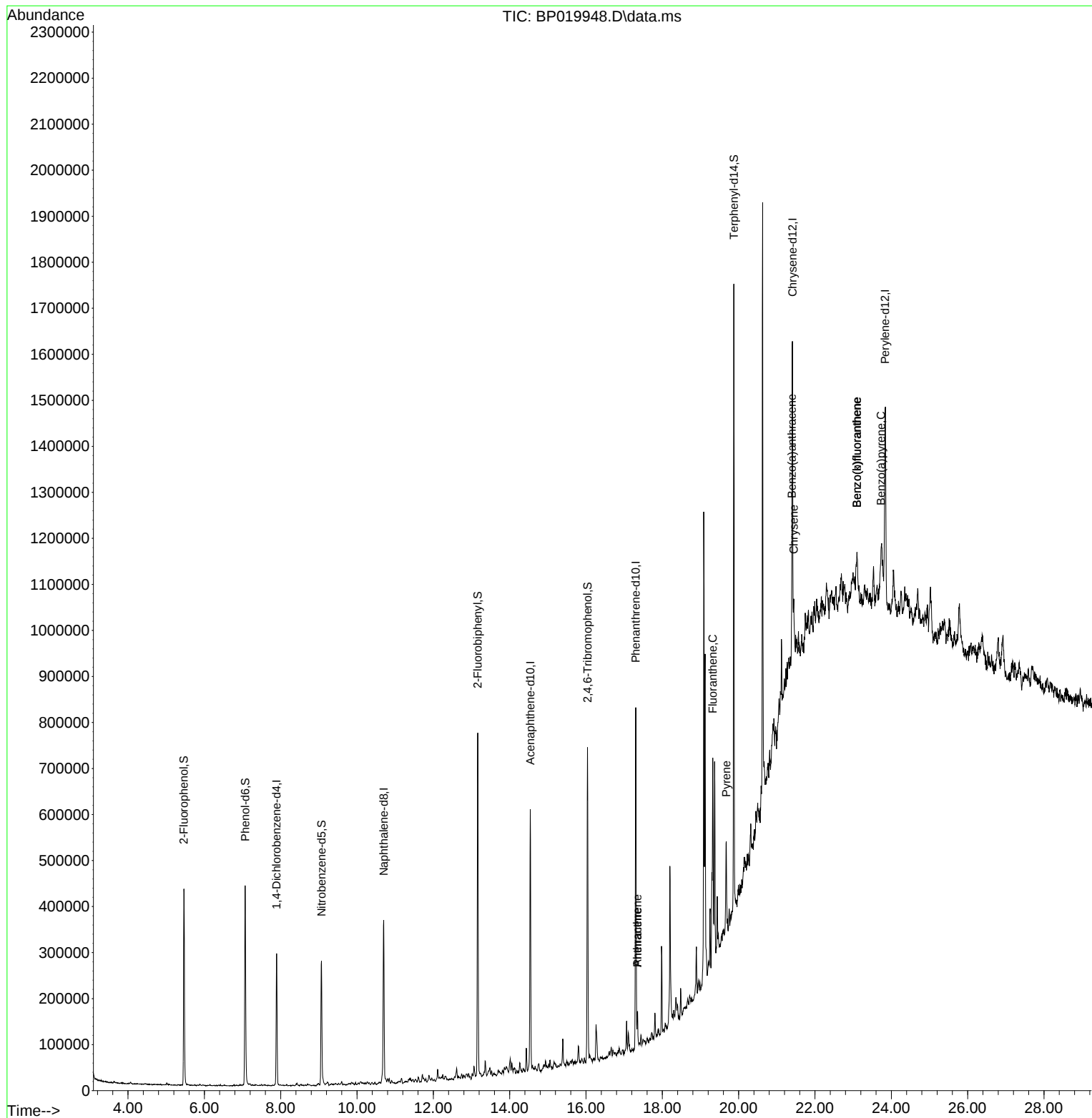
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	80132	20.000	ng	-0.02
21) Naphthalene-d8	10.698	136	296843	20.000	ng	-0.02
39) Acenaphthene-d10	14.539	164	204582	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	451348	20.000	ng	-0.02
76) Chrysene-d12	21.410	240	342549	20.000	ng	-0.02
86) Perylene-d12	23.839	264	381942	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	195493	40.043	ng	-0.02
7) Phenol-d6	7.069	99	256222	35.250	ng	-0.02
23) Nitrobenzene-d5	9.069	82	176235	23.968	ng	-0.02
42) 2,4,6-Tribromophenol	16.039	330	150583	42.927	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	410674	27.122	ng	-0.02
79) Terphenyl-d14	19.874	244	668987	30.782	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.345	178	49916	2.072	ng	97
72) Anthracene	17.345	178	49916	2.030	ng	98
75) Fluoranthene	19.322	202	92752	2.967	ng	98
78) Pyrene	19.674	202	115611	4.912	ng	99
81) Benzo(a)anthracene	21.392	228	50052	2.058	ng	# 80
83) Chrysene	21.445	228	53433	2.345	ng	# 82
88) Benzo(b)fluoranthene	23.098	252	77959	3.329	ng	# 45
89) Benzo(k)fluoranthene	23.098	252	77959	3.395	ng	# 44
90) Benzo(a)pyrene	23.727	252	47192	2.109	ng	# 62

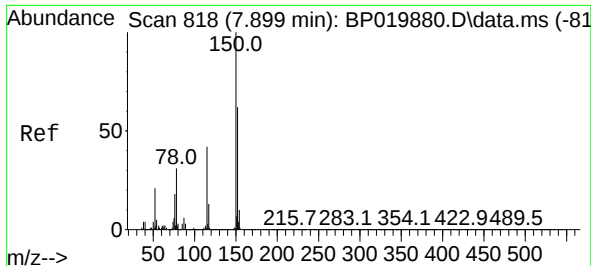
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
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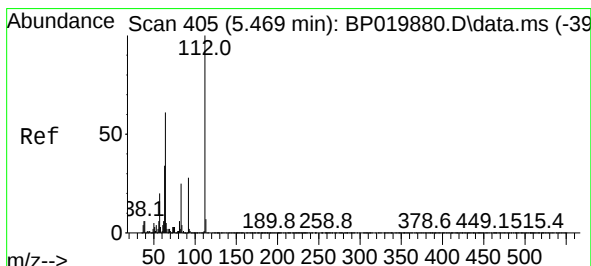
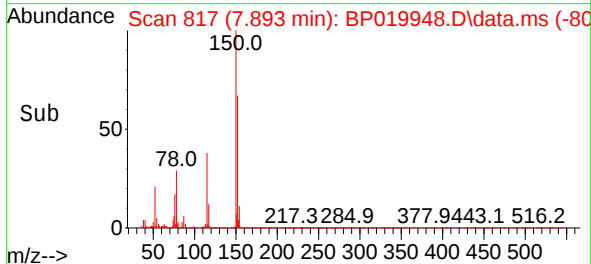
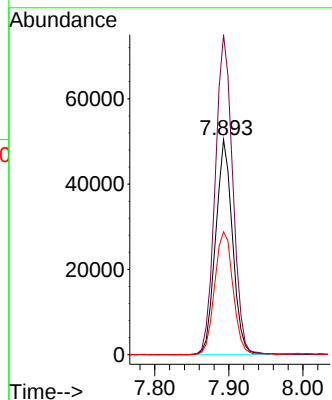
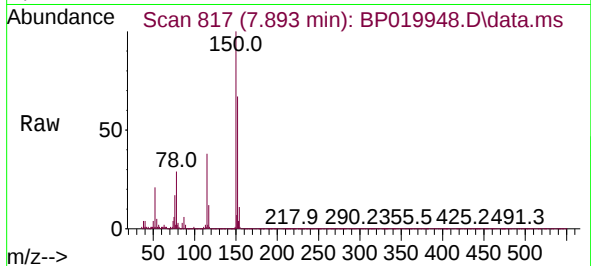




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019948.D
Acq: 29 Feb 2024 21:21

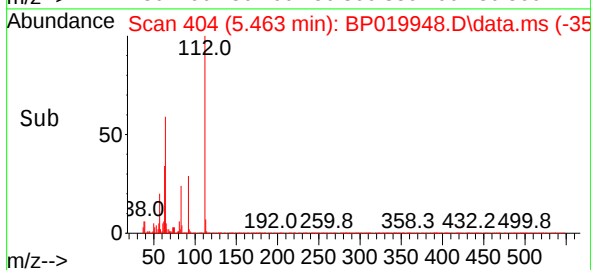
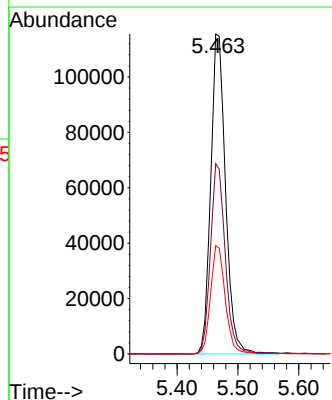
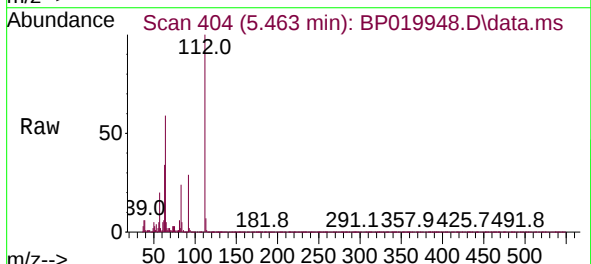
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-B

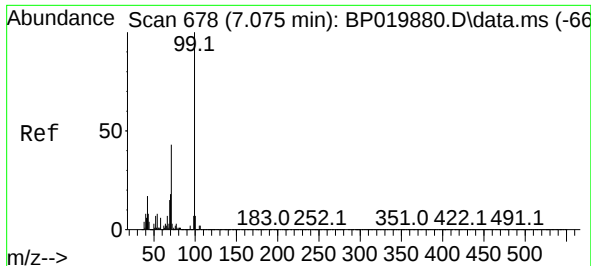
Tgt Ion:152 Resp: 80132
Ion Ratio Lower Upper
152 100
150 148.8 128.6 192.8
115 57.2 53.4 80.2



#5
2-Fluorophenol
Concen: 40.043 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.018 min
Lab File: BP019948.D
Acq: 29 Feb 2024 21:21

Tgt Ion:112 Resp: 195493
Ion Ratio Lower Upper
112 100
64 59.5 49.0 73.6
63 33.9 27.6 41.4

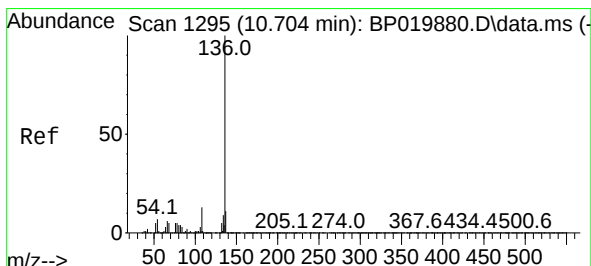
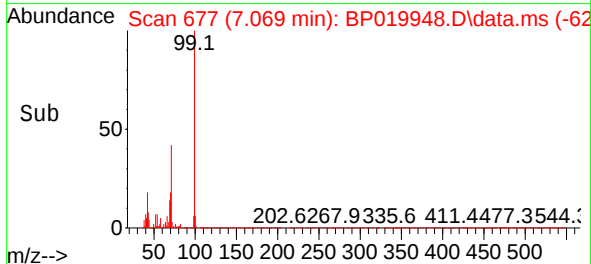
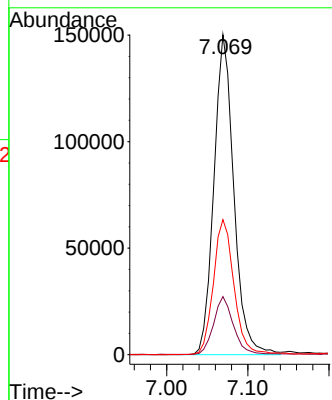
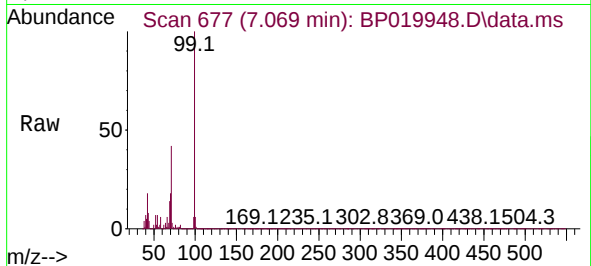




#7
Phenol-d6
Concen: 35.250 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP019948.D
Acq: 29 Feb 2024 21:21

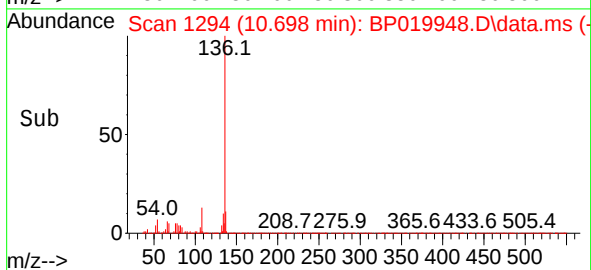
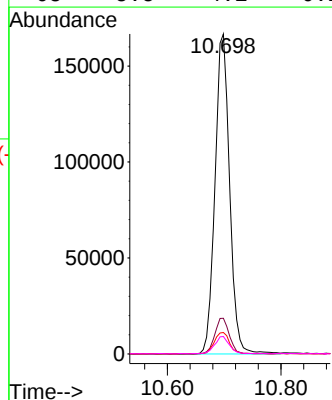
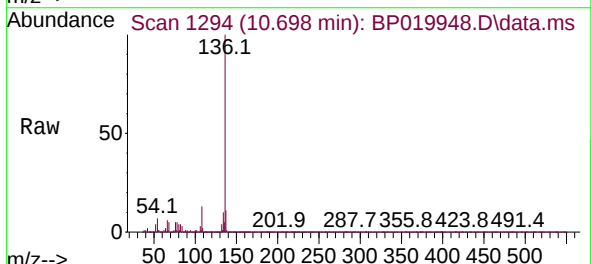
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-B

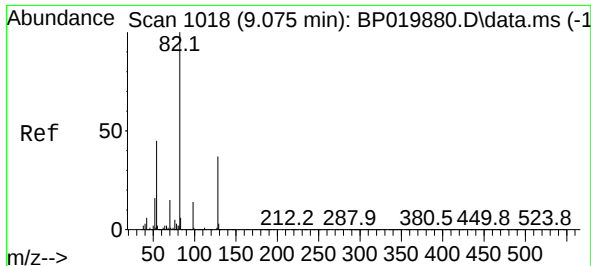
Tgt Ion: 99 Resp: 256222
Ion Ratio Lower Upper
99 100
42 18.1 13.8 20.8
71 42.2 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019948.D
Acq: 29 Feb 2024 21:21

Tgt Ion: 136 Resp: 296843
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.7 6.0 9.0
68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 23.968 ng

RT: 9.069 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B

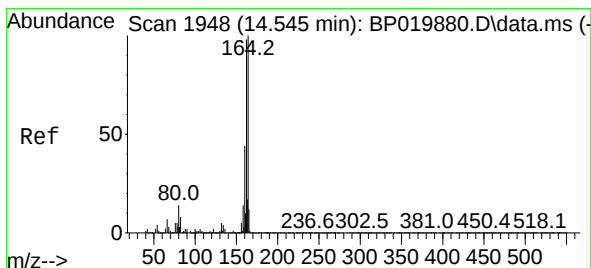
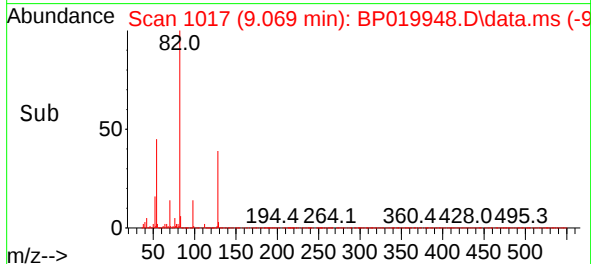
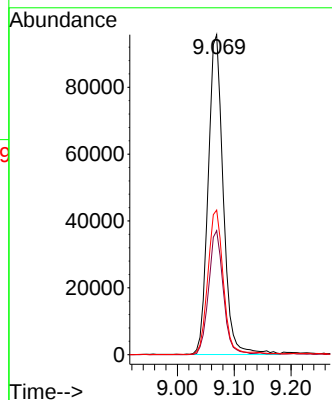
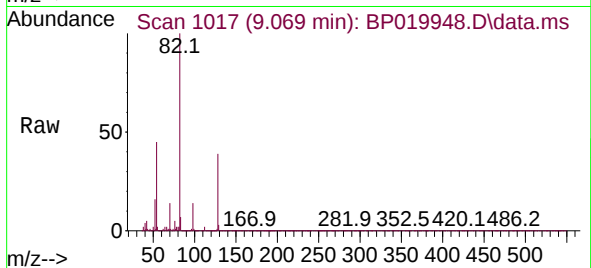
Tgt Ion: 82 Resp: 176235

Ion Ratio Lower Upper

82 100

128 38.7 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: BP019948.D

Acq: 29 Feb 2024 21:21

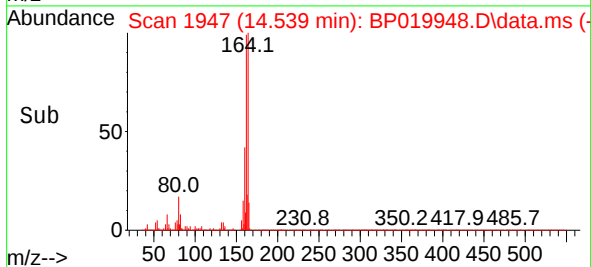
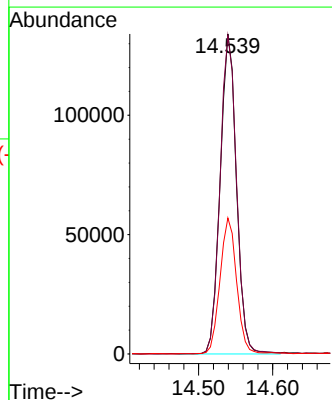
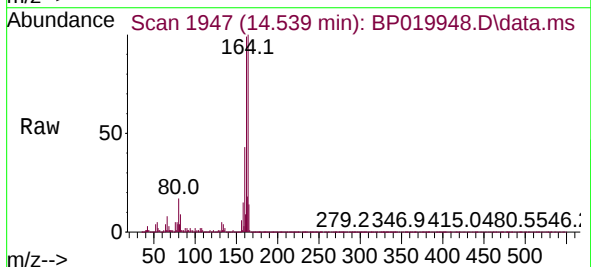
Tgt Ion: 164 Resp: 204582

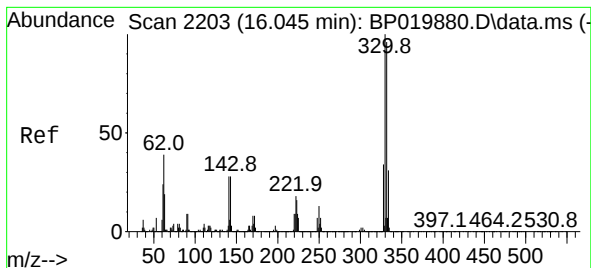
Ion Ratio Lower Upper

164 100

162 99.4 78.1 117.1

160 42.5 35.3 52.9

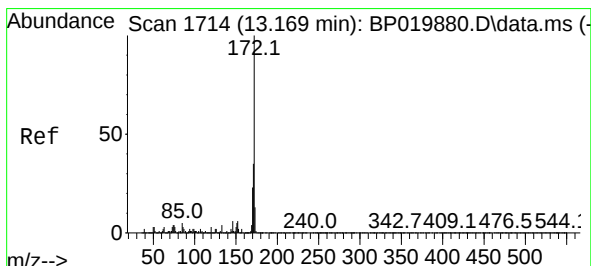
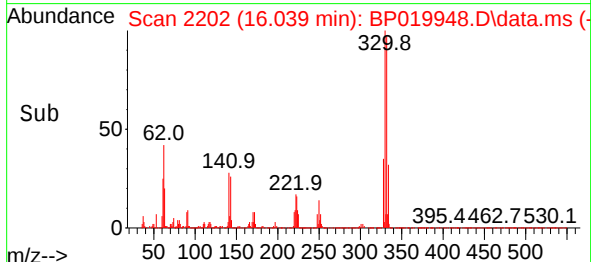
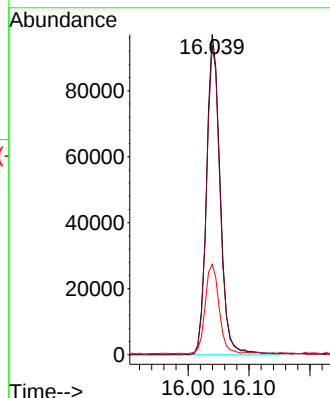
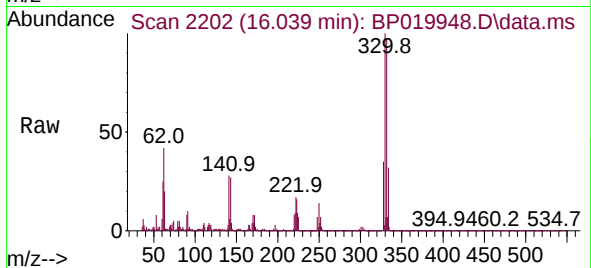




#42
2,4,6-Tribromophenol
Concen: 42.927 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP019948.D
Acq: 29 Feb 2024 21:21

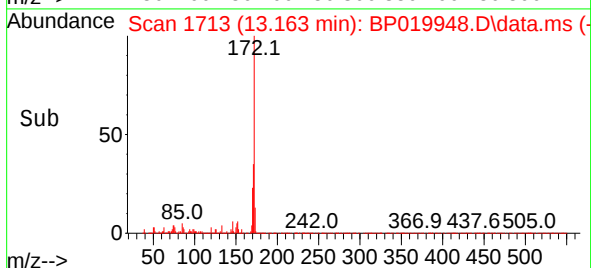
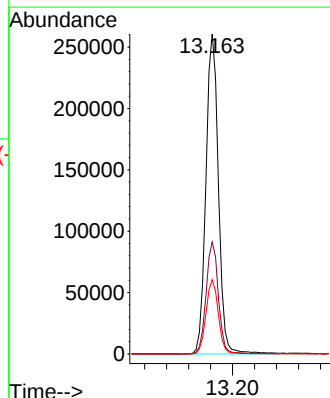
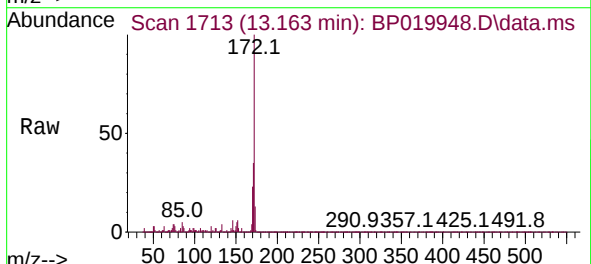
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-B

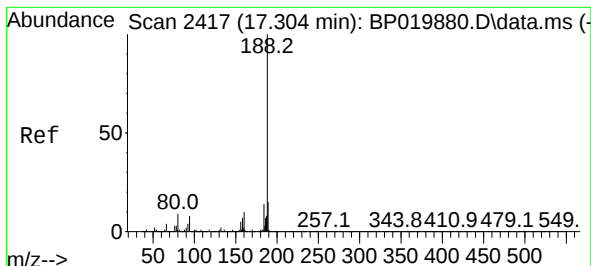
Tgt Ion:330 Resp: 150583
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.2
141 28.3 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 27.122 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.018 min
Lab File: BP019948.D
Acq: 29 Feb 2024 21:21

Tgt Ion:172 Resp: 410674
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.2 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: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B

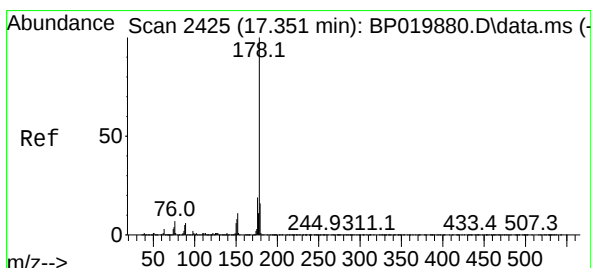
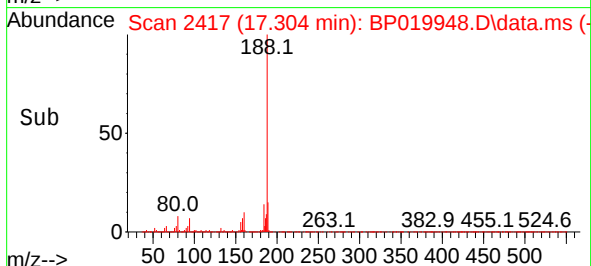
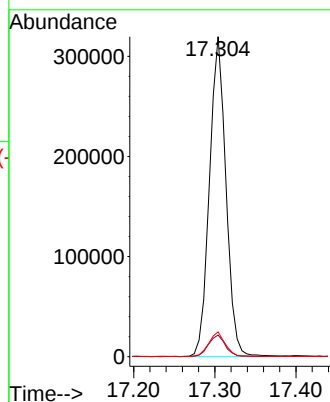
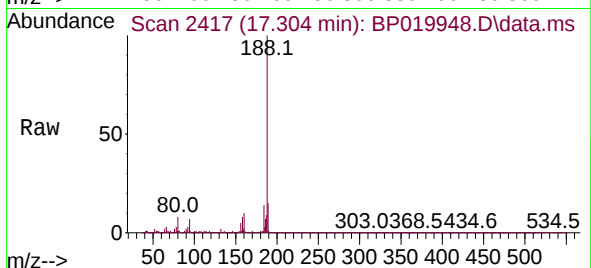
Tgt Ion:188 Resp: 451348

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

80 7.8 7.0 10.4



#71

Phenanthrene

Concen: 2.072 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.024 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

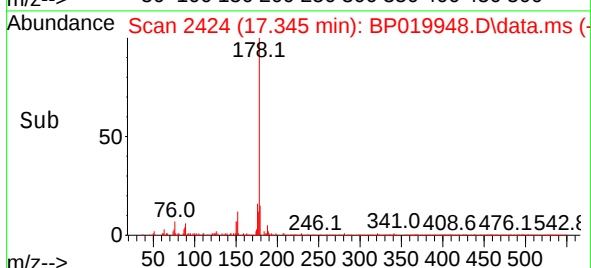
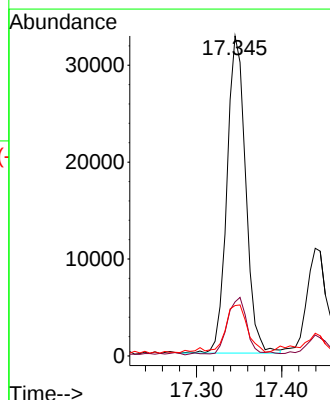
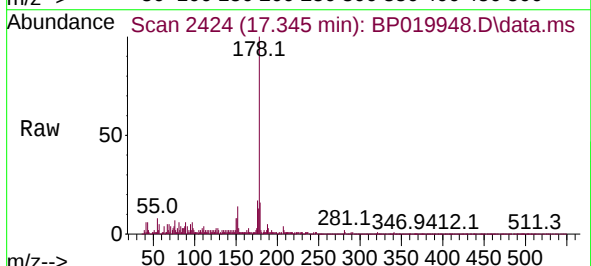
Tgt Ion:178 Resp: 49916

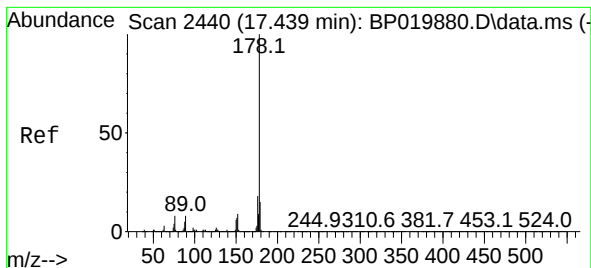
Ion Ratio Lower Upper

178 100

176 16.9 15.2 22.8

179 15.8 12.5 18.7





#72

Anthracene

Concen: 2.030 ng

RT: 17.345 min Scan# 2440

Delta R.T. -0.112 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B

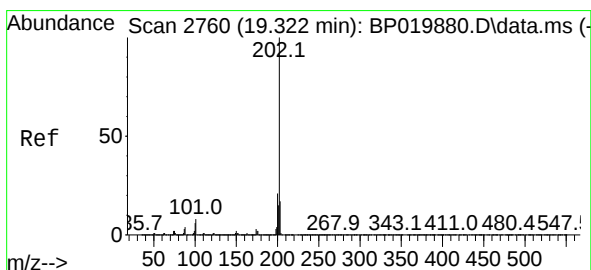
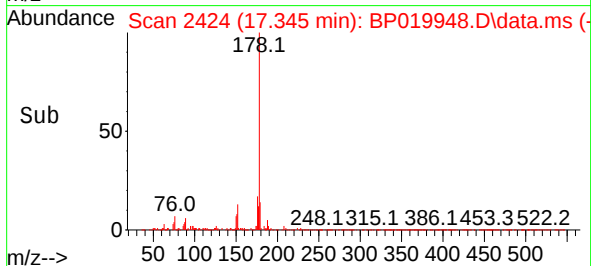
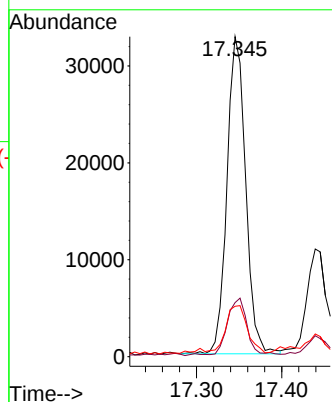
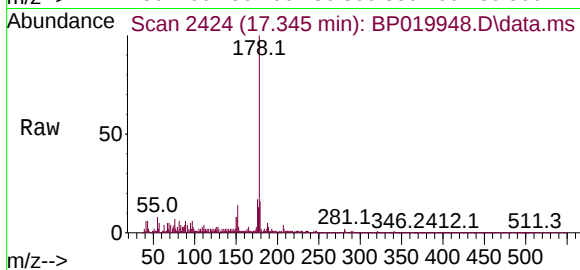
Tgt Ion:178 Resp: 49916

Ion Ratio Lower Upper

178 100

176 16.9 14.7 22.1

179 15.8 12.2 18.4



#75

Fluoranthene

Concen: 2.967 ng

RT: 19.322 min Scan# 2760

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

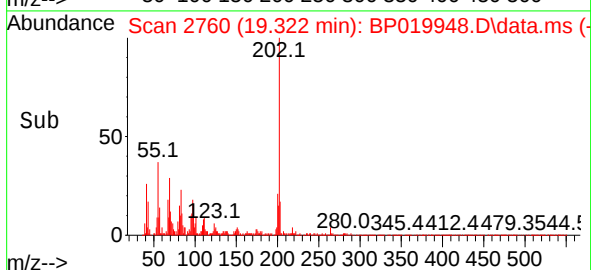
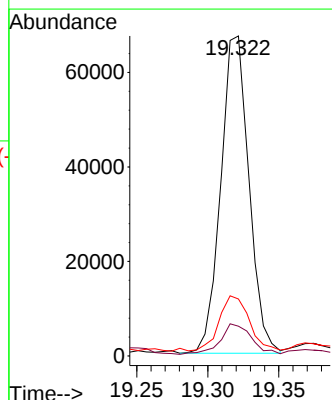
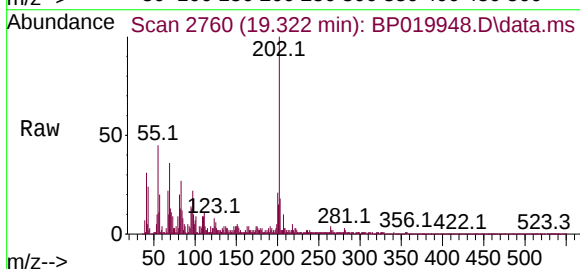
Tgt Ion:202 Resp: 92752

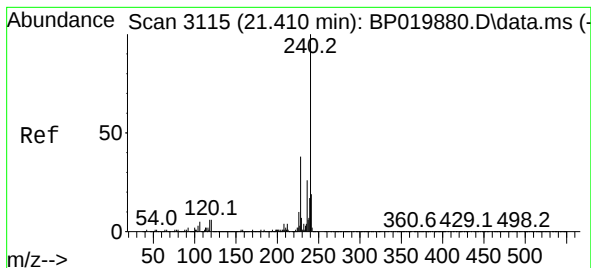
Ion Ratio Lower Upper

202 100

101 9.3 0.0 27.7

203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

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ClientSampleId :

EO-01-022824-B

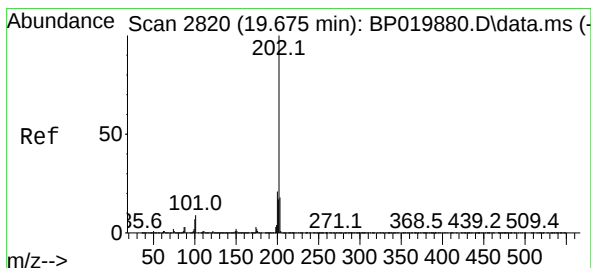
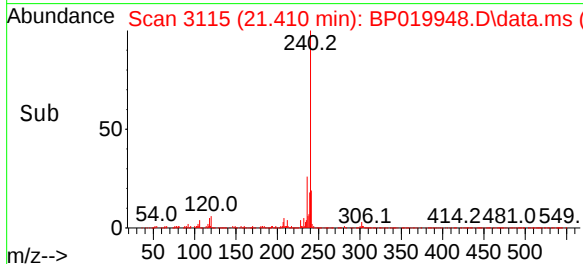
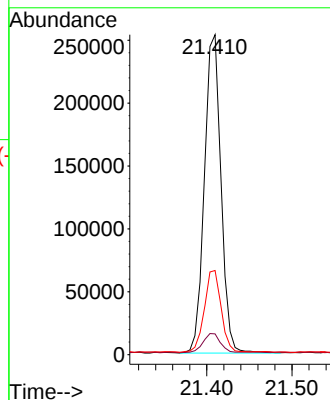
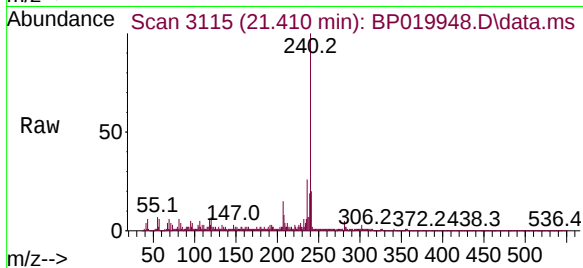
Tgt Ion:240 Resp: 342549

Ion Ratio Lower Upper

240 100

120 6.5 5.1 7.7

236 26.3 20.5 30.7



#78

Pyrene

Concen: 4.912 ng

RT: 19.674 min Scan# 2820

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

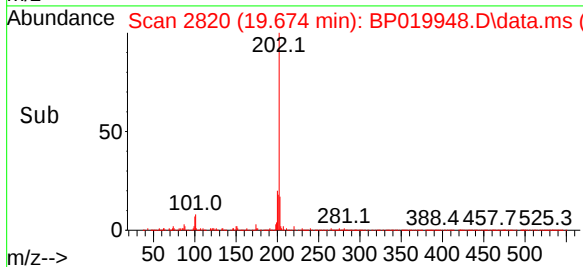
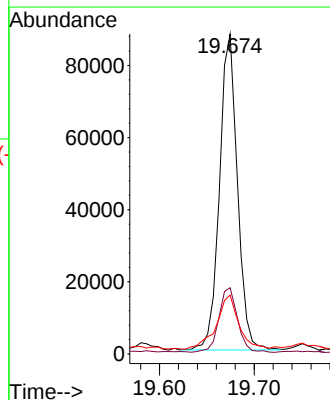
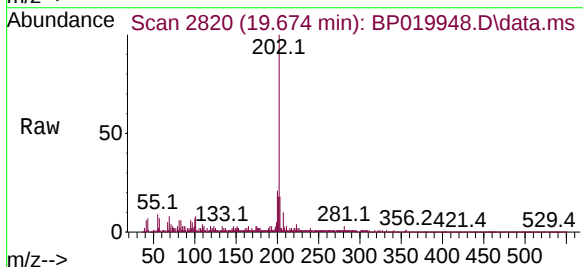
Tgt Ion:202 Resp: 115611

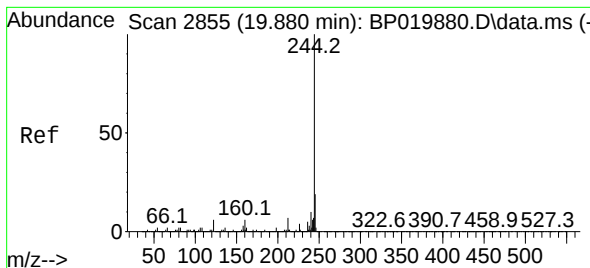
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 18.4 14.2 21.2





#79

Terphenyl-d14

Concen: 30.782 ng

RT: 19.874 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B

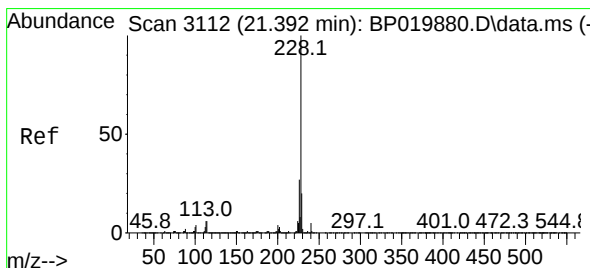
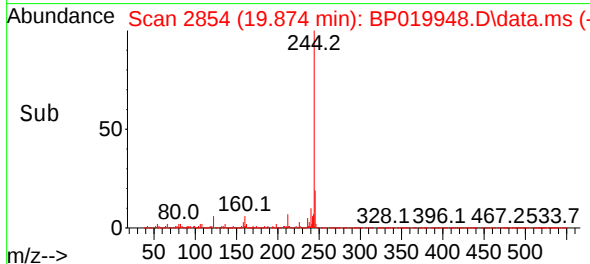
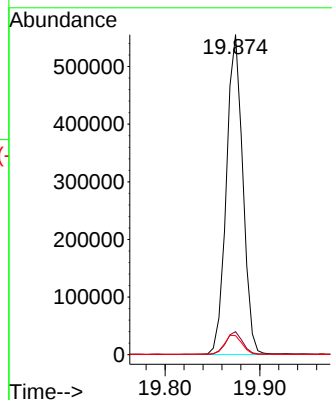
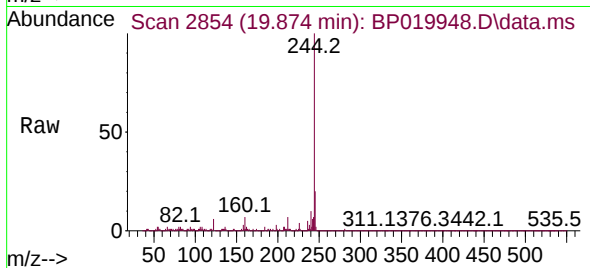
Tgt Ion:244 Resp: 668987

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 6.0 5.0 7.6



#81

Benzo(a)anthracene

Concen: 2.058 ng

RT: 21.392 min Scan# 3112

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

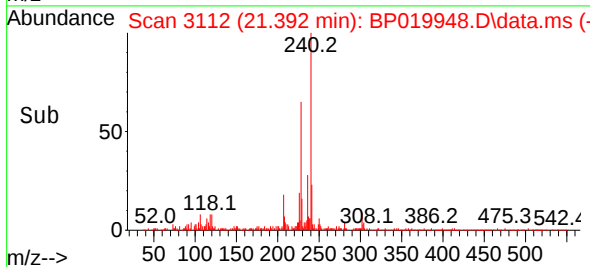
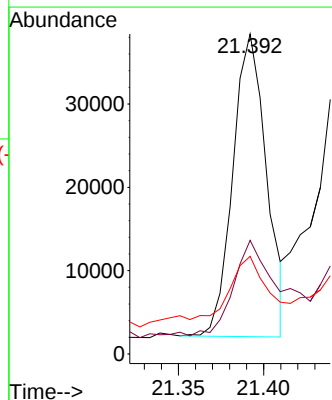
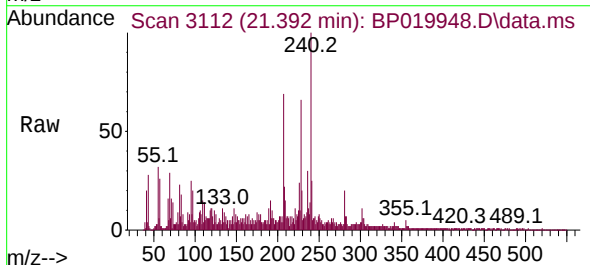
Tgt Ion:228 Resp: 50052

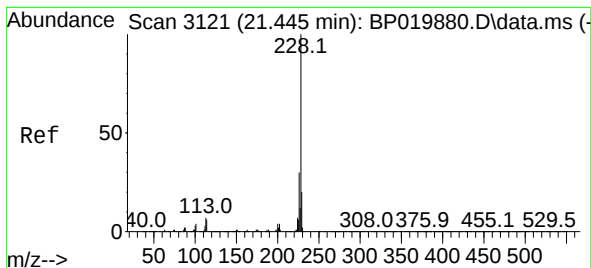
Ion Ratio Lower Upper

228 100

226 35.5 21.5 32.3#

229 30.5 15.6 23.4#





#83

Chrysene

Concen: 2.345 ng

RT: 21.445 min Scan# 3121

Delta R.T. -0.024 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B

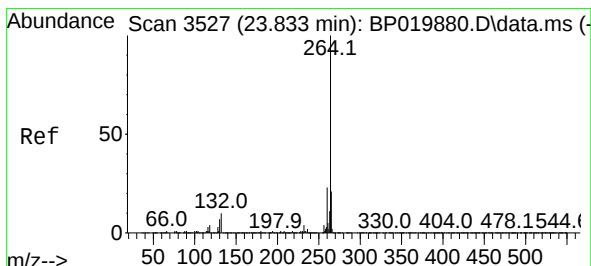
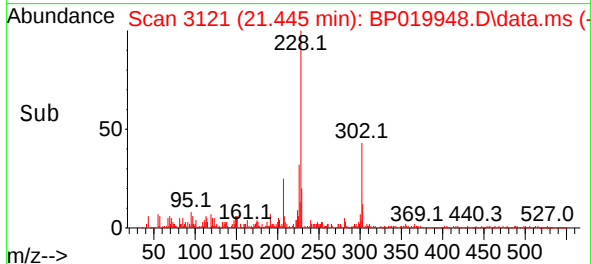
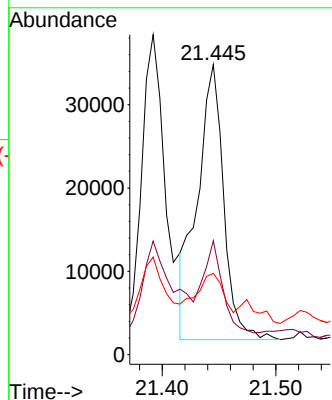
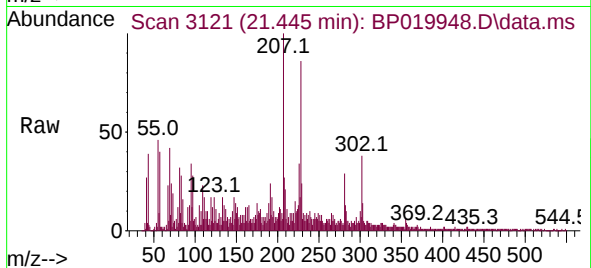
Tgt Ion:228 Resp: 53433

Ion Ratio Lower Upper

228 100

226 39.3 23.9 35.9#

229 28.0 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3528

Delta R.T. -0.029 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

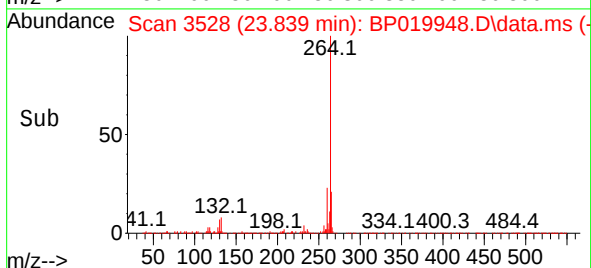
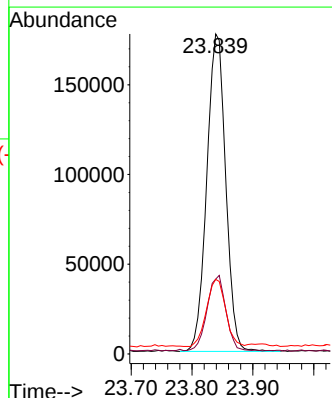
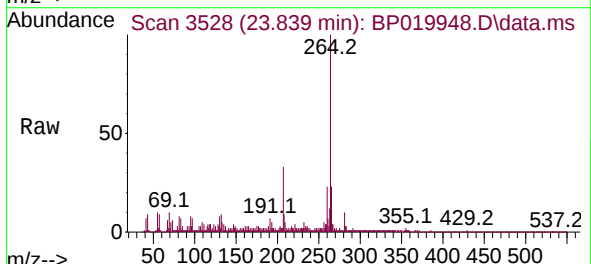
Tgt Ion:264 Resp: 381942

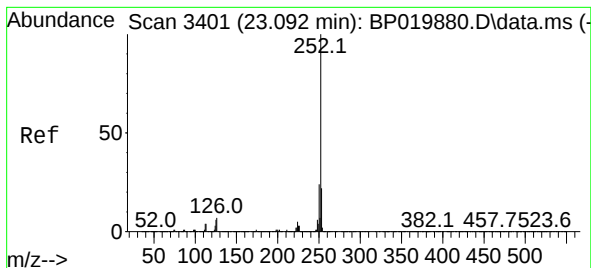
Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 23.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.329 ng

RT: 23.098 min Scan# 3401

Delta R.T. -0.024 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B

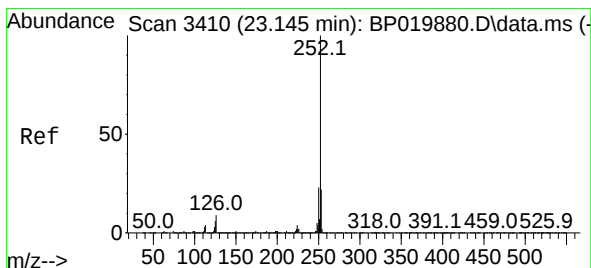
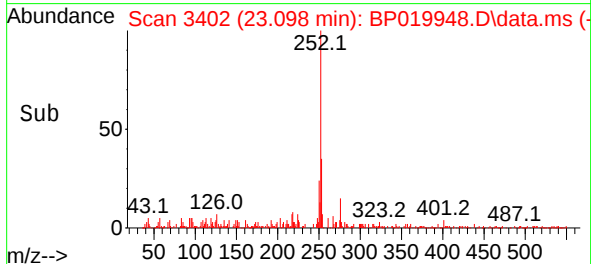
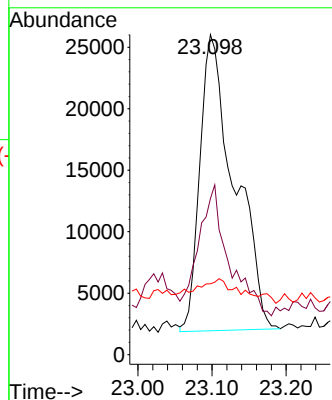
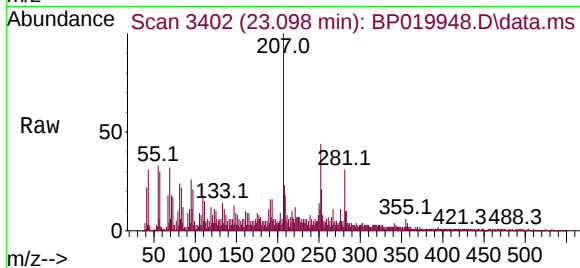
Tgt Ion:252 Resp: 77959

Ion Ratio Lower Upper

252 100

253 48.8 17.6 26.4#

125 22.2 4.6 7.0#



#89

Benzo(k)fluoranthene

Concen: 3.395 ng

RT: 23.098 min Scan# 3402

Delta R.T. -0.077 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

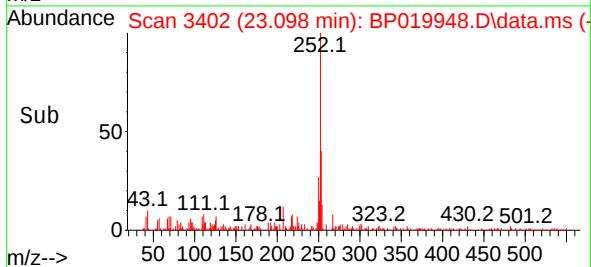
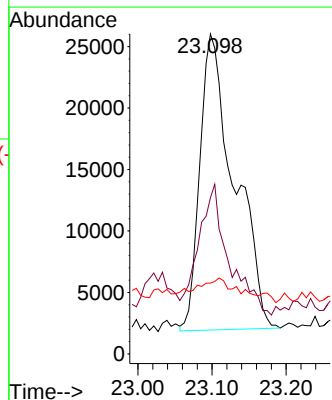
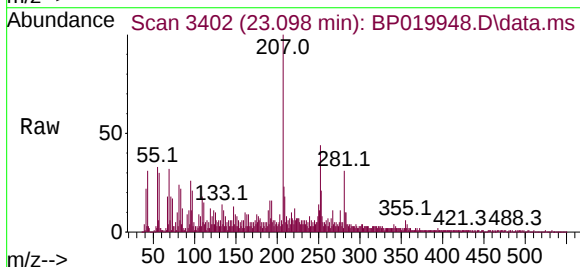
Tgt Ion:252 Resp: 77959

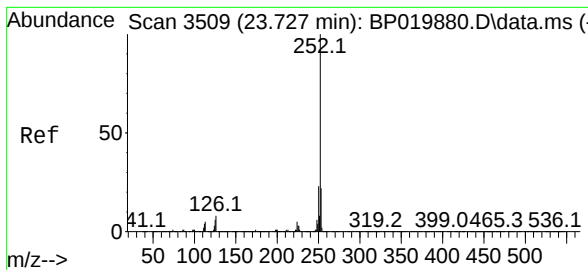
Ion Ratio Lower Upper

252 100

253 48.8 17.3 25.9#

125 22.2 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 2.109 ng

RT: 23.727 min Scan# 3

Delta R.T. -0.035 min

Lab File: BP019948.D

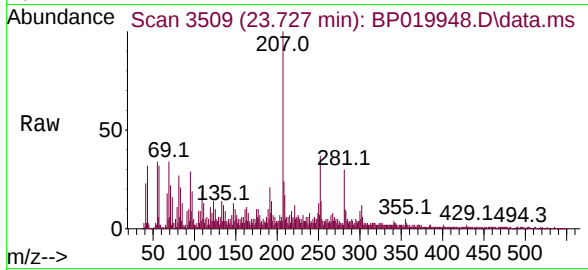
Acq: 29 Feb 2024 21:21

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-B



Tgt Ion:252 Resp: 47192

Ion Ratio Lower Upper

252 100

253 36.8 17.5 26.3#

125 27.1 5.2 7.8#

