

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019637.D
 Acq On : 09 Feb 2024 17:53
 Operator : MA/JU
 Sample : P1387-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Quant Time: Feb 09 18:17:04 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)

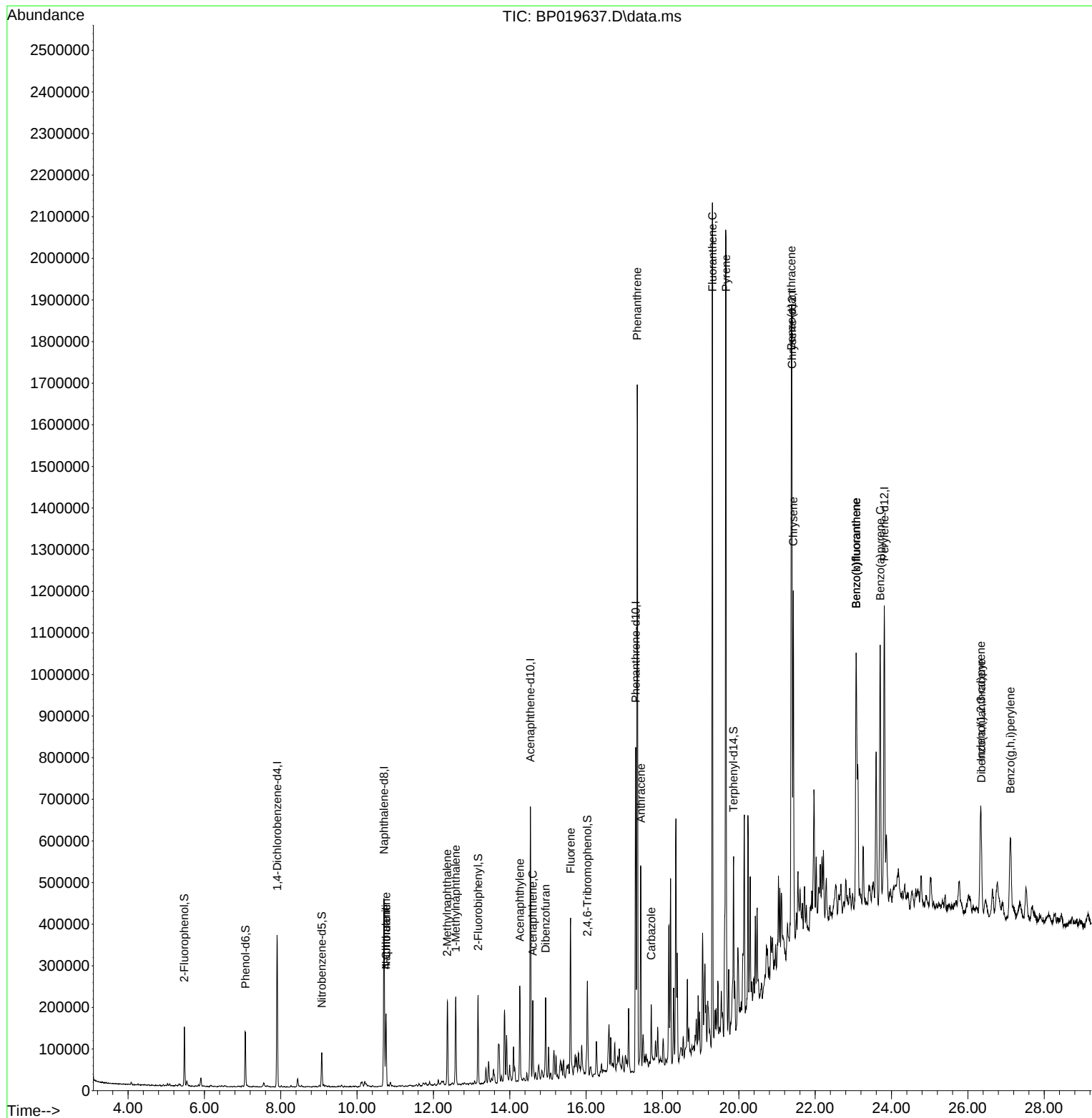
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	98519	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	363374	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	223514	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	489298	20.000	ng	0.00
76) Chrysene-d12	21.392	240	518048	20.000	ng	0.00
86) Perylene-d12	23.810	264	596673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	56013	9.165	ng	-0.01
7) Phenol-d6	7.075	99	73035	8.862	ng	-0.01
23) Nitrobenzene-d5	9.075	82	49915	5.952	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	32845	10.064	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	112318	6.212	ng	-0.01
79) Terphenyl-d14	19.863	244	192064	6.097	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.758	128	137994	6.924	ng	99
33) 4-Chloroaniline	10.758	127	18408	2.498	ng	# 31
37) 2-Methylnaphthalene	12.363	142	94968	6.886	ng	97
38) 1-Methylnaphthalene	12.587	142	95373	7.037	ng	96
49) Acenaphthylene	14.263	152	144711	7.044	ng	97
52) Acenaphthene	14.604	154	66093	5.183	ng	97
55) Dibenzofuran	14.940	168	82375	3.966	ng	# 93
58) Fluorene	15.593	166	174821	10.569	ng	96
71) Phenanthrene	17.340	178	1038145	40.316	ng	99
72) Anthracene	17.434	178	322478	12.554	ng	99
73) Carbazole	17.704	167	81665	3.500	ng	99
75) Fluoranthene	19.310	202	1211161	38.503	ng	99
78) Pyrene	19.663	202	1253975	34.298	ng	100
81) Benzo(a)anthracene	21.375	228	601291	16.489	ng	93
83) Chrysene	21.428	228	514522	14.861	ng	96
87) Indeno(1,2,3-cd)pyrene	26.339	276	308975	6.765	ng	96
88) Benzo(b)fluoranthene	23.075	252	614913	16.352	ng	97
89) Benzo(k)fluoranthene	23.075	252	614913	17.118	ng	97
90) Benzo(a)pyrene	23.704	252	528047	15.781	ng	97
91) Dibenzo(a,h)anthracene	26.351	278	86743	2.309	ng	# 89
92) Benzo(g,h,i)perylene	27.115	276	304085	7.979	ng	96

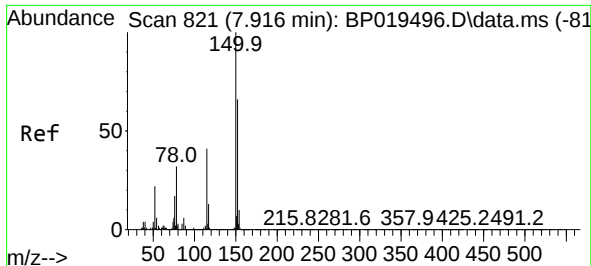
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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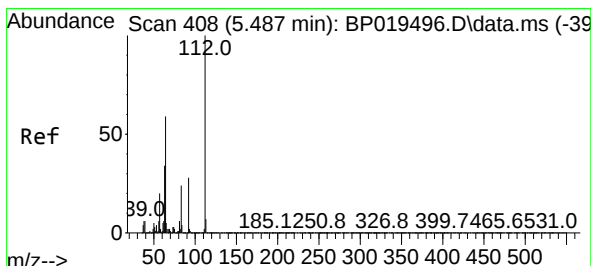
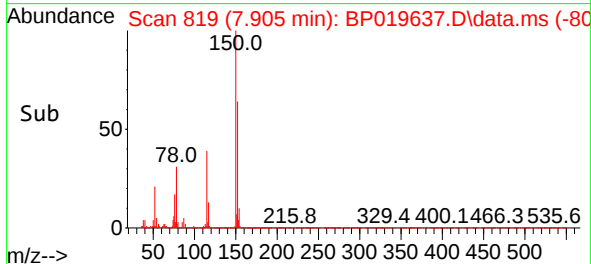
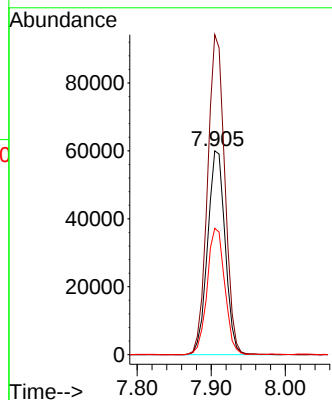
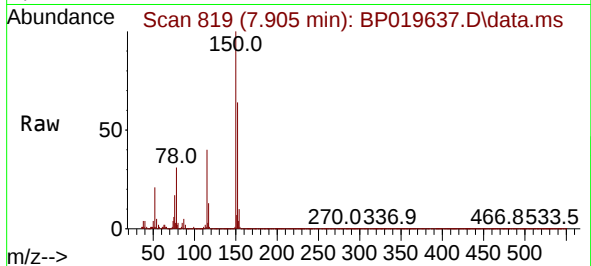




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

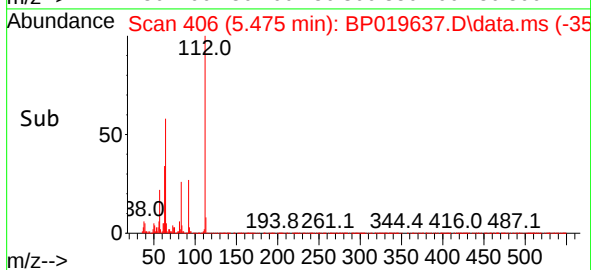
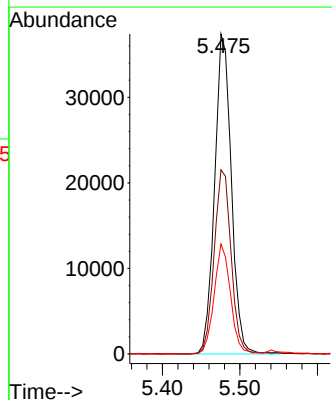
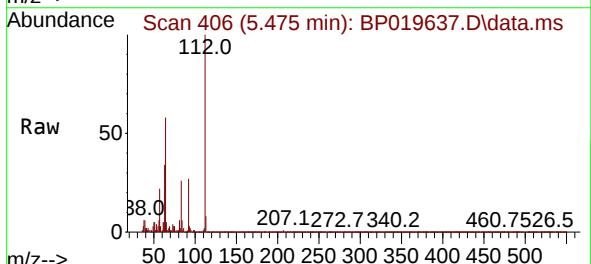
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

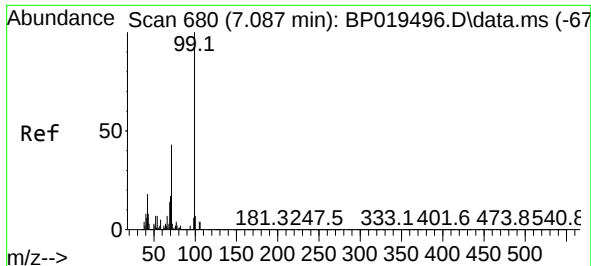
Tgt Ion:152 Resp: 98519
Ion Ratio Lower Upper
152 100
150 157.0 121.8 182.8
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 9.165 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:112 Resp: 56013
Ion Ratio Lower Upper
112 100
64 57.6 47.4 71.0
63 34.4 27.0 40.6

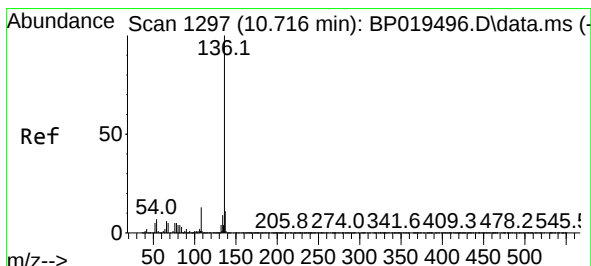
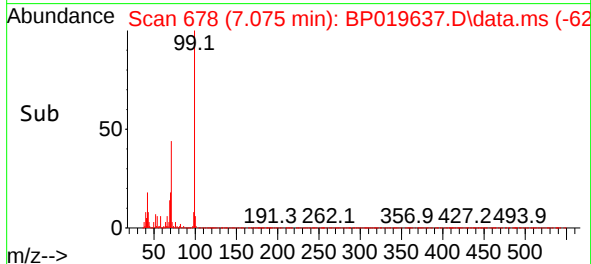
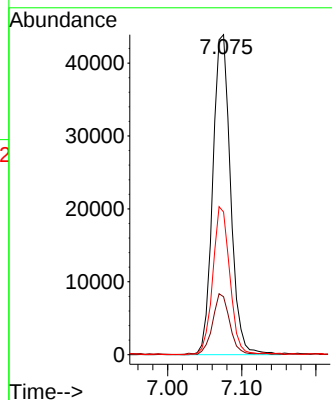
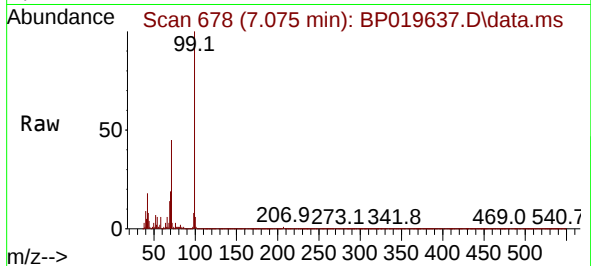




#7
Phenol-d6
Concen: 8.862 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

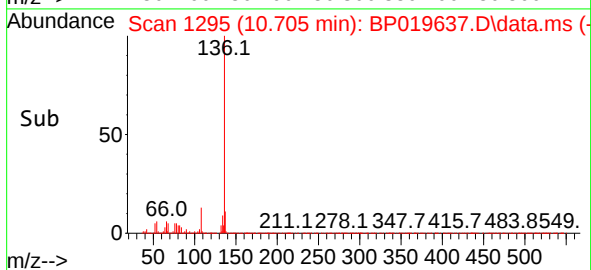
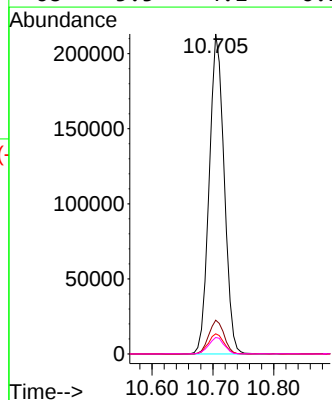
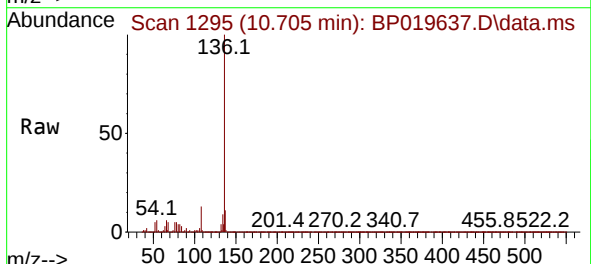
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

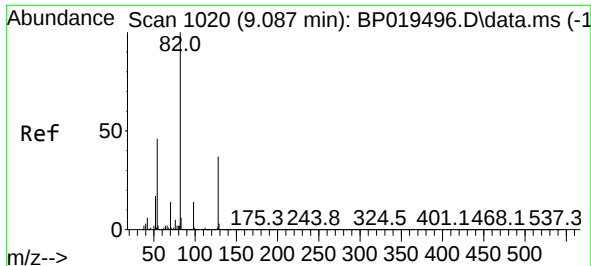
Tgt Ion: 99 Resp: 73035
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 44.6 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion: 136 Resp: 363374
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.3 5.3 7.9
68 5.5 4.1 6.1

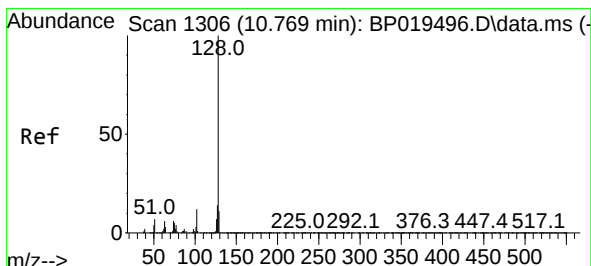
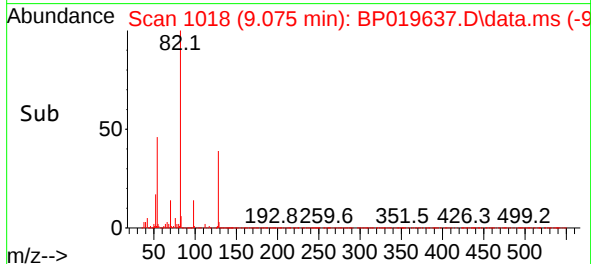
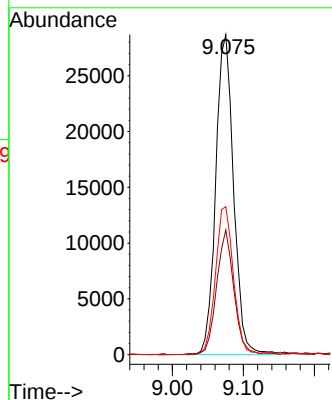
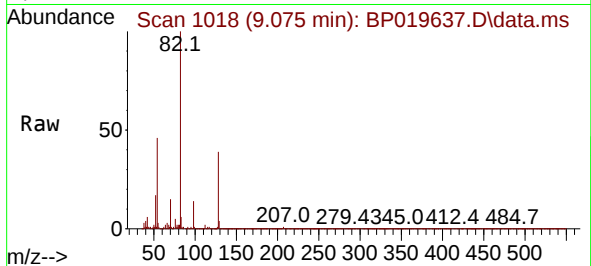




#23
Nitrobenzene-d5
Concen: 5.952 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

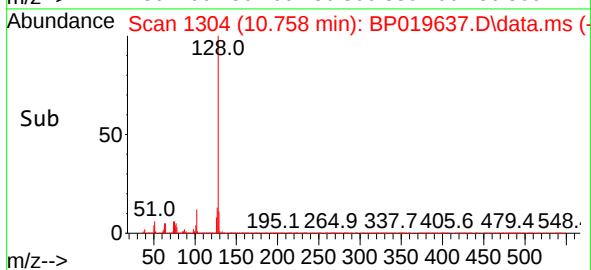
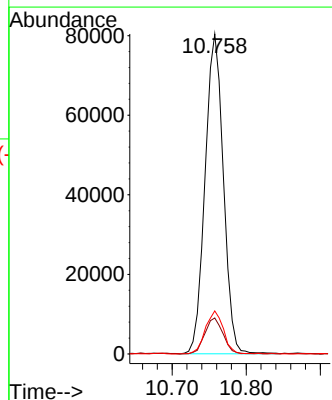
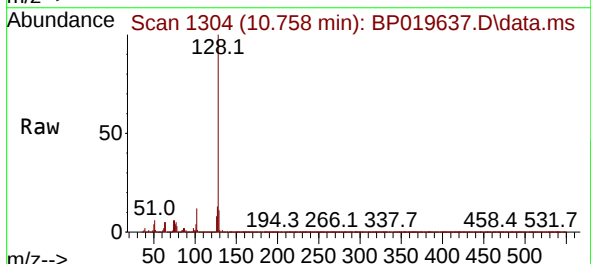
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

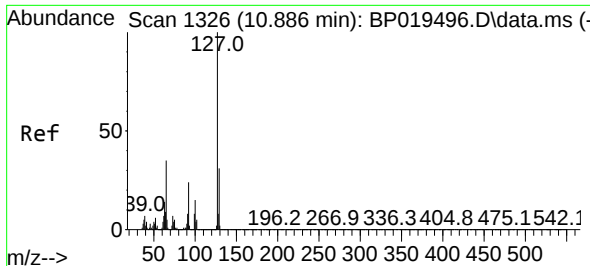
Tgt Ion: 82 Resp: 49915
Ion Ratio Lower Upper
82 100
128 38.9 29.7 44.5
54 46.2 36.8 55.2



#31
Naphthalene
Concen: 6.924 ng
RT: 10.758 min Scan# 1304
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion: 128 Resp: 137994
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.4 10.8 16.2

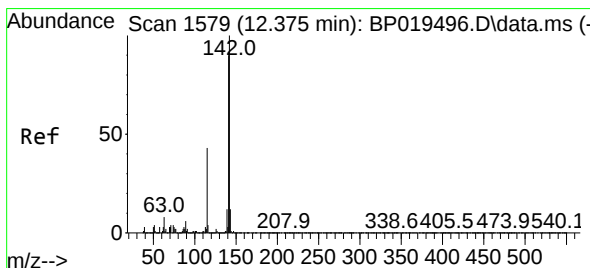
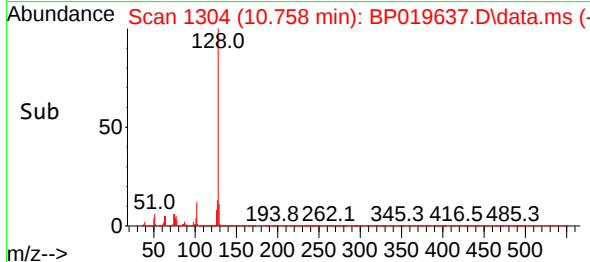
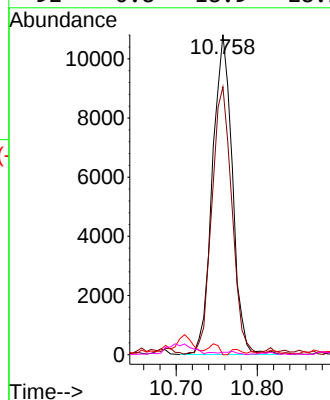
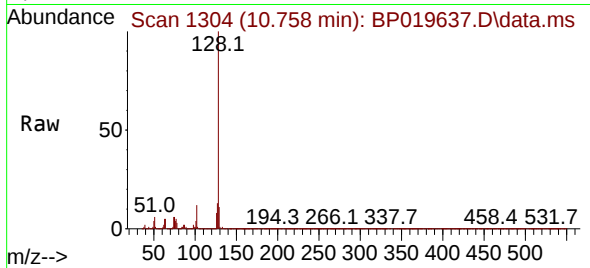




#33
4-Chloroaniline
Concen: 2.498 ng
RT: 10.758 min Scan# 11
Delta R.T. -0.129 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

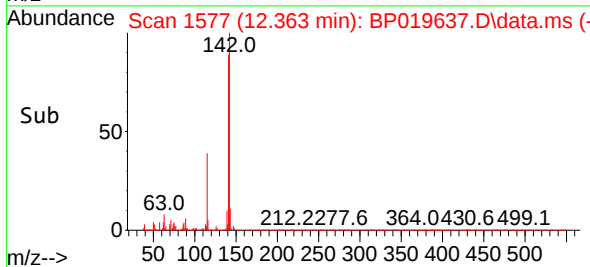
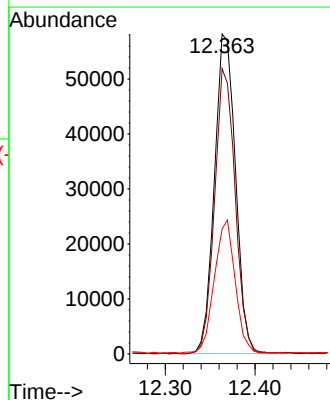
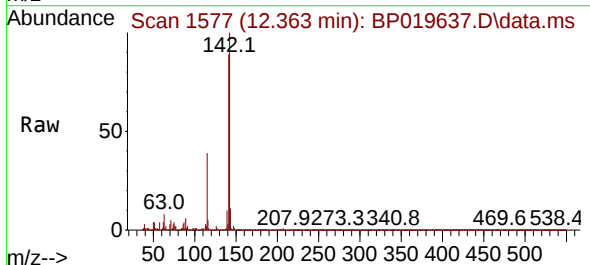
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

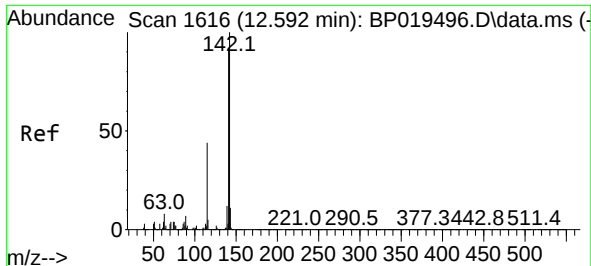
Tgt Ion:	127	Resp:	18408
Ion	Ratio	Lower	Upper
127	100		
129	83.7	24.6	36.8#
65	0.0	28.2	42.4#
92	0.8	18.9	28.3#



#37
2-Methylnaphthalene
Concen: 6.886 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:	142	Resp:	94968
Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.2	108.4
115	39.1	34.2	51.2

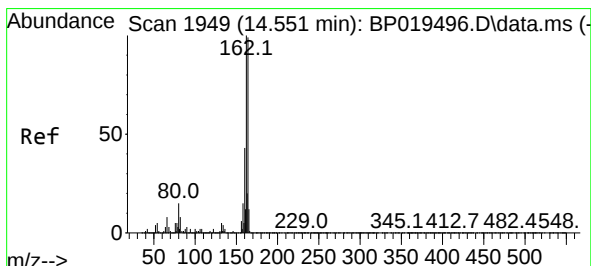
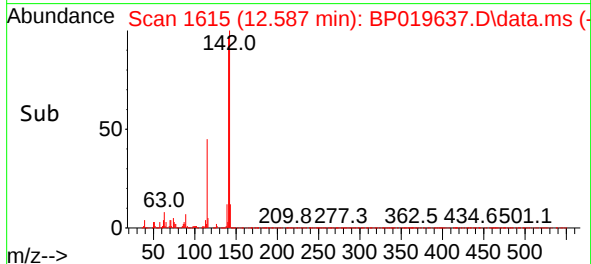
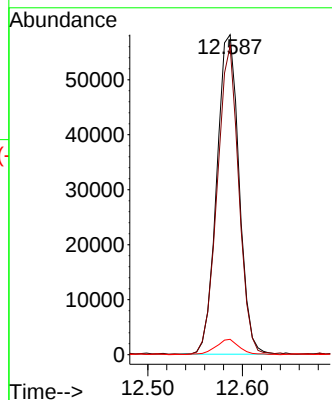
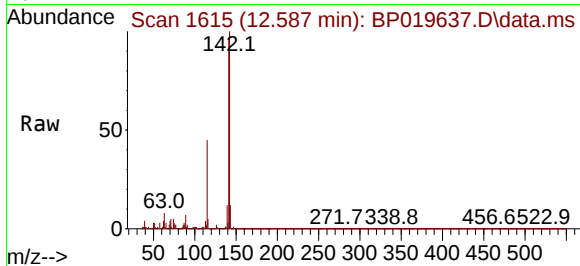




#38
1-Methylnaphthalene
Concen: 7.037 ng
RT: 12.587 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

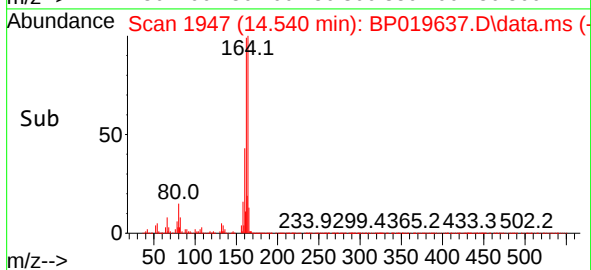
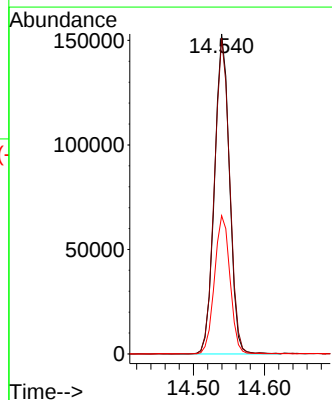
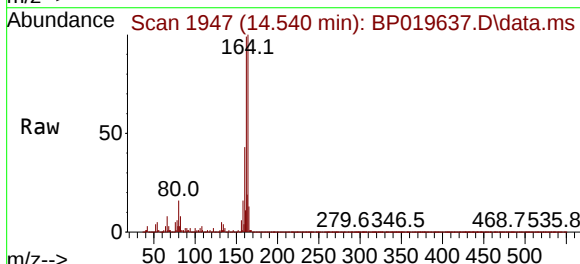
Instrument :
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ClientSampleId :
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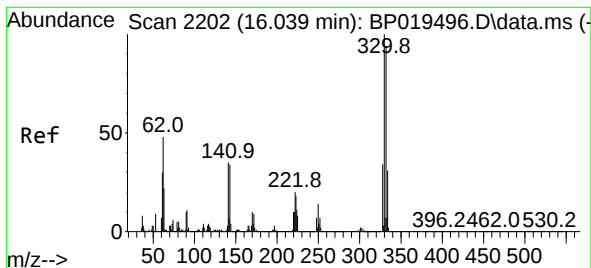
Tgt Ion:142 Resp: 95373
Ion Ratio Lower Upper
142 100
141 96.5 74.0 111.0
116 4.8 3.7 5.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:164 Resp: 223514
Ion Ratio Lower Upper
164 100
162 98.7 81.2 121.8
160 43.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 10.064 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

Instrument :

BNA_P

ClientSampleId :

HD-01-020724DL

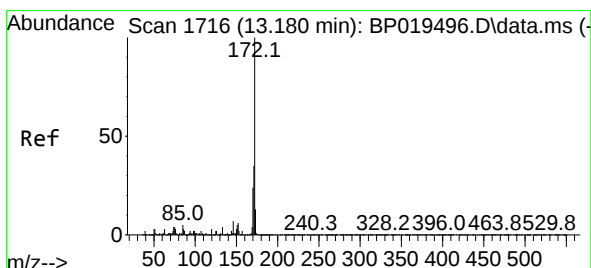
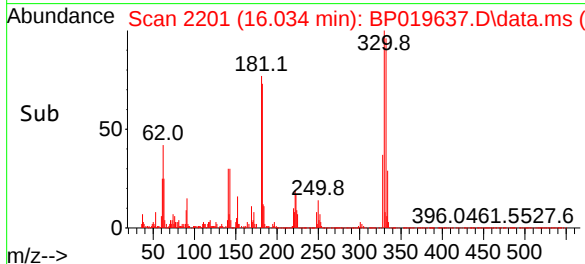
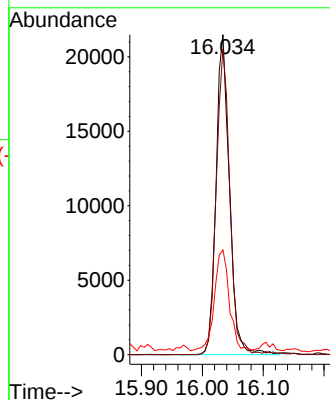
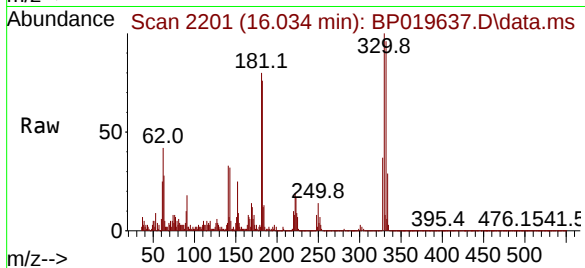
Tgt Ion:330 Resp: 32845

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

141 35.2 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 6.212 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.011 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

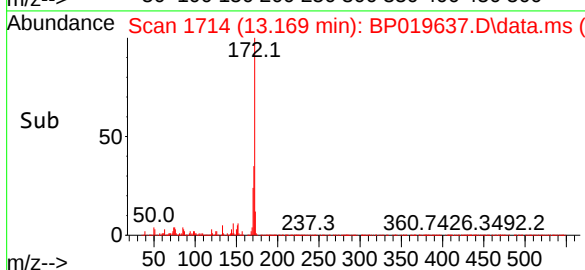
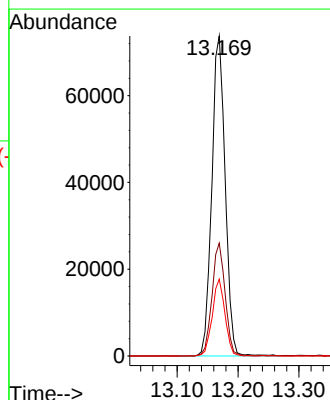
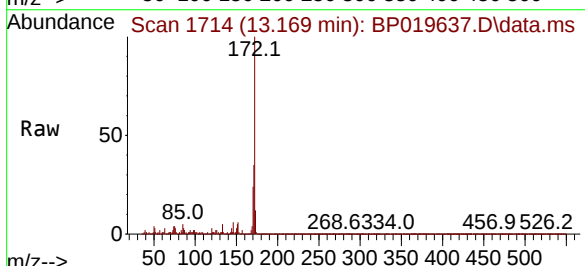
Tgt Ion:172 Resp: 112318

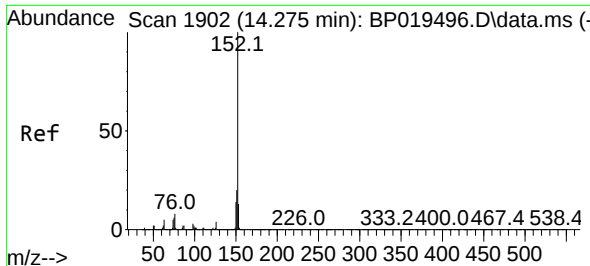
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 24.0 18.9 28.3

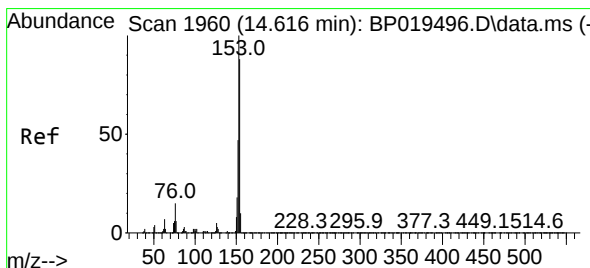
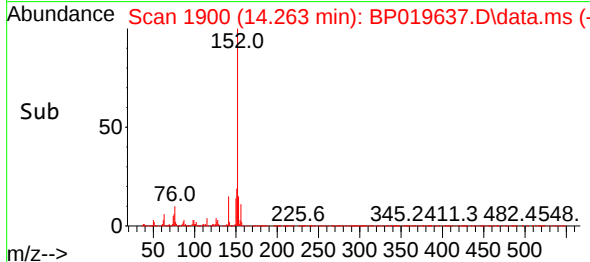
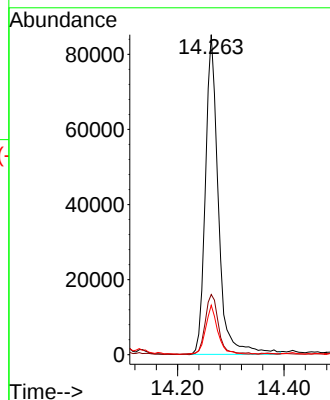
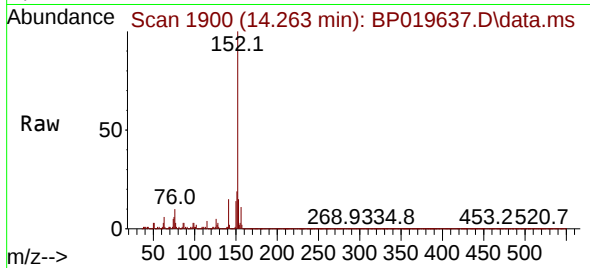




#49
Acenaphthylene
Concen: 7.044 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

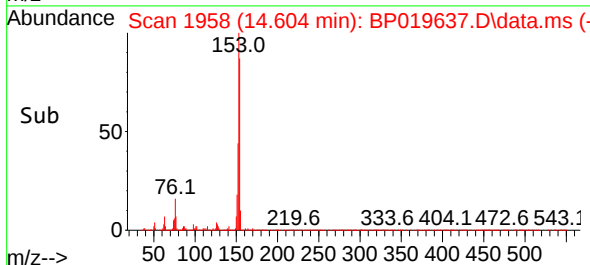
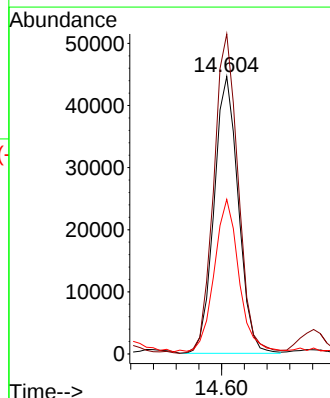
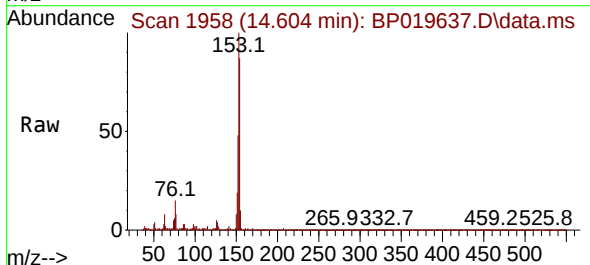
Instrument :
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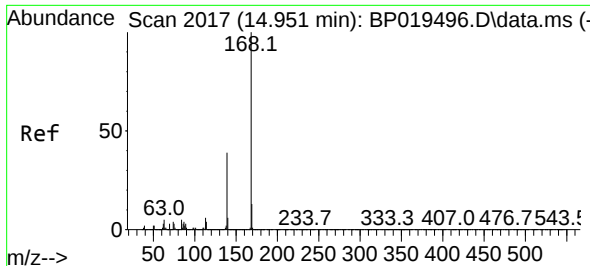
Tgt Ion:152 Resp: 144711
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.6
153 15.5 10.6 15.8



#52
Acenaphthene
Concen: 5.183 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:154 Resp: 66093
Ion Ratio Lower Upper
154 100
153 115.3 90.5 135.7
152 55.7 42.1 63.1

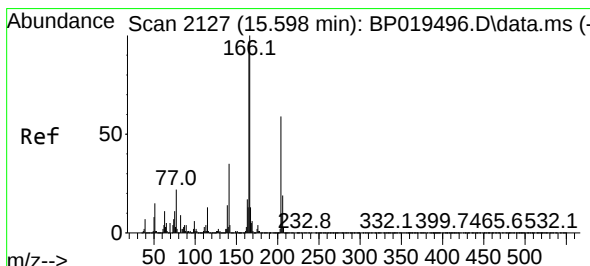
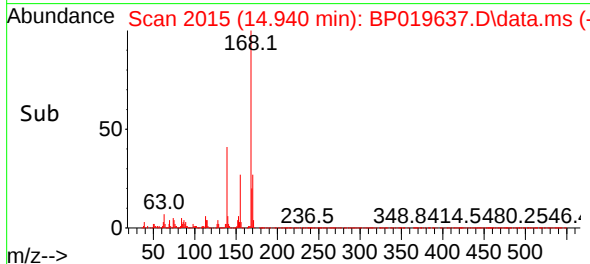
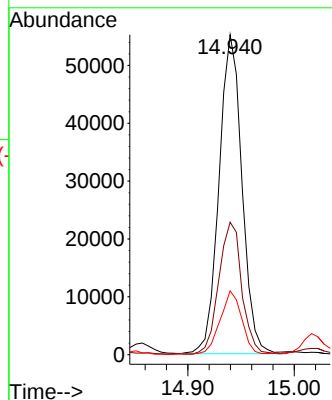
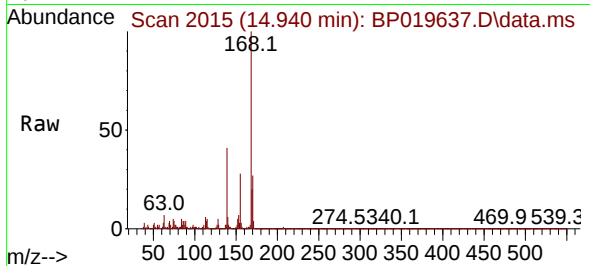




#55
Dibenzenofuran
Concen: 3.966 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

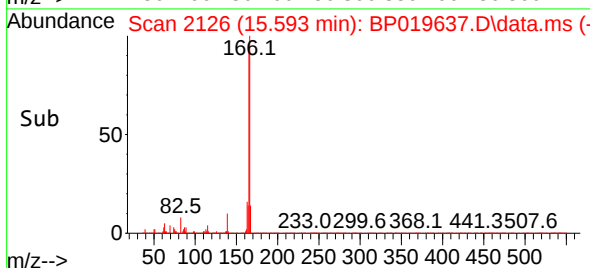
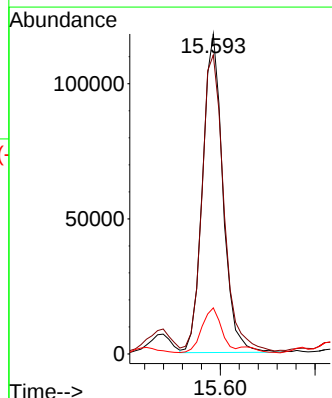
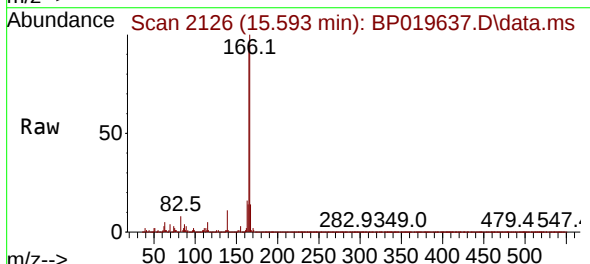
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

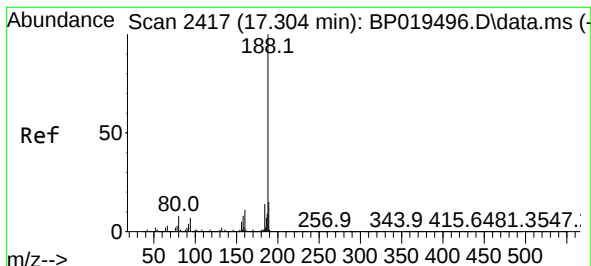
Tgt Ion:168 Resp: 82375
Ion Ratio Lower Upper
168 100
139 41.4 31.5 47.3
169 20.0 10.3 15.5#



#58
Fluorene
Concen: 10.569 ng
RT: 15.593 min Scan# 2126
Delta R.T. -0.005 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:166 Resp: 174821
Ion Ratio Lower Upper
166 100
165 93.4 77.8 116.8
167 14.4 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

Instrument :

BNA_P

ClientSampleId :

HD-01-020724DL

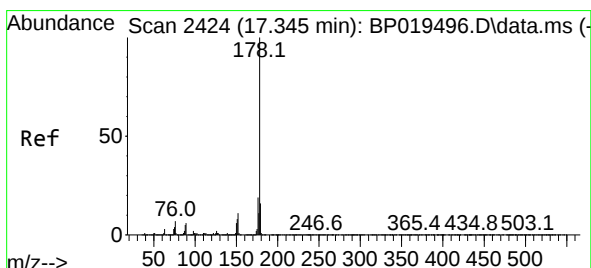
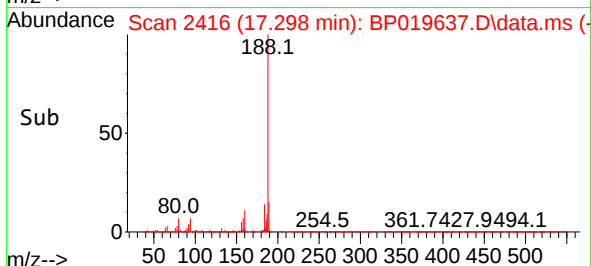
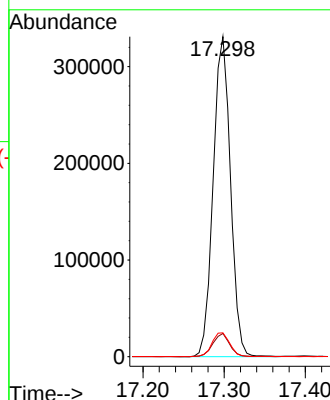
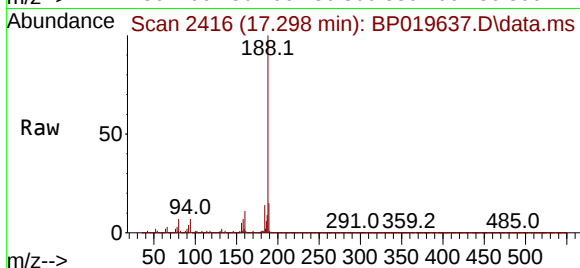
Tgt Ion:188 Resp: 489298

Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 7.4 6.3 9.5



#71

Phenanthrene

Concen: 40.316 ng

RT: 17.340 min Scan# 2423

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

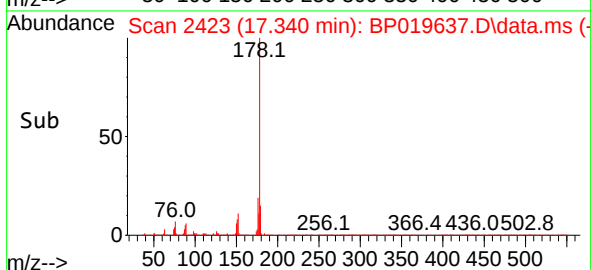
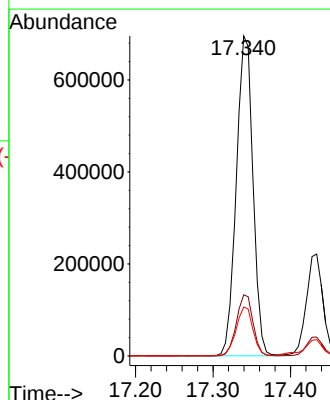
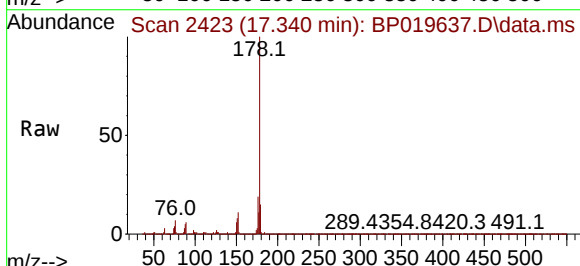
Tgt Ion:178 Resp: 1038145

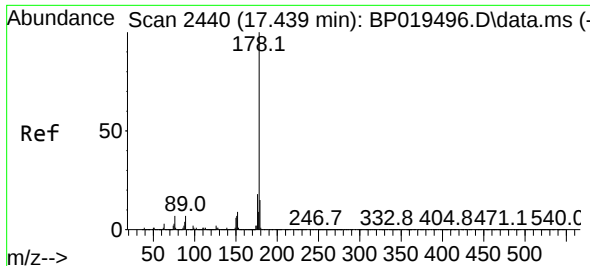
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.3 12.6 19.0

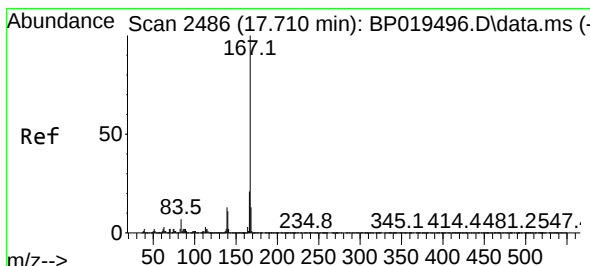
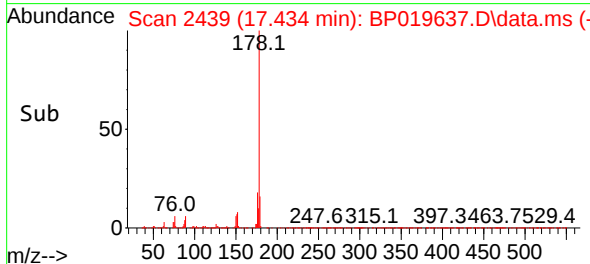
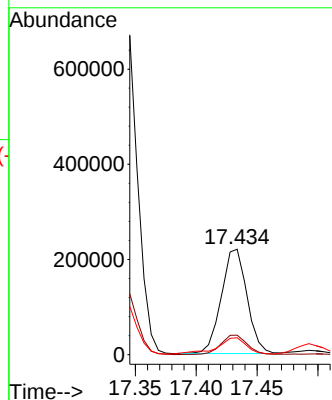
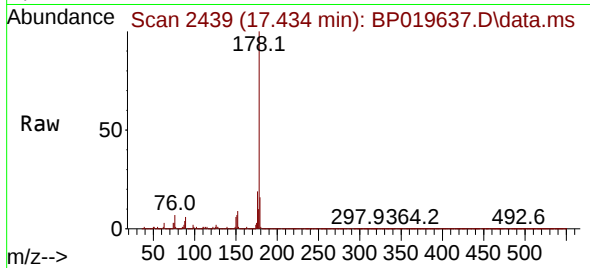




#72
 Anthracene
 Concen: 12.554 ng
 RT: 17.434 min Scan# 2440
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

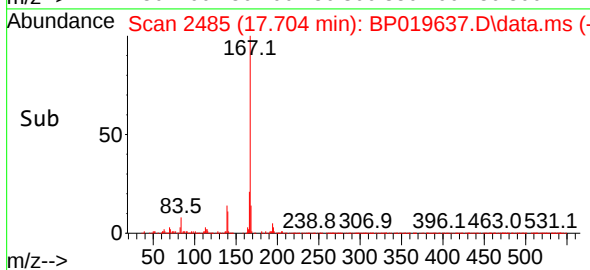
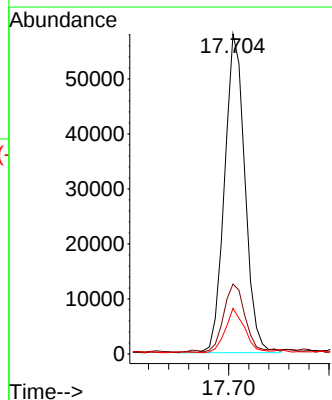
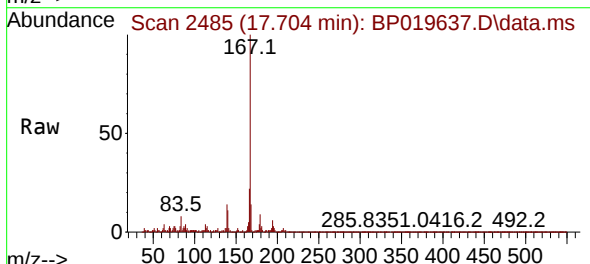
Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

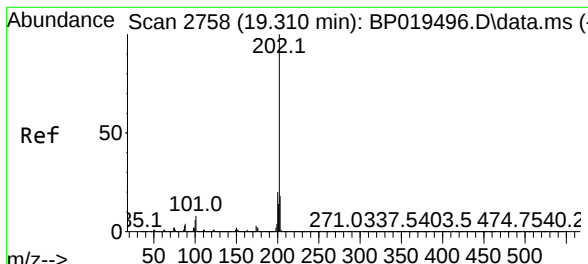
Tgt Ion:178 Resp: 322478
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.7 22.1
 179 16.1 12.2 18.2



#73
 Carbazole
 Concen: 3.500 ng
 RT: 17.704 min Scan# 2485
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:167 Resp: 81665
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 14.2 10.6 15.8



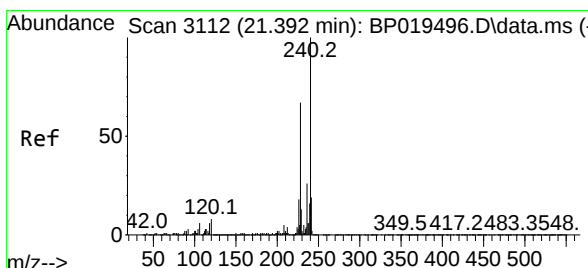
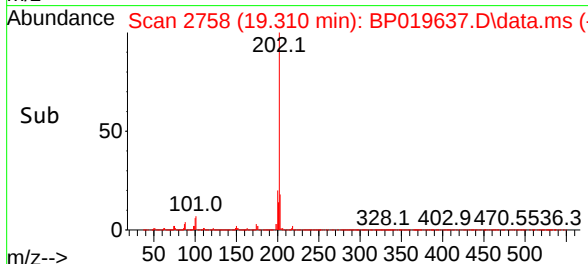
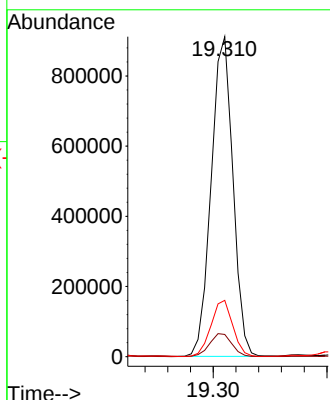
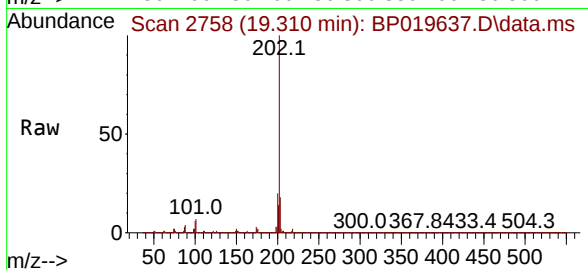


#75
 Fluoranthene
 Concen: 38.503 ng
 RT: 19.310 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Tgt Ion:202 Resp: 1211161

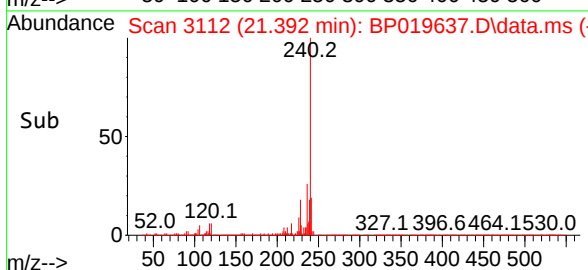
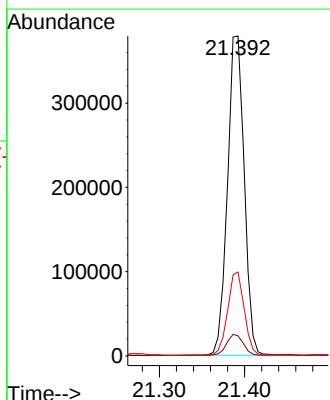
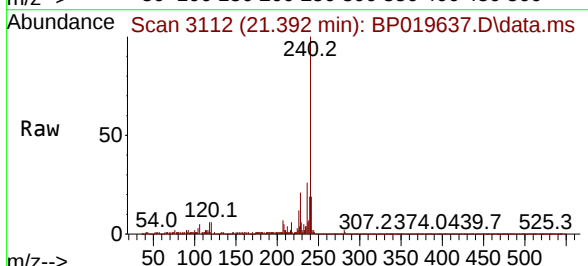
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	27.7
203	17.6	0.0	37.5

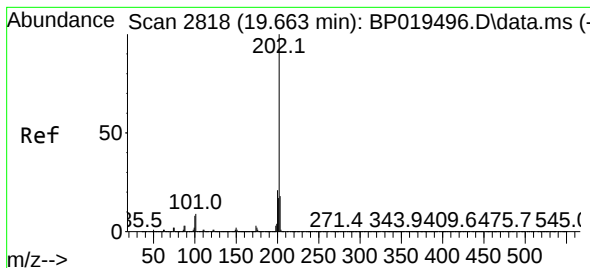


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:240 Resp: 518048

Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.1	9.1
236	26.2	20.7	31.1





#78

Pyrene

Concen: 34.298 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

Instrument :

BNA_P

ClientSampleId :

HD-01-020724DL

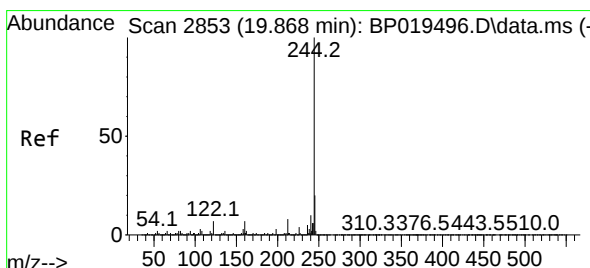
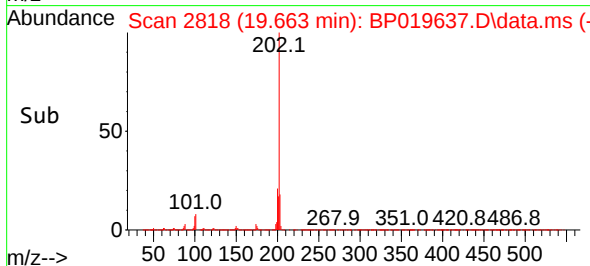
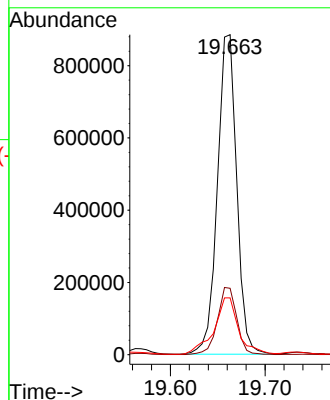
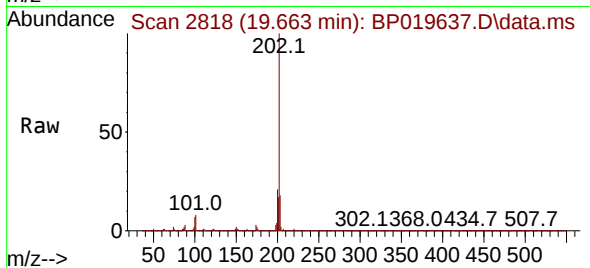
Tgt Ion:202 Resp: 1253975

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.7 14.2 21.2



#79

Terphenyl-d14

Concen: 6.097 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

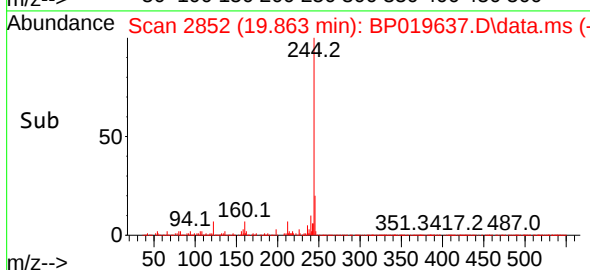
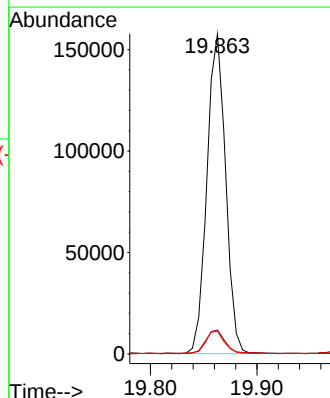
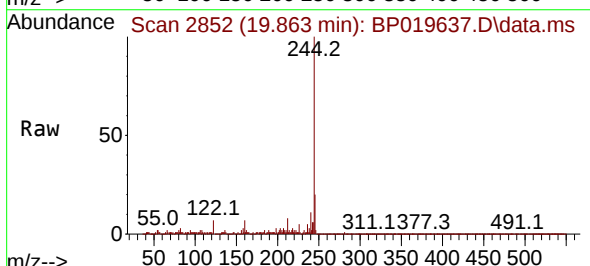
Tgt Ion:244 Resp: 192064

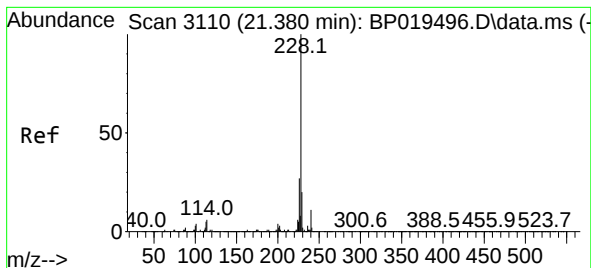
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.1 5.9 8.9





#81

Benzo(a)anthracene

Concen: 16.489 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

Instrument :

BNA_P

ClientSampleId :

HD-01-020724DL

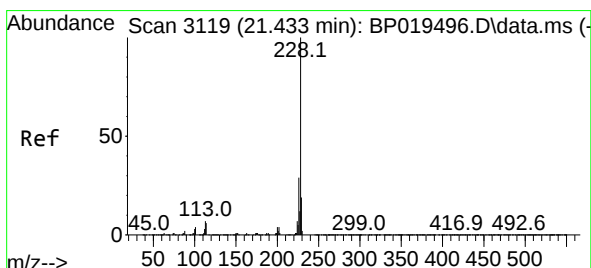
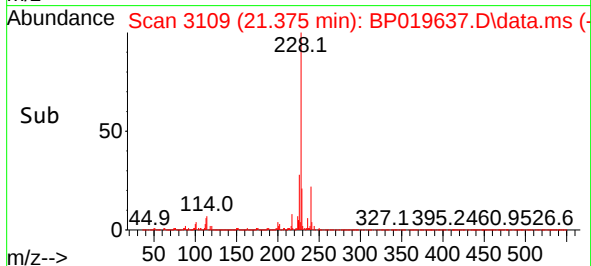
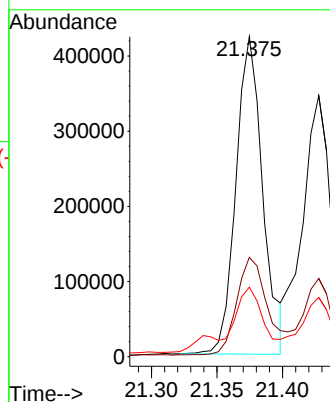
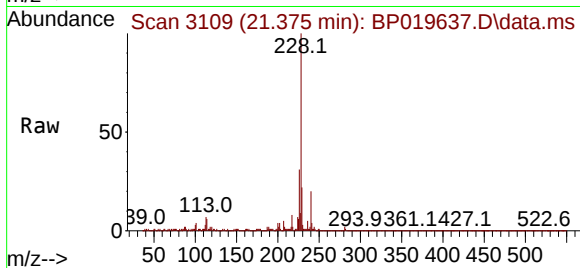
Tgt Ion:228 Resp: 601291

Ion Ratio Lower Upper

228 100

226 31.1 21.7 32.5

229 21.8 15.6 23.4



#83

Chrysene

Concen: 14.861 ng

RT: 21.428 min Scan# 3118

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

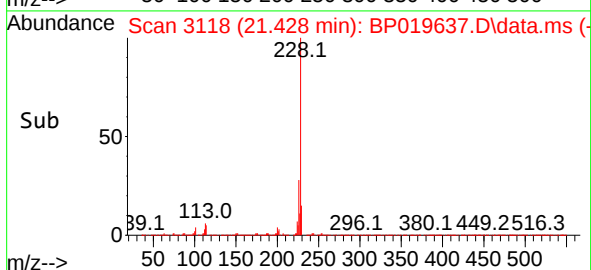
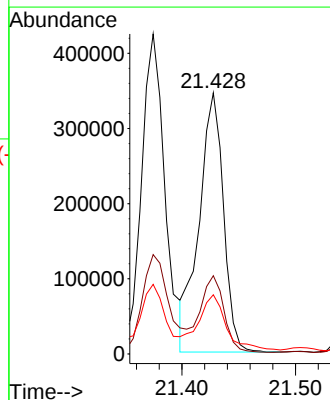
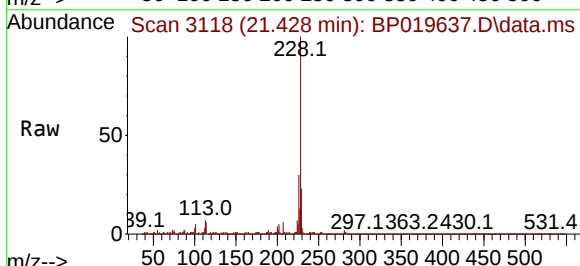
Tgt Ion:228 Resp: 514522

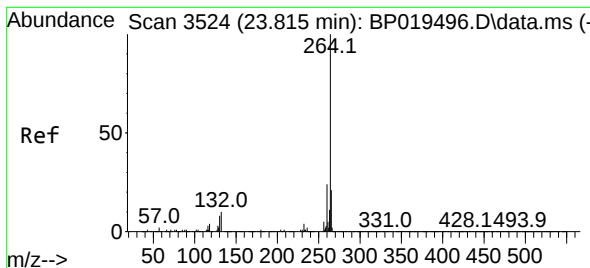
Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 22.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3524

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

Instrument :

BNA_P

ClientSampleId :

HD-01-020724DL

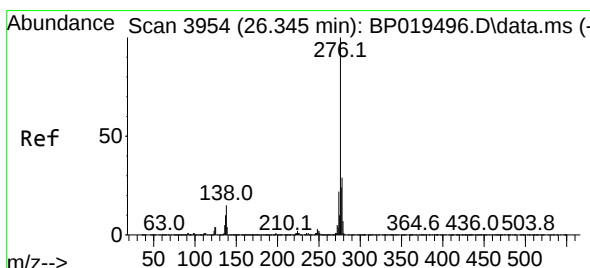
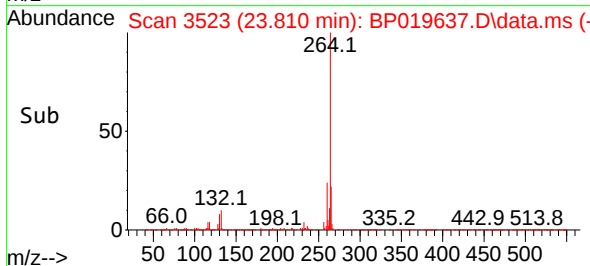
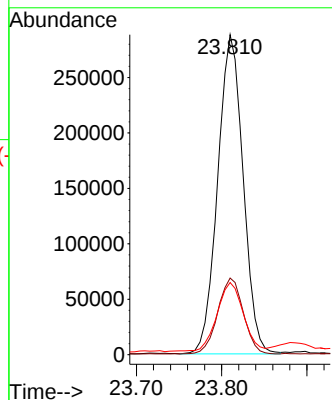
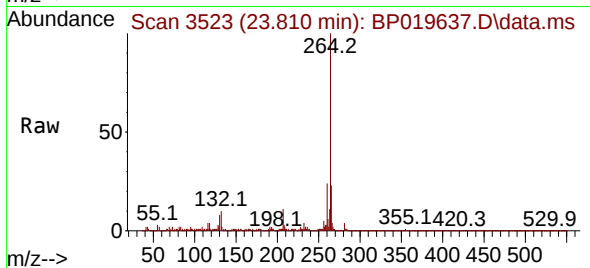
Tgt Ion:264 Resp: 596673

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.765 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.005 min

Lab File: BP019637.D

Acq: 09 Feb 2024 17:53

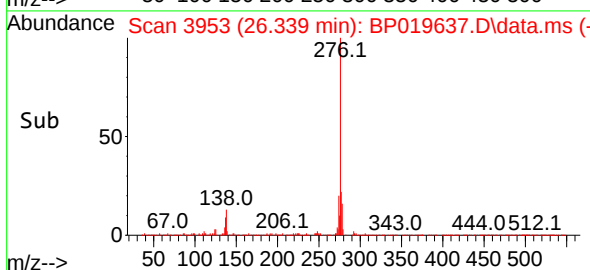
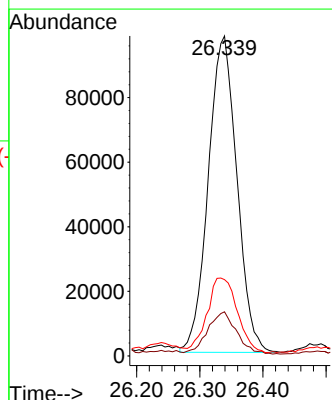
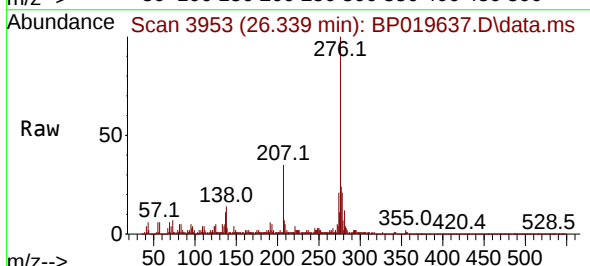
Tgt Ion:276 Resp: 308975

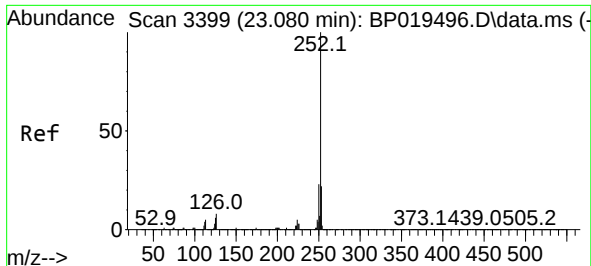
Ion Ratio Lower Upper

276 100

138 13.5 13.1 19.7

277 24.7 20.3 30.5

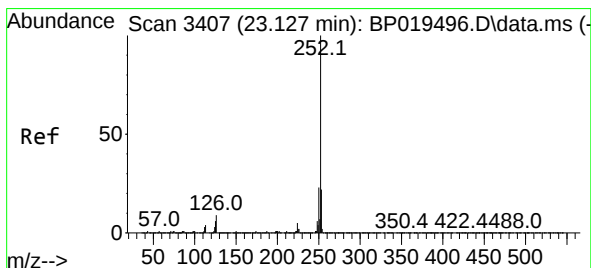
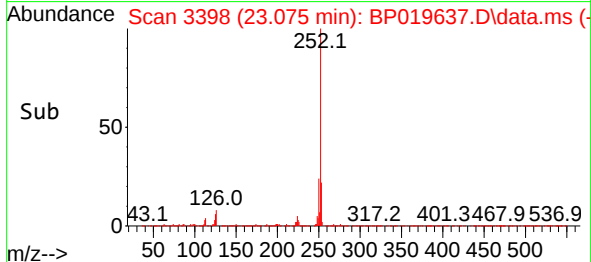
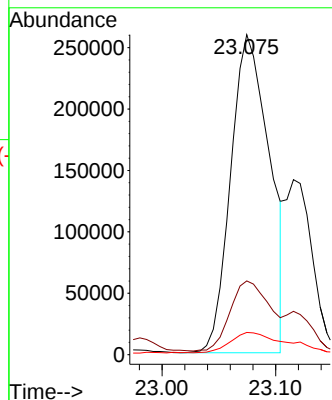
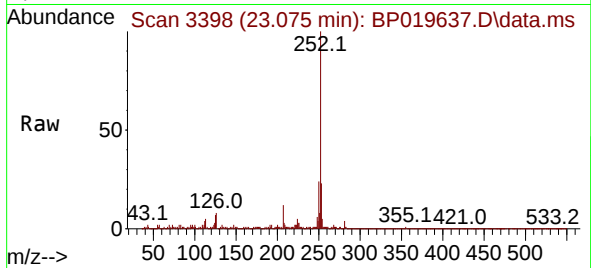




#88
Benzo(b)fluoranthene
Concen: 16.352 ng
RT: 23.075 min Scan# 3398
Delta R.T. -0.005 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

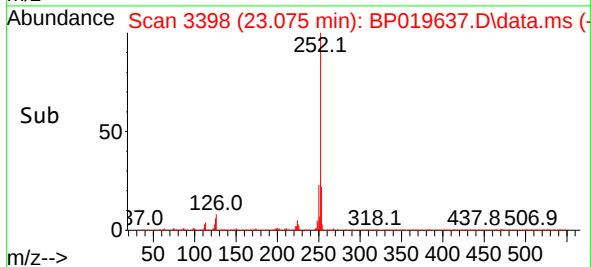
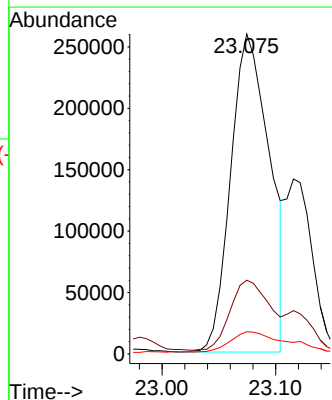
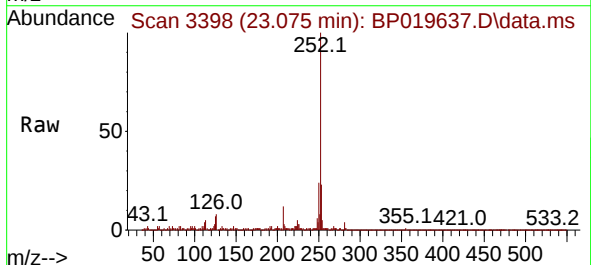
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

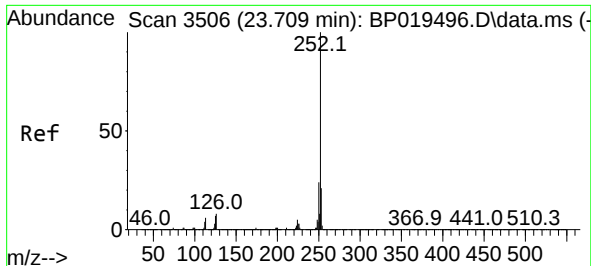
Tgt Ion:252 Resp: 614913
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 6.9 4.9 7.3



#89
Benzo(k)fluoranthene
Concen: 17.118 ng
RT: 23.075 min Scan# 3398
Delta R.T. -0.052 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:252 Resp: 614913
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 6.9 5.0 7.6

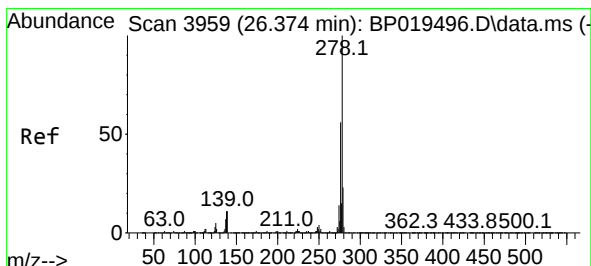
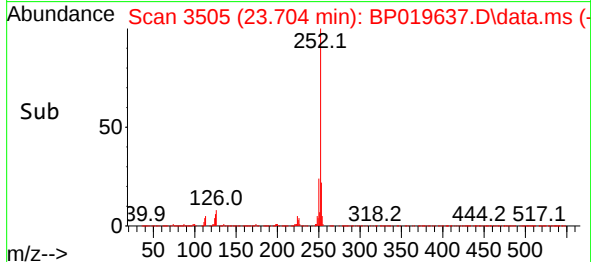
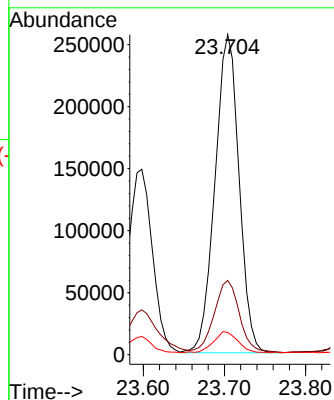
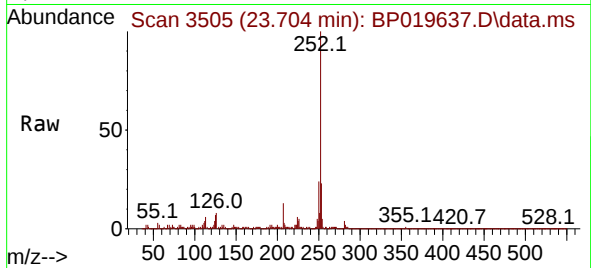




#90
Benzo(a)pyrene
Concen: 15.781 ng
RT: 23.704 min Scan# 31
Delta R.T. -0.005 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

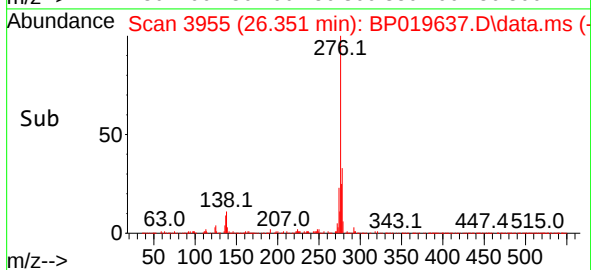
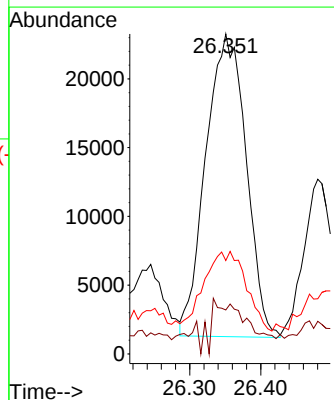
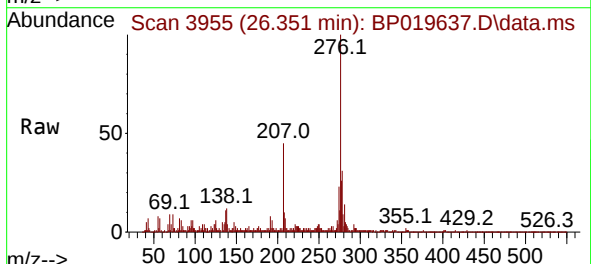
Instrument :
BNA_P
ClientSampleId :
HD-01-020724DL

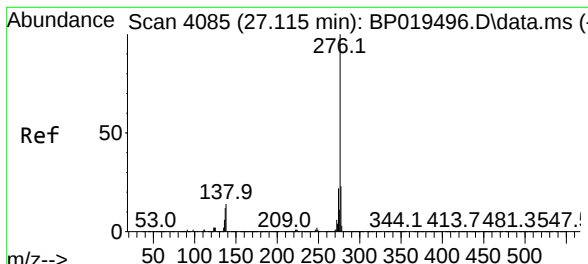
Tgt Ion:252 Resp: 528047
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 6.9 5.6 8.4



#91
Dibenzo(a,h)anthracene
Concen: 2.309 ng
RT: 26.351 min Scan# 3955
Delta R.T. -0.023 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:278 Resp: 86743
Ion Ratio Lower Upper
278 100
139 13.8 8.6 12.8#
279 29.2 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 7.979 ng
 RT: 27.115 min Scan# 4085
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Tgt Ion: 276 Resp: 304085

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	11.8	10.9	16.3

