

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021620.D
 Acq On : 22 Aug 2024 19:23
 Operator : RC/JU
 Sample : P3671-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0.5-1-081924

Quant Time: Aug 23 00:53:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 11:12:31 2024
 Response via : Initial Calibration

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

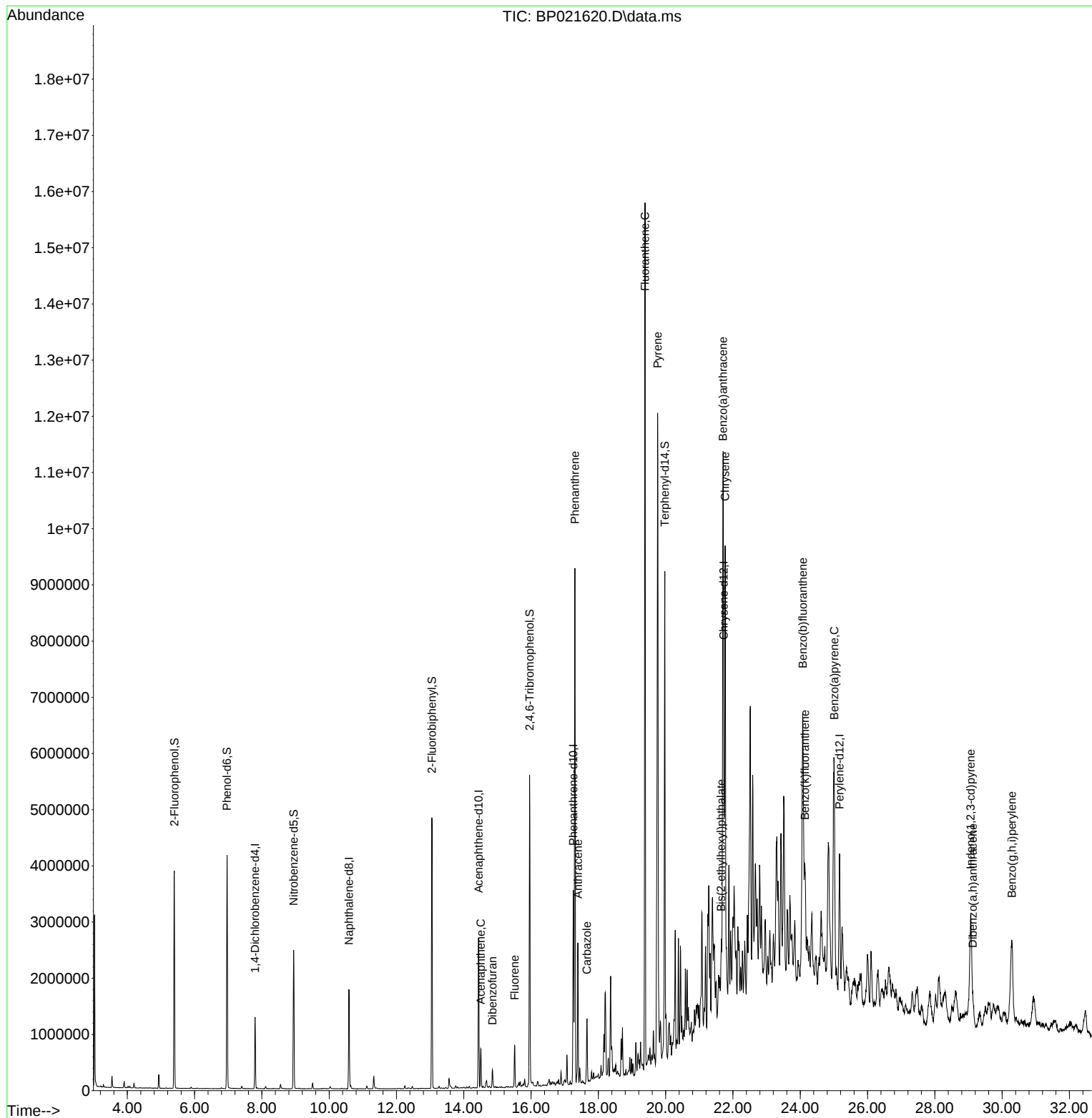
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	328696	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1406531	20.000	ng	# 0.00
39) Acenaphthene-d10	14.439	164	997125	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2294613	20.000	ng	0.00
76) Chrysene-d12	21.721	240	1965328	20.000	ng	0.00
86) Perylene-d12	25.168	264	2369105	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1818143	82.133	ng	0.00
7) Phenol-d6	6.963	99	2728297	84.488	ng	0.00
23) Nitrobenzene-d5	8.946	82	1634653	59.986	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1120590	100.976	ng	0.00
45) 2-Fluorobiphenyl	13.051	172	2632455	40.291	ng	0.00
79) Terphenyl-d14	19.974	244	4269387	42.203	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.504	154	272592	5.145	ng	100
55) Dibenzofuran	14.851	168	214370	2.630	ng	99
58) Fluorene	15.510	166	364065	5.438	ng	98
71) Phenanthrene	17.304	178	5982603	54.213	ng	100
72) Anthracene	17.392	178	1479911	13.674	ng	99
73) Carbazole	17.663	167	714152	6.847	ng	100
75) Fluoranthene	19.386	202	9915818	73.233	ng	99
78) Pyrene	19.763	202	8521343	66.336	ng	99
81) Benzo(a)anthracene	21.704	228	5130328	41.583	ng	# 93
83) Chrysene	21.768	228	5738086	49.261	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.645	149	149554	2.051	ng	99
87) Indeno(1,2,3-cd)pyrene	29.068	276	2943194	19.165	ng	# 87
88) Benzo(b)fluoranthene	24.074	252	5816273	42.747	ng	99
89) Benzo(k)fluoranthene	24.139	252	2145052m	16.161	ng	
90) Benzo(a)pyrene	25.009	252	4657427	39.444	ng	95
91) Dibenzo(a,h)anthracene	29.127	278	834541	6.540	ng	# 78
92) Benzo(g,h,i)perylene	30.291	276	2977737	23.284	ng	98

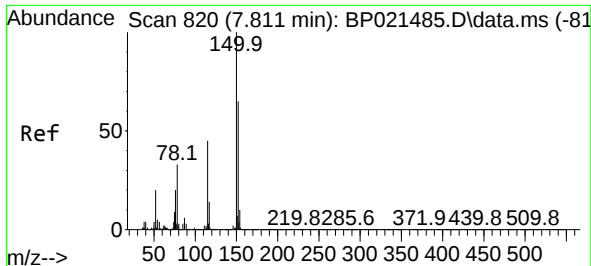
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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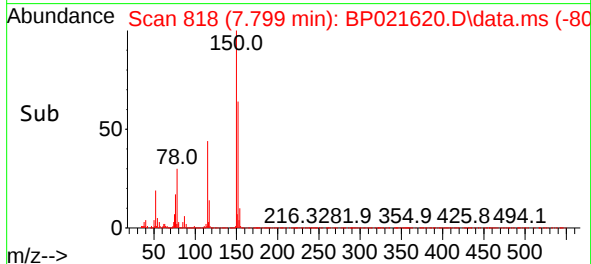
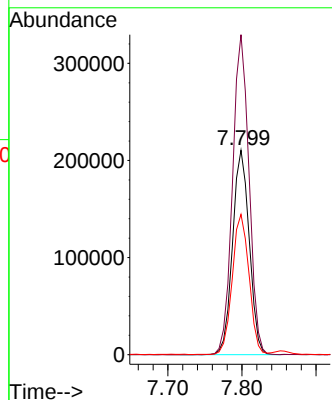
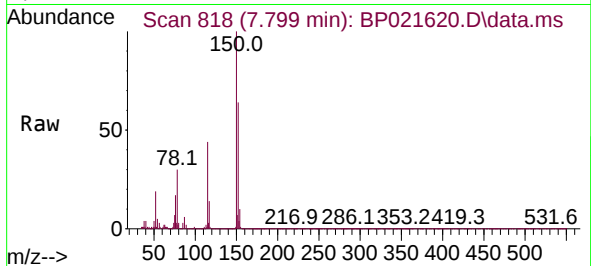




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

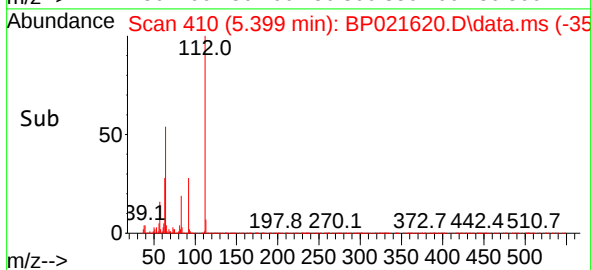
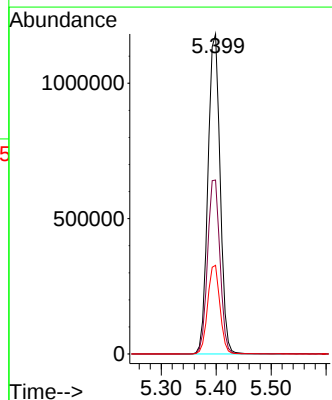
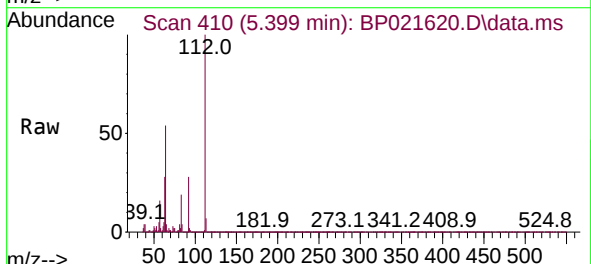
Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:152 Resp: 328696
Ion Ratio Lower Upper
152 100
150 156.5 122.4 183.6
115 68.6 54.7 82.1



#5
2-Fluorophenol
Concen: 82.133 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:112 Resp: 1818143
Ion Ratio Lower Upper
112 100
64 54.3 49.0 73.6
63 27.7 24.6 36.8

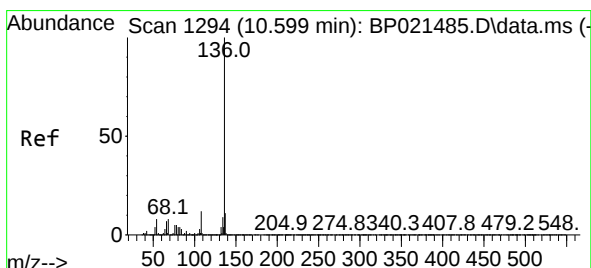
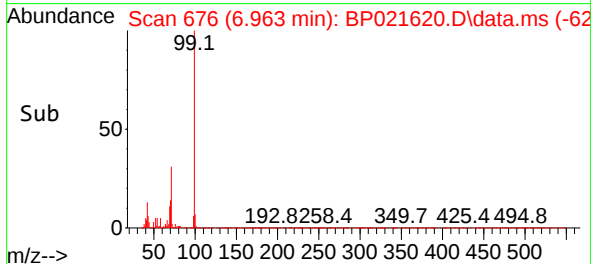
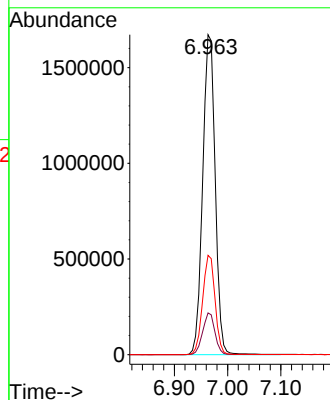
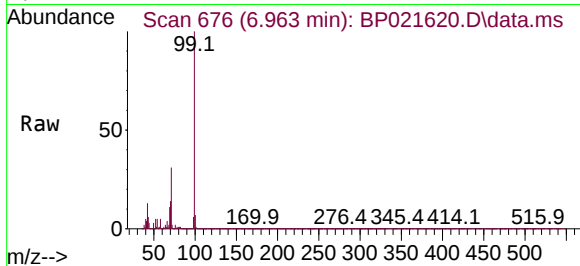




#7
Phenol-d6
Concen: 84.488 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

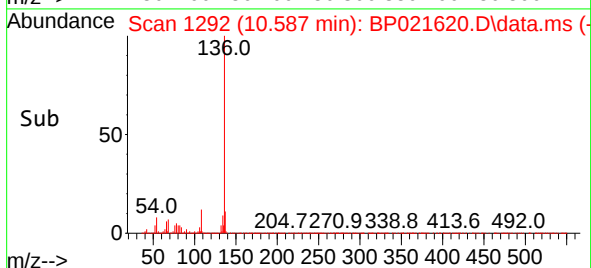
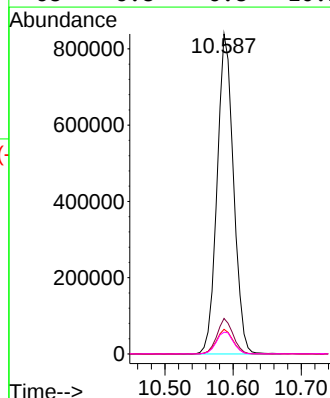
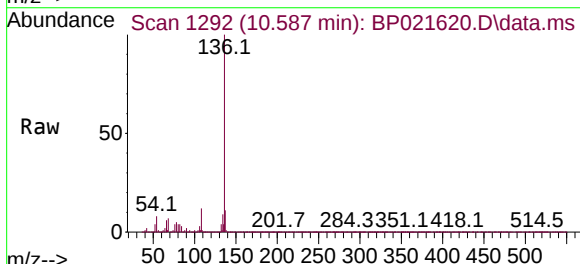
Instrument :
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ClientSampleId :
S-904-J-SO-0.5-1-081924

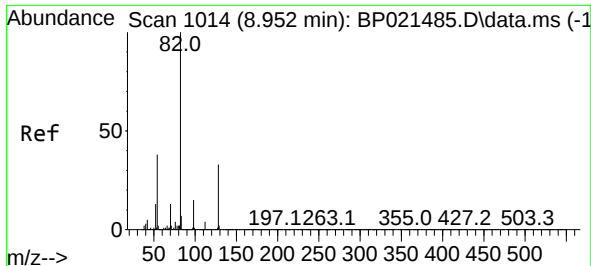
Tgt Ion: 99 Resp: 2728297
Ion Ratio Lower Upper
99 100
42 13.1 10.2 15.4
71 31.0 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:136 Resp: 1406531
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 6.3 9.5
68 6.8 6.8 10.2#

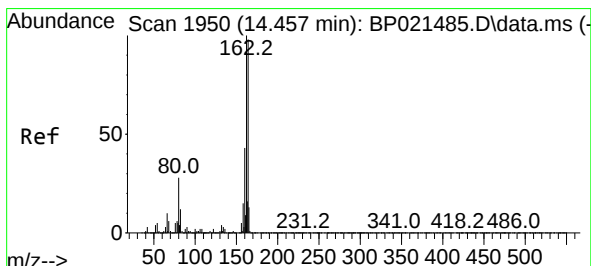
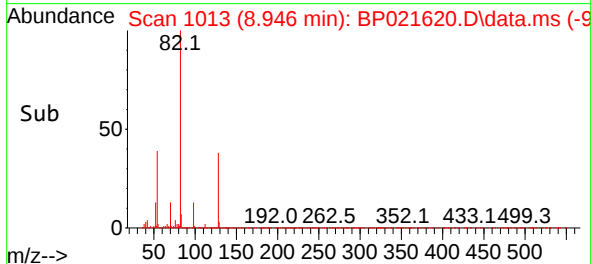
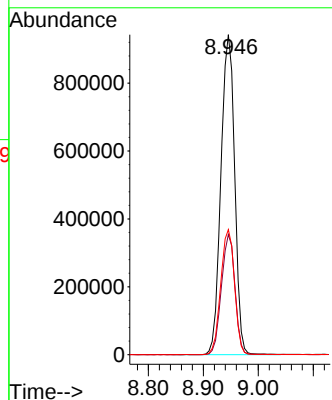
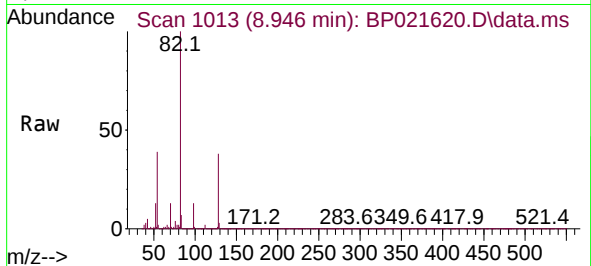




#23
Nitrobenzene-d5
Concen: 59.986 ng
RT: 8.946 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

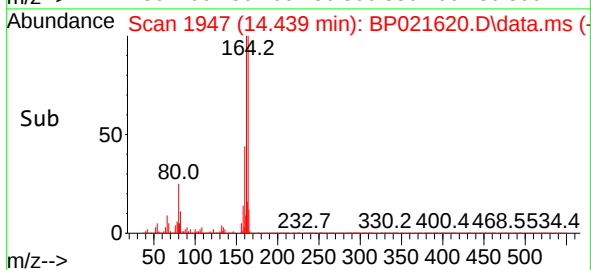
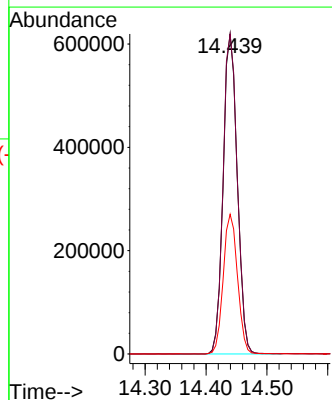
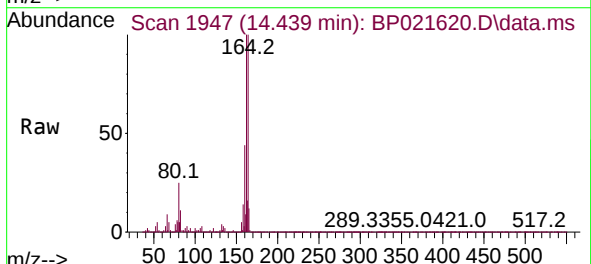
Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion: 82 Resp: 1634653
Ion Ratio Lower Upper
82 100
128 37.5 26.5 39.7
54 39.1 30.3 45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion: 164 Resp: 997125
Ion Ratio Lower Upper
164 100
162 99.9 81.5 122.3
160 43.7 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 100.976 ng

RT: 15.957 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

Instrument :

BNA_P

ClientSampleId :

S-904-J-SO-0.5-1-081924

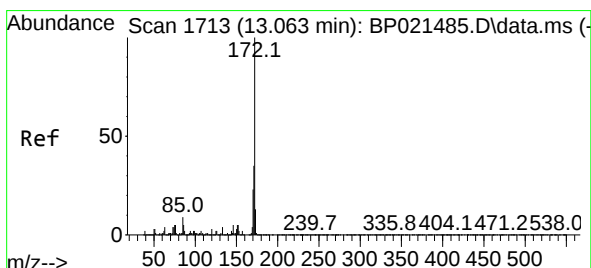
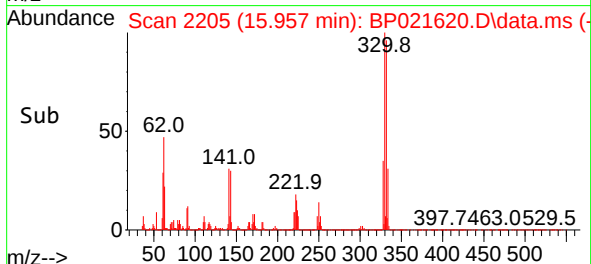
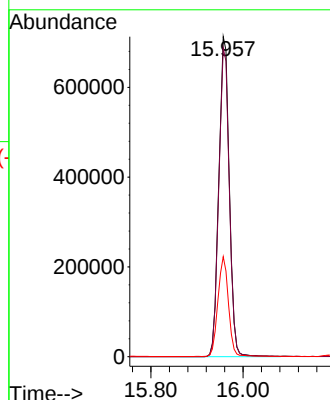
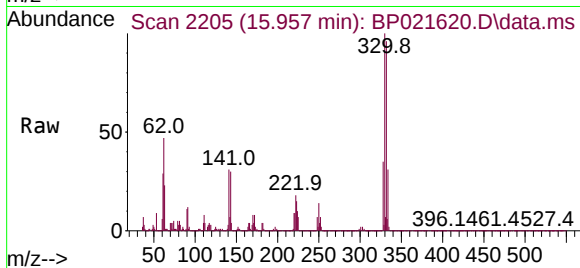
Tgt Ion:330 Resp: 1120590

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 31.7 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 40.291 ng

RT: 13.051 min Scan# 1711

Delta R.T. -0.000 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

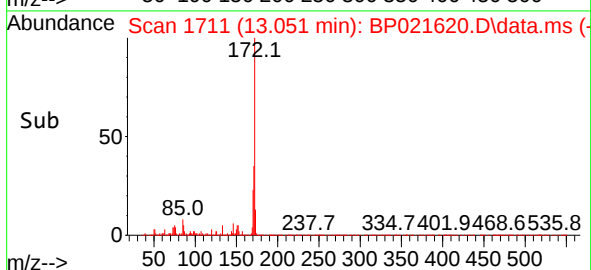
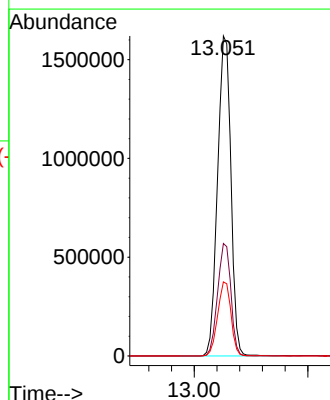
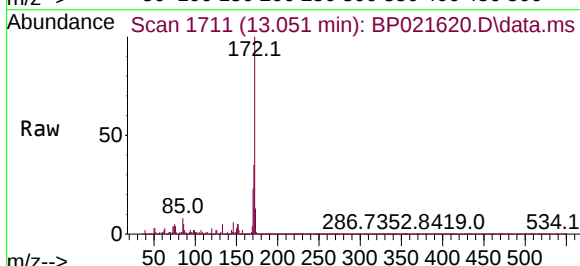
Tgt Ion:172 Resp: 2632455

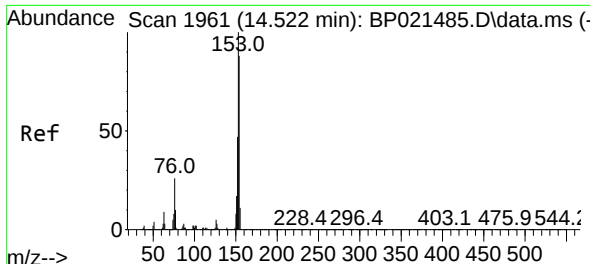
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.1 18.4 27.6

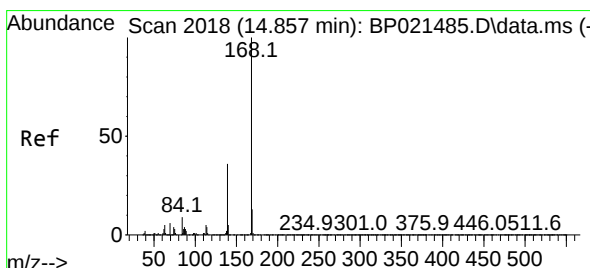
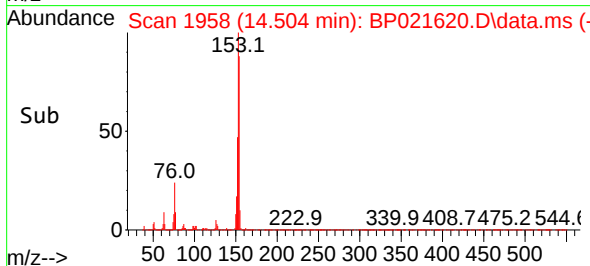
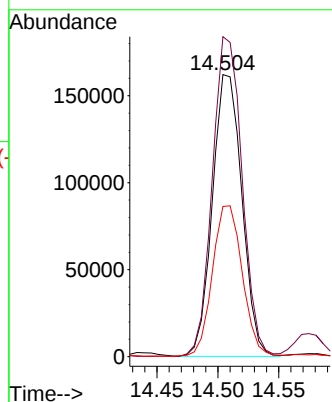
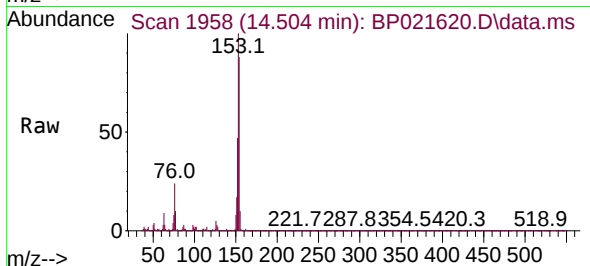




#52
Acenaphthene
Concen: 5.145 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

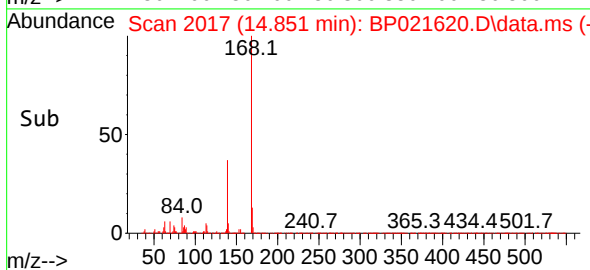
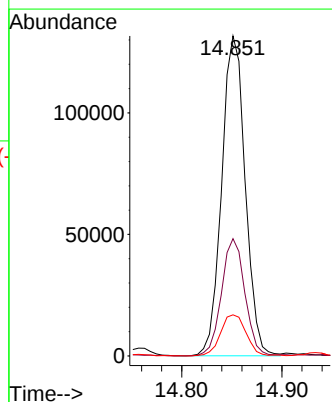
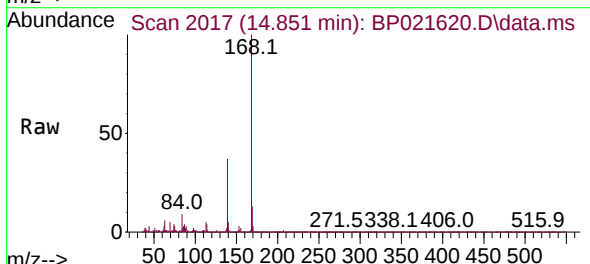
Instrument :
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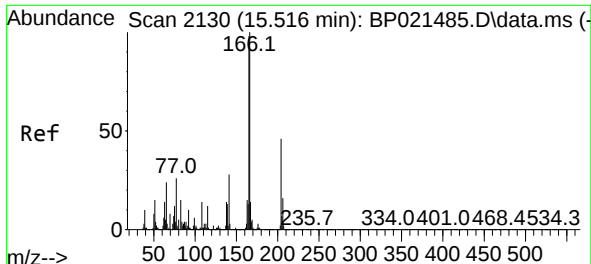
Tgt Ion:154 Resp: 272592
Ion Ratio Lower Upper
154 100
153 113.5 91.1 136.7
152 53.3 43.0 64.4



#55
Dibenzofuran
Concen: 2.630 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:168 Resp: 214370
Ion Ratio Lower Upper
168 100
139 36.6 28.6 43.0
169 12.8 10.6 16.0

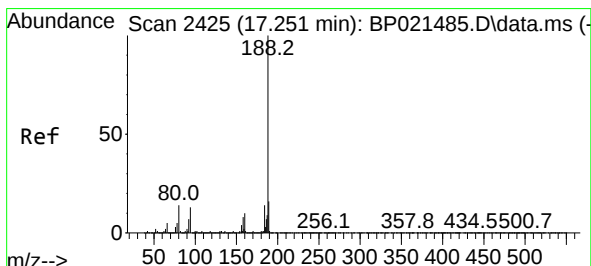
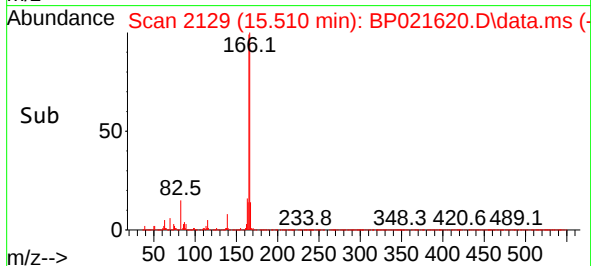
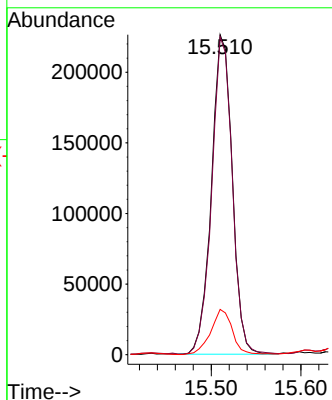
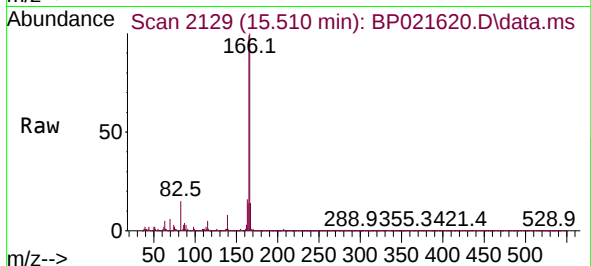




#58
Fluorene
Concen: 5.438 ng
RT: 15.510 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

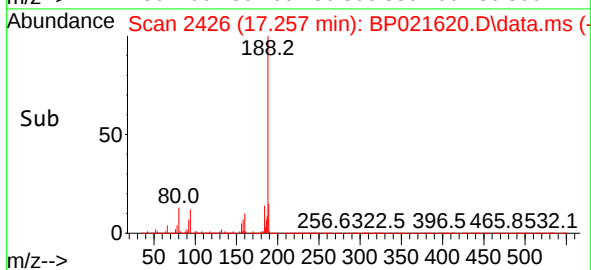
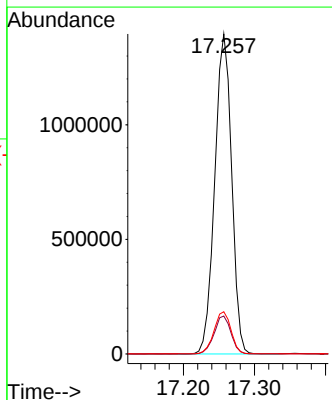
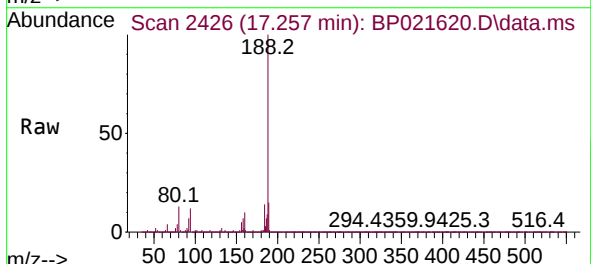
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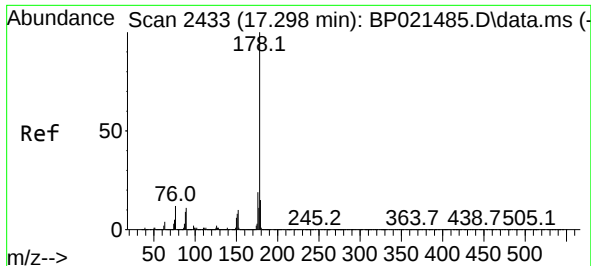
Tgt Ion:166 Resp: 364065
Ion Ratio Lower Upper
166 100
165 99.4 78.1 117.1
167 14.1 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:188 Resp: 2294613
Ion Ratio Lower Upper
188 100
94 11.8 10.2 15.4
80 13.2 11.6 17.4

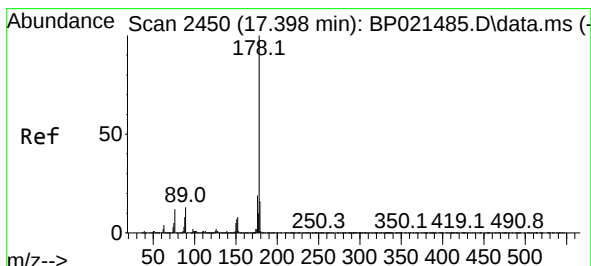
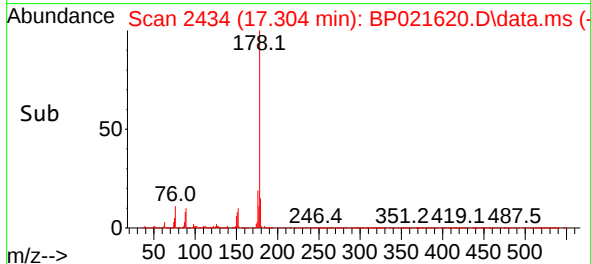
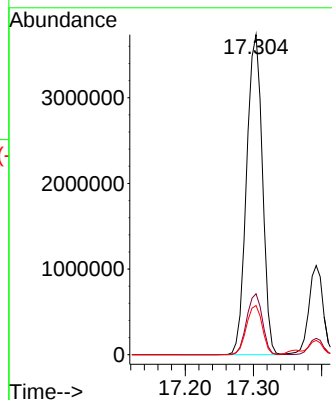
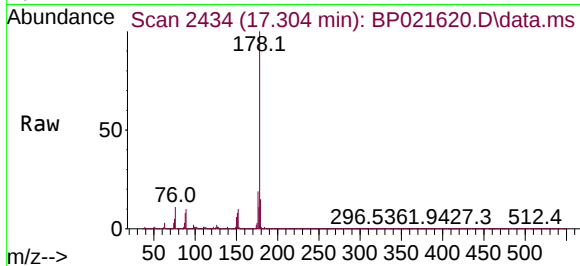




#71
Phenanthrene
Concen: 54.213 ng
RT: 17.304 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

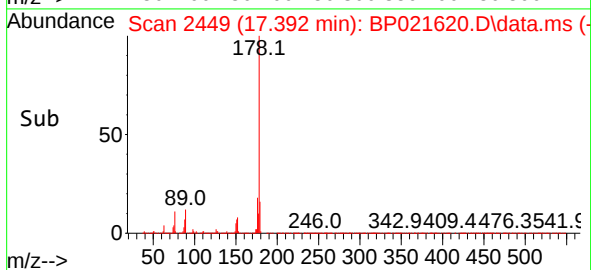
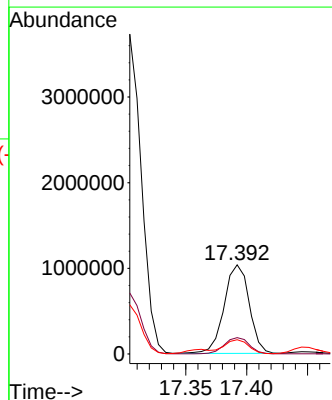
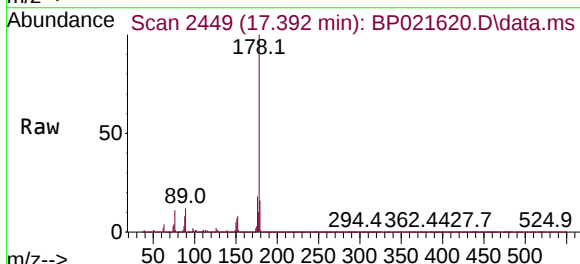
Instrument :
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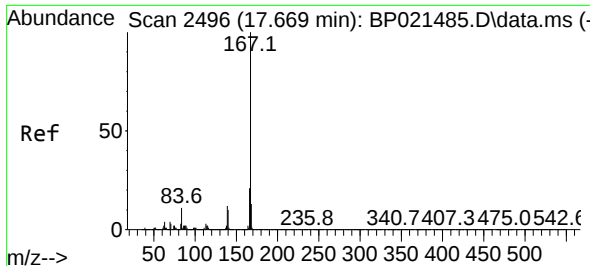
Tgt Ion:178 Resp: 5982603
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.4 18.6



#72
Anthracene
Concen: 13.674 ng
RT: 17.392 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:178 Resp: 1479911
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 16.0 12.5 18.7

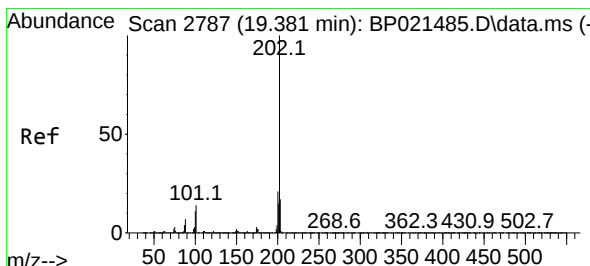
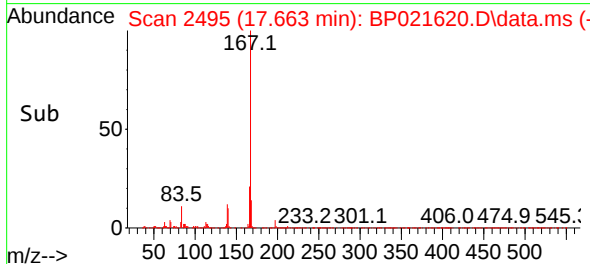
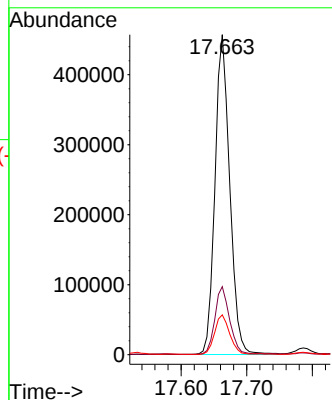
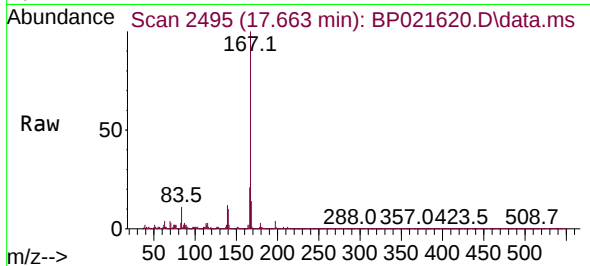




#73
 Carbazole
 Concen: 6.847 ng
 RT: 17.663 min Scan# 2496
 Delta R.T. -0.000 min
 Lab File: BP021620.D
 Acq: 22 Aug 2024 19:23

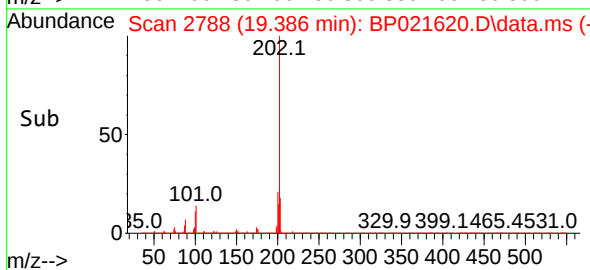
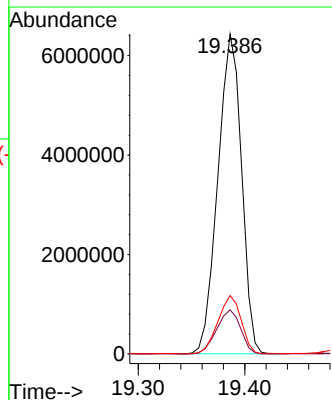
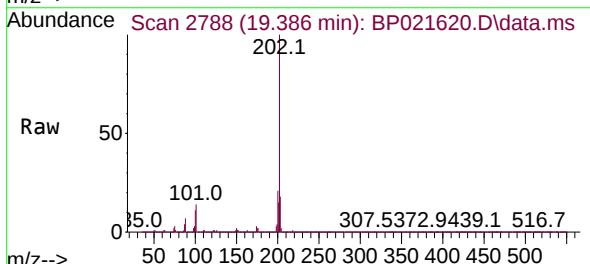
Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0.5-1-081924

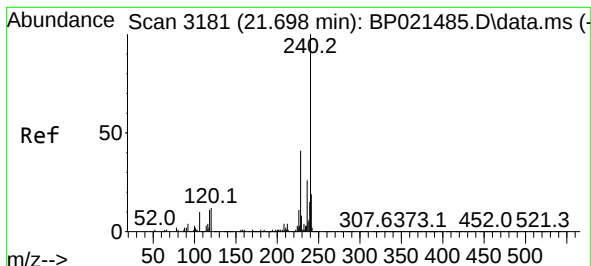
Tgt Ion:	167	Resp:	714152
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.0	25.4
139	12.5	9.9	14.9



#75
 Fluoranthene
 Concen: 73.233 ng
 RT: 19.386 min Scan# 2788
 Delta R.T. 0.006 min
 Lab File: BP021620.D
 Acq: 22 Aug 2024 19:23

Tgt Ion:	202	Resp:	9915818
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.0
203	18.3	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.721 min Scan# 3181

Delta R.T. 0.006 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

Instrument :

BNA_P

ClientSampleId :

S-904-J-SO-0.5-1-081924

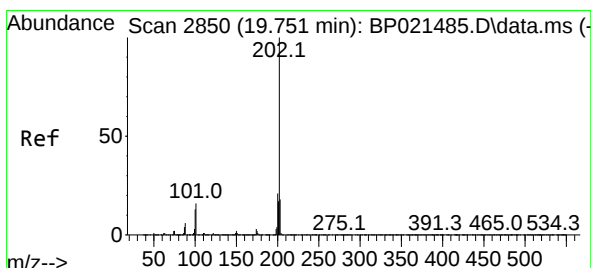
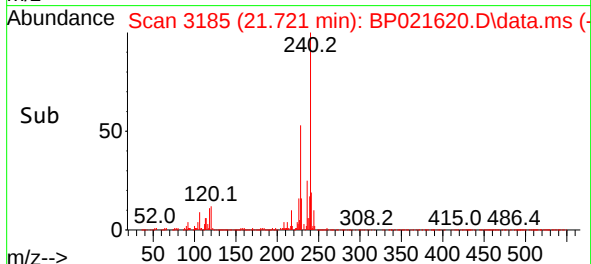
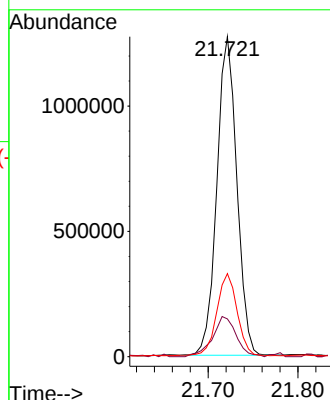
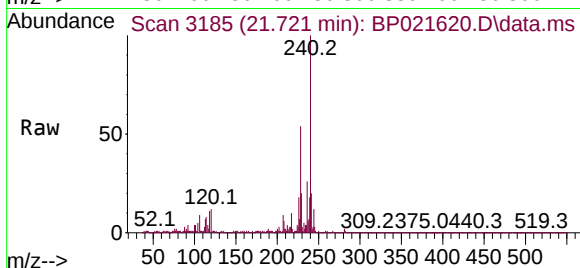
Tgt Ion:240 Resp: 1965328

Ion Ratio Lower Upper

240 100

120 11.8 9.9 14.9

236 25.9 20.6 30.8



#78

Pyrene

Concen: 66.336 ng

RT: 19.763 min Scan# 2852

Delta R.T. 0.006 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

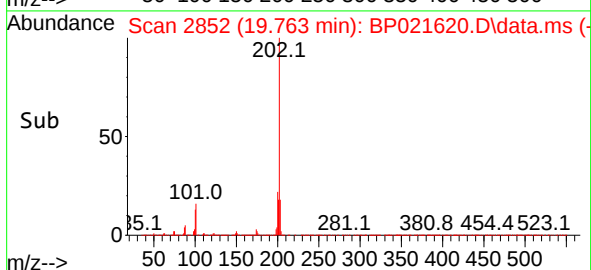
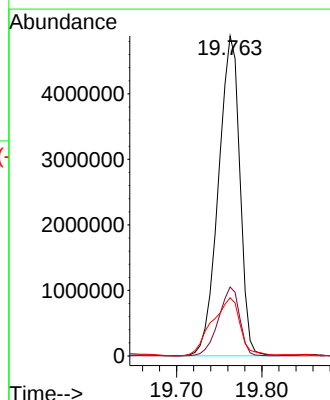
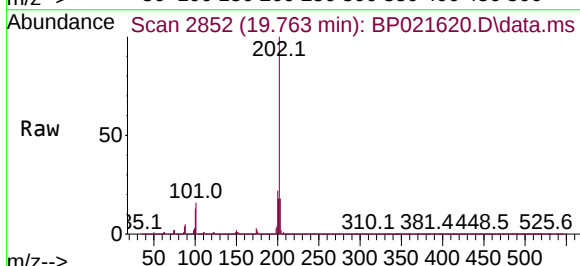
Tgt Ion:202 Resp: 8521343

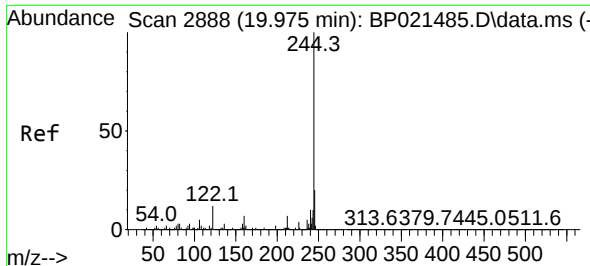
Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

203 18.2 14.1 21.1

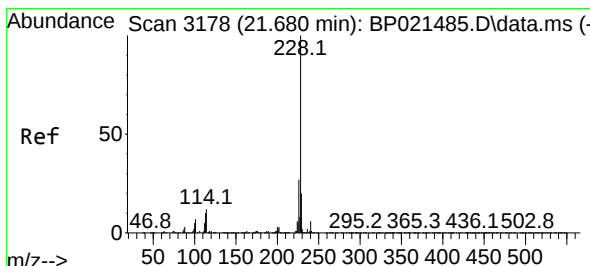
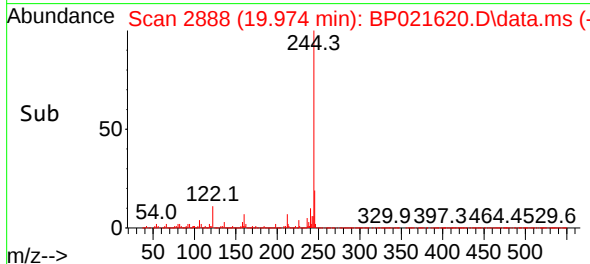
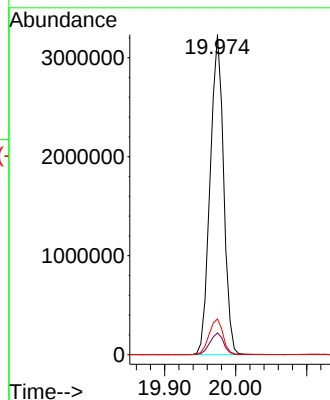
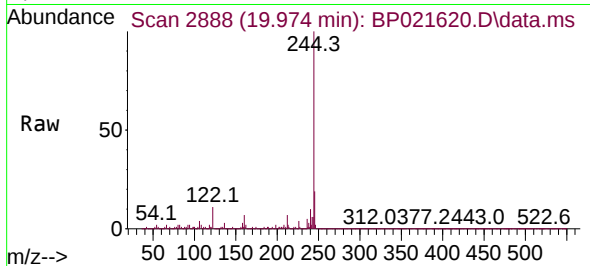




#79
 Terphenyl-d14
 Concen: 42.203 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP021620.D
 Acq: 22 Aug 2024 19:23

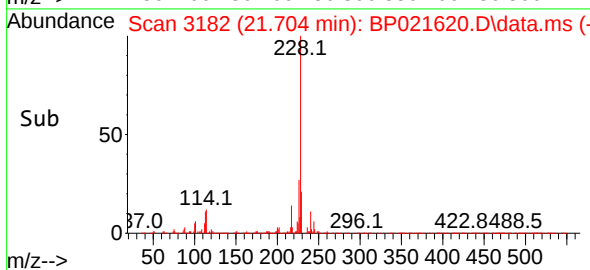
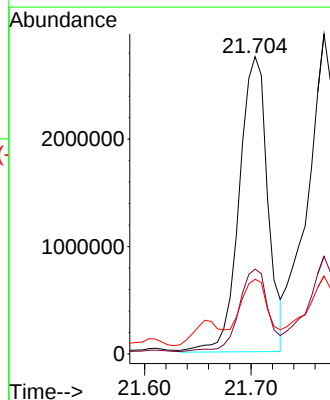
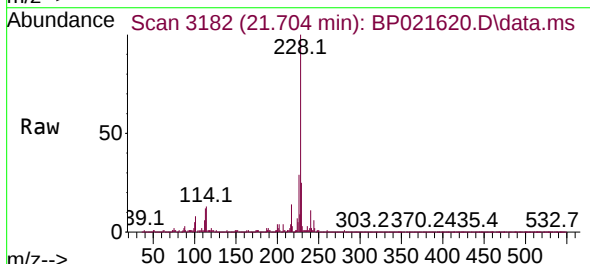
Instrument :
 BNA_P
 ClientSampleId :
 S-904-J-SO-0.5-1-081924

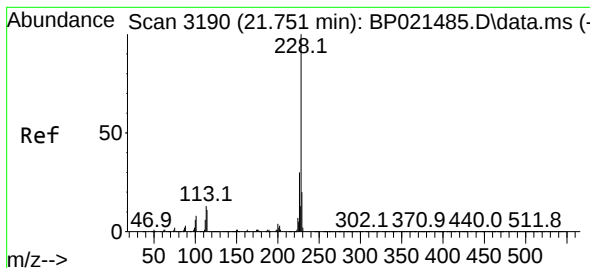
Tgt Ion:244 Resp: 4269387
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.1 9.4 14.2



#81
 Benzo(a)anthracene
 Concen: 41.583 ng
 RT: 21.704 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: BP021620.D
 Acq: 22 Aug 2024 19:23

Tgt Ion:228 Resp: 5130328
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.2
 229 25.1 15.8 23.6#





#83

Chrysene

Concen: 49.261 ng

RT: 21.768 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

Instrument :

BNA_P

ClientSampleId :

S-904-J-SO-0.5-1-081924

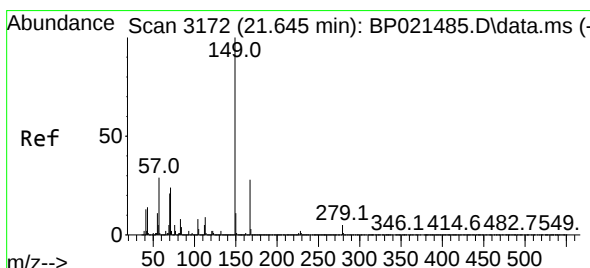
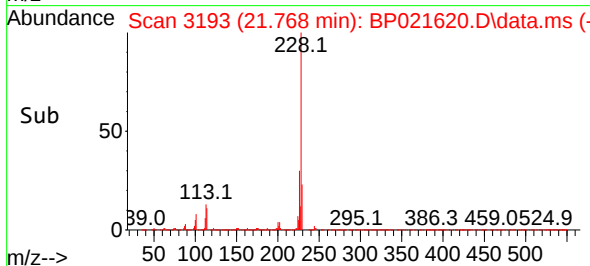
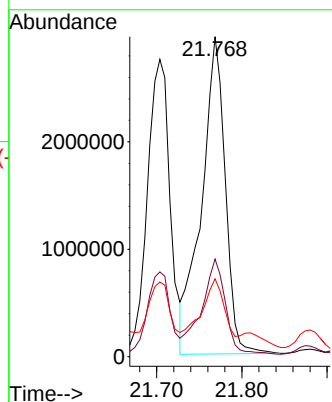
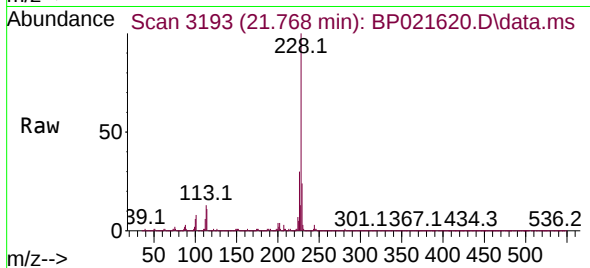
Tgt Ion:228 Resp: 5738086

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

229 24.3 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.051 ng

RT: 21.645 min Scan# 3172

Delta R.T. -0.006 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

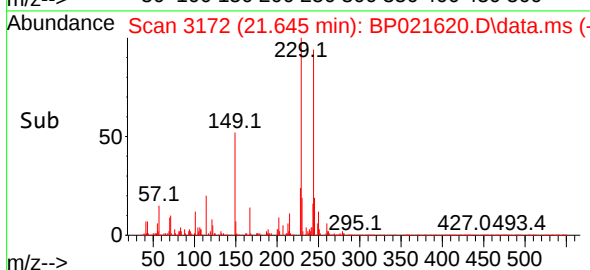
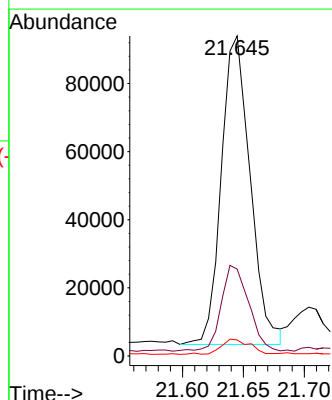
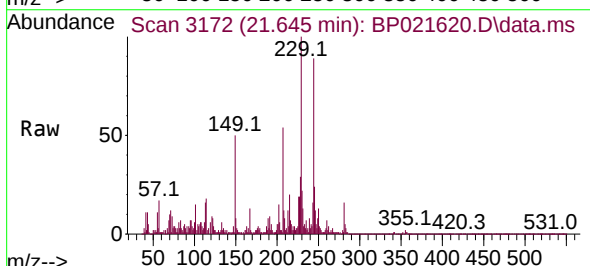
Tgt Ion:149 Resp: 149554

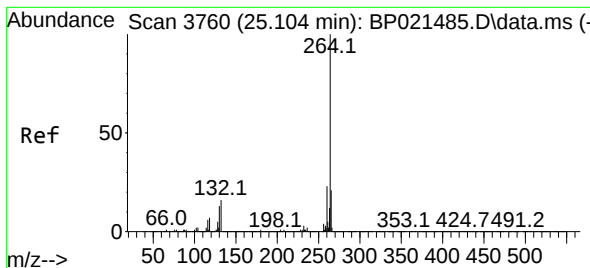
Ion Ratio Lower Upper

149 100

167 27.1 22.3 33.5

279 5.0 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.168 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

Instrument :

BNA_P

ClientSampleId :

S-904-J-SO-0.5-1-081924

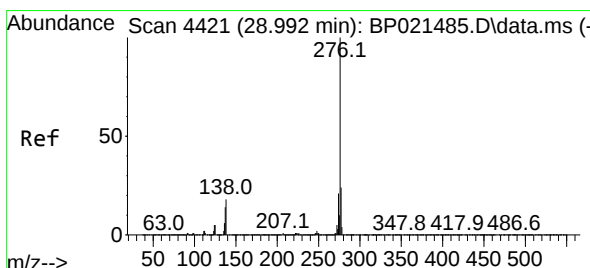
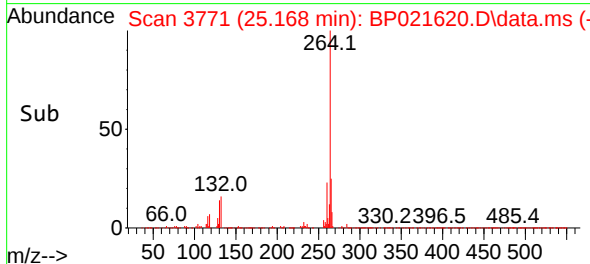
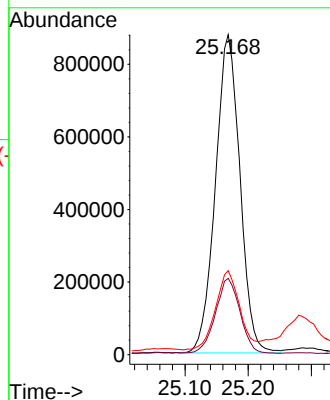
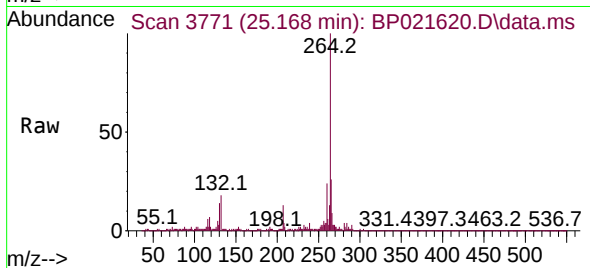
Tgt Ion:264 Resp: 2369105

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 26.3 17.1 25.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.165 ng

RT: 29.068 min Scan# 4434

Delta R.T. 0.011 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

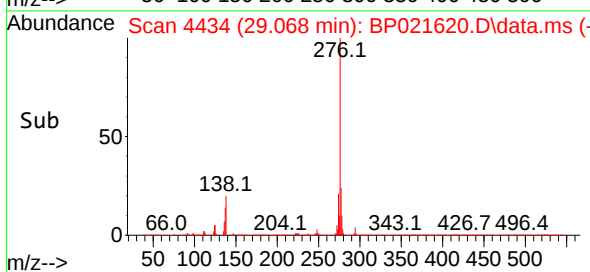
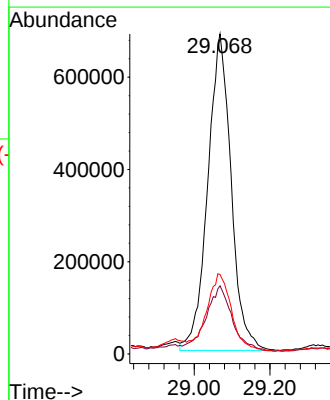
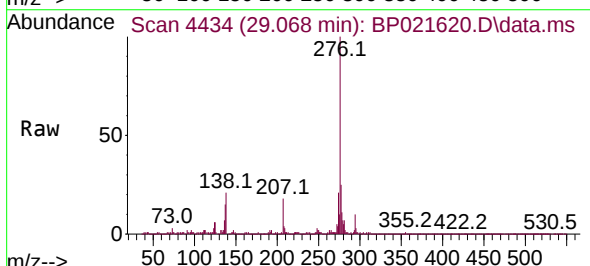
Tgt Ion:276 Resp: 2943194

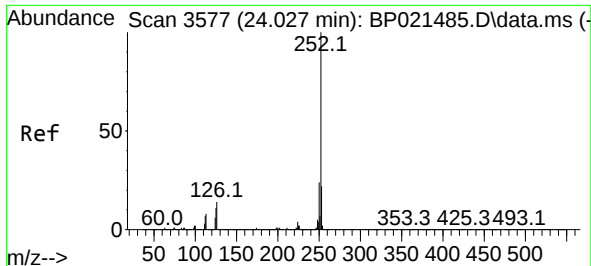
Ion Ratio Lower Upper

276 100

138 23.0 12.8 19.2#

277 25.7 16.5 24.7#





#88

Benzo(b)fluoranthene

Concen: 42.747 ng

RT: 24.074 min Scan# 3585

Delta R.T. 0.017 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

Instrument :

BNA_P

ClientSampleId :

S-904-J-SO-0.5-1-081924

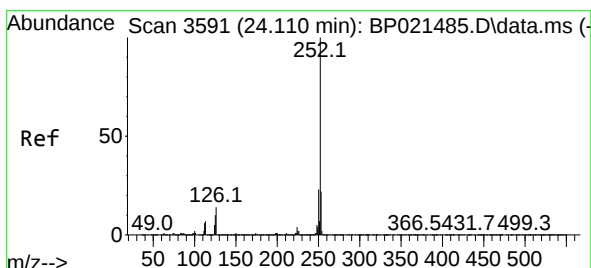
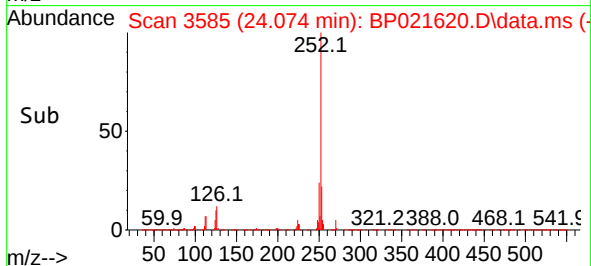
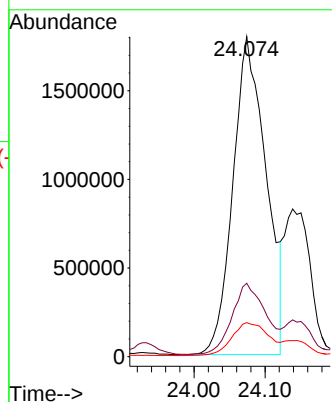
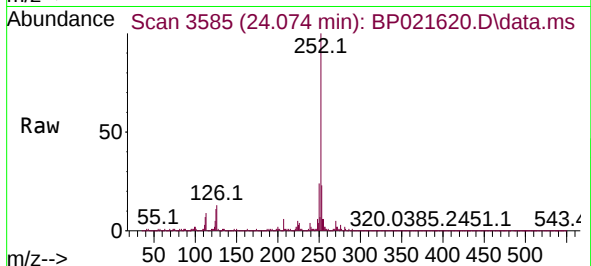
Tgt Ion:252 Resp: 5816273

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.7 8.6 13.0



#89

Benzo(k)fluoranthene

Concen: 16.161 ng m

RT: 24.139 min Scan# 3596

Delta R.T. 0.006 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

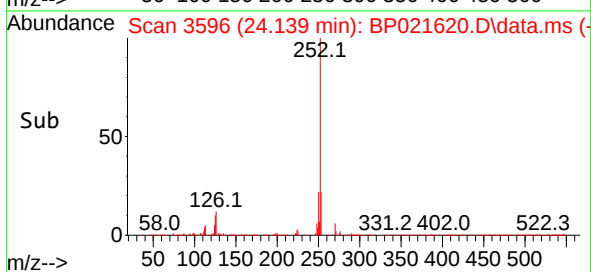
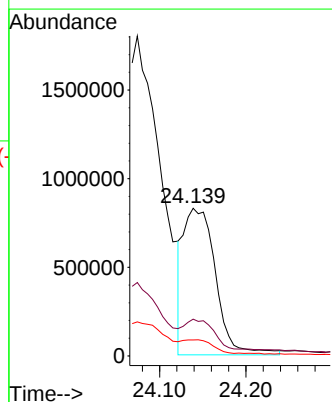
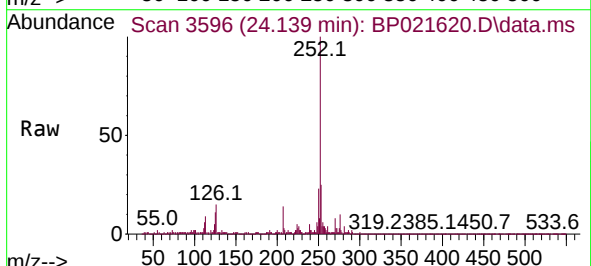
Tgt Ion:252 Resp: 2145052

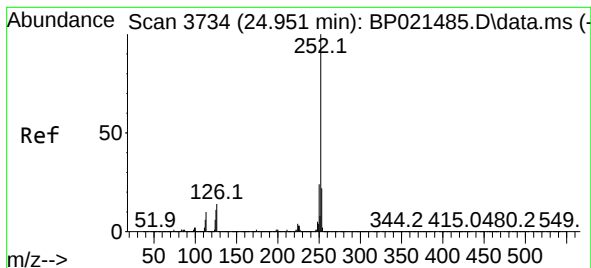
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 10.8 7.8 11.8





#90

Benzo(a)pyrene

Concen: 39.444 ng

RT: 25.009 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

Instrument :

BNA_P

ClientSampleId :

S-904-J-SO-0.5-1-081924

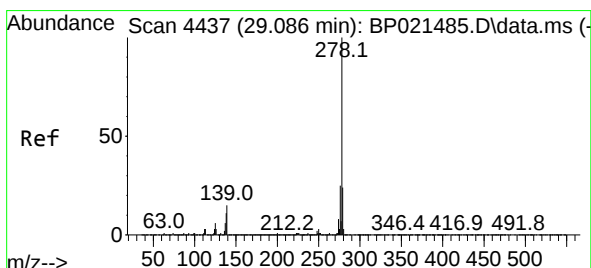
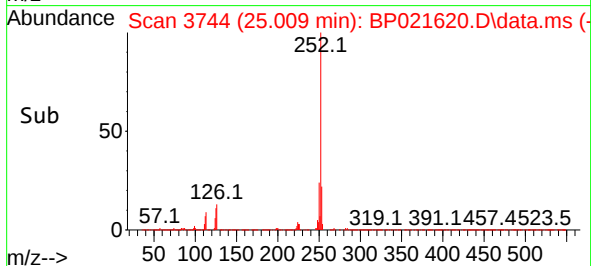
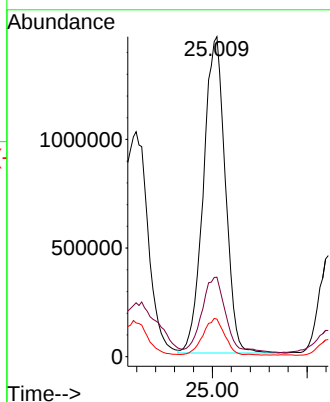
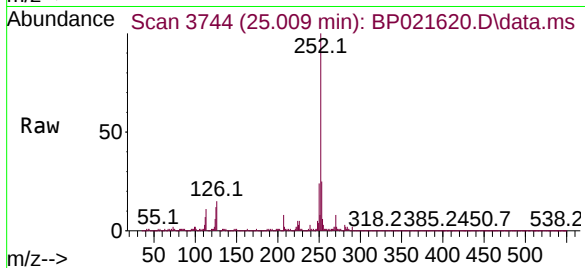
Tgt Ion:252 Resp: 4657427

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 11.7 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 6.540 ng

RT: 29.127 min Scan# 4444

Delta R.T. -0.006 min

Lab File: BP021620.D

Acq: 22 Aug 2024 19:23

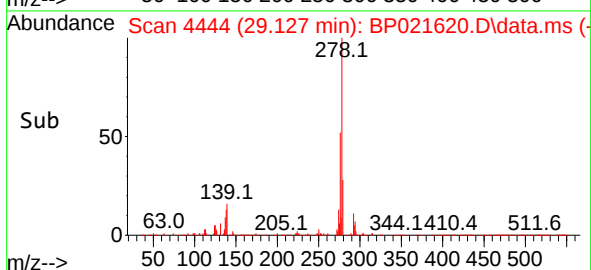
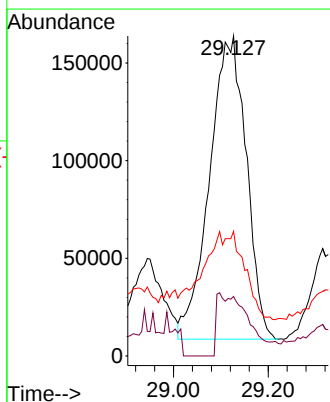
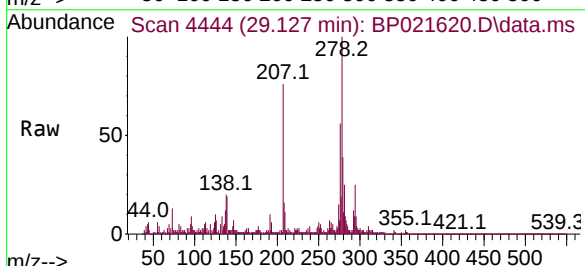
Tgt Ion:278 Resp: 834541

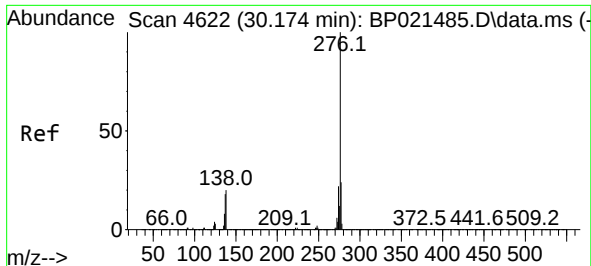
Ion Ratio Lower Upper

278 100

139 18.6 12.2 18.4#

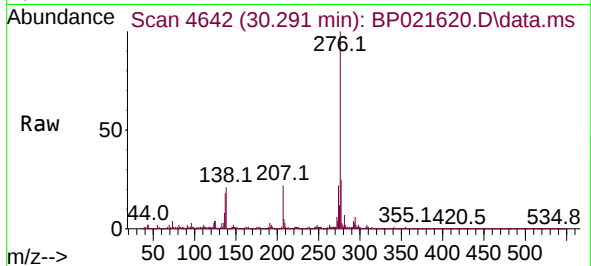
279 38.9 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 23.284 ng
RT: 30.291 min Scan# 4642
Delta R.T. 0.029 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924



Tgt Ion: 276 Resp: 2977737
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 21.3 16.0 24.0

