

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019947.D
 Acq On : 29 Feb 2024 20:47
 Operator : MA/JU
 Sample : P1621-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Mar 01 03:44:43 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)

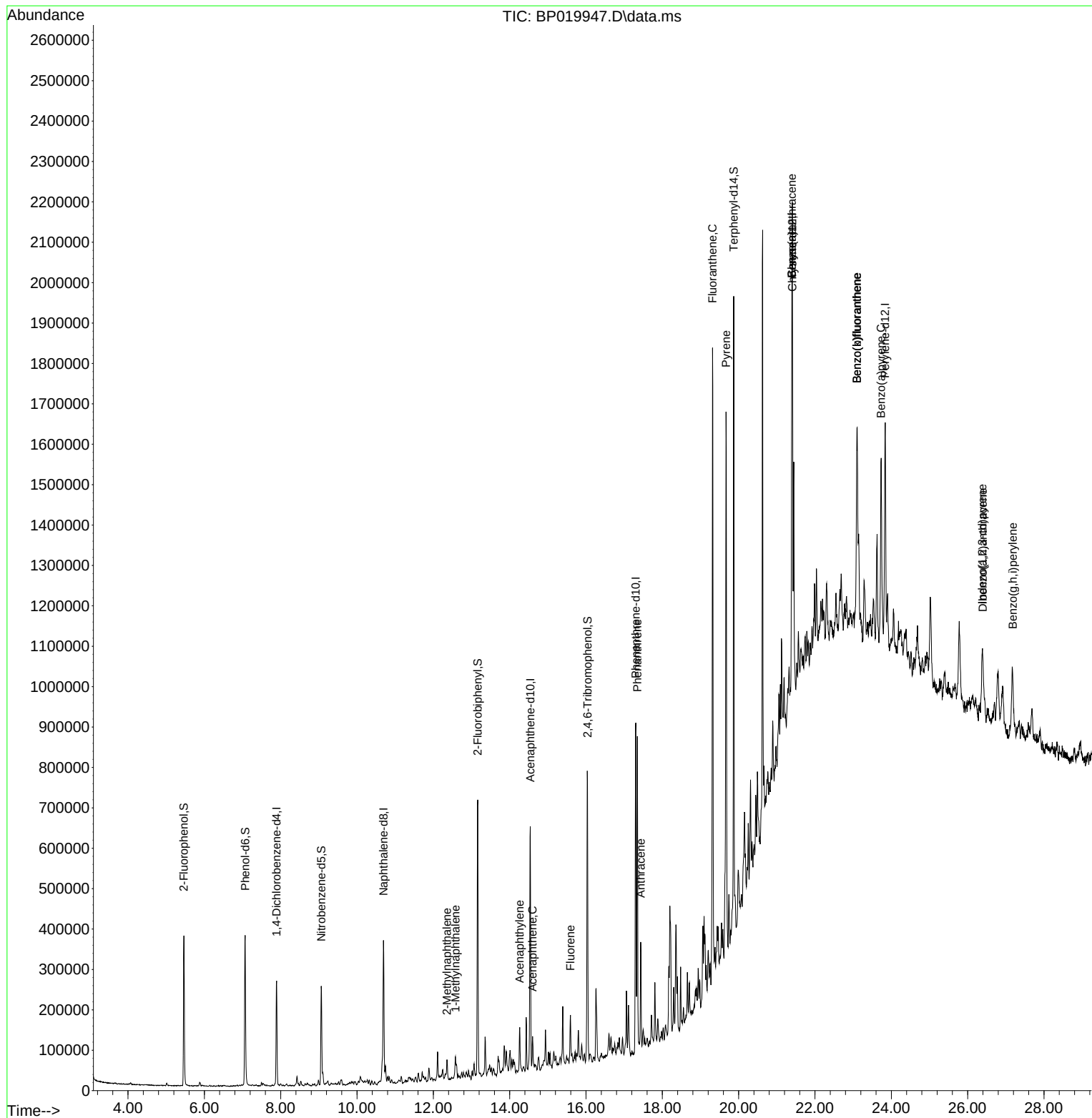
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	72992	20.000	ng	-0.02
21) Naphthalene-d8	10.693	136	293513	20.000	ng	-0.02
39) Acenaphthene-d10	14.540	164	217325	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	522000	20.000	ng	#-0.02
76) Chrysene-d12	21.404	240	469928	20.000	ng	-0.02
86) Perylene-d12	23.839	264	465467	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	168381	37.864	ng	-0.02
7) Phenol-d6	7.069	99	229475	34.659	ng	-0.02
23) Nitrobenzene-d5	9.063	82	156467	21.521	ng	-0.02
42) 2,4,6-Tribromophenol	16.039	330	152975	41.052	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	383078	23.816	ng	-0.02
79) Terphenyl-d14	19.869	244	770493	25.842	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.357	142	25096	2.057	ng	98
38) 1-Methylnaphthalene	12.581	142	24729	2.142	ng	98
49) Acenaphthylene	14.263	152	79492	4.062	ng	98
52) Acenaphthene	14.598	154	28188	2.399	ng	96
58) Fluorene	15.592	166	54496	3.351	ng	99
71) Phenanthrene	17.345	178	475889	17.080	ng	100
72) Anthracene	17.434	178	169685	5.966	ng	97
75) Fluoranthene	19.316	202	799042	22.097	ng	99
78) Pyrene	19.669	202	855395	26.494	ng	100
81) Benzo(a)anthracene	21.392	228	411344	12.331	ng	93
83) Chrysene	21.392	228	411344	13.160	ng	97
87) Indeno(1,2,3-cd)pyrene	26.386	276	214899	6.558	ng	96
88) Benzo(b)fluoranthene	23.098	252	569729	19.964	ng	# 87
89) Benzo(k)fluoranthene	23.098	252	569729	20.357	ng	# 86
90) Benzo(a)pyrene	23.727	252	345633	12.674	ng	# 94
91) Dibenzo(a,h)anthracene	26.398	278	61635	2.237	ng	# 72
92) Benzo(g,h,i)perylene	27.180	276	222643	8.372	ng	96

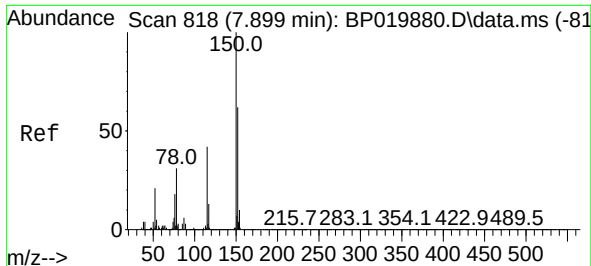
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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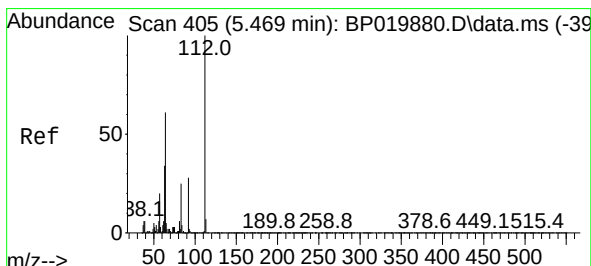
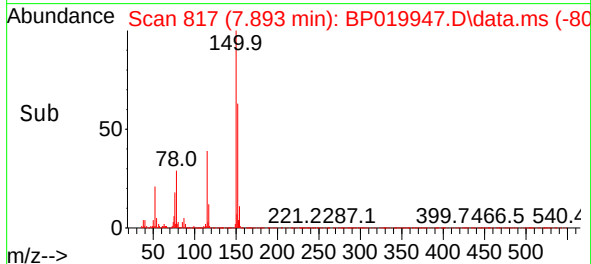
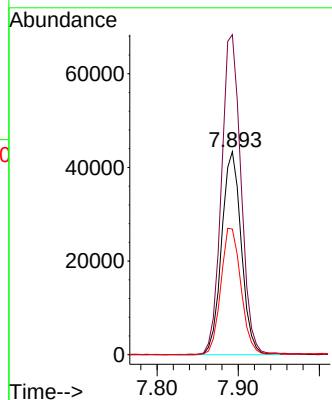
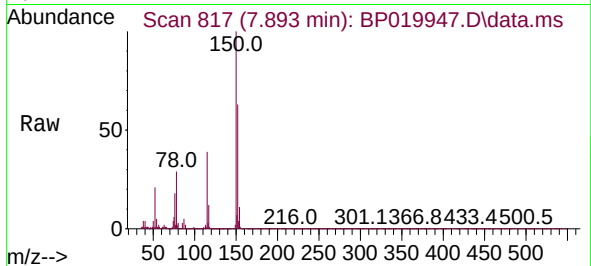




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

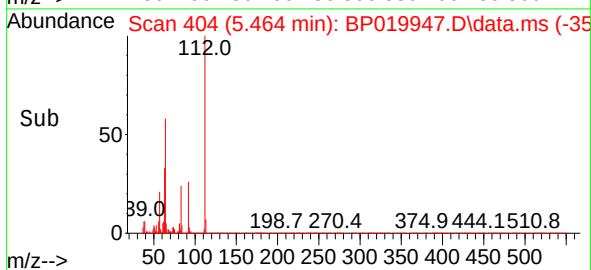
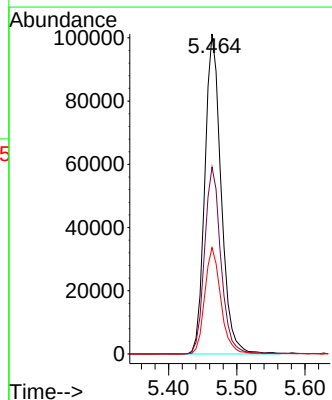
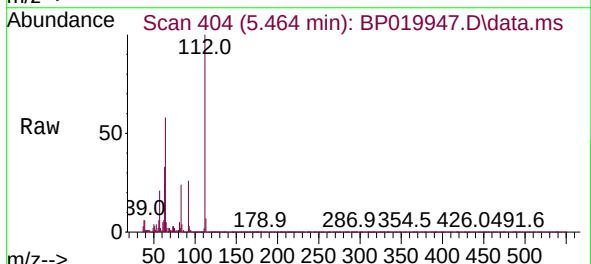
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

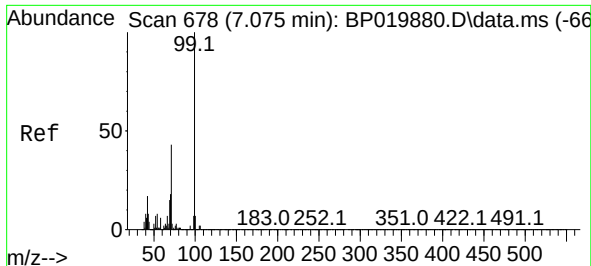
Tgt Ion:152 Resp: 72992
Ion Ratio Lower Upper
152 100
150 157.6 128.6 192.8
115 61.8 53.4 80.2



#5
2-Fluorophenol
Concen: 37.864 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:112 Resp: 168381
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.6
63 33.2 27.6 41.4

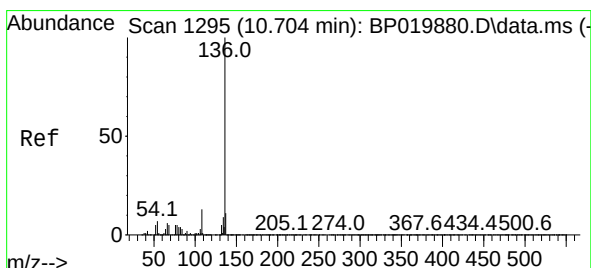
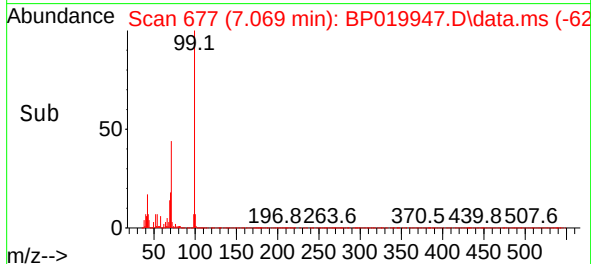
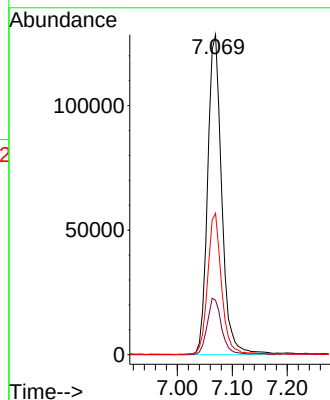
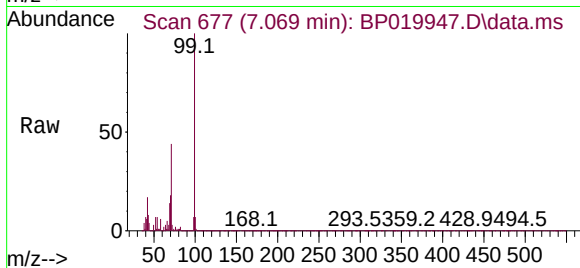




#7
Phenol-d6
Concen: 34.659 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

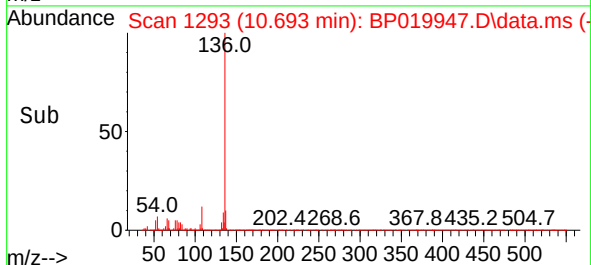
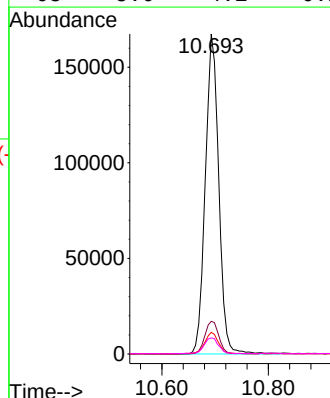
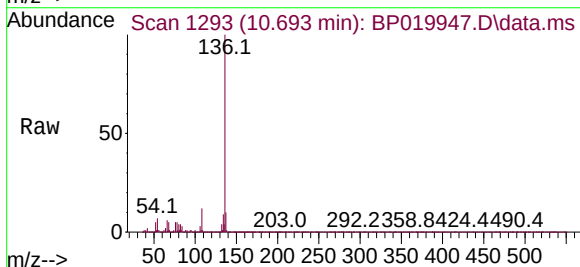
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

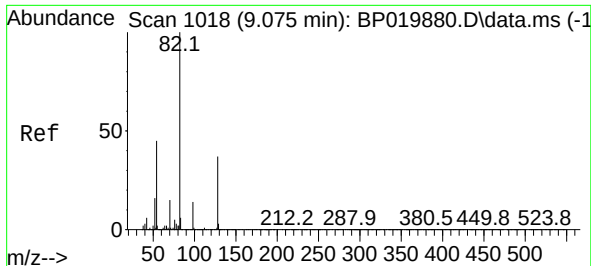
Tgt Ion: 99 Resp: 229475
Ion Ratio Lower Upper
99 100
42 17.0 13.8 20.8
71 44.2 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:136 Resp: 293513
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 6.7 6.0 9.0
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 21.521 ng

RT: 9.063 min Scan# 1

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-A

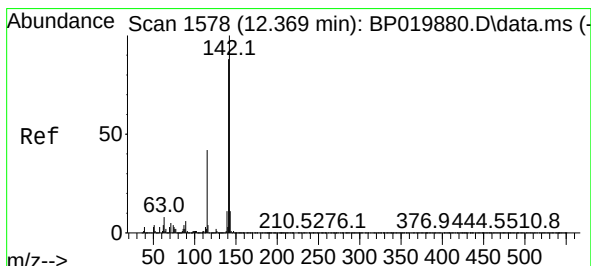
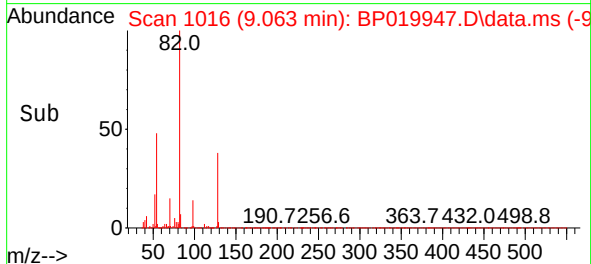
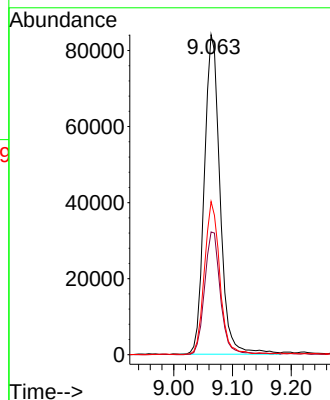
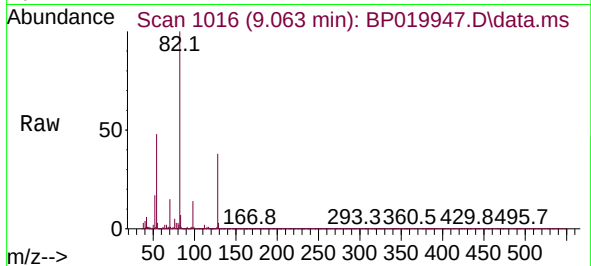
Tgt Ion: 82 Resp: 156467

Ion Ratio Lower Upper

82 100

128 38.3 29.6 44.4

54 47.9 36.3 54.5



#37

2-Methylnaphthalene

Concen: 2.057 ng

RT: 12.357 min Scan# 1576

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

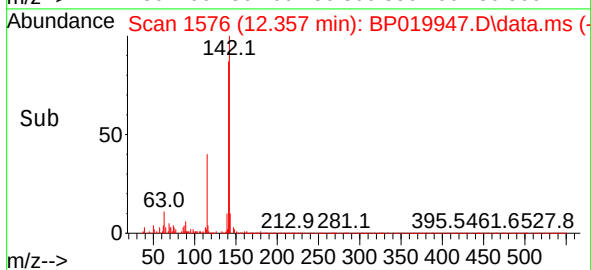
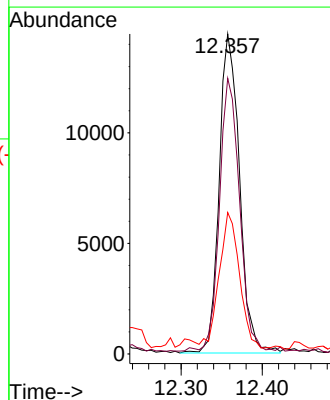
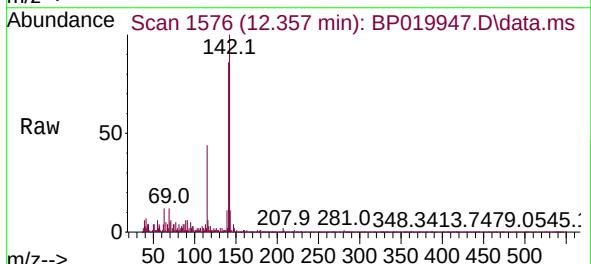
Tgt Ion: 142 Resp: 25096

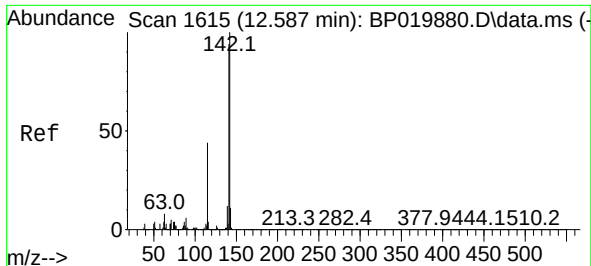
Ion Ratio Lower Upper

142 100

141 86.2 70.0 105.0

115 44.2 33.7 50.5





#38

1-Methylnaphthalene

Concen: 2.142 ng

RT: 12.581 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-A

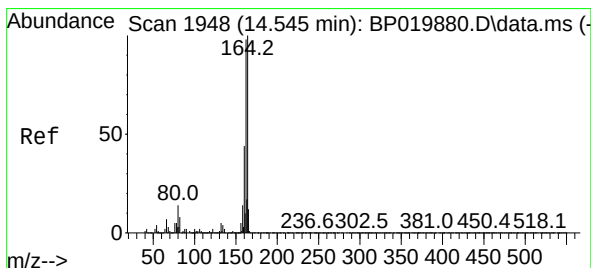
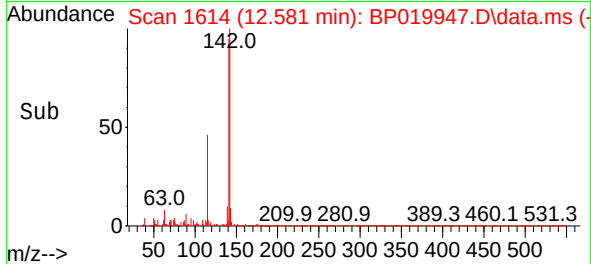
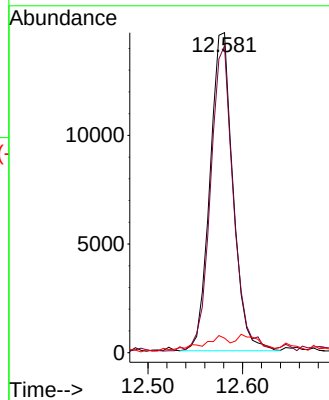
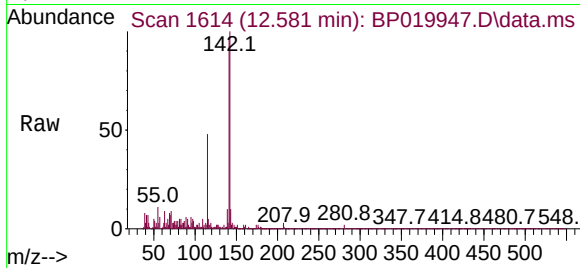
Tgt Ion:142 Resp: 24729

Ion Ratio Lower Upper

142 100

141 95.9 75.5 113.3

116 4.5 3.5 5.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

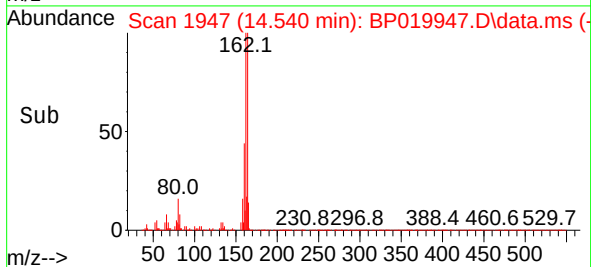
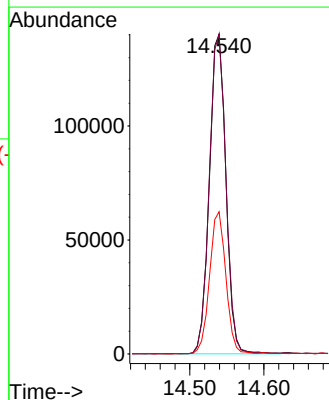
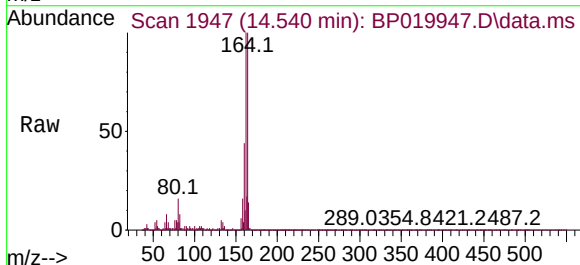
Tgt Ion:164 Resp: 217325

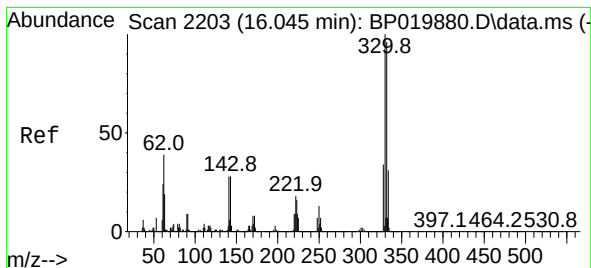
Ion Ratio Lower Upper

164 100

162 100.1 78.1 117.1

160 44.5 35.3 52.9

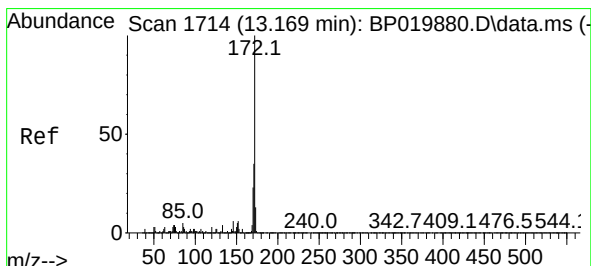
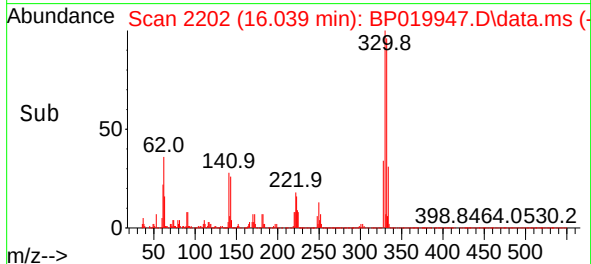
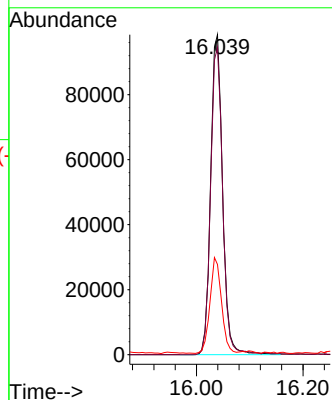
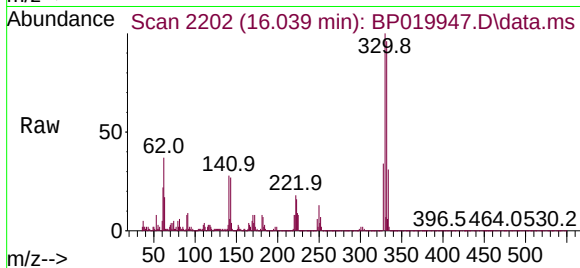




#42
2,4,6-Tribromophenol
Concen: 41.052 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

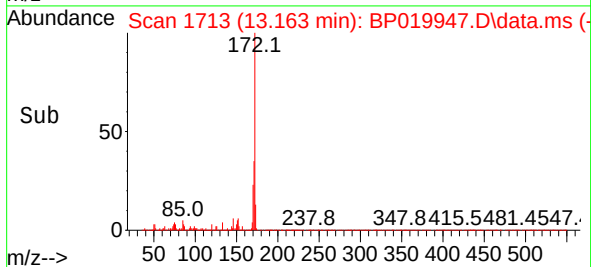
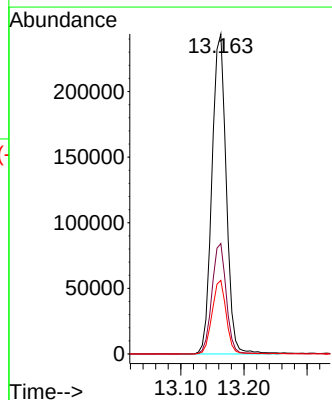
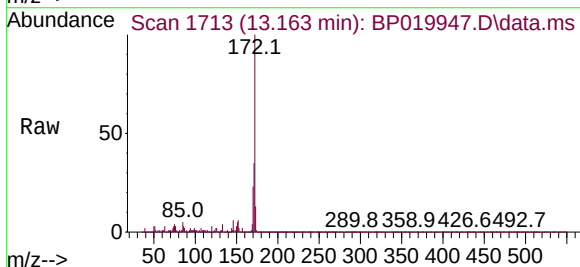
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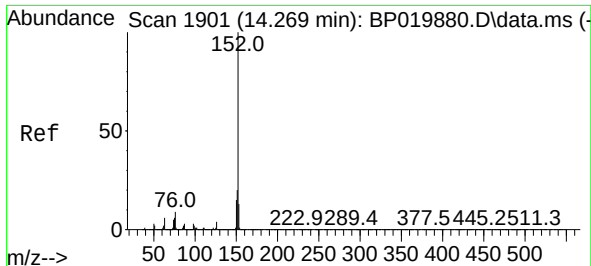
Tgt Ion:330 Resp: 152975
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 29.0 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 23.816 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:172 Resp: 383078
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.0 18.4 27.6

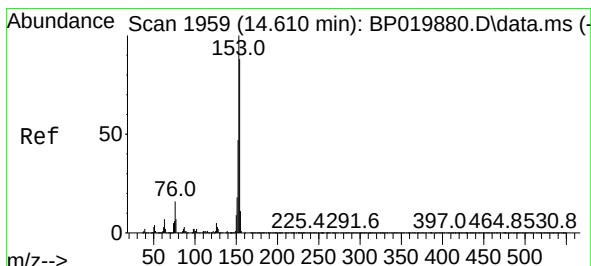
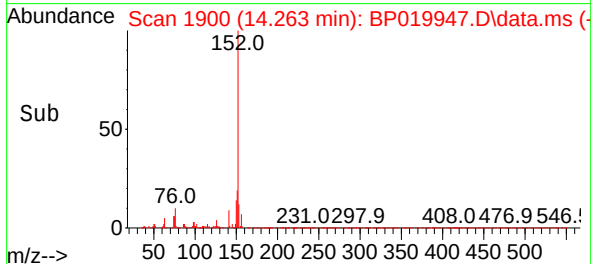
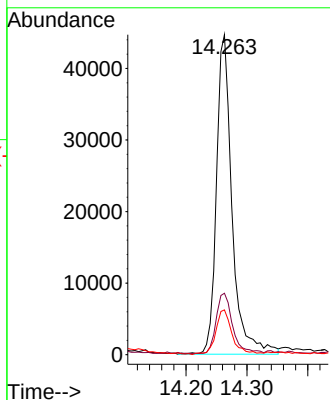
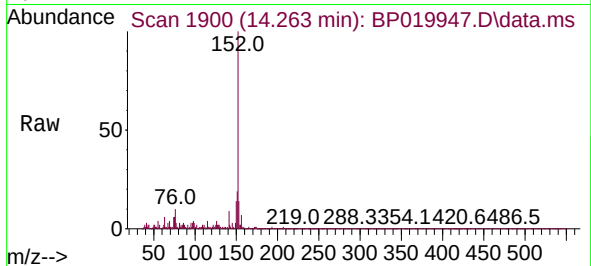




#49
Acenaphthylene
Concen: 4.062 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

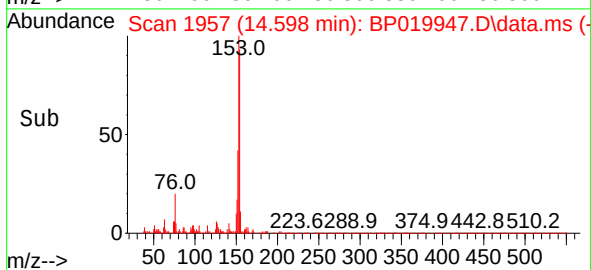
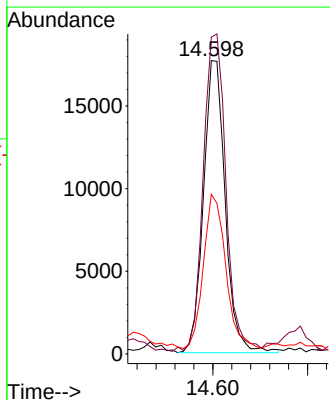
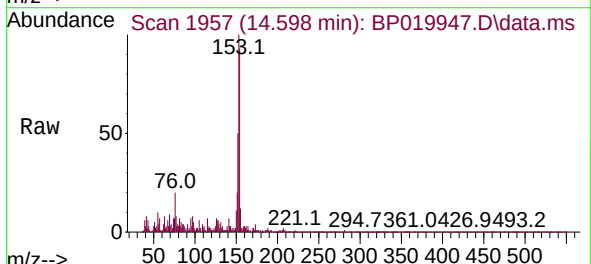
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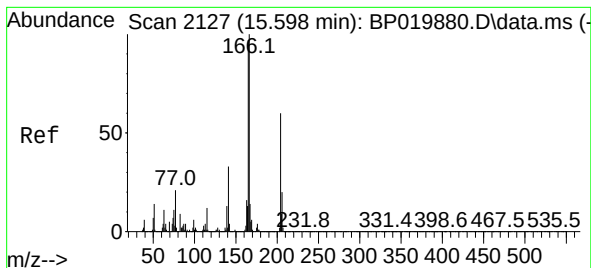
Tgt Ion:152 Resp: 79492
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 14.0 10.4 15.6



#52
Acenaphthene
Concen: 2.399 ng
RT: 14.598 min Scan# 1957
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:154 Resp: 28188
Ion Ratio Lower Upper
154 100
153 108.0 90.9 136.3
152 54.4 42.3 63.5





#58

Fluorene

Concen: 3.351 ng

RT: 15.592 min Scan# 2127

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-A

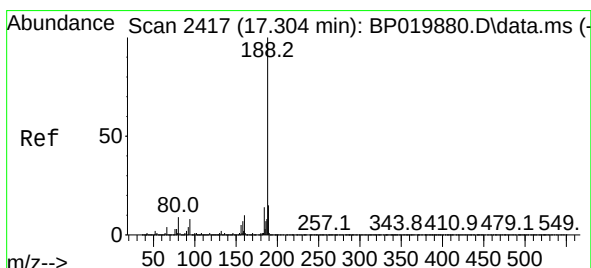
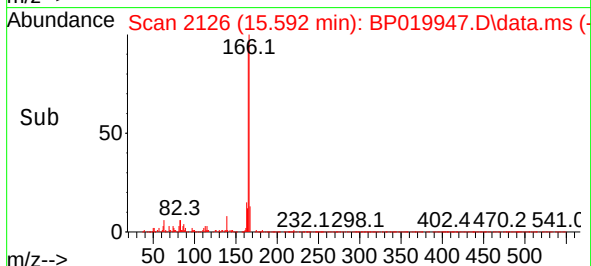
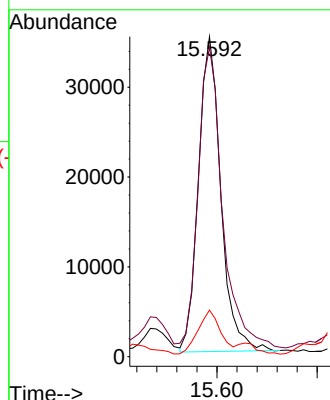
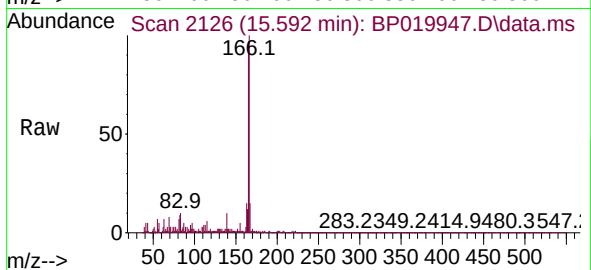
Tgt Ion:166 Resp: 54496

Ion Ratio Lower Upper

166 100

165 96.7 77.8 116.6

167 14.6 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. -0.018 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

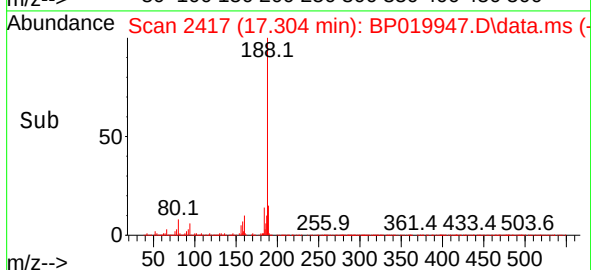
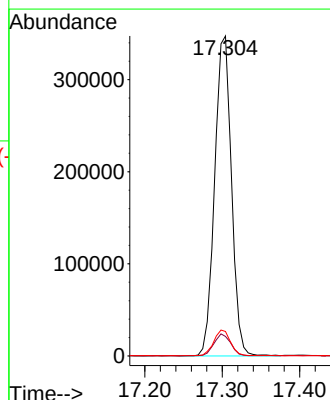
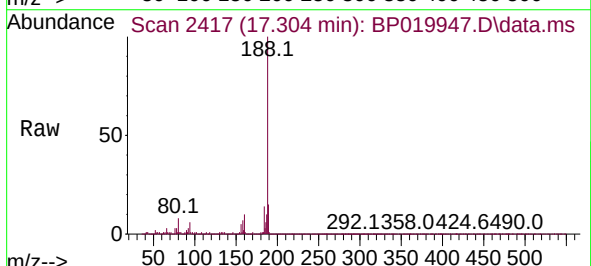
Tgt Ion:188 Resp: 522000

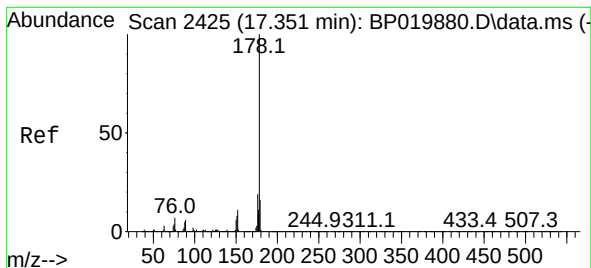
Ion Ratio Lower Upper

188 100

94 6.1 6.2 9.4#

80 7.7 7.0 10.4

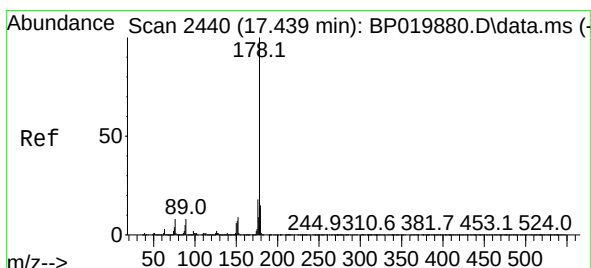
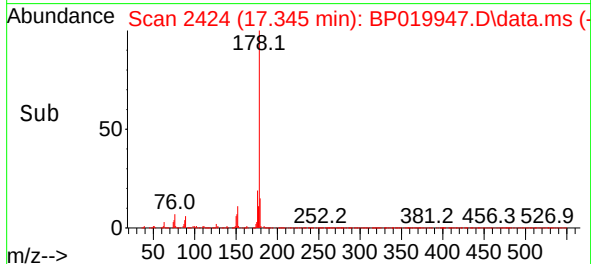
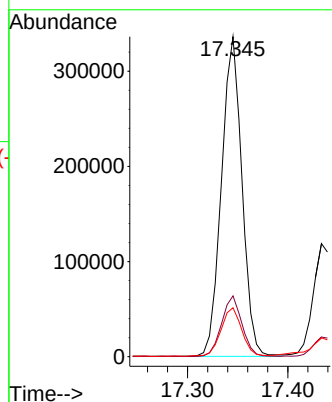
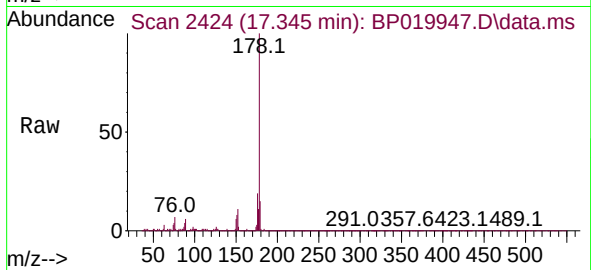




#71
Phenanthrene
Concen: 17.080 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

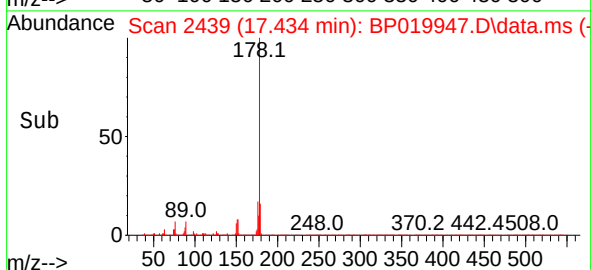
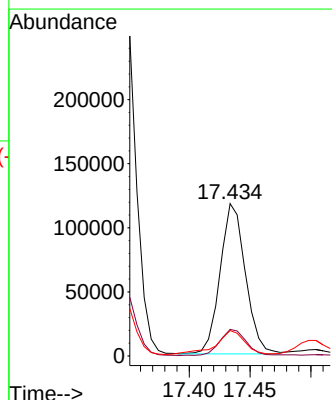
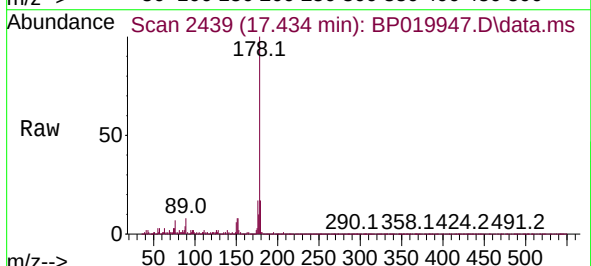
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

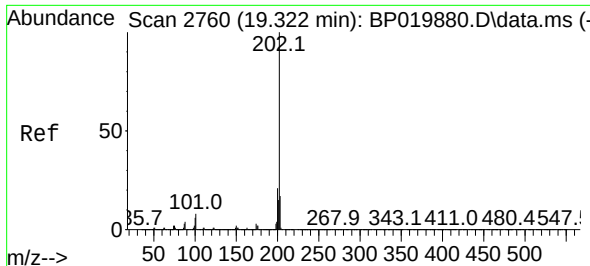
Tgt Ion:178 Resp: 475889
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 12.5 18.7



#72
Anthracene
Concen: 5.966 ng
RT: 17.434 min Scan# 2439
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:178 Resp: 169685
Ion Ratio Lower Upper
178 100
176 17.4 14.7 22.1
179 16.7 12.2 18.4

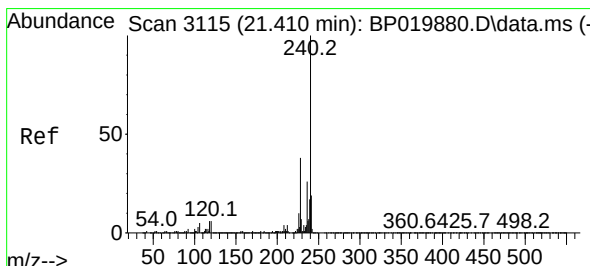
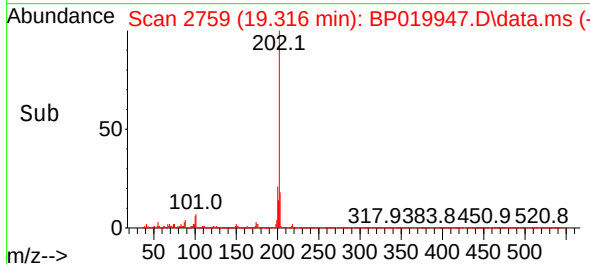
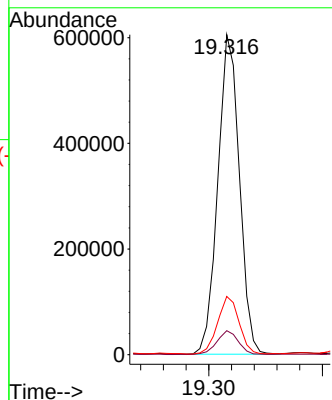
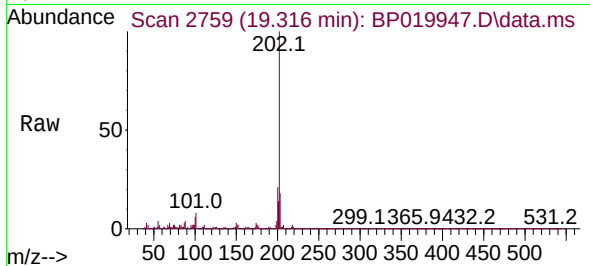




#75
Fluoranthene
Concen: 22.097 ng
RT: 19.316 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

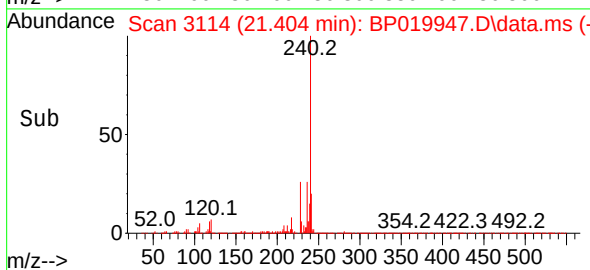
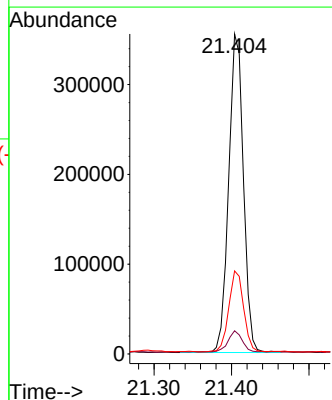
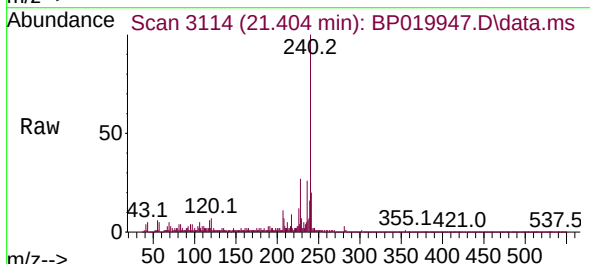
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

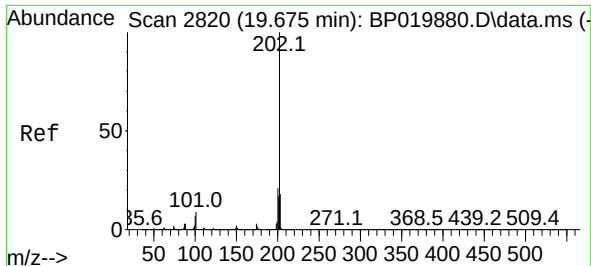
Tgt Ion:202 Resp: 799042
Ion Ratio Lower Upper
202 100
101 7.5 0.0 27.7
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:240 Resp: 469928
Ion Ratio Lower Upper
240 100
120 7.2 5.1 7.7
236 26.0 20.5 30.7

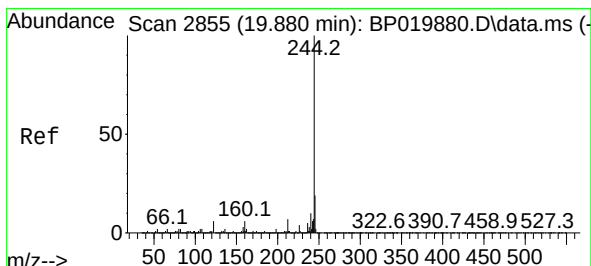
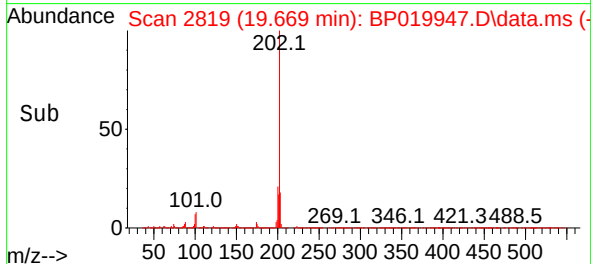
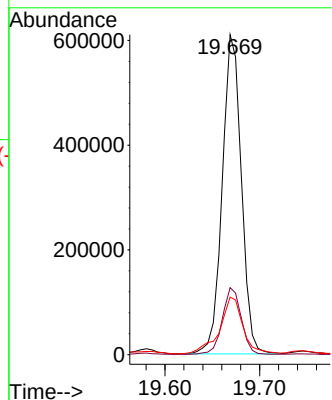
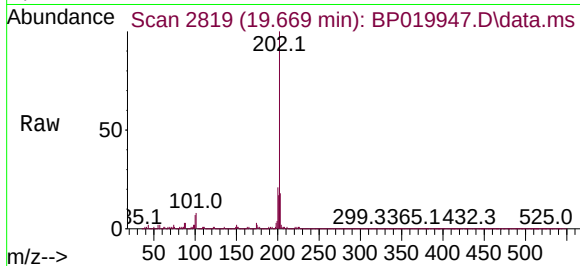




#78
 Pyrene
 Concen: 26.494 ng
 RT: 19.669 min Scan# 2819
 Delta R.T. -0.023 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

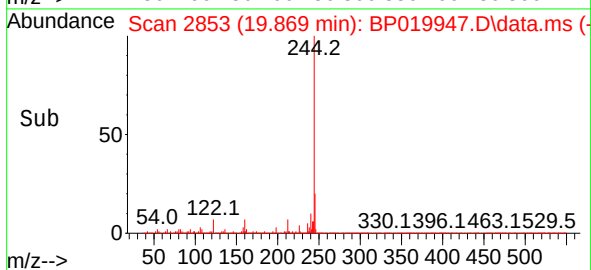
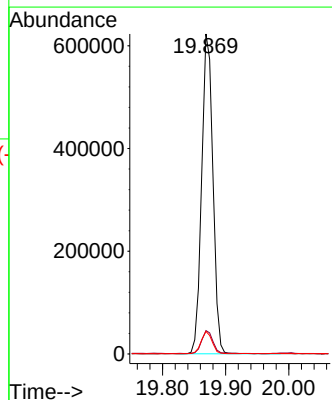
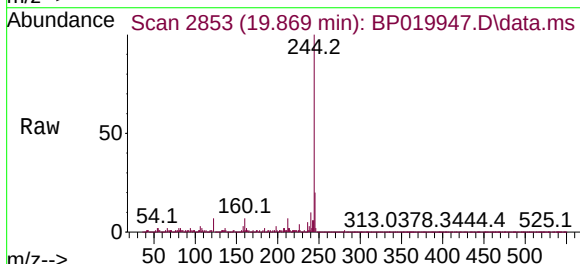
Instrument :
 BNA_P
 ClientSampleId :
 EO-01-022824-A

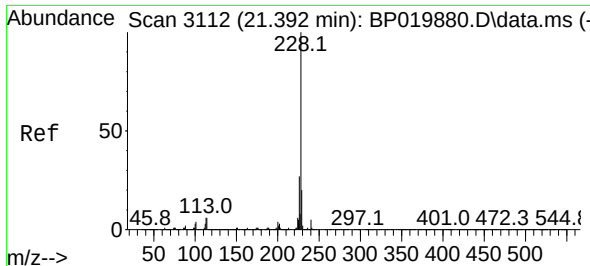
Tgt Ion:202 Resp: 855395
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 18.0 14.2 21.2



#79
 Terphenyl-d14
 Concen: 25.842 ng
 RT: 19.869 min Scan# 2853
 Delta R.T. -0.023 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

Tgt Ion:244 Resp: 770493
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 7.1 5.0 7.6

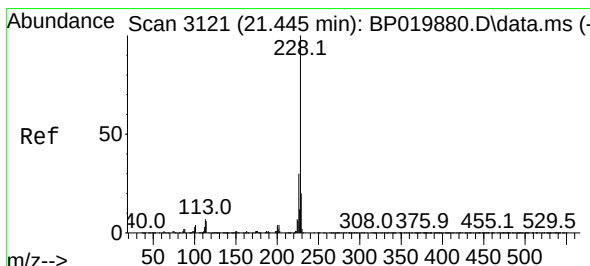
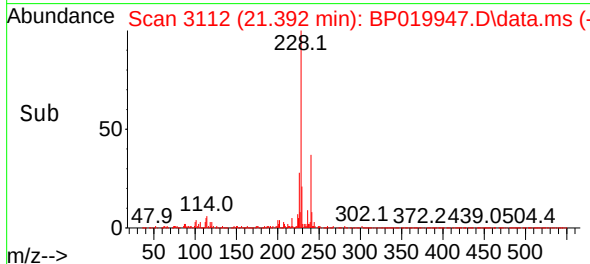
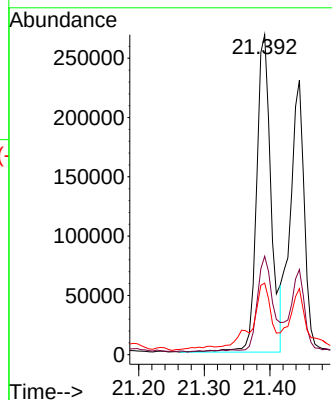
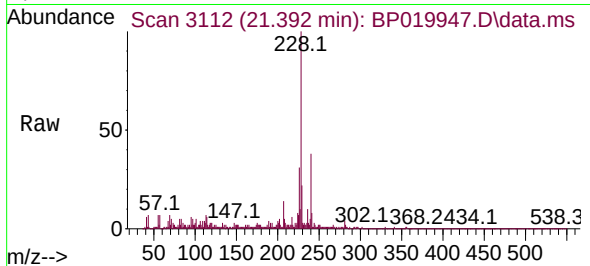




#81
Benzo(a)anthracene
Concen: 12.331 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

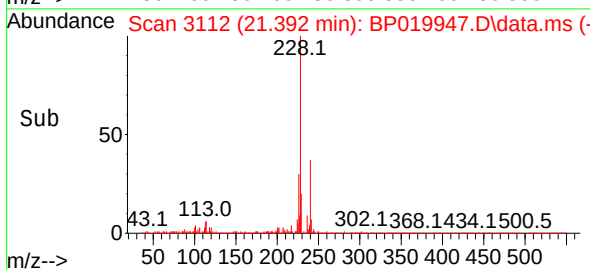
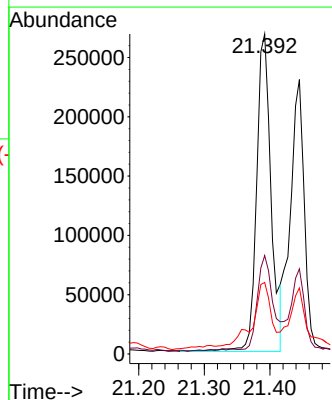
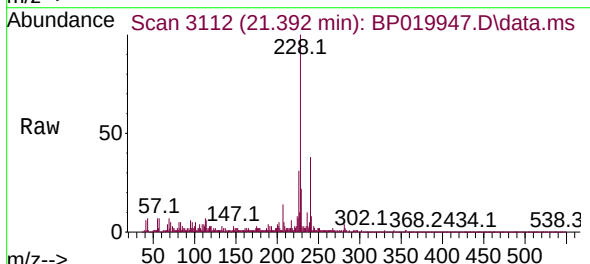
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

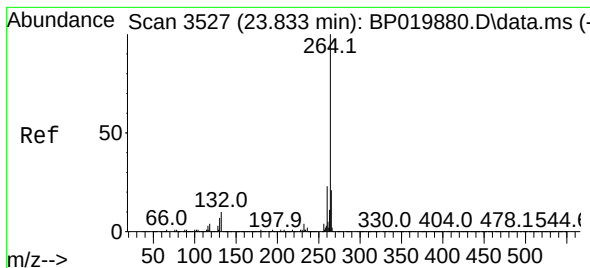
Tgt Ion:228 Resp: 411344
Ion Ratio Lower Upper
228 100
226 30.8 21.5 32.3
229 22.3 15.6 23.4



#83
Chrysene
Concen: 13.160 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.076 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:228 Resp: 411344
Ion Ratio Lower Upper
228 100
226 30.8 23.9 35.9
229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3

Delta R.T. -0.029 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-A

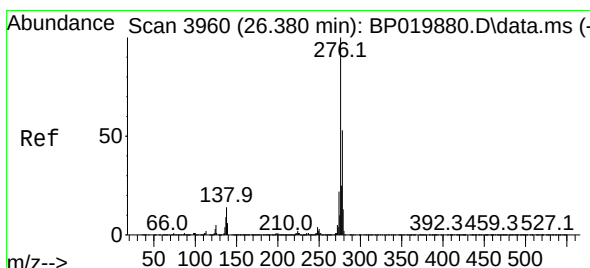
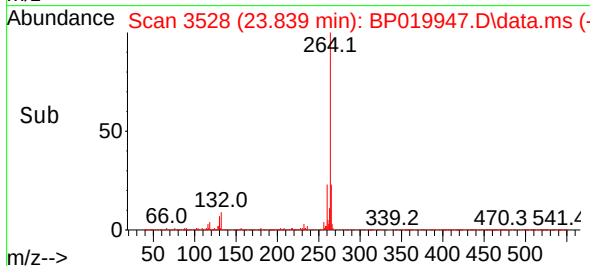
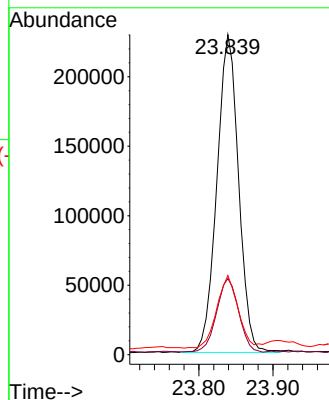
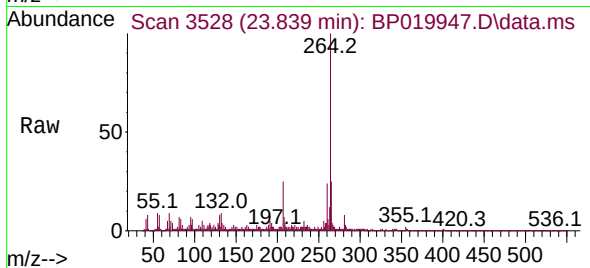
Tgt Ion:264 Resp: 465467

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 24.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.558 ng

RT: 26.386 min Scan# 3961

Delta R.T. -0.059 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

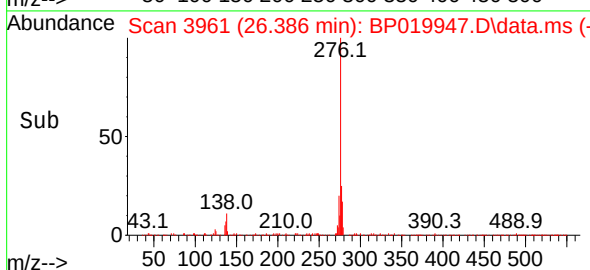
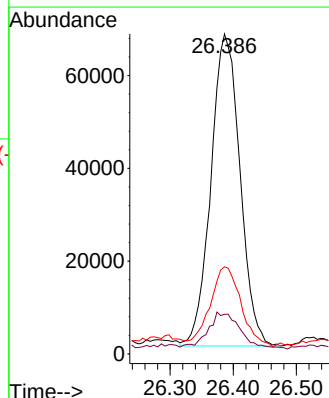
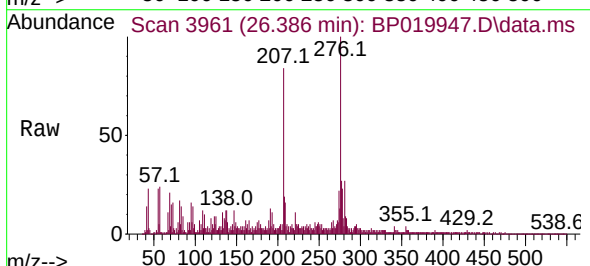
Tgt Ion:276 Resp: 214899

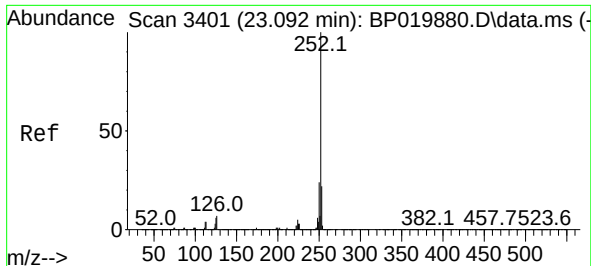
Ion Ratio Lower Upper

276 100

138 13.2 11.7 17.5

277 27.6 20.2 30.4

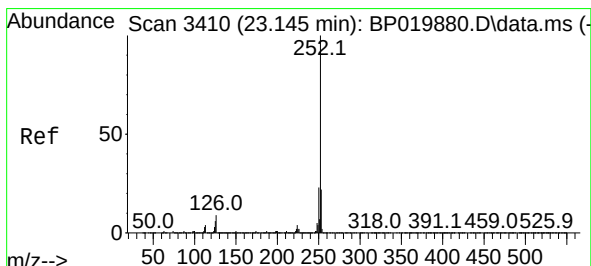
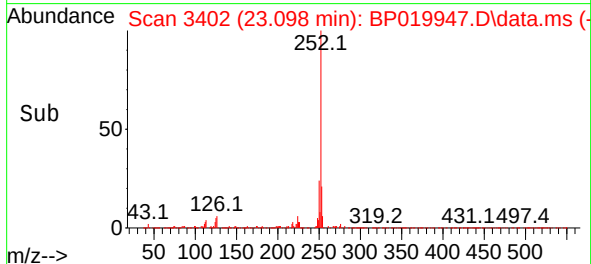
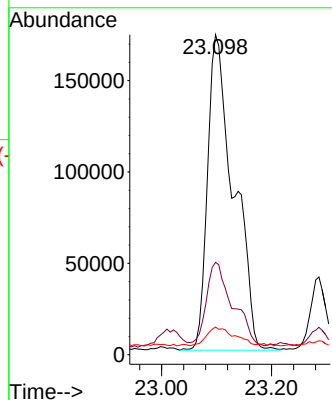
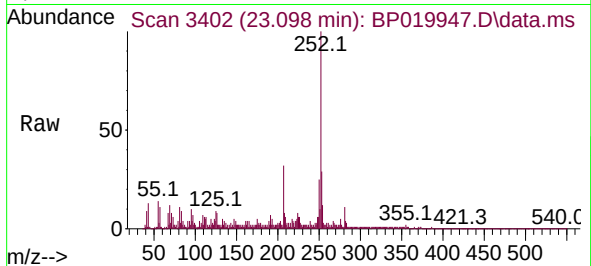




#88
Benzo(b)fluoranthene
Concen: 19.964 ng
RT: 23.098 min Scan# 3401
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

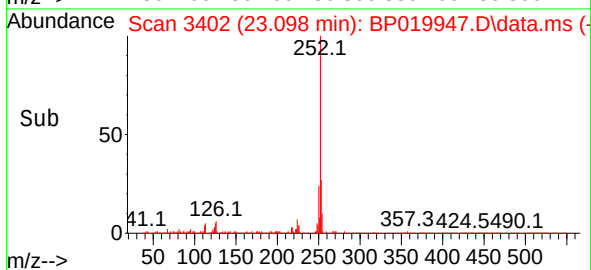
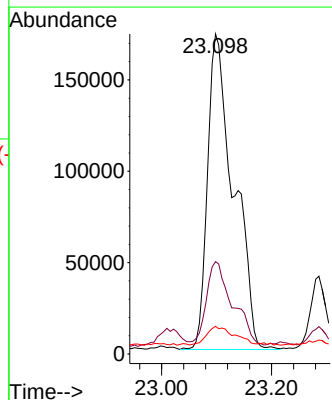
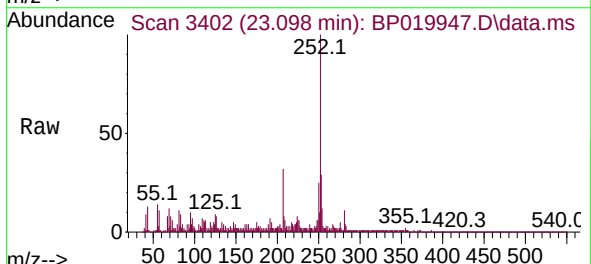
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

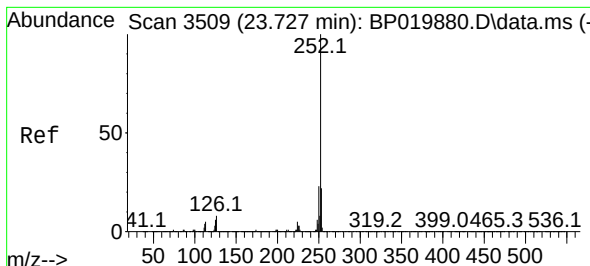
Tgt Ion:252 Resp: 569729
Ion Ratio Lower Upper
252 100
253 28.8 17.6 26.4#
125 8.6 4.6 7.0#



#89
Benzo(k)fluoranthene
Concen: 20.357 ng
RT: 23.098 min Scan# 3402
Delta R.T. -0.076 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:252 Resp: 569729
Ion Ratio Lower Upper
252 100
253 28.8 17.3 25.9#
125 8.6 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 12.674 ng

RT: 23.727 min Scan# 3509

Delta R.T. -0.035 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-A

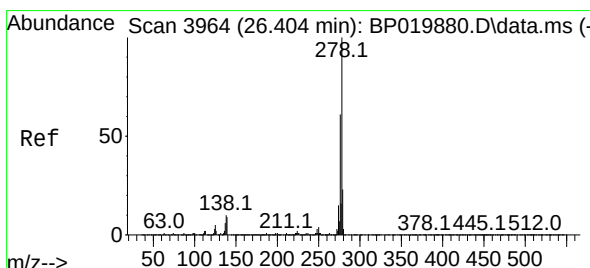
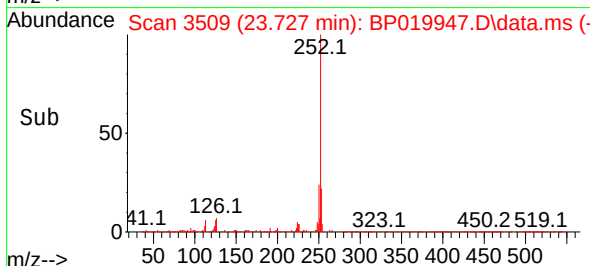
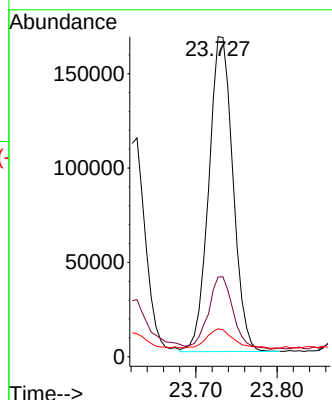
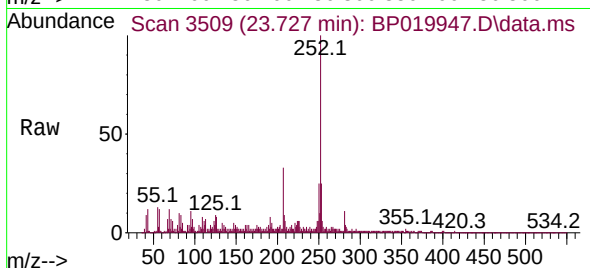
Tgt Ion:252 Resp: 345633

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 8.7 5.2 7.8#



#91

Dibenzo(a,h)anthracene

Concen: 2.237 ng

RT: 26.398 min Scan# 3963

Delta R.T. -0.065 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

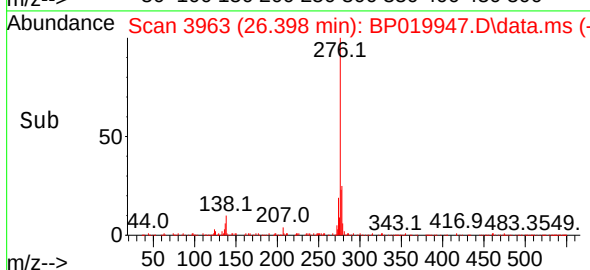
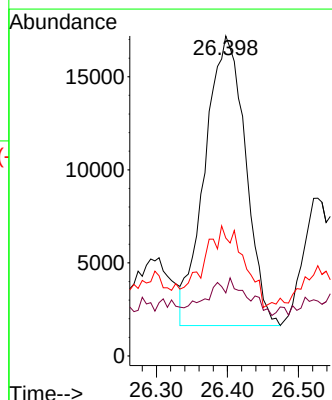
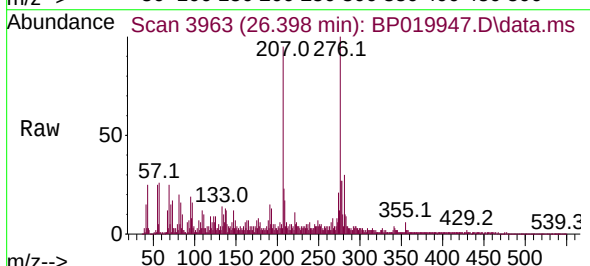
Tgt Ion:278 Resp: 61635

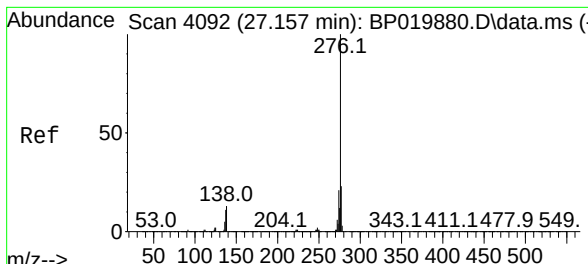
Ion Ratio Lower Upper

278 100

139 19.7 7.4 11.0#

279 36.9 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 8.372 ng
 RT: 27.180 min Scan# 4096
 Delta R.T. -0.047 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

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

Tgt Ion: 276 Resp: 222643

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	11.3	10.2	15.2

