

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032522\
 Data File : BP009557.D
 Acq On : 25 Mar 2022 17:52
 Operator : CG/JU
 Sample : N2109-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Quant Time: Mar 26 03:01:07 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)

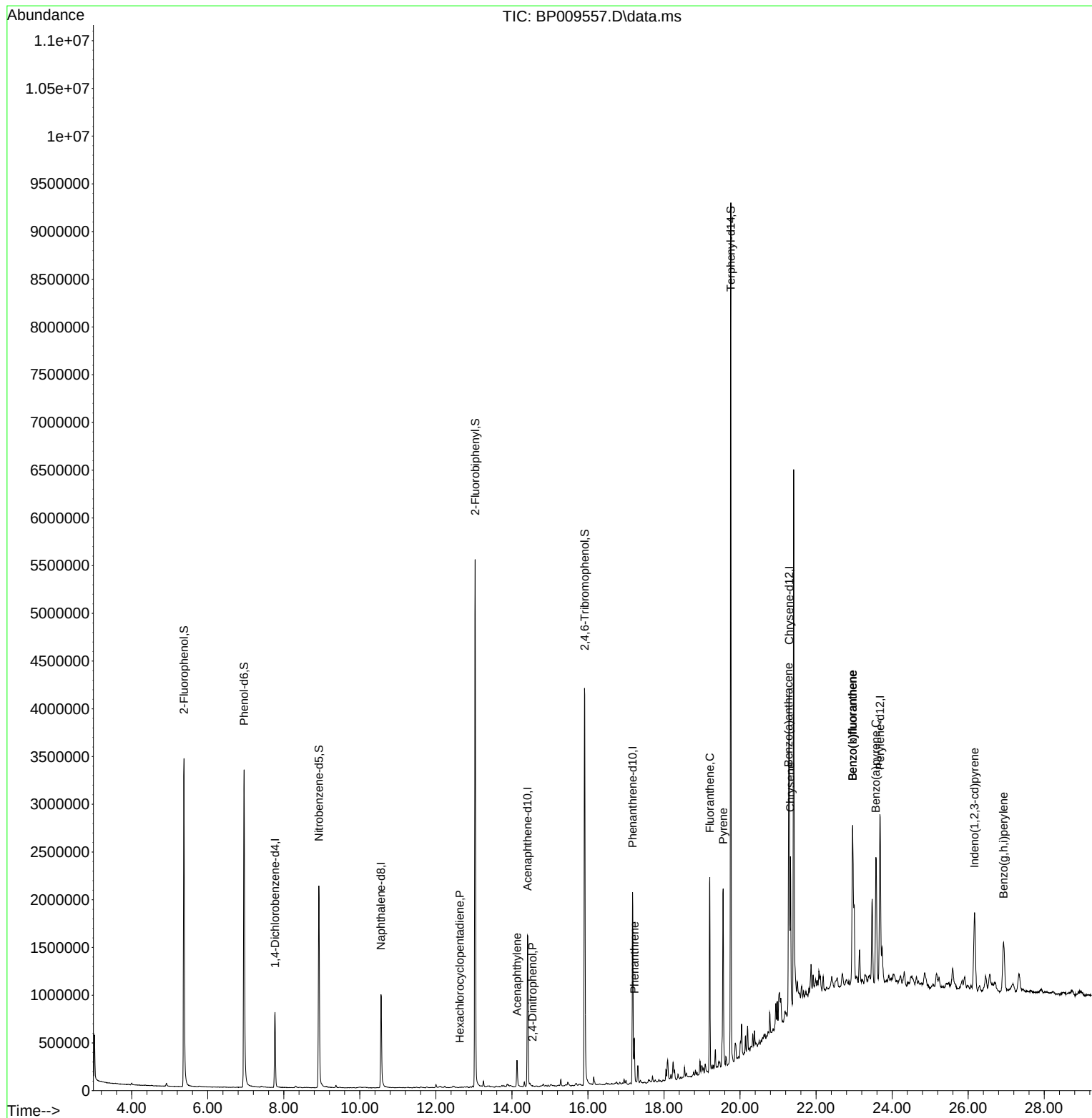
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	252126	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	997390	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	638860	20.000	ng	-0.01
64) Phenanthrene-d10	17.174	188	1324170	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1332602	20.000	ng	0.00
86) Perylene-d12	23.680	264	1432859	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1877679	130.026	ng	0.00
7) Phenol-d6	6.957	99	2404594	123.129	ng	0.00
23) Nitrobenzene-d5	8.922	82	1494138	79.607	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	1007490	95.566	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	3168676	68.759	ng	0.00
79) Terphenyl-d14	19.757	244	4581556	61.709	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.957	77	5109	Below Cal	#	13
41) Hexachlorocyclopentadiene	12.628	237	6	7.289	ng	89
49) Acenaphthylene	14.133	152	245087	4.231	ng	99
54) 2,4-Dinitrophenol	14.545	184	76	4.544	ng	# 1
71) Phenanthrene	17.222	178	313575	4.424	ng	100
75) Fluoranthene	19.204	202	1297206	15.116	ng	98
78) Pyrene	19.557	202	1231695	14.026	ng	100
81) Benzo(a)anthracene	21.274	228	1022906	11.684	ng	98
83) Chrysene	21.327	228	955578	11.526	ng	99
87) Indeno(1,2,3-cd)pyrene	26.168	276	804818	7.404	ng	# 93
88) Benzo(b)fluoranthene	22.962	252	1593817	18.633	ng	99
89) Benzo(k)fluoranthene	22.962	252	1593817	19.031	ng	98
90) Benzo(a)pyrene	23.574	252	1053088	14.390	ng	97
92) Benzo(g,h,i)perylene	26.927	276	773501	8.679	ng	95

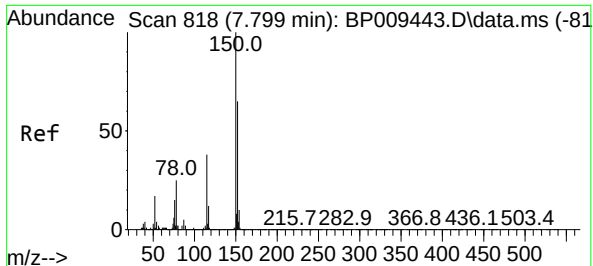
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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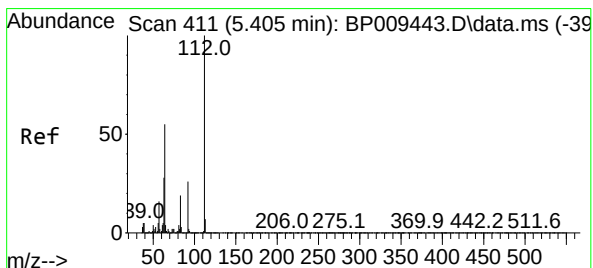
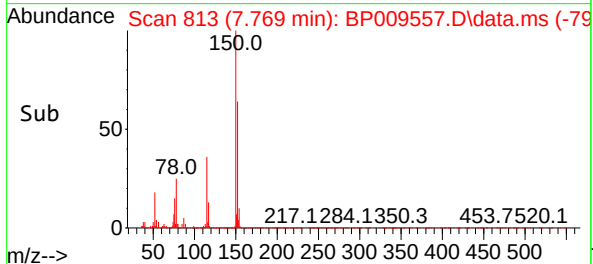
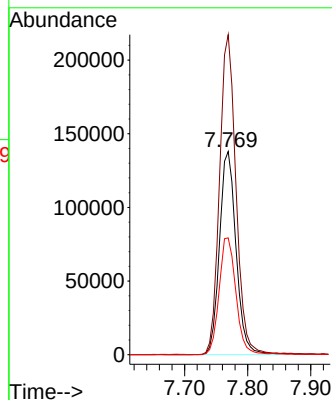
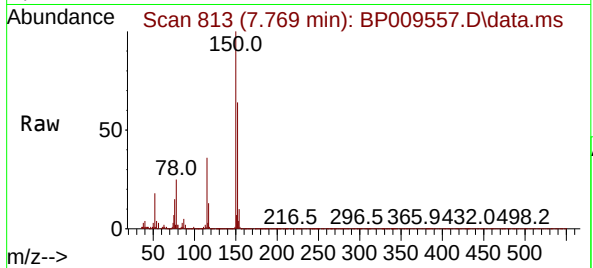




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

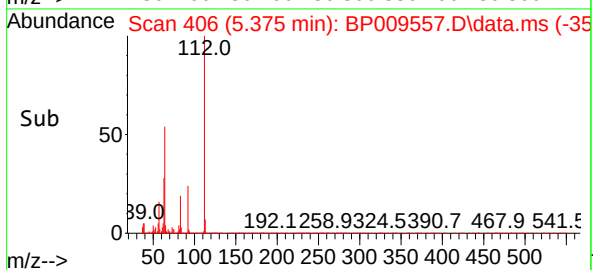
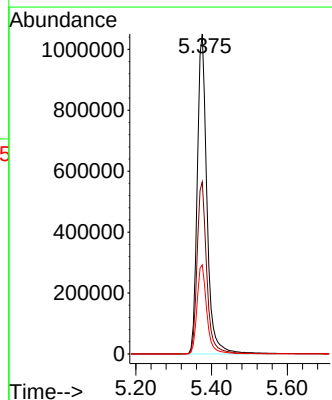
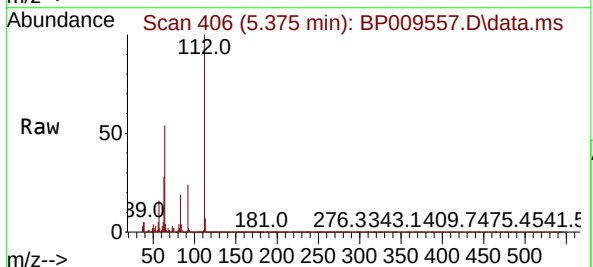
Instrument :
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TP-1

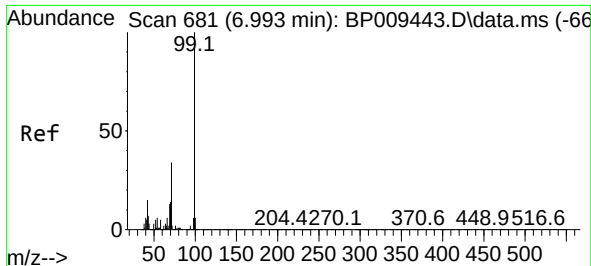
Tgt Ion:152 Resp: 252126
Ion Ratio Lower Upper
152 100
150 157.5 124.5 186.7
115 57.5 48.2 72.4



#5
2-Fluorophenol
Concen: 130.026 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Tgt Ion:112 Resp: 1877679
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 27.9 23.0 34.6

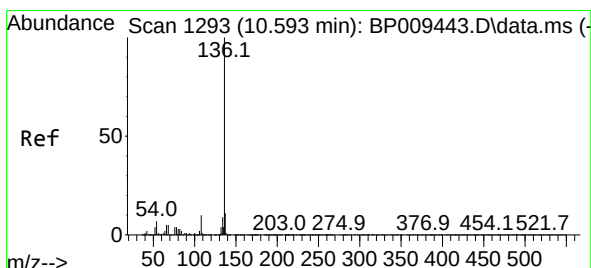
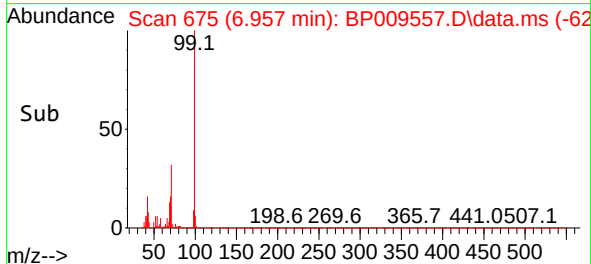
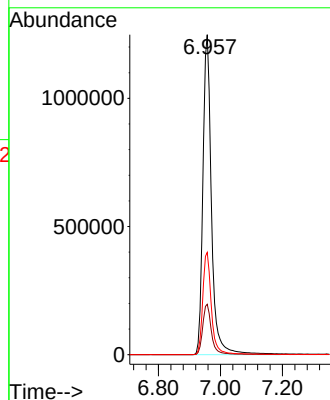
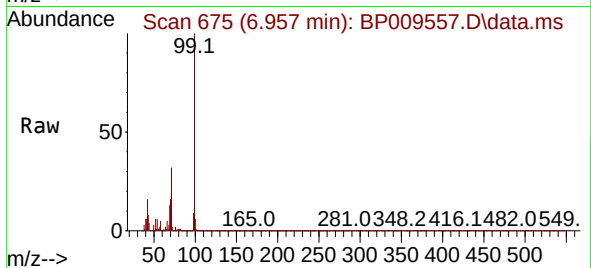




#7
Phenol-d6
Concen: 123.129 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

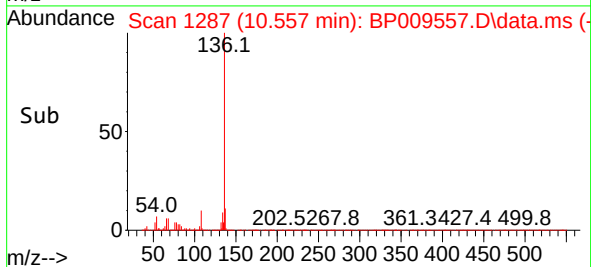
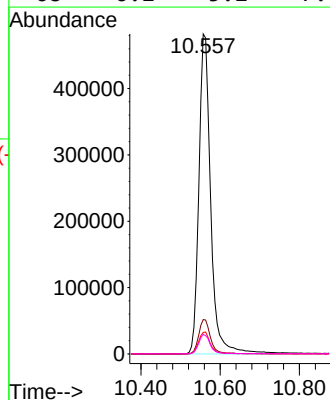
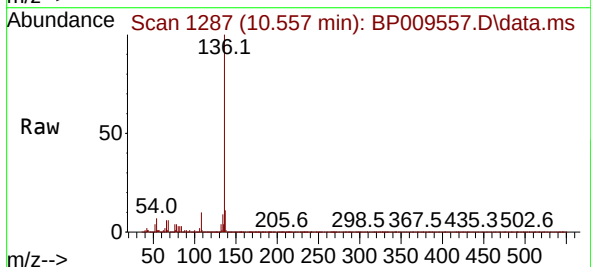
Instrument :
BNA_P
ClientSampleId :
TP-1

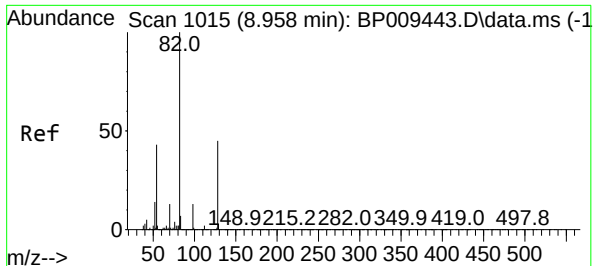
Tgt Ion: 99 Resp: 2404594
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 31.9 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Tgt Ion: 136 Resp: 997390
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 79.607 ng

RT: 8.922 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

Instrument :

BNA_P

ClientSampleId :

TP-1

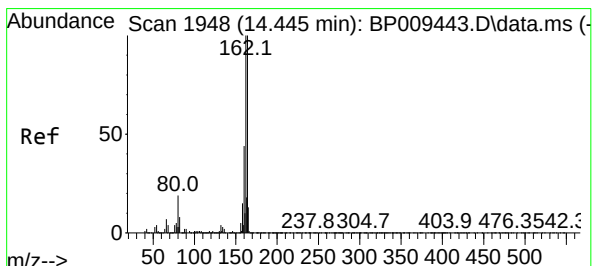
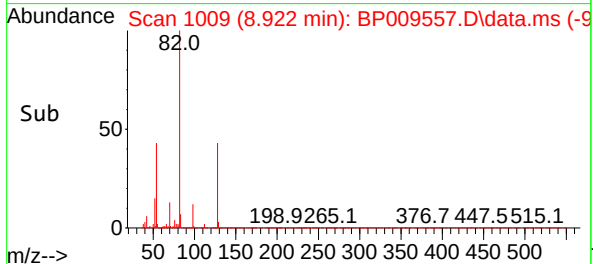
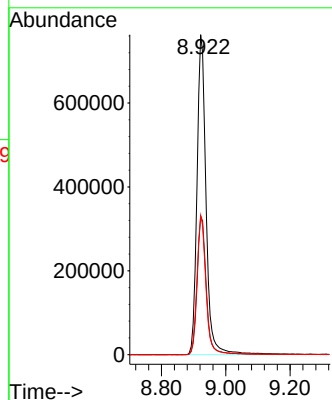
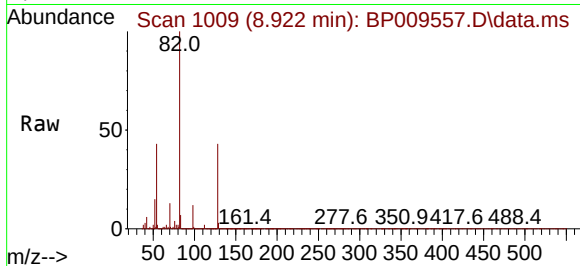
Tgt Ion: 82 Resp: 1494138

Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.4

54 43.5 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: BP009557.D

Acq: 25 Mar 2022 17:52

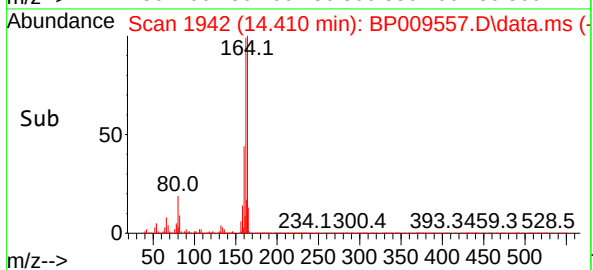
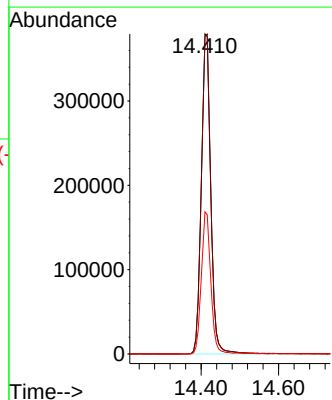
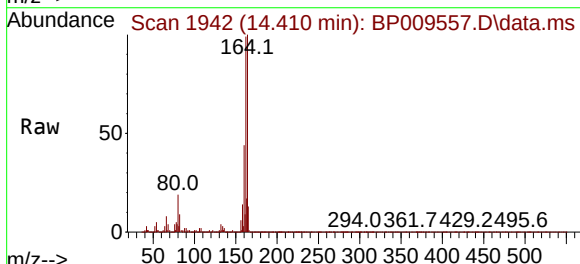
Tgt Ion: 164 Resp: 638860

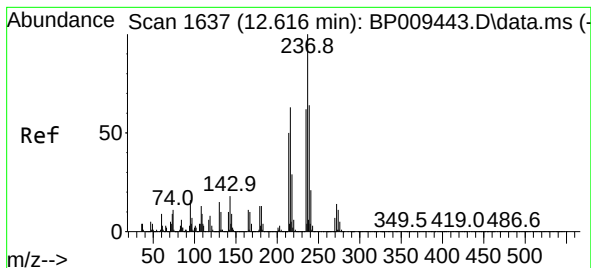
Ion Ratio Lower Upper

164 100

162 99.3 79.1 118.7

160 44.4 34.9 52.3





#41

Hexachlorocyclopentadiene

Concen: 7.289 ng

RT: 12.628 min Scan# 1

Delta R.T. 0.041 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

Instrument :

BNA_P

ClientSampleId :

TP-1

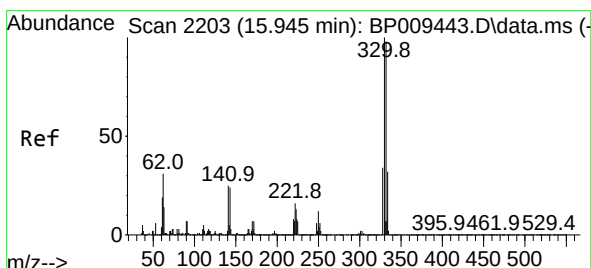
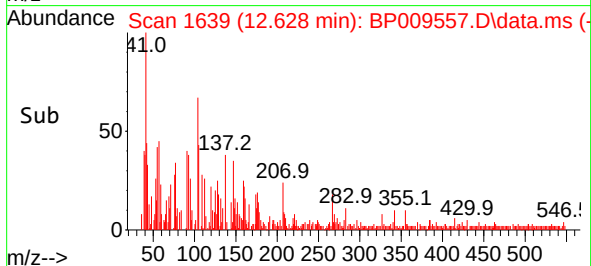
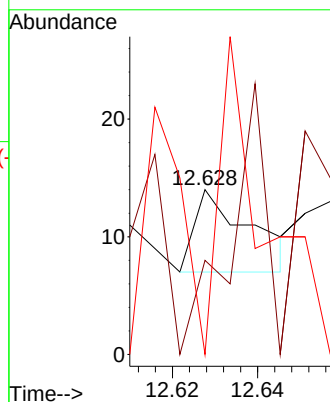
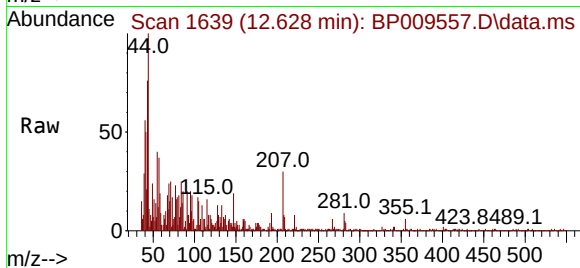
Tgt Ion:237 Resp: 6

Ion Ratio Lower Upper

237 100

235 57.1 42.6 82.6

272 0.0 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 95.566 ng

RT: 15.916 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

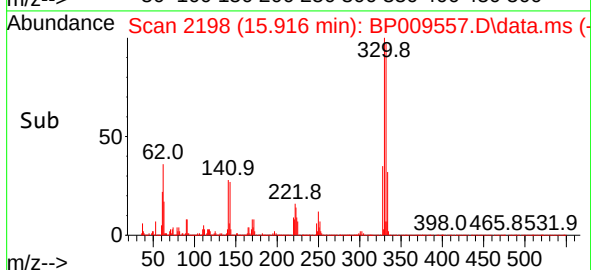
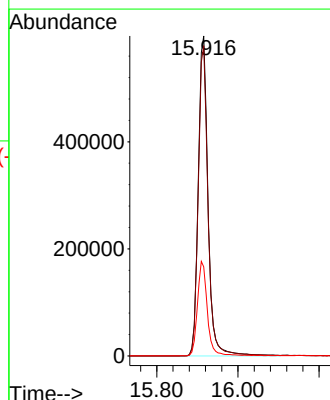
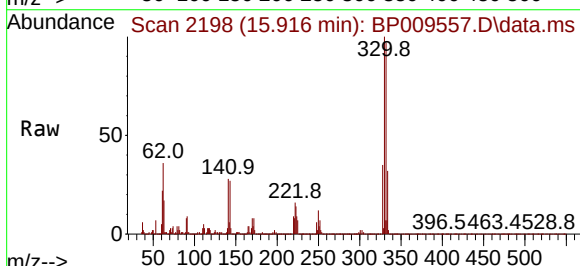
Tgt Ion:330 Resp: 1007490

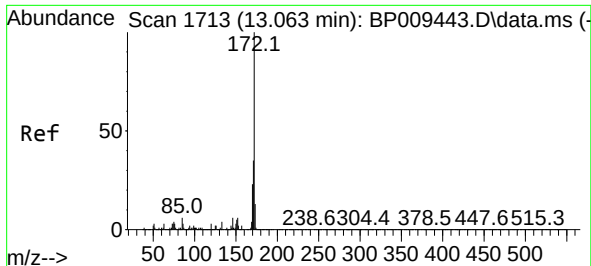
Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 29.9 27.6 41.4

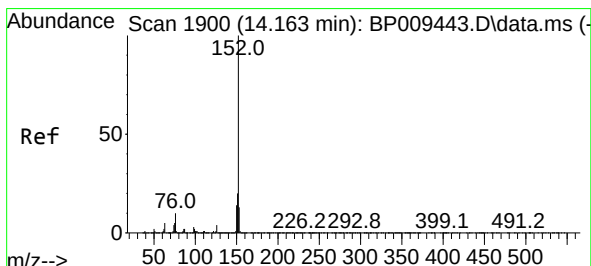
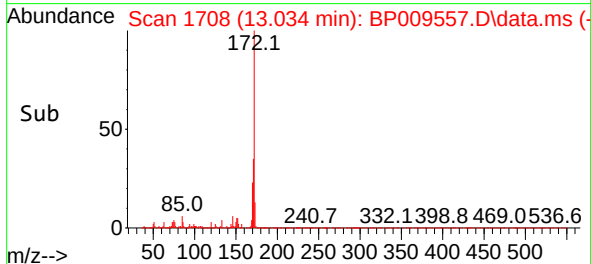
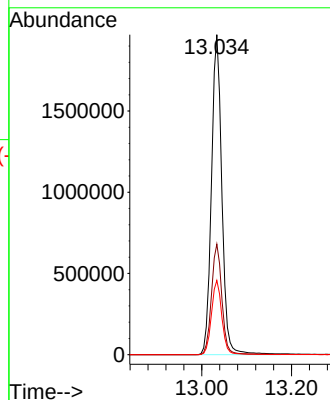
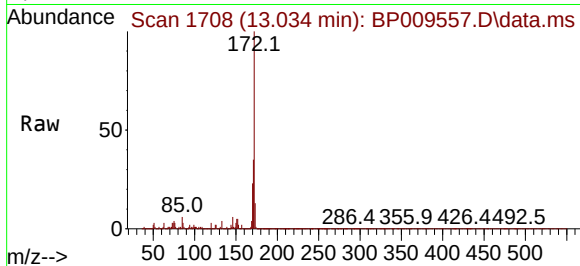




#45
2-Fluorobiphenyl
Concen: 68.759 ng
RT: 13.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

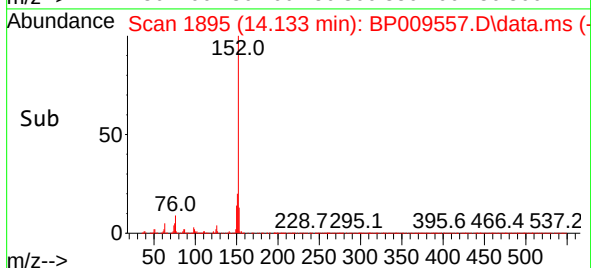
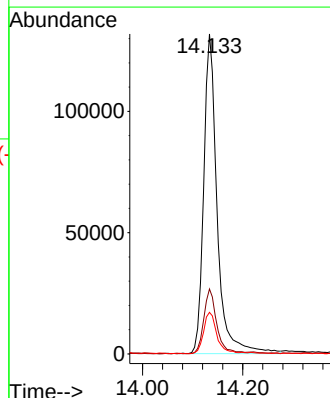
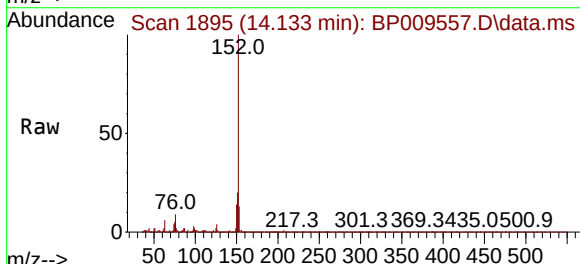
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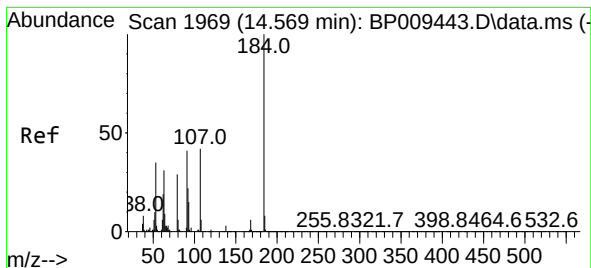
Tgt Ion:172 Resp: 3168676
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.2 18.6 27.8



#49
Acenaphthylene
Concen: 4.231 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Tgt Ion:152 Resp: 245087
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.0 10.7 16.1

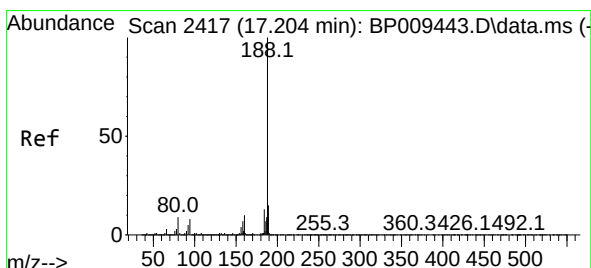
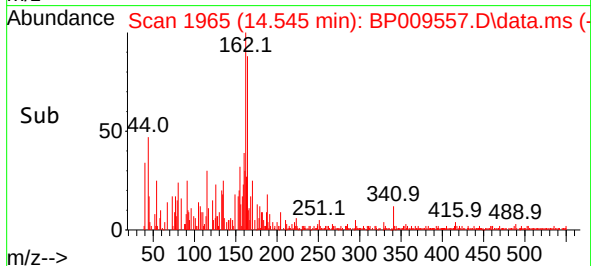
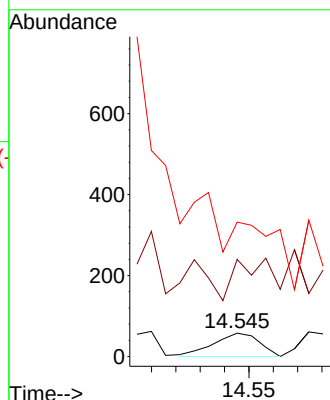
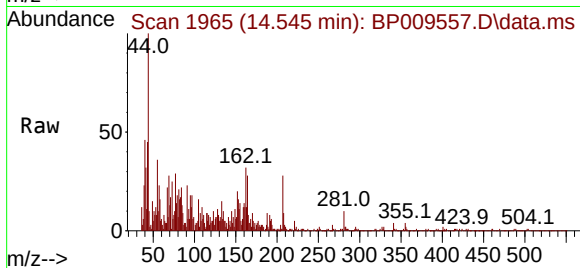




#54
2,4-Dinitrophenol
Concen: 4.544 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

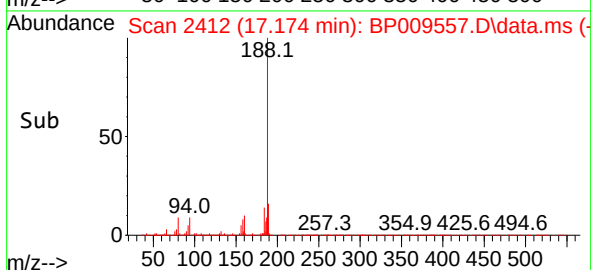
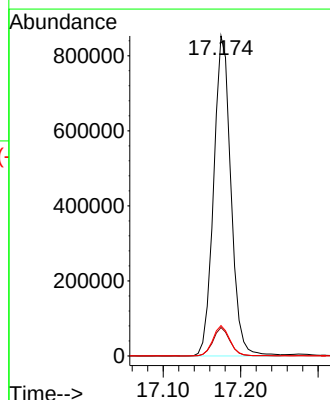
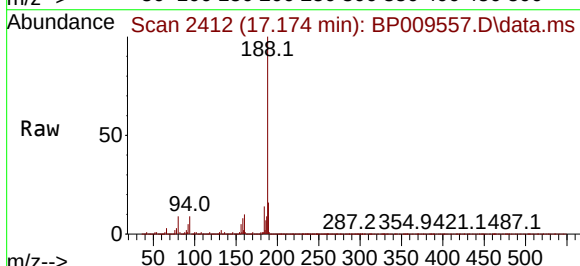
Instrument :
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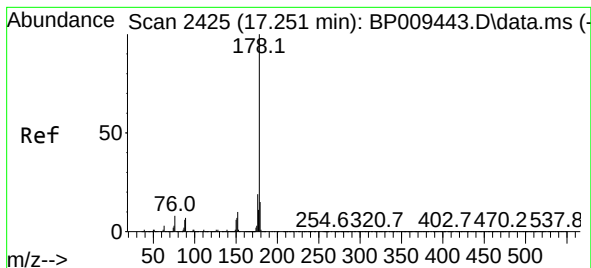
Tgt Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 413.8 46.3 69.5#
154 572.4 45.8 68.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Tgt Ion:188 Resp: 1324170
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.5 8.8 13.2





#71

Phenanthrene

Concen: 4.424 ng

RT: 17.222 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

Instrument :

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ClientSampleId :

TP-1

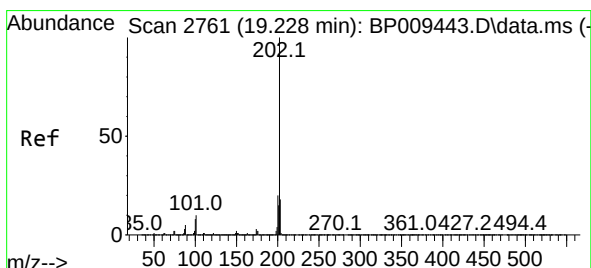
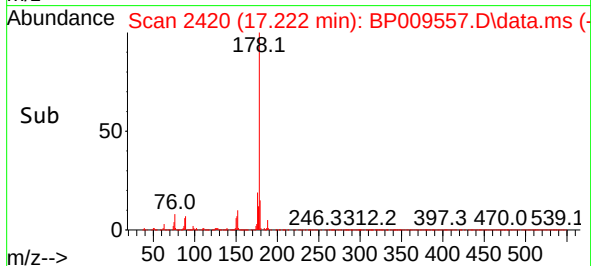
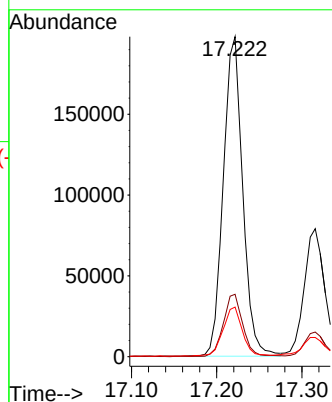
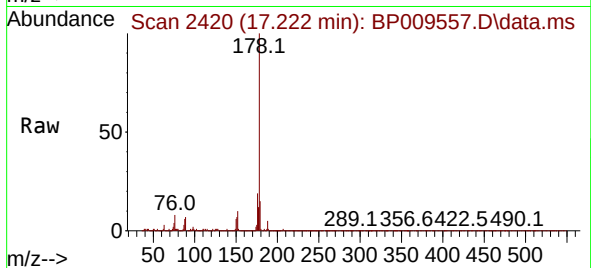
Tgt Ion:178 Resp: 313575

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.5 12.3 18.5



#75

Fluoranthene

Concen: 15.116 ng

RT: 19.204 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

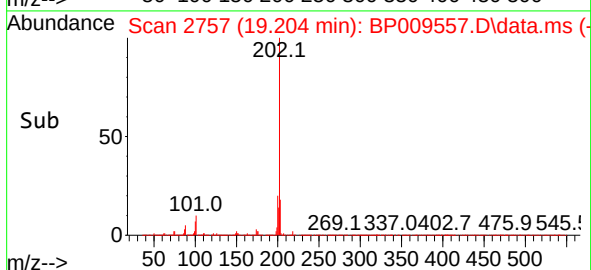
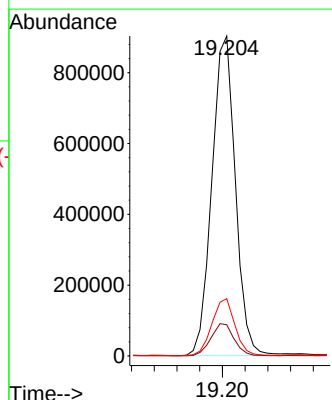
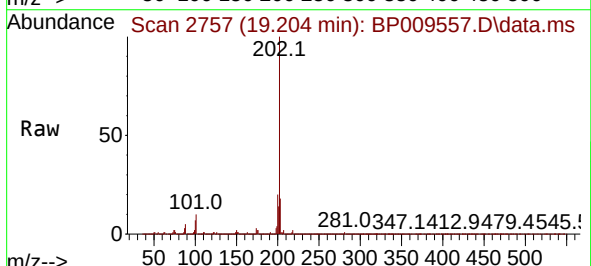
Tgt Ion:202 Resp: 1297206

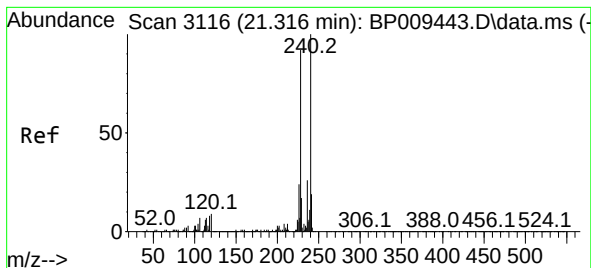
Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.5

203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.292 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

Instrument :

BNA_P

ClientSampleId :

TP-1

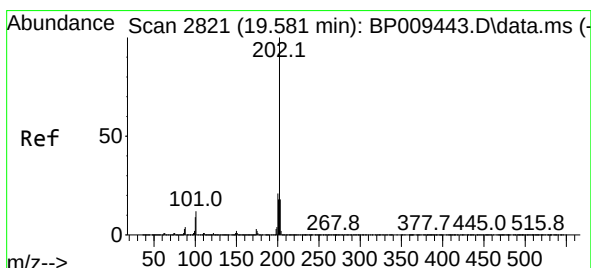
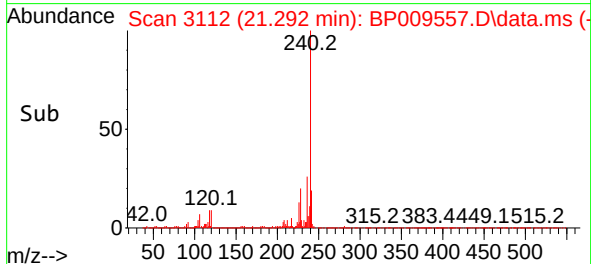
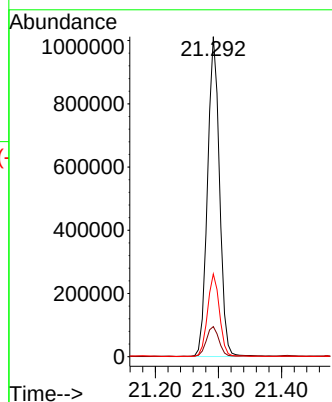
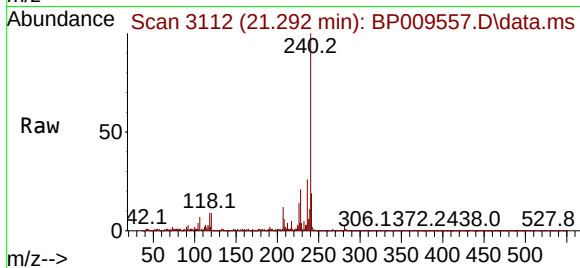
Tgt Ion:240 Resp: 1332602

Ion Ratio Lower Upper

240 100

120 9.4 9.0 13.4

236 25.8 20.6 30.8



#78

Pyrene

Concen: 14.026 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

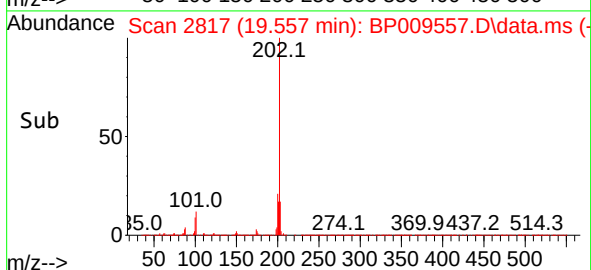
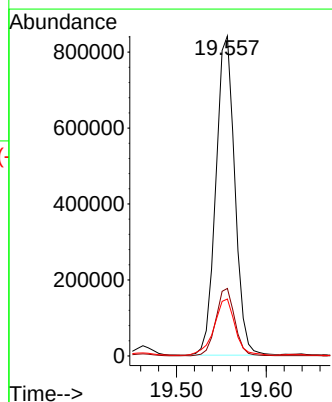
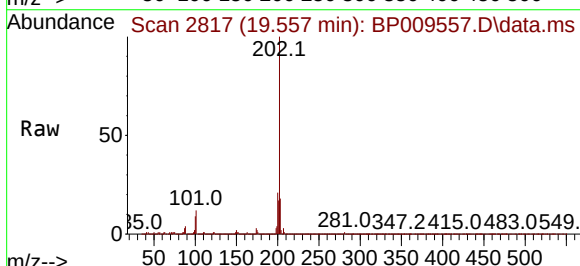
Tgt Ion:202 Resp: 1231695

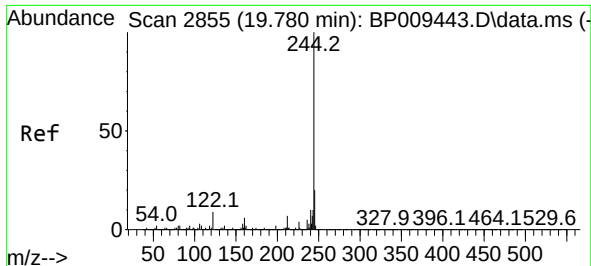
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.8 14.2 21.4

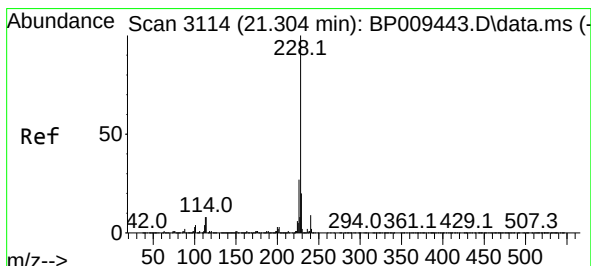
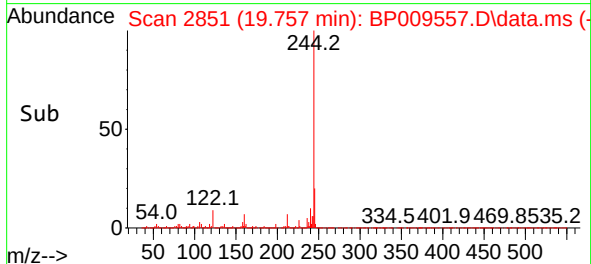
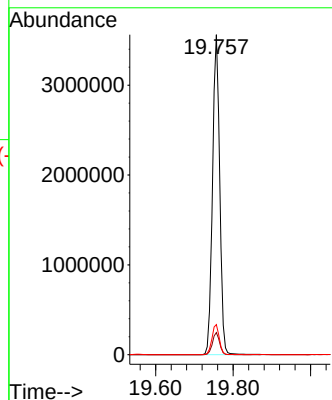
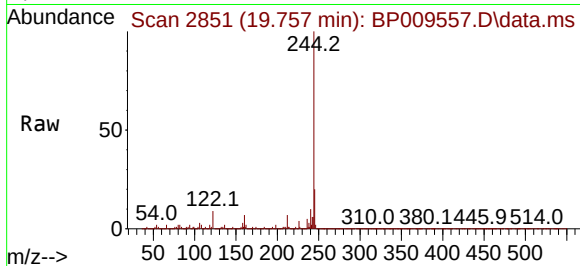




#79
 Terphenyl-d14
 Concen: 61.709 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

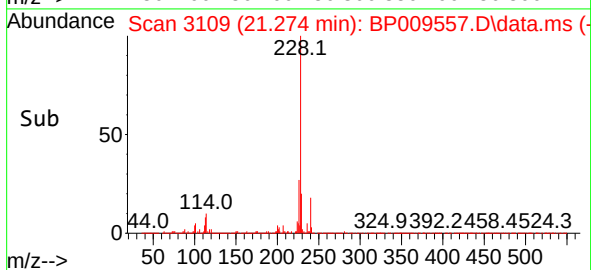
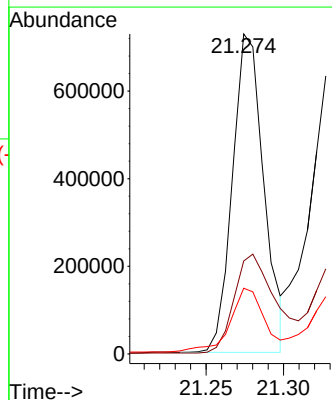
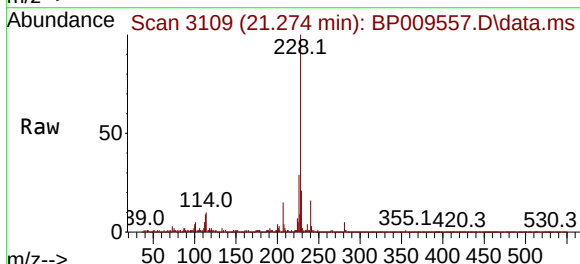
Instrument :
 BNA_P
 ClientSampleId :
 TP-1

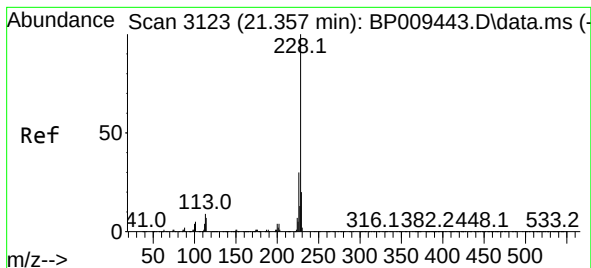
Tgt Ion:244 Resp: 4581556
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 11.684 ng
 RT: 21.274 min Scan# 3109
 Delta R.T. -0.012 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

Tgt Ion:228 Resp: 1022906
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.0 33.0
 229 20.6 16.1 24.1





#83

Chrysene

Concen: 11.526 ng

RT: 21.327 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

Instrument :

BNA_P

ClientSampleId :

TP-1

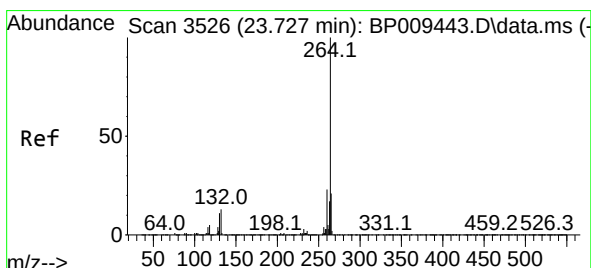
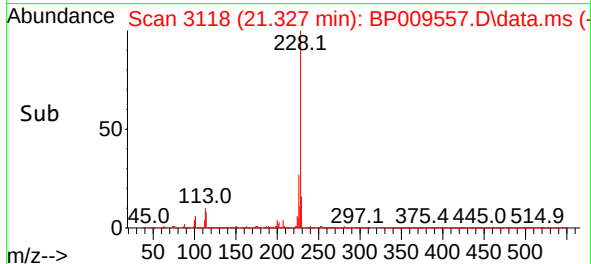
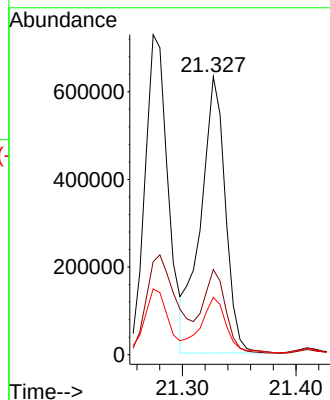
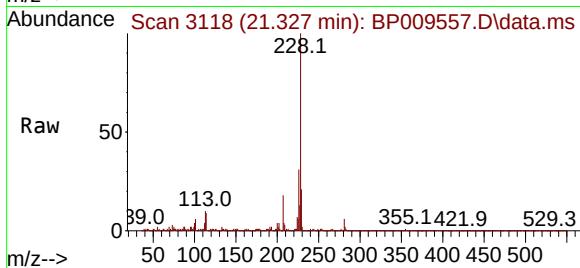
Tgt Ion:228 Resp: 955578

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 20.6 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.680 min Scan# 3518

Delta R.T. -0.012 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

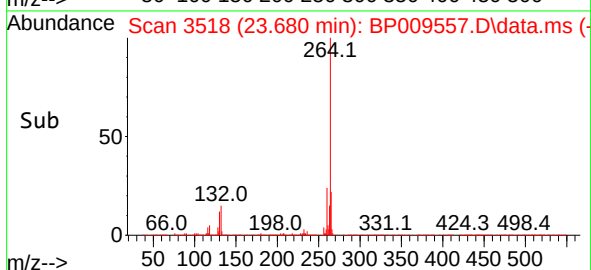
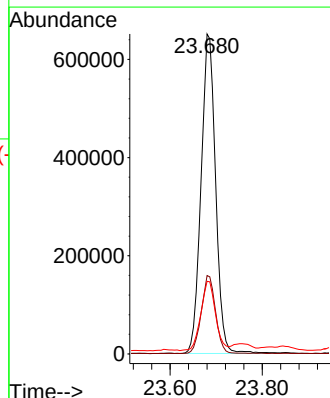
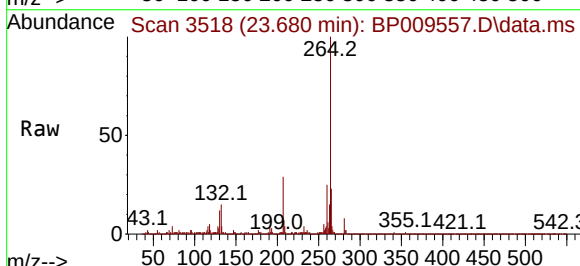
Tgt Ion:264 Resp: 1432859

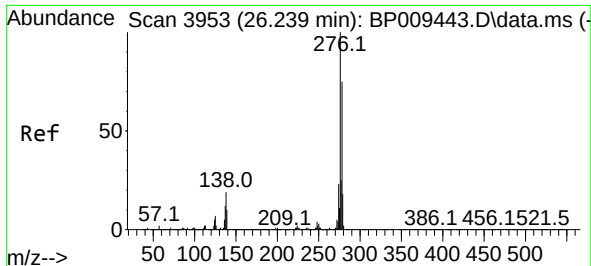
Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 22.7 17.2 25.8

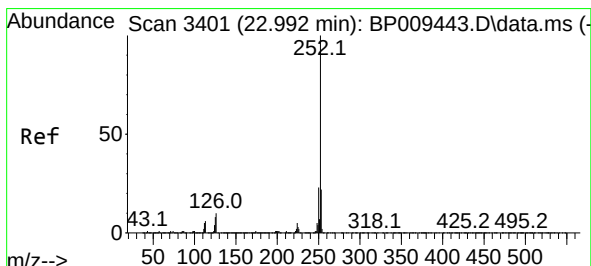
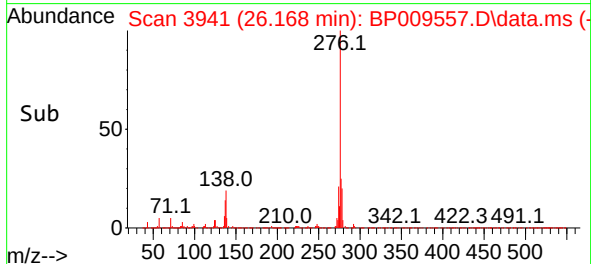
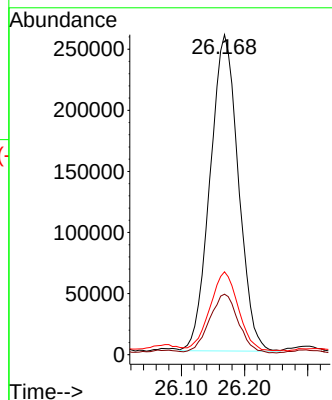
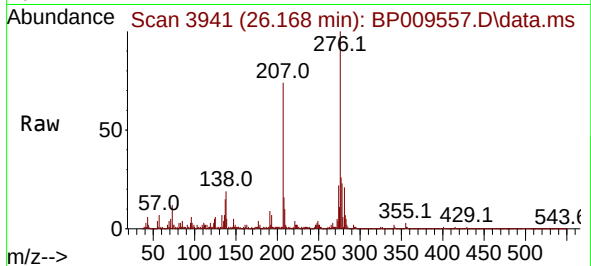




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.404 ng
 RT: 26.168 min Scan# 3941
 Delta R.T. -0.030 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

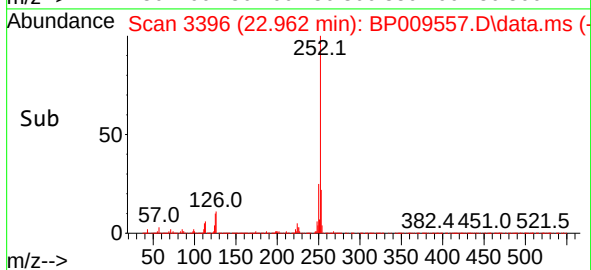
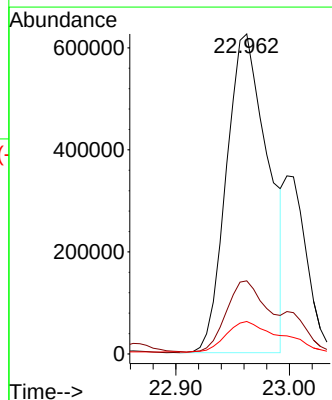
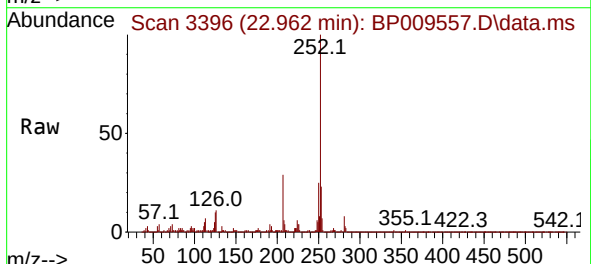
Instrument :
 BNA_P
 ClientSampleId :
 TP-1

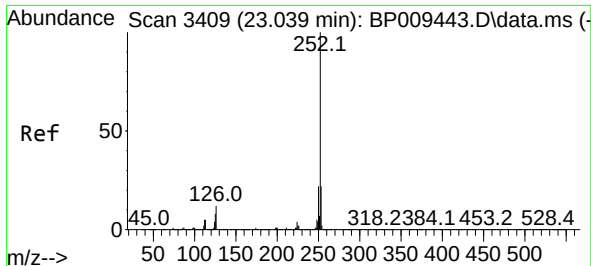
Tgt Ion:276 Resp: 804818
 Ion Ratio Lower Upper
 276 100
 138 19.0 20.5 30.7#
 277 24.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 18.633 ng
 RT: 22.962 min Scan# 3396
 Delta R.T. -0.000 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

Tgt Ion:252 Resp: 1593817
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.8
 125 10.2 8.1 12.1

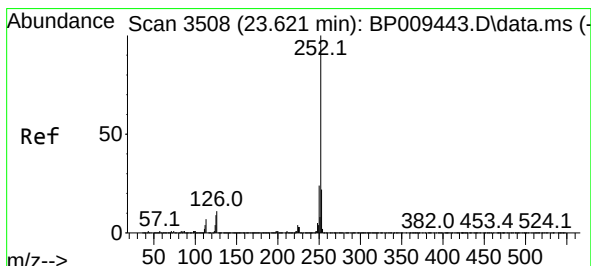
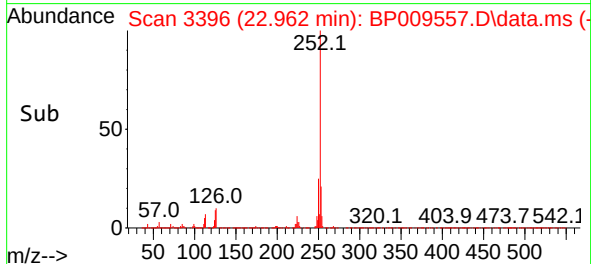
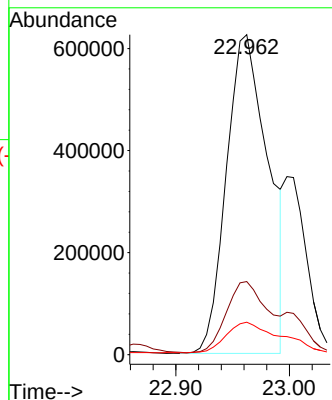
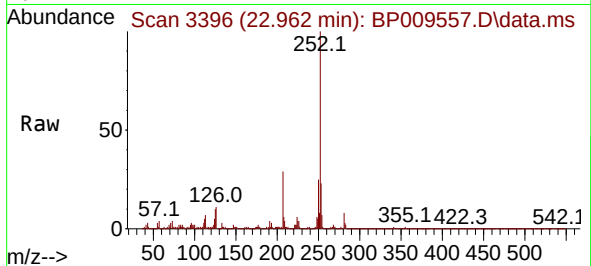




#89
Benzo(k)fluoranthene
Concen: 19.031 ng
RT: 22.962 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

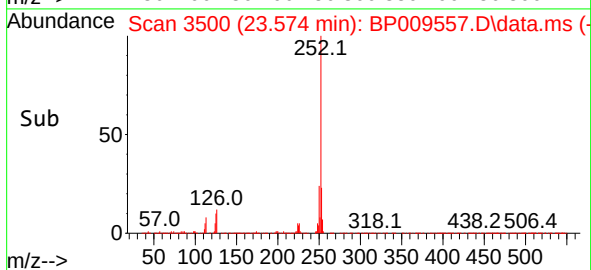
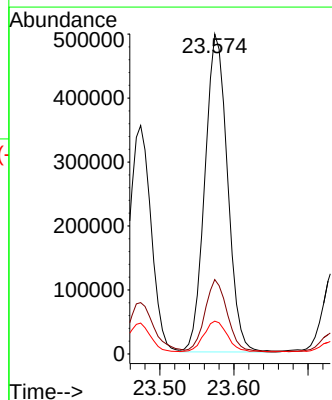
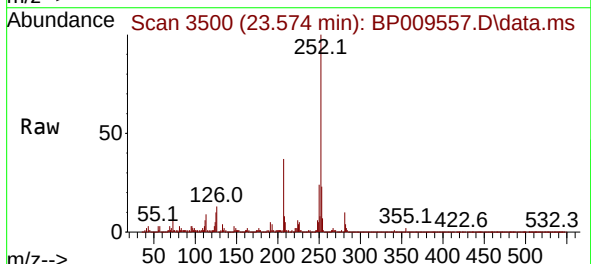
Instrument :
BNA_P
ClientSampleId :
TP-1

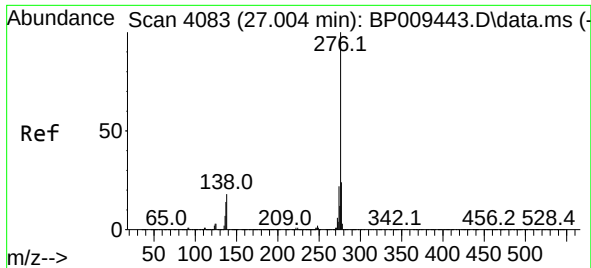
Tgt Ion:252 Resp: 1593817
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 14.390 ng
RT: 23.574 min Scan# 3500
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

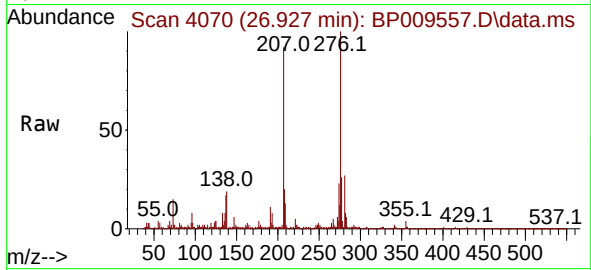
Tgt Ion:252 Resp: 1053088
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.3 9.3 13.9





#92
Benzo(g,h,i)perylene
Concen: 8.679 ng
RT: 26.927 min Scan# 40
Delta R.T. -0.024 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:276 Resp: 773501
Ion Ratio Lower Upper
276 100
277 25.5 19.2 28.8
138 18.9 18.0 27.0

