

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051321\
 Data File : BP005539.D
 Acq On : 14 May 2021 02:13
 Operator : CG/JU
 Sample : M2372-07 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200032

Quant Time: May 14 03:28:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 11 11:20:59 2021
 Response via : Initial Calibration

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

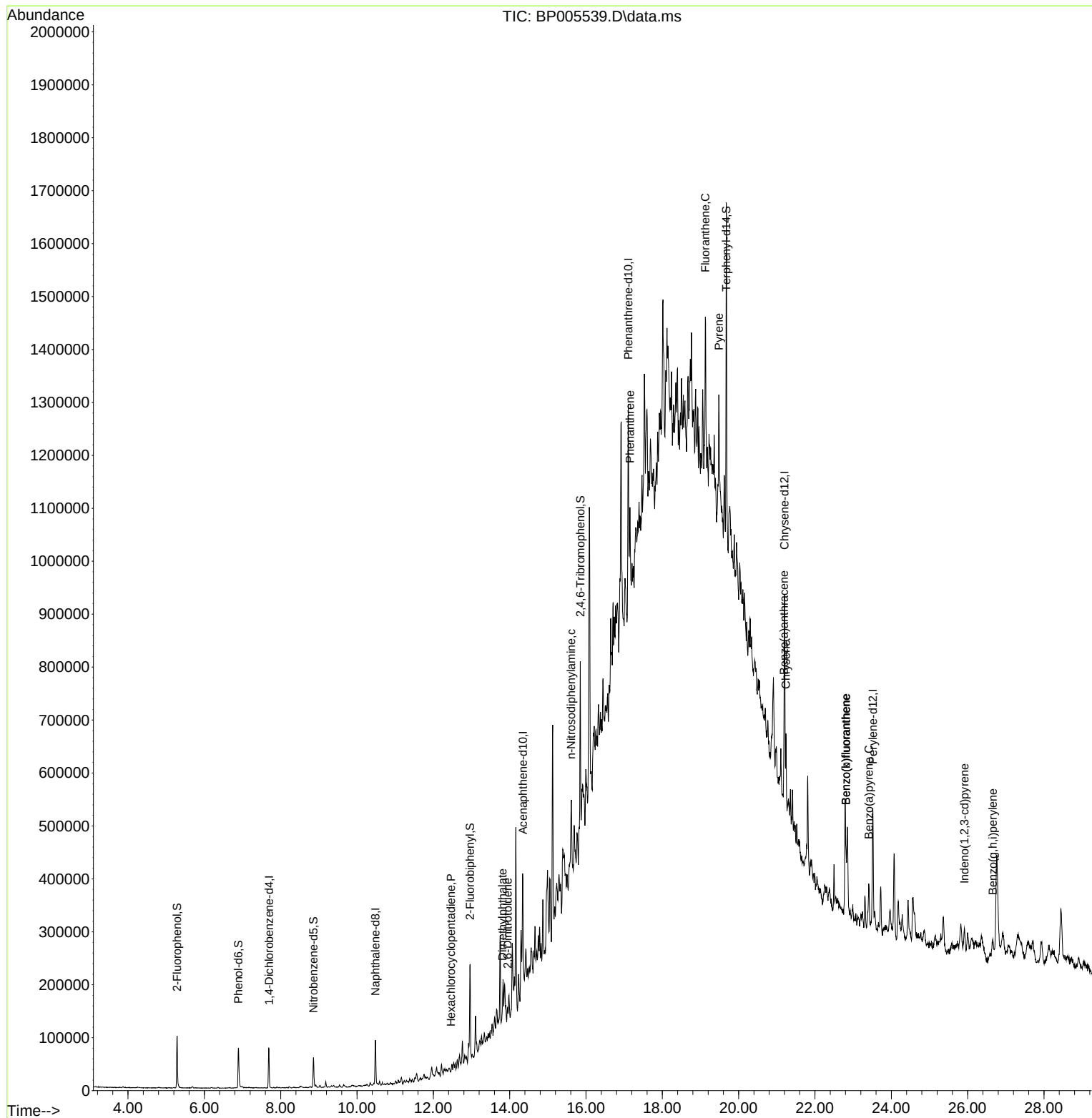
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	16397	20.00	ng	0.00
21) Naphthalene-d8	10.481	136	50626	20.00	ng	-0.01
39) Acenaphthene-d10	14.345	164	44614	20.00	ng	0.00
64) Phenanthrene-d10	17.110	188	132627	20.00	ng	# 0.01
76) Chrysene-d12	21.203	240	146934	20.00	ng	# 0.01
86) Perylene-d12	23.515	264	157877	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	31819	37.24	ng	0.00
7) Phenol-d6	6.892	99	33952	31.87	ng	0.00
23) Nitrobenzene-d5	8.857	82	29148	22.66	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	42185	33.32	ng	0.01
45) 2-Fluorobiphenyl	12.963	172	79257	20.04	ng	0.00
79) Terphenyl-d14	19.674	244	227846	26.33	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.169	88	63	Below Cal	#	1
9) Benzaldehyde	6.840	77	122	Below Cal	#	49
41) Hexachlorocyclopentadiene	12.463	237	10	7.88	ng	84
50) Dimethylphthalate	13.810	163	10158	2.64	ng	# 83
51) 2,6-Dinitrotoluene	13.951	165	1765	2.04	ng	# 27
66) n-Nitrosodiphenylamine	15.610	169	10495	2.71	ng	# 45
71) Phenanthrene	17.151	178	56996	7.56	ng	# 88
75) Fluoranthene	19.127	202	127208	12.27	ng	93
78) Pyrene	19.480	202	115799	13.92	ng	97
81) Benzo(a)anthracene	21.186	228	58607	6.16	ng	# 92
83) Chrysene	21.239	228	61055	6.62	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.915	276	51248	3.86	ng	# 96
88) Benzo(b)fluoranthene	22.809	252	94477	8.98	ng	# 91
89) Benzo(k)fluoranthene	22.809	252	94477	9.18	ng	# 89
90) Benzo(a)pyrene	23.409	252	60390	6.26	ng	# 93
92) Benzo(g,h,i)perylene	26.656	276	51167	4.72	ng	# 93

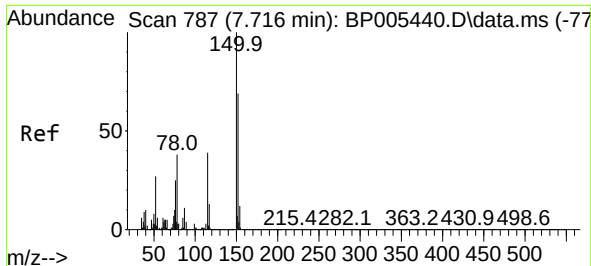
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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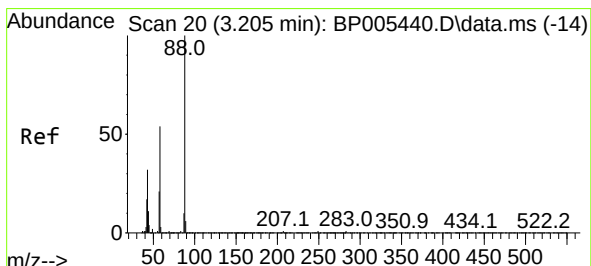
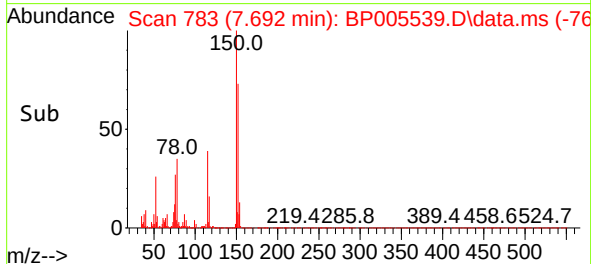
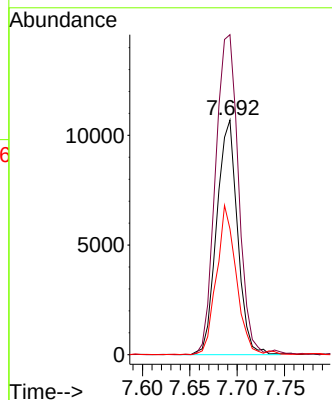
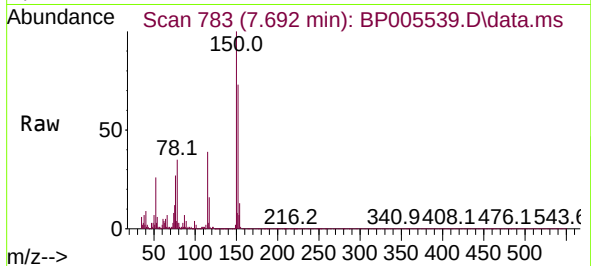




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.692 min Scan# 783
Delta R.T. -0.007 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

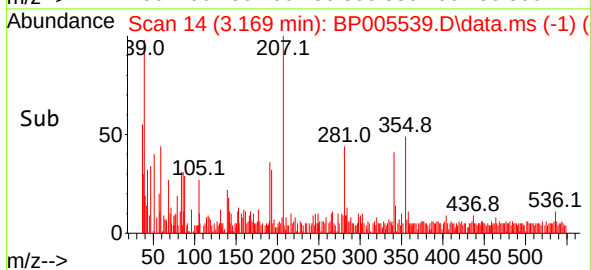
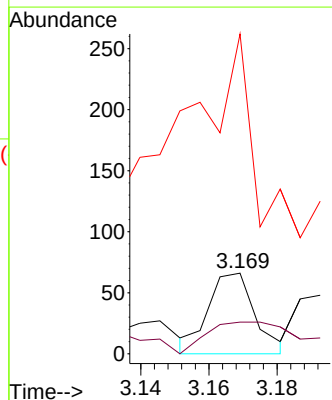
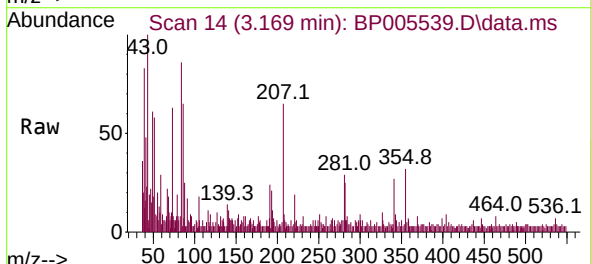
Instrument :
BNA_P
ClientSampleId :
RBR-200032

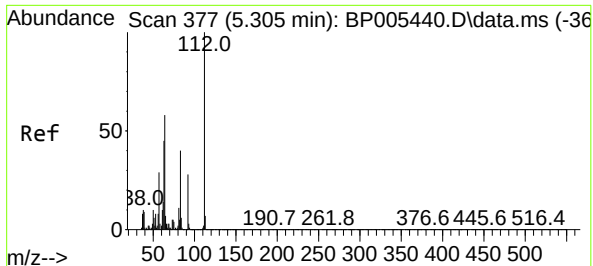
Tgt Ion:152 Resp: 16397
Ion Ratio Lower Upper
152 100
150 136.4 119.8 179.8
115 53.6 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.169 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
58 76.2 42.5 63.7#
43 365.1 19.8 29.8#

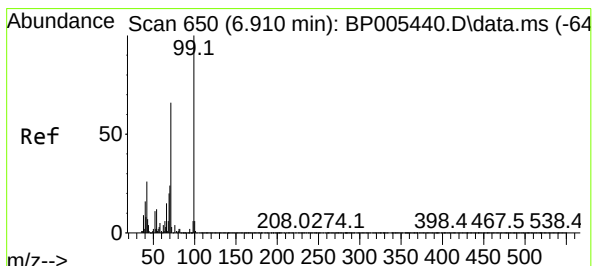
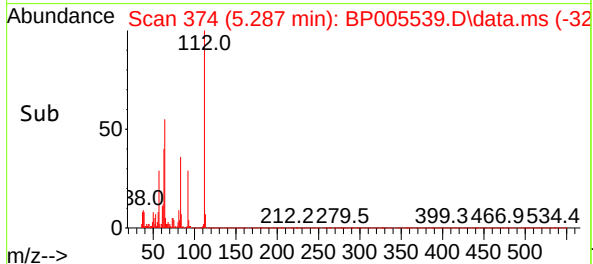
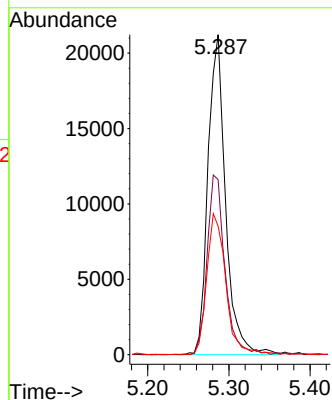
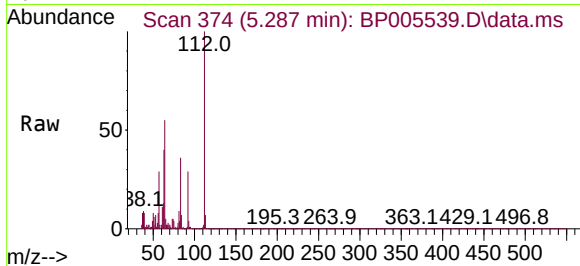




#5
2-Fluorophenol
Concen: 37.24 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.001 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

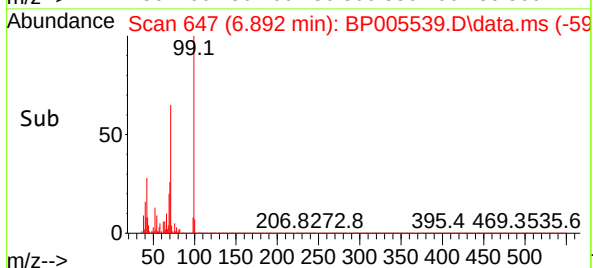
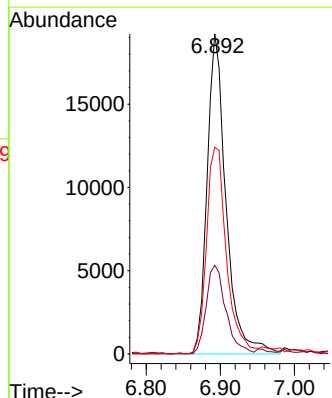
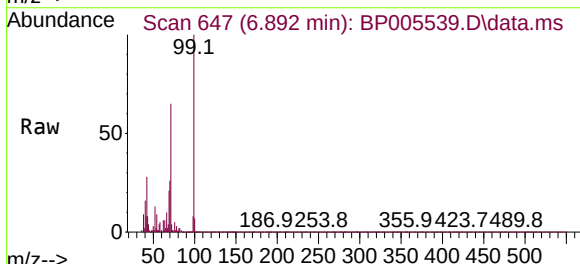
Instrument :
BNA_P
ClientSampleId :
RBR-200032

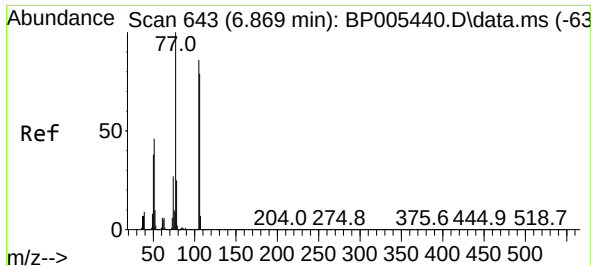
Tgt Ion:112 Resp: 31819
Ion Ratio Lower Upper
112 100
64 54.7 33.6 50.4#
63 40.2 18.6 27.8#



#7
Phenol-d6
Concen: 31.87 ng
RT: 6.892 min Scan# 647
Delta R.T. -0.001 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion: 99 Resp: 33952
Ion Ratio Lower Upper
99 100
42 27.7 12.9 19.3#
71 64.6 26.7 40.1#

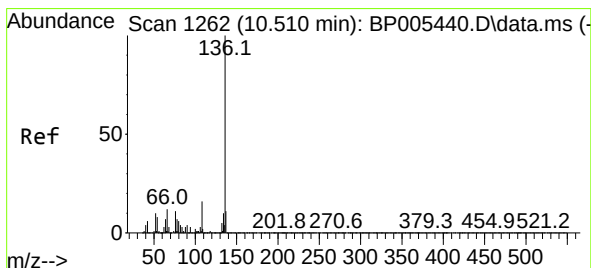
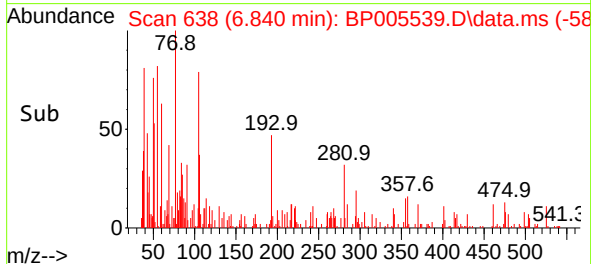
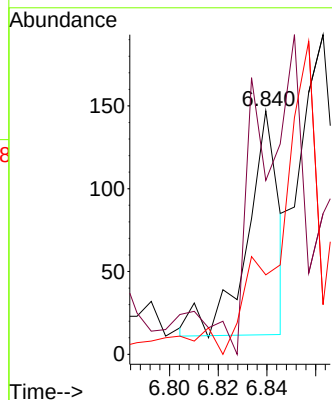
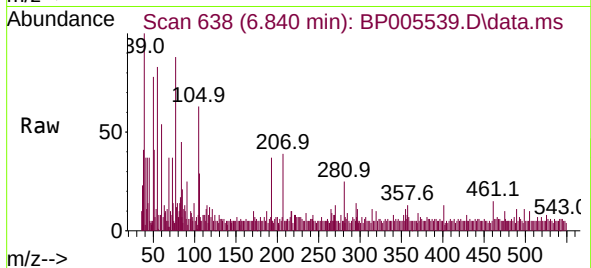




#9
Benzaldehyde
Concen: Below Cal
RT: 6.840 min Scan# 638
Delta R.T. -0.006 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

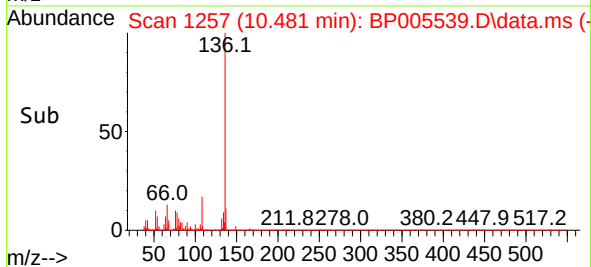
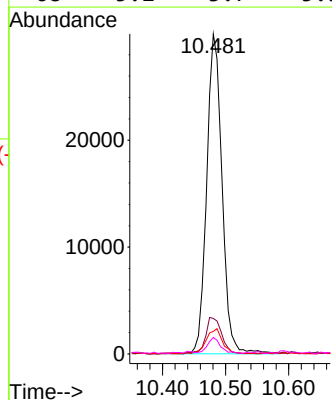
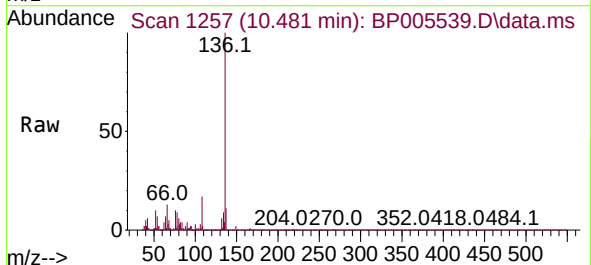
Instrument :
BNA_P
ClientSampleId :
RBR-200032

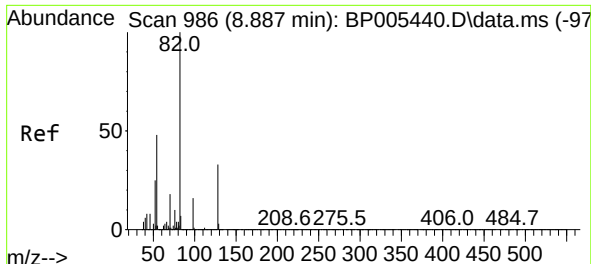
Tgt Ion: 77 Resp: 122
Ion Ratio Lower Upper
77 100
105 71.4 89.4 129.4#
106 32.7 79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion: 136 Resp: 50626
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 5.0 7.4
68 5.2 3.7 5.5

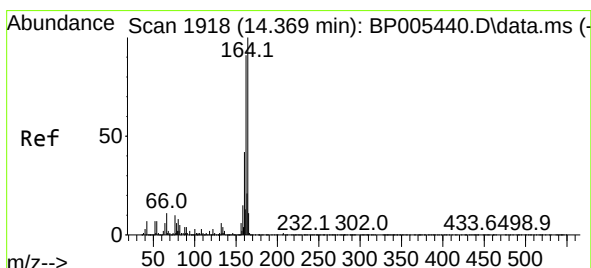
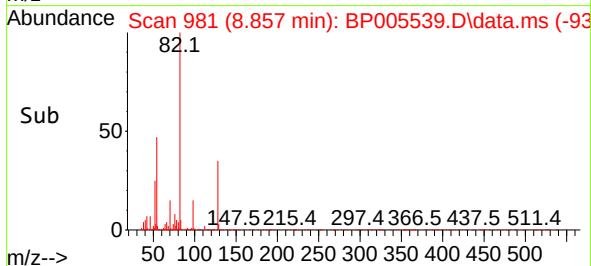
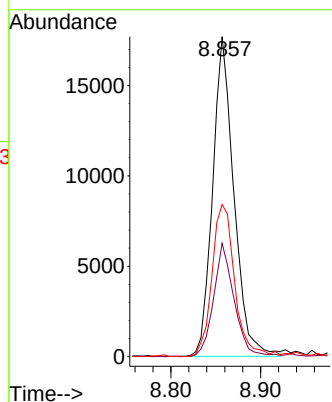
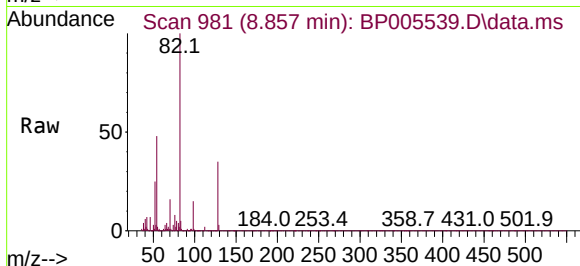




#23
Nitrobenzene-d5
Concen: 22.66 ng
RT: 8.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

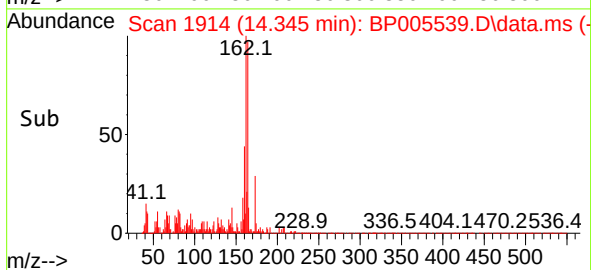
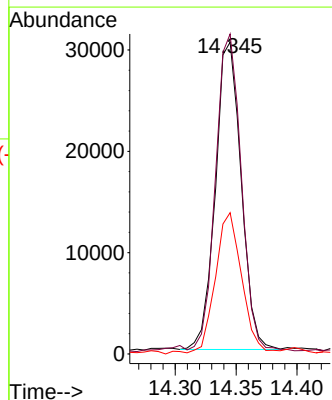
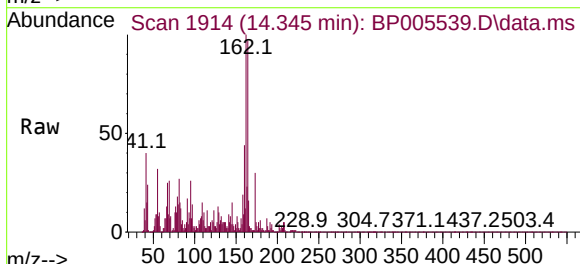
Instrument :
BNA_P
ClientSampleId :
RBR-200032

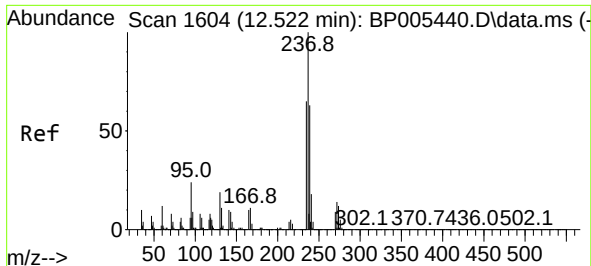
Tgt Ion: 82	Resp: 29148
Ion Ratio	Lower Upper
82 100	
128 35.4	30.5 45.7
54 47.6	33.9 50.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.345 min Scan# 1914
Delta R.T. 0.005 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion: 164	Resp: 44614
Ion Ratio	Lower Upper
164 100	
162 102.6	73.5 110.3
160 45.3	40.6 61.0

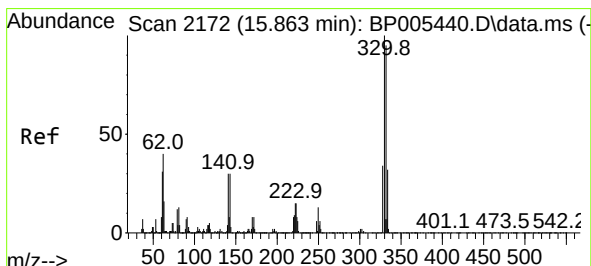
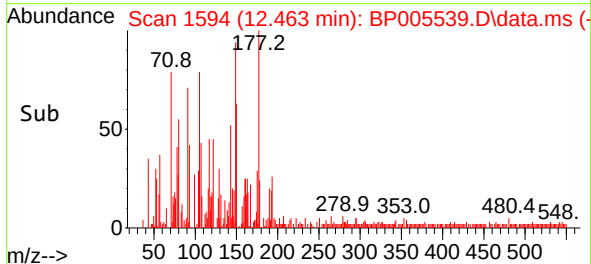
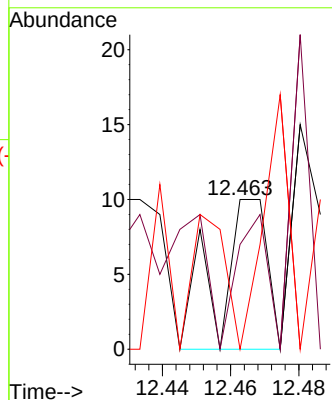
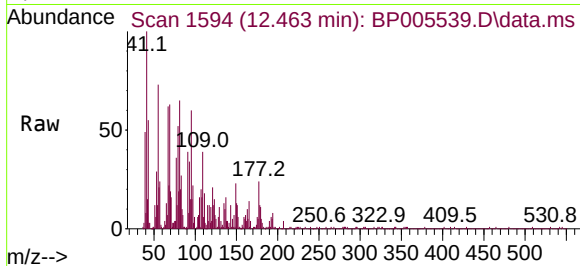




#41
Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.463 min Scan# 1594
Delta R.T. -0.036 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

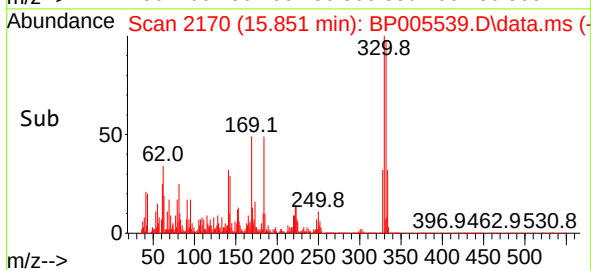
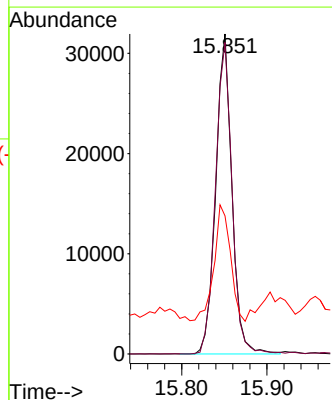
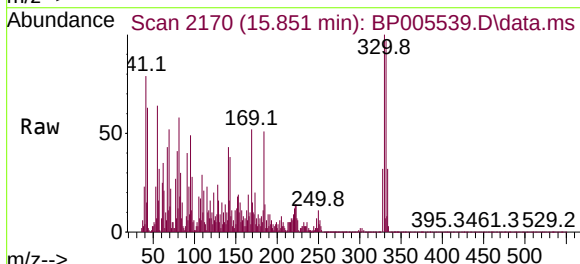
Instrument :
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ClientSampleId :
RBR-200032

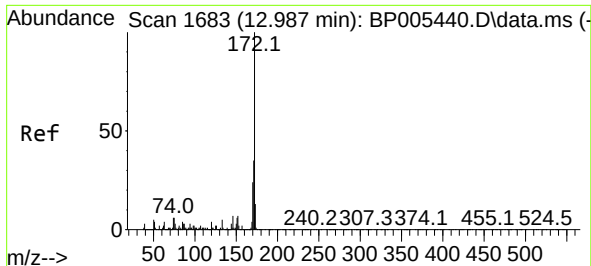
Tgt Ion:	237	Resp:	10
Ion Ratio	Lower	Upper	
237	100		
235	70.0	40.9	80.9
272	0.0	0.0	34.6



#42
2,4,6-Tribromophenol
Concen: 33.32 ng
RT: 15.851 min Scan# 2170
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:	330	Resp:	42185
Ion Ratio	Lower	Upper	
330	100		
332	99.7	76.3	114.5
141	36.7	22.8	34.2#

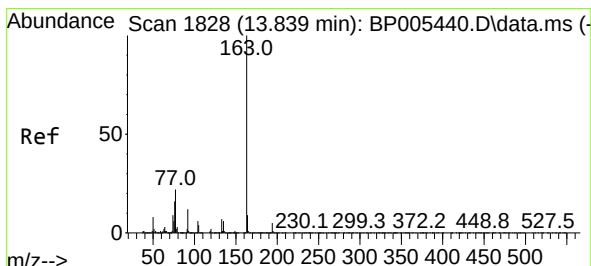
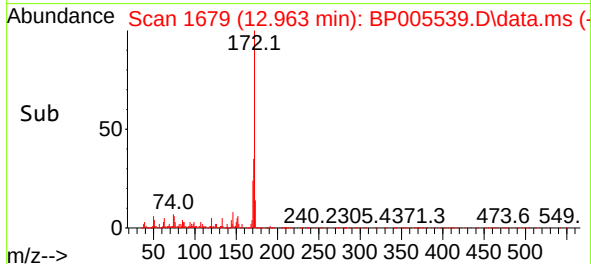
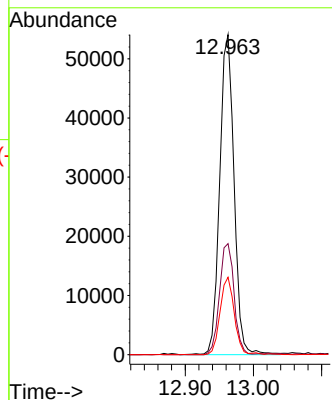
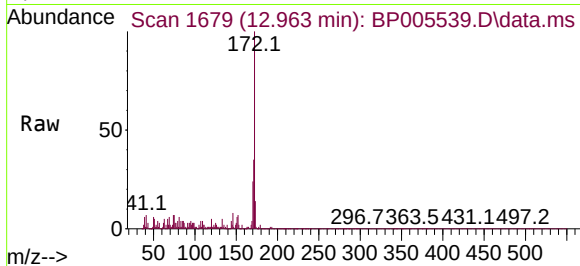




#45
2-Fluorobiphenyl
Concen: 20.04 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

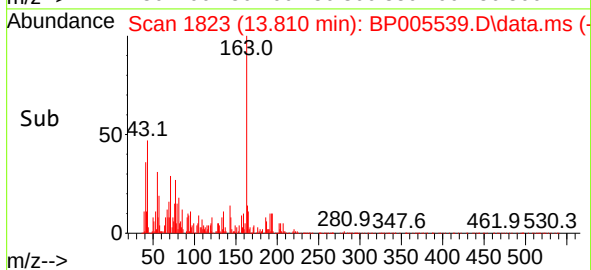
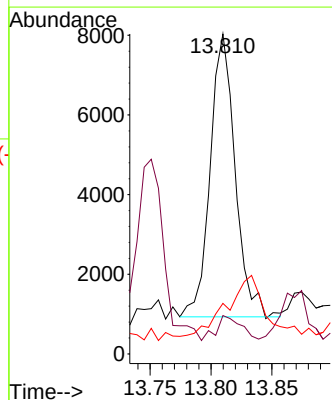
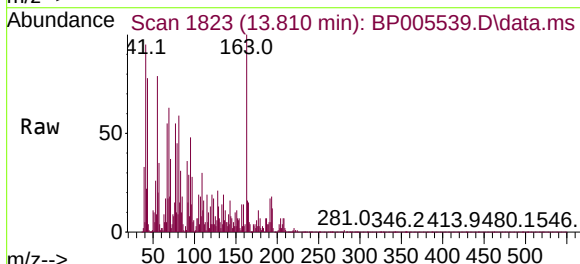
Instrument :
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RBR-200032

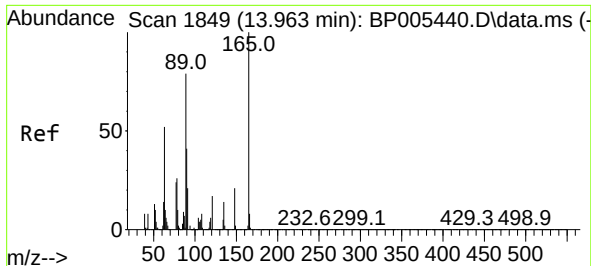
Tgt Ion:	172	Resp:	79257
Ion Ratio	Lower	Upper	
172	100		
171	34.7	28.1	42.1
170	24.2	19.6	29.4



#50
Dimethylphthalate
Concen: 2.64 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:	163	Resp:	10158
Ion Ratio	Lower	Upper	
163	100		
194	12.0	3.9	5.9#
164	15.8	8.1	12.1#

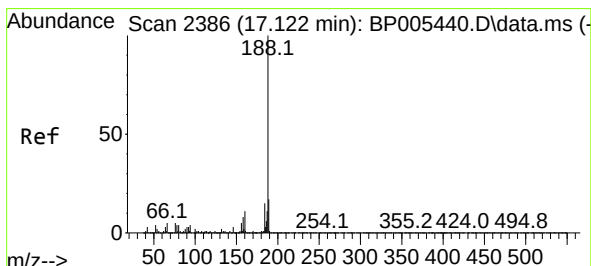
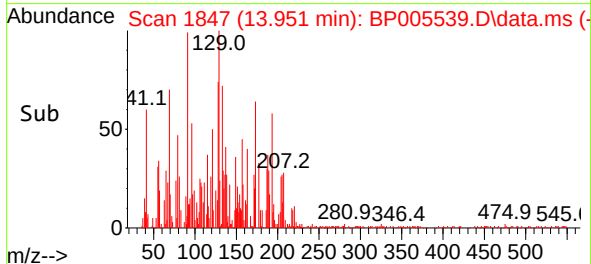
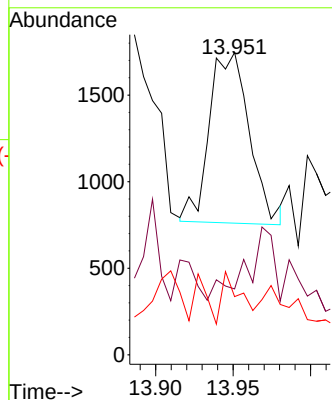
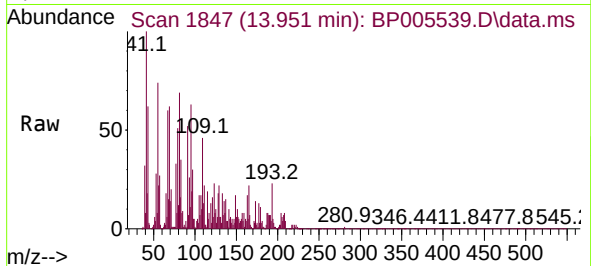




#51
2,6-Dinitrotoluene
Concen: 2.04 ng
RT: 13.951 min Scan# 1847
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

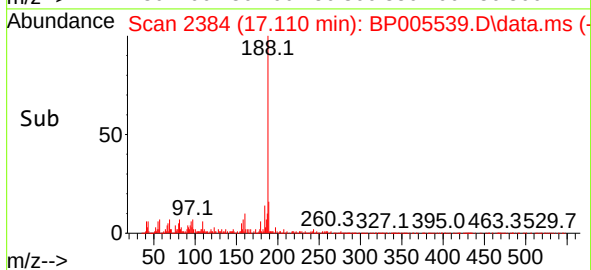
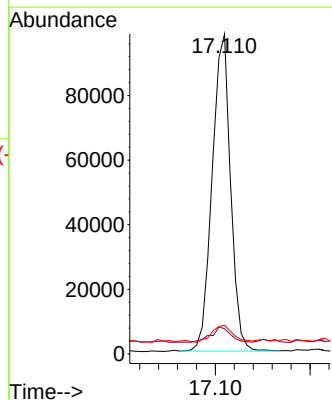
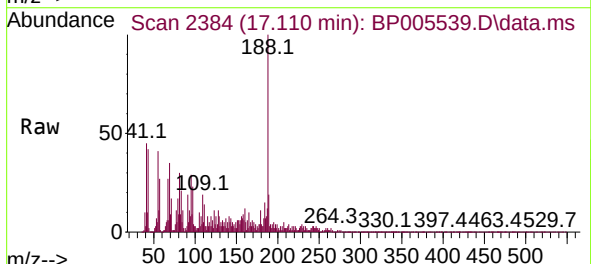
Instrument :
BNA_P
ClientSampleId :
RBR-200032

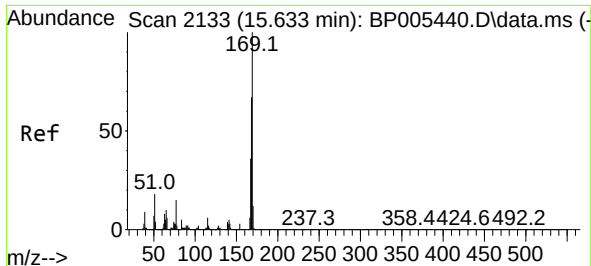
Tgt Ion:165 Resp: 1765
Ion Ratio Lower Upper
165 100
63 21.8 67.4 101.0#
89 19.2 73.8 110.6#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.110 min Scan# 2384
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:188 Resp: 132627
Ion Ratio Lower Upper
188 100
94 7.9 5.0 7.6#
80 9.0 5.9 8.9#

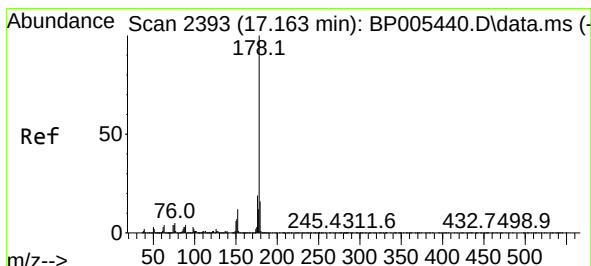
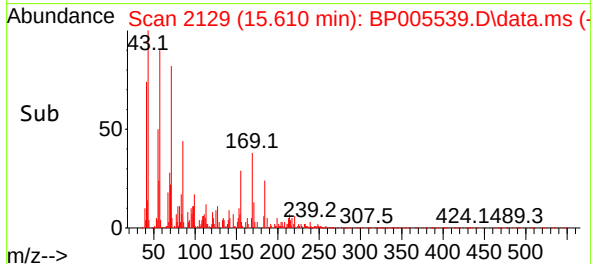
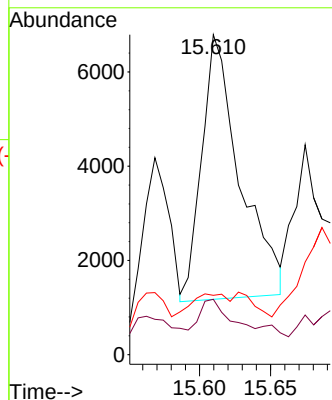
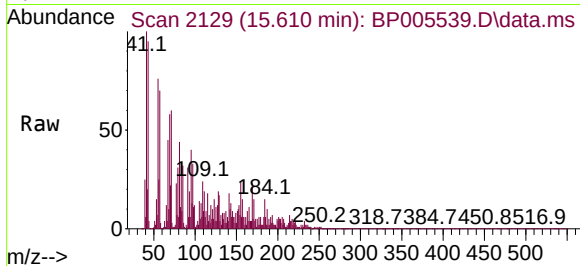




#66
n-Nitrosodiphenylamine
Concen: 2.71 ng
RT: 15.610 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

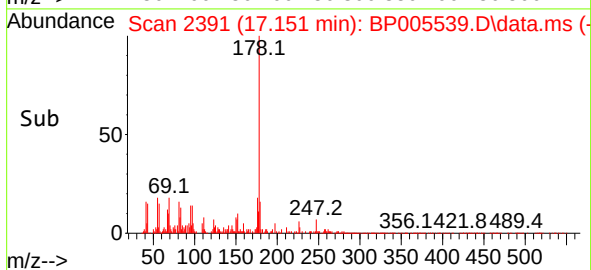
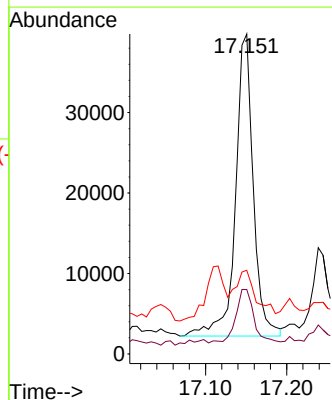
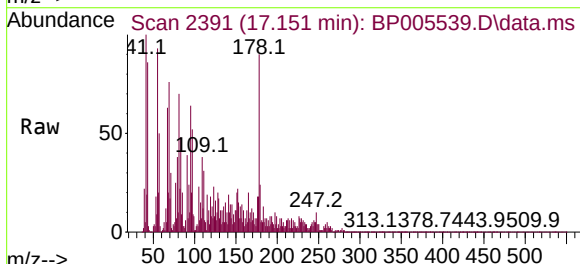
Instrument :
BNA_P
ClientSampleId :
RBR-200032

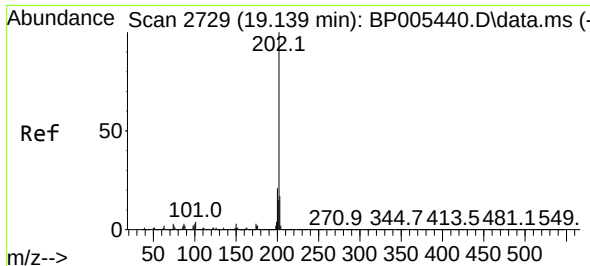
Tgt Ion:	169	Resp:	10495
Ion Ratio	Lower	Upper	
169	100		
168	17.3	55.2	82.8#
167	18.5	36.6	54.8#



#71
Phenanthrene
Concen: 7.56 ng
RT: 17.151 min Scan# 2391
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:	178	Resp:	56996
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.4	23.2
179	26.2	12.3	18.5#

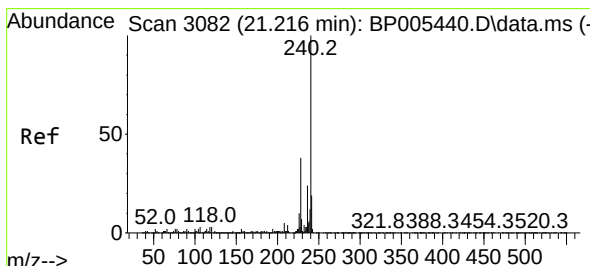
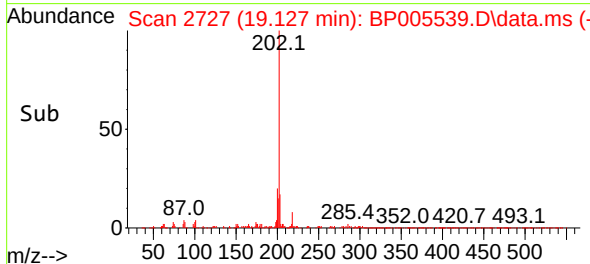
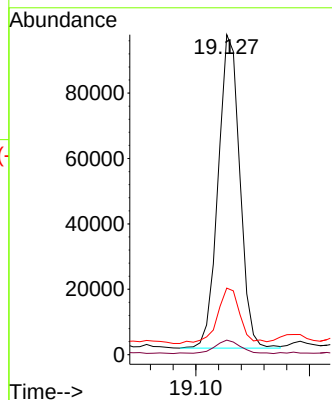
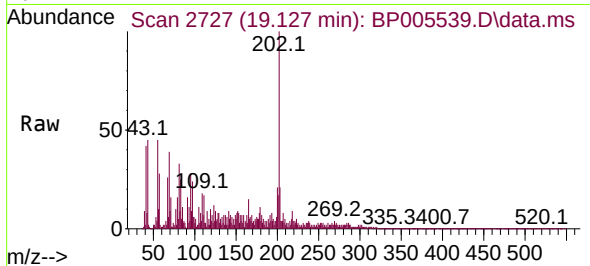




#75
Fluoranthene
Concen: 12.27 ng
RT: 19.127 min Scan# 2727
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

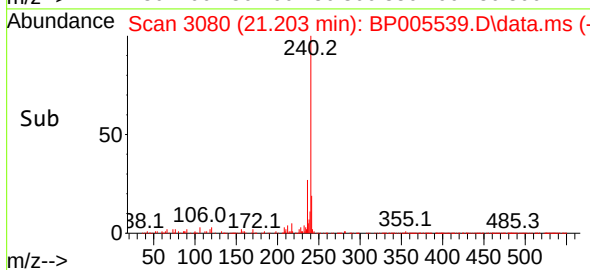
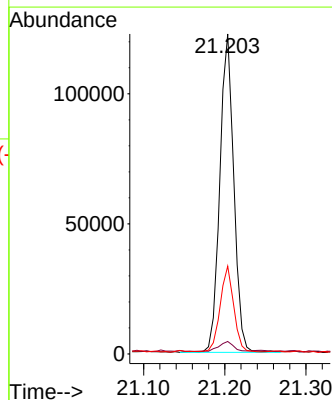
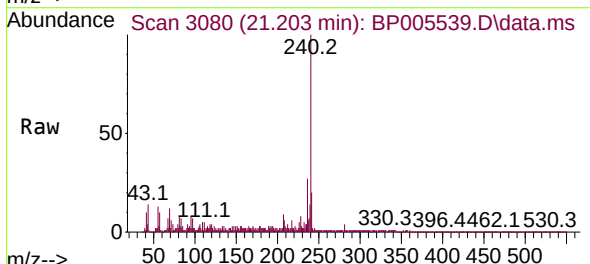
Instrument :
BNA_P
ClientSampleId :
RBR-200032

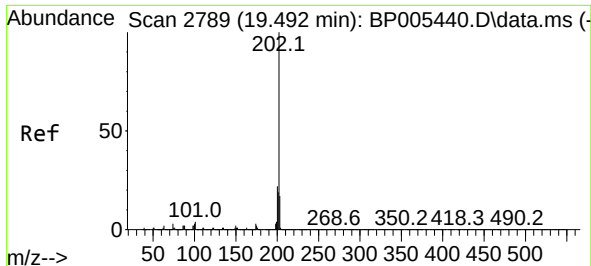
Tgt Ion:	202	Resp:	127208
Ion Ratio	Lower	Upper	
202	100		
101	4.5	0.0	26.1
203	20.8	0.0	37.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.203 min Scan# 3080
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:	240	Resp:	146934
Ion Ratio	Lower	Upper	
240	100		
120	3.9	4.2	6.2#
236	27.4	20.2	30.2

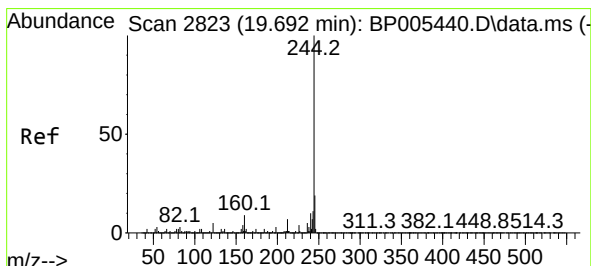
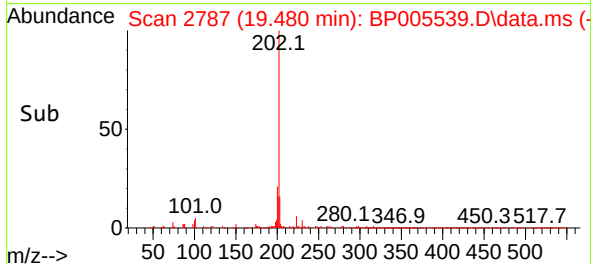
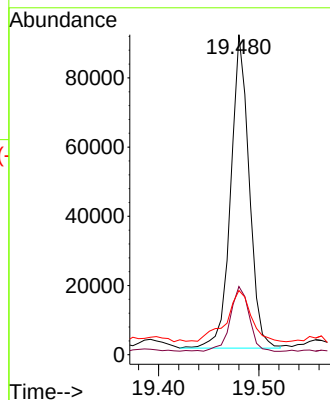
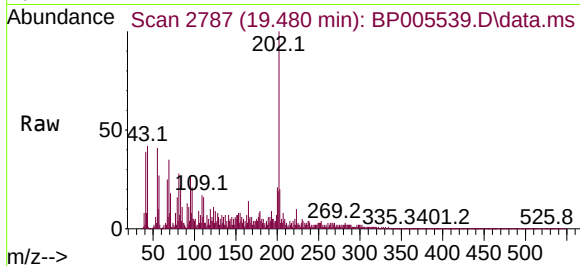




#78
Pyrene
Concen: 13.92 ng
RT: 19.480 min Scan# 2787
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

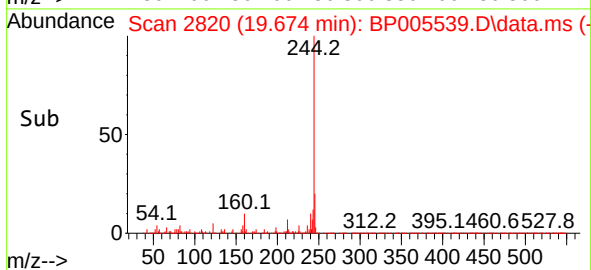
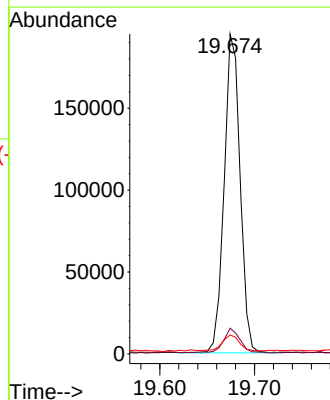
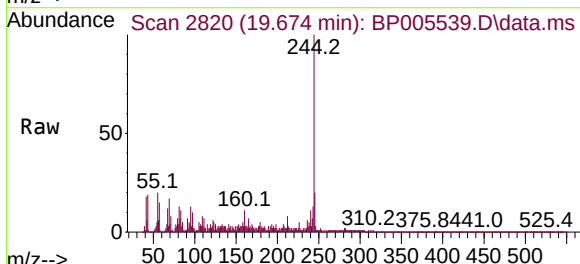
Instrument :
BNA_P
ClientSampleId :
RBR-200032

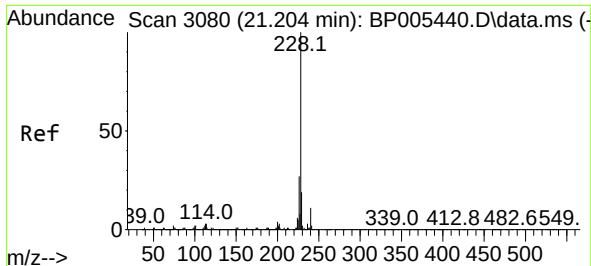
Tgt Ion:	202	Resp:	115799
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	20.1	13.8	20.6



#79
Terphenyl-d14
Concen: 26.33 ng
RT: 19.674 min Scan# 2820
Delta R.T. 0.005 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:	244	Resp:	227846
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.8	8.6
122	5.9	5.2	7.8

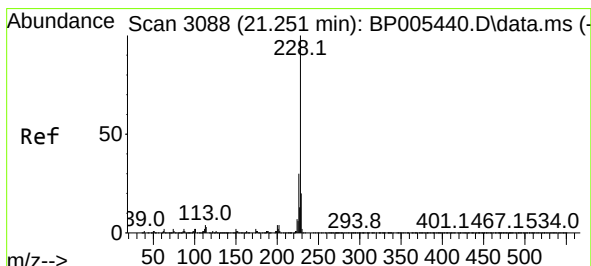
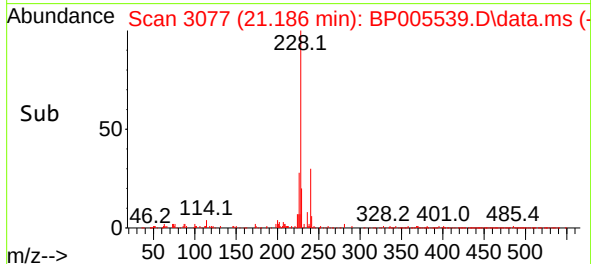
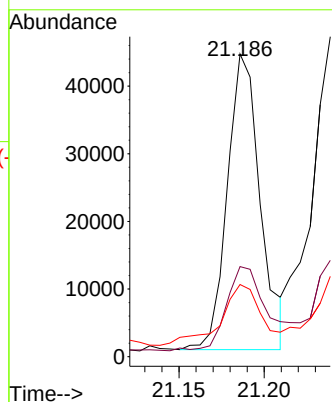
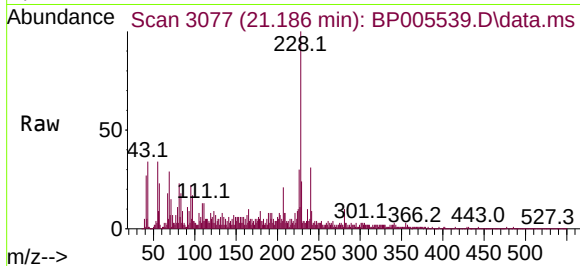




#81
Benzo(a)anthracene
Concen: 6.16 ng
RT: 21.186 min Scan# 3077
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

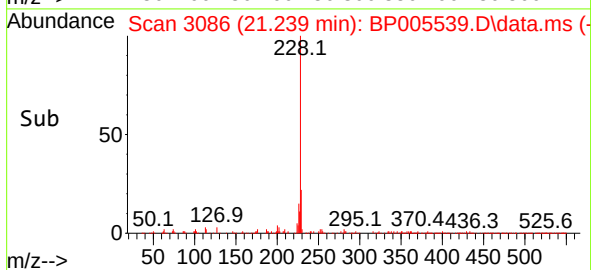
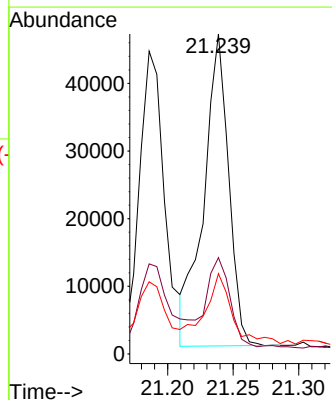
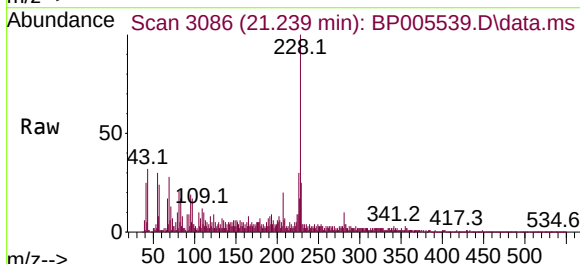
Instrument :
BNA_P
ClientSampleId :
RBR-200032

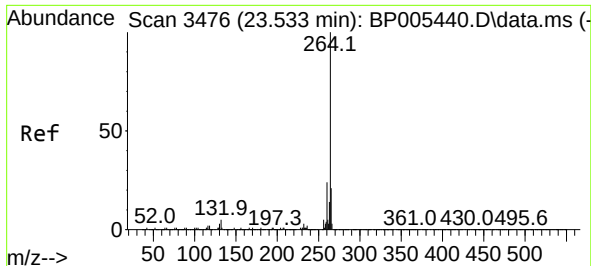
Tgt Ion:228 Resp: 58607
Ion Ratio Lower Upper
228 100
226 29.8 21.2 31.8
229 23.8 15.6 23.4#



#83
Chrysene
Concen: 6.62 ng
RT: 21.239 min Scan# 3086
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:228 Resp: 61055
Ion Ratio Lower Upper
228 100
226 30.1 24.8 37.2
229 25.1 15.4 23.0#

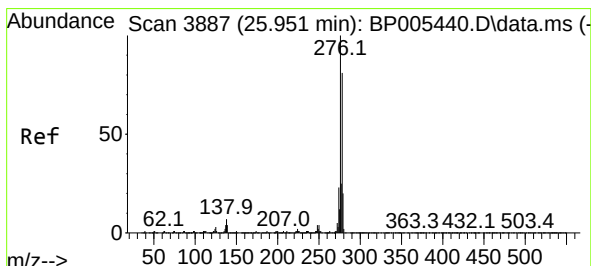
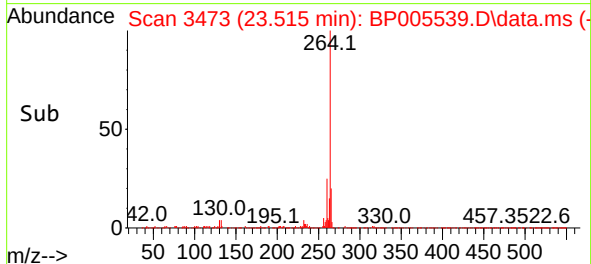
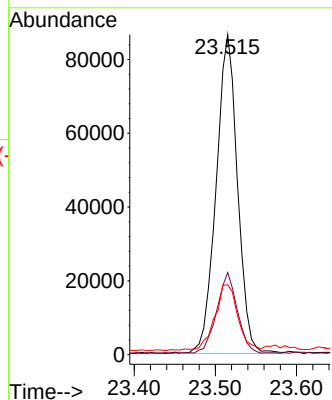
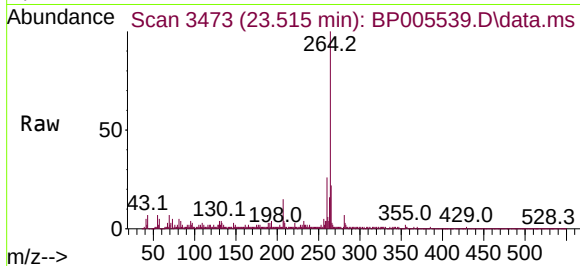




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

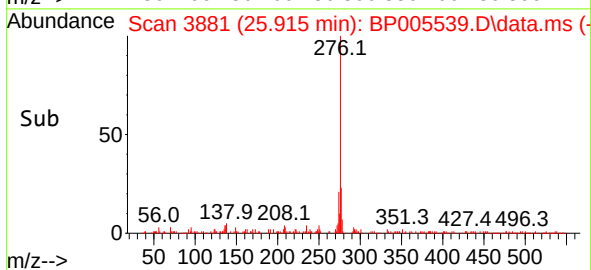
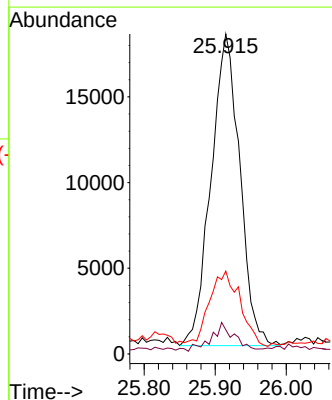
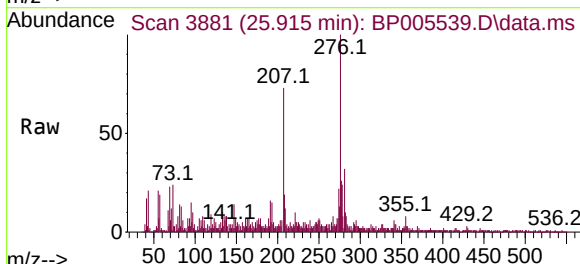
Instrument :
BNA_P
ClientSampleId :
RBR-200032

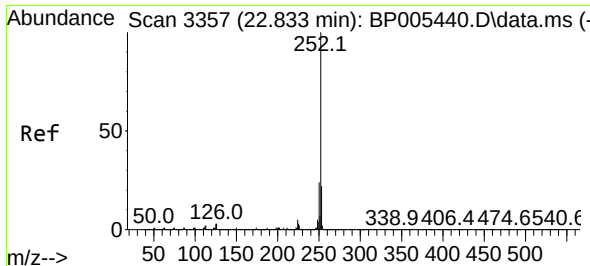
Tgt Ion:	264	Resp:	157877
Ion Ratio	Lower	Upper	
264	100		
260	25.6	20.6	30.8
265	21.8	19.0	28.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.86 ng
RT: 25.915 min Scan# 3881
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:	276	Resp:	51248
Ion Ratio	Lower	Upper	
276	100		
138	6.0	8.4	12.6#
277	26.1	20.6	31.0

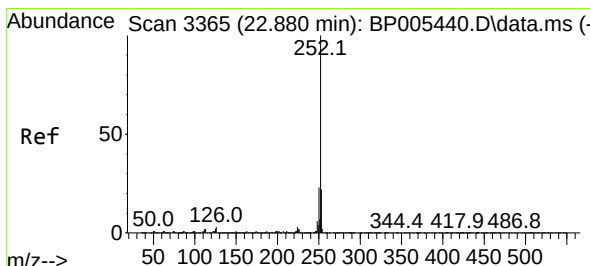
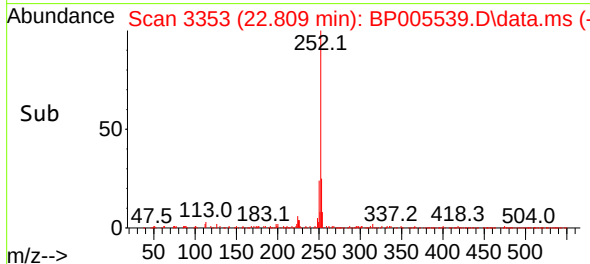
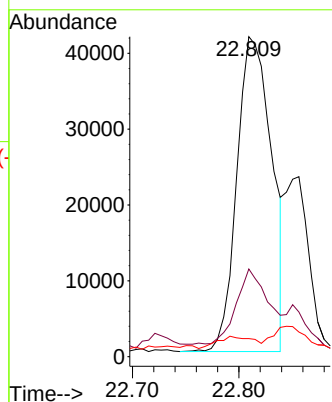
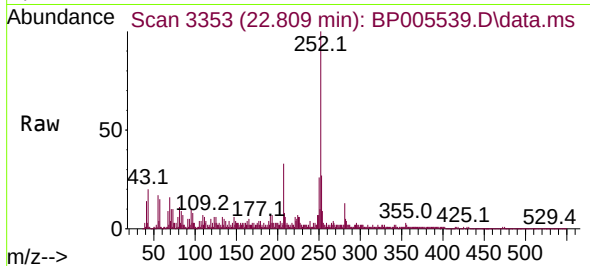




#88
Benzo(b)fluoranthene
Concen: 8.98 ng
RT: 22.809 min Scan# 3353
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

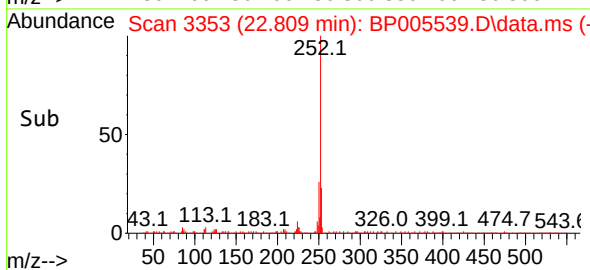
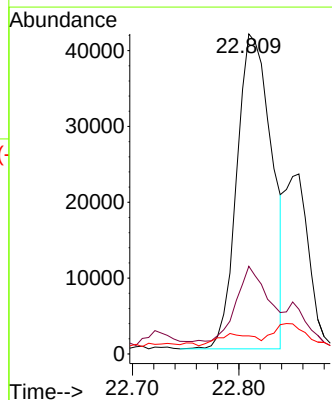
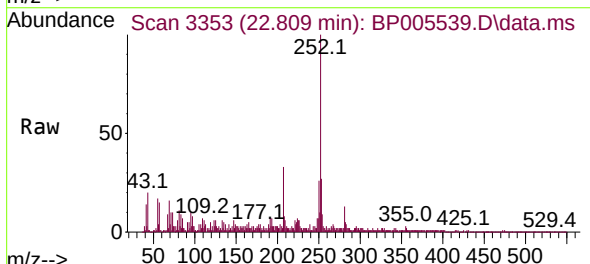
Instrument :
BNA_P
ClientSampleId :
RBR-200032

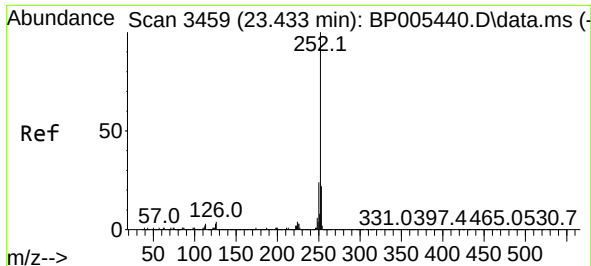
Tgt Ion:252 Resp: 94477
Ion Ratio Lower Upper
252 100
253 27.4 18.2 27.2#
125 5.6 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 9.18 ng
RT: 22.809 min Scan# 3353
Delta R.T. -0.036 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:252 Resp: 94477
Ion Ratio Lower Upper
252 100
253 27.4 17.2 25.8#
125 5.6 3.8 5.6

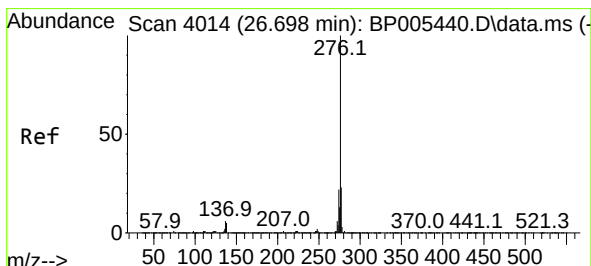
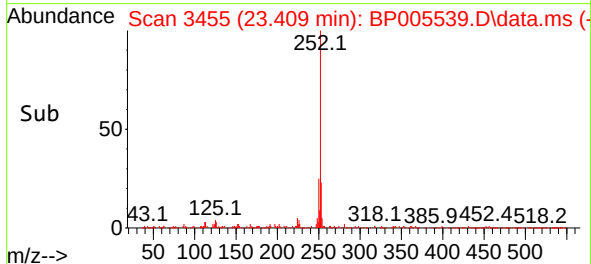
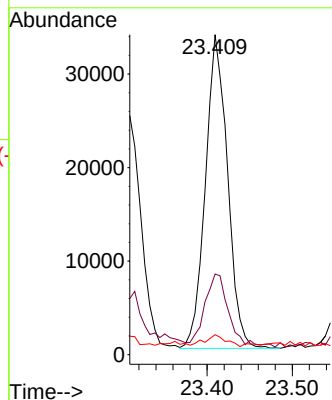
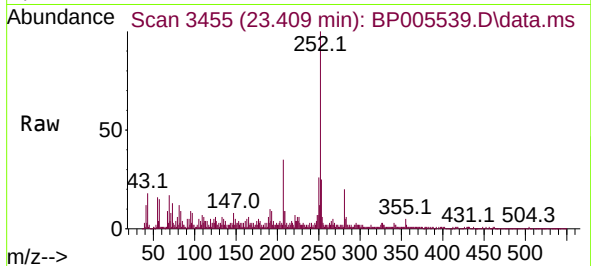




#90
Benzo(a)pyrene
Concen: 6.26 ng
RT: 23.409 min Scan# 3455
Delta R.T. 0.011 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Instrument :
BNA_P
ClientSampleId :
RBR-200032

Tgt Ion:252 Resp: 60390
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 6.3 3.8 5.6#



#92
Benzo(g,h,i)perylene
Concen: 4.72 ng
RT: 26.656 min Scan# 4007
Delta R.T. 0.017 min
Lab File: BP005539.D
Acq: 14 May 2021 02:13

Tgt Ion:276 Resp: 51167
Ion Ratio Lower Upper
276 100
277 28.3 19.8 29.8
138 7.4 7.7 11.5#

