

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
 Data File : BP005245.D
 Acq On : 08 Apr 2021 20:22
 Operator : CG/JU
 Sample : M1971-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-02-040721

Quant Time: Apr 09 00:45:44 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 06 12:33:08 2021
 Response via : Initial Calibration

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

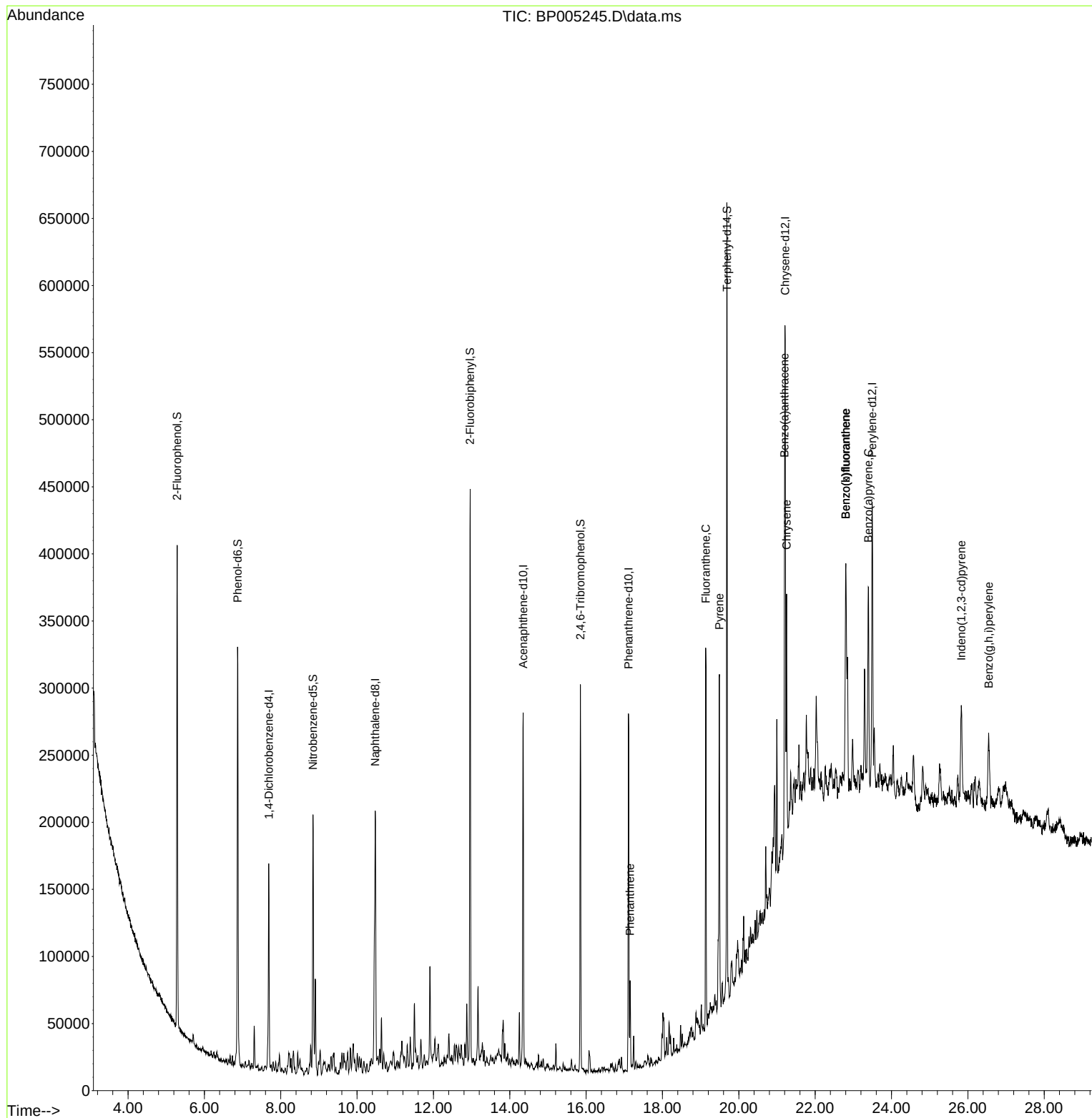
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	36608	20.00	ng	# 0.00
21) Naphthalene-d8	10.475	136	137136	20.00	ng	#-0.01
39) Acenaphthene-d10	14.351	164	79723	20.00	ng	0.00
64) Phenanthrene-d10	17.110	188	152740	20.00	ng	# 0.00
76) Chrysene-d12	21.216	240	147054	20.00	ng	0.00
86) Perylene-d12	23.492	264	155808	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	145371	61.11	ng	0.00
7) Phenol-d6	6.869	99	173587	50.94	ng	-0.01
23) Nitrobenzene-d5	8.846	82	116692	36.51	ng	-0.01
42) 2,4,6-Tribromophenol	15.851	330	45936	44.22	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	202414	34.35	ng	0.00
79) Terphenyl-d14	19.686	244	256239	31.72	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.151	178	36847	4.16	ng	98
75) Fluoranthene	19.133	202	148642	14.27	ng	97
78) Pyrene	19.492	202	146257	14.47	ng	99
81) Benzo(a)anthracene	21.198	228	107873	10.80	ng	98
83) Chrysene	21.251	228	91230	9.30	ng	95
87) Indeno(1,2,3-cd)pyrene	25.827	276	66736	5.71	ng	96
88) Benzo(b)fluoranthene	22.804	252	136019	12.29	ng	# 97
89) Benzo(k)fluoranthene	22.804	252	136019	12.83	ng	# 98
90) Benzo(a)pyrene	23.392	252	101402	10.22	ng	97
92) Benzo(g,h,i)perylene	26.545	276	62024	6.36	ng	94

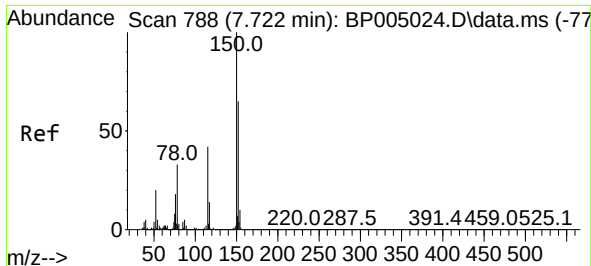
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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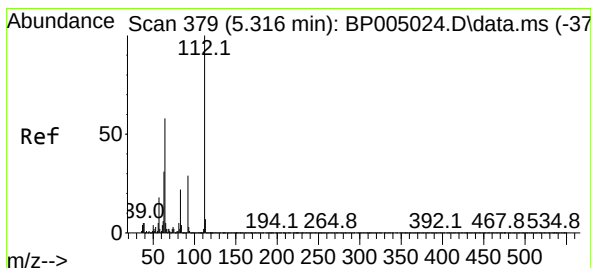
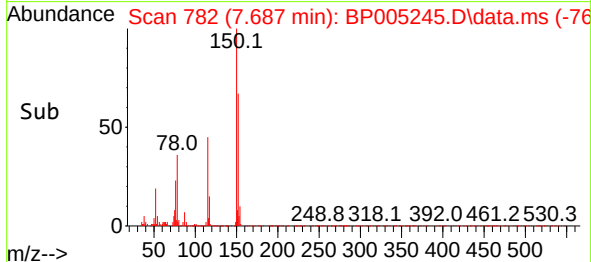
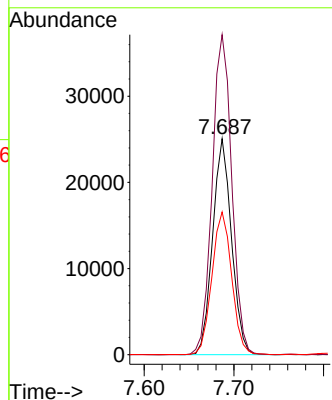
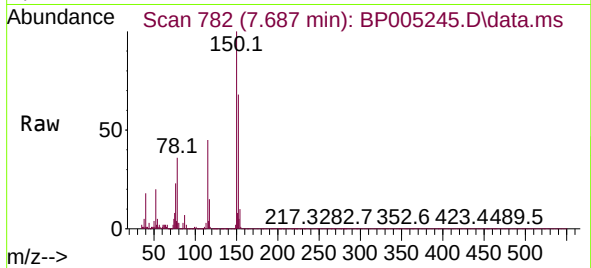




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.687 min Scan# 782
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

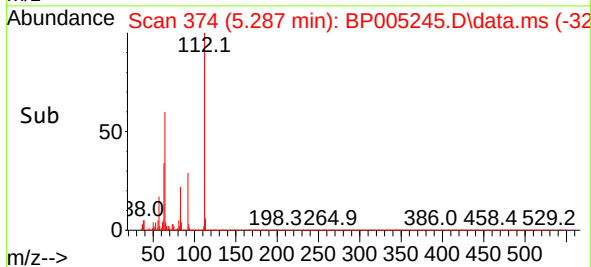
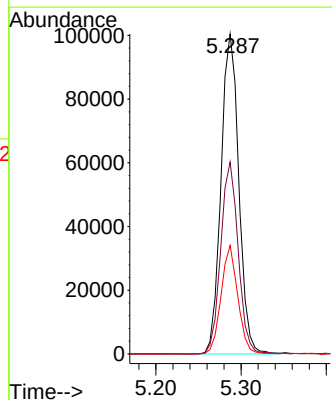
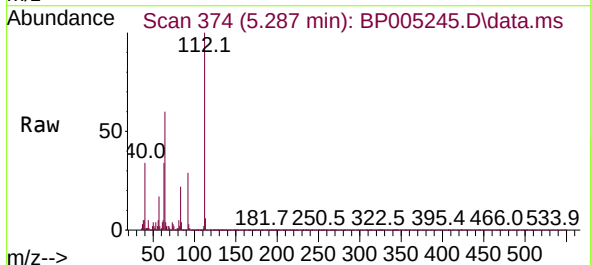
Instrument :
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HR-02-040721

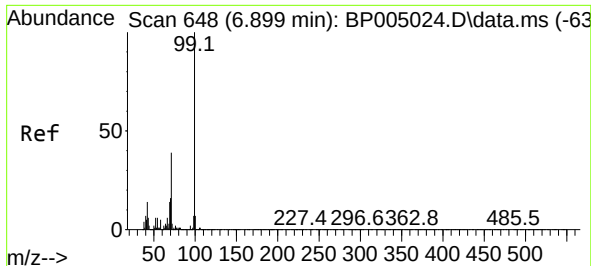
Tgt Ion:152 Resp: 36608
Ion Ratio Lower Upper
152 100
150 148.1 123.8 185.6
115 66.1 43.8 65.6#



#5
2-Fluorophenol
Concen: 61.11 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:112 Resp: 145371
Ion Ratio Lower Upper
112 100
64 60.0 32.8 49.2#
63 33.9 17.0 25.4#

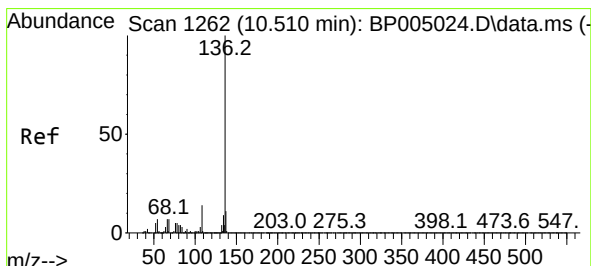
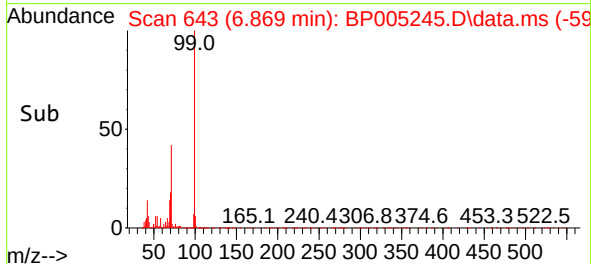
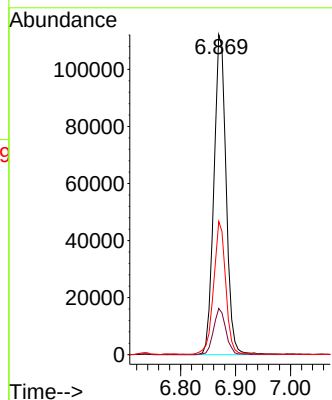
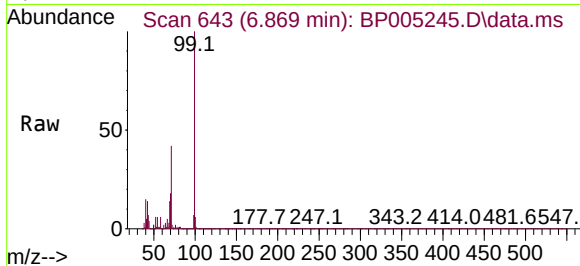




#7
Phenol-d6
Concen: 50.94 ng
RT: 6.869 min Scan# 643
Delta R.T. -0.012 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

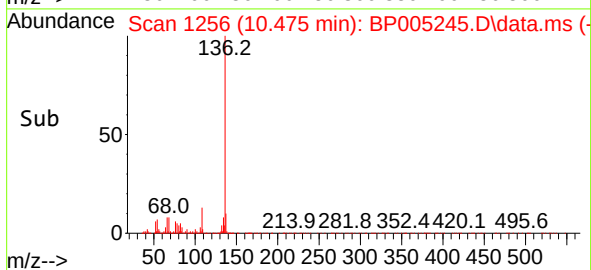
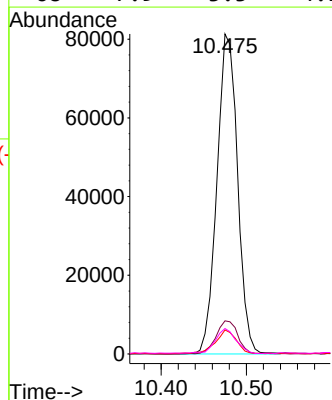
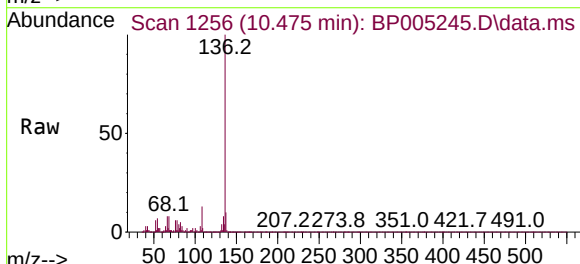
Instrument :
BNA_P
ClientSampleId :
HR-02-040721

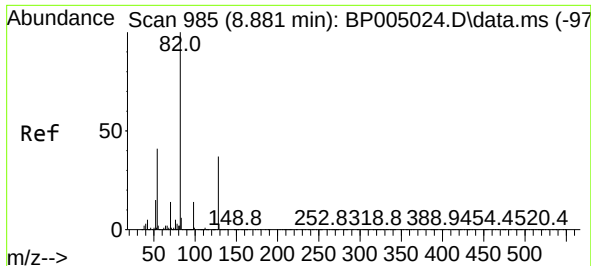
Tgt Ion: 99 Resp: 173587
Ion Ratio Lower Upper
99 100
42 14.4 8.6 13.0#
71 41.6 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion: 136 Resp: 137136
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.5 3.6 5.4#
68 7.9 3.3 4.9#

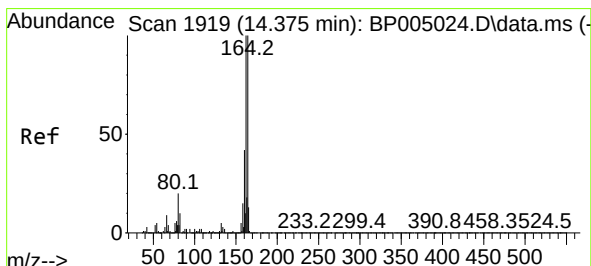
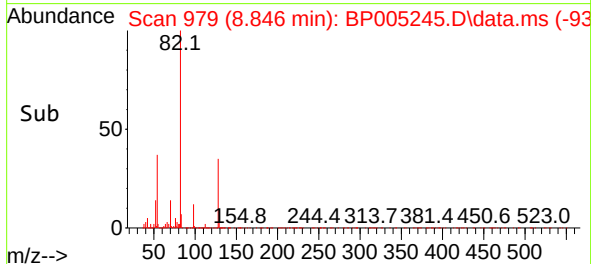
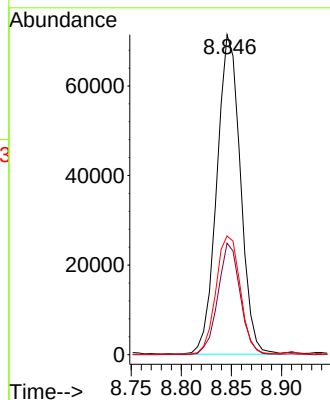
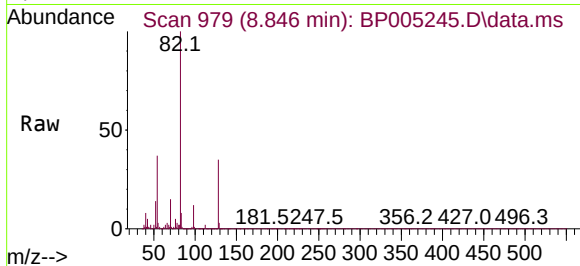




#23
Nitrobenzene-d5
Concen: 36.51 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.012 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

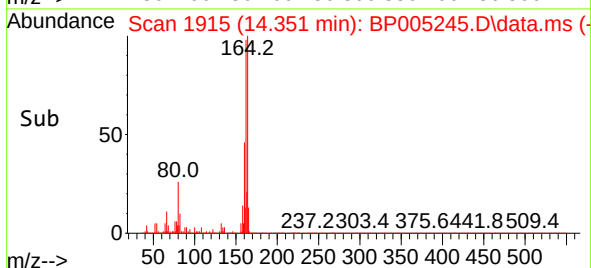
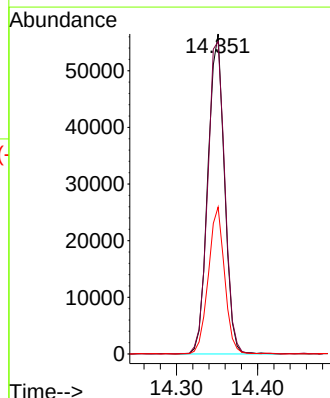
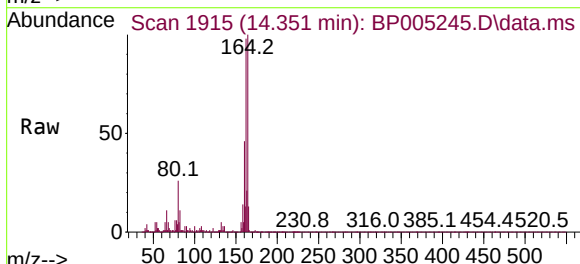
Instrument :
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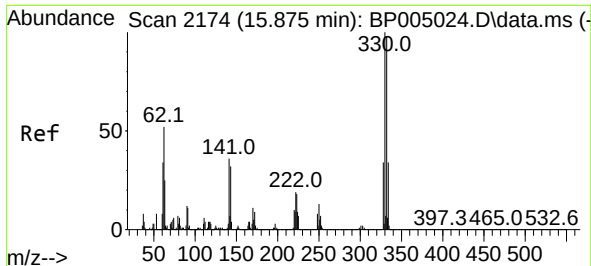
Tgt Ion: 82 Resp: 116692
Ion Ratio Lower Upper
82 100
128 34.8 45.6 68.4#
54 37.1 30.1 45.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion: 164 Resp: 79723
Ion Ratio Lower Upper
164 100
162 97.6 79.4 119.2
160 45.9 36.1 54.1

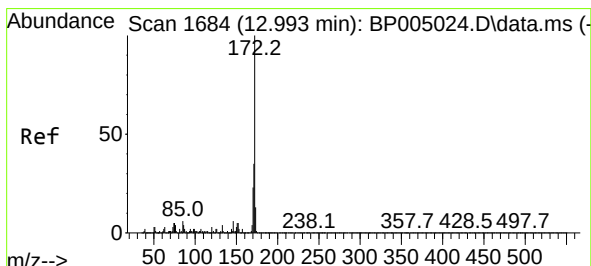
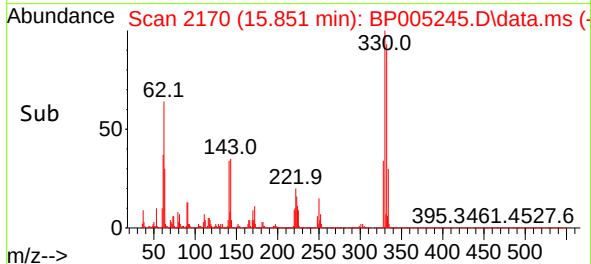
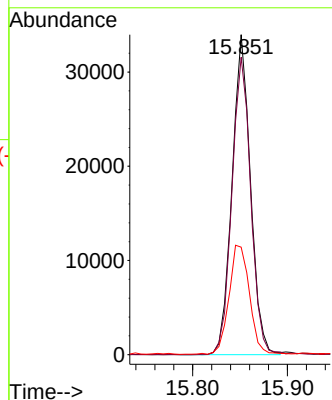
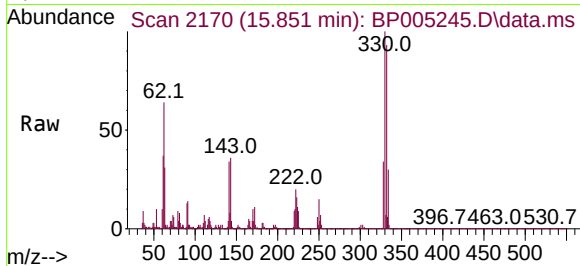




#42
2,4,6-Tribromophenol
Concen: 44.22 ng
RT: 15.851 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

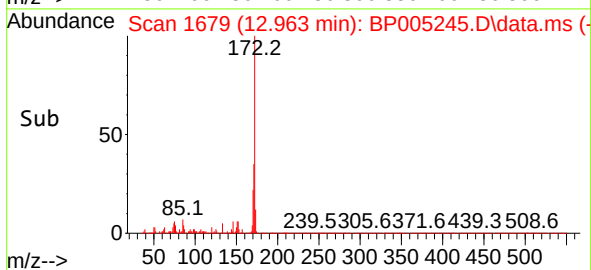
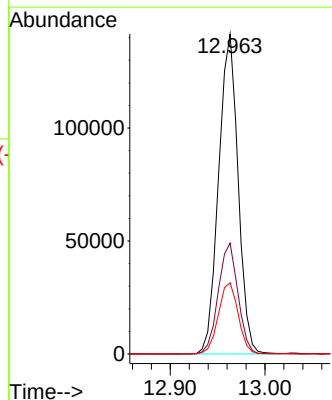
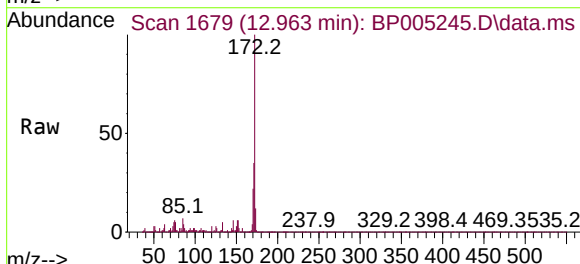
Instrument :
BNA_P
ClientSampleId :
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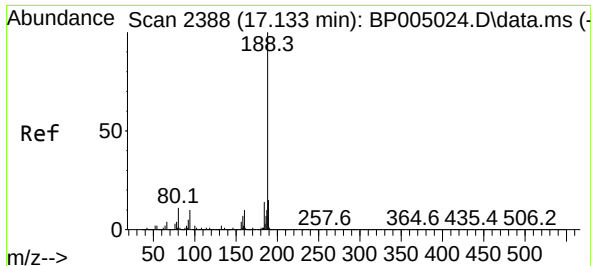
Tgt Ion:330 Resp: 45936
Ion Ratio Lower Upper
330 100
332 95.4 77.1 115.7
141 38.1 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 34.35 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:172 Resp: 202414
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 22.3 19.2 28.8

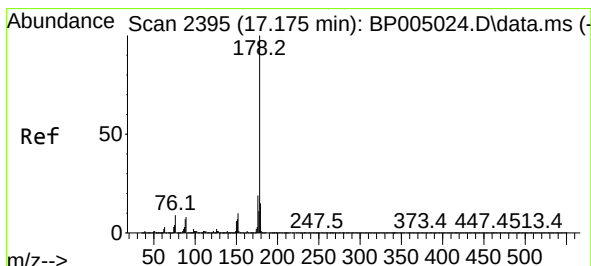
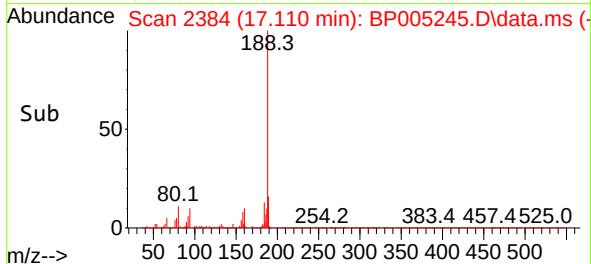
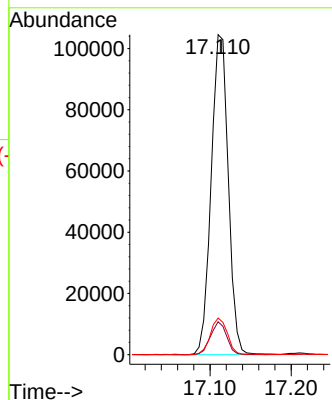
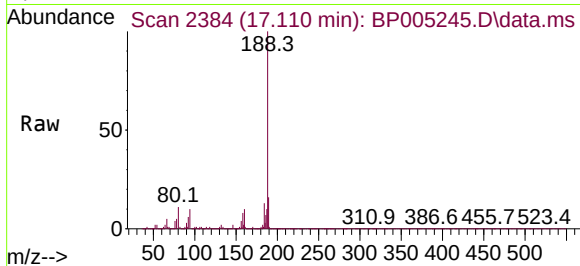




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

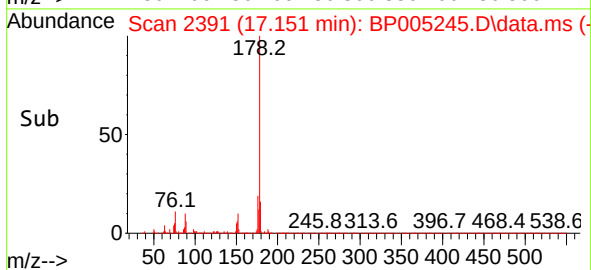
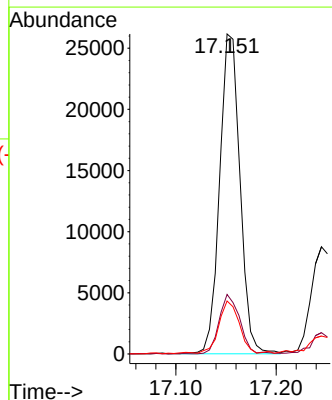
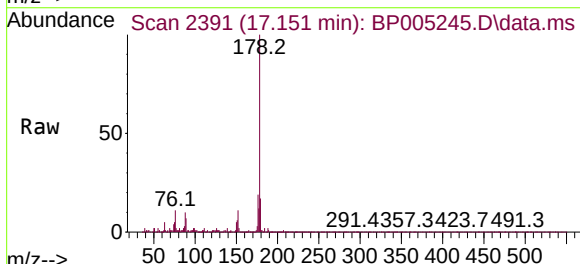
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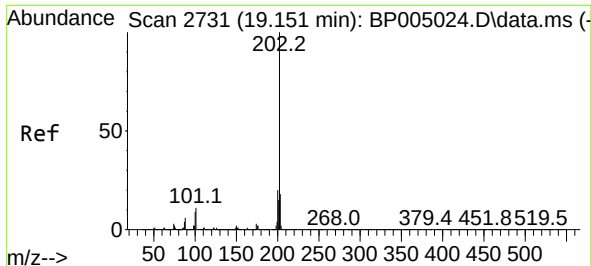
Tgt Ion:188 Resp: 152740
Ion Ratio Lower Upper
188 100
94 10.3 6.2 9.2#
80 11.4 6.2 9.2#



#71
Phenanthrene
Concen: 4.16 ng
RT: 17.151 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:178 Resp: 36847
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 16.5 12.5 18.7

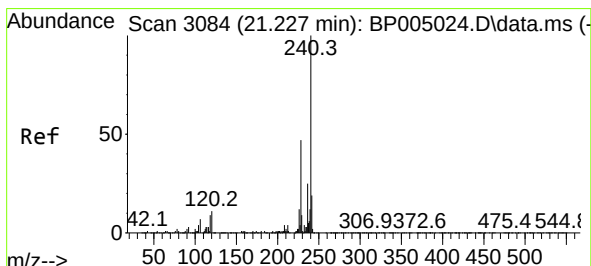
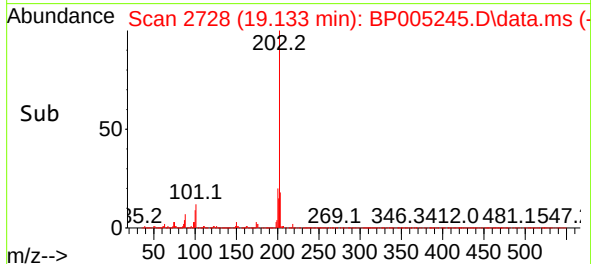
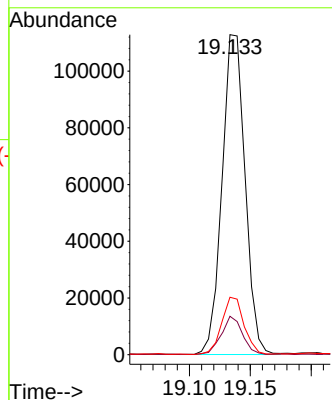
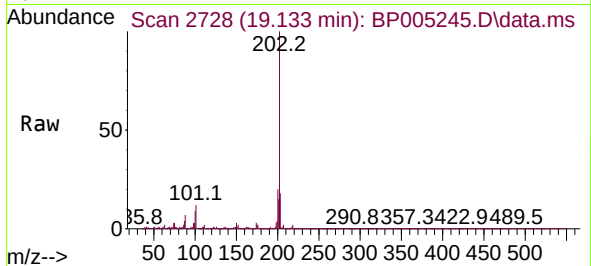




#75
Fluoranthene
Concen: 14.27 ng
RT: 19.133 min Scan# 2728
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

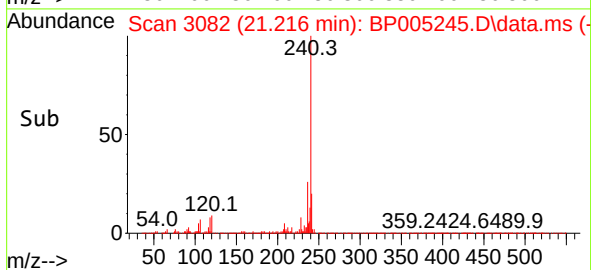
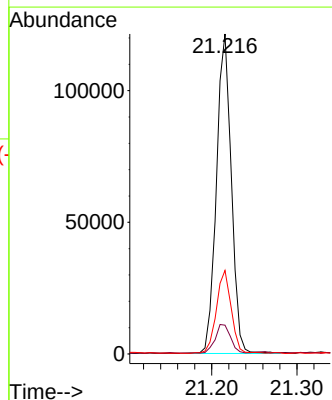
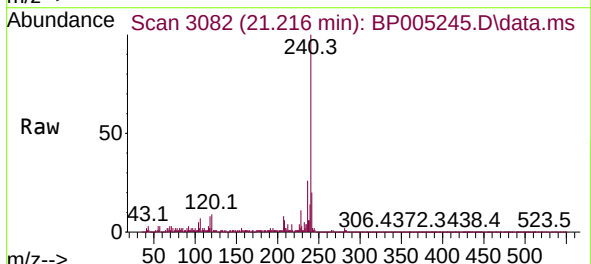
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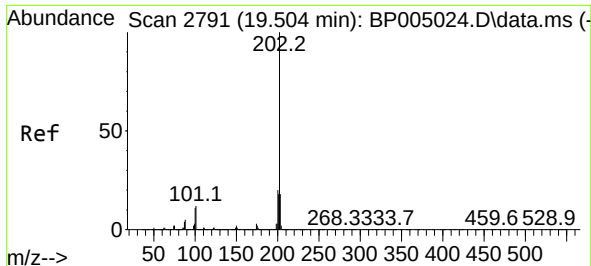
Tgt Ion:	202	Resp:	148642
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	29.4
203	18.0	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.216 min Scan# 3082
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:	240	Resp:	147054
Ion Ratio	Lower	Upper	
240	100		
120	9.0	7.8	11.6
236	26.1	20.8	31.2

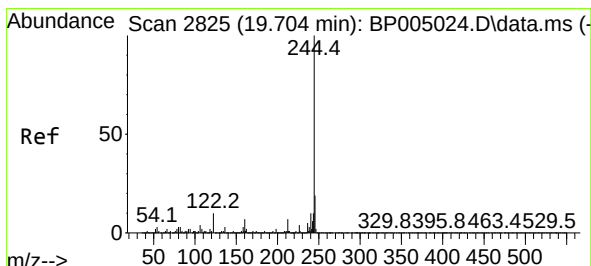
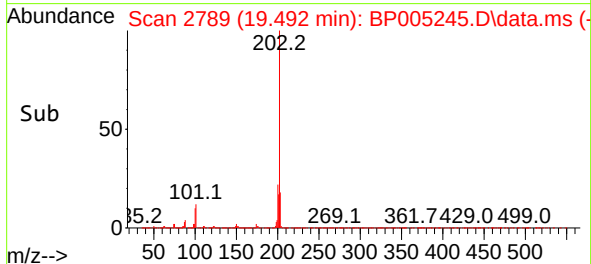
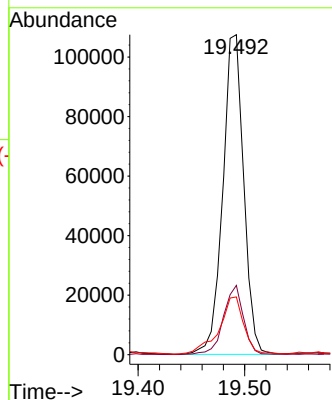
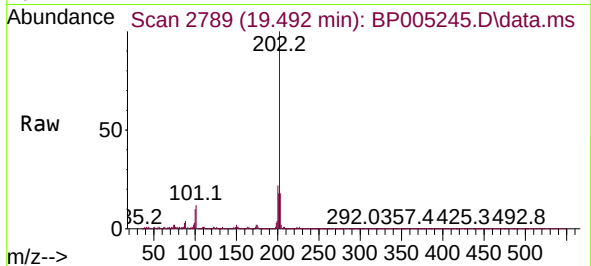




#78
Pyrene
Concen: 14.47 ng
RT: 19.492 min Scan# 2789
Delta R.T. 0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

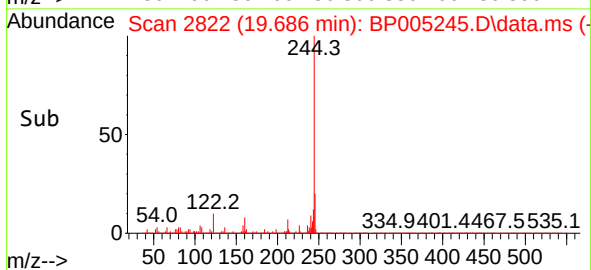
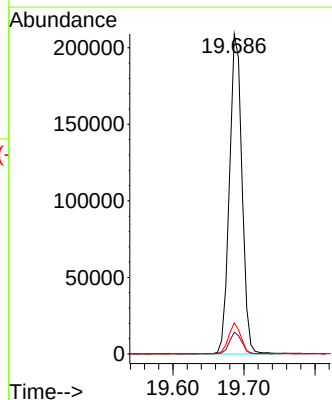
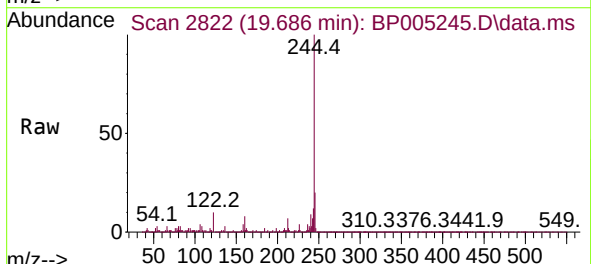
Instrument :
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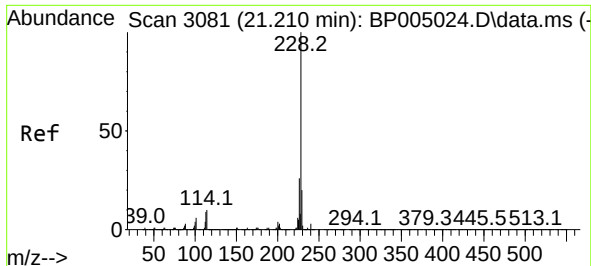
Tgt Ion:202 Resp: 146257
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 18.1 14.2 21.2



#79
Terphenyl-d14
Concen: 31.72 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:244 Resp: 256239
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 9.7 7.8 11.8

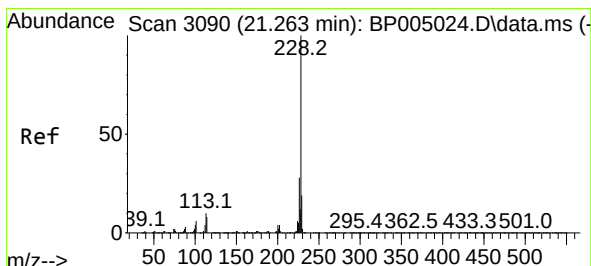
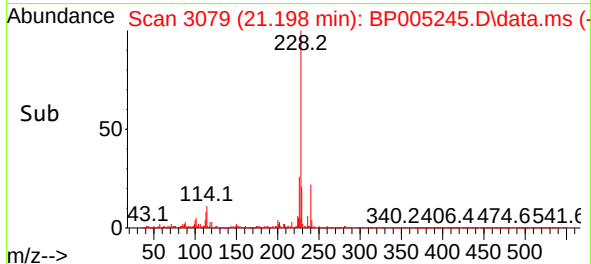
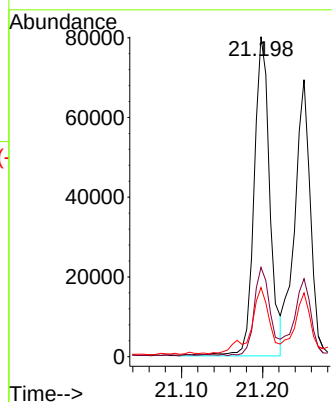
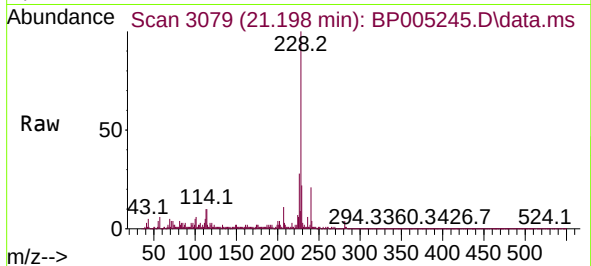




#81
Benzo(a)anthracene
Concen: 10.80 ng
RT: 21.198 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

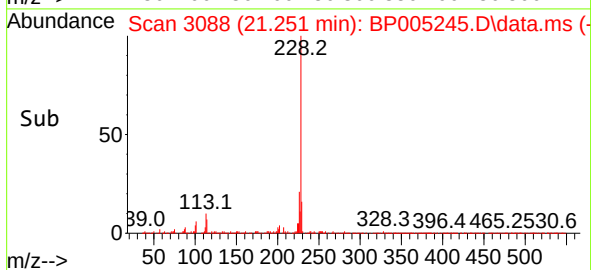
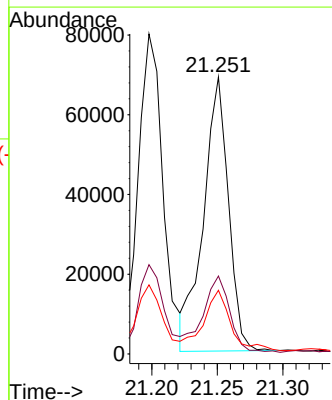
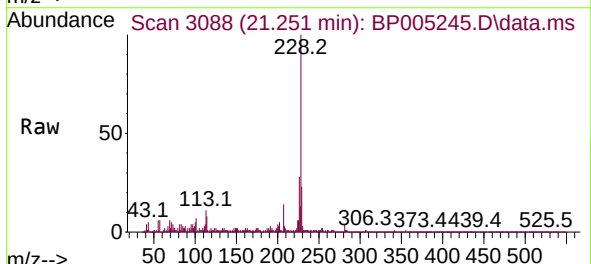
Instrument :
BNA_P
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HR-02-040721

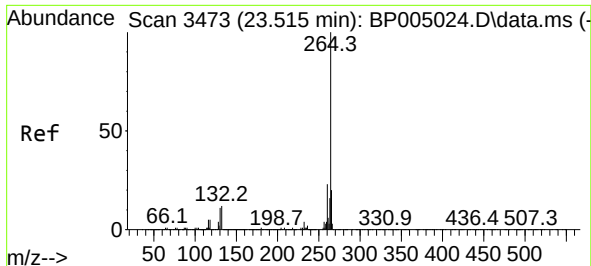
Tgt Ion:228 Resp: 107873
Ion Ratio Lower Upper
228 100
226 27.9 22.1 33.1
229 21.6 15.9 23.9



#83
Chrysene
Concen: 9.30 ng
RT: 21.251 min Scan# 3088
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:228 Resp: 91230
Ion Ratio Lower Upper
228 100
226 28.1 24.4 36.6
229 23.0 15.8 23.6

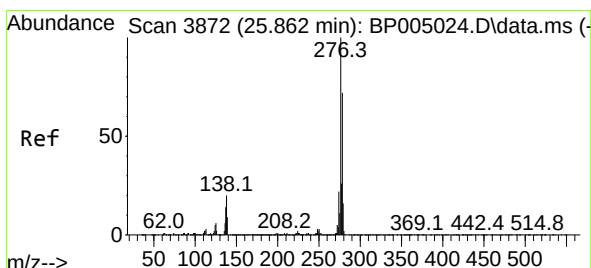
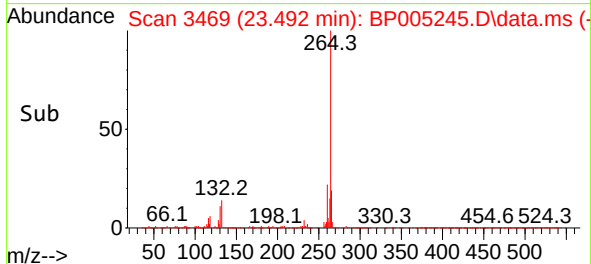
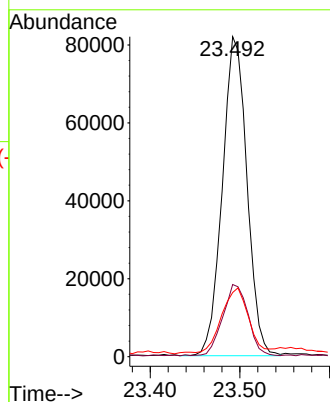
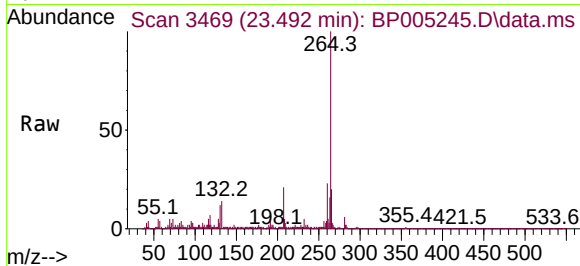




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.492 min Scan# 3469
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

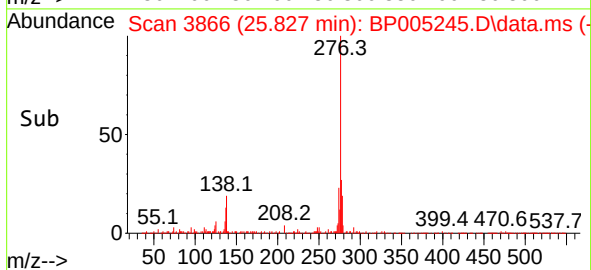
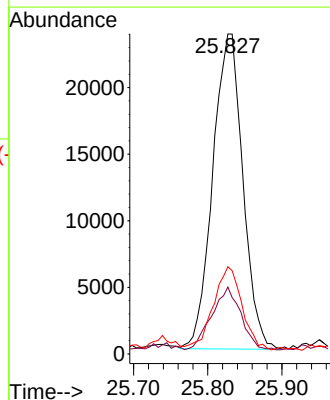
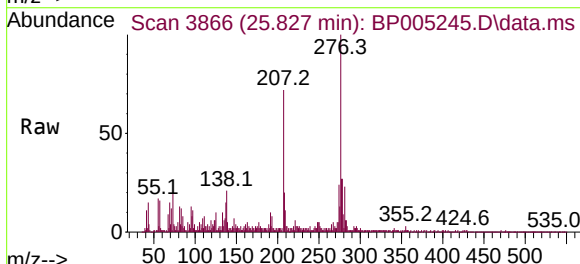
Instrument :
BNA_P
ClientSampleId :
HR-02-040721

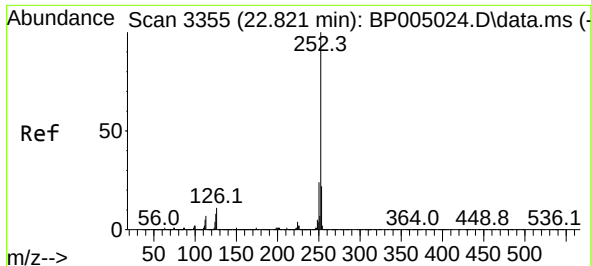
Tgt Ion:	264	Resp:	155808
Ion Ratio	Lower	Upper	
264	100		
260	22.6	18.8	28.2
265	20.0	17.4	26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.71 ng
RT: 25.827 min Scan# 3866
Delta R.T. -0.012 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:	276	Resp:	66736
Ion Ratio	Lower	Upper	
276	100		
138	19.2	18.7	28.1
277	25.2	20.4	30.6

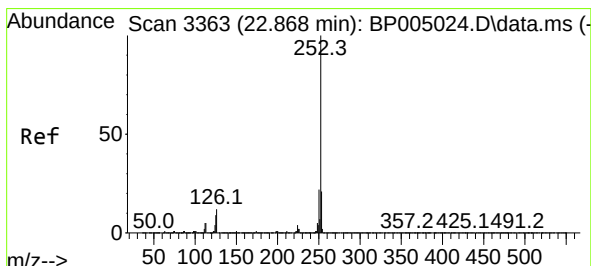
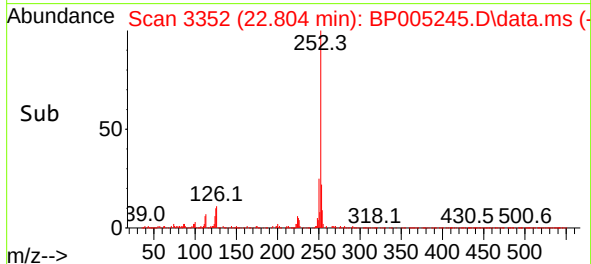
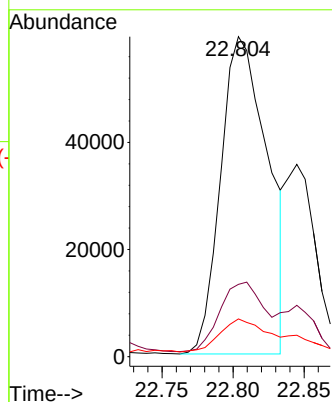
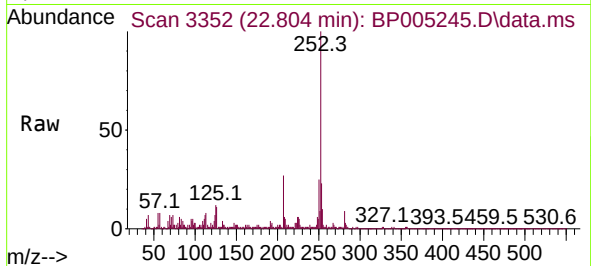




#88
Benzo(b)fluoranthene
Concen: 12.29 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

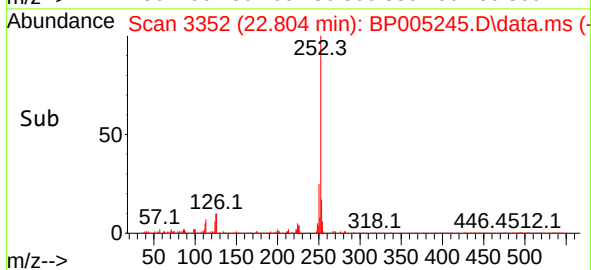
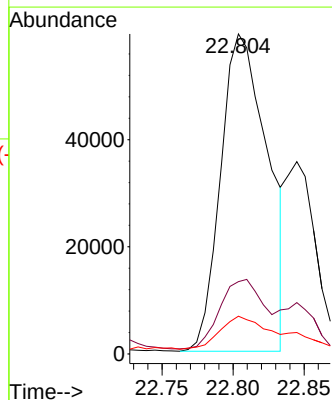
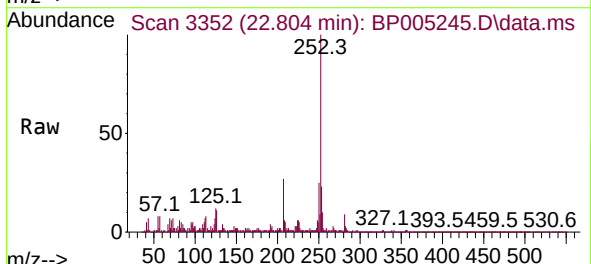
Instrument :
BNA_P
ClientSampleId :
HR-02-040721

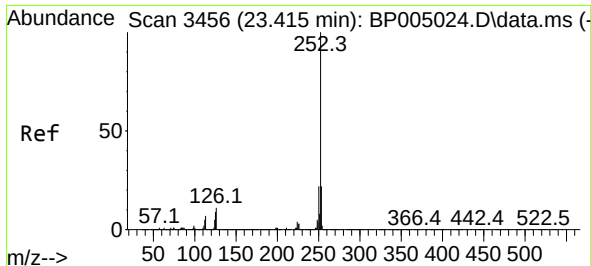
Tgt Ion:252 Resp: 136019
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.8 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 12.83 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.047 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:252 Resp: 136019
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.8 7.4 11.2#

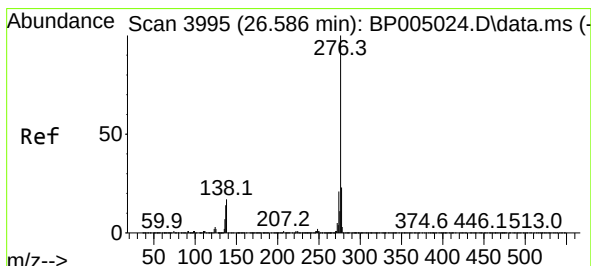
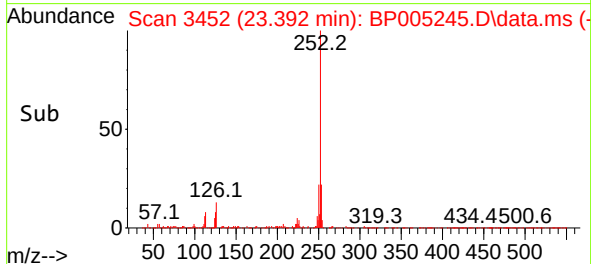
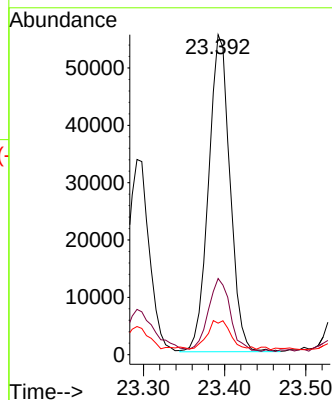
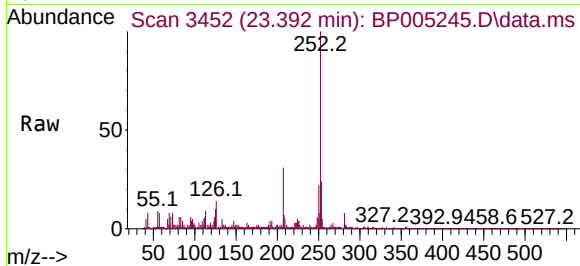




#90
Benzo(a)pyrene
Concen: 10.22 ng
RT: 23.392 min Scan# 3452
Delta R.T. 0.000 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Instrument :
BNA_P
ClientSampleId :
HR-02-040721

Tgt Ion:252 Resp: 101402
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 9.9 8.2 12.4



#92
Benzo(g,h,i)perylene
Concen: 6.36 ng
RT: 26.545 min Scan# 3988
Delta R.T. -0.006 min
Lab File: BP005245.D
Acq: 08 Apr 2021 20:22

Tgt Ion:276 Resp: 62024
Ion Ratio Lower Upper
276 100
277 20.3 19.0 28.6
138 22.7 16.6 24.8

