

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100520\
 Data File : BP003504.D
 Acq On : 05 Oct 2020 23:01
 Operator : CG/JU
 Sample : L4230-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-29

Quant Time: Oct 06 04:21:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 14:33:14 2020
 Response via : Initial Calibration

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

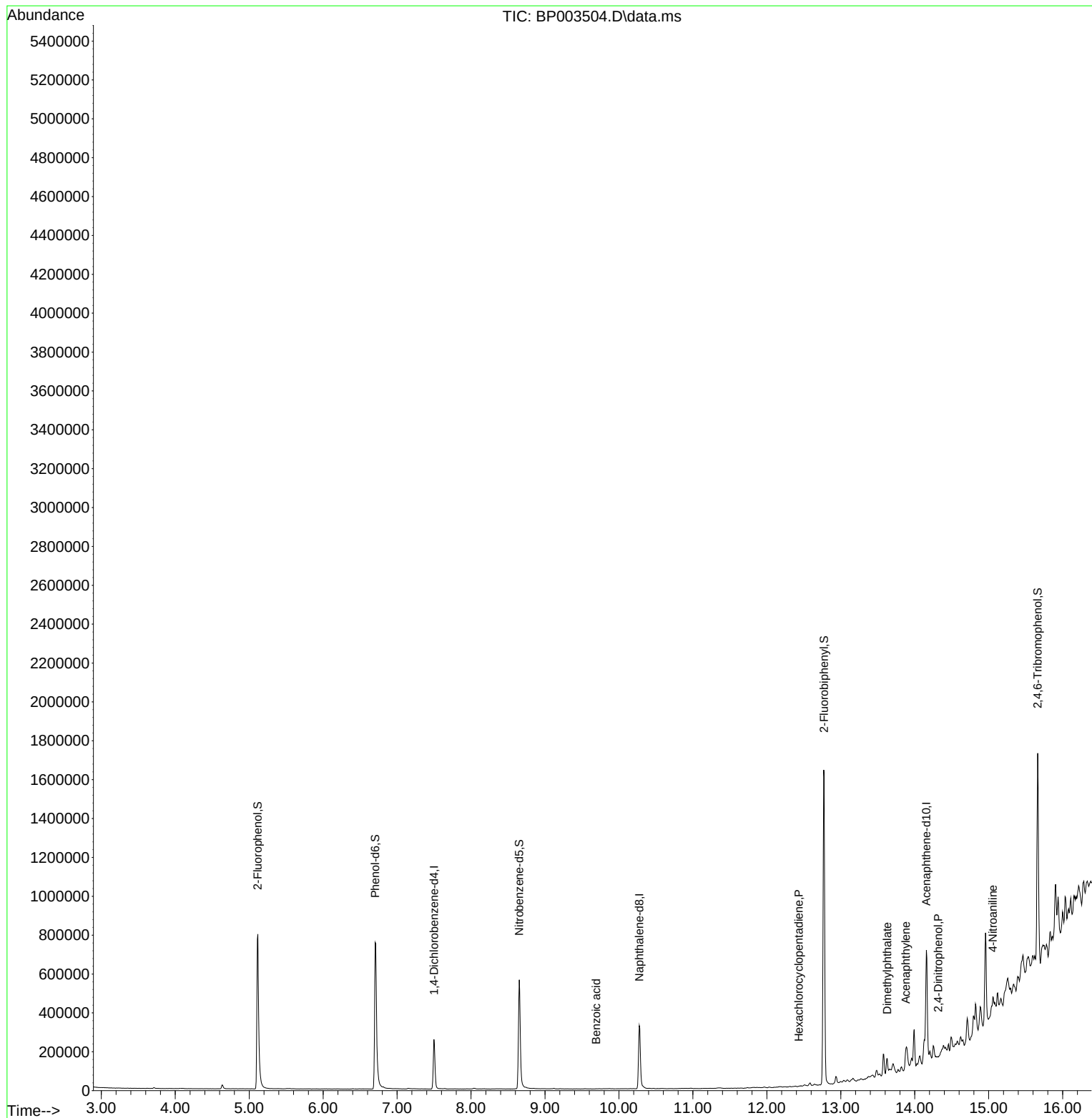
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.499	152	70877	20.00	ng	0.00
21) Naphthalene-d8	10.275	136	295377	20.00	ng	# 0.00
39) Acenaphthene-d10	14.157	164	182961	20.00	ng	0.00
64) Phenanthrene-d10	16.916	188	332016	20.00	ng	# 0.00
76) Chrysene-d12	21.027	240	464704	20.00	ng	0.00
86) Perylene-d12	23.198	264	552180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.116	112	435795	107.36	ng	0.00
7) Phenol-d6	6.705	99	572450	105.81	ng	0.00
23) Nitrobenzene-d5	8.651	82	384888	76.55	ng	0.00
42) 2,4,6-Tribromophenol	15.663	330	225692	80.88	ng	0.00
45) 2-Fluorobiphenyl	12.775	172	848833	67.85	ng	0.00
79) Terphenyl-d14	19.504	244	1295078	58.07	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.693	122	56	9.17	ng	# 1
41) Hexachlorocyclopentadiene	12.434	237	8	6.84	ng	84
49) Acenaphthylene	13.881	152	64124	3.71	ng	96
50) Dimethylphthalate	13.628	163	54707	3.74	ng	98
54) 2,4-Dinitrophenol	14.316	184	20	7.26	ng	# 1
62) 4-Nitroaniline	15.057	138	8802	2.44	ng	85
70) Pentachlorophenol	16.604	266	125	6.83	ng	# 18
71) Phenanthrene	16.963	178	107623	5.96	ng	# 83
72) Anthracene	17.057	178	35781	2.01	ng	# 68
75) Fluoranthene	18.951	202	368482	16.22	ng	97
78) Pyrene	19.304	202	345406	11.92	ng	99
81) Benzo(a)anthracene	21.010	228	255847	8.52	ng	98
83) Chrysene	21.063	228	248067	8.60	ng	96
87) Indeno(1,2,3-cd)pyrene	25.398	276	245261	5.86	ng	96
88) Benzo(b)fluoranthene	22.551	252	638497	18.31	ng	98
89) Benzo(k)fluoranthene	22.551	252	638497	19.11	ng	99
90) Benzo(a)pyrene	23.104	252	313508	9.53	ng	99
92) Benzo(g,h,i)perylene	26.068	276	240685	6.98	ng	98

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

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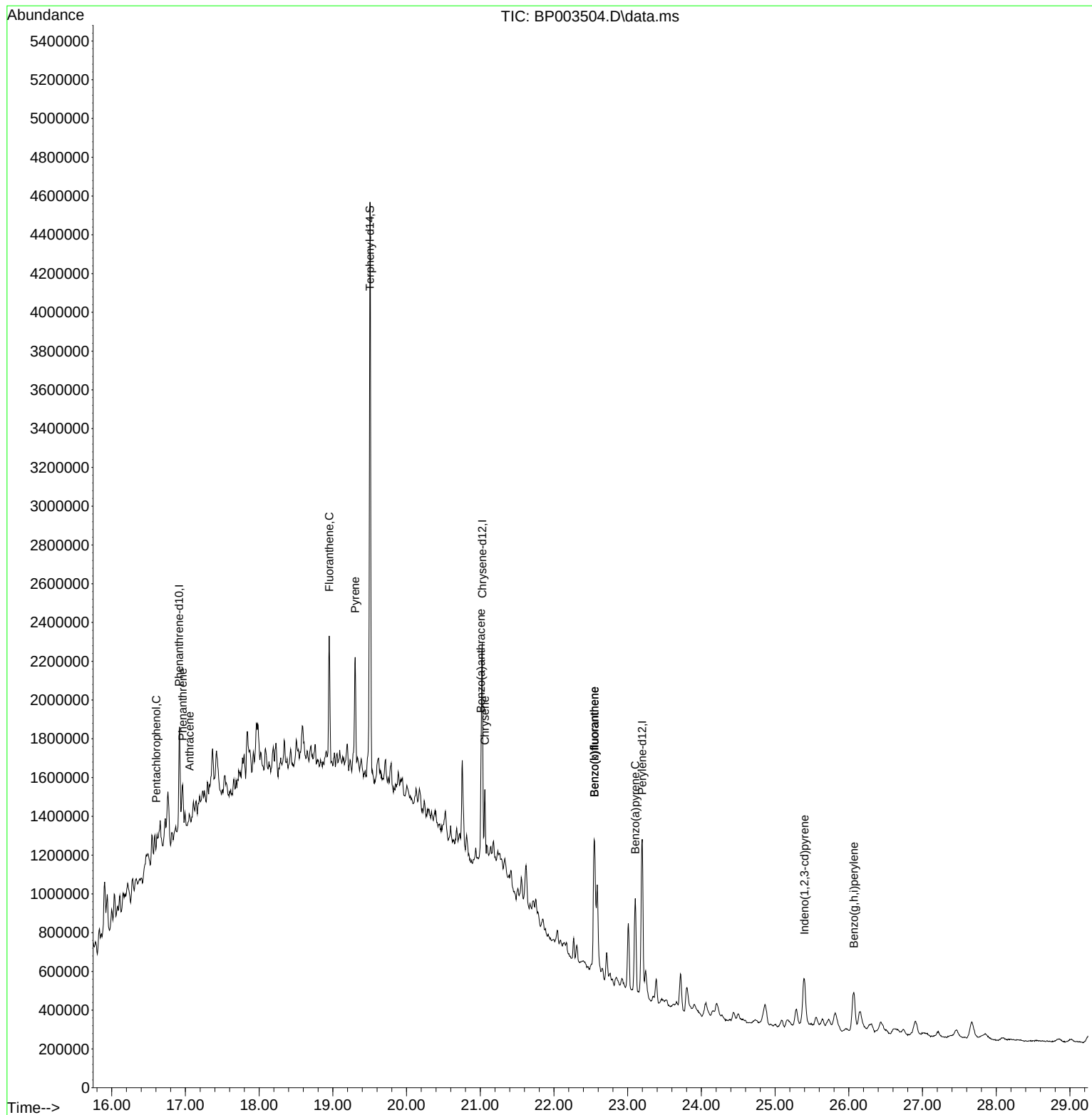
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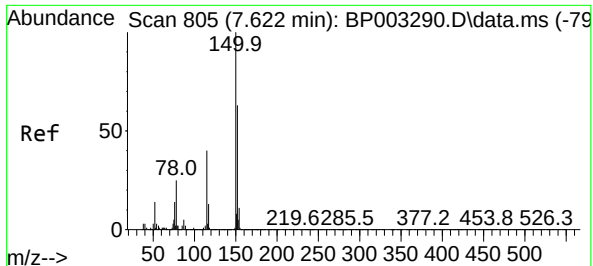


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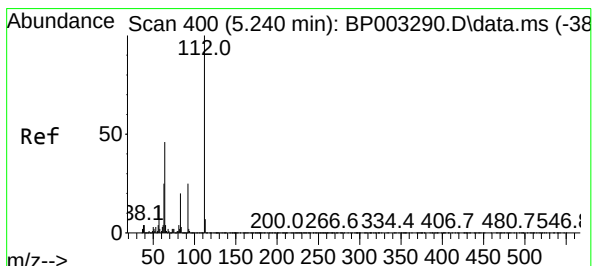
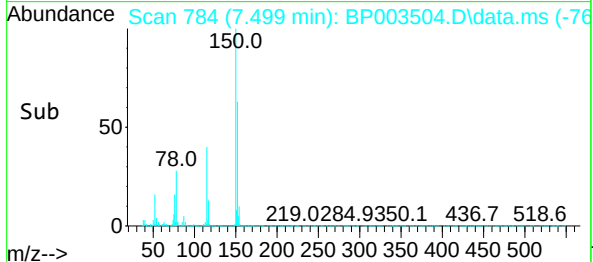
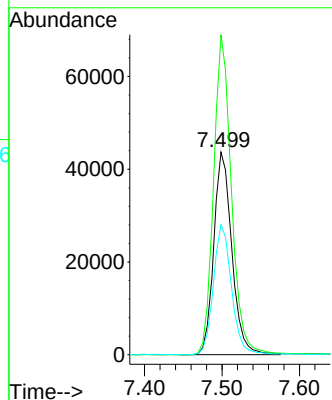
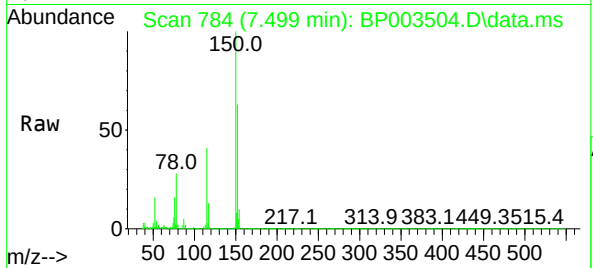




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.499 min Scan# 784
Delta R.T. 0.001 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

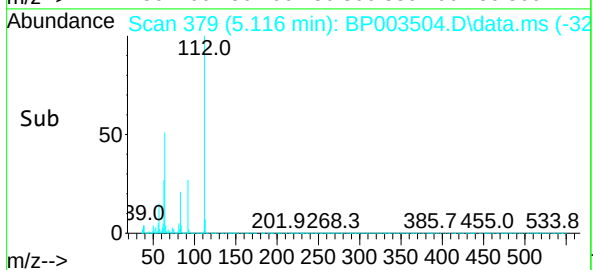
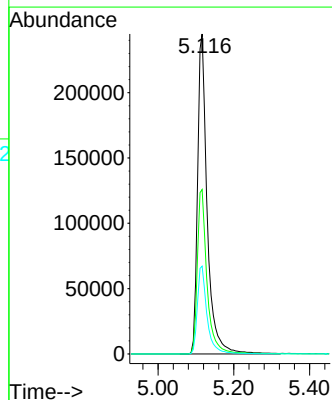
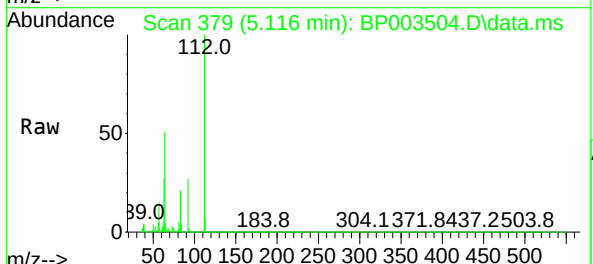
Instrument :
BNA_P
ClientSampleId :
RBR-29

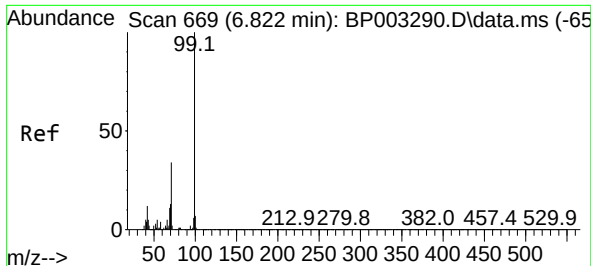
Tgt Ion:152 Resp: 70877
Ion Ratio Lower Upper
152 100
150 158.1 123.8 185.6
115 64.2 43.8 65.6



#5
2-Fluorophenol
Concen: 107.36 ng
RT: 5.116 min Scan# 379
Delta R.T. 0.006 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:112 Resp: 435795
Ion Ratio Lower Upper
112 100
64 51.4 32.8 49.2#
63 27.4 17.0 25.4#

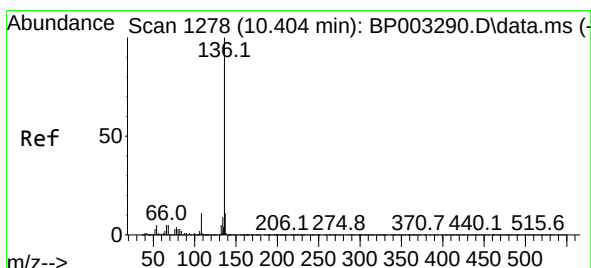
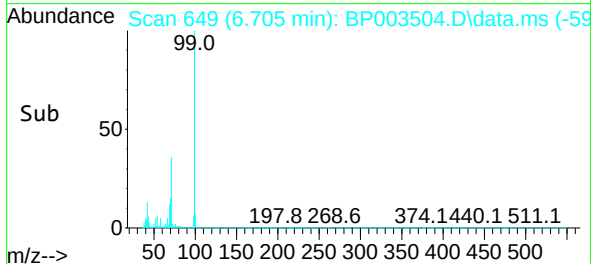
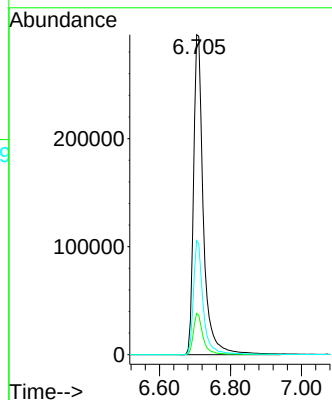
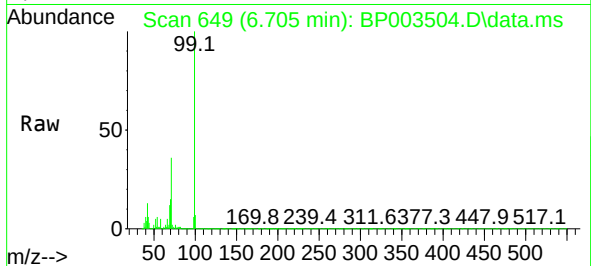




#7
Phenol-d6
Concen: 105.81 ng
RT: 6.705 min Scan# 649
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

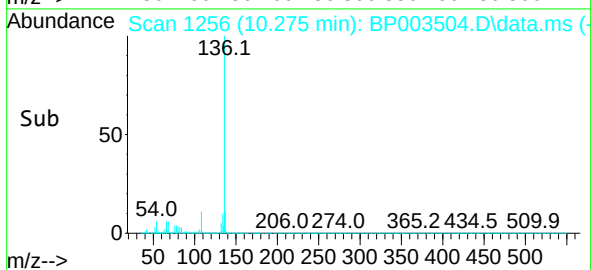
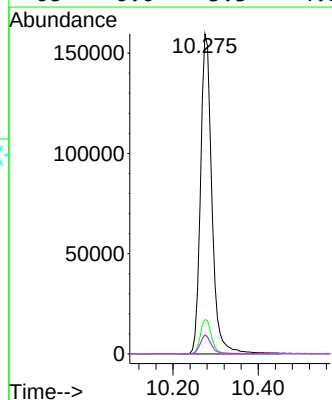
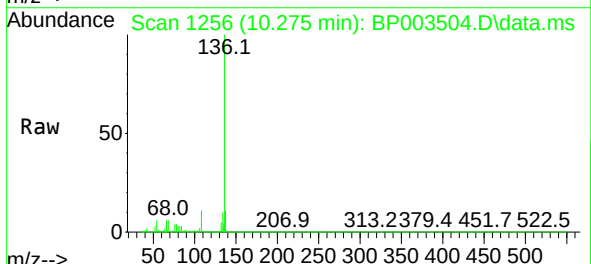
Instrument :
BNA_P
ClientSampled :
RBR-29

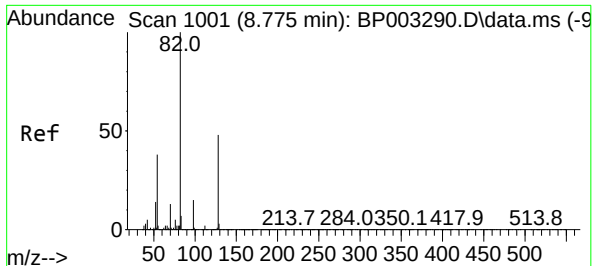
Tgt Ion: 99 Resp: 572450
Ion Ratio Lower Upper
99 100
42 12.9 8.6 13.0
71 35.6 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.275 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:136 Resp: 295377
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.9 3.6 5.4#
68 6.0 3.3 4.9#

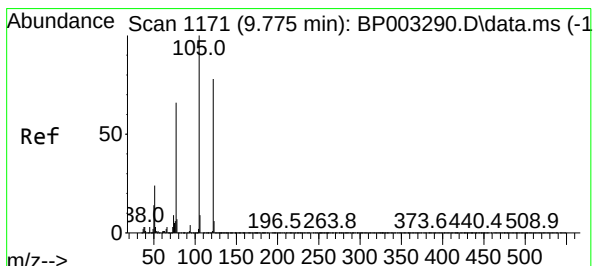
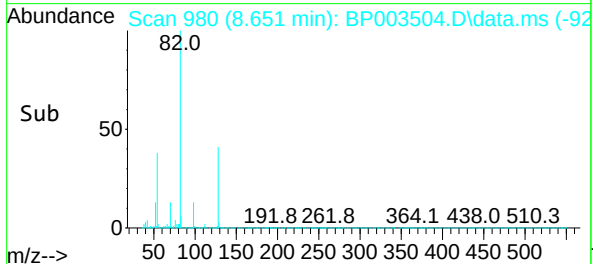
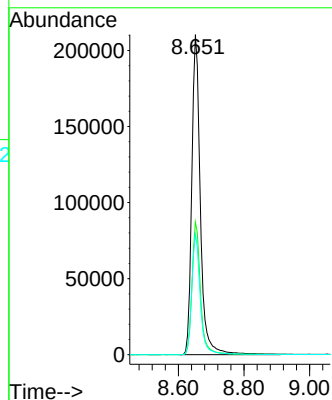
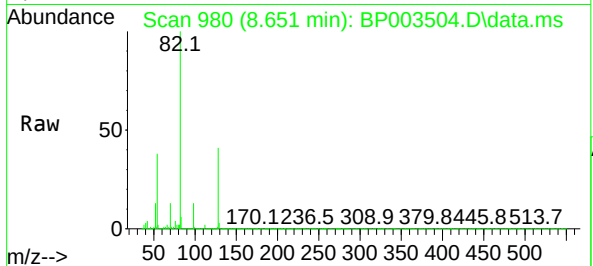




#23
Nitrobenzene-d5
Concen: 76.55 ng
RT: 8.651 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

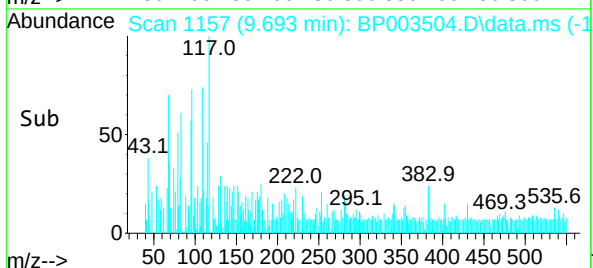
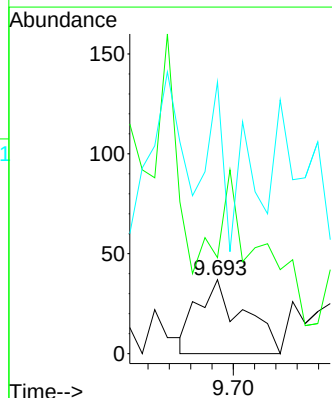
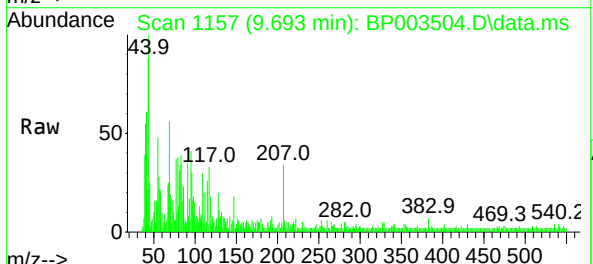
Instrument :
BNA_P
ClientSampleId :
RBR-29

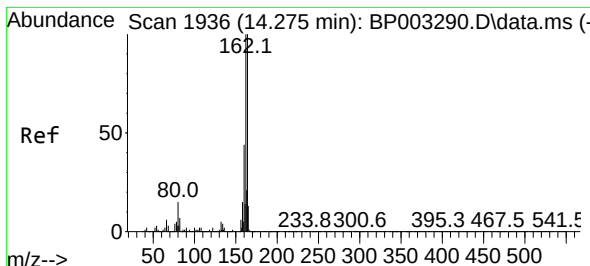
Tgt Ion: 82 Resp: 384888
Ion Ratio Lower Upper
82 100
128 41.4 45.6 68.4#
54 37.5 30.1 45.1



#32
Benzoic acid
Concen: 9.17 ng
RT: 9.693 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 129.7 94.1 134.1
77 367.6 50.1 90.1#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.157 min Scan# 1916

Delta R.T. 0.000 min

Lab File: BP003504.D

Acq: 05 Oct 2020 23:01

Instrument :

BNA_P

ClientSampleId :

RBR-29

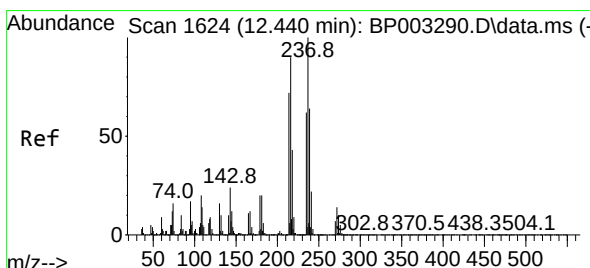
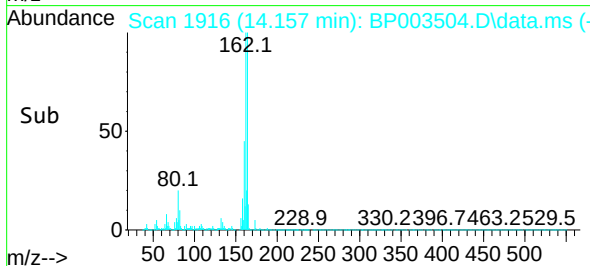
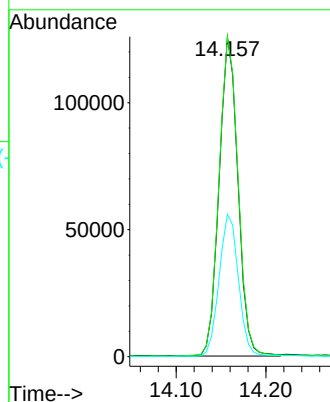
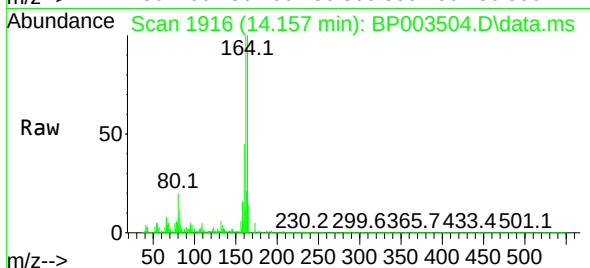
Tgt Ion:164 Resp: 182961

Ion Ratio Lower Upper

164 100

162 100.2 79.4 119.2

160 44.6 36.1 54.1



#41

Hexachlorocyclopentadiene

Concen: 6.84 ng

RT: 12.434 min Scan# 1623

Delta R.T. 0.118 min

Lab File: BP003504.D

Acq: 05 Oct 2020 23:01

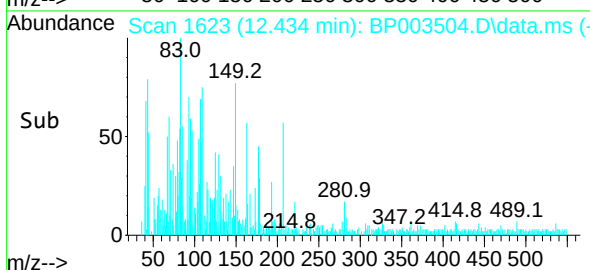
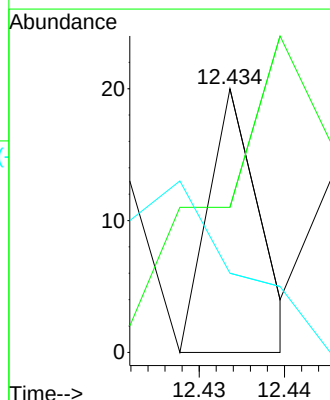
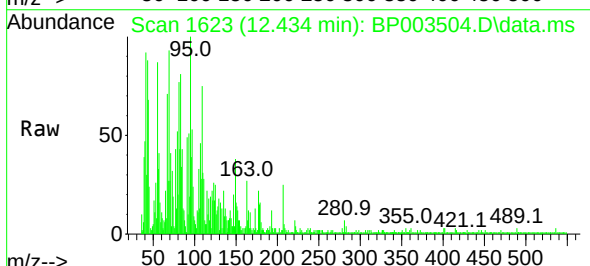
Tgt Ion:237 Resp: 8

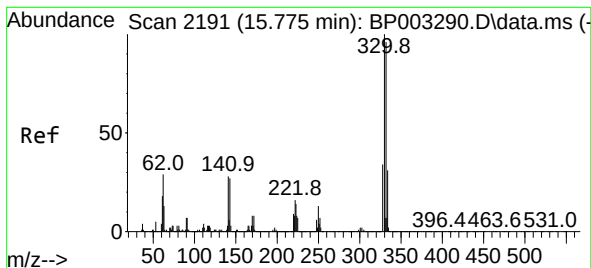
Ion Ratio Lower Upper

237 100

235 55.0 43.2 83.2

272 30.0 0.0 33.3

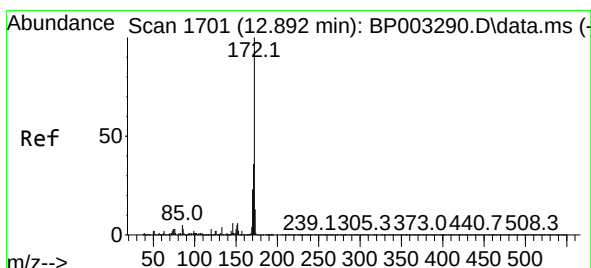
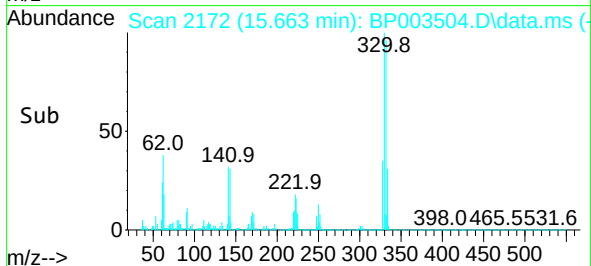
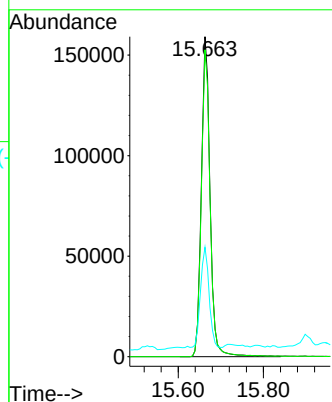
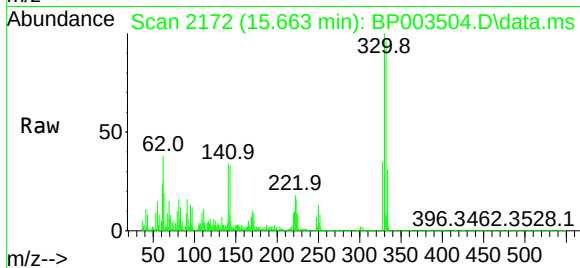




#42
2,4,6-Tribromophenol
Concen: 80.88 ng
RT: 15.663 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

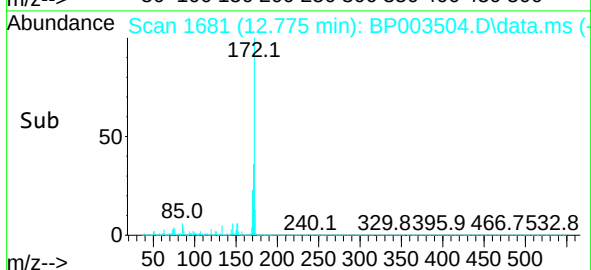
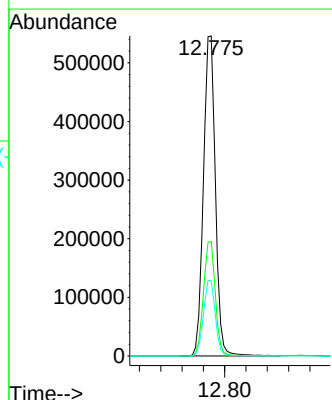
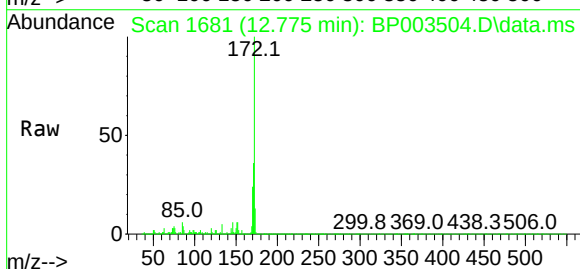
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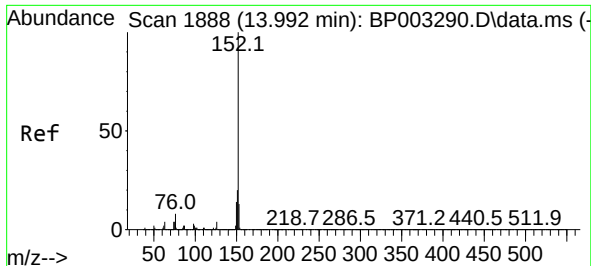
Tgt Ion:330 Resp: 225692
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 31.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 67.85 ng
RT: 12.775 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:172 Resp: 848833
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.5 19.2 28.8

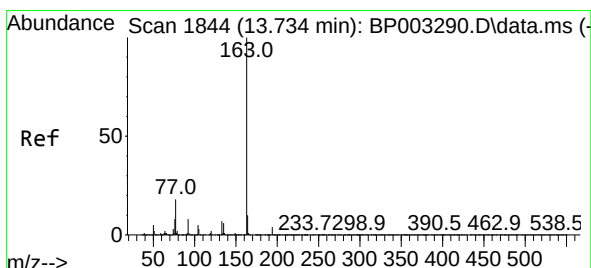
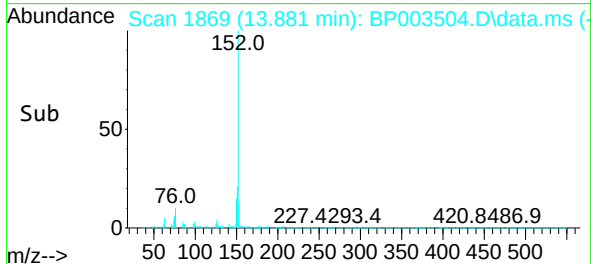
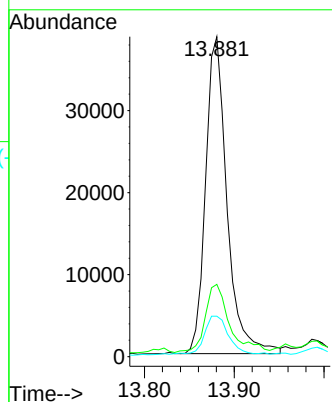
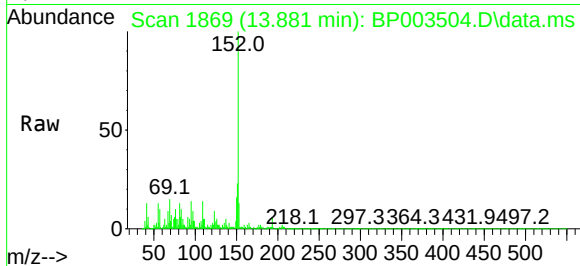




#49
Acenaphthylene
Concen: 3.71 ng
RT: 13.881 min Scan# 1869
Delta R.T. 0.006 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

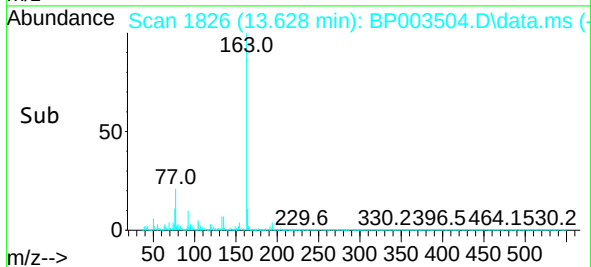
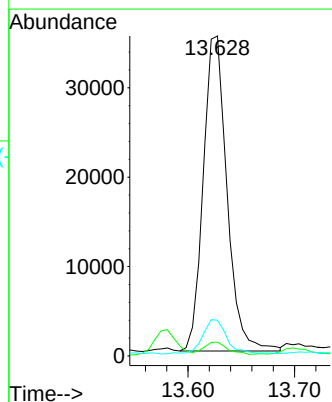
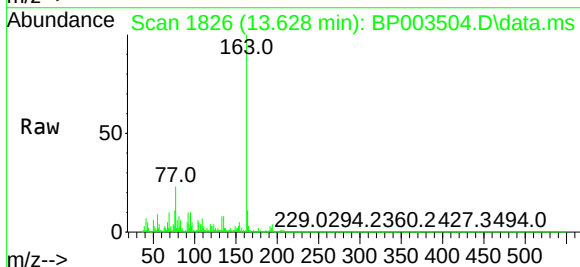
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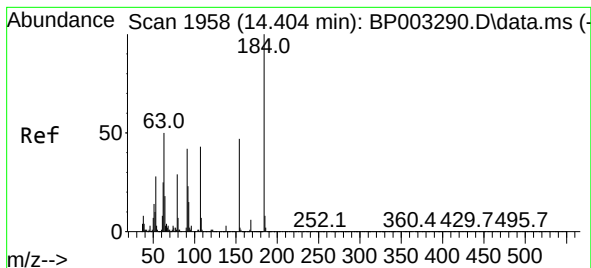
Tgt Ion:	152	Resp:	64124
Ion Ratio	Lower	Upper	
152	100		
151	22.6	15.9	23.9
153	12.7	10.5	15.7



#50
Dimethylphthalate
Concen: 3.74 ng
RT: 13.628 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:	163	Resp:	54707
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	11.2	8.2	12.2

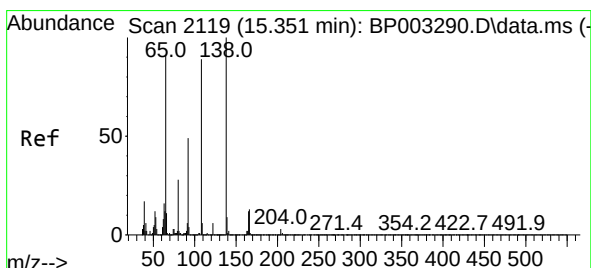
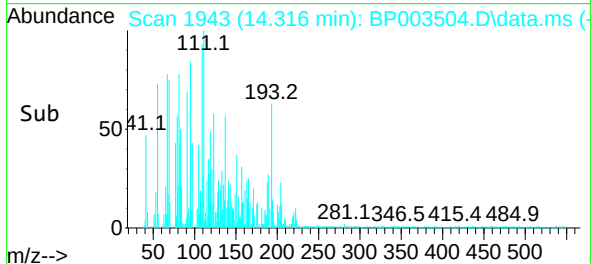
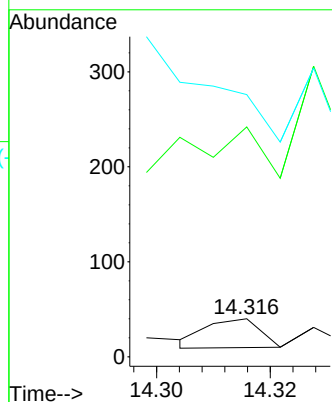
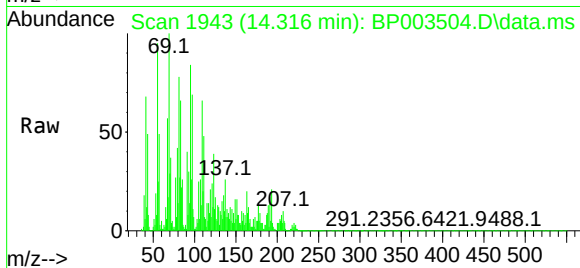




#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.316 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

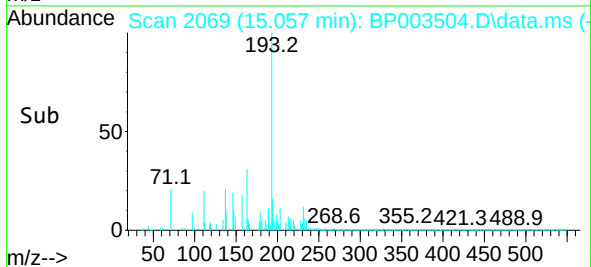
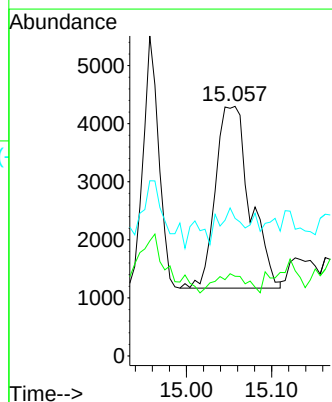
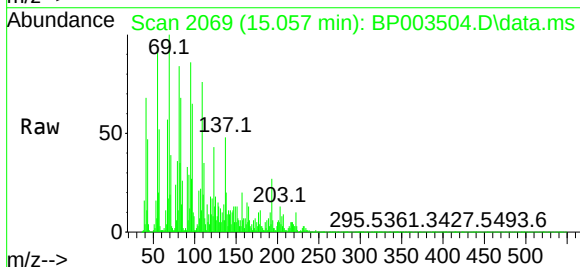
Instrument :
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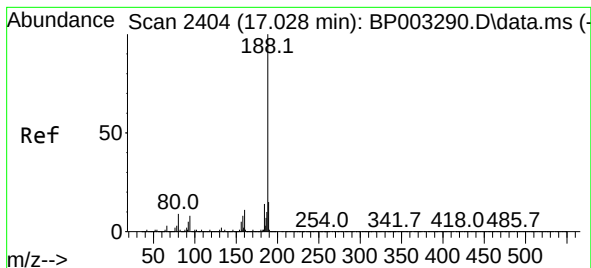
Tgt Ion:184 Resp: 20
Ion Ratio Lower Upper
184 100
63 605.0 32.3 48.5#
154 690.0 49.1 73.7#



#62
4-Nitroaniline
Concen: 2.44 ng
RT: 15.057 min Scan# 2069
Delta R.T. -0.194 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:138 Resp: 8802
Ion Ratio Lower Upper
138 100
92 31.9 20.7 60.7
108 55.2 47.8 87.8

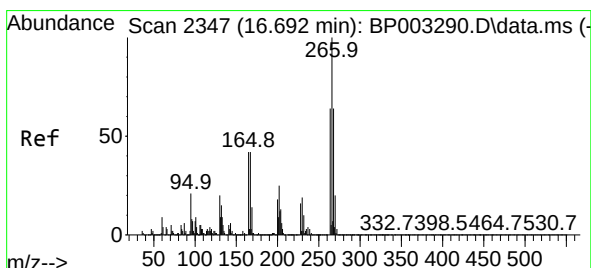
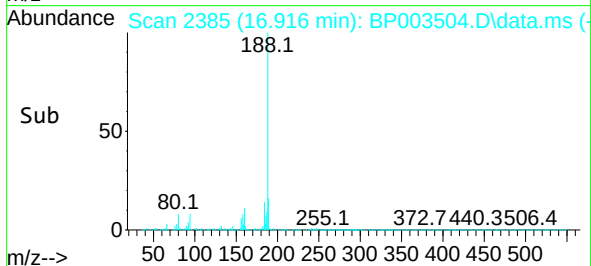
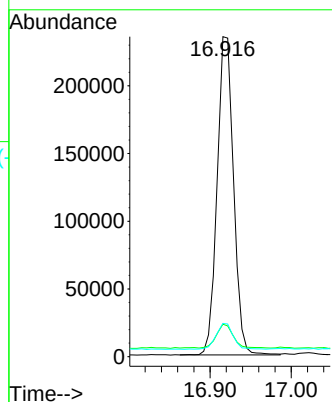
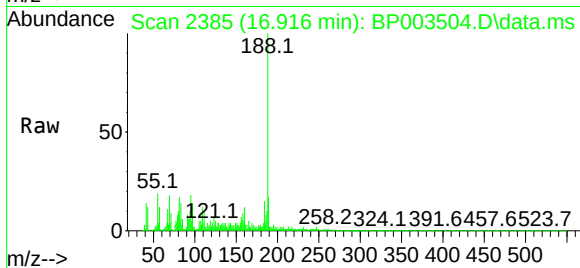




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.916 min Scan# 2385
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

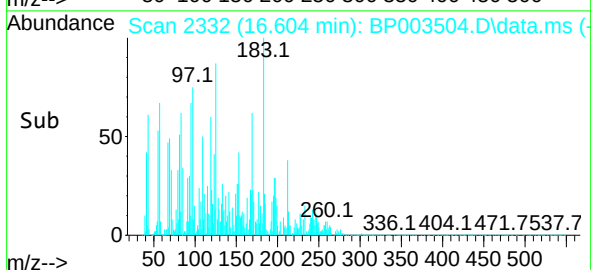
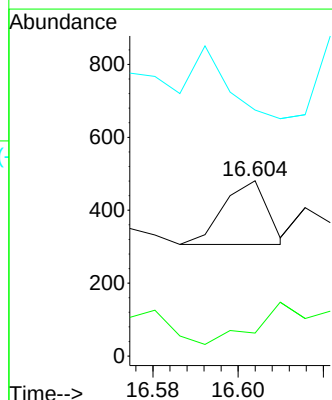
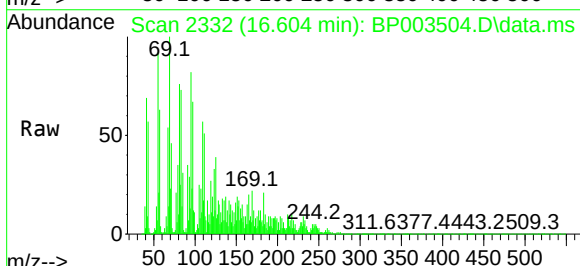
Instrument :
BNA_P
ClientSampled :
RBR-29

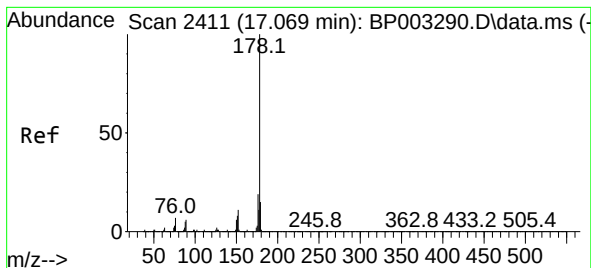
Tgt Ion:188 Resp: 332016
Ion Ratio Lower Upper
188 100
94 10.1 6.2 9.2#
80 10.4 6.2 9.2#



#70
Pentachlorophenol
Concen: 6.83 ng
RT: 16.604 min Scan# 2332
Delta R.T. 0.012 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:266 Resp: 125
Ion Ratio Lower Upper
266 100
268 13.1 51.1 76.7#
264 140.3 50.6 76.0#

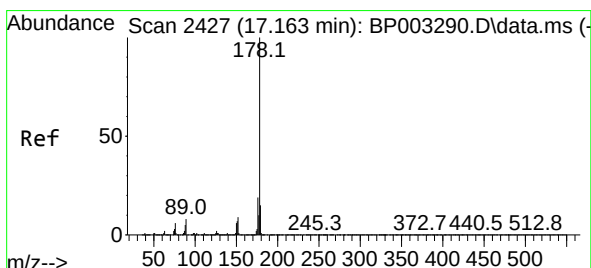
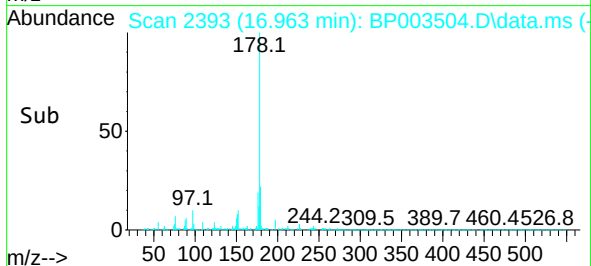
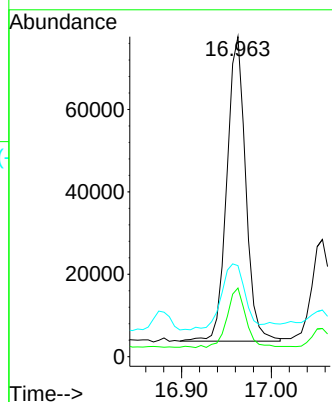
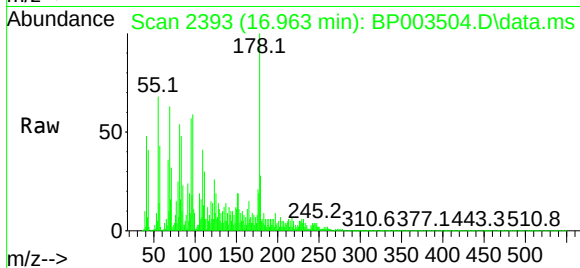




#71
Phenanthrene
Concen: 5.96 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.006 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

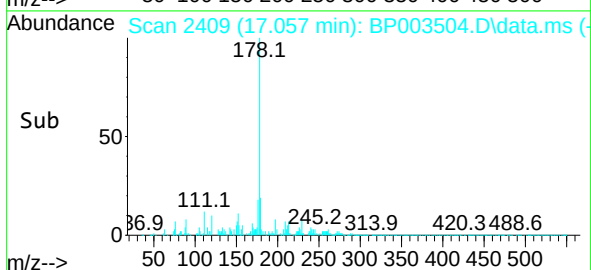
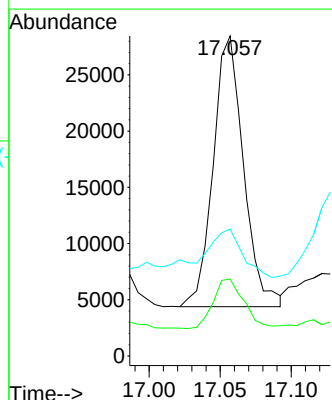
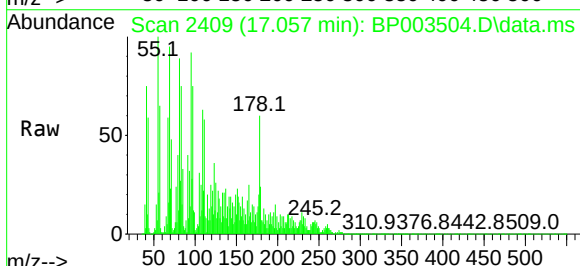
Instrument :
BNA_P
ClientSampled :
RBR-29

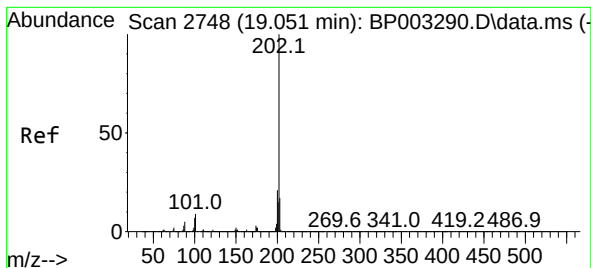
Tgt Ion:178 Resp: 107623
Ion Ratio Lower Upper
178 100
176 21.5 15.3 22.9
179 28.5 12.5 18.7#



#72
Anthracene
Concen: 2.01 ng
RT: 17.057 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:178 Resp: 35781
Ion Ratio Lower Upper
178 100
176 24.1 15.0 22.4#
179 39.6 12.5 18.7#

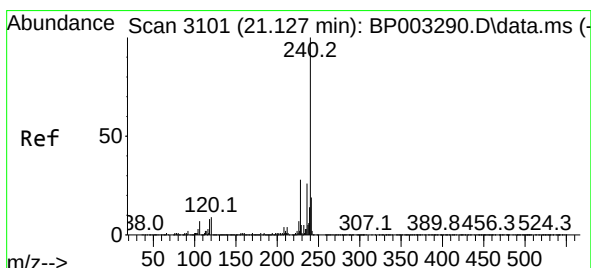
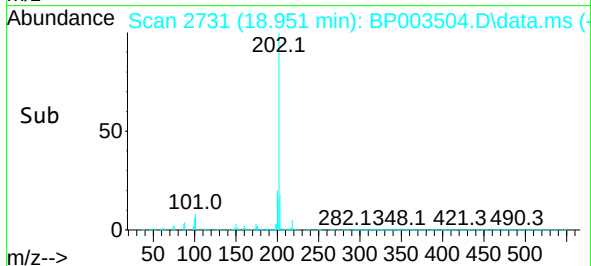
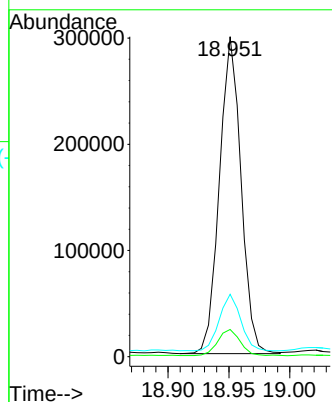
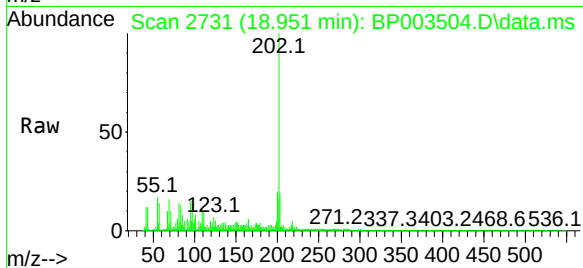




#75
Fluoranthene
Concen: 16.22 ng
RT: 18.951 min Scan# 2731
Delta R.T. 0.006 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

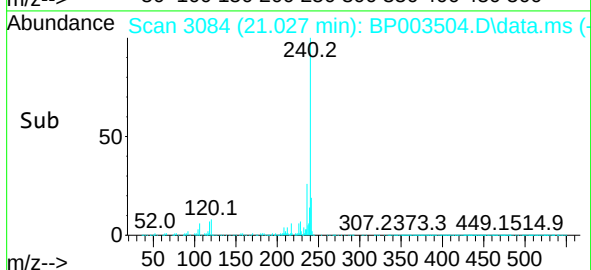
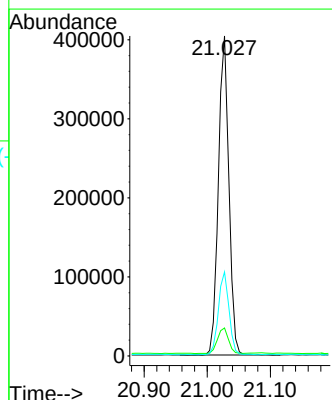
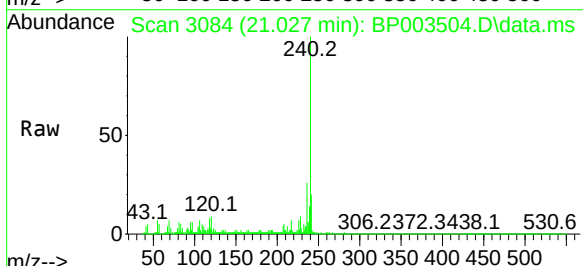
Instrument :
BNA_P
ClientSampled :
RBR-29

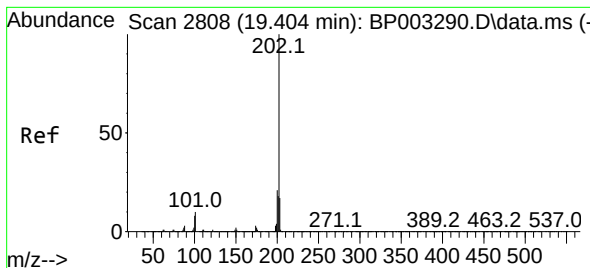
Tgt Ion:	202	Resp:	368482
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	29.4
203	19.5	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.027 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:	240	Resp:	464704
Ion Ratio	Lower	Upper	
240	100		
120	8.8	7.8	11.6
236	26.3	20.8	31.2





#78

Pyrene

Concen: 11.92 ng

RT: 19.304 min Scan# 2791

Delta R.T. 0.006 min

Lab File: BP003504.D

Acq: 05 Oct 2020 23:01

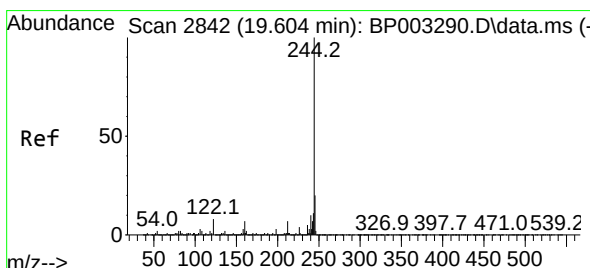
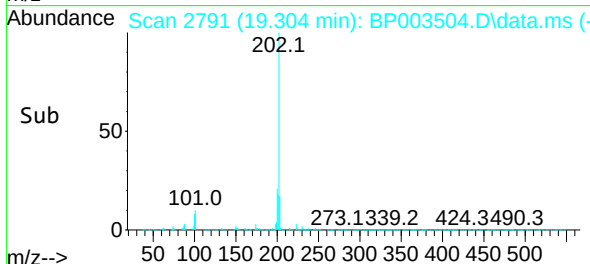
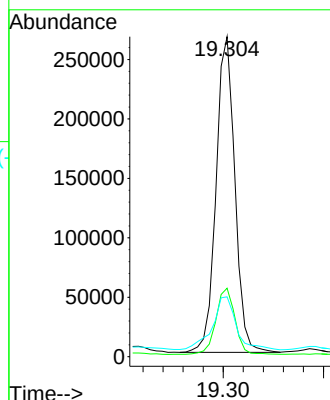
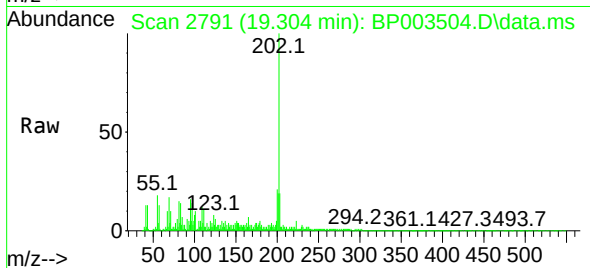
Instrument :

BNA_P

ClientSampled :

RBR-29

Tgt Ion:202	Resp:	345406
Ion Ratio	Lower	Upper
202	100	
200	21.4	17.1 25.7
203	18.7	14.2 21.2



#79

Terphenyl-d14

Concen: 58.07 ng

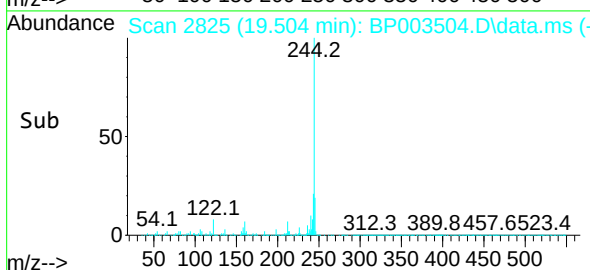
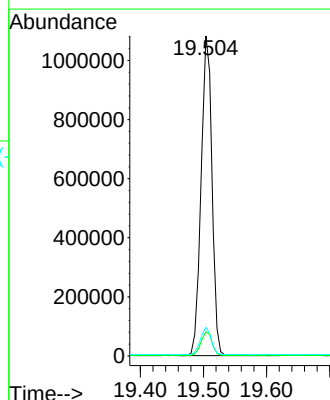
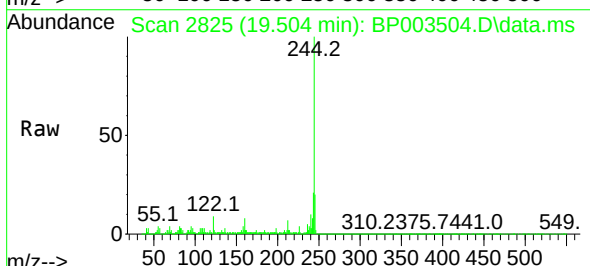
RT: 19.504 min Scan# 2825

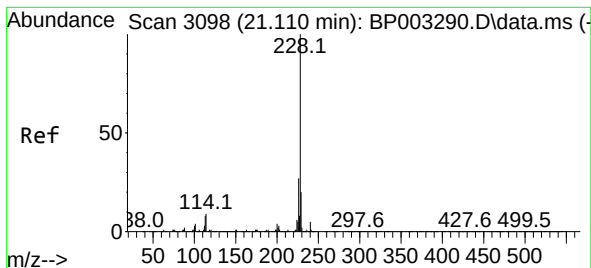
Delta R.T. 0.000 min

Lab File: BP003504.D

Acq: 05 Oct 2020 23:01

Tgt Ion:244	Resp:	1295078
Ion Ratio	Lower	Upper
244	100	
212	7.5	5.8 8.6
122	8.9	7.8 11.8

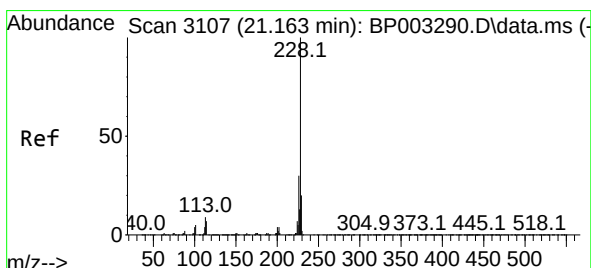
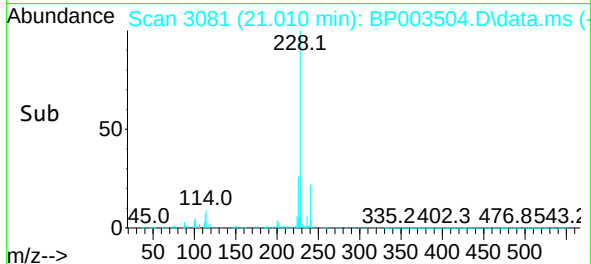
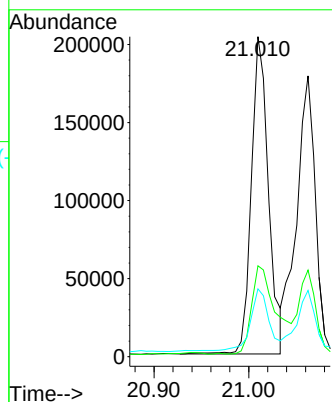
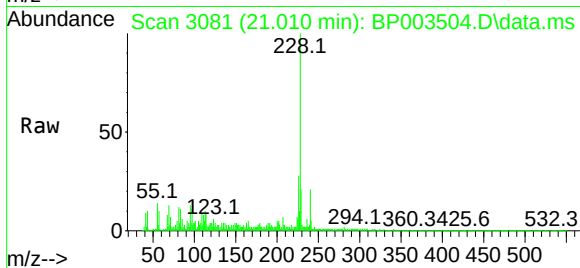




#81
Benzo(a)anthracene
Concen: 8.52 ng
RT: 21.010 min Scan# 3081
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

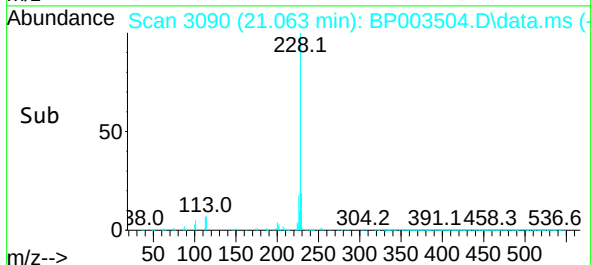
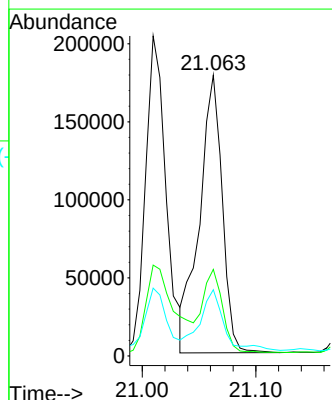
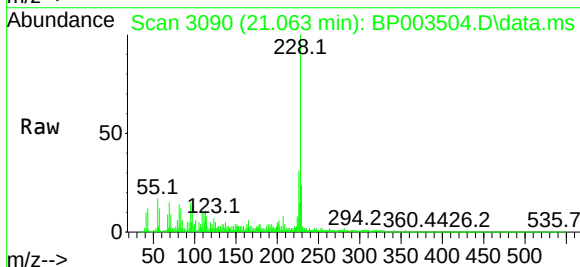
Instrument :
BNA_P
ClientSampled :
RBR-29

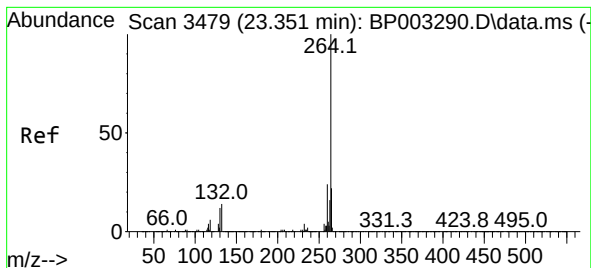
Tgt Ion:228 Resp: 255847
Ion Ratio Lower Upper
228 100
226 28.4 22.1 33.1
229 21.2 15.9 23.9



#83
Chrysene
Concen: 8.60 ng
RT: 21.063 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:228 Resp: 248067
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 23.6 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.198 min Scan# 3453

Delta R.T. 0.000 min

Lab File: BP003504.D

Acq: 05 Oct 2020 23:01

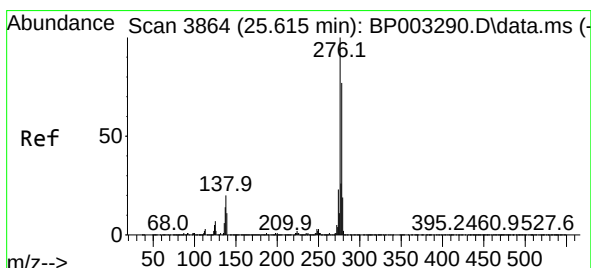
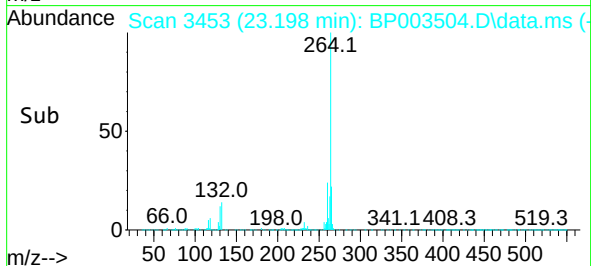
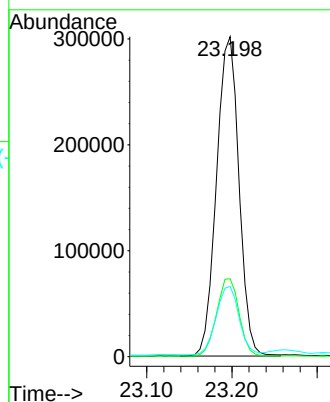
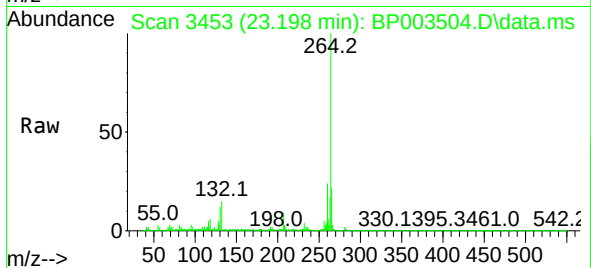
Instrument :

BNA_P

ClientSampleId :

RBR-29

Tgt Ion:264	Resp: 552180
Ion Ratio	Lower Upper
264	100
260	24.4 18.8 28.2
265	22.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.86 ng

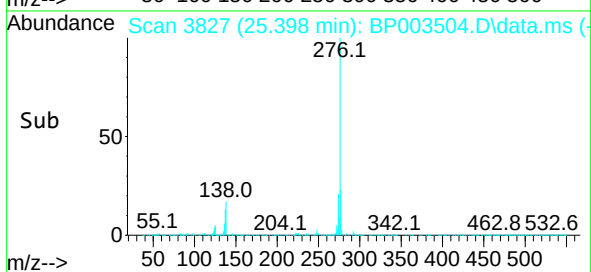
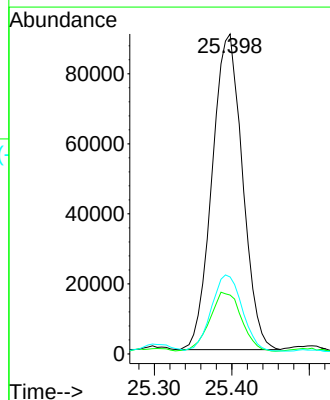
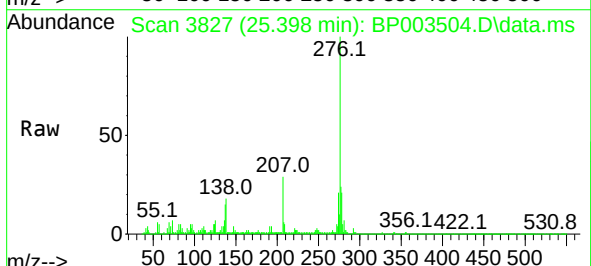
RT: 25.398 min Scan# 3827

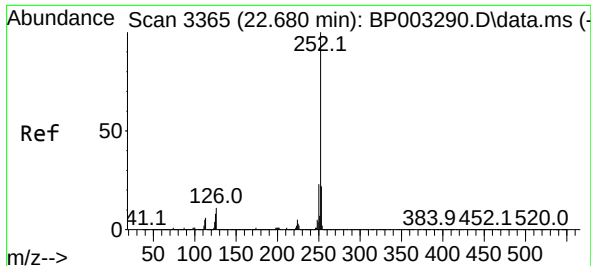
Delta R.T. 0.000 min

Lab File: BP003504.D

Acq: 05 Oct 2020 23:01

Tgt Ion:276	Resp: 245261
Ion Ratio	Lower Upper
276	100
138	19.6 18.7 28.1
277	24.8 20.4 30.6

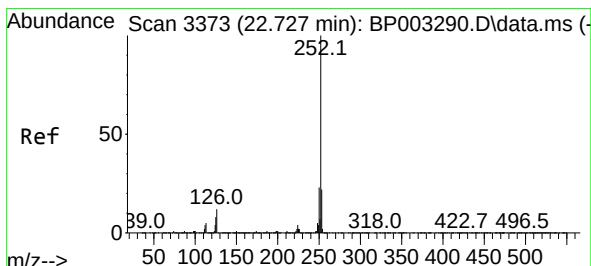
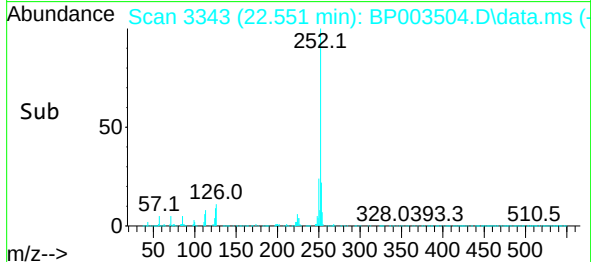
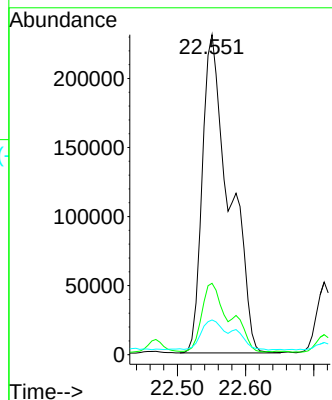
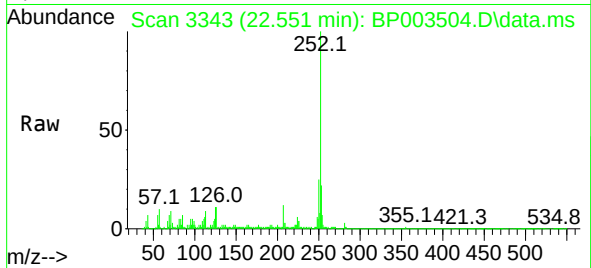




#88
Benzo(b)fluoranthene
Concen: 18.31 ng
RT: 22.551 min Scan# 3343
Delta R.T. 0.006 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

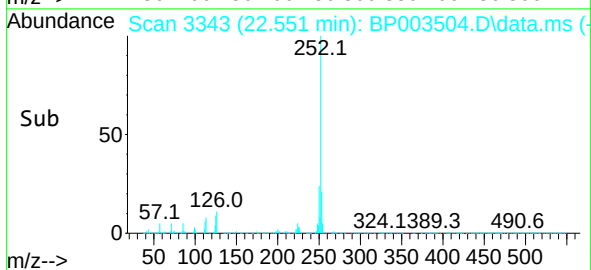
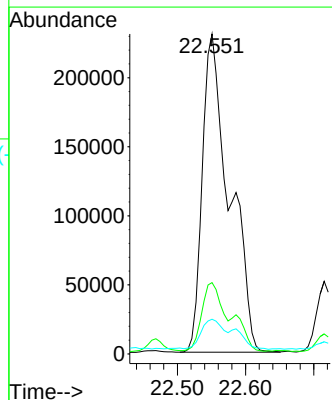
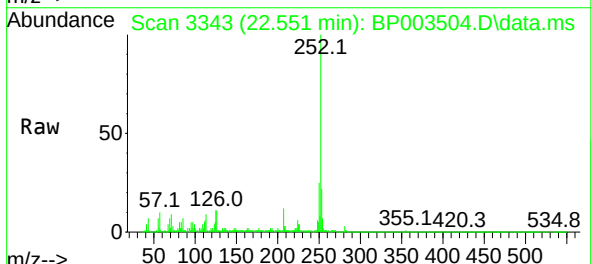
Instrument :
BNA_P
ClientSampled :
RBR-29

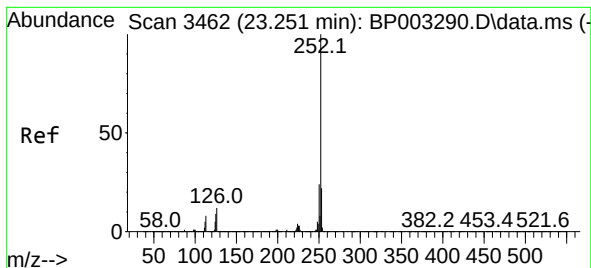
Tgt Ion:252 Resp: 638497
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 10.9 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 19.11 ng
RT: 22.551 min Scan# 3343
Delta R.T. -0.041 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:252 Resp: 638497
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.9 7.4 11.2

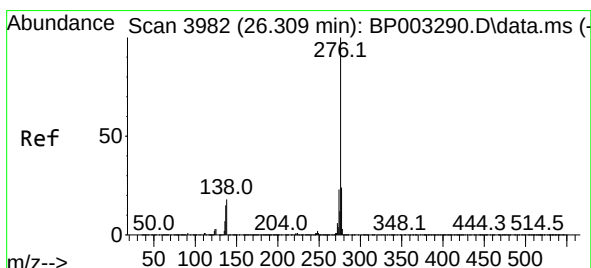
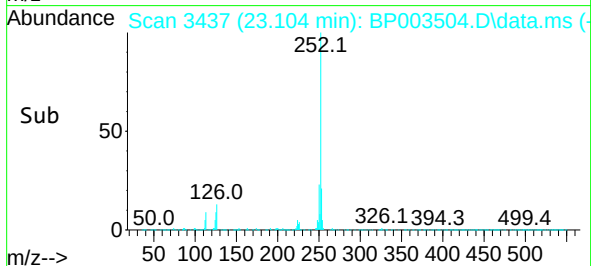
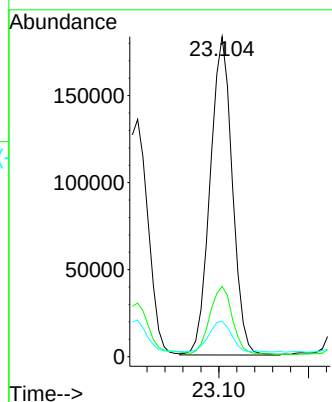
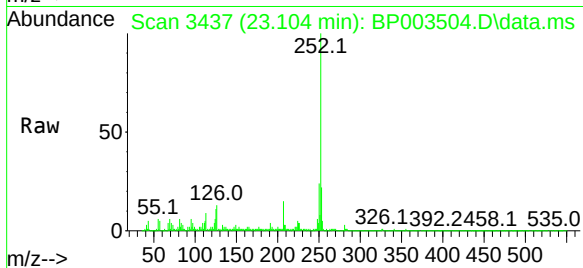




#90
Benzo(a)pyrene
Concen: 9.53 ng
RT: 23.104 min Scan# 3437
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Instrument :
BNA_P
ClientSampled :
RBR-29

Tgt Ion:252 Resp: 313508
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 11.0 8.2 12.4



#92
Benzo(g,h,i)perylene
Concen: 6.98 ng
RT: 26.068 min Scan# 3941
Delta R.T. 0.000 min
Lab File: BP003504.D
Acq: 05 Oct 2020 23:01

Tgt Ion:276 Resp: 240685
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.6
138 19.7 16.6 24.8

