

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021424\
 Data File : BP019713.D
 Acq On : 14 Feb 2024 21:44
 Operator : MA/JU
 Sample : P1464-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PN-2(NORTH-AREA)

Quant Time: Feb 14 23:29:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

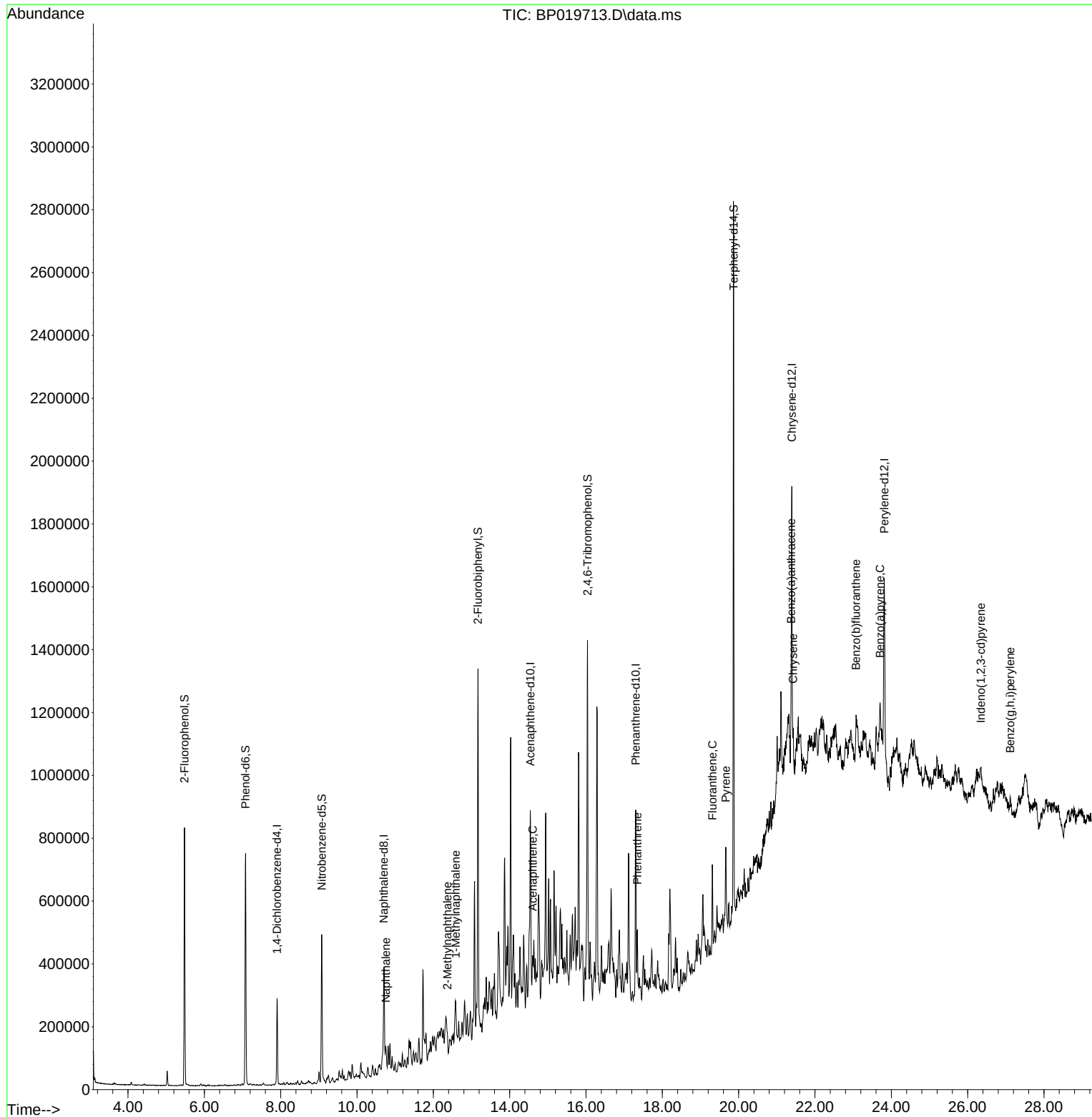
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	74818	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	252432	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	155342	20.000	ng	-0.01
64) Phenanthrene-d10	17.304	188	362834	20.000	ng	0.00
76) Chrysene-d12	21.392	240	395228	20.000	ng	0.00
86) Perylene-d12	23.816	264	472219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	331537	71.428	ng	0.00
7) Phenol-d6	7.081	99	408753	65.312	ng	0.00
23) Nitrobenzene-d5	9.075	82	277457	47.627	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	213811	94.269	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	601231	47.847	ng	-0.01
79) Terphenyl-d14	19.869	244	1157812	48.177	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.757	128	27839	2.011	ng	# 87
37) 2-Methylnaphthalene	12.369	142	28544	2.979	ng	95
38) 1-Methylnaphthalene	12.587	142	55590	5.904	ng	96
52) Acenaphthene	14.604	154	19679	2.221	ng	90
71) Phenanthrene	17.345	178	125561	6.576	ng	96
75) Fluoranthene	19.310	202	143278	6.142	ng	98
78) Pyrene	19.663	202	157238	5.637	ng	97
81) Benzo(a)anthracene	21.374	228	94866	3.410	ng	# 90
83) Chrysene	21.427	228	94150	3.564	ng	# 92
87) Indeno(1,2,3-cd)pyrene	26.345	276	77564	2.146	ng	94
88) Benzo(b)fluoranthene	23.074	252	147295	4.949	ng	# 87
90) Benzo(a)pyrene	23.704	252	107137	4.046	ng	# 83
92) Benzo(g,h,i)perylene	27.115	276	79433	2.634	ng	# 91

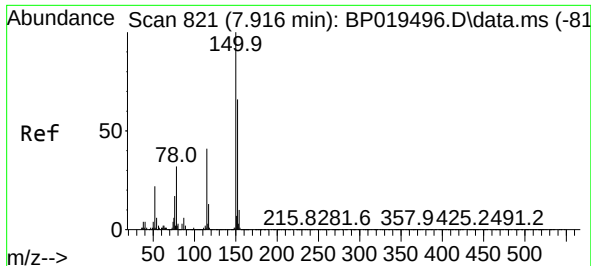
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021424\
Data File : BP019713.D
Acq On : 14 Feb 2024 21:44
Operator : MA/JU
Sample : P1464-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

Quant Time: Feb 14 23:29:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

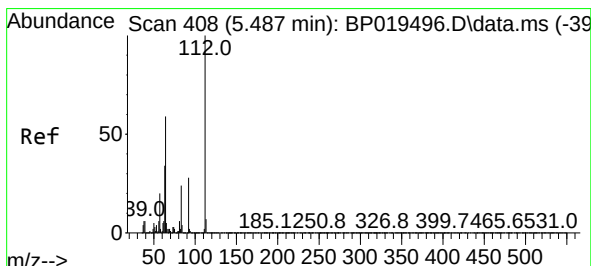
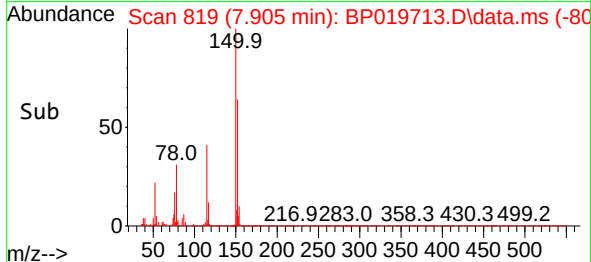
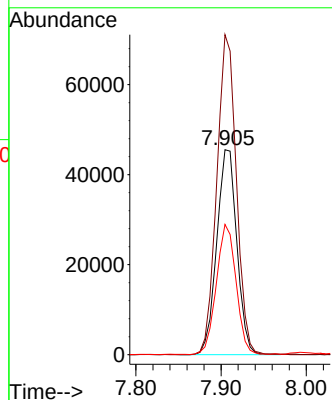
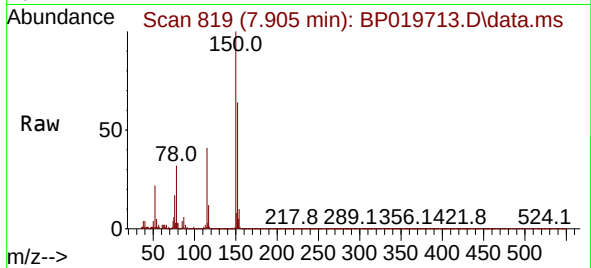




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

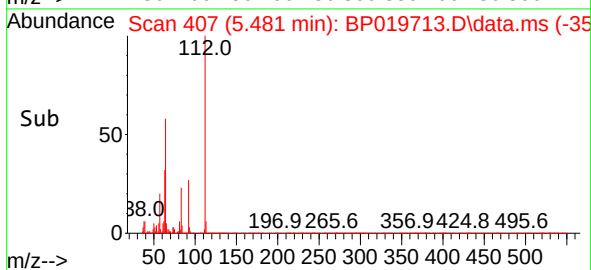
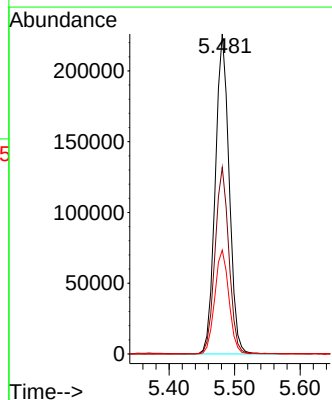
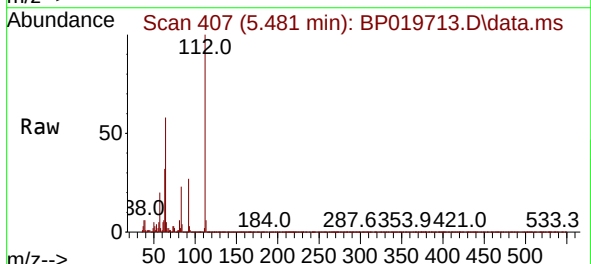
Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

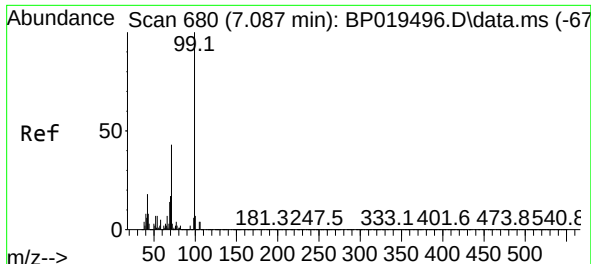
Tgt Ion:152 Resp: 74818
Ion Ratio Lower Upper
152 100
150 156.1 121.8 182.8
115 63.5 49.9 74.9



#5
2-Fluorophenol
Concen: 71.428 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

Tgt Ion:112 Resp: 331537
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 32.5 27.0 40.6

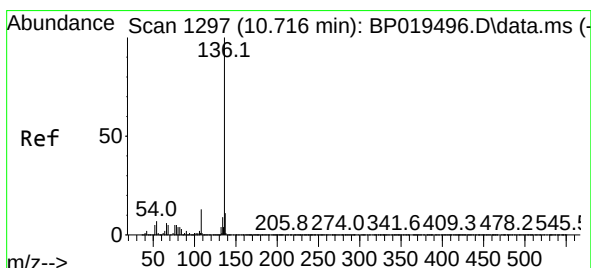
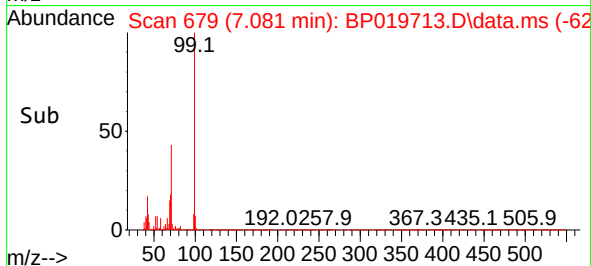
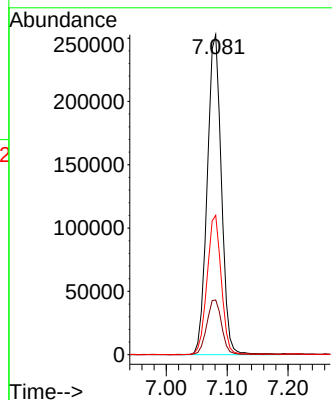
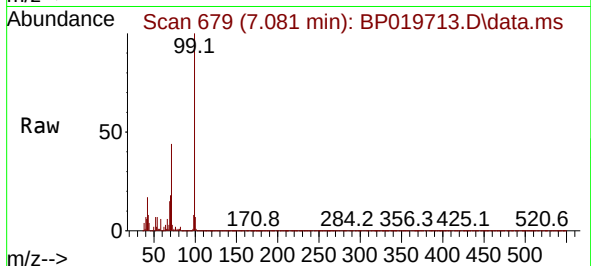




#7
Phenol-d6
Concen: 65.312 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

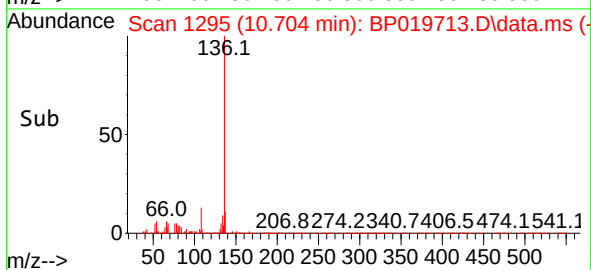
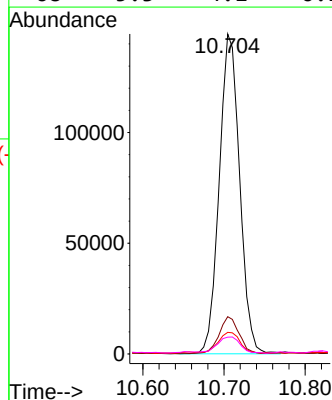
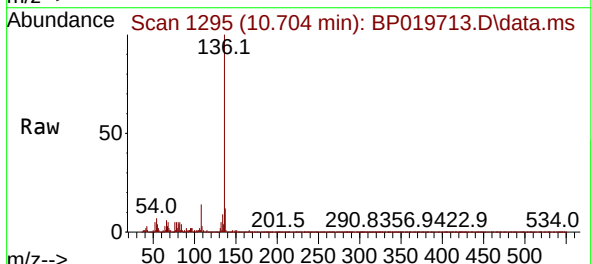
Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

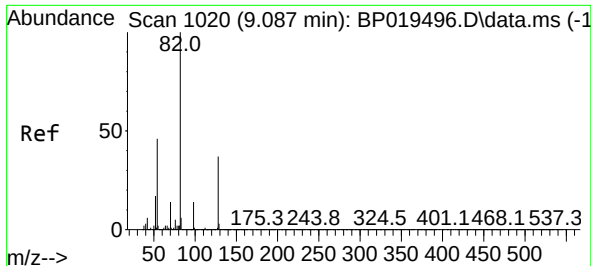
Tgt Ion: 99 Resp: 408753
Ion Ratio Lower Upper
99 100
42 17.1 14.7 22.1
71 43.5 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

Tgt Ion: 136 Resp: 252432
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 6.7 5.3 7.9
68 5.3 4.1 6.1

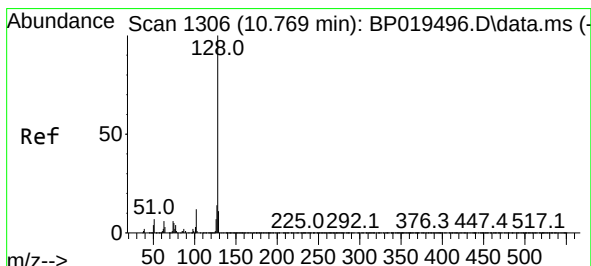
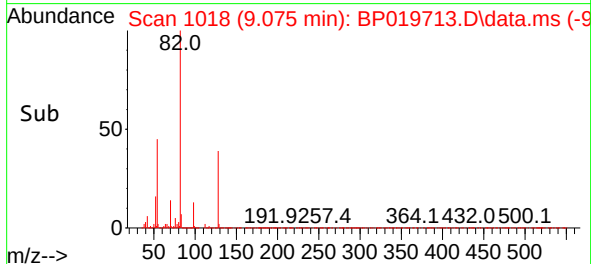
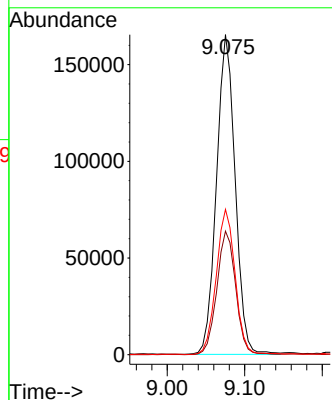
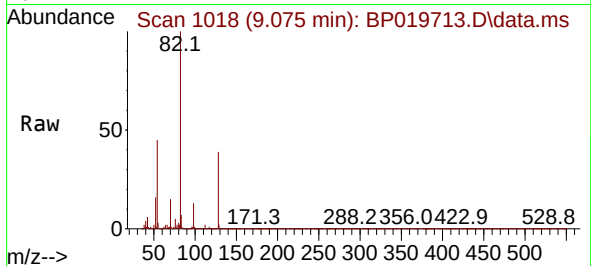




#23
Nitrobenzene-d5
Concen: 47.627 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

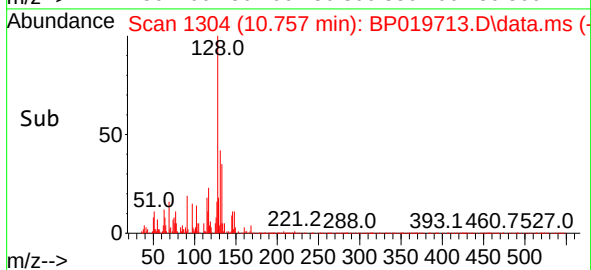
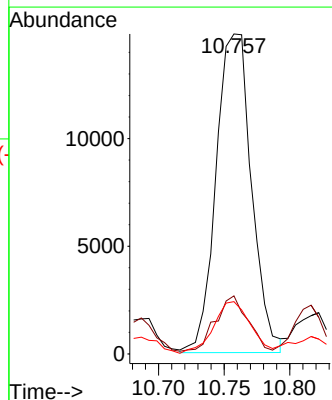
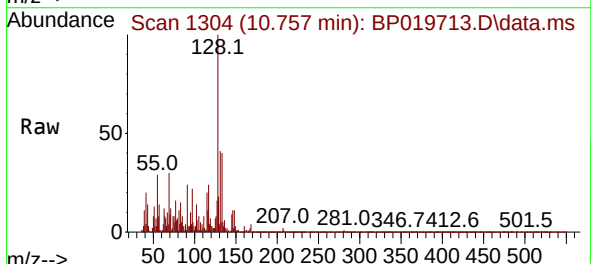
Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

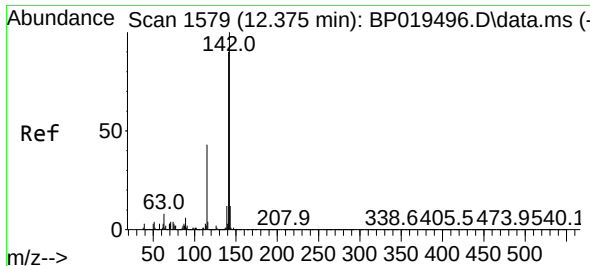
Tgt Ion: 82 Resp: 277457
Ion Ratio Lower Upper
82 100
128 38.6 29.7 44.5
54 45.4 36.8 55.2



#31
Naphthalene
Concen: 2.011 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.011 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

Tgt Ion:128 Resp: 27839
Ion Ratio Lower Upper
128 100
129 18.2 8.6 13.0#
127 16.4 10.8 16.2#

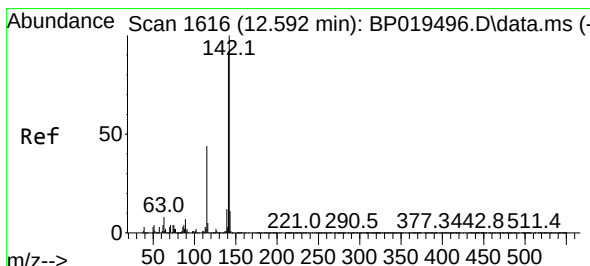
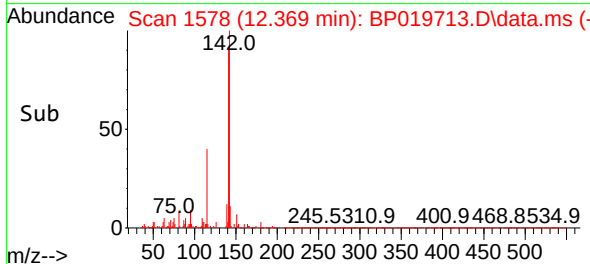
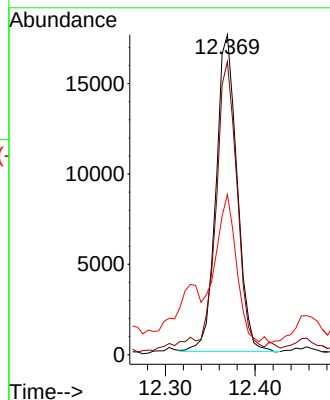
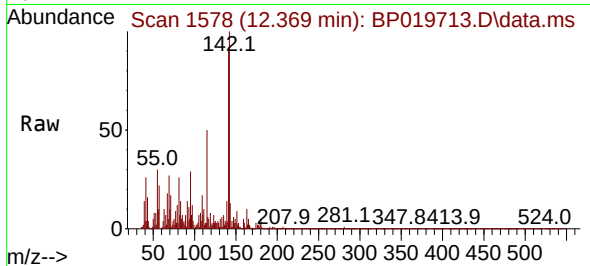




#37
2-Methylnaphthalene
Concen: 2.979 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

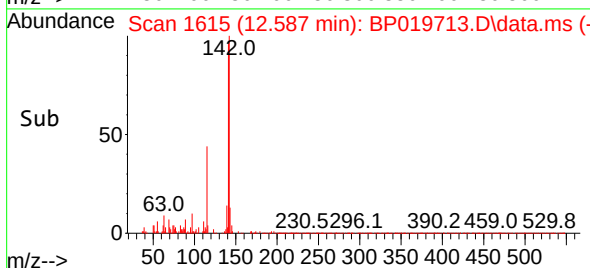
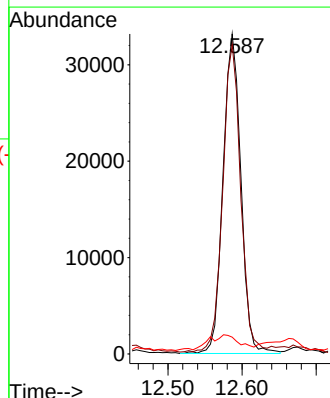
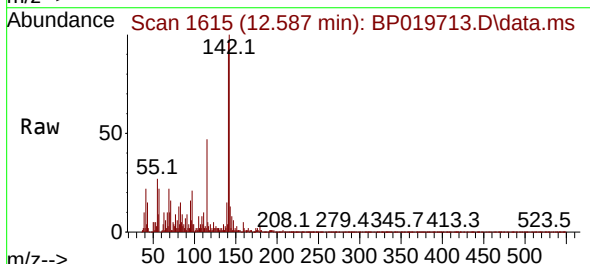
Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

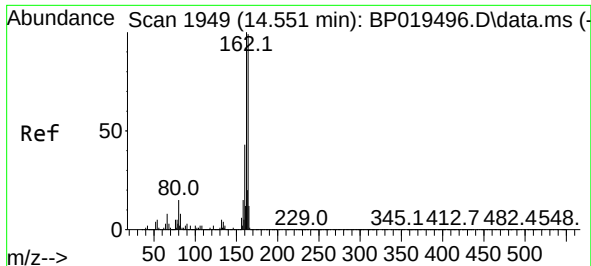
Tgt Ion:142 Resp: 28544
Ion Ratio Lower Upper
142 100
141 91.6 72.2 108.4
115 50.1 34.2 51.2



#38
1-Methylnaphthalene
Concen: 5.904 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

Tgt Ion:142 Resp: 55590
Ion Ratio Lower Upper
142 100
141 96.7 74.0 111.0
116 5.3 3.7 5.5

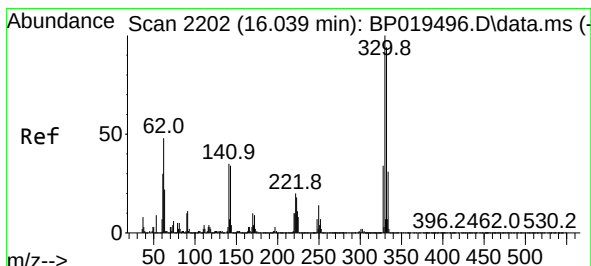
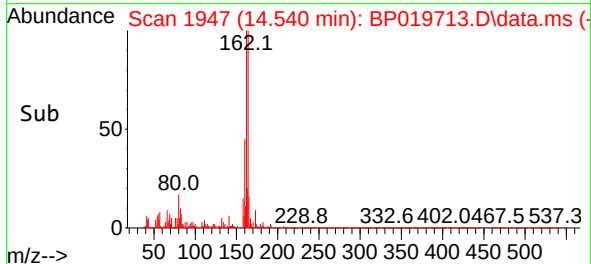
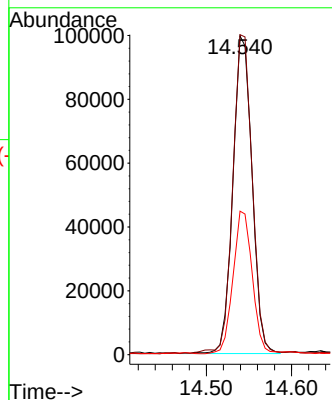
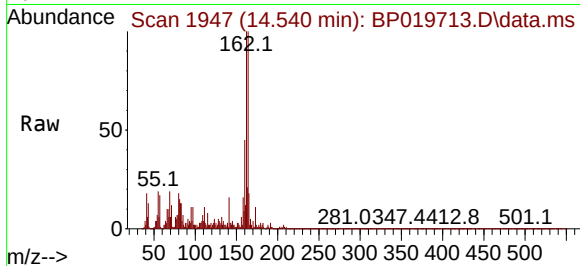




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

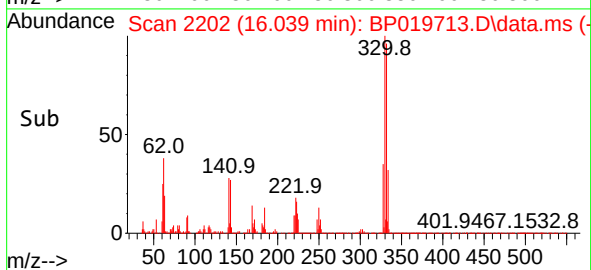
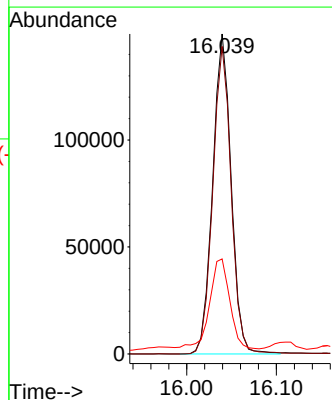
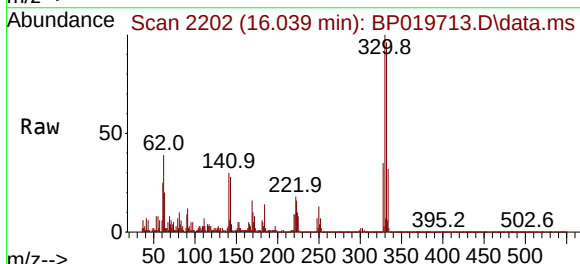
Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

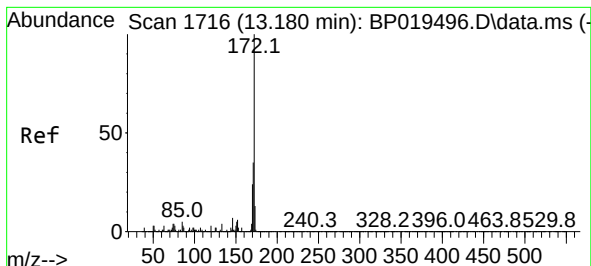
Tgt Ion:164 Resp: 155342
Ion Ratio Lower Upper
164 100
162 100.4 81.2 121.8
160 45.0 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 94.269 ng
RT: 16.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

Tgt Ion:330 Resp: 213811
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 30.5 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 47.847 ng

RT: 13.169 min Scan# 1

Delta R.T. -0.011 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

Instrument :

BNA_P

ClientSampleId :

PN-2(NORTH-AREA)

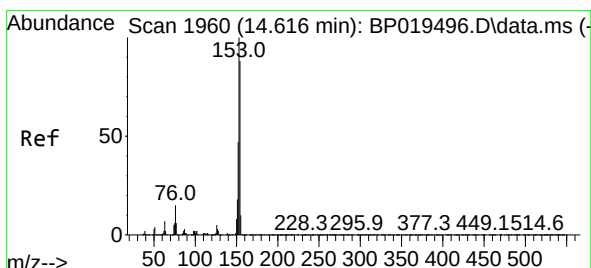
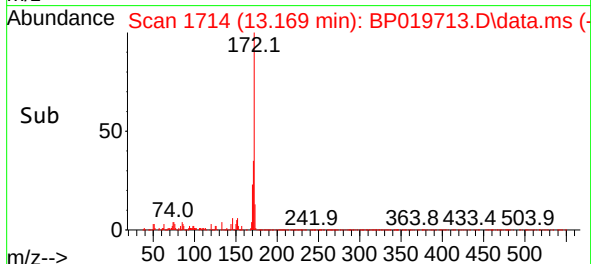
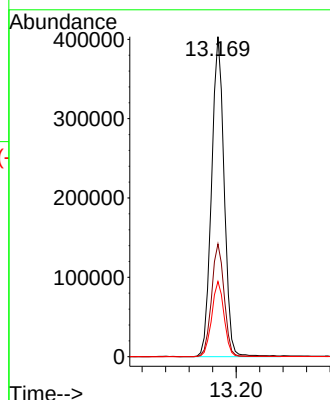
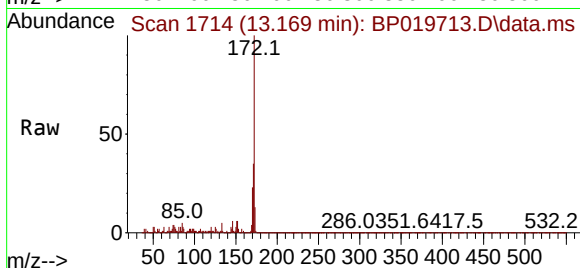
Tgt Ion:172 Resp: 601231

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.5 18.9 28.3



#52

Acenaphthene

Concen: 2.221 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

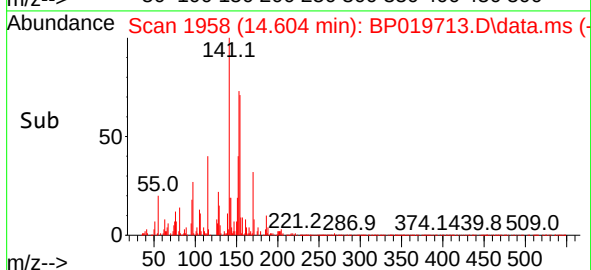
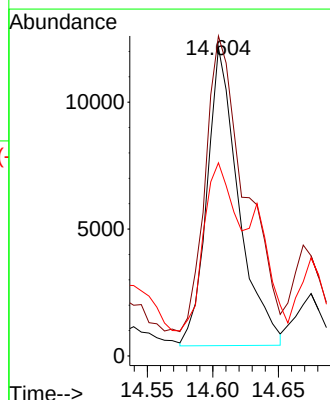
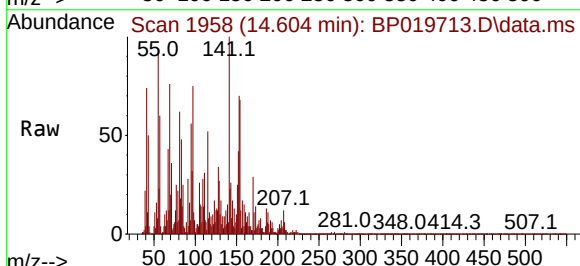
Tgt Ion:154 Resp: 19679

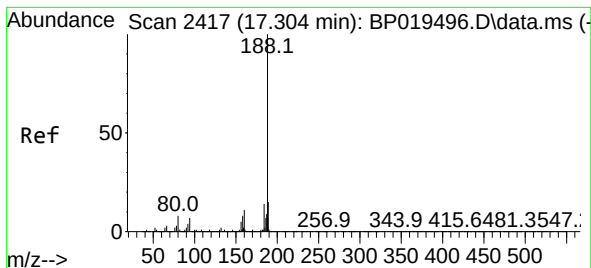
Ion Ratio Lower Upper

154 100

153 103.8 90.5 135.7

152 62.6 42.1 63.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

Instrument :

BNA_P

ClientSampleId :

PN-2(NORTH-AREA)

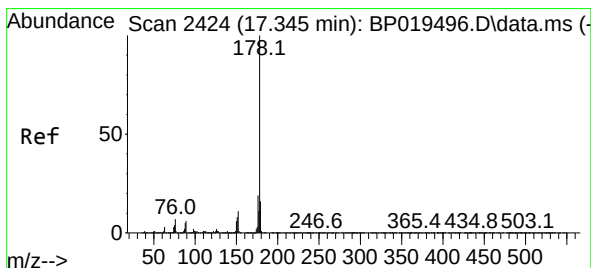
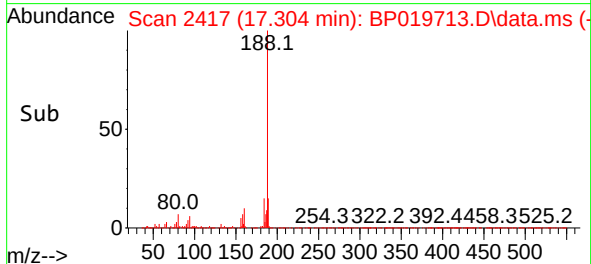
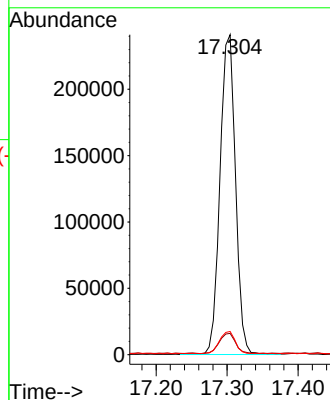
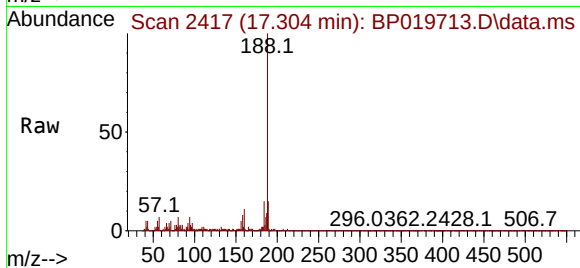
Tgt Ion:188 Resp: 362834

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 7.2 6.3 9.5



#71

Phenanthrene

Concen: 6.576 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

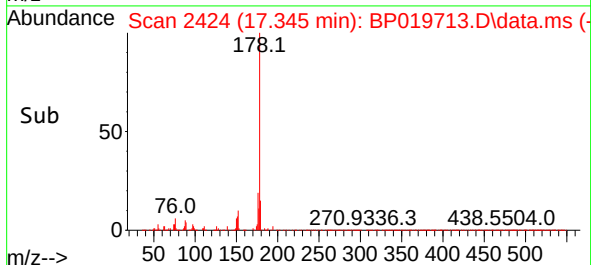
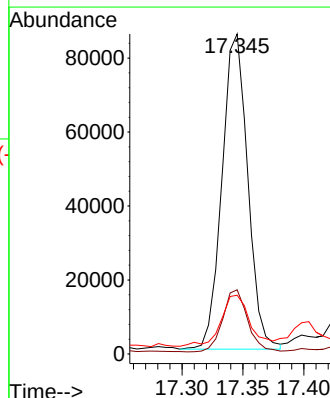
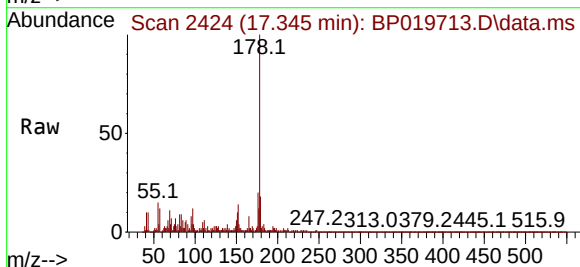
Tgt Ion:178 Resp: 125561

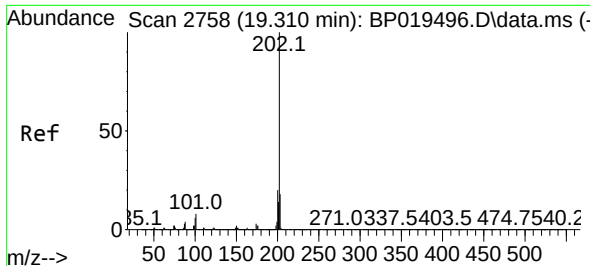
Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

179 18.4 12.6 19.0

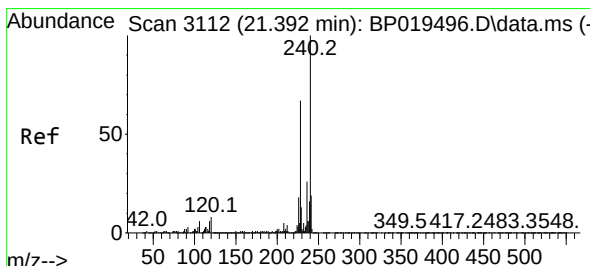
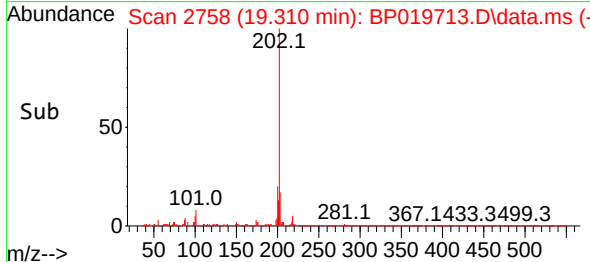
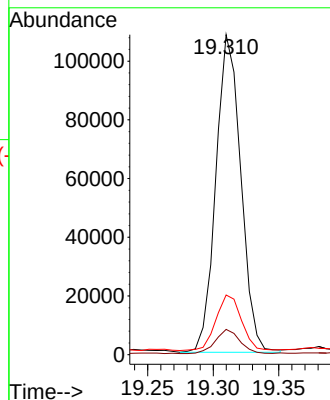
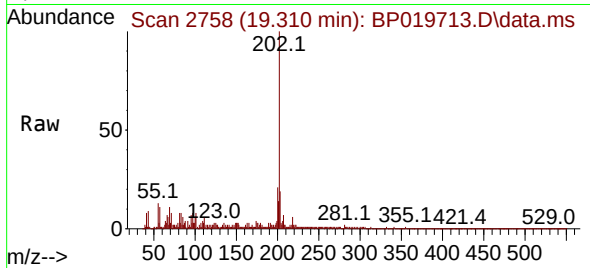




#75
Fluoranthene
Concen: 6.142 ng
RT: 19.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

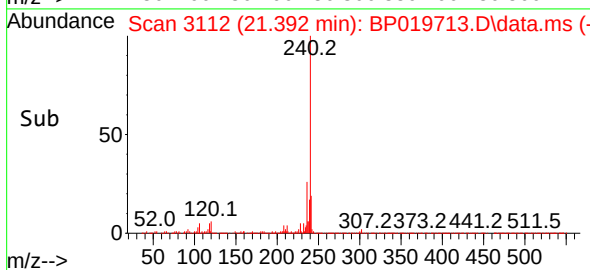
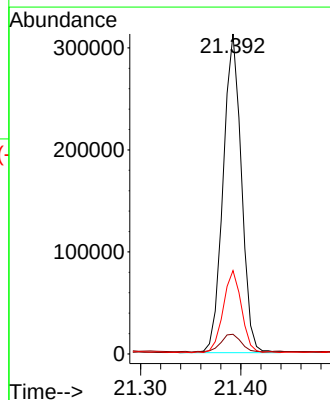
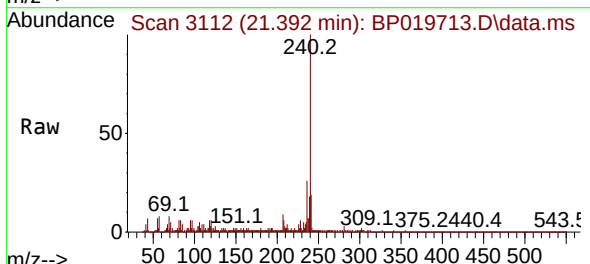
Instrument :
BNA_P
ClientSampleId :
PN-2(NORTH-AREA)

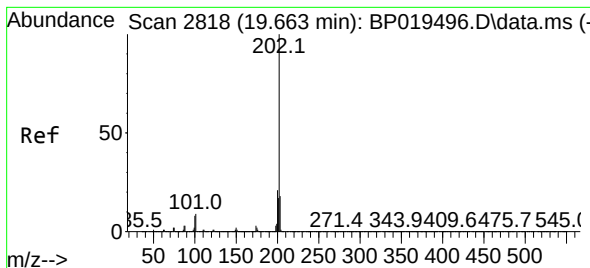
Tgt Ion:202 Resp: 143278
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.7
203 18.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP019713.D
Acq: 14 Feb 2024 21:44

Tgt Ion:240 Resp: 395228
Ion Ratio Lower Upper
240 100
120 6.1 6.1 9.1
236 26.0 20.7 31.1





#78

Pyrene

Concen: 5.637 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

Instrument :

BNL_P

ClientSampleId :

PN-2(NORTH-AREA)

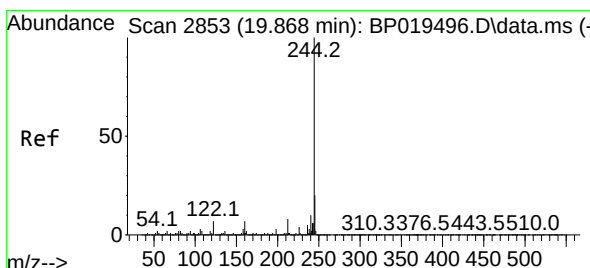
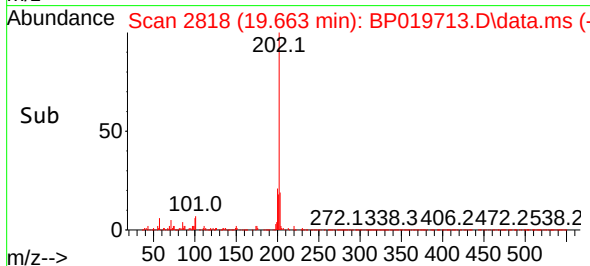
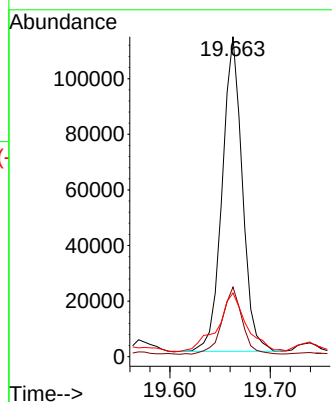
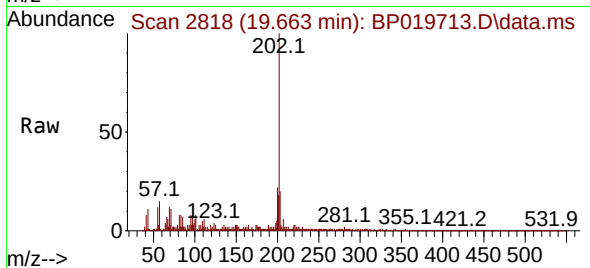
Tgt Ion:202 Resp: 157238

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 19.9 14.2 21.2



#79

Terphenyl-d14

Concen: 48.177 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

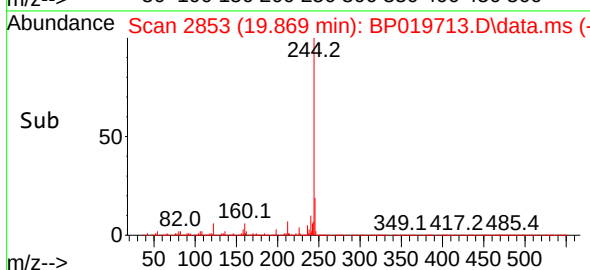
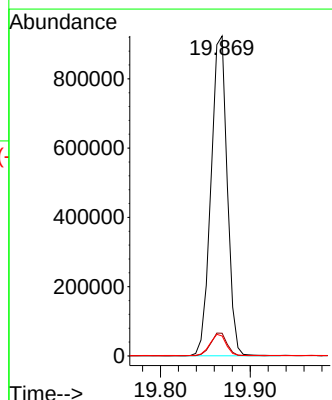
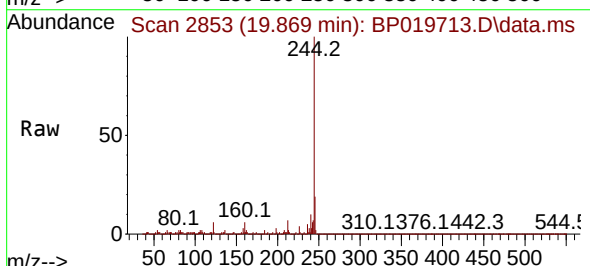
Tgt Ion:244 Resp: 1157812

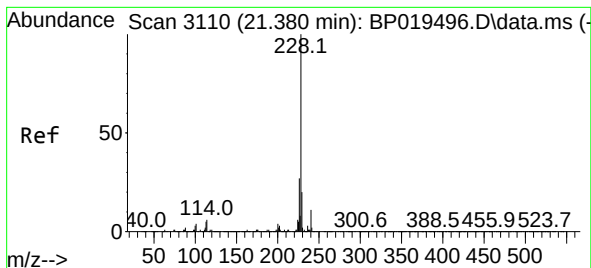
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.2 5.9 8.9





#81

Benzo(a)anthracene

Concen: 3.410 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

Instrument :

BNA_P

ClientSampleId :

PN-2(NORTH-AREA)

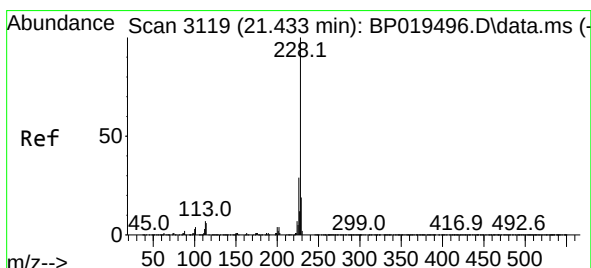
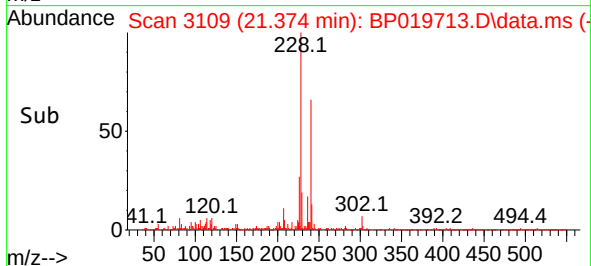
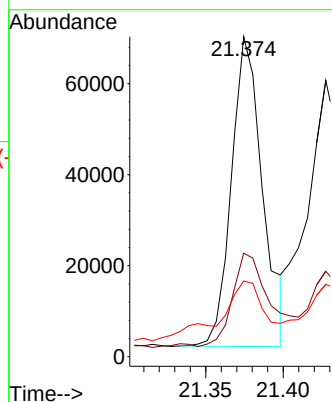
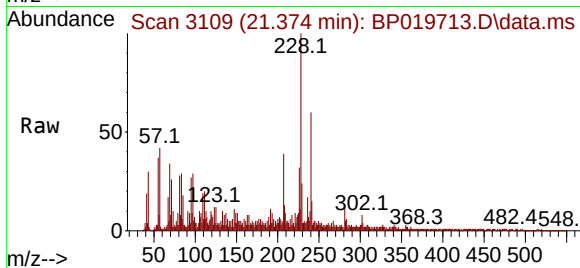
Tgt Ion:228 Resp: 94866

Ion Ratio Lower Upper

228 100

226 32.4 21.7 32.5

229 23.6 15.6 23.4#



#83

Chrysene

Concen: 3.564 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

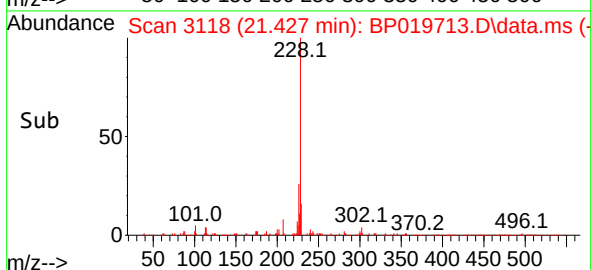
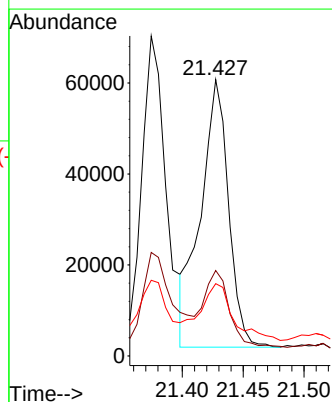
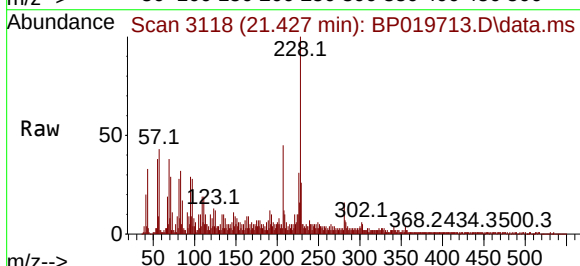
Tgt Ion:228 Resp: 94150

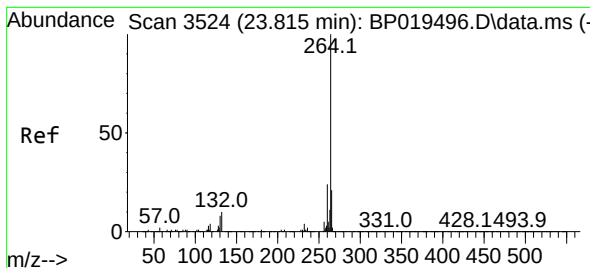
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 26.2 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.816 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

Instrument :

BNA_P

ClientSampleId :

PN-2(NORTH-AREA)

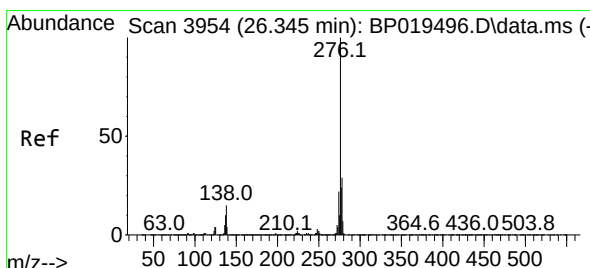
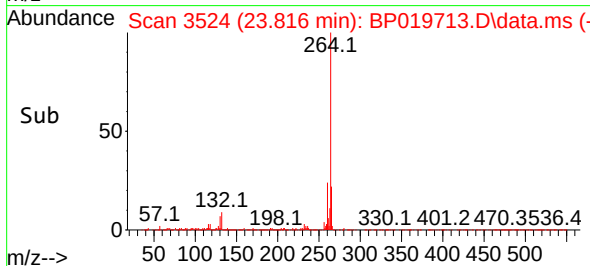
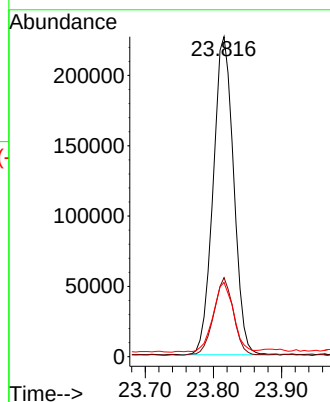
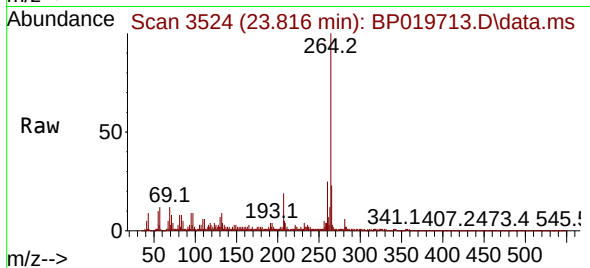
Tgt Ion:264 Resp: 472219

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 23.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.146 ng

RT: 26.345 min Scan# 3954

Delta R.T. 0.000 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

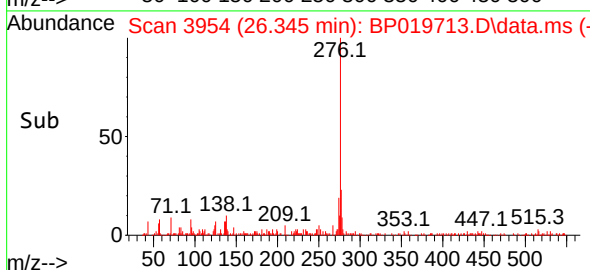
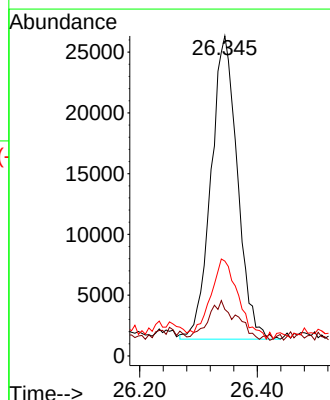
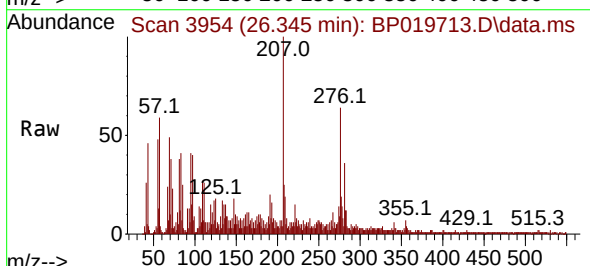
Tgt Ion:276 Resp: 77564

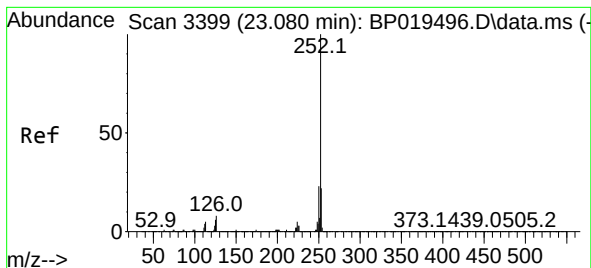
Ion Ratio Lower Upper

276 100

138 13.5 13.1 19.7

277 28.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 4.949 ng

RT: 23.074 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

Instrument :

BNA_P

ClientSampleId :

PN-2(NORTH-AREA)

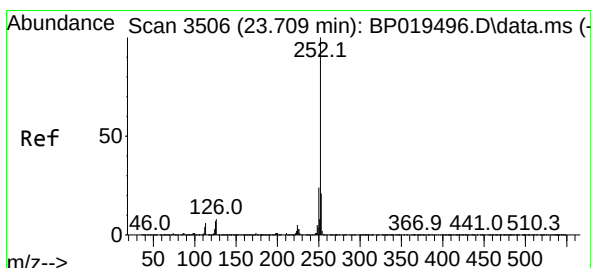
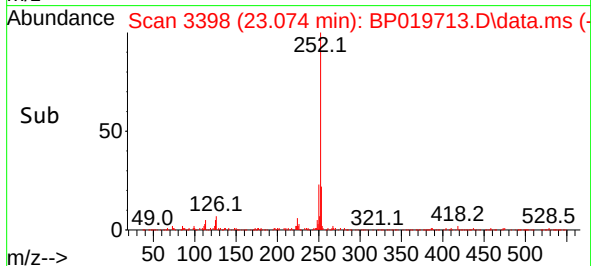
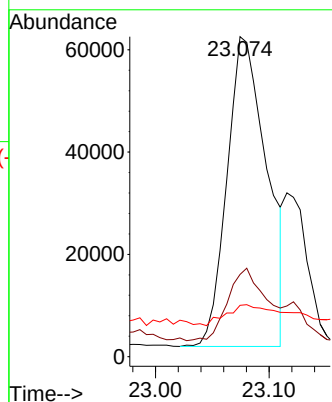
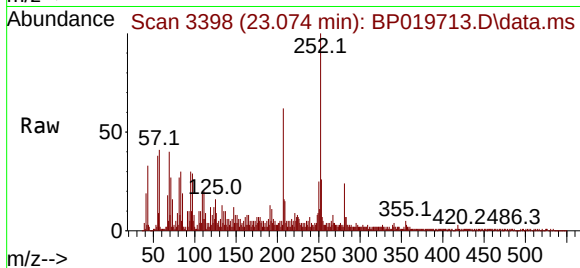
Tgt Ion:252 Resp: 147295

Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 16.1 4.9 7.3#



#90

Benzo(a)pyrene

Concen: 4.046 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019713.D

Acq: 14 Feb 2024 21:44

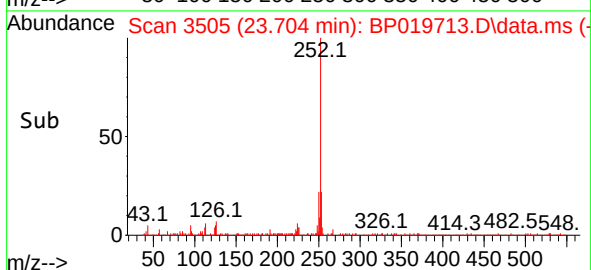
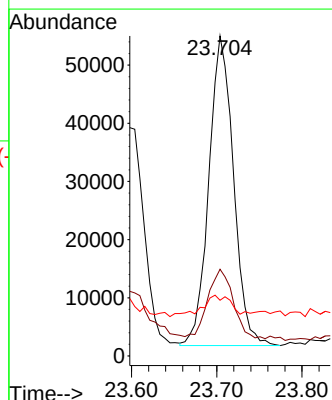
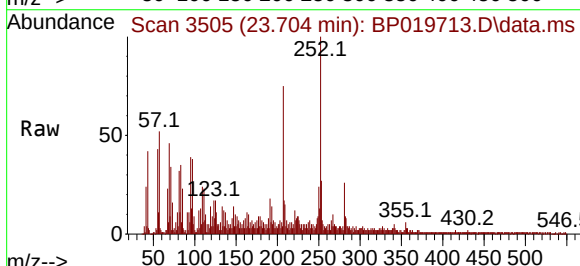
Tgt Ion:252 Resp: 107137

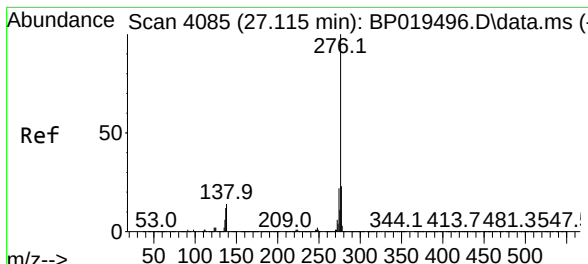
Ion Ratio Lower Upper

252 100

253 27.1 17.1 25.7#

125 17.4 5.6 8.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.634 ng
 RT: 27.115 min Scan# 4085
 Delta R.T. 0.000 min
 Lab File: BP019713.D
 Acq: 14 Feb 2024 21:44

Instrument :
 BNA_P
 ClientSampleId :
 PN-2(NORTH-AREA)

Tgt Ion:	276	Resp:	79433
Ion Ratio	Lower	Upper	
276	100		
277	28.1	18.6	28.0#
138	16.8	10.9	16.3#

