

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020122\
 Data File : BP008998.D
 Acq On : 01 Feb 2022 21:30
 Operator : CG/JU
 Sample : N1313-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

Quant Time: Feb 02 04:07:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 01 04:16:03 2022
 Response via : Initial Calibration

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

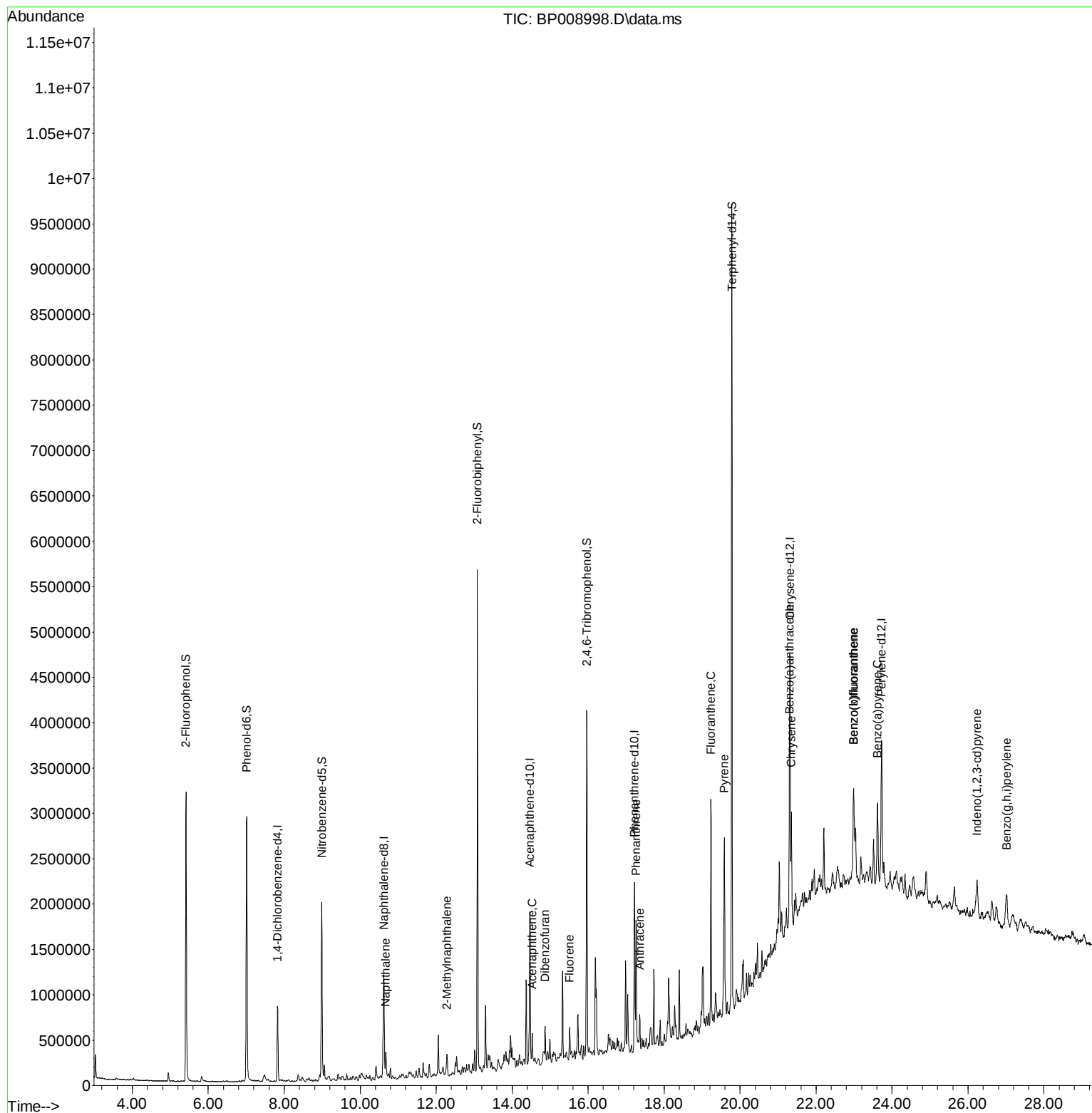
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	250117	20.000	ng	-0.01
21) Naphthalene-d8	10.622	136	974961	20.000	ng	-0.01
39) Acenaphthene-d10	14.463	164	622929	20.000	ng	-0.01
64) Phenanthrene-d10	17.222	188	1217116	20.000	ng	-0.01
76) Chrysene-d12	21.316	240	1215208	20.000	ng	-0.01
86) Perylene-d12	23.727	264	1307152	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1590610	98.344	ng	0.00
7) Phenol-d6	7.010	99	1983719	101.284	ng	0.00
23) Nitrobenzene-d5	8.987	82	1245957	72.554	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	890610	98.221	ng	-0.01
45) 2-Fluorobiphenyl	13.087	172	3227544	68.327	ng	-0.01
79) Terphenyl-d14	19.786	244	4481763	62.252	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.675	128	226679	4.281	ng	98
37) 2-Methylnaphthalene	12.287	142	117050	3.024	ng	97
52) Acenaphthene	14.528	154	117070	3.343	ng	98
55) Dibenzofuran	14.869	168	156820	2.748	ng	# 93
58) Fluorene	15.516	166	151088	3.352	ng	99
71) Phenanthrene	17.263	178	952858	13.905	ng	99
72) Anthracene	17.357	178	254037	3.695	ng	99
75) Fluoranthene	19.233	202	1366446	17.931	ng	97
78) Pyrene	19.586	202	1276200	15.051	ng	98
81) Benzo(a)anthracene	21.298	228	723376	8.848	ng	100
83) Chrysene	21.351	228	652660	8.235	ng	98
87) Indeno(1,2,3-cd)pyrene	26.239	276	444482	4.127	ng	95
88) Benzo(b)fluoranthene	22.992	252	868972	9.954	ng	# 91
89) Benzo(k)fluoranthene	22.992	252	868972	10.284	ng	# 91
90) Benzo(a)pyrene	23.621	252	645036	7.655	ng	# 96
92) Benzo(g,h,i)perylene	27.015	276	448739	5.018	ng	98

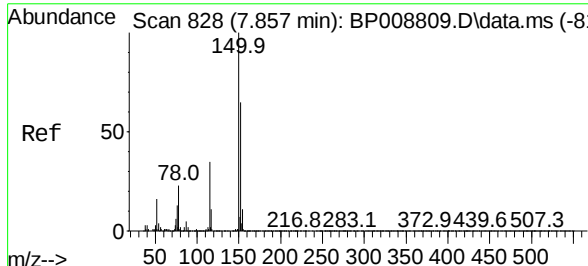
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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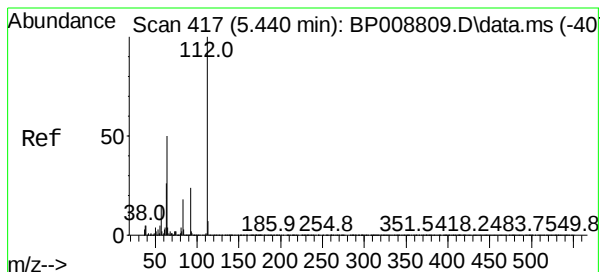
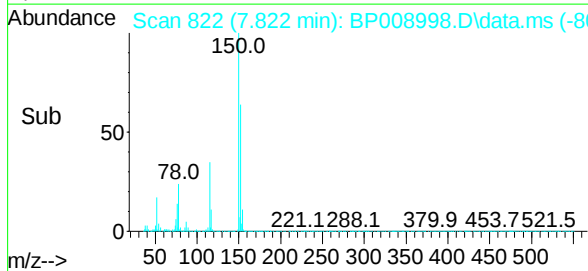
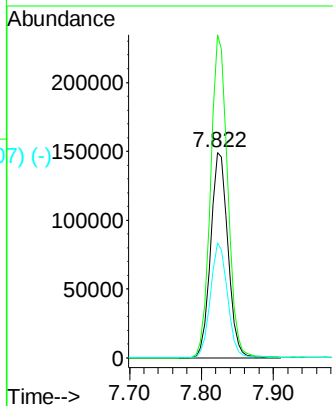
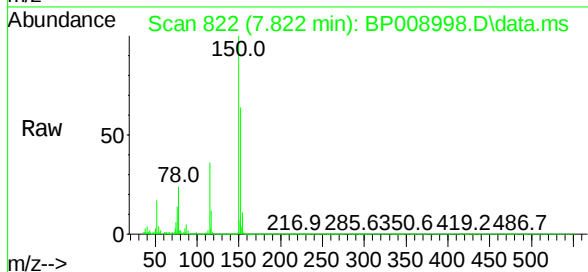




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.822 min Scan# 819
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

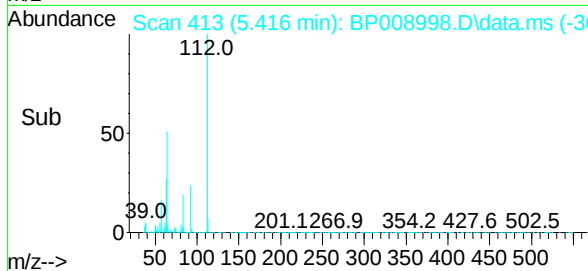
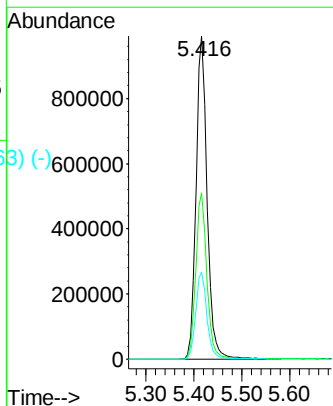
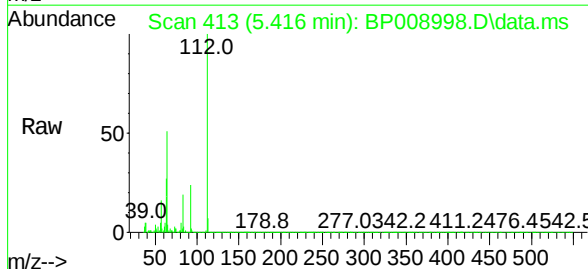
Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

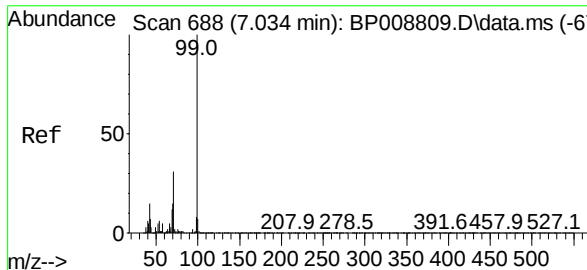
Tgt Ion:	152	Resp:	250117
Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.0	190.6
115	55.9	43.7	65.5



2-Fluorophenol
 Concen: 98.344 ng
 RT: 5.416 min Scan# 413
 Delta R.T. -0.006 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	112	Resp:	1590610
Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.7	59.5
63	26.8	20.0	30.0

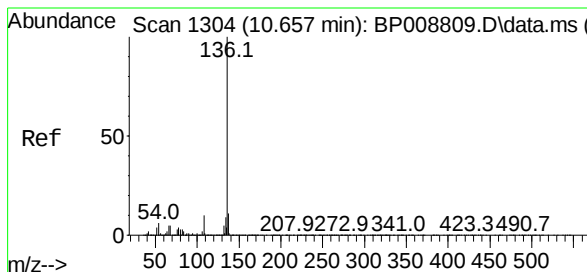
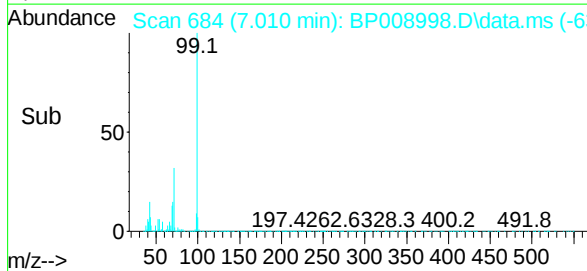
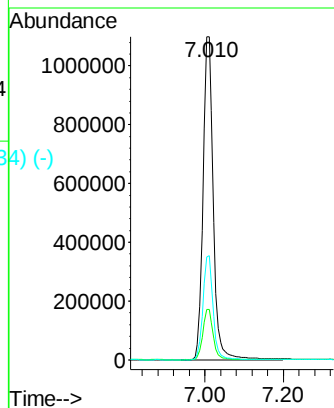
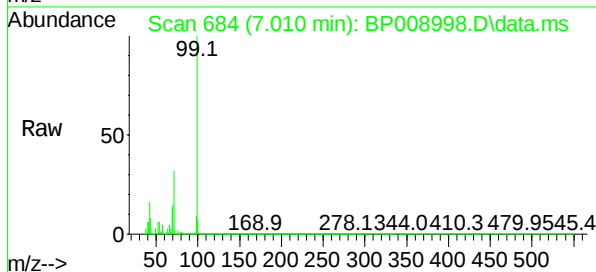




Phenol-d6
 Concen: 101.284 ng
 RT: 7.010 min Scan# 1298
 Delta R.T. -0.006 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

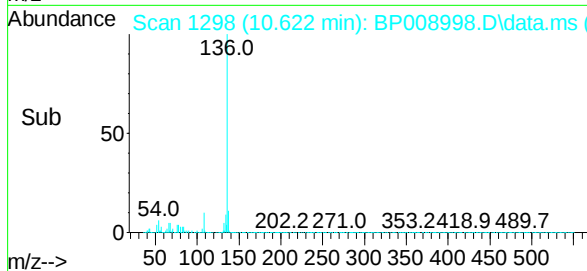
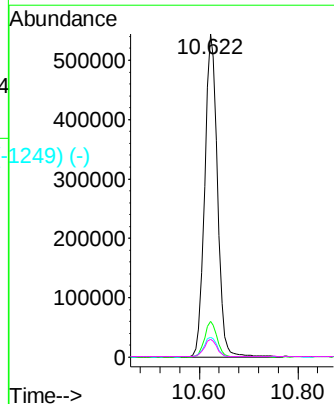
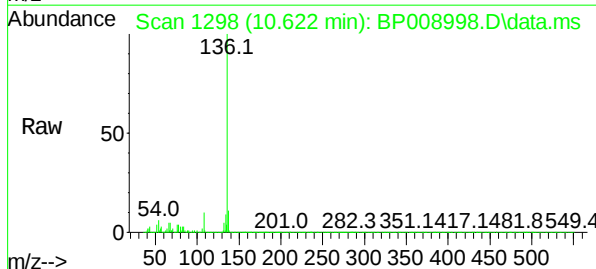
Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

Tgt Ion: 99 Resp: 1983719
 Ion Ratio Lower Upper
 99 100
 42 15.5 10.8 16.2
 71 32.2 23.8 35.6

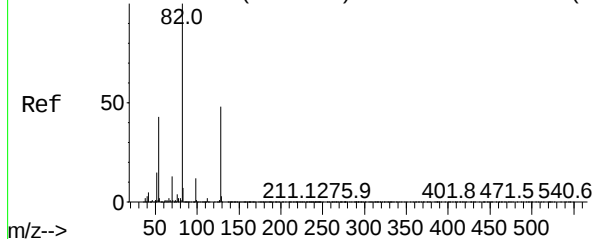


Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.622 min Scan# 1298
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion: 136 Resp: 974961
 Ion Ratio Lower Upper
 136 100
 137 11.0 9.0 13.4
 54 6.2 4.9 7.3
 68 5.5 4.3 6.5



Abundance Scan 1025 (9.016 min): BP008809.D\data.ms (-1023)



Nitrobenzene-d5

Concen: 72.554 ng

RT: 8.987 min Scan#

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

Instrument :

BNA_P

ClientSampleId :

17B-MISC-A

Tgt Ion: 82 Resp: 1245957

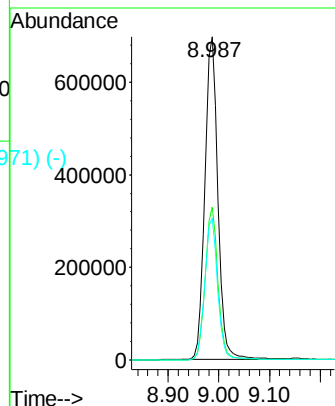
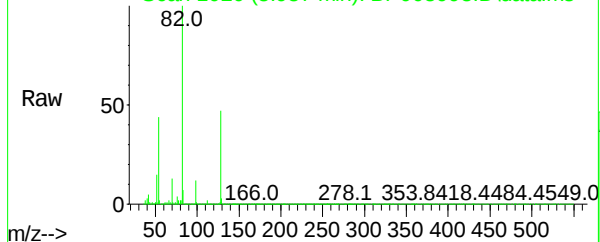
Ion Ratio Lower Upper

82 100

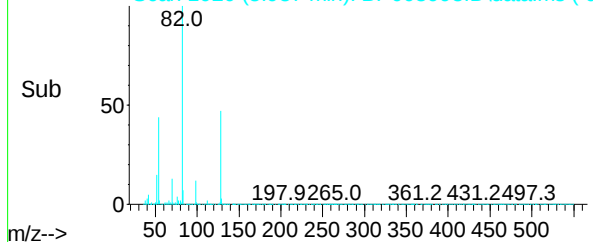
128 47.3 39.4 59.2

54 43.9 32.6 48.8

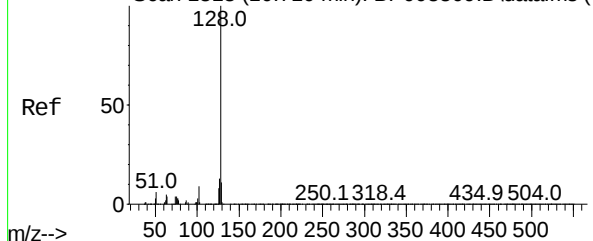
Abundance Scan 1020 (8.987 min): BP008998.D\data.ms



Abundance Scan 1020 (8.987 min): BP008998.D\data.ms (-971) (-)



Abundance Scan 1313 (10.710 min): BP008809.D\data.ms (-1301)



Naphthalene

Concen: 4.281 ng

RT: 10.675 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

Tgt Ion: 128 Resp: 226679

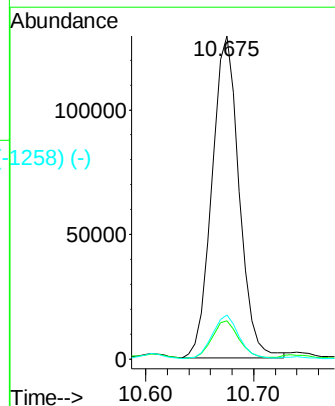
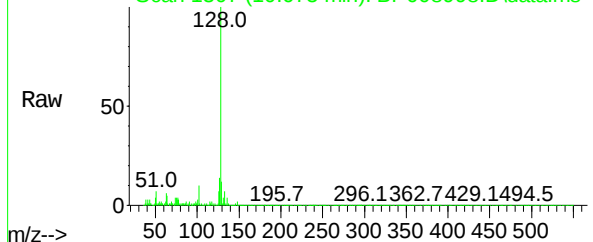
Ion Ratio Lower Upper

128 100

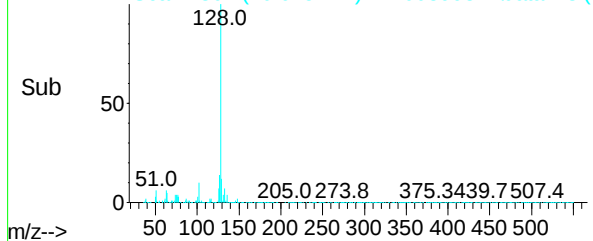
129 11.9 8.8 13.2

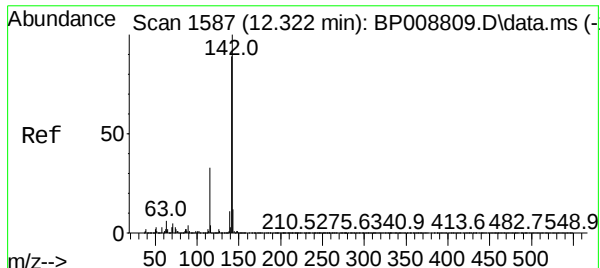
127 13.7 10.4 15.6

Abundance Scan 1307 (10.675 min): BP008998.D\data.ms



Abundance Scan 1307 (10.675 min): BP008998.D\data.ms (-1258) (-)

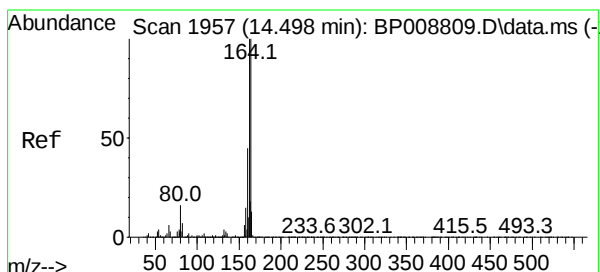
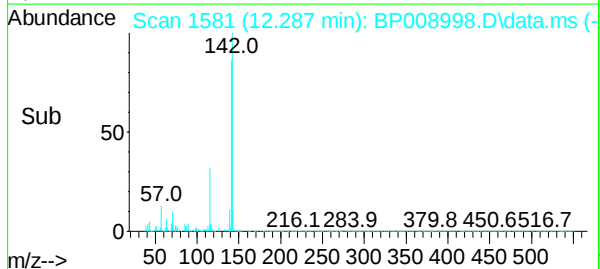
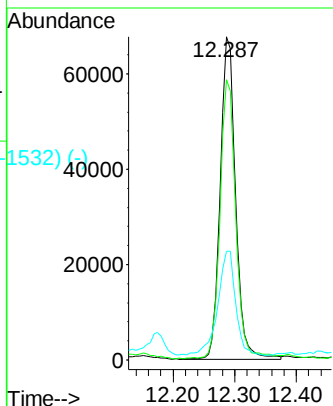
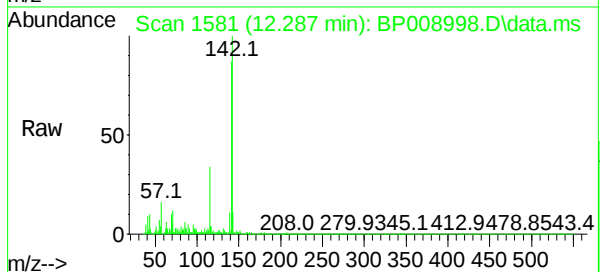




2-Methylnaphthalene
 Concen: 3.024 ng
 RT: 12.287 min Scan# 1587
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

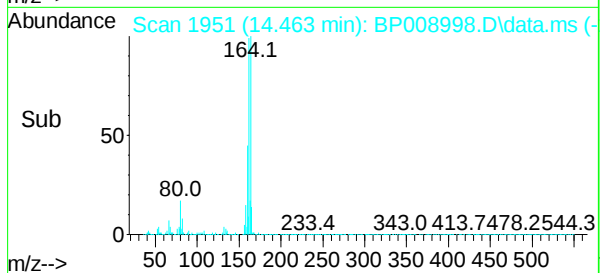
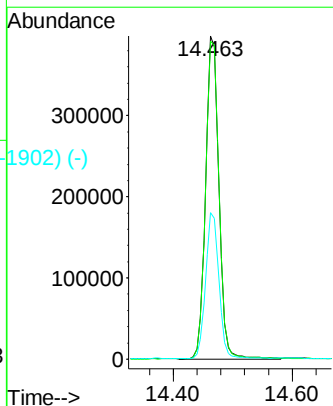
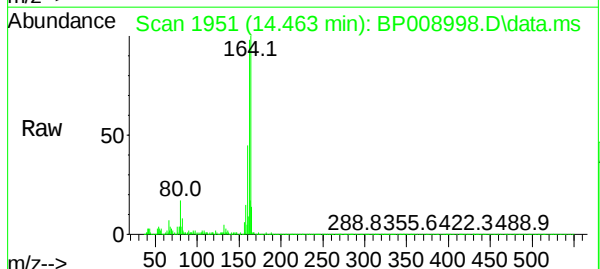
Instrument :
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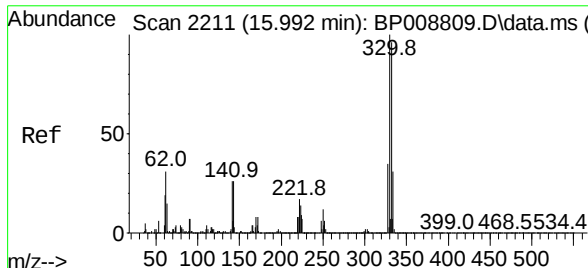
Tgt Ion:	142	Resp:	117050
Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.5	105.7
115	33.6	24.6	36.8



Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.463 min Scan# 1951
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	164	Resp:	622929
Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.9	119.9
160	45.4	35.5	53.3

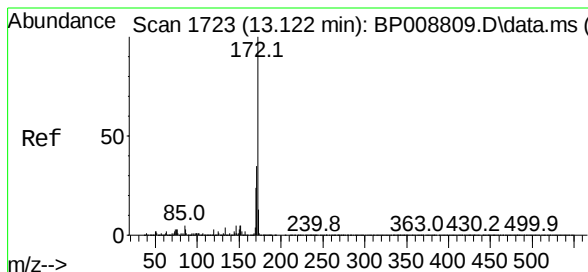
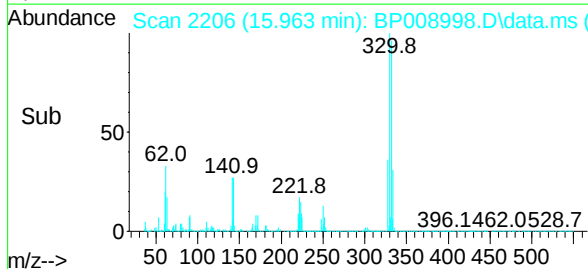
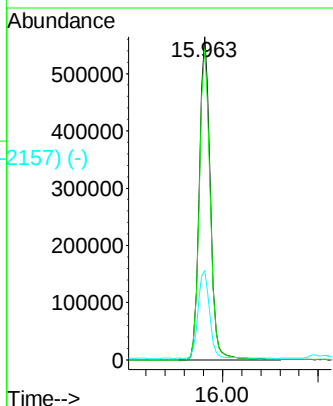
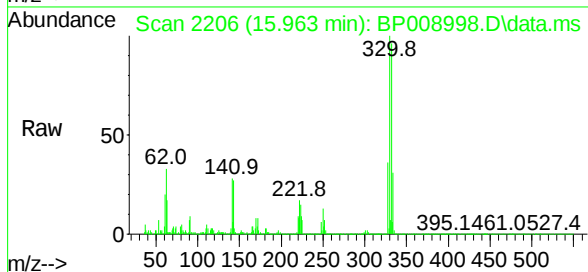




Scan 2211 (15.992 min): BP008809.D\data.ms (-2190) (-)
 2,4,6-Tribromophenol
 Concen: 98.221 ng
 RT: 15.963 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

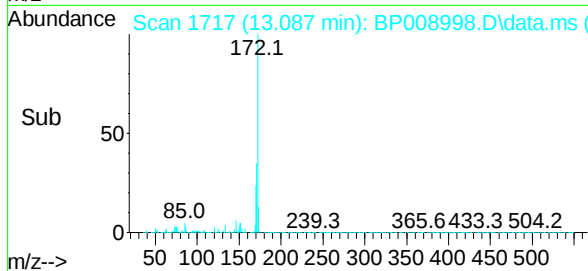
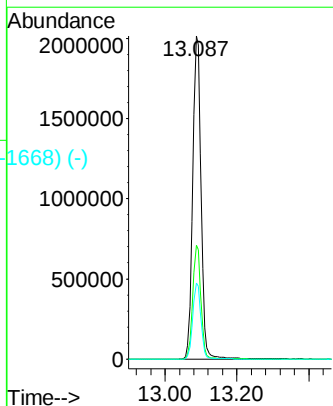
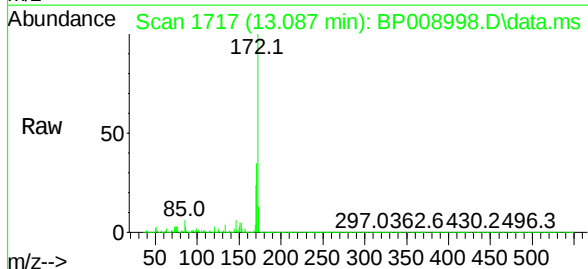
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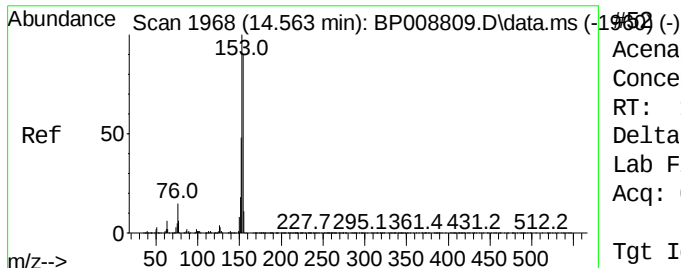
Tgt Ion:	330	Resp:	890610
Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.4
141	28.4	21.3	31.9



Scan 1723 (13.122 min): BP008809.D\data.ms (-1745) (-)
 2-Fluorobiphenyl
 Concen: 68.327 ng
 RT: 13.087 min Scan# 1717
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	172	Resp:	3227544
Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.6	19.5	29.3





Acenaphthene

Concen: 3.343 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

Instrument :

BNP_P

ClientSampleId :

17B-MISC-A

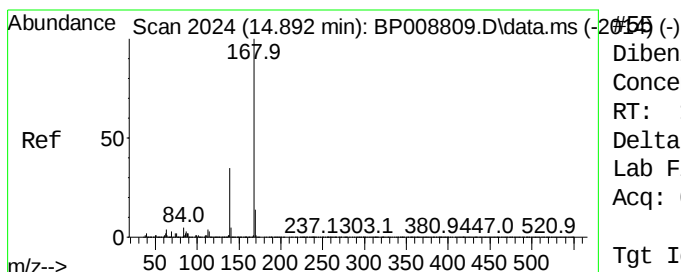
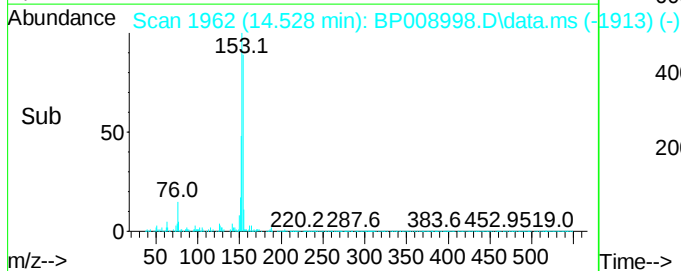
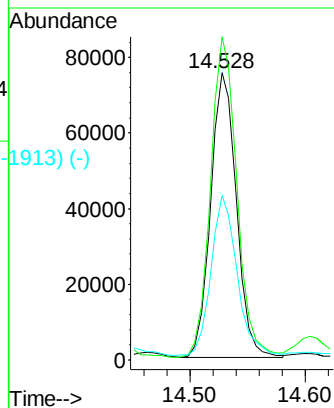
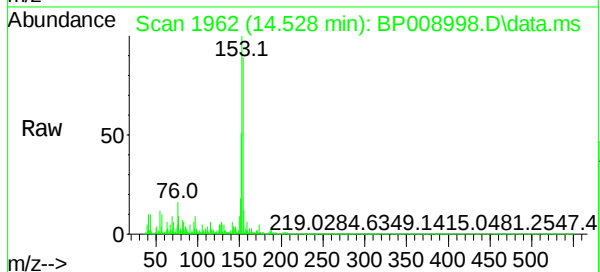
Tgt Ion:154 Resp: 117070

Ion Ratio Lower Upper

154 100

153 112.6 89.4 134.2

152 57.2 42.6 63.8



Dibenzofuran

Concen: 2.748 ng

RT: 14.869 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BP008998.D

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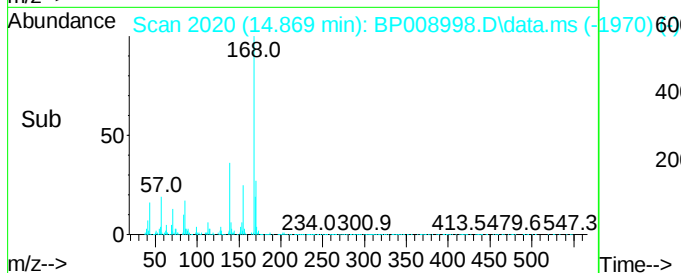
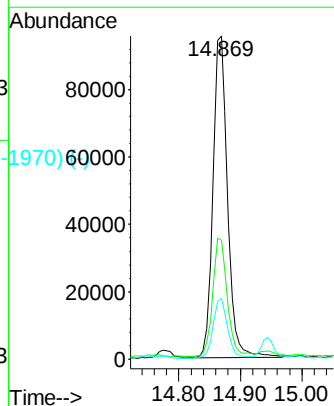
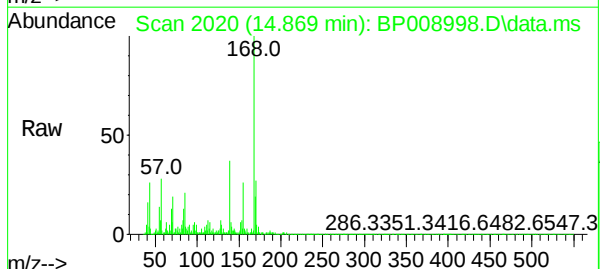
Tgt Ion:168 Resp: 156820

Ion Ratio Lower Upper

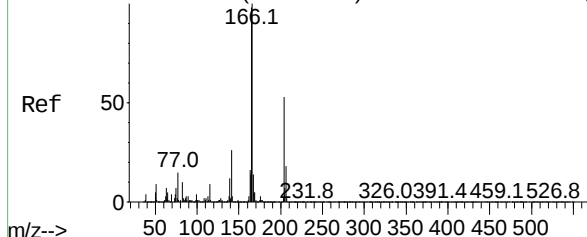
168 100

139 36.9 27.4 41.0

169 18.9 10.9 16.3#



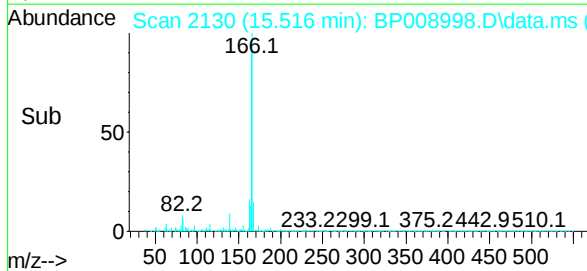
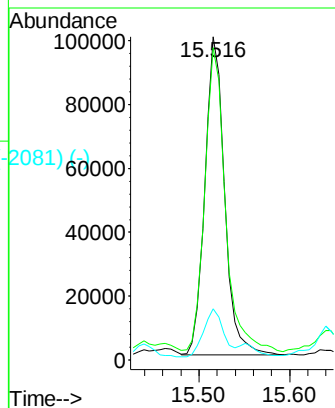
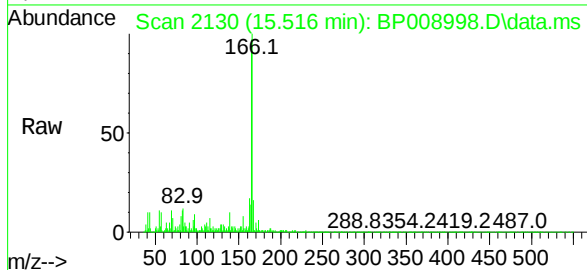
Abundance Scan 2135 (15.545 min): BP008809.D\data.ms (-2158) (-)



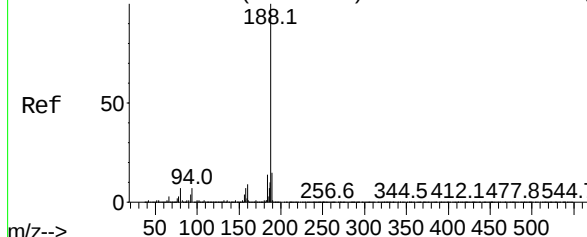
Fluorene
Concen: 3.352 ng
RT: 15.516 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP008998.D
Acq: 01 Feb 2022 21:30

Instrument :
BNA_P
ClientSampleId :
17B-MISC-A

Tgt Ion:	166	Resp:	151088
Ion Ratio	Lower	Upper	
166	100		
165	96.7	77.2	115.8
167	15.9	11.2	16.8

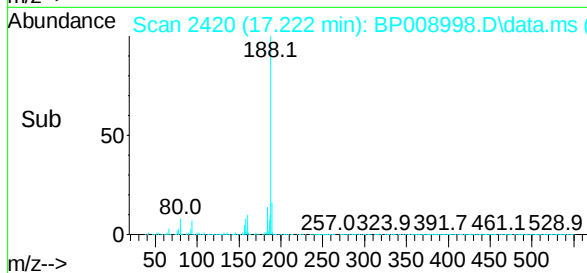
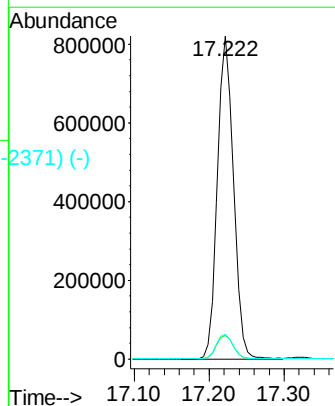
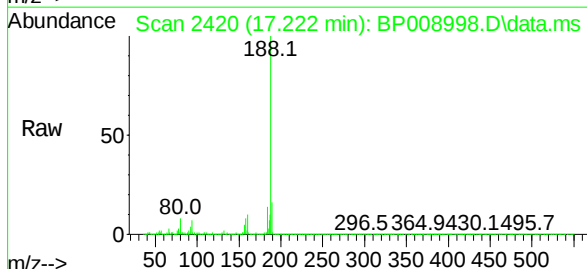


Abundance Scan 2425 (17.251 min): BP008809.D\data.ms (-2404) (-)

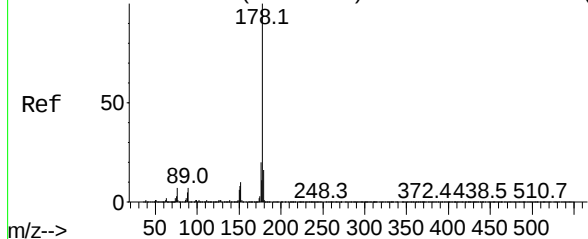


Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP008998.D
Acq: 01 Feb 2022 21:30

Tgt Ion:	188	Resp:	1217116
Ion Ratio	Lower	Upper	
188	100		
94	7.3	6.8	10.2
80	7.8	7.2	10.8



Abundance Scan 2432 (17.292 min): BP008809.D\data.ms (-2470) (-)



Phenanthrene

Concen: 13.905 ng

RT: 17.263 min Scan# 2432

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

Instrument :

BNA_P

ClientSampleId :

17B-MISC-A

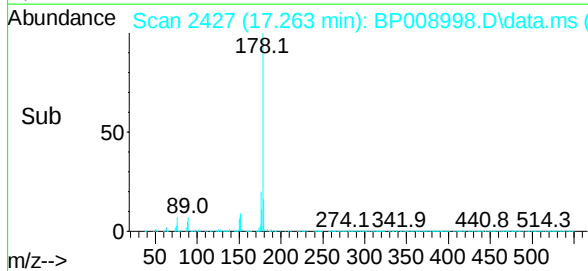
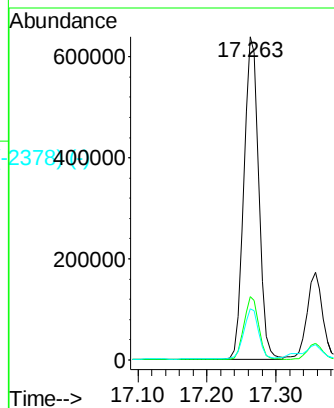
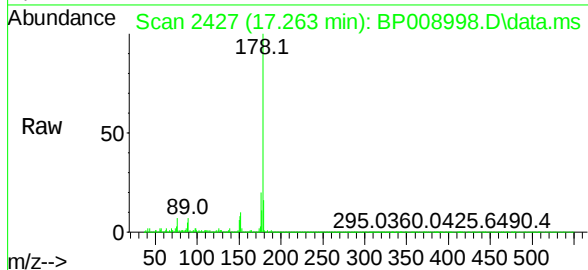
Tgt Ion:178 Resp: 952858

Ion Ratio Lower Upper

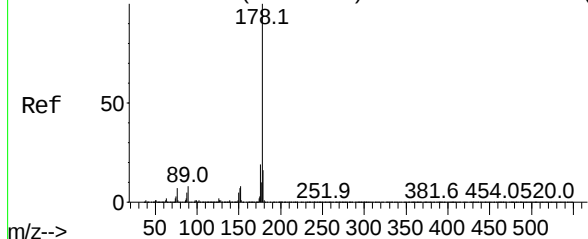
178 100

176 19.6 16.0 24.0

179 15.8 13.0 19.4



Abundance Scan 2448 (17.386 min): BP008809.D\data.ms (-2470) (-)



Anthracene

Concen: 3.695 ng

RT: 17.357 min Scan# 2443

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

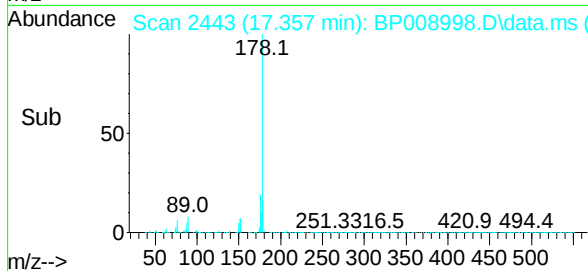
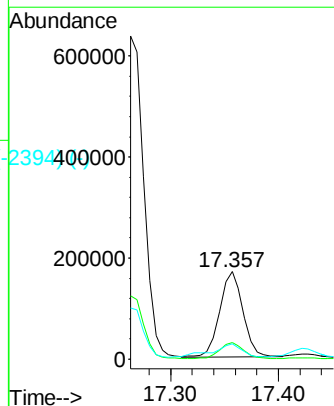
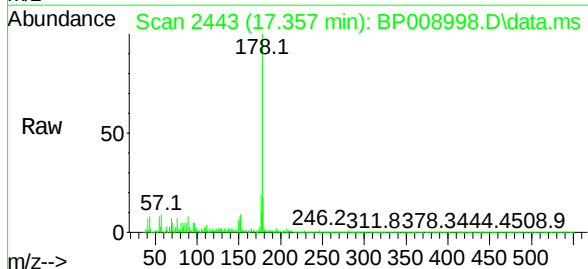
Tgt Ion:178 Resp: 254037

Ion Ratio Lower Upper

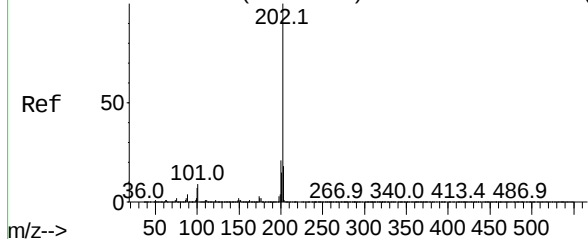
178 100

176 19.0 15.1 22.7

179 17.3 12.8 19.2



Abundance Scan 2767 (19.263 min): BP008809.D\data.ms (-2767) (-)



Fluoranthene

Concen: 17.931 ng

RT: 19.233 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

Instrument :

BNA_P

ClientSampleId :

17B-MISC-A

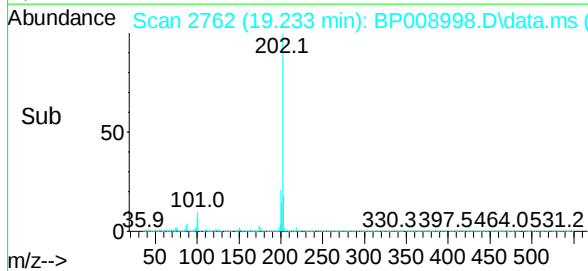
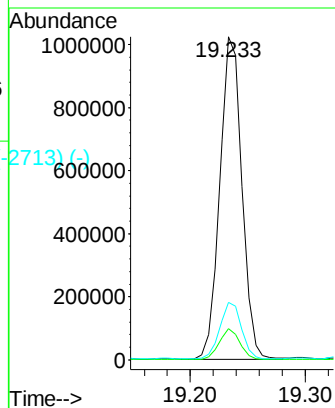
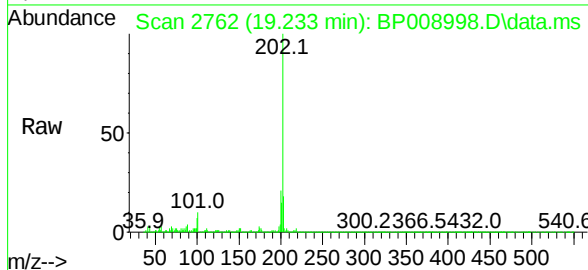
Tgt Ion:202 Resp: 1366446

Ion Ratio Lower Upper

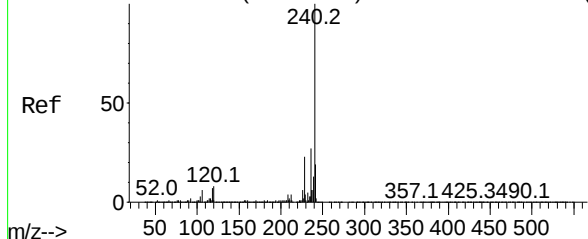
202 100

101 9.6 0.0 30.7

203 17.8 0.0 38.9



Abundance Scan 3121 (21.345 min): BP008809.D\data.ms (-3121) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 21.316 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

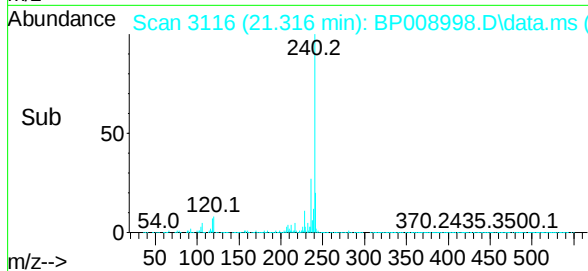
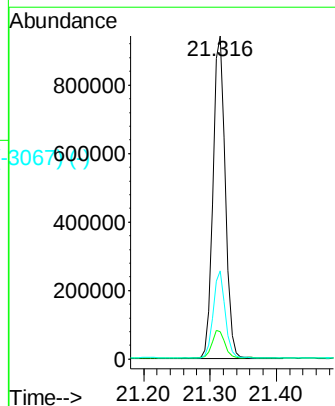
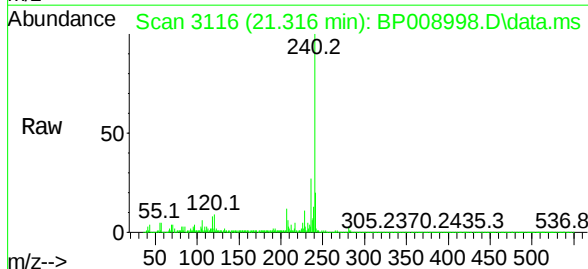
Tgt Ion:240 Resp: 1215208

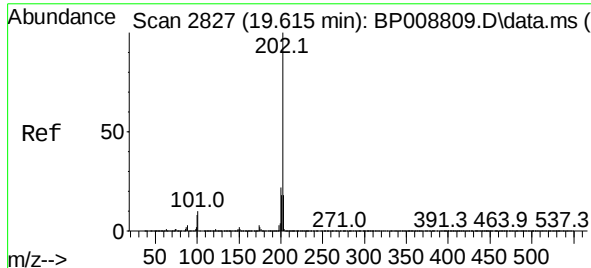
Ion Ratio Lower Upper

240 100

120 8.5 7.7 11.5

236 27.2 21.2 31.8





Pyrene

Concen: 15.051 ng

RT: 19.586 min Scan# 2822

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

Instrument :

BNA_P

ClientSampleId :

17B-MISC-A

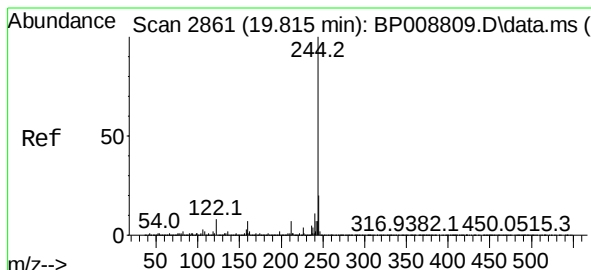
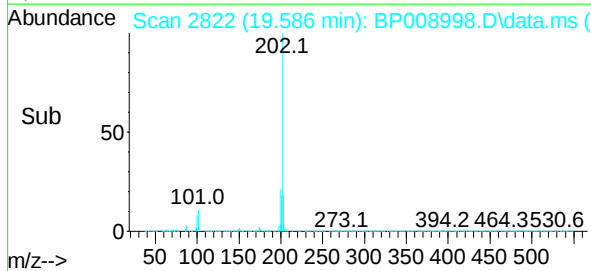
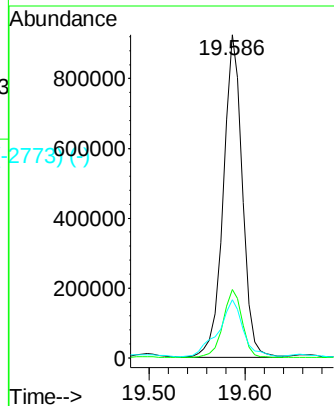
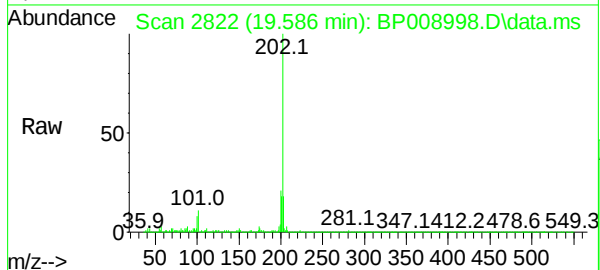
Tgt Ion:202 Resp: 1276200

Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

203 18.1 15.0 22.6



Terphenyl-d14

Concen: 62.252 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.012 min

Lab File: BP008998.D

Acq: 01 Feb 2022 21:30

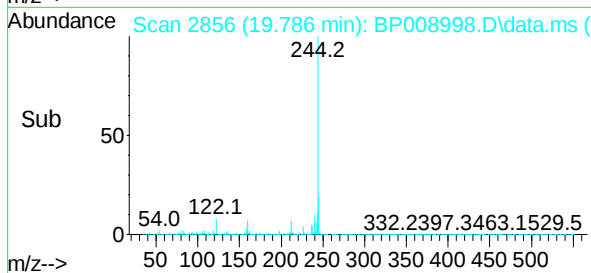
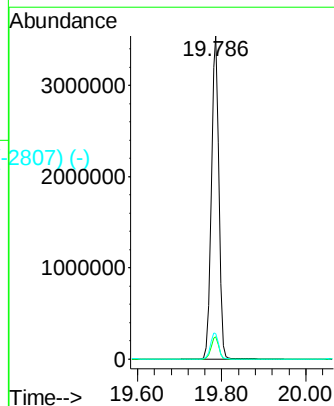
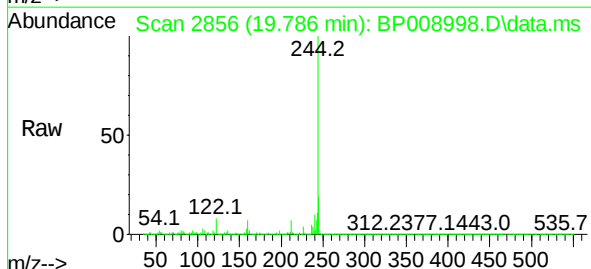
Tgt Ion:244 Resp: 4481763

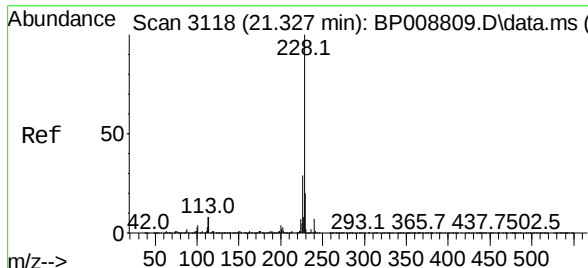
Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 7.9 9.2 13.8#

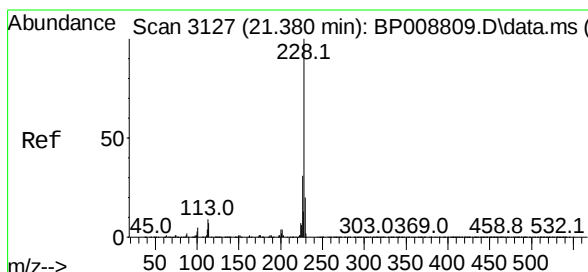
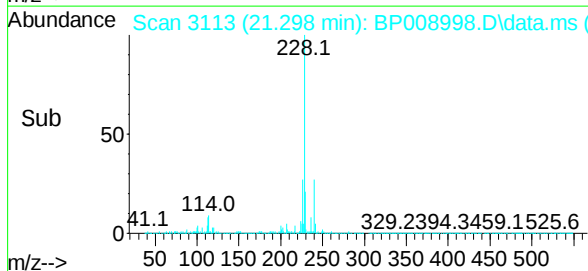
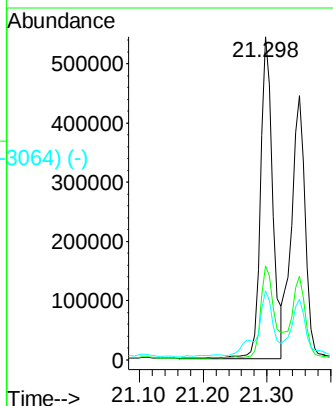
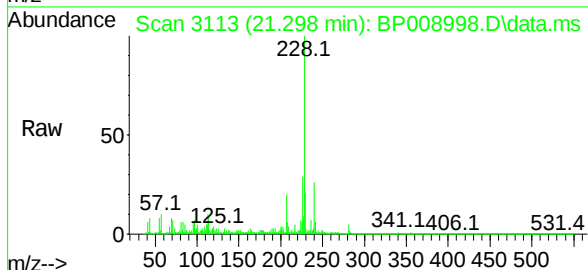




Scan 3118 (21.327 min): BP008809.D\data.ms (-3118) (-)
 Benzo(a)anthracene
 Concen: 8.848 ng
 RT: 21.298 min Scan# 3118
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

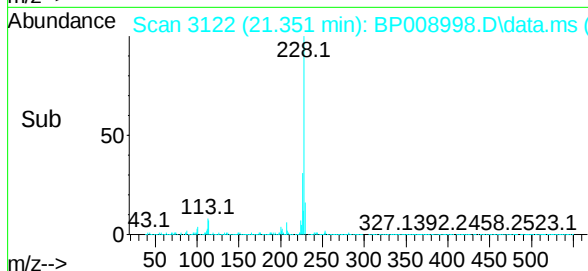
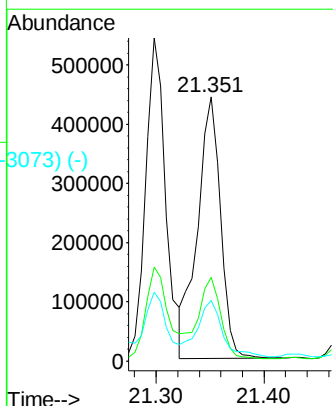
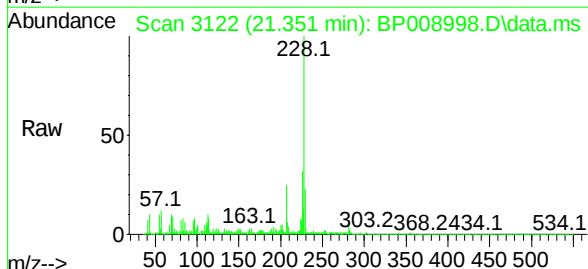
Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

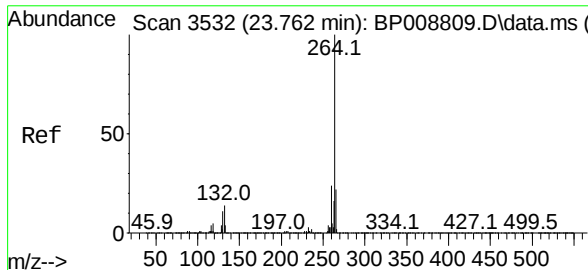
Tgt Ion:	228	Resp:	723376
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	21.3	17.0	25.6



Scan 3127 (21.380 min): BP008809.D\data.ms (-3127) (-)
 Chrysene
 Concen: 8.235 ng
 RT: 21.351 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	228	Resp:	652660
Ion	Ratio	Lower	Upper
228	100		
226	31.8	26.0	39.0
229	23.0	16.9	25.3

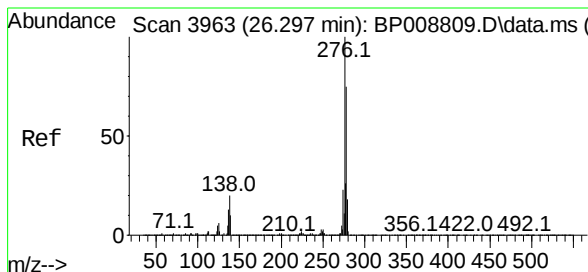
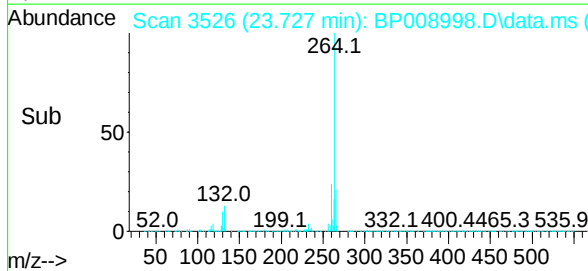
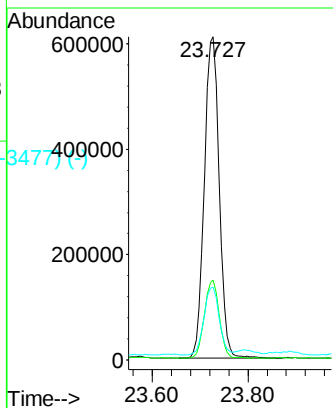
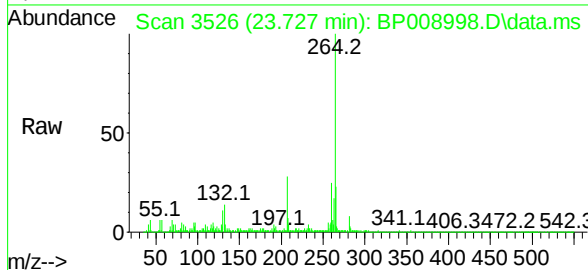




Perylene-d12
 Concen: 20.000 ng
 RT: 23.727 min Scan# 3526
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

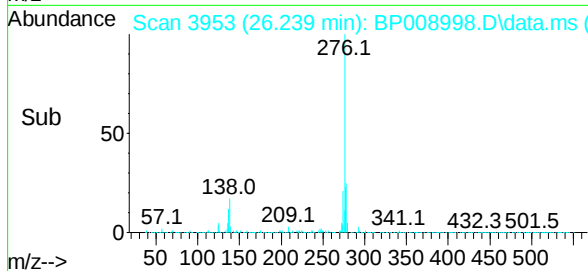
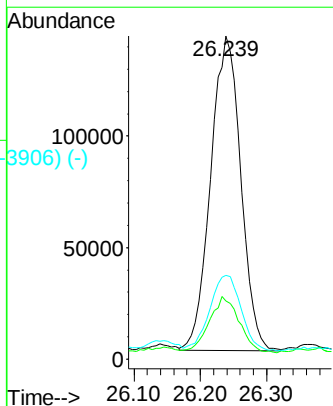
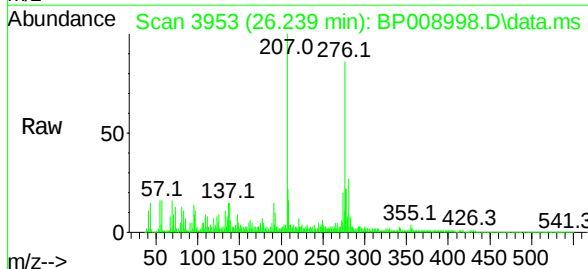
Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

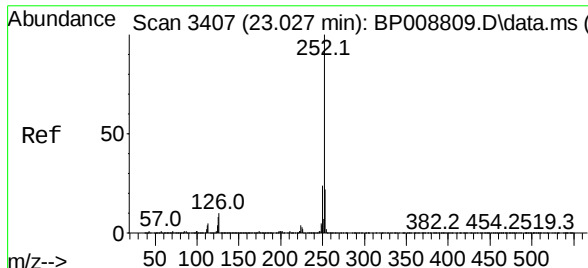
Tgt Ion:	264	Resp:	1307152
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.1	28.7
265	22.6	17.1	25.7



Indeno(1,2,3-cd)pyrene
 Concen: 4.127 ng
 RT: 26.239 min Scan# 3953
 Delta R.T. -0.023 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	276	Resp:	444482
Ion	Ratio	Lower	Upper
276	100		
138	17.8	17.8	26.6
277	24.9	20.4	30.6

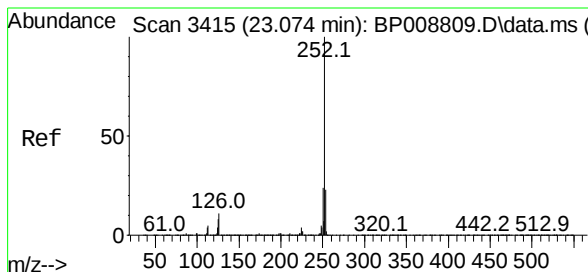
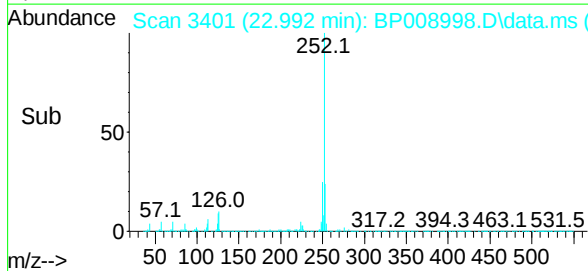
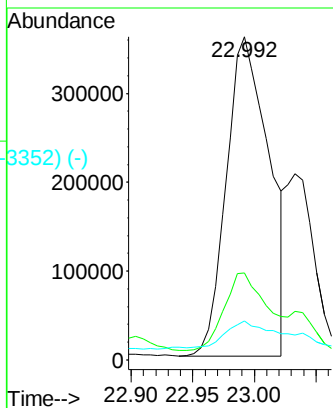
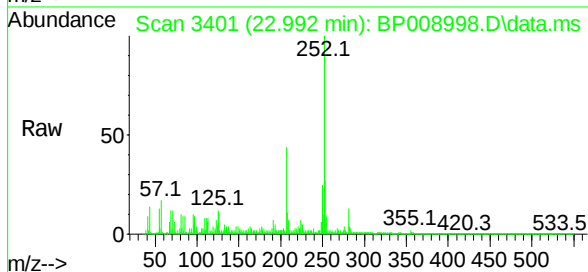




Benzo(b)fluoranthene
 Concen: 9.954 ng
 RT: 22.992 min Scan# 3401
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

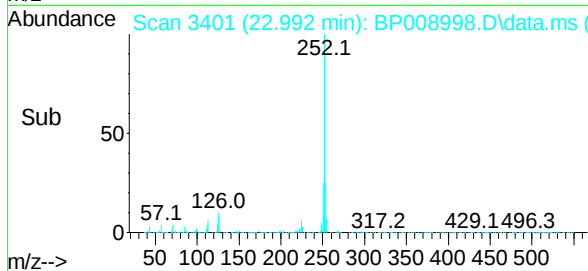
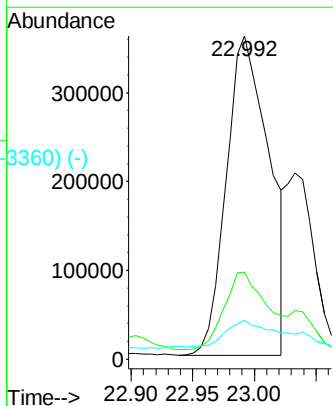
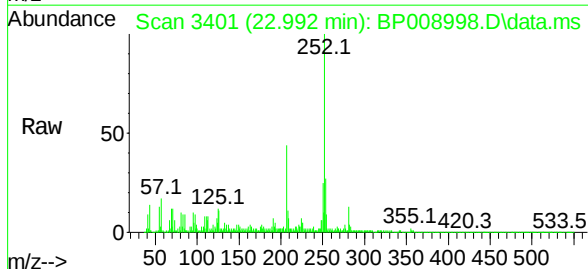
Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

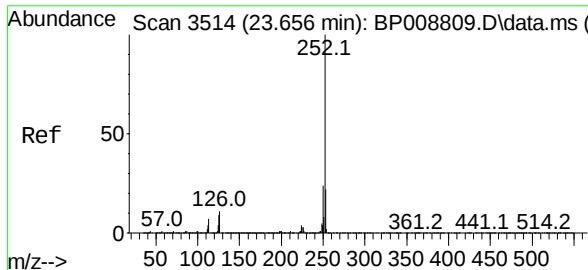
Tgt Ion:	252	Resp:	868972
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.0	27.0
125	12.1	6.9	10.3#



Benzo(k)fluoranthene
 Concen: 10.284 ng
 RT: 22.992 min Scan# 3401
 Delta R.T. -0.059 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	252	Resp:	868972
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.2	27.2
125	12.1	7.3	10.9#

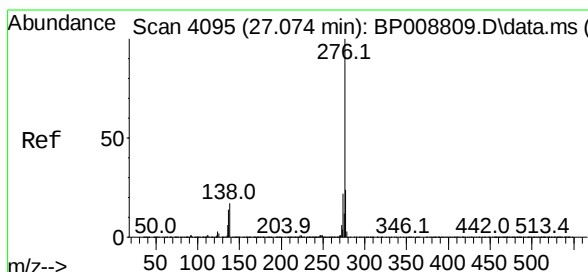
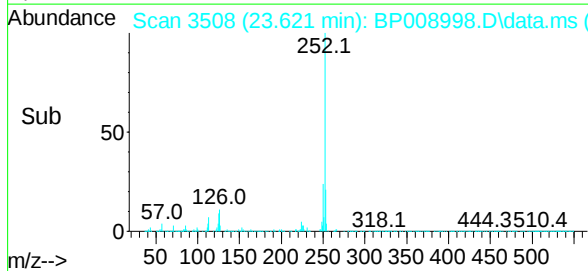
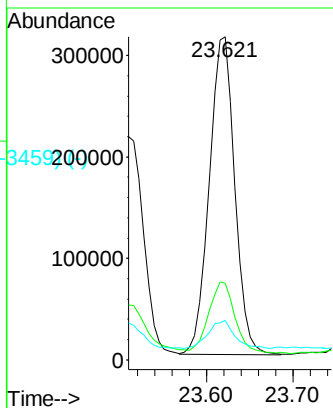
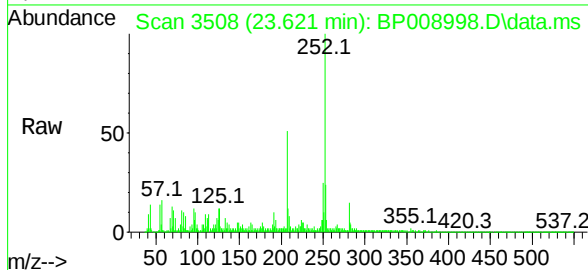




Benzo(a)pyrene
 Concen: 7.655 ng
 RT: 23.621 min Scan# 4085
 Delta R.T. -0.012 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Instrument :
 BNA_P
 ClientSampleId :
 17B-MISC-A

Tgt Ion:	252	Resp:	645036
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	12.2	7.8	11.6#



Benzo(g,h,i)perylene
 Concen: 5.018 ng
 RT: 27.015 min Scan# 4085
 Delta R.T. -0.018 min
 Lab File: BP008998.D
 Acq: 01 Feb 2022 21:30

Tgt Ion:	276	Resp:	448739
Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	18.6	15.0	22.4

