

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009579.D
 Acq On : 28 Mar 2022 22:51
 Operator : CG/JU
 Sample : N2098-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 V-2-0309-2B

Quant Time: Mar 29 03:14:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

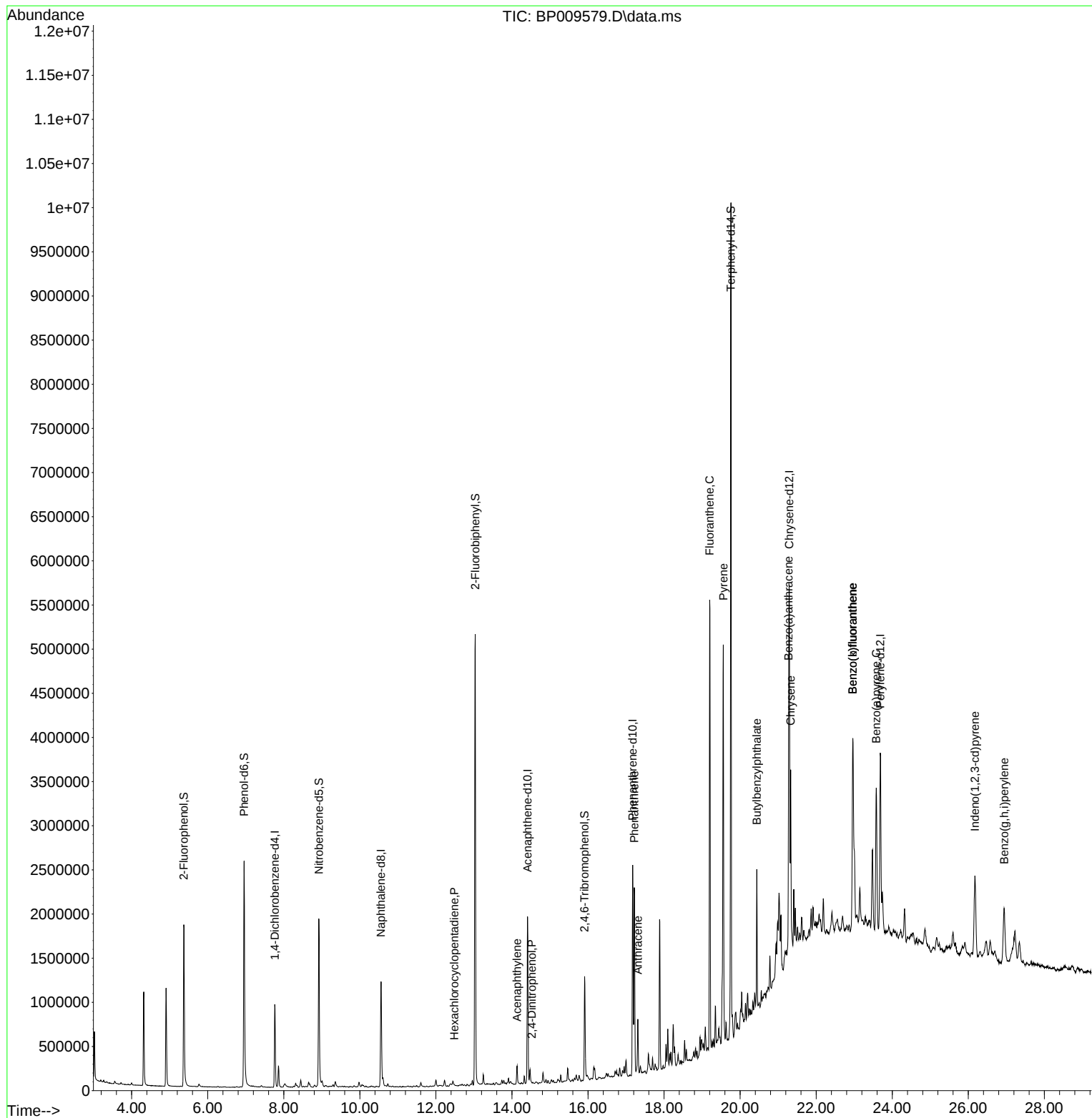
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	285819	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1134785	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	730444	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1560161	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1557135	20.000	ng	0.00
86) Perylene-d12	23.686	264	1697962	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.370	112	1018500	62.215	ng	0.00
7) Phenol-d6	6.958	99	1871654	84.542	ng	0.00
23) Nitrobenzene-d5	8.922	82	1310963	61.391	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	265157	21.998	ng	-0.01
45) 2-Fluorobiphenyl	13.034	172	3034927	57.599	ng	0.00
79) Terphenyl-d14	19.757	244	4840364	55.794	ng	0.00
Target Compounds						
9) Benzaldehyde	6.928	77	9601	Below Cal	Qvalue #	74
41) Hexachlorocyclopentadiene	12.481	237	16	7.290	ng	90
49) Acenaphthylene	14.134	152	173095	2.614	ng	99
54) 2,4-Dinitrophenol	14.522	184	28	4.536	ng #	1
71) Phenanthrene	17.216	178	1440349	17.246	ng	100
72) Anthracene	17.310	178	408471	4.954	ng	99
75) Fluoranthene	19.198	202	3287170	32.511	ng	99
78) Pyrene	19.557	202	2844618	27.723	ng	99
80) Butylbenzylphthalate	20.439	149	484026	11.098	ng	98
81) Benzo(a)anthracene	21.275	228	1399135	13.676	ng	98
83) Chrysene	21.328	228	1124416	11.607	ng	98
87) Indeno(1,2,3-cd)pyrene	26.174	276	933967	7.250	ng #	92
88) Benzo(b)fluoranthene	22.963	252	2243754	22.136	ng	97
89) Benzo(k)fluoranthene	22.963	252	2243754	22.608	ng	97
90) Benzo(a)pyrene	23.580	252	1261005	14.540	ng	98
92) Benzo(g,h,i)perylene	26.945	276	914836	8.662	ng	97

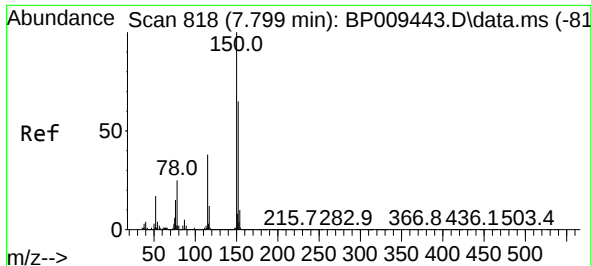
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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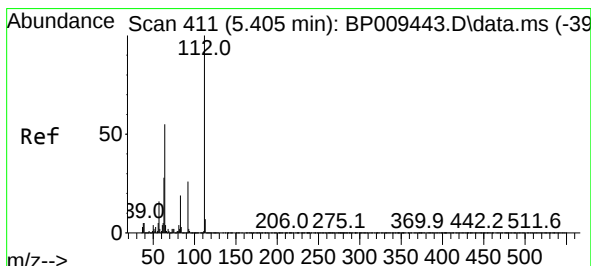
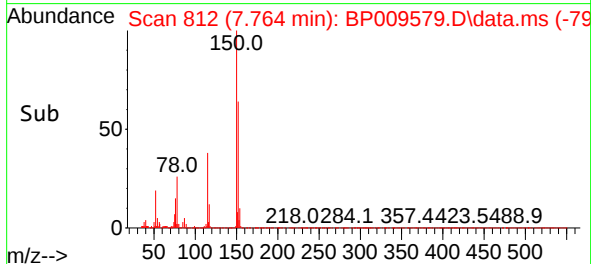
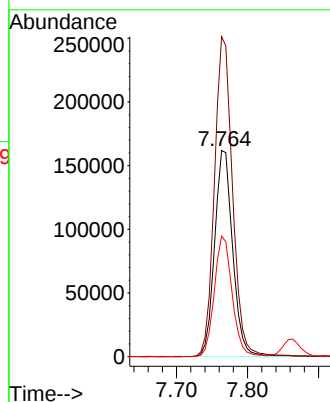
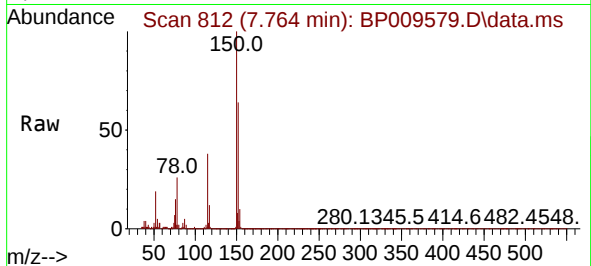




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

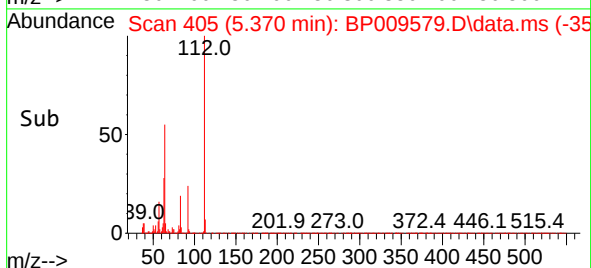
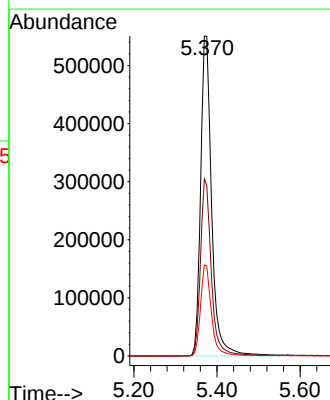
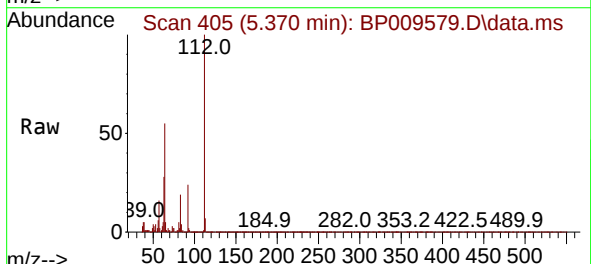
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BNA_P
ClientSampleId :
V-2-0309-2B

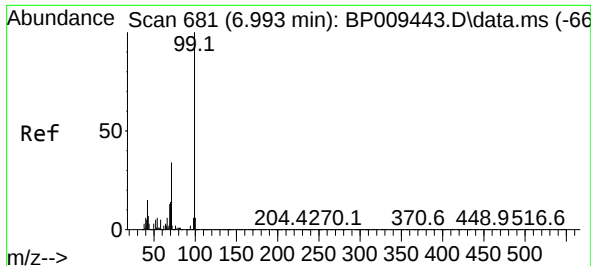
Tgt Ion:152 Resp: 285819
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 58.5 48.2 72.4



#5
2-Fluorophenol
Concen: 62.215 ng
RT: 5.370 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:112 Resp: 1018500
Ion Ratio Lower Upper
112 100
64 55.3 45.0 67.4
63 28.5 23.0 34.6

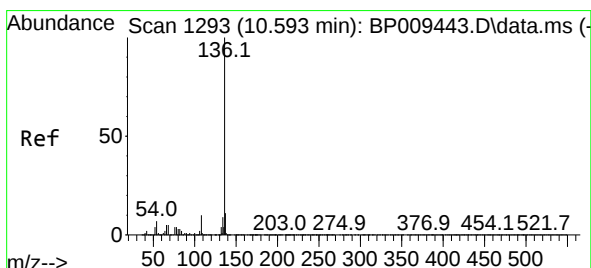
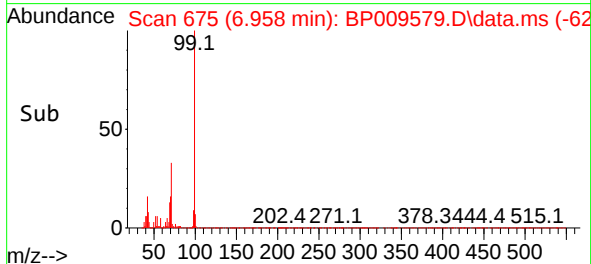
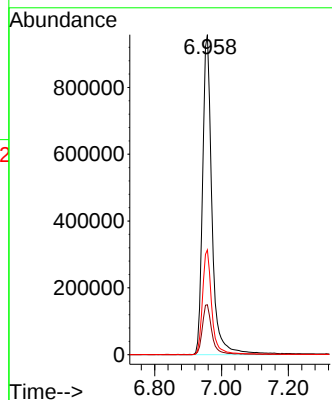
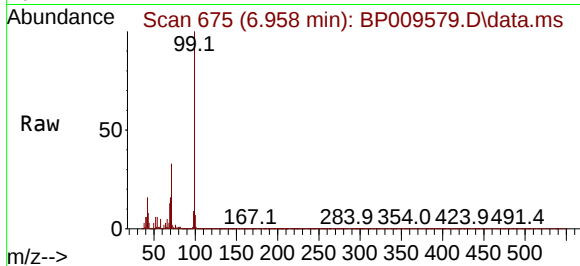




#7
Phenol-d6
Concen: 84.542 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

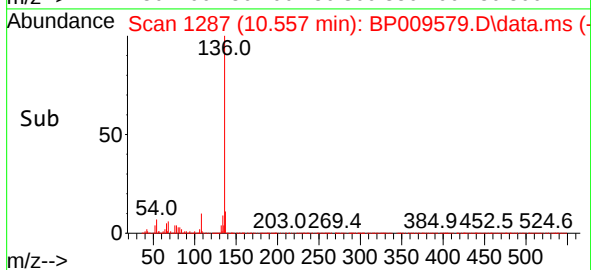
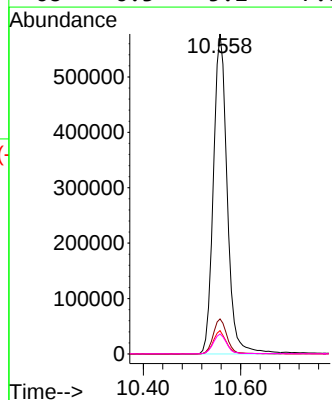
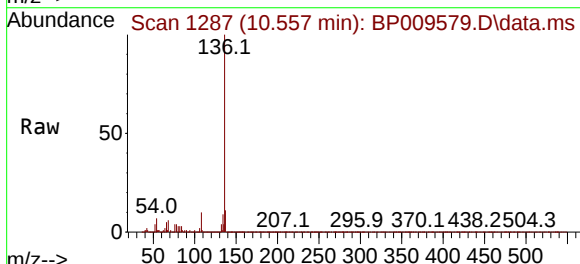
Instrument :
BNA_P
ClientSampleId :
V-2-0309-2B

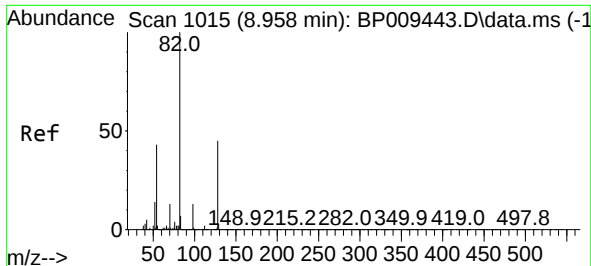
Tgt Ion: 99 Resp: 1871654
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.8 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion: 136 Resp: 1134785
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.3 5.8 8.8
68 6.3 5.2 7.8

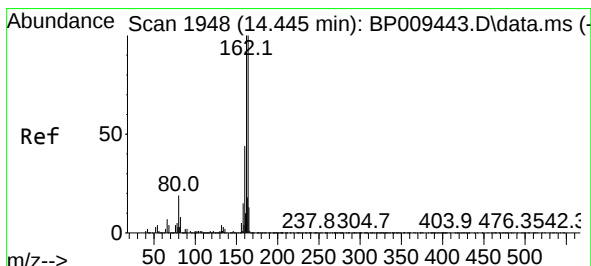
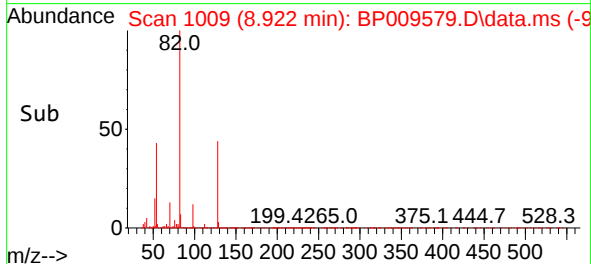
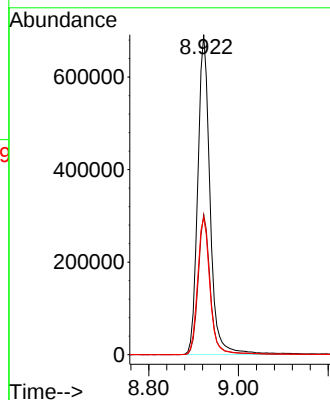
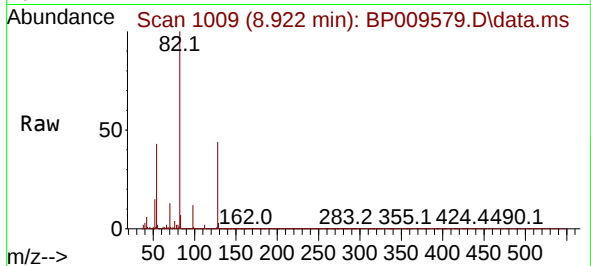




#23
Nitrobenzene-d5
Concen: 61.391 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

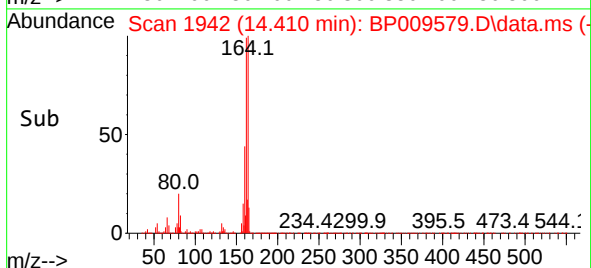
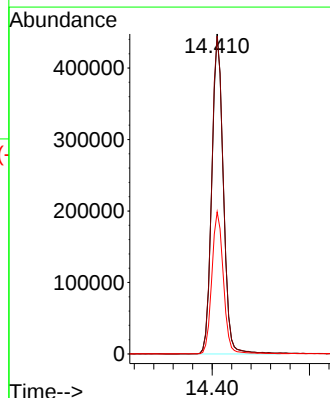
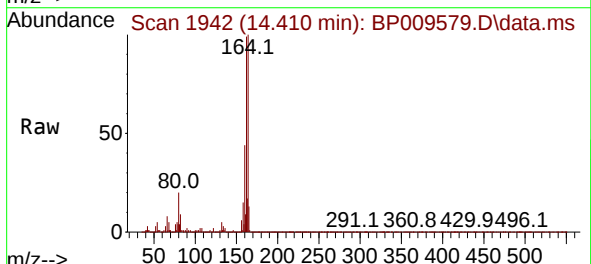
Instrument :
BNA_P
ClientSampleId :
V-2-0309-2B

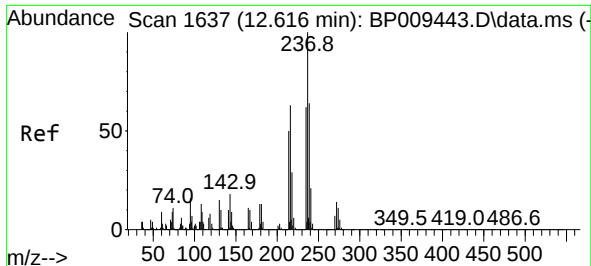
Tgt Ion: 82 Resp: 1310963
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 42.8 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:164 Resp: 730444
Ion Ratio Lower Upper
164 100
162 99.3 79.1 118.7
160 44.4 34.9 52.3

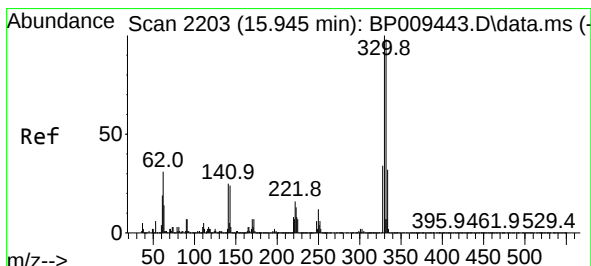
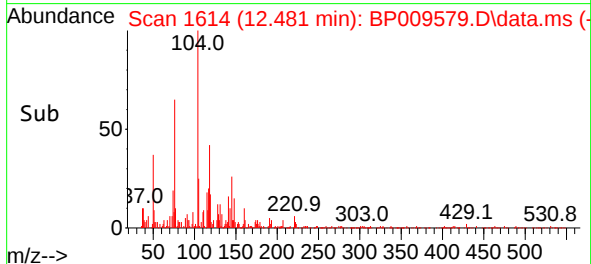
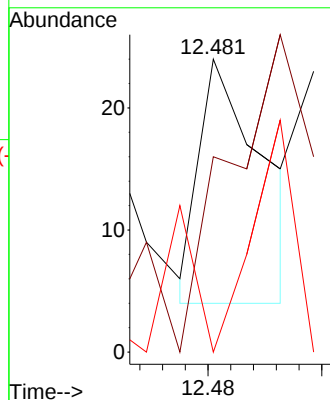
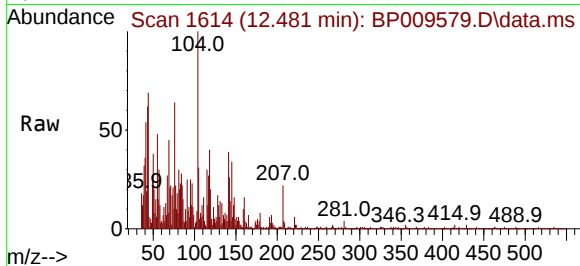




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.481 min Scan# 1
Delta R.T. -0.106 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

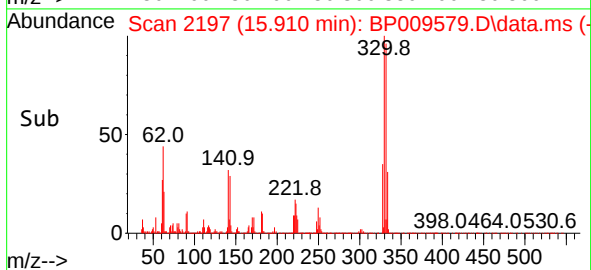
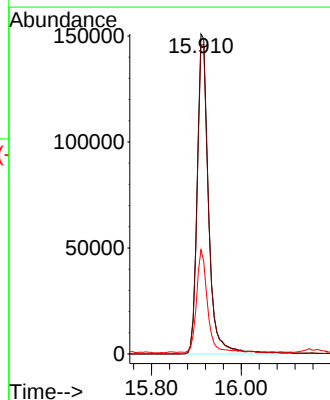
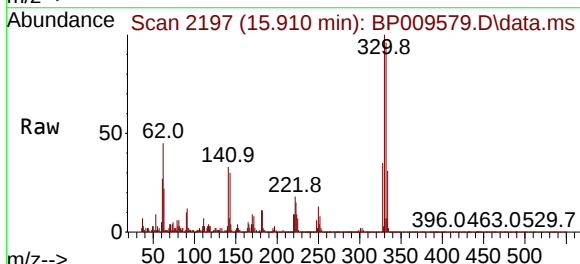
Instrument :
BNA_P
ClientSampleId :
V-2-0309-2B

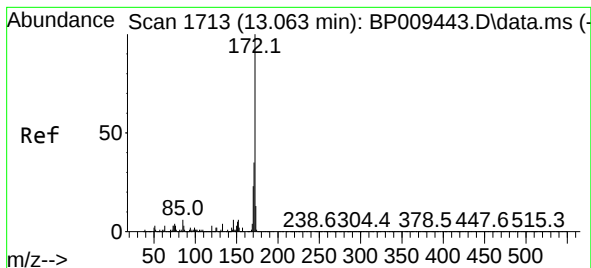
Tgt Ion:237	Resp:	16
Ion Ratio	Lower	Upper
237	100	
235	66.7	42.6 82.6
272	0.0	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 21.998 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:330	Resp:	265157
Ion Ratio	Lower	Upper
330	100	
332	97.3	77.0 115.6
141	30.2	27.6 41.4





#45

2-Fluorobiphenyl

Concen: 57.599 ng

RT: 13.034 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

Instrument :

BNA_P

ClientSampleId :

V-2-0309-2B

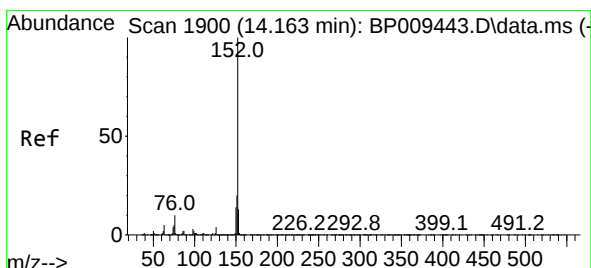
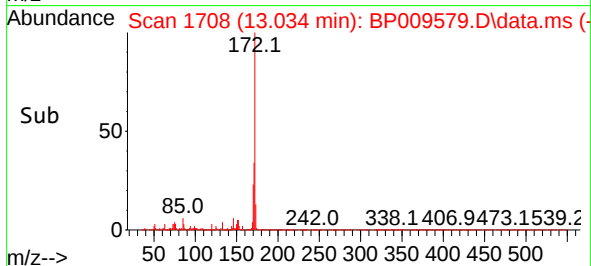
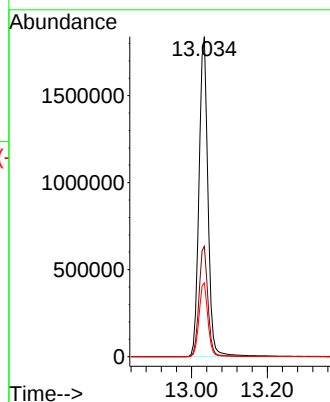
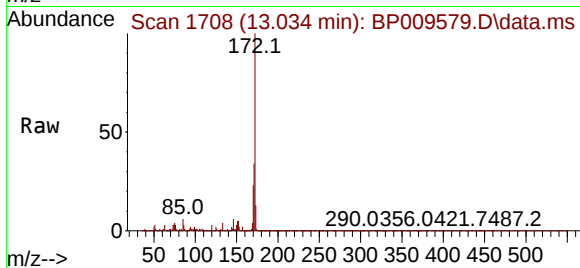
Tgt Ion:172 Resp: 3034927

Ion Ratio Lower Upper

172 100

171 34.5 28.0 42.0

170 23.1 18.6 27.8



#49

Acenaphthylene

Concen: 2.614 ng

RT: 14.134 min Scan# 1895

Delta R.T. -0.006 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

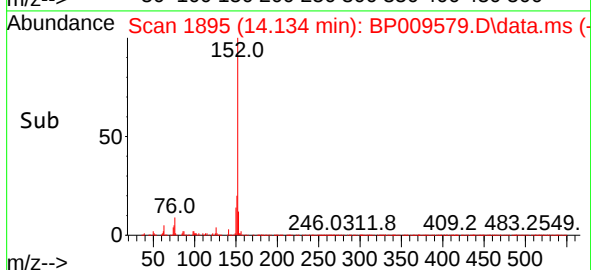
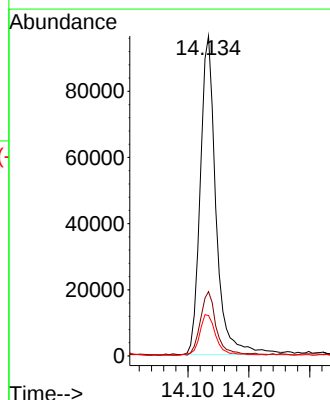
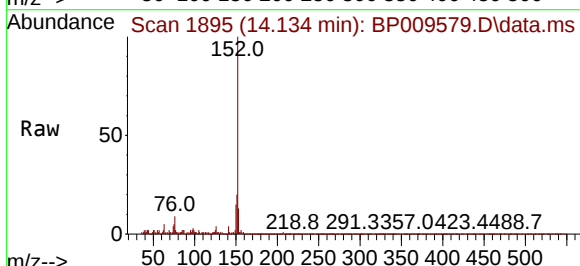
Tgt Ion:152 Resp: 173095

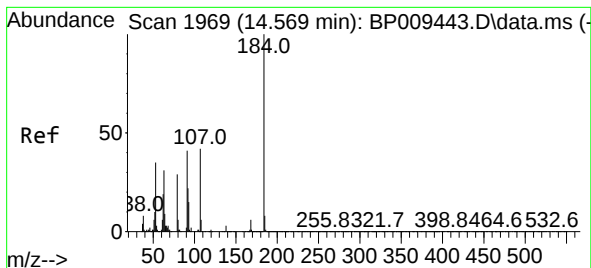
Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 12.7 10.7 16.1

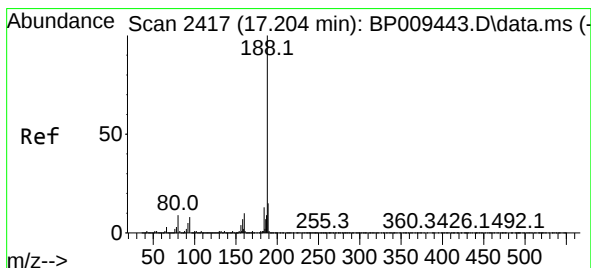
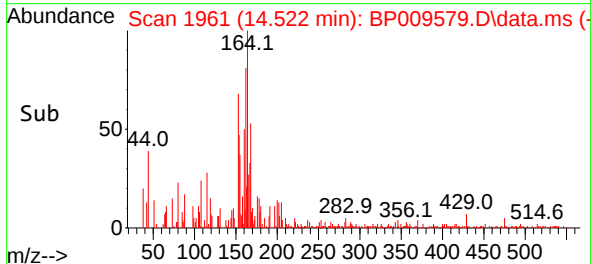
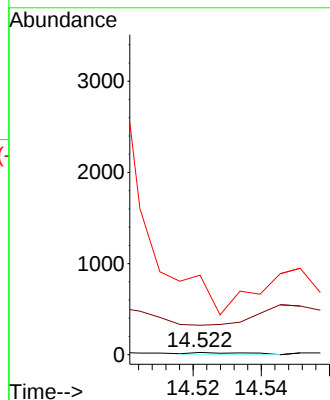
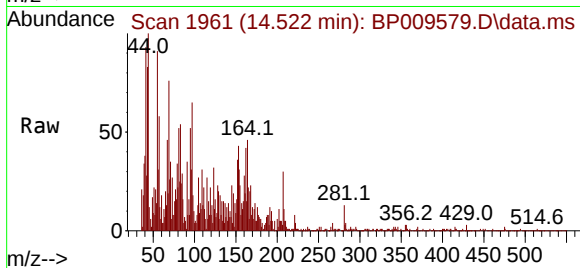




#54
2,4-Dinitrophenol
Concen: 4.536 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.029 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

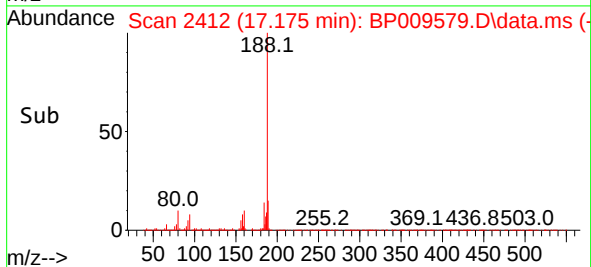
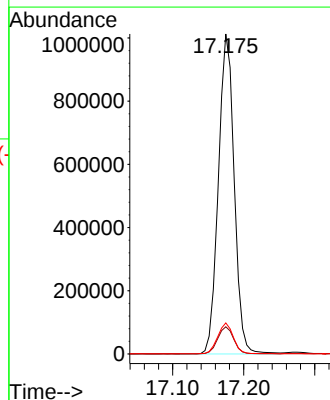
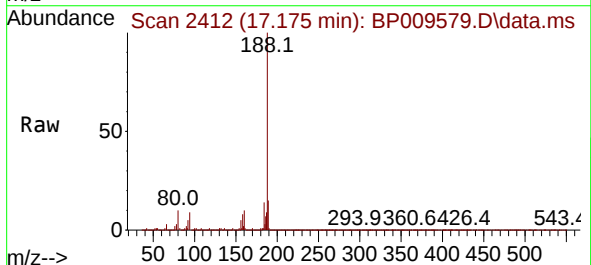
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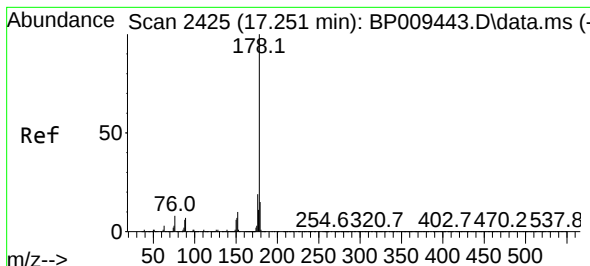
Tgt Ion:184 Resp: 28
Ion Ratio Lower Upper
184 100
63 1296.0 46.3 69.5#
154 3488.0 45.8 68.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:188 Resp: 1560161
Ion Ratio Lower Upper
188 100
94 8.5 7.9 11.9
80 9.7 8.8 13.2





#71

Phenanthrene

Concen: 17.246 ng

RT: 17.216 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

Instrument :

BNA_P

ClientSampleId :

V-2-0309-2B

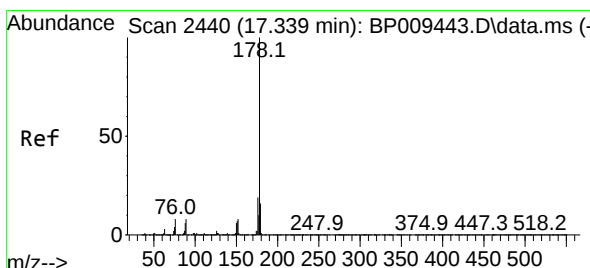
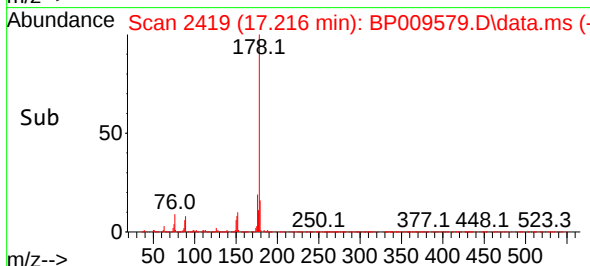
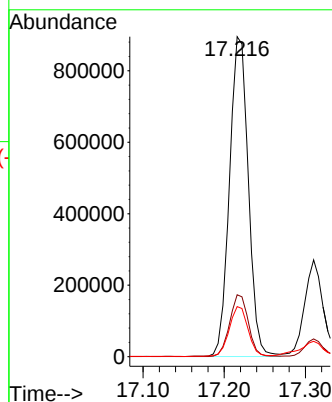
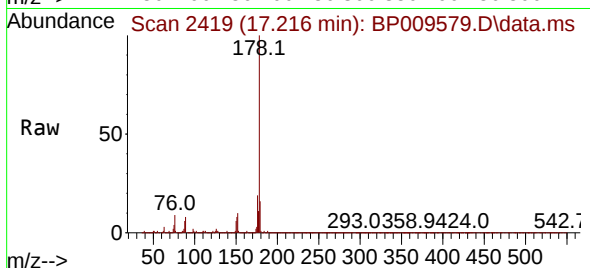
Tgt Ion:178 Resp: 1440349

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 4.954 ng

RT: 17.310 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

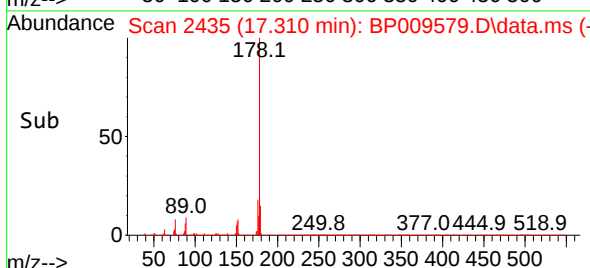
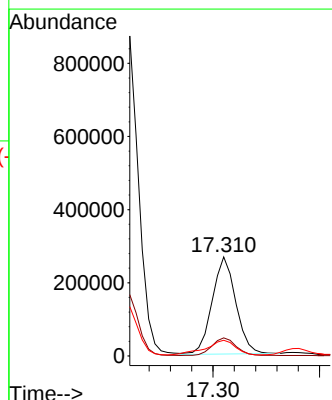
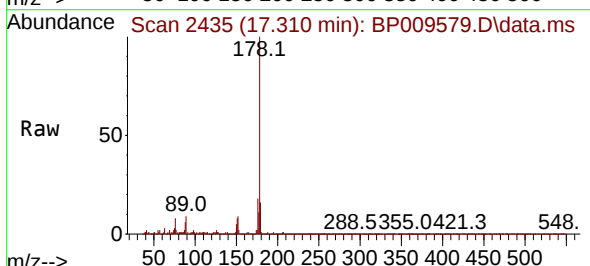
Tgt Ion:178 Resp: 408471

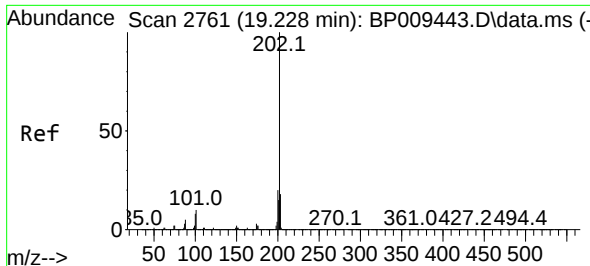
Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 15.8 12.2 18.4

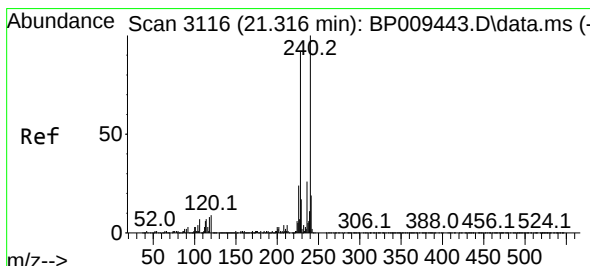
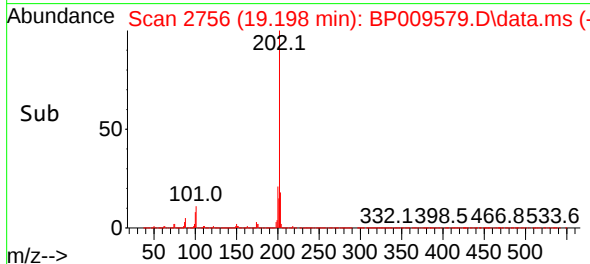
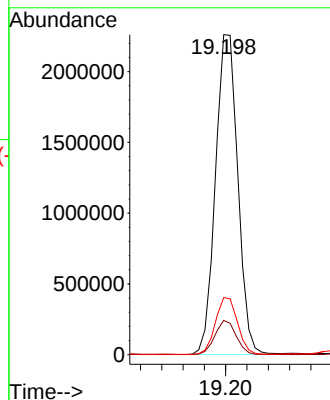
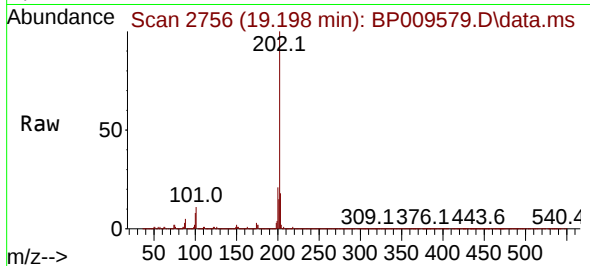




#75
Fluoranthene
Concen: 32.511 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

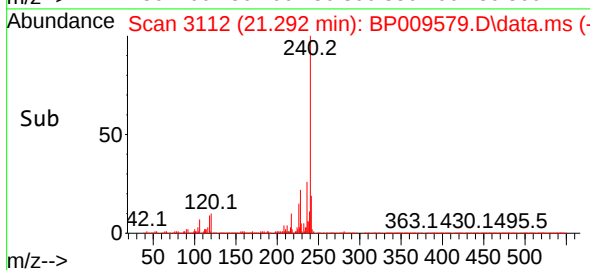
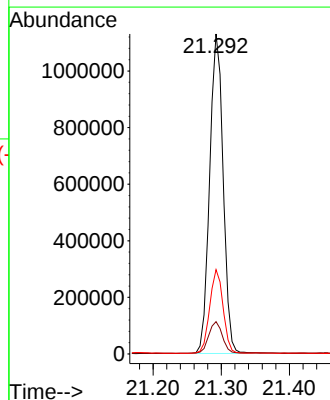
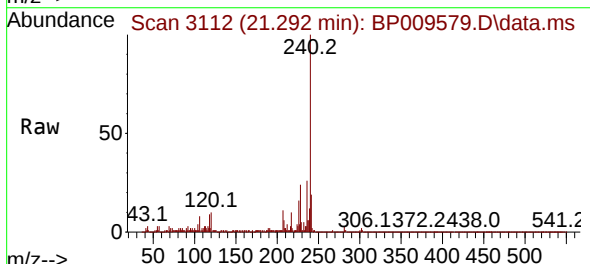
Instrument :
BNA_P
ClientSampleId :
V-2-0309-2B

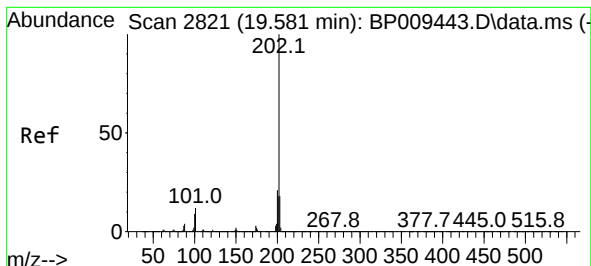
Tgt Ion:202 Resp: 3287170
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:240 Resp: 1557135
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 26.3 20.6 30.8





#78

Pyrene

Concen: 27.723 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

Instrument :

BNA_P

ClientSampleId :

V-2-0309-2B

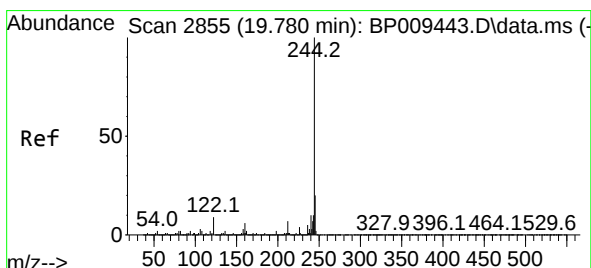
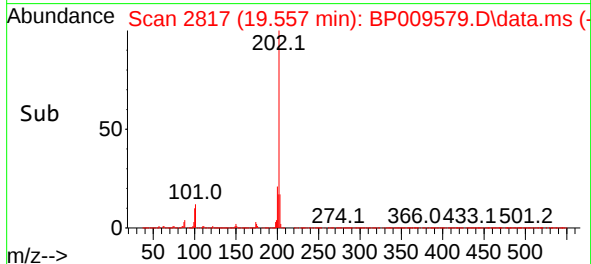
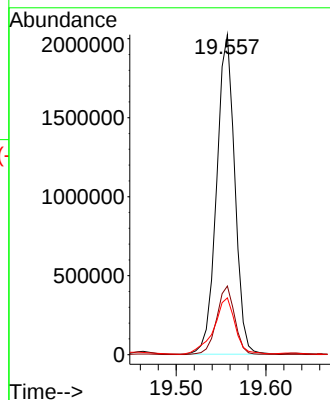
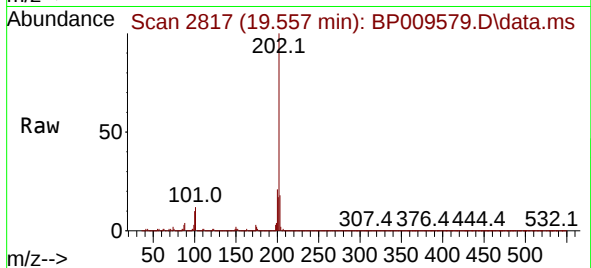
Tgt Ion:202 Resp: 2844618

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 55.794 ng

RT: 19.757 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

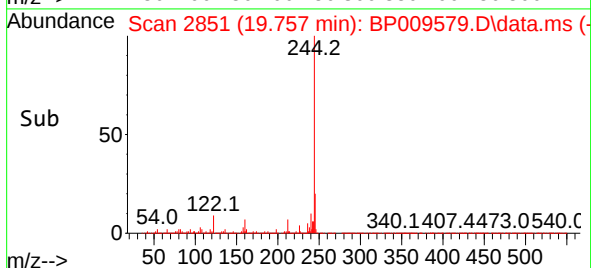
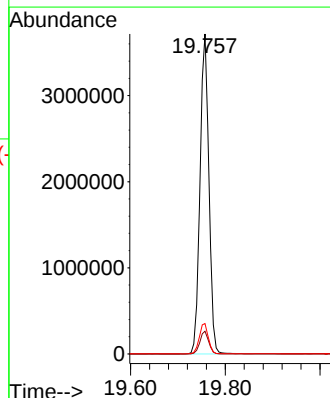
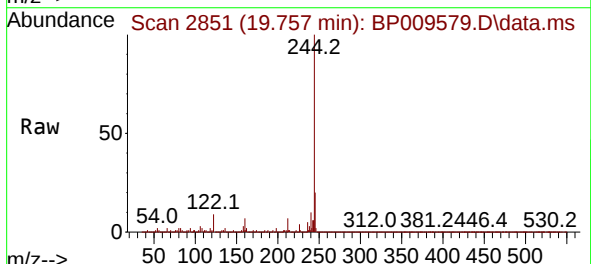
Tgt Ion:244 Resp: 4840364

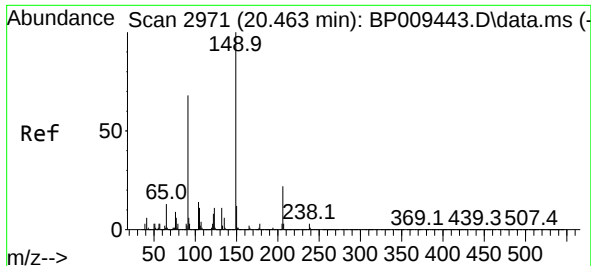
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.5 8.3 12.5

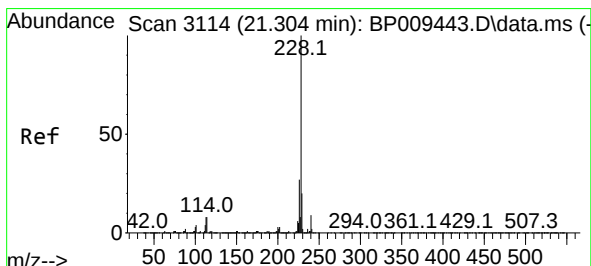
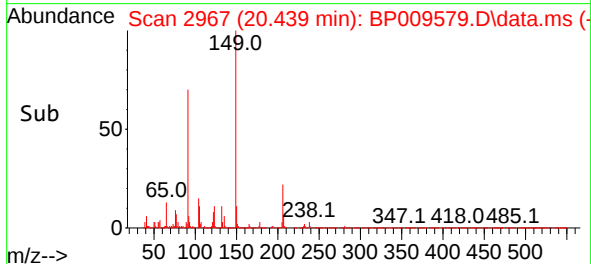
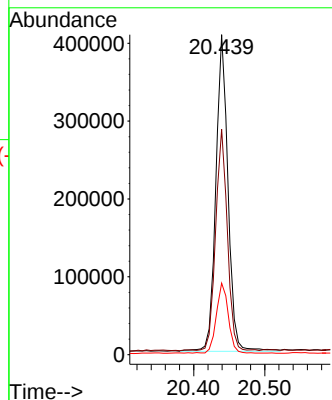
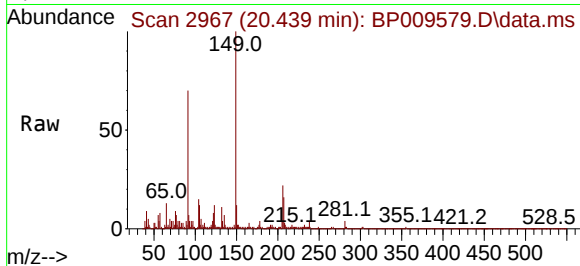




#80
 Butylbenzylphthalate
 Concen: 11.098 ng
 RT: 20.439 min Scan# 2971
 Delta R.T. -0.006 min
 Lab File: BP009579.D
 Acq: 28 Mar 2022 22:51

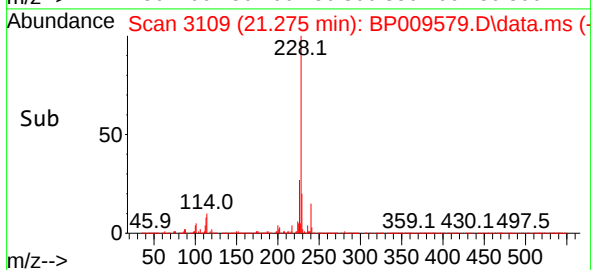
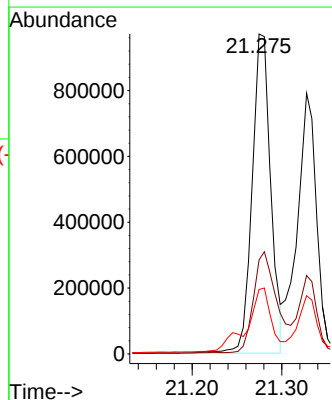
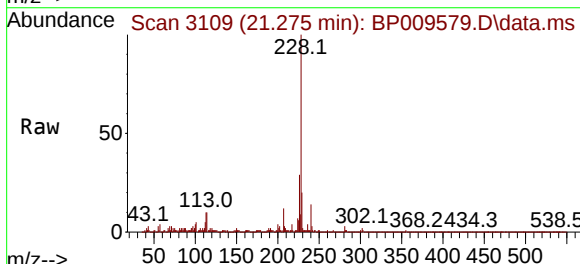
Instrument :
 BNA_P
 ClientSampleId :
 V-2-0309-2B

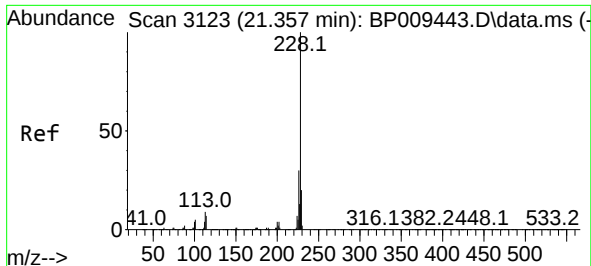
Tgt Ion:149 Resp: 484026
 Ion Ratio Lower Upper
 149 100
 91 70.4 57.9 86.9
 206 22.4 16.9 25.3



#81
 Benzo(a)anthracene
 Concen: 13.676 ng
 RT: 21.275 min Scan# 3109
 Delta R.T. -0.012 min
 Lab File: BP009579.D
 Acq: 28 Mar 2022 22:51

Tgt Ion:228 Resp: 1399135
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.0 33.0
 229 20.1 16.1 24.1

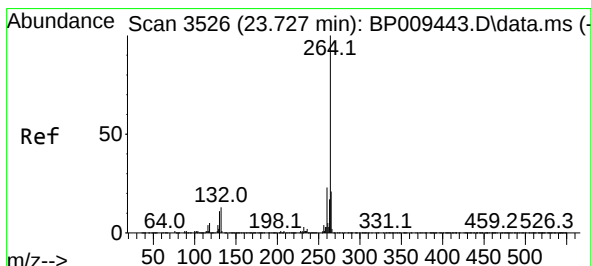
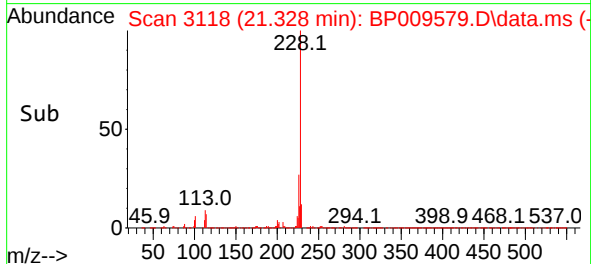
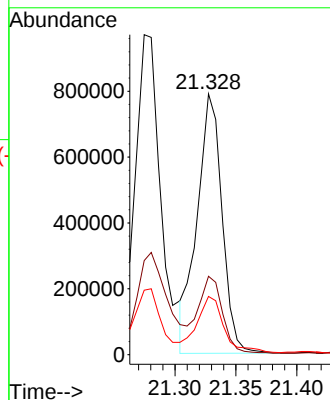
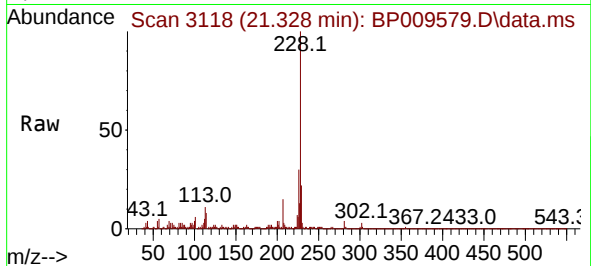




#83
Chrysene
Concen: 11.607 ng
RT: 21.328 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

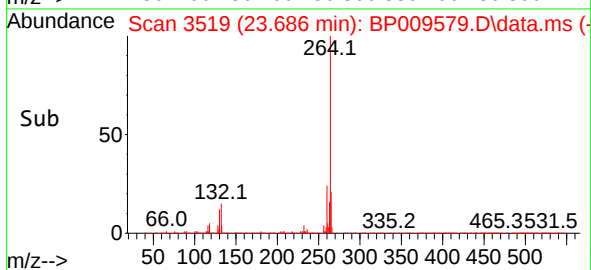
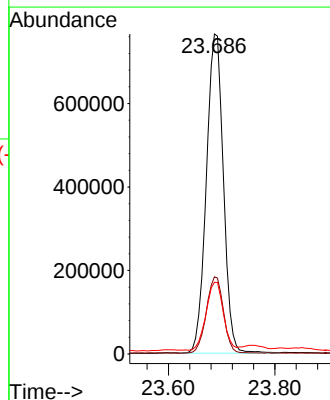
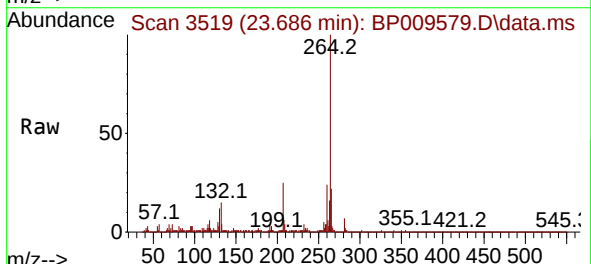
Instrument :
BNA_P
ClientSampleId :
V-2-0309-2B

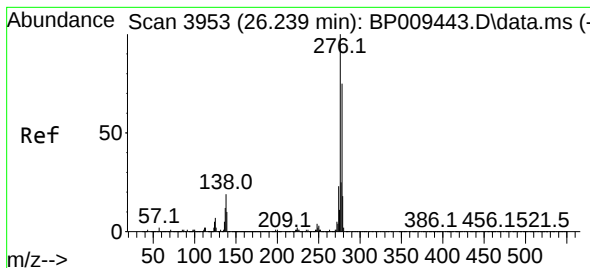
Tgt Ion:228 Resp: 1124416
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 22.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:264 Resp: 1697962
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.0
265 22.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.250 ng

RT: 26.174 min Scan# 3953

Delta R.T. -0.024 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

Instrument :

BNA_P

ClientSampleId :

V-2-0309-2B

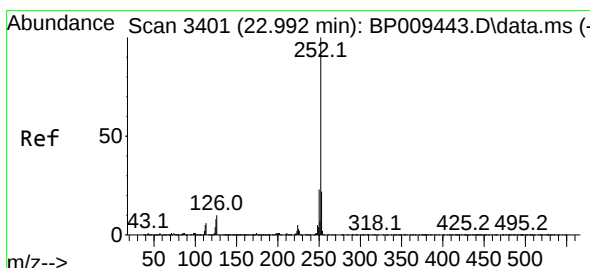
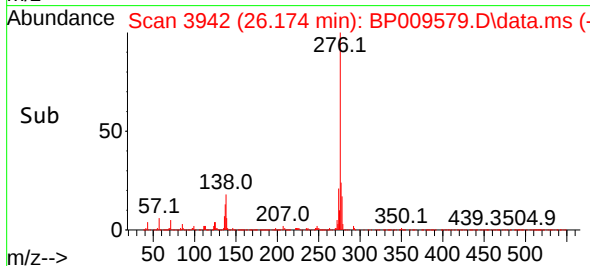
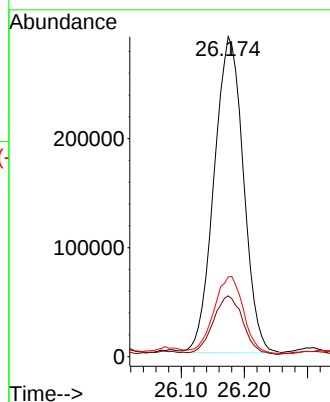
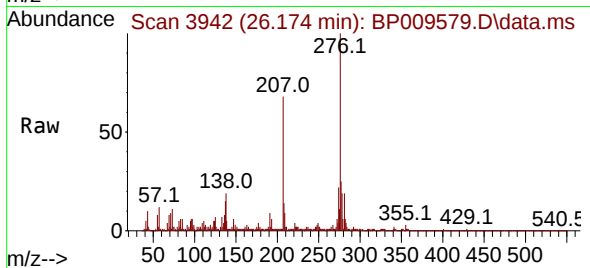
Tgt Ion:276 Resp: 933967

Ion Ratio Lower Upper

276 100

138 18.8 20.5 30.7#

277 24.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 22.136 ng

RT: 22.963 min Scan# 3396

Delta R.T. 0.000 min

Lab File: BP009579.D

Acq: 28 Mar 2022 22:51

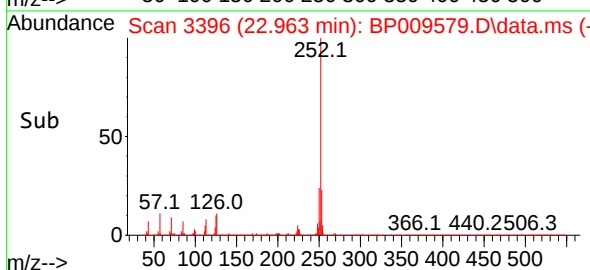
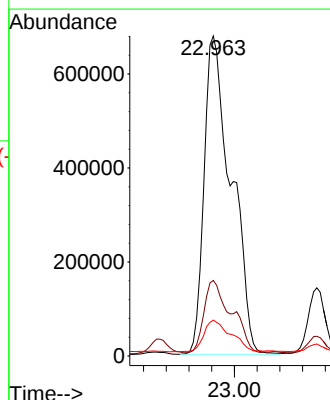
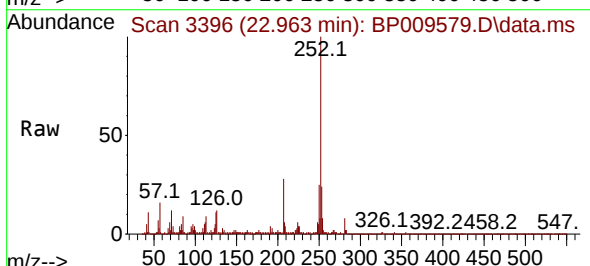
Tgt Ion:252 Resp: 2243754

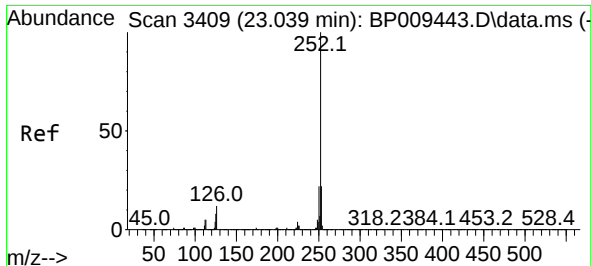
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.2 8.1 12.1

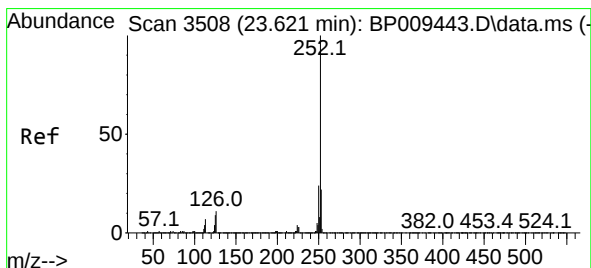
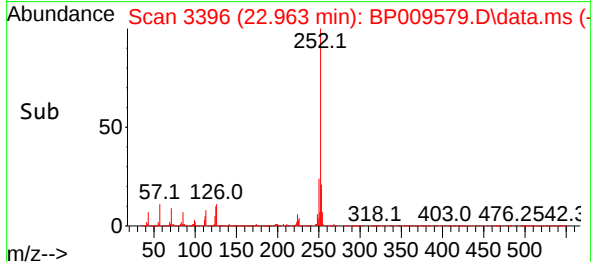
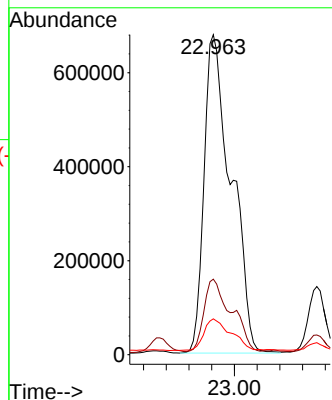
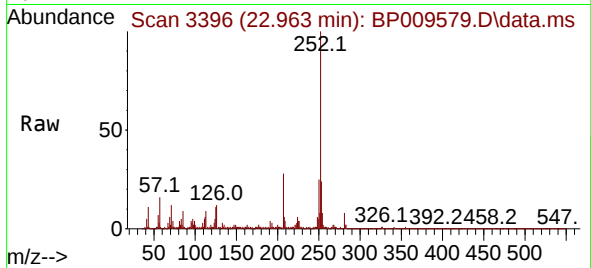




#89
Benzo(k)fluoranthene
Concen: 22.608 ng
RT: 22.963 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

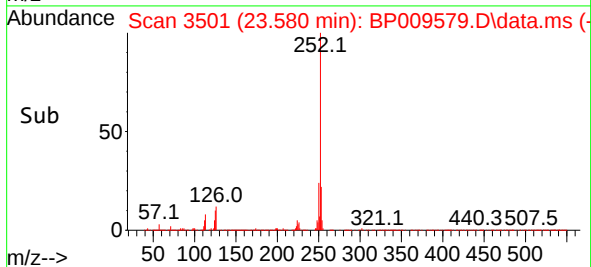
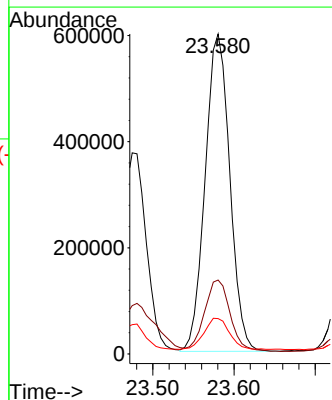
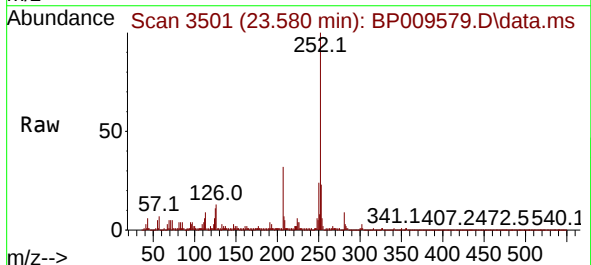
Instrument :
BNA_P
ClientSampleId :
V-2-0309-2B

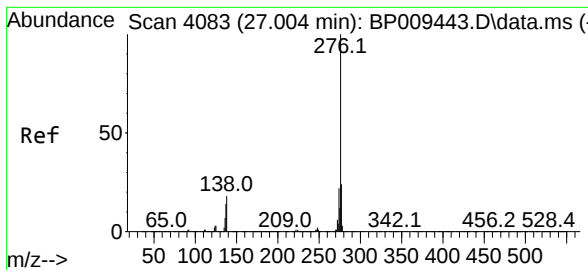
Tgt Ion:252 Resp: 2243754
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 14.540 ng
RT: 23.580 min Scan# 3501
Delta R.T. -0.006 min
Lab File: BP009579.D
Acq: 28 Mar 2022 22:51

Tgt Ion:252 Resp: 1261005
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.0 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 8.662 ng
 RT: 26.945 min Scan# 4083
 Delta R.T. -0.006 min
 Lab File: BP009579.D
 Acq: 28 Mar 2022 22:51

Instrument :
 BNA_P
 ClientSampleId :
 V-2-0309-2B

Tgt Ion:276 Resp: 914836

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	19.3	18.0	27.0

